

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056940.D
 Acq On : 26 Jul 2019 10:00
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 9:13:09 AM

Quant Time: Jul 27 00:41:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 23:57:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	610540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	886826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	786815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	319071	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	128846	20.52	ug/l	0.00
Spiked Amount						
			Recovery	=	41.04%	
35) Dibromofluoromethane	7.57	113	116615	20.74	ug/l	0.00
Spiked Amount						
			Recovery	=	41.48%	
50) Toluene-d8	10.08	98	450759	21.10	ug/l	0.00
Spiked Amount						
			Recovery	=	42.20%	
62) 4-Bromofluorobenzene	12.39	95	142457	20.44	ug/l	0.00
Spiked Amount						
			Recovery	=	40.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	130667	20.286	ug/l	100
3) Chloromethane	2.05	50	143081	18.645	ug/l	99
4) Vinyl Chloride	2.18	62	133660	18.378	ug/l	98
5) Bromomethane	2.55	94	83355	18.973	ug/l	99
6) Chloroethane	2.69	64	73688	18.284	ug/l	99
7) Trichlorofluoromethane	3.00	101	174111	18.356	ug/l	96
8) Diethyl Ether	3.40	74	63308	17.825	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	110307	18.821	ug/l	98
10) Methyl Iodide	3.94	142	148655	17.546	ug/l	99
11) Tert butyl alcohol	4.76	59	73580	80.981	ug/l	99
12) 1,1-Dichloroethene	3.72	96	101755	18.066	ug/l	97
13) Acrolein	3.60	56	38662	77.249	ug/l	96
14) Allyl chloride	4.30	41	165264	18.054	ug/l	100
15) Acrylonitrile	4.97	53	234558	90.333	ug/l	98
16) Acetone	3.80	43	201806	93.219	ug/l	97
17) Carbon Disulfide	4.04	76	263054	17.413	ug/l	99
18) Methyl Acetate	4.31	43	128894	17.133	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	296985	17.851	ug/l	99
20) Methylene Chloride	4.54	84	117743	17.544	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	106940	17.752	ug/l	100
22) Diisopropyl ether	5.93	45	346041	18.624	ug/l	99
23) Vinyl Acetate	5.88	43	1167893	90.740	ug/l	99
24) 1,1-Dichloroethane	5.83	63	199254	18.223	ug/l	99
25) 2-Butanone	6.82	43	296808	89.344	ug/l	99
26) 2,2-Dichloropropane	6.81	77	145694	18.119	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	126261	18.362	ug/l	99
28) Bromochloromethane	7.18	49	107025	21.330	ug/l	97
29) Tetrahydrofuran	7.19	42	190474	87.651	ug/l	99
30) Chloroform	7.36	83	197750	17.567	ug/l	100
31) Cyclohexane	7.64	56	189264	17.795	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	162011	18.005	ug/l	99
36) 1,1-Dichloropropene	7.78	75	148881	18.602	ug/l	99
37) Ethyl Acetate	6.91	43	116220	17.687	ug/l	99
38) Carbon Tetrachloride	7.76	117	137782	18.080	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	192980	19.723	ug/l	98
40) Benzene	8.03	78	459134	18.469	ug/l	98
41) Methacrylonitrile	7.16	41	51822m	17.730	ug/l	
42) 1,2-Dichloroethane	8.11	62	142011	18.523	ug/l	99
43) Isopropyl Acetate	8.15	43	193455	17.998	ug/l #	92
44) Trichloroethene	8.82	130	128463	19.012	ug/l	97
45) 1,2-Dichloropropane	9.11	63	122400	18.364	ug/l	99
46) Dibromomethane	9.20	93	75150	18.669	ug/l	99
47) Bromodichloromethane	9.39	83	143146	18.194	ug/l	100
48) Methyl methacrylate	9.19	41	92351	17.991	ug/l	96
49) 1,4-Dioxane	9.19	88	41543	391.120	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	587155	91.878	ug/l	99
52) Toluene	10.15	92	288277	19.384	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	145583	18.301	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	177582	19.028	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	111404	18.609	ug/l	98
56) Ethyl methacrylate	10.42	69	148270	18.351	ug/l	99
57) 1,3-Dichloropropane	10.70	76	185161	18.929	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	299464	93.347	ug/l	99
59) 2-Hexanone	10.74	43	404160	92.051	ug/l	99
60) Dibromochloromethane	10.89	129	113433	18.568	ug/l	100
61) 1,2-Dibromoethane	11.00	107	111183	18.771	ug/l	100
64) Tetrachloroethene	10.62	164	132725	18.885	ug/l	99
65) Chlorobenzene	11.43	112	304026	18.729	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	113435	18.718	ug/l	99
67) Ethyl Benzene	11.50	91	530708	18.995	ug/l	100
68) m/p-Xylenes	11.61	106	399659	38.407	ug/l	99
69) o-Xylene	11.94	106	195178	19.169	ug/l	99
70) Styrene	11.96	104	312529	19.376	ug/l	100
71) Bromoform	12.12	173	75935	17.854	ug/l #	99
73) Isopropylbenzene	12.24	105	516096	18.047	ug/l	99
74) N-amyl acetate	12.06	43	142709	16.899	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	142240	17.069	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	120108m	19.225	ug/l	
77) Bromobenzene	12.52	156	135281	18.472	ug/l	97
78) n-propylbenzene	12.58	91	556613	18.421	ug/l	99
79) 2-Chlorotoluene	12.67	91	339093	18.026	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	432349	18.307	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	34661	17.108	ug/l	93
82) 4-Chlorotoluene	12.77	91	324738	18.811	ug/l	100
83) tert-Butylbenzene	12.99	119	373647	17.932	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	423398	18.955	ug/l	99
85) sec-Butylbenzene	13.17	105	489553	18.606	ug/l	100
86) p-Isopropyltoluene	13.28	119	436475	18.748	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	210164	19.208	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	196969	18.744	ug/l	98
89) n-Butylbenzene	13.61	91	325813	18.107	ug/l	100
90) Hexachloroethane	13.87	117	72362	17.449	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	209310	18.871	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20377	17.900	ug/l	96

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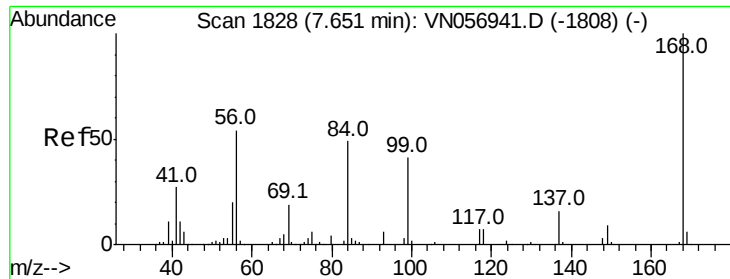
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	89261	19.284	ug/l	99
94) Hexachlorobutadiene	15.00	225	81184	18.042	ug/l	97
95) Naphthalene	15.12	128	184131	15.969	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	94981	19.117	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 610540

Ion Ratio Lower Upper

168 100

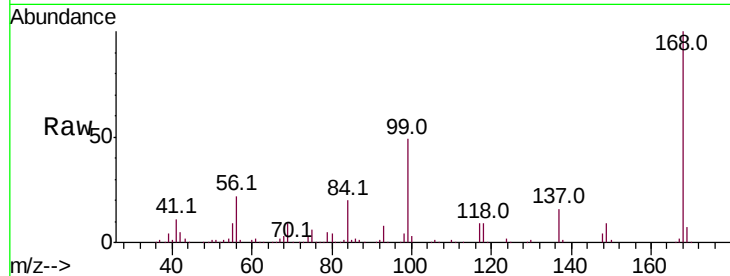
99 48.9 39.0 58.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

300000

250000

200000

150000

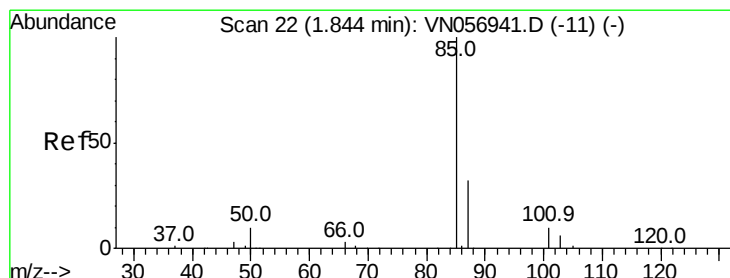
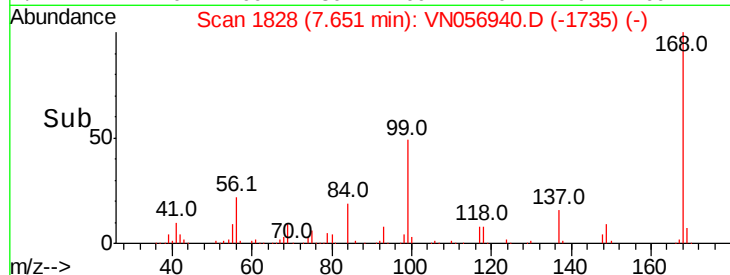
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 20.286 ug/l

RT: 1.84 min Scan# 22

Delta R.T. 0.00 min

Lab File: VN056940.D

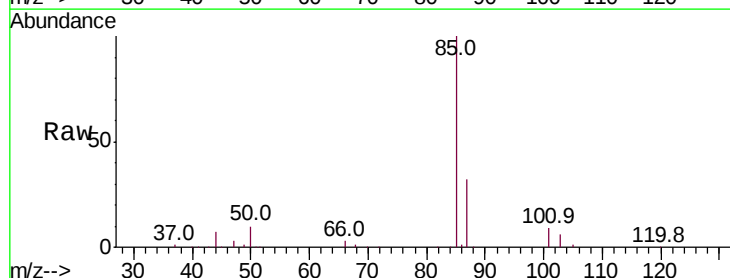
Acq: 26 Jul 2019 10:00

Tgt Ion: 85 Resp: 130667

Ion Ratio Lower Upper

85 100

87 31.5 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

100000

80000

60000

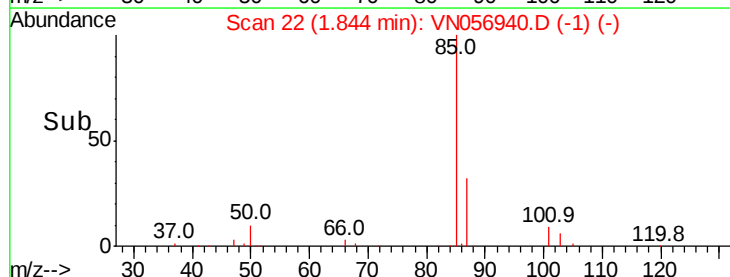
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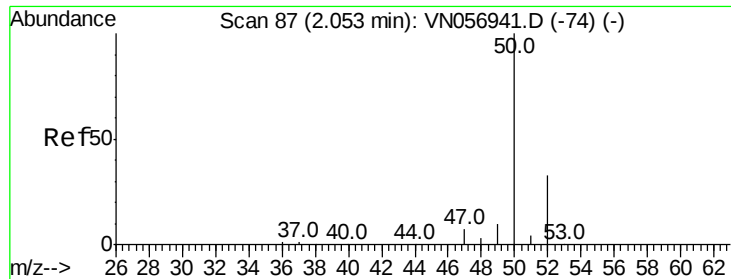
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.645 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 50 Resp: 143081

Ion Ratio Lower Upper

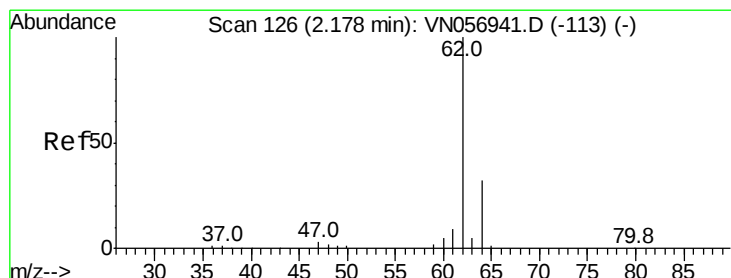
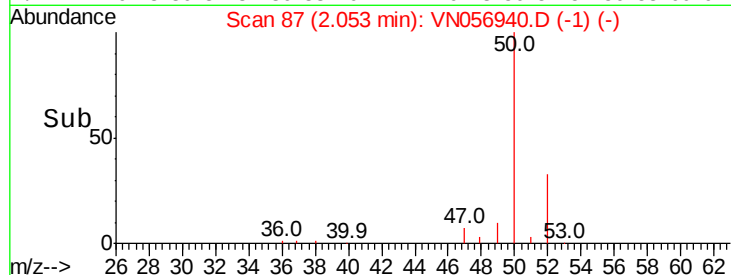
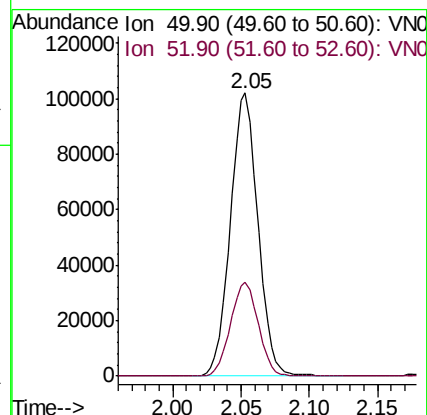
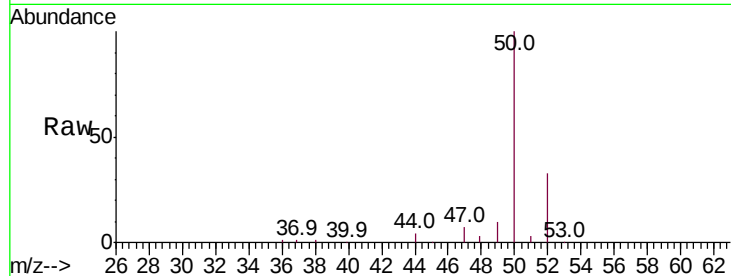
50 100

52 33.0 26.2 39.2

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#4

Vinyl Chloride

Concen: 18.378 ug/l

RT: 2.18 min Scan# 126

Delta R.T. 0.00 min

Lab File: VN056940.D

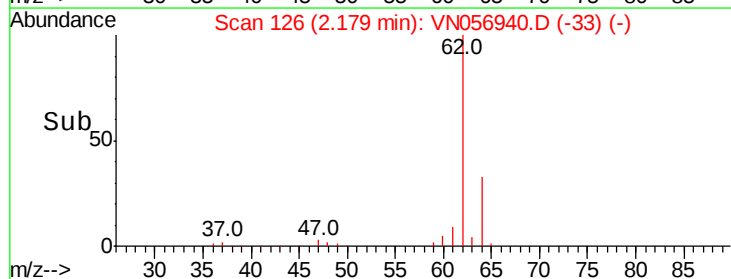
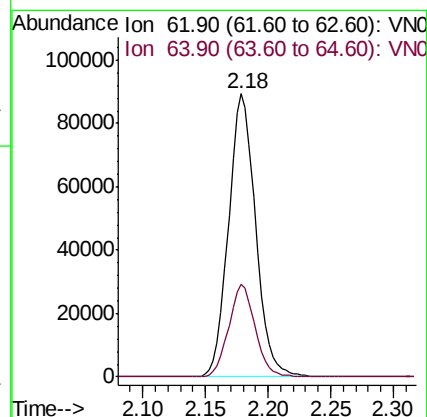
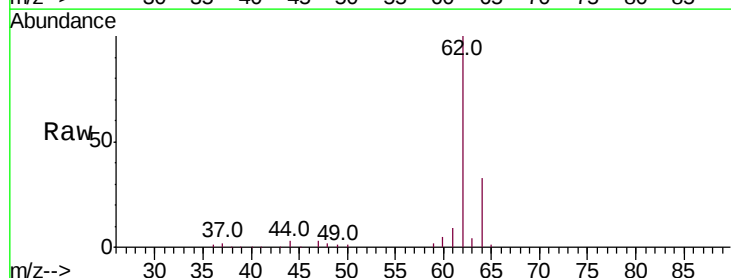
Acq: 26 Jul 2019 10:00

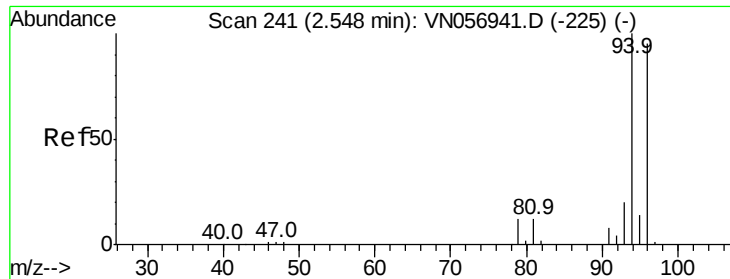
Tgt Ion: 62 Resp: 133660

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.0





#5

Bromomethane

Concen: 18.973 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 83355

Ion Ratio Lower Upper

94 100

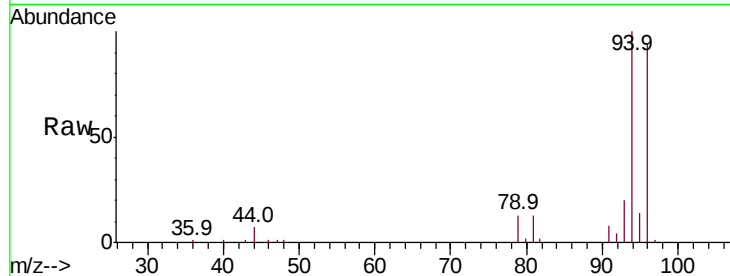
96 94.0 76.2 114.2

Manual Integrations

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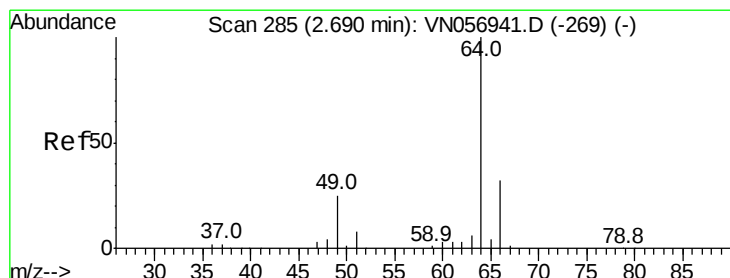
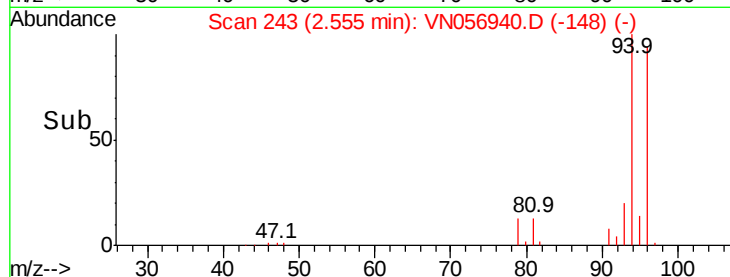
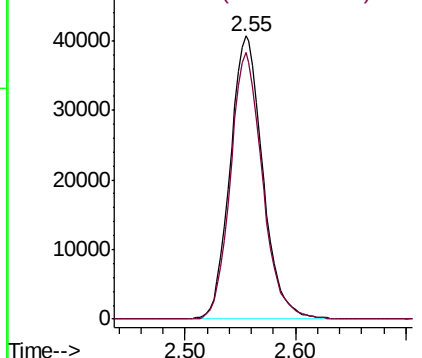
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.284 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN056940.D

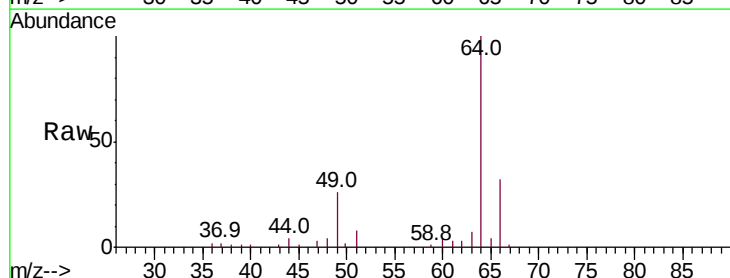
Acq: 26 Jul 2019 10:00

Tgt Ion: 64 Resp: 73688

Ion Ratio Lower Upper

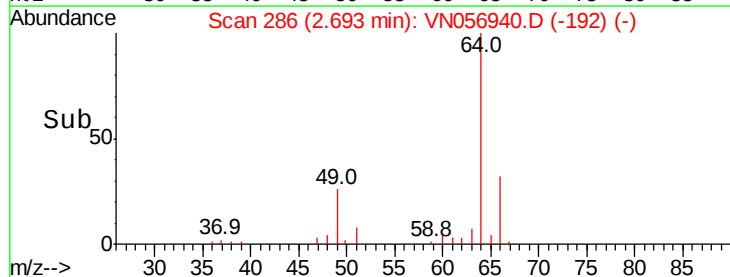
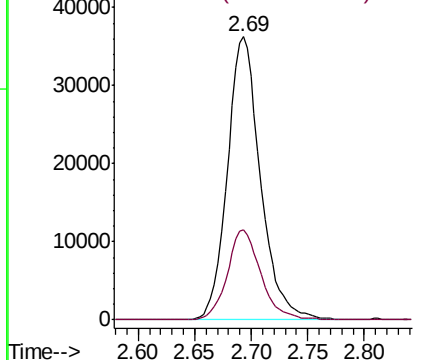
64 100

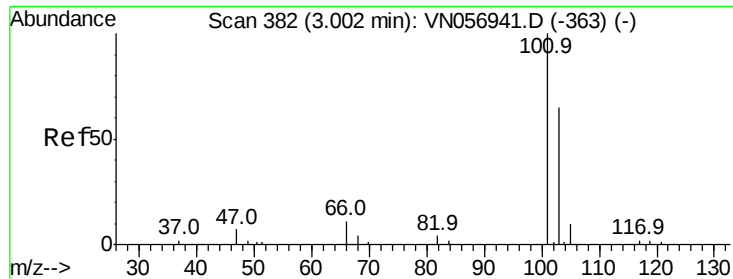
66 32.0 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

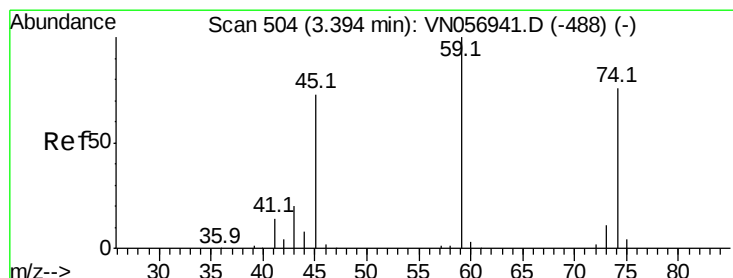
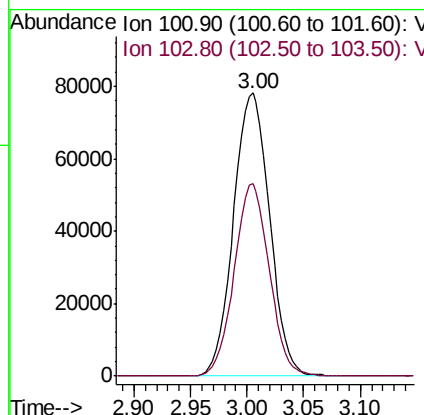
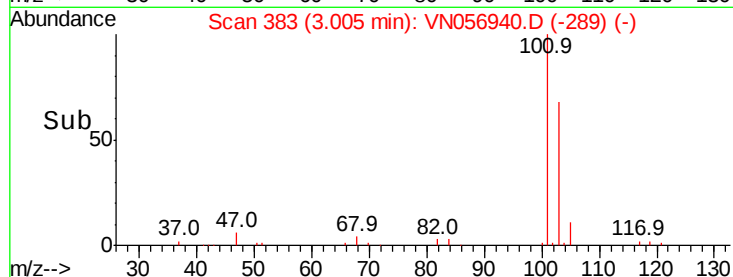
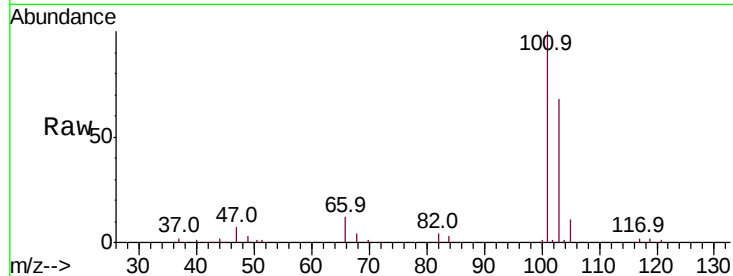
Trichlorofluoromethane
Concen: 18.356 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:101 Resp: 174111
Ion Ratio Lower Upper
101 100
103 68.0 52.1 78.1

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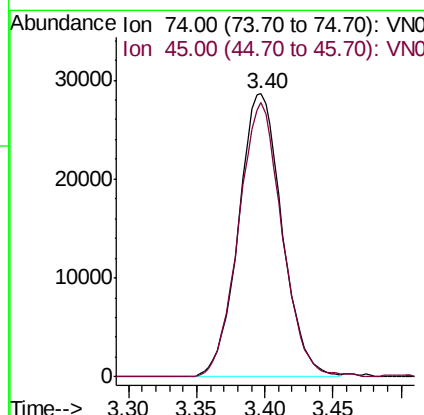
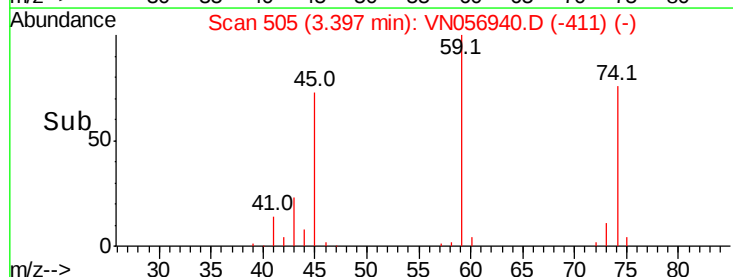
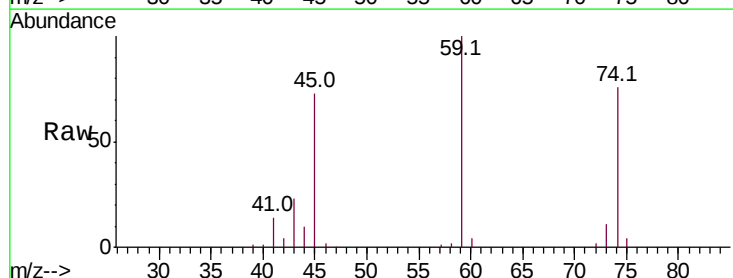
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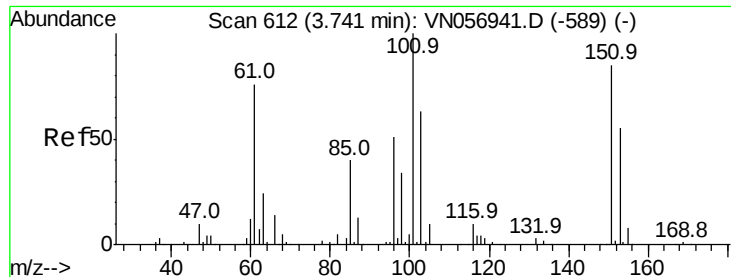


#8

Diethyl Ether
Concen: 17.825 ug/l
RT: 3.40 min Scan# 505
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Tgt Ion: 74 Resp: 63308
Ion Ratio Lower Upper
74 100
45 96.8 48.1 144.3





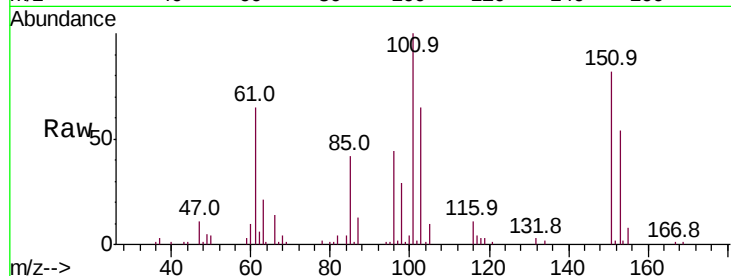
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.821 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

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VSTDIC020

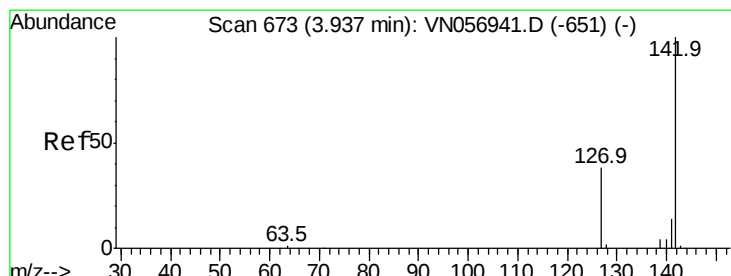
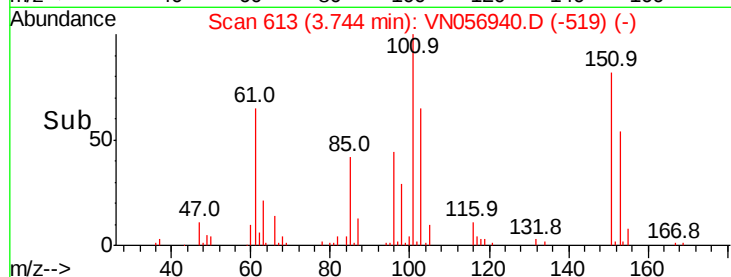
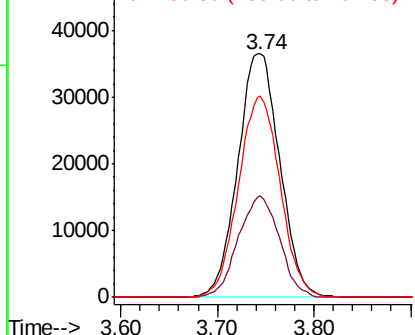
Tot Ion	Ratio	Lower	Upper
101	100		
85	40.6	32.3	48.5
151	82.0	68.0	102.0

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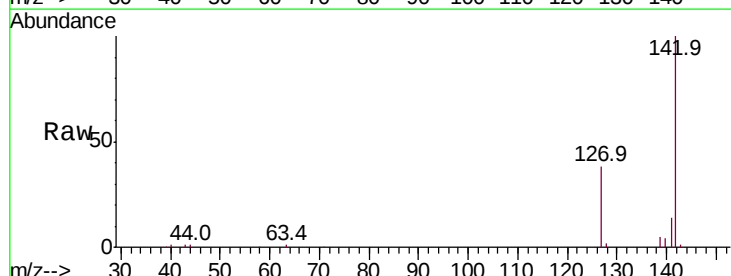


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V

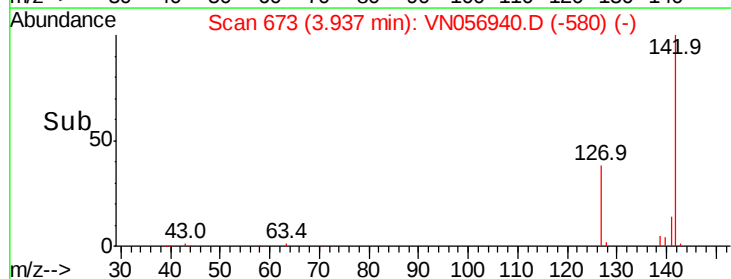
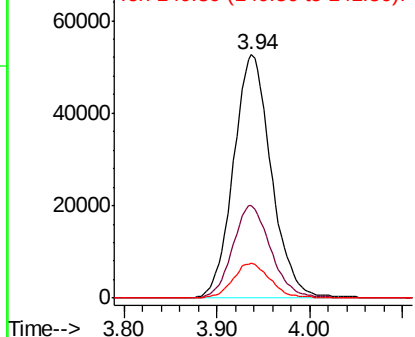


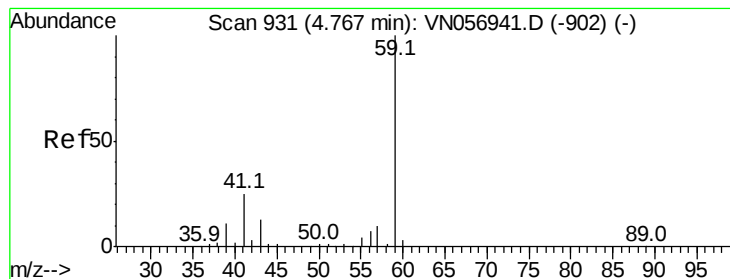
#10
Methyl Iodide
Concen: 17.546 ug/l
RT: 3.94 min Scan# 673
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.4	30.4	45.6
141	14.1	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

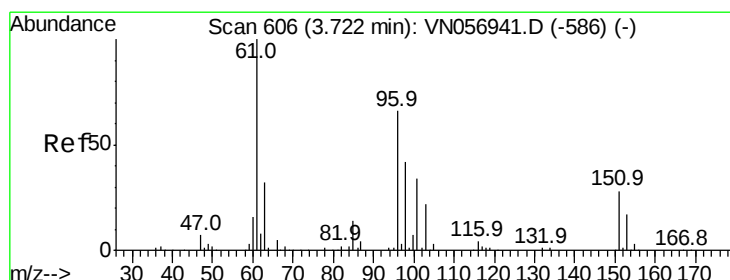
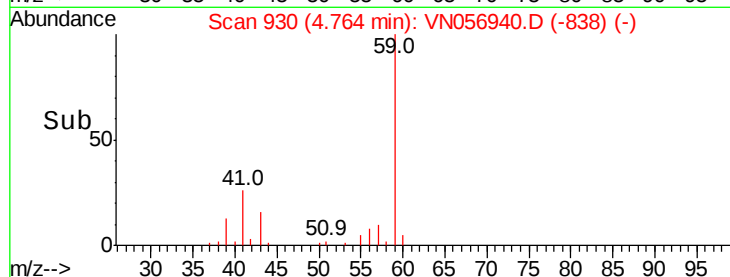
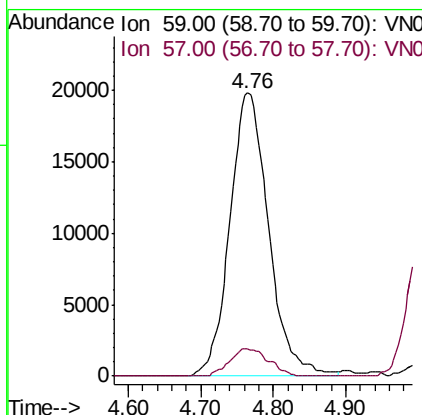
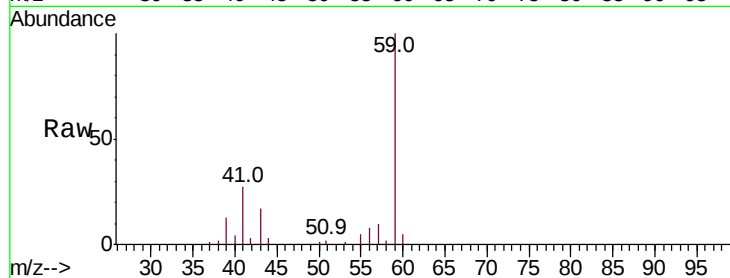
Tert butyl alcohol
 Concen: 80.981 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: VN056940.D
 Acq: 26 Jul 2019 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.5	11.3

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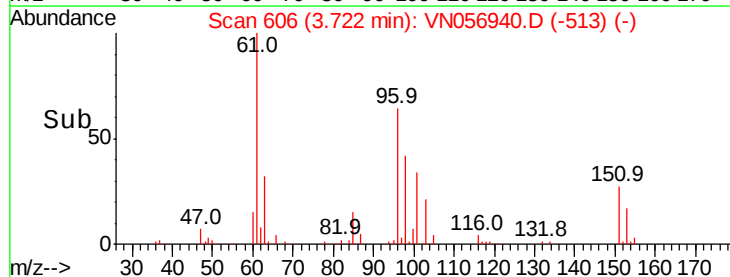
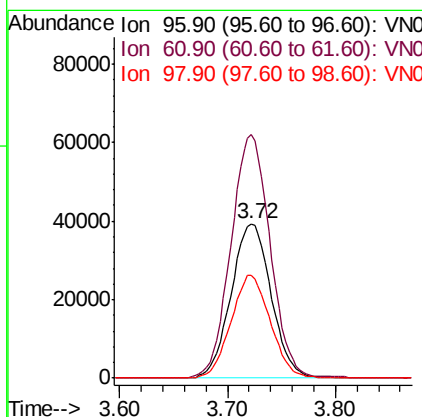
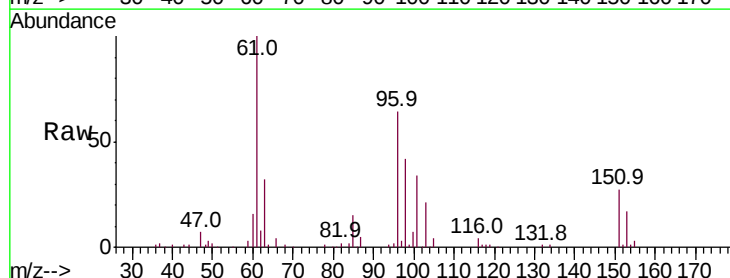
MMDadoda
 8/2/2019 9:13:09 AM

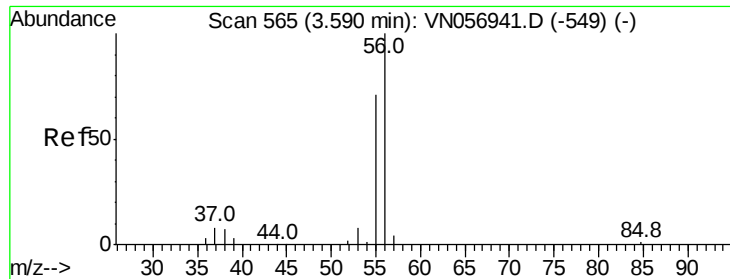


#12

1,1-Dichloroethene
 Concen: 18.066 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN056940.D
 Acq: 26 Jul 2019 10:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.9	121.8	182.8
98	66.6	51.7	77.5





#13

Acrolein

Concen: 77.249 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.01 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 38662

Ion Ratio Lower Upper

56 100

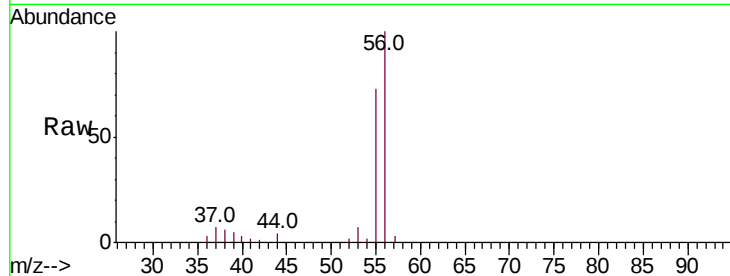
55 73.4 55.8 83.6

Manual Integrations

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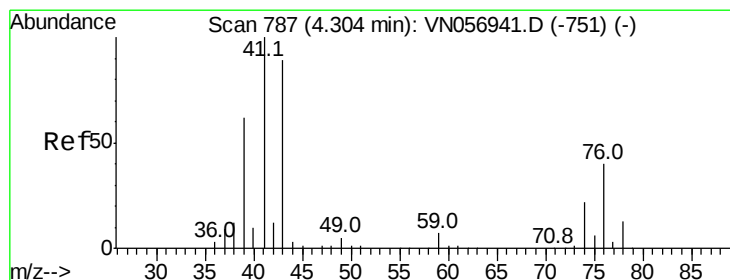
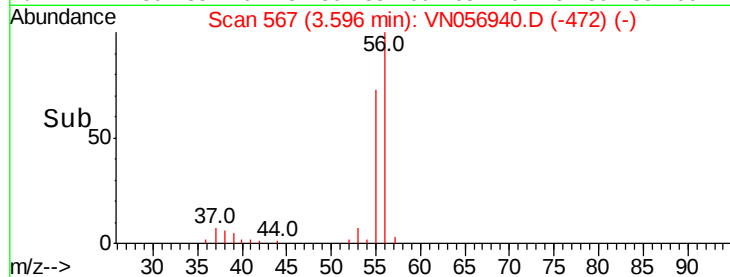
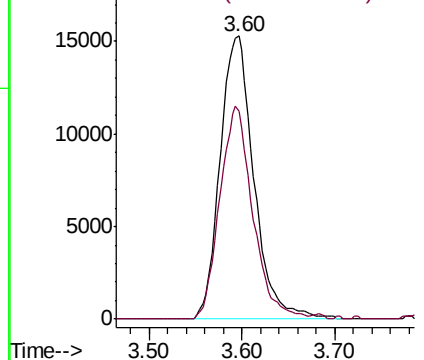
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 18.054 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

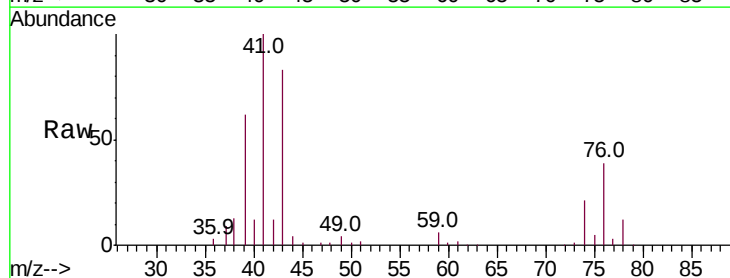
Tgt Ion: 41 Resp: 165264

Ion Ratio Lower Upper

41 100

39 58.1 46.4 69.6

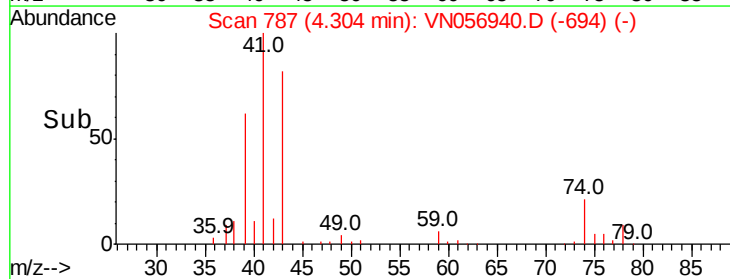
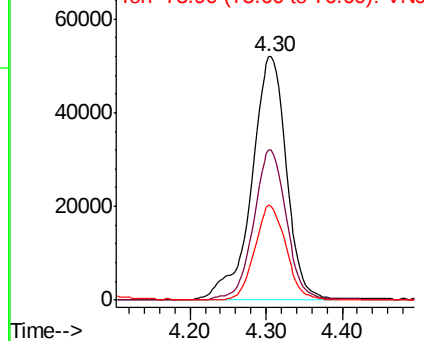
76 34.9 28.4 42.6

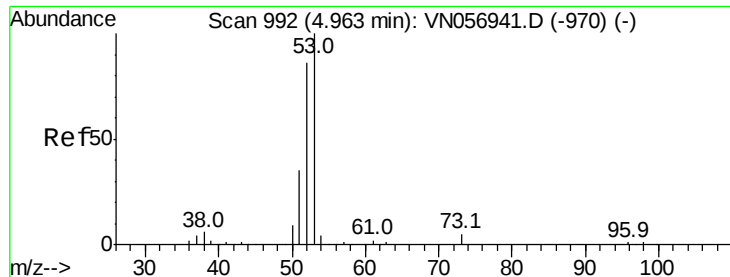


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 90.333 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Instrument :

MSVOA_N

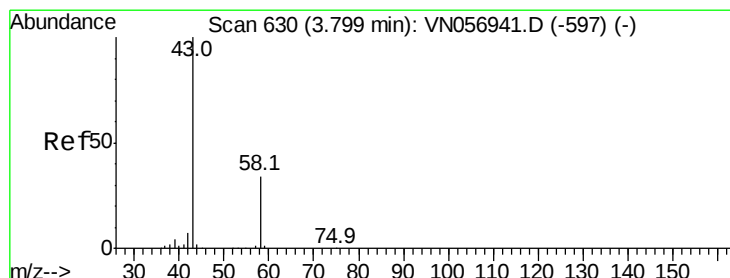
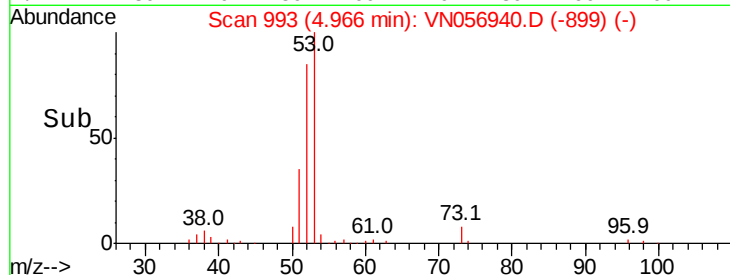
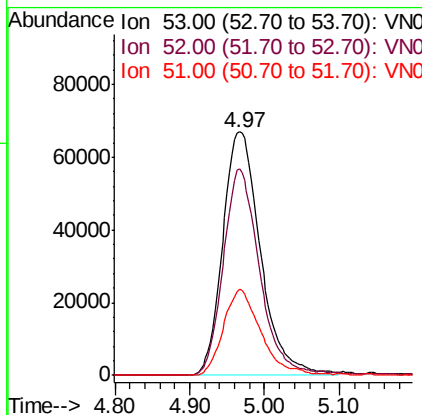
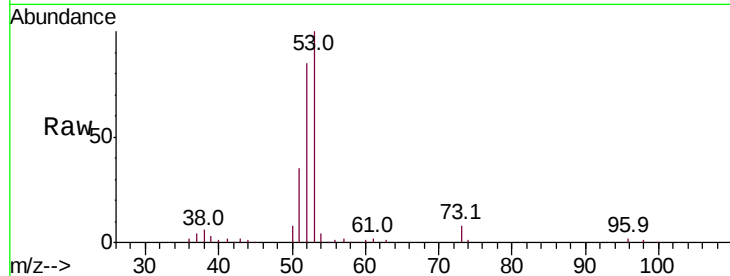
ClientSampled :

VSTDIC020

Tot Ion:	53	Resp:	234558
Ion Ratio	Lower	Upper	
53	100		
52	81.3	66.5	99.7
51	35.1	28.4	42.6

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#16

Acetone

Concen: 93.219 ug/l

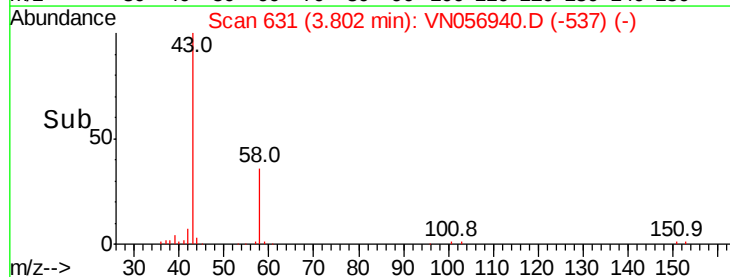
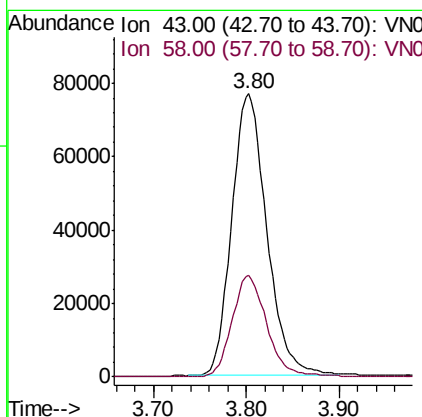
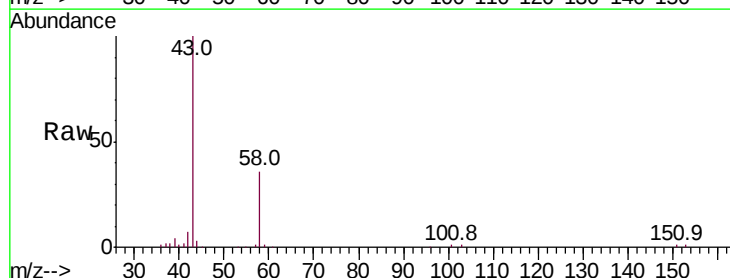
RT: 3.80 min Scan# 631

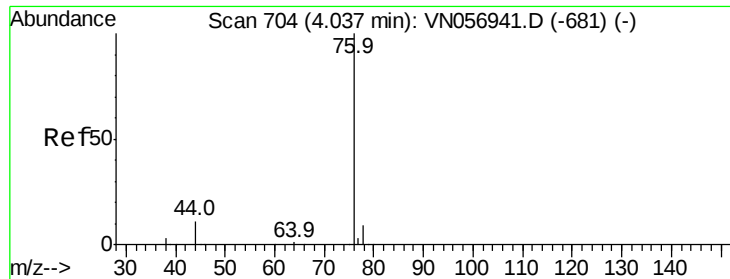
Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Tgt Ion:	43	Resp:	201806
Ion Ratio	Lower	Upper	
43	100		
58	35.9	27.2	40.8





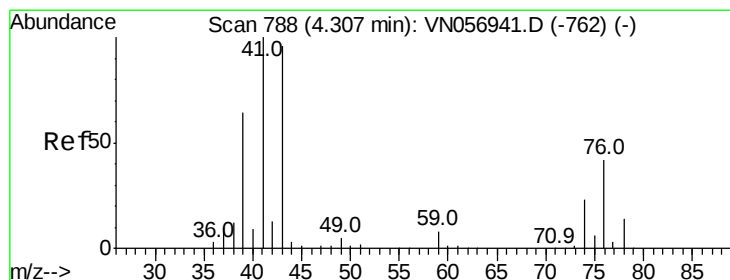
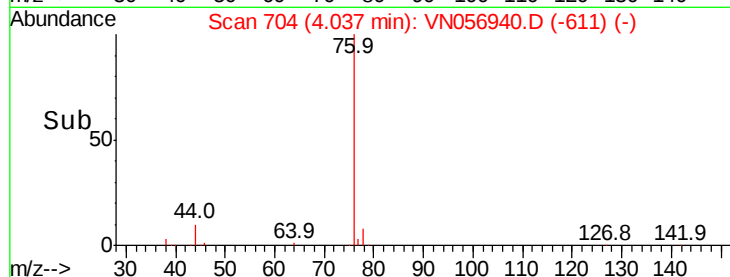
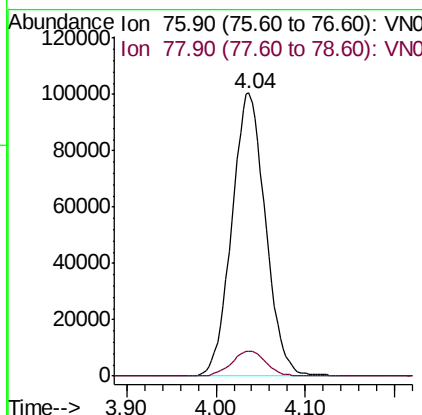
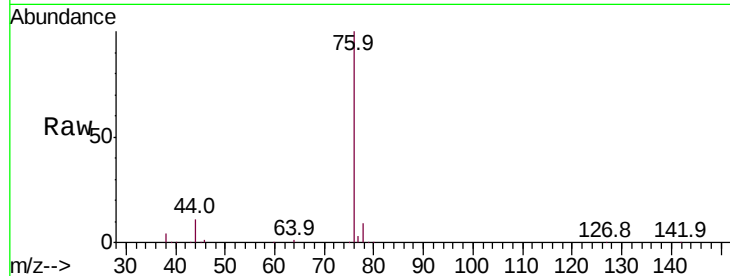
#17
Carbon Disulfide
Concen: 17.413 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.2	10.8

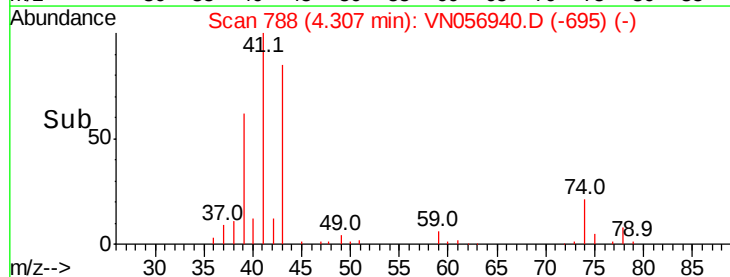
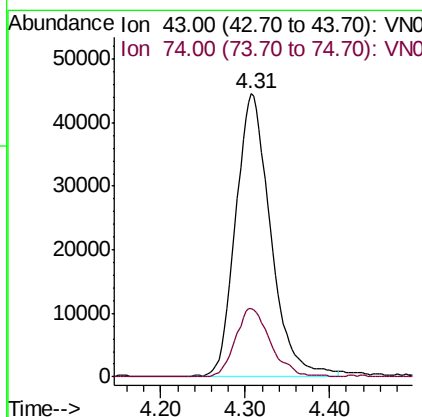
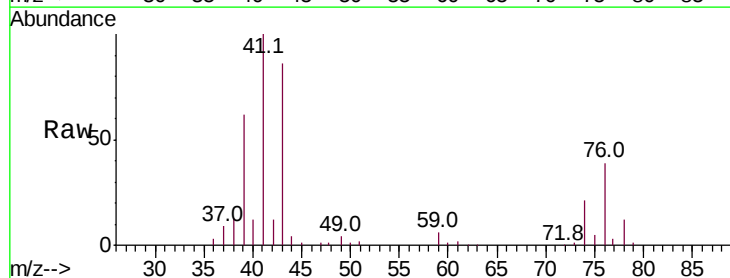
Manual Integrations
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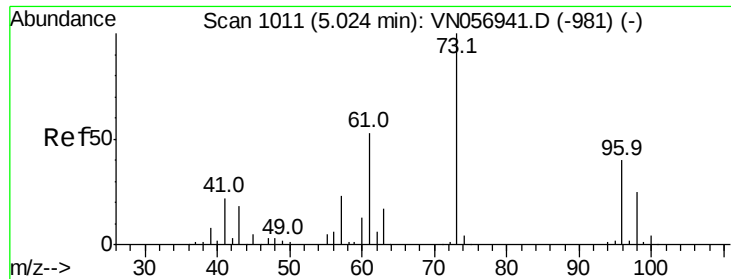
MMDadoda
8/2/2019 9:13:09 AM



#18
Methyl Acetate
Concen: 17.133 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.7	29.5





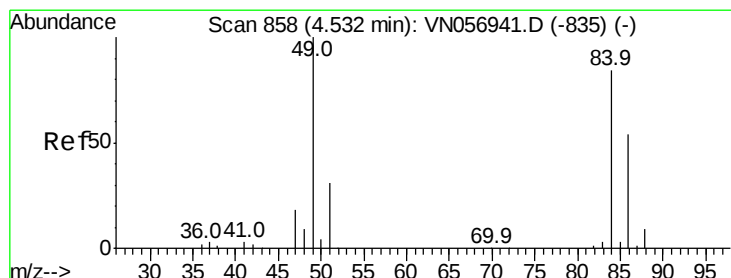
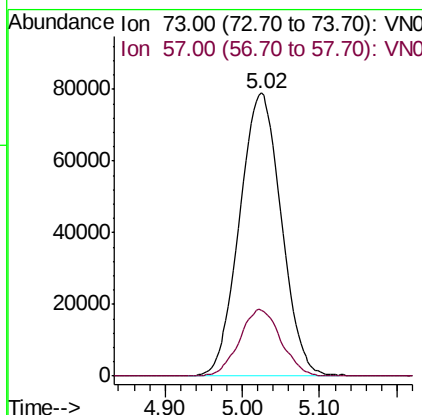
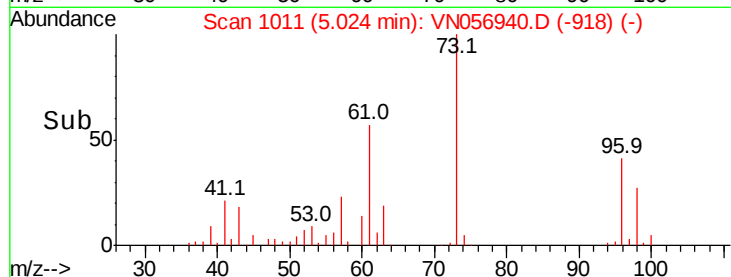
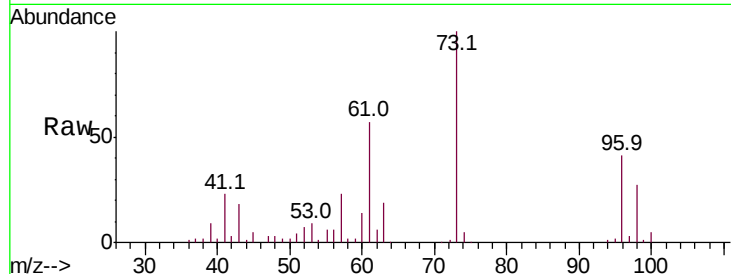
#19
Methvl tert-butvl Ether
Concen: 17.851 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 296985
Ion Ratio Lower Upper
73 100
57 23.2 18.3 27.5

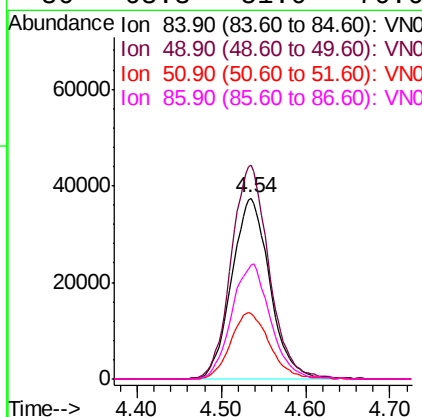
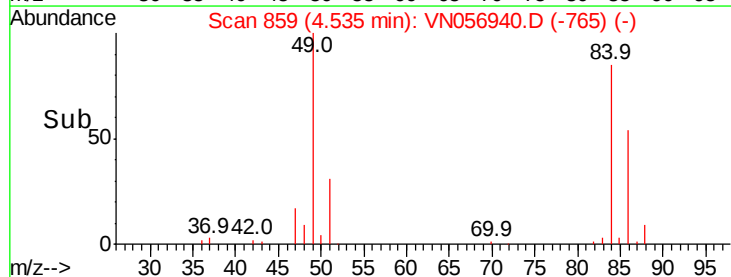
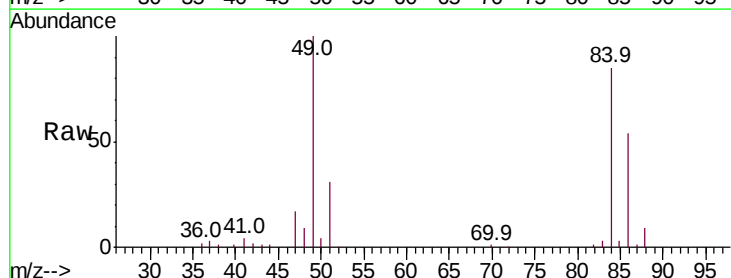
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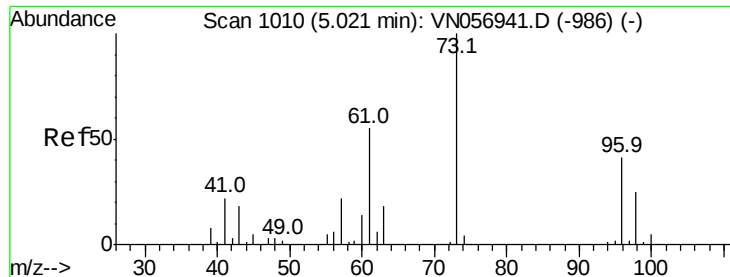
MMDadoda
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#20
Methylene Chloride
Concen: 17.544 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Tgt Ion: 84 Resp: 117743
Ion Ratio Lower Upper
84 100
49 118.3 95.2 142.8
51 36.4 29.7 44.5
86 63.3 51.0 76.6





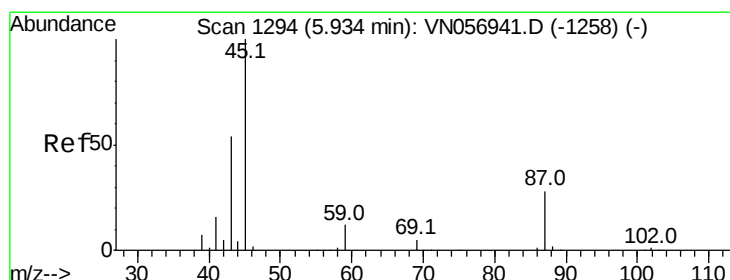
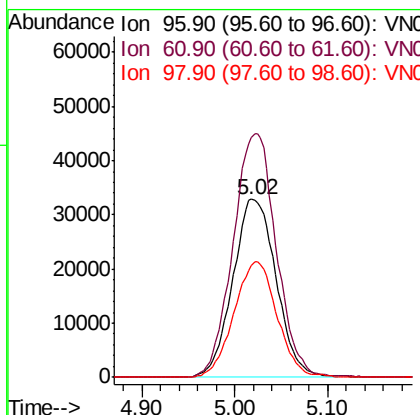
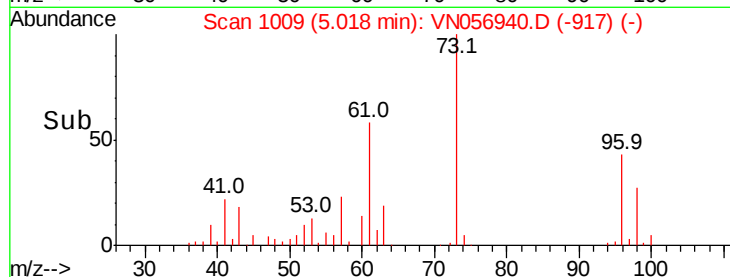
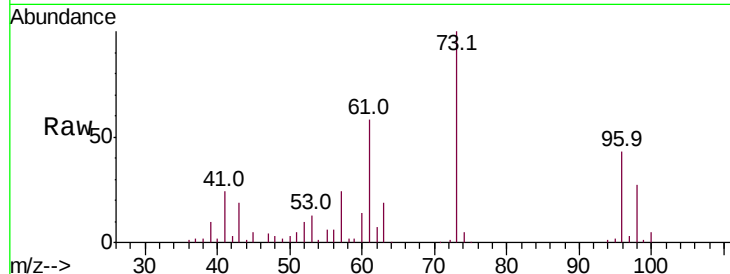
#21
trans-1,2-Dichloroethene
Concen: 17.752 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.3	107.5	161.3
98	62.6	49.9	74.9

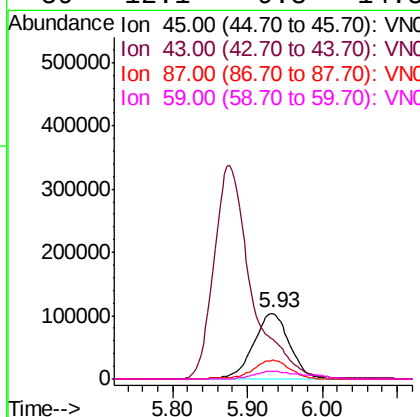
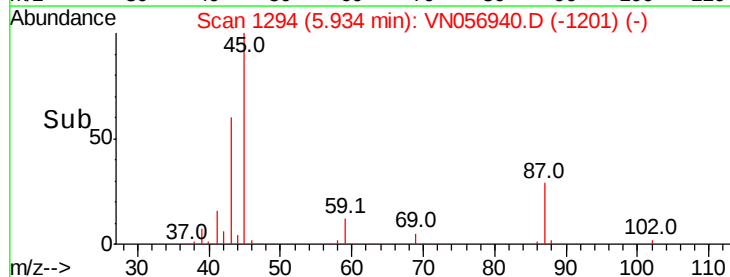
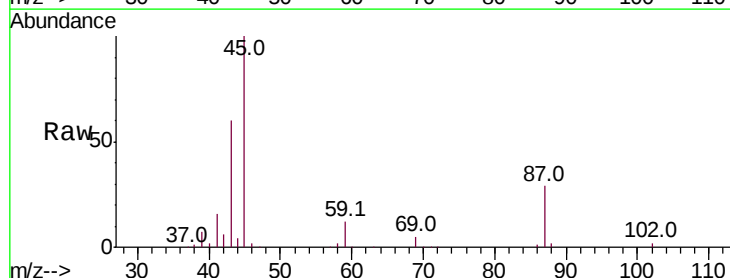
Manual Integrations
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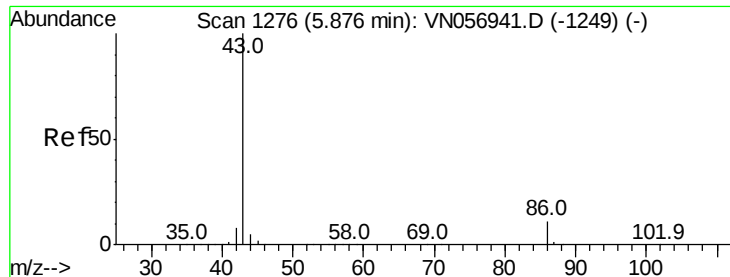
MMDadoda
8/2/2019 9:13:09 AM



#22
Diisopropyl ether
Concen: 18.624 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.7	44.7	67.1
87	28.8	23.0	34.6
59	12.1	9.8	14.8





#23

Vinyl Acetate

Concen: 90.740 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1167893

Ion Ratio Lower Upper

43 100

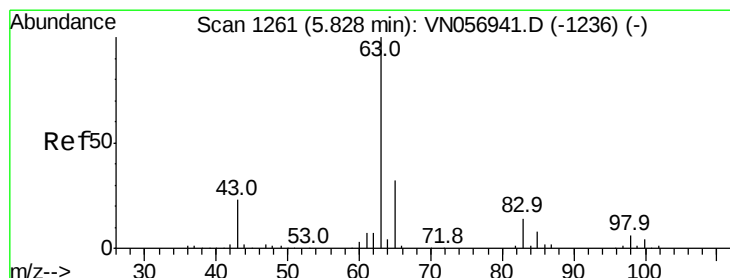
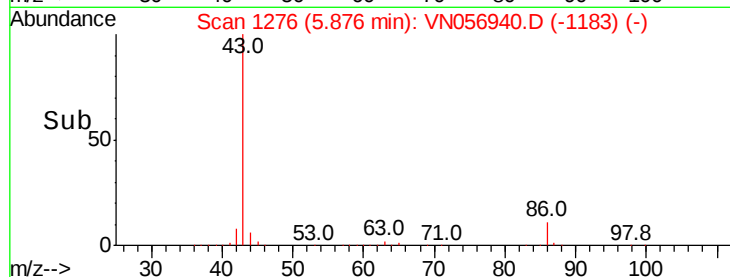
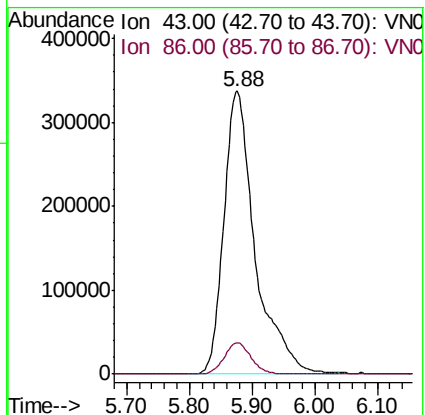
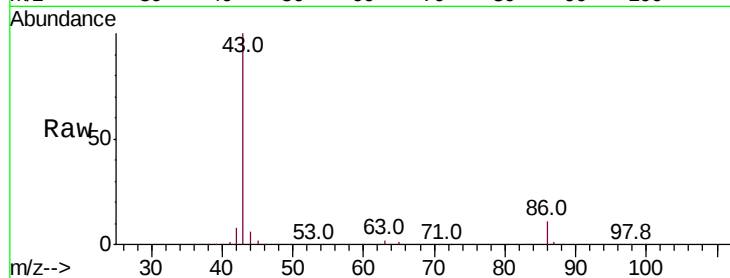
86 11.1 8.5 12.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.223 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

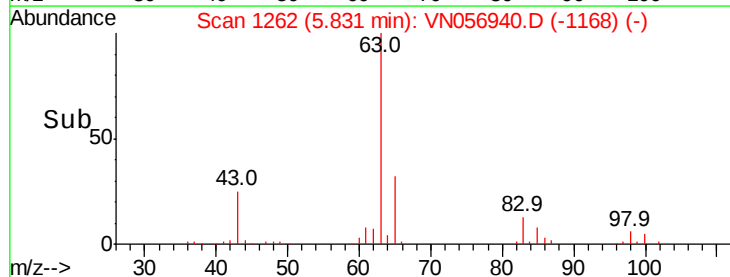
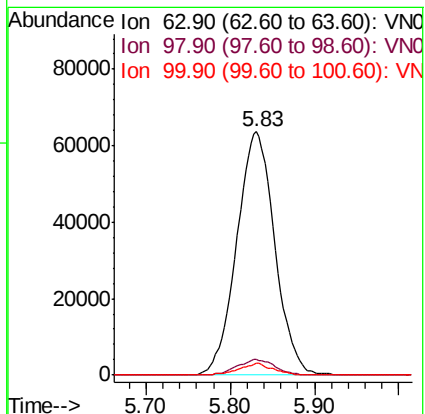
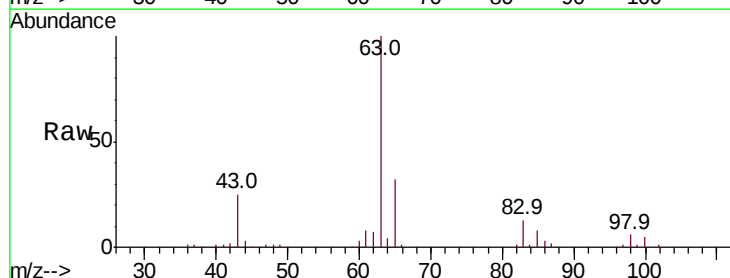
Tgt Ion: 63 Resp: 199254

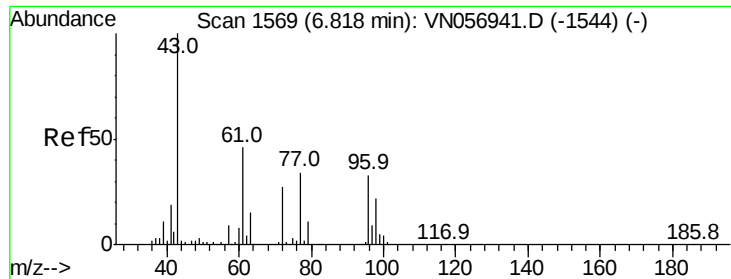
Ion Ratio Lower Upper

63 100

98 6.5 3.2 9.6

100 4.7 2.1 6.3





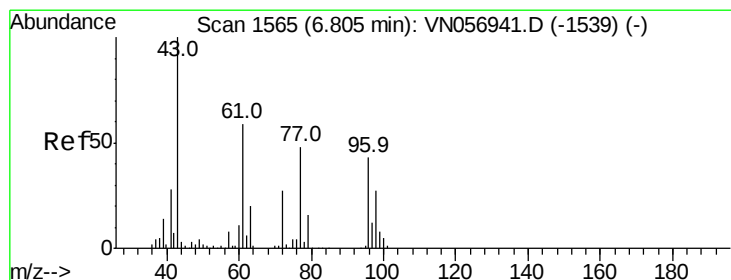
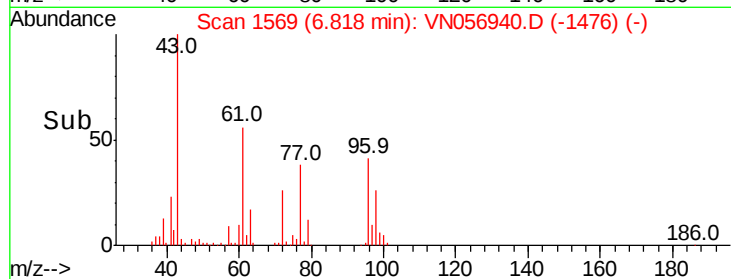
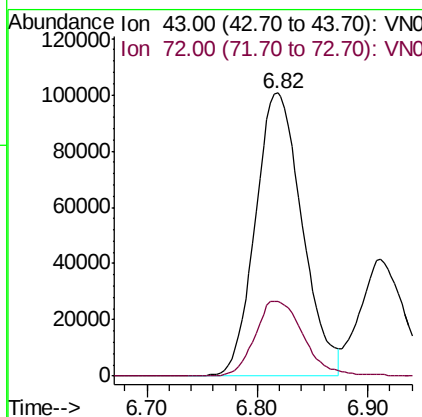
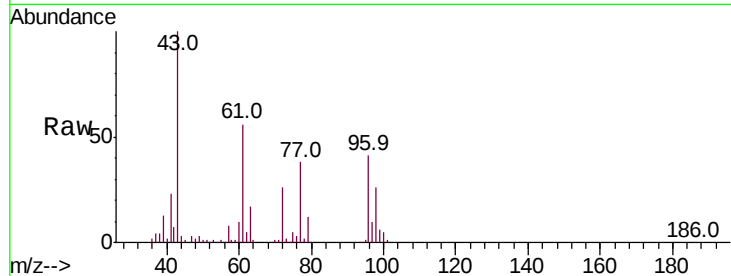
#25
2-Butanone
Concen: 89.344 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 296808
Ion Ratio Lower Upper
43 100
72 26.3 21.5 32.3

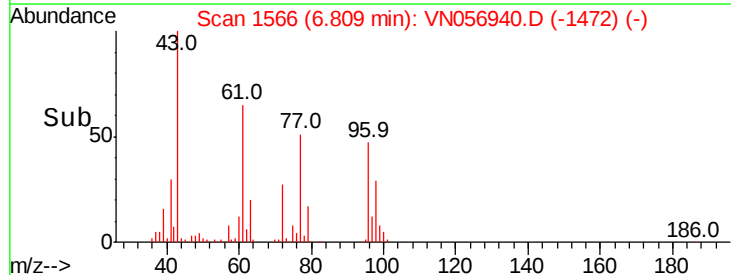
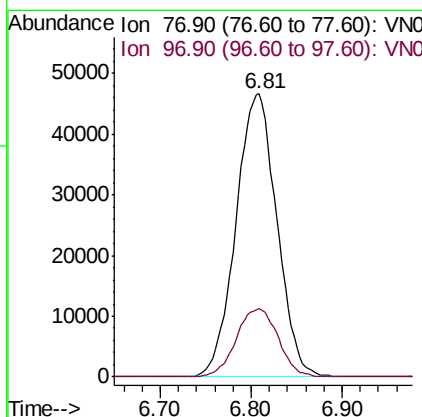
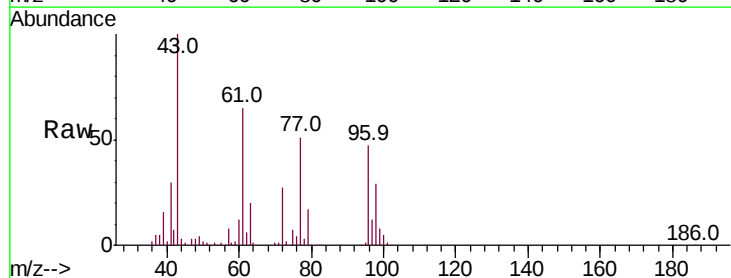
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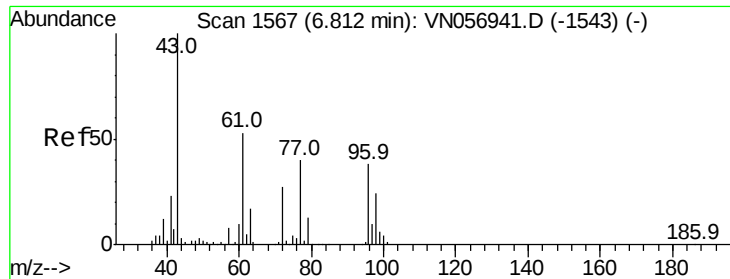
MMDadoda
8/2/2019 9:13:09 AM



#26
2,2-Dichloropropane
Concen: 18.119 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Tgt Ion: 77 Resp: 145694
Ion Ratio Lower Upper
77 100
97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 18.362 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN056940.D

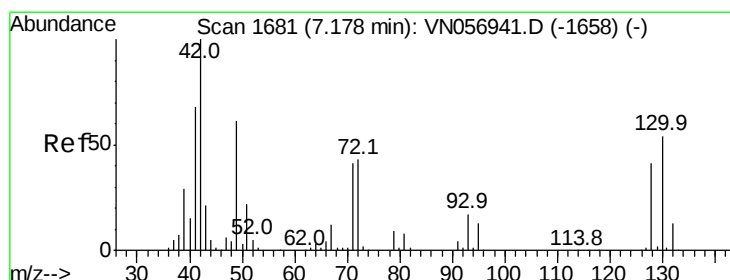
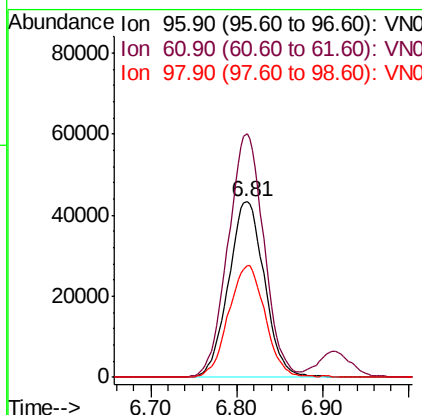
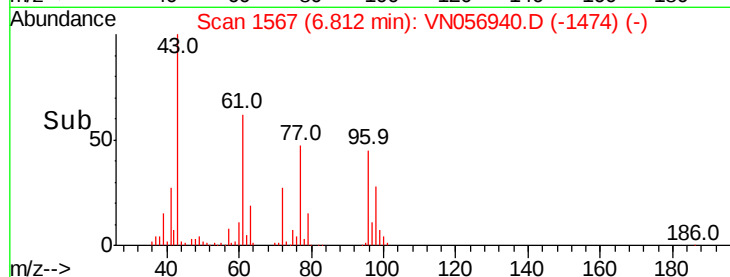
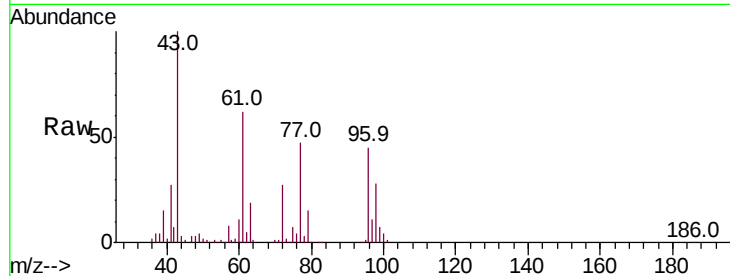
Acq: 26 Jul 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	126261		
61	137.6	0.0	277.2	
98	64.4	0.0	128.4	

Manual Integrations
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8/2/2019 9:13:09 AM



#28

Bromochloromethane

Concen: 21.330 ug/l

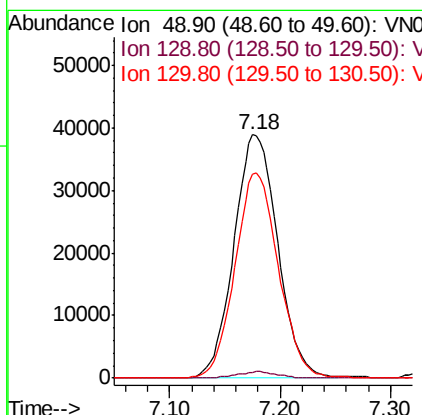
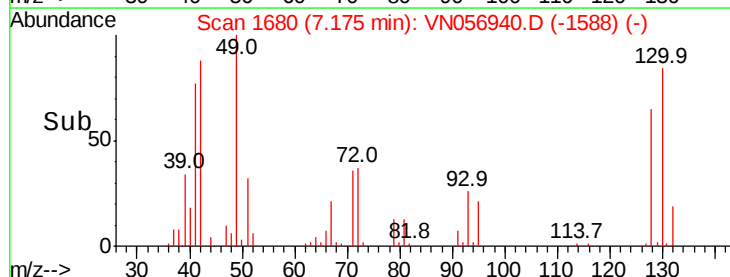
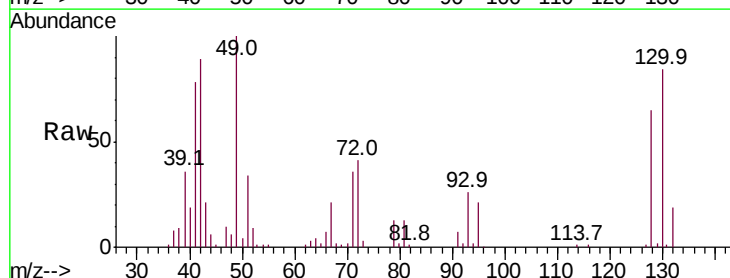
RT: 7.18 min Scan# 1680

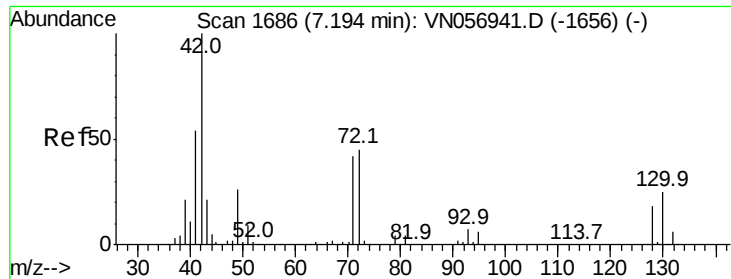
Delta R.T. -0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	107025		
129	2.2	0.0	4.6	
130	83.8	69.0	103.4	





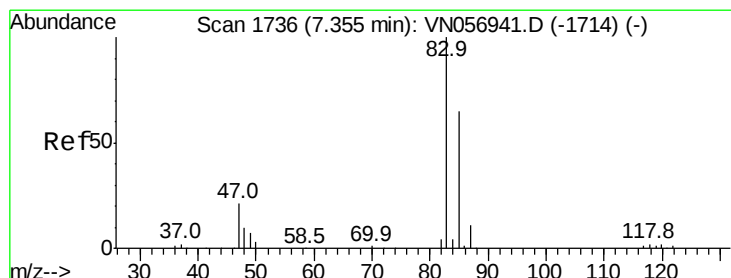
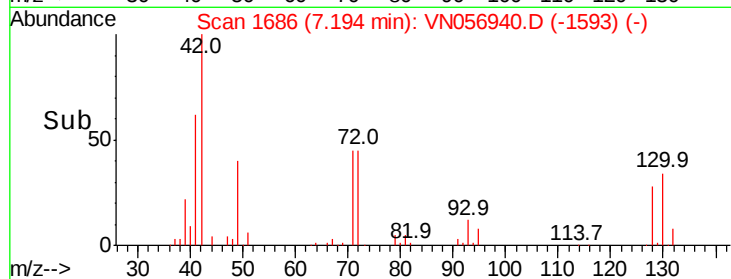
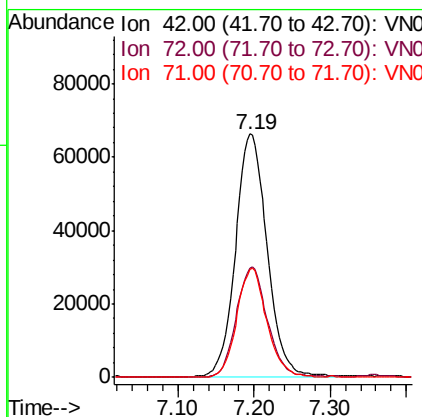
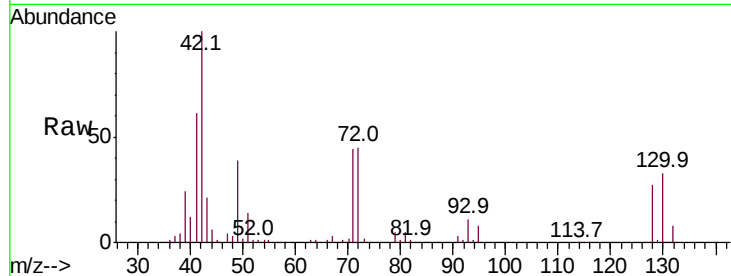
#29
Tetrahydrofuran
Concen: 87.651 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.6	53.4
71	42.9	33.5	50.3

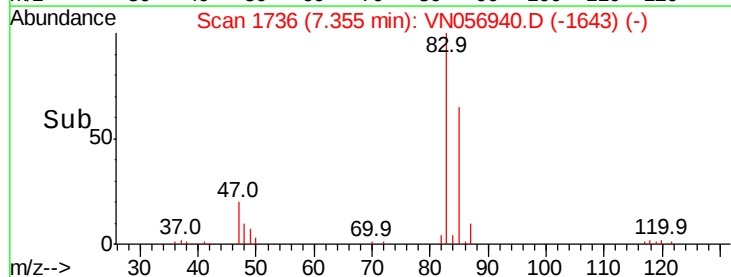
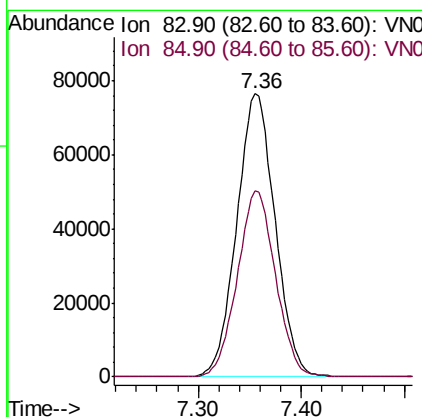
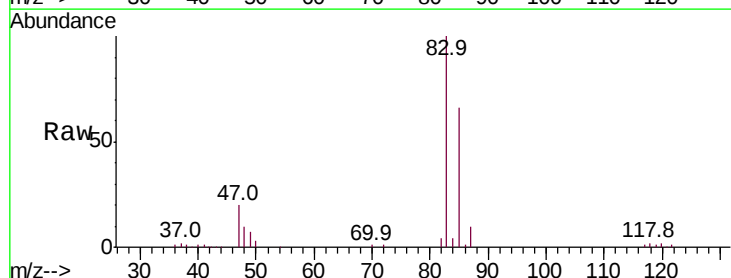
Manual Integrations
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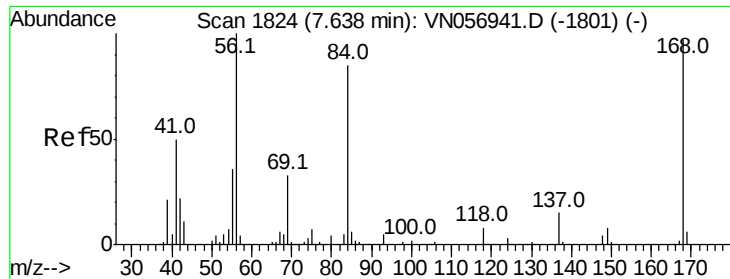
MMDadoda
8/2/2019 9:13:09 AM



#30
Chloroform
Concen: 17.567 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.2	78.2





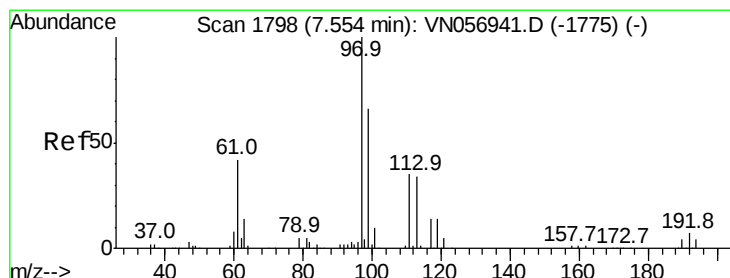
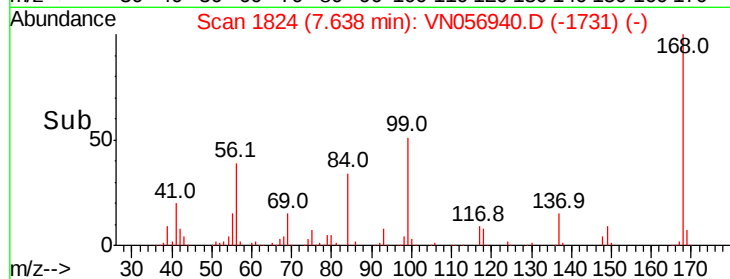
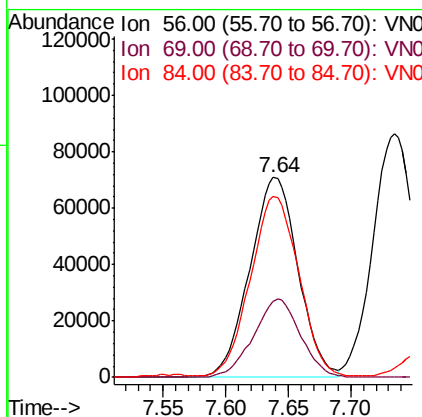
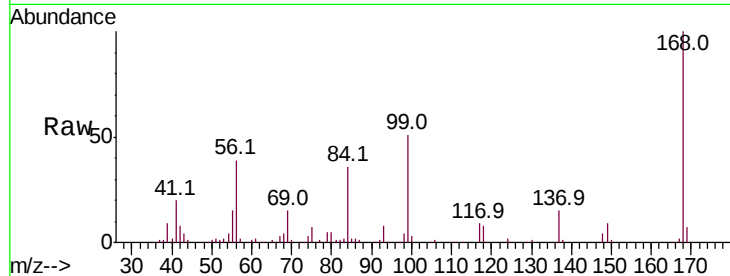
#31
Cyclohexane
Concen: 17.795 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.0	26.2	39.2
84	90.0	68.2	102.2

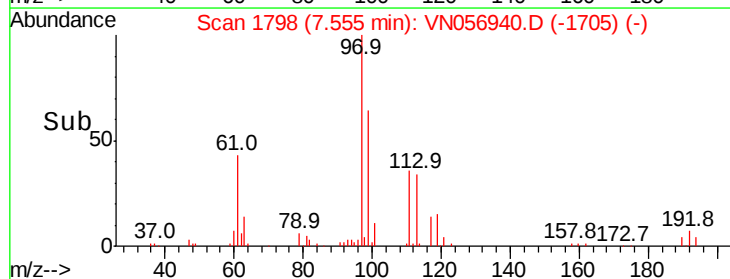
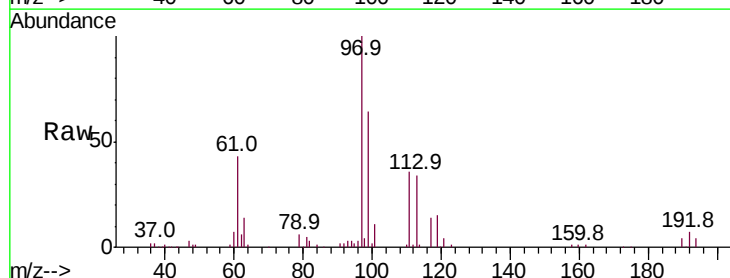
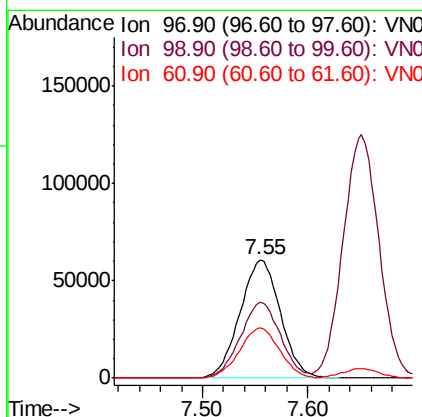
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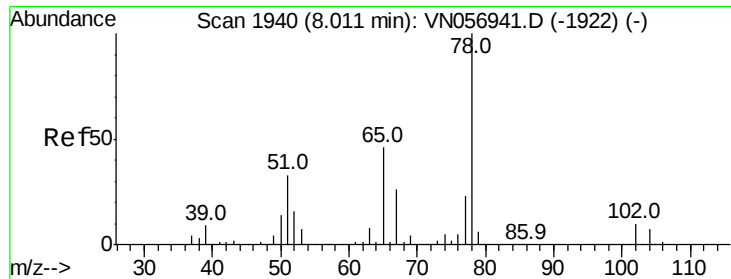
MMDadoda
8/2/2019 9:13:09 AM



#32
1,1,1-Trichloroethane
Concen: 18.005 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.3	78.5
61	42.3	33.9	50.9





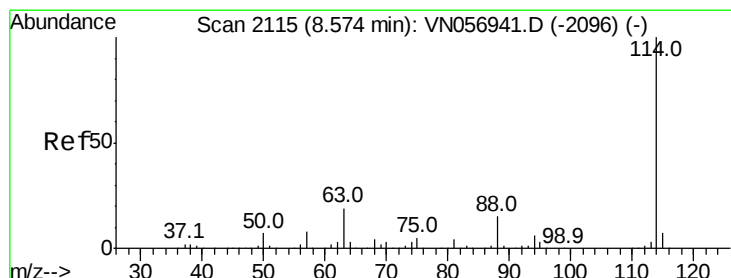
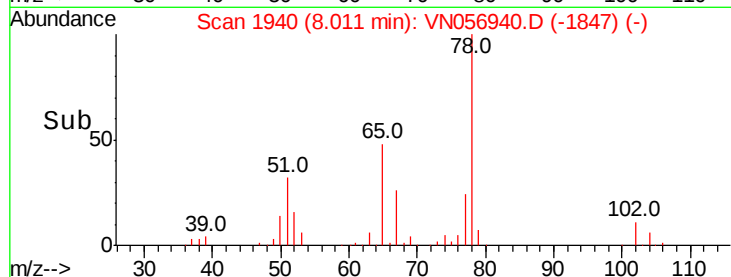
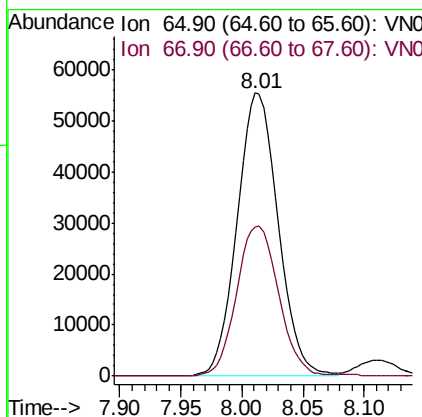
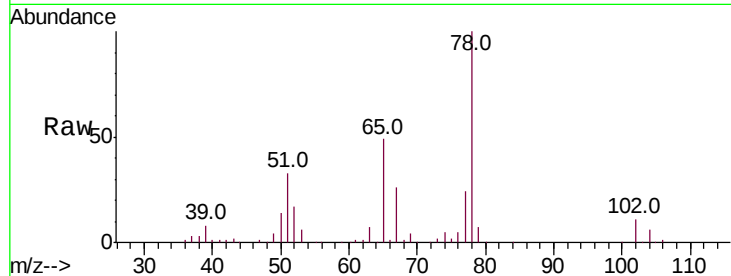
#33
 1,2-Dichloroethane-d4
 Concen: 20.523 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN056940.D
 Acq: 26 Jul 2019 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	112.0

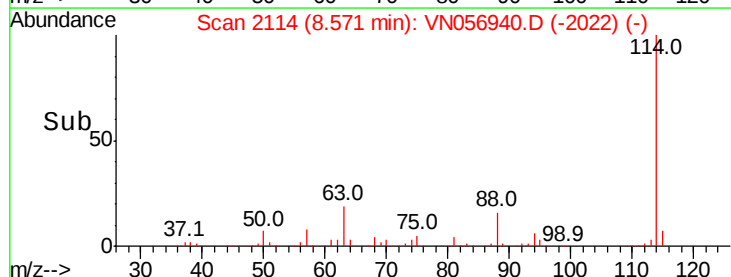
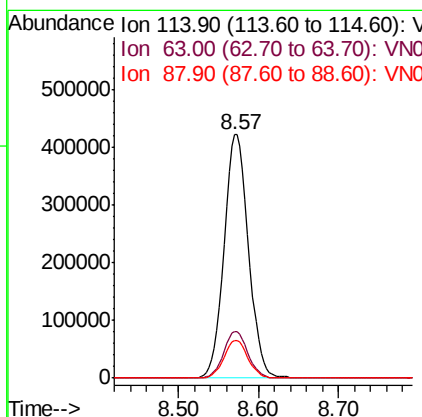
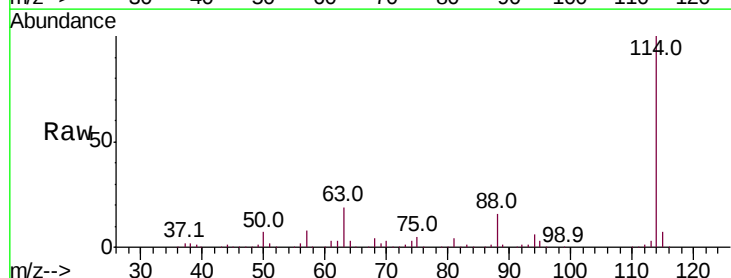
Manual Integrations
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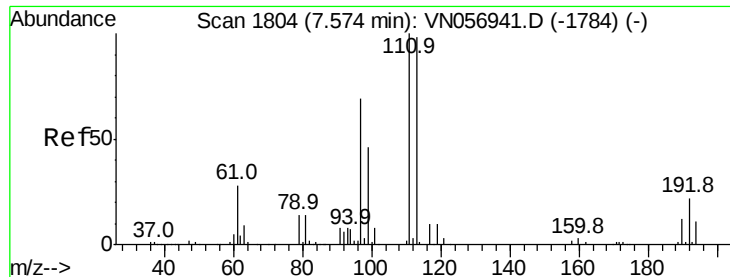
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN056940.D
 Acq: 26 Jul 2019 10:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	38.0
88	15.5	0.0	30.0





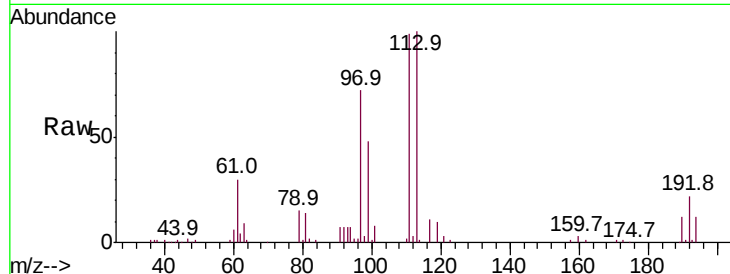
#35
 Dibromofluoromethane
 Concen: 20.736 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN056940.D
 Acq: 26 Jul 2019 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.4	82.0	123.0	
192	23.2	18.4	27.6	

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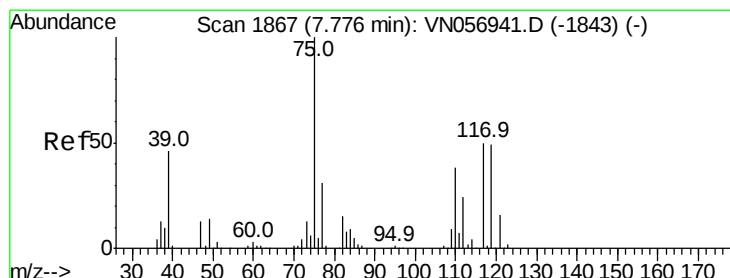
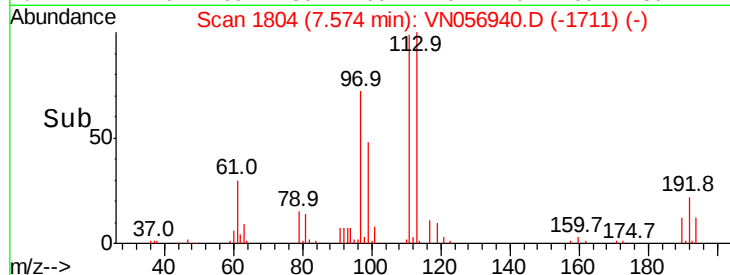
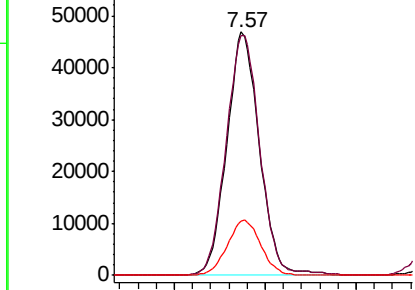


Abundance

Ion 112.80 (112.50 to 113.50): V

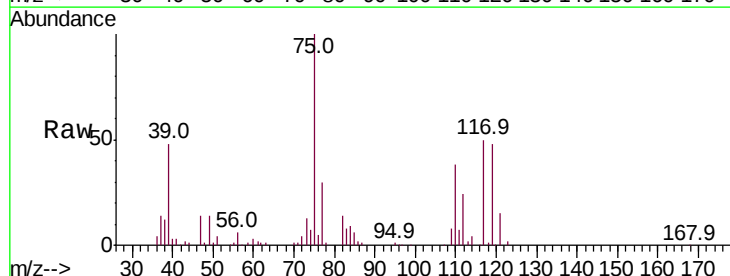
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.602 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN056940.D
 Acq: 26 Jul 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.9	18.6	55.8	
77	30.8	25.2	37.8	

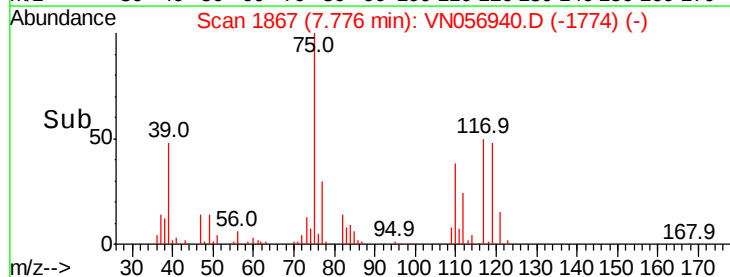
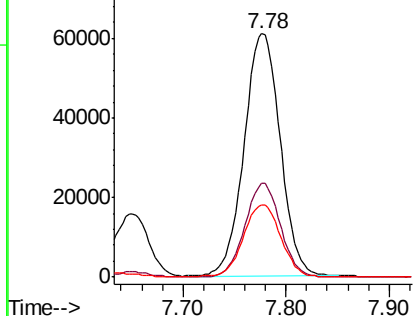


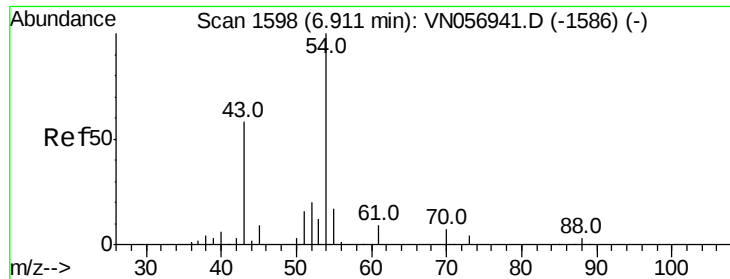
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 17.687 ug/l

RT: 6.91 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN056940.D

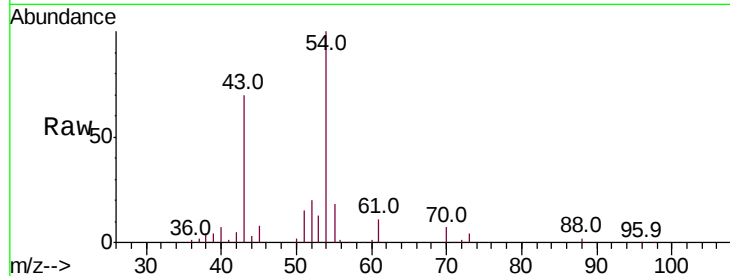
Acq: 26 Jul 2019 10:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.8	17.6
70	10.6	8.5	12.7

Manual Integrations
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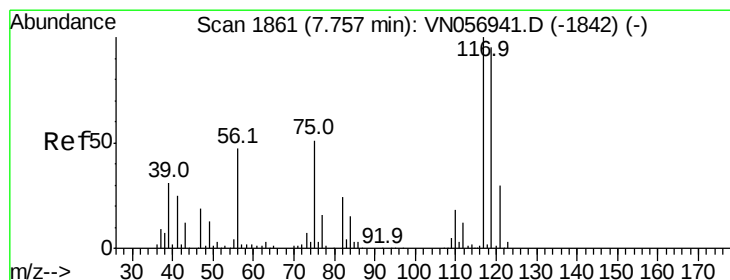
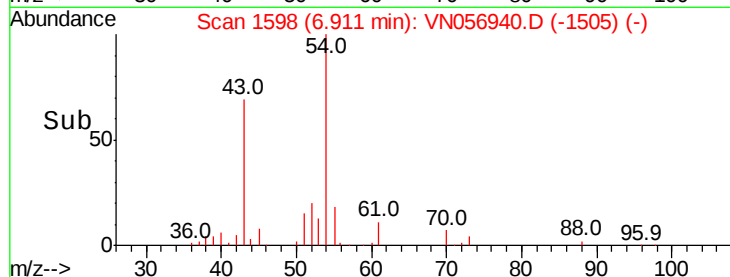
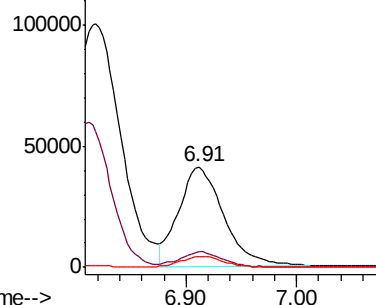
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Abundance Ion 43.00 (42.70 to 43.70): VN056940.D (-1586) (-)

Ion 60.90 (60.60 to 61.60): VN056940.D (-1586) (-)

Ion 70.00 (69.70 to 70.70): VN056940.D (-1586) (-)



#38

Carbon Tetrachloride

Concen: 18.080 ug/l

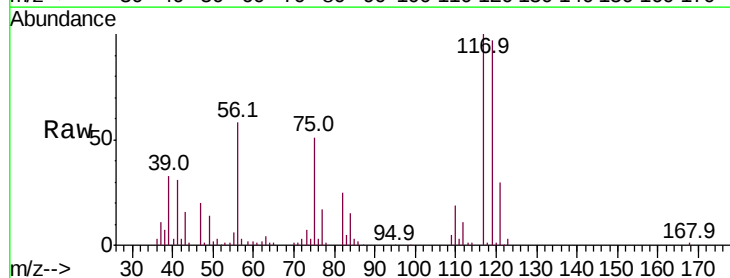
RT: 7.76 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

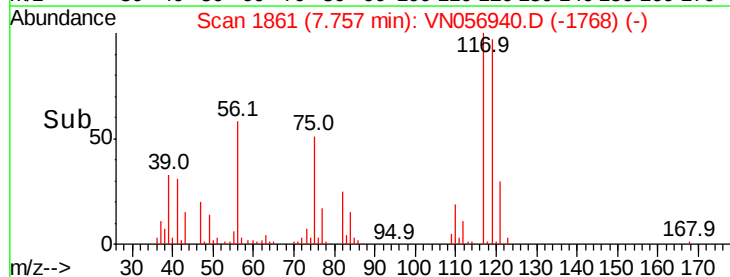
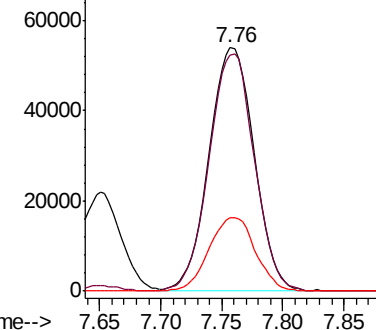
Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	75.3	112.9
121	30.2	24.2	36.4

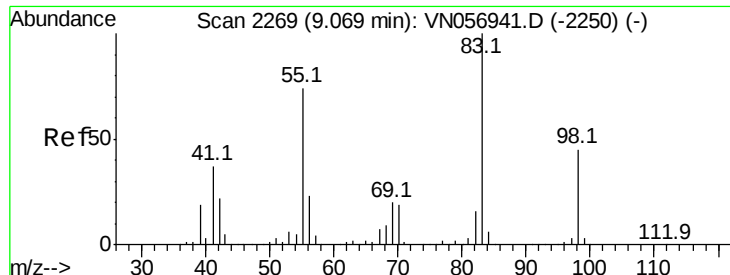


Abundance Ion 116.80 (116.50 to 117.50): VN056940.D (-1768) (-)

Ion 118.80 (118.50 to 119.50): VN056940.D (-1768) (-)

Ion 120.80 (120.50 to 121.50): VN056940.D (-1768) (-)





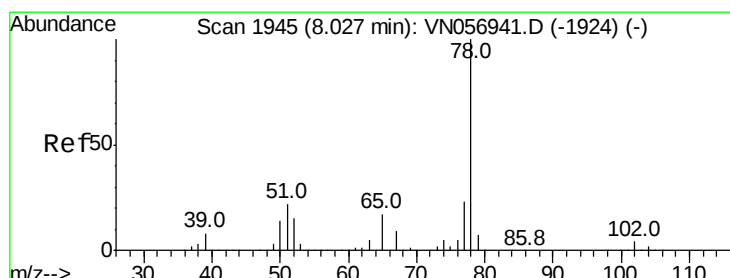
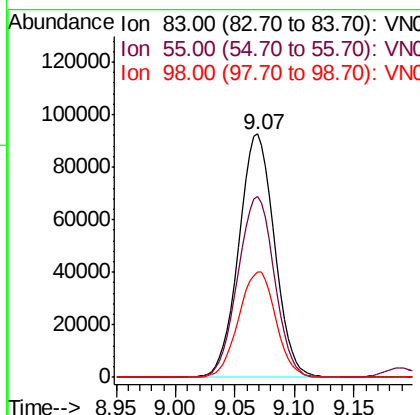
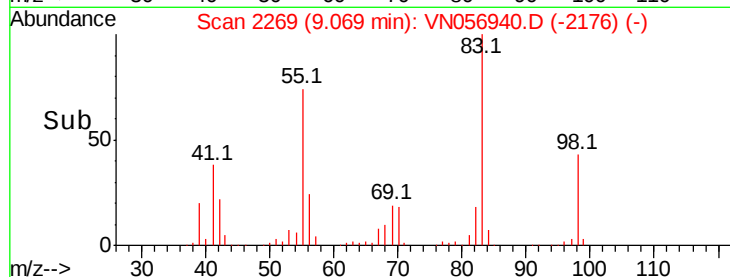
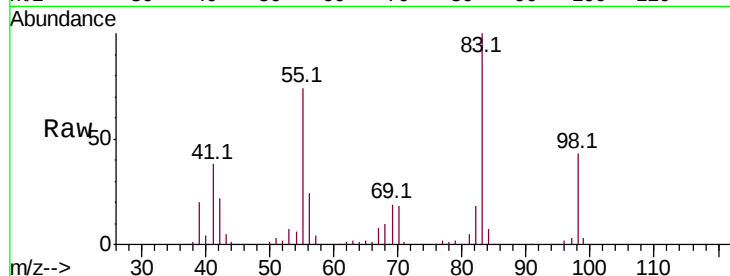
#39
Methvlcvclohexane
Concen: 19.723 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.3	59.0	88.6
98	43.3	36.2	54.4

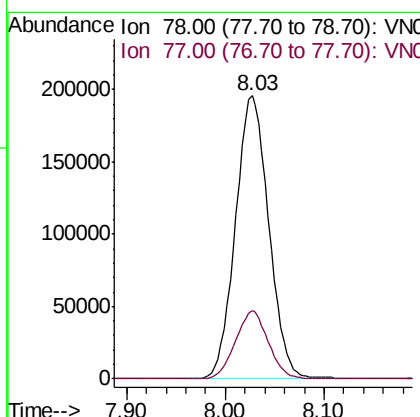
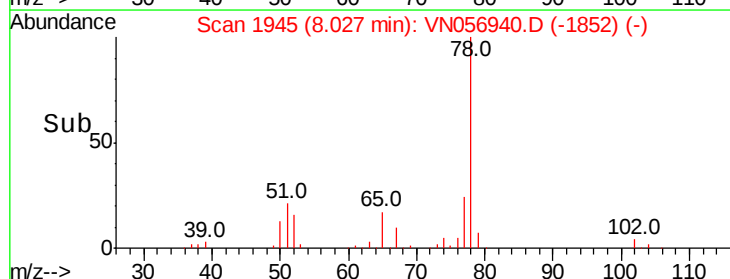
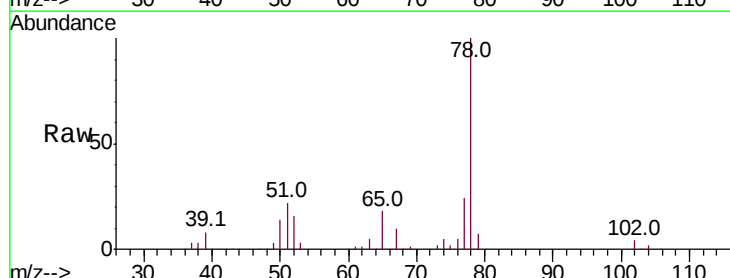
Manual Integrations
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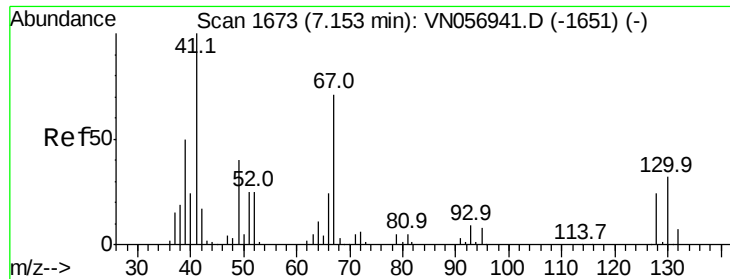
MMDadoda
8/2/2019 9:13:09 AM



#40
Benzene
Concen: 18.469 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.3	27.5





#41

Methacrylonitrile

Concen: 17.730 ug/l m

RT: 7.16 min Scan# 1676

Delta R.T. 0.01 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 41 Resp: 51822

Ion Ratio Lower Upper

41 100

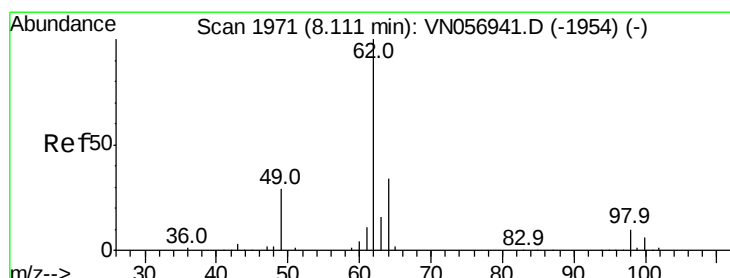
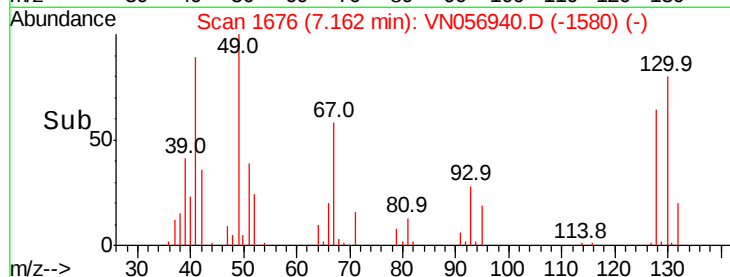
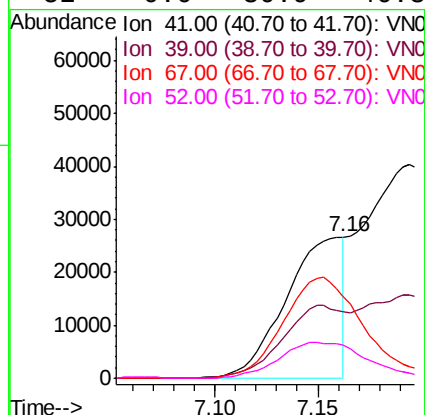
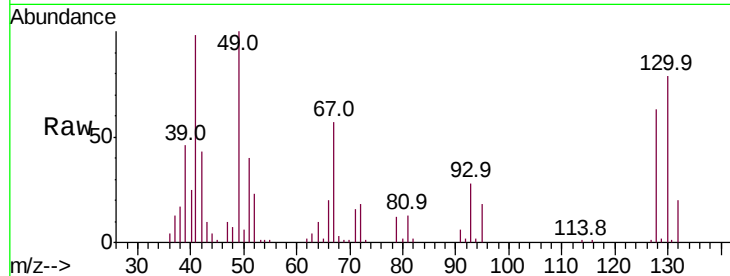
39 0.0 48.9 73.3#

67 0.0 83.4 125.0#

52 0.0 30.9 46.3#

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#42

1,2-Dichloroethane

Concen: 18.523 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN056940.D

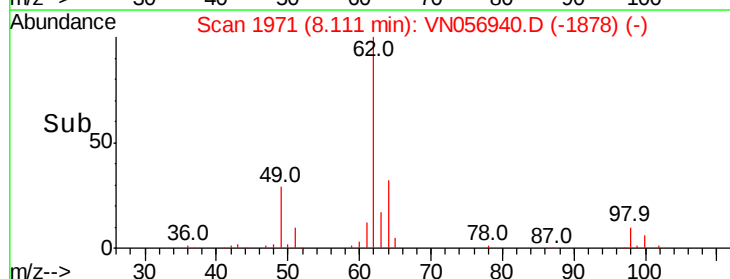
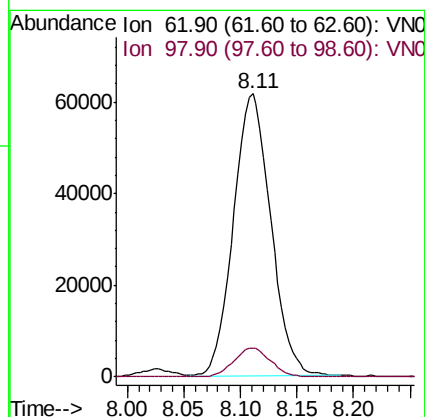
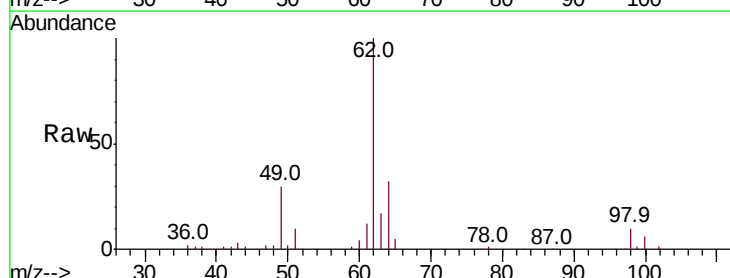
Acq: 26 Jul 2019 10:00

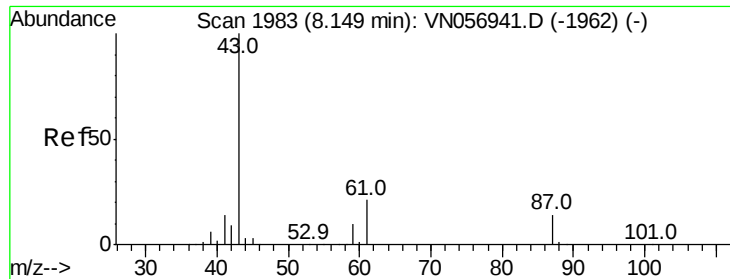
Tgt Ion: 62 Resp: 142011

Ion Ratio Lower Upper

62 100

98 10.1 0.0 20.6





#43

Isopropyl Acetate

Concen: 17.998 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Instrument :

MSVOA_N

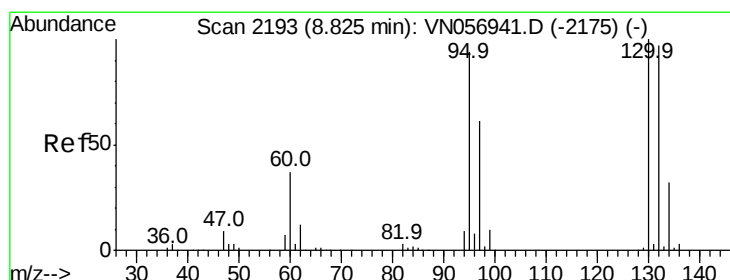
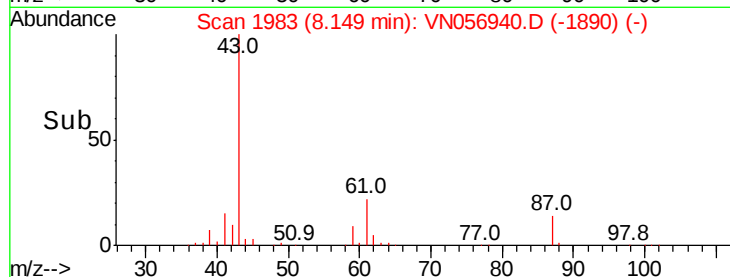
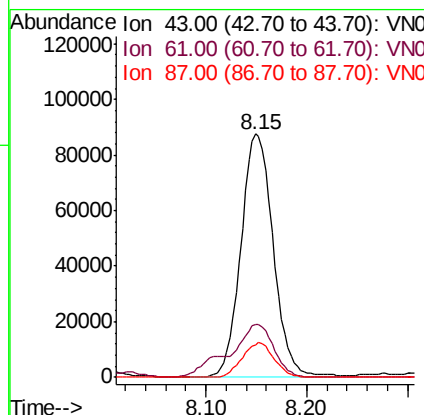
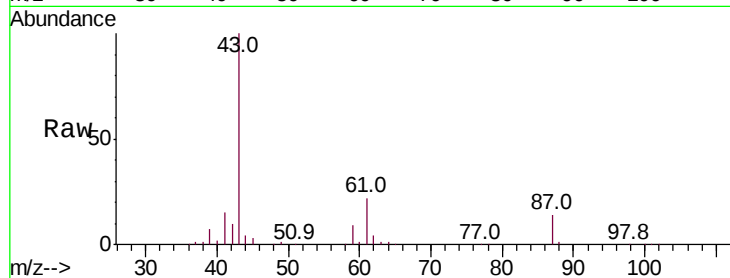
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	193455
Ion Ratio	Lower	Upper	
43	100		
61	22.5	23.0	34.6#
87	14.1	11.7	17.5

Manual Integrations
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#44

Trichloroethene

Concen: 19.012 ug/l

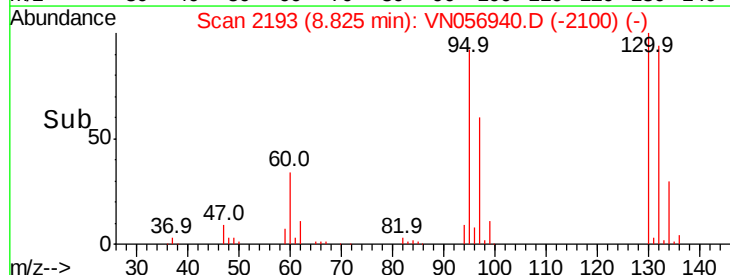
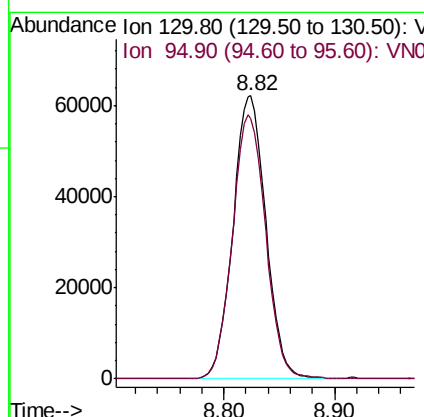
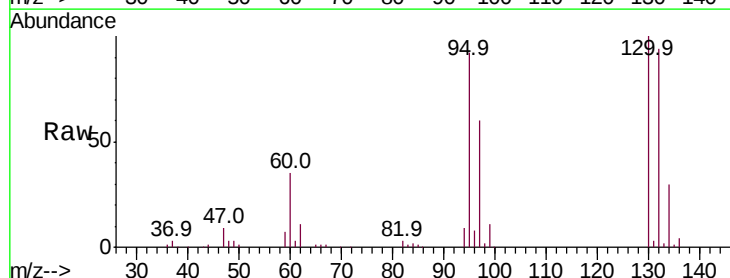
RT: 8.82 min Scan# 2193

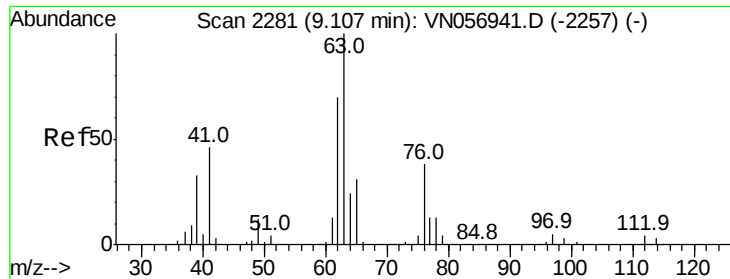
Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Tgt Ion:	130	Resp:	128463
Ion Ratio	Lower	Upper	
130	100		
95	92.1	0.0	189.0





#45

1,2-Dichloropropane

Concen: 18.364 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 122400

Ion Ratio Lower Upper

63 100

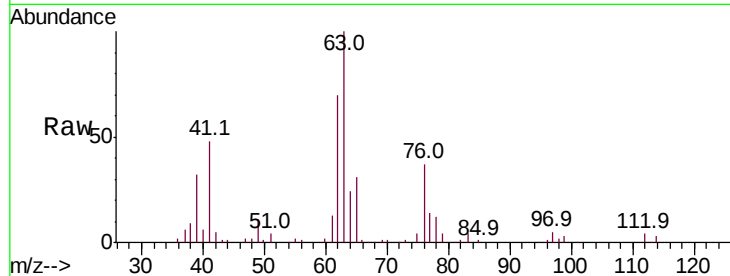
65 30.5 24.8 37.2

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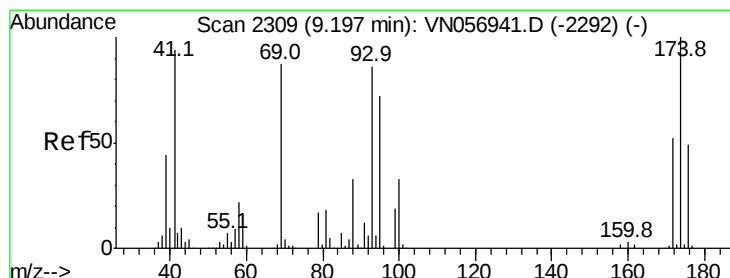
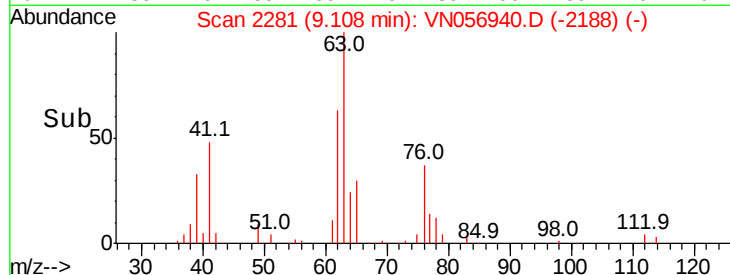
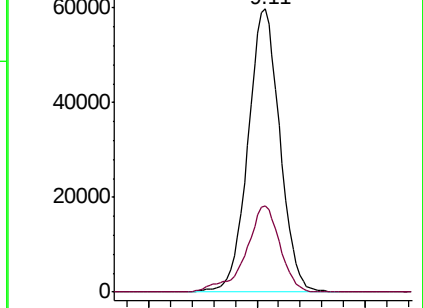
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.669 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

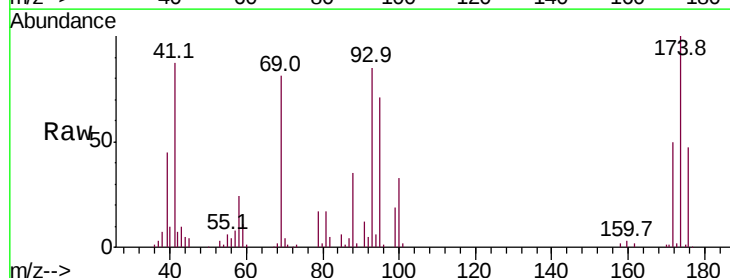
Tgt Ion: 93 Resp: 75150

Ion Ratio Lower Upper

93 100

95 83.5 67.0 100.6

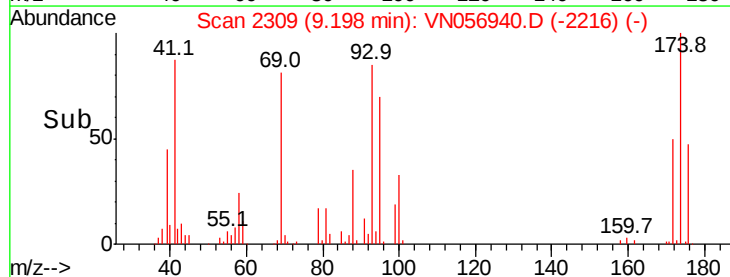
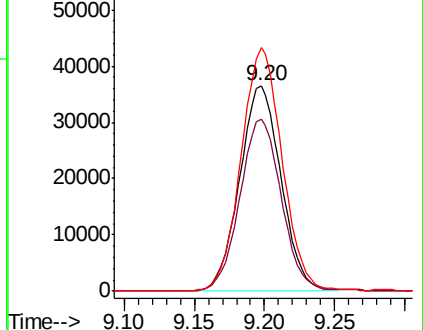
174 117.5 92.7 139.1

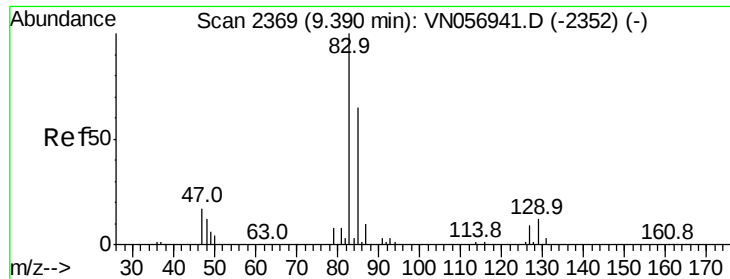


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.194 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Instrument :

MSVOA_N

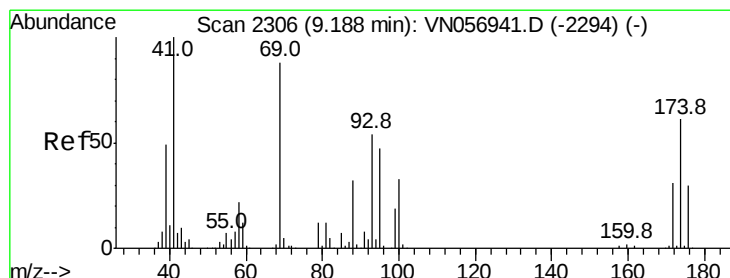
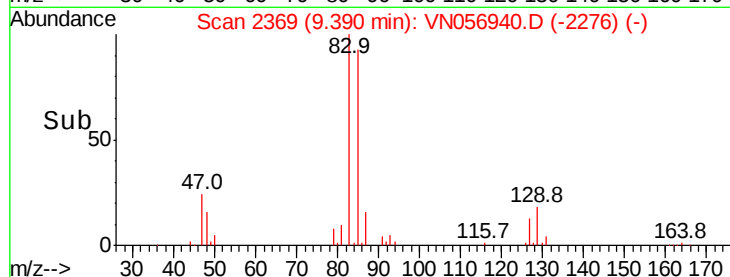
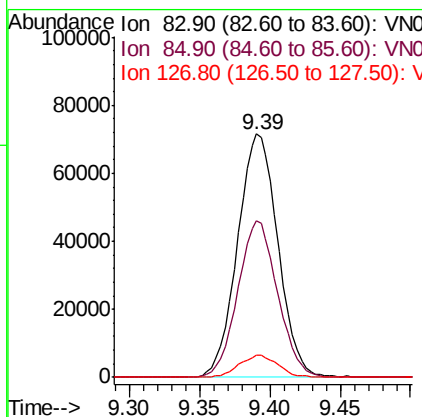
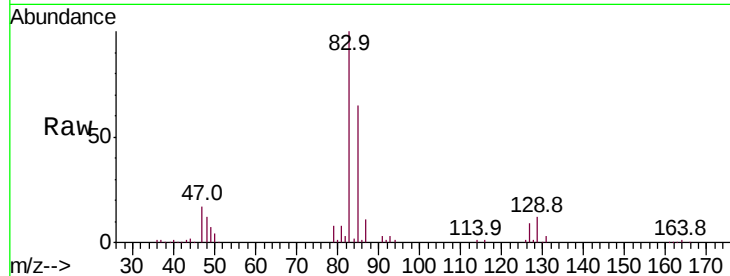
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	143146
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4
127	8.9	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.991 ug/l

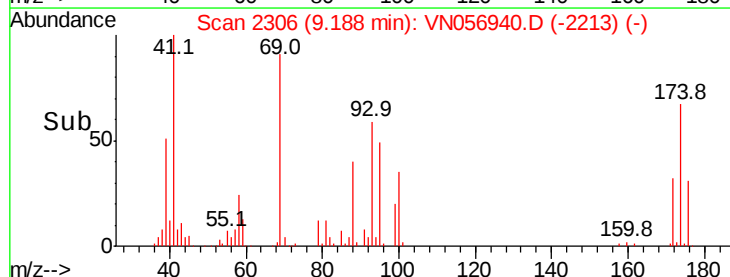
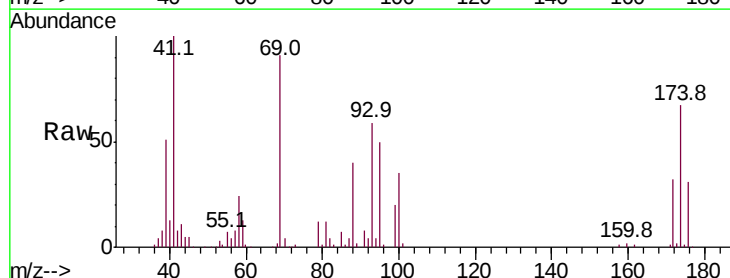
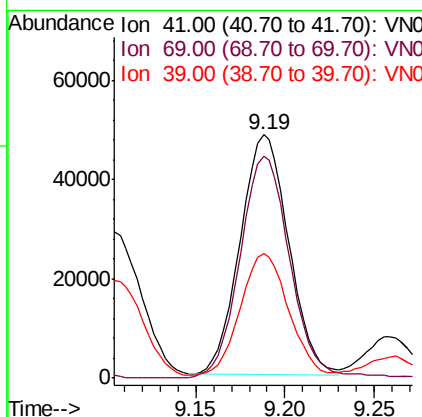
RT: 9.19 min Scan# 2306

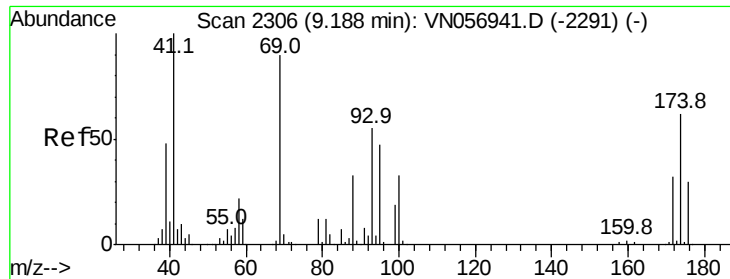
Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Tgt Ion:	41	Resp:	92351
Ion	Ratio	Lower	Upper
41	100		
69	95.1	73.4	110.0
39	52.8	39.9	59.9





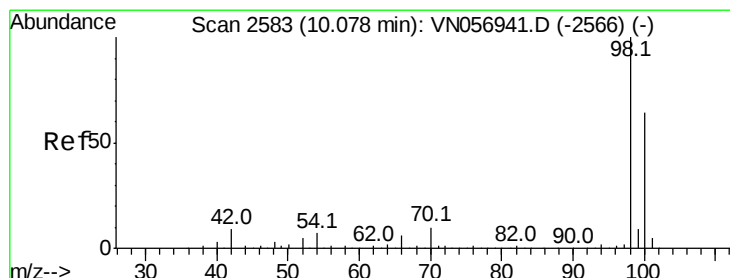
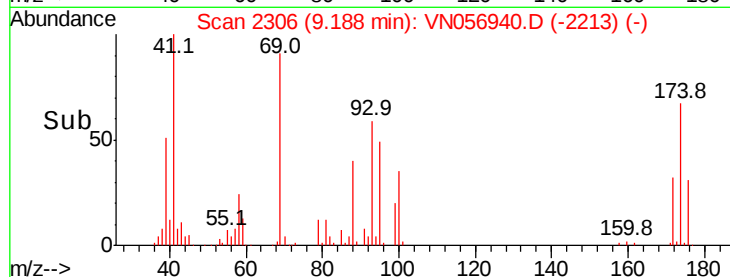
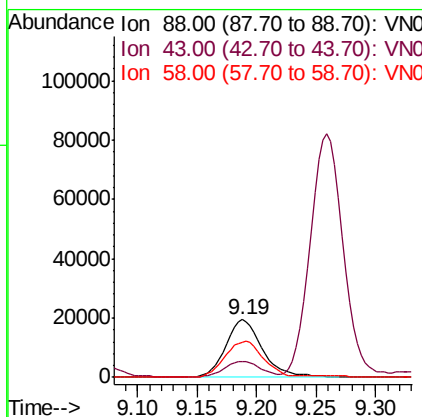
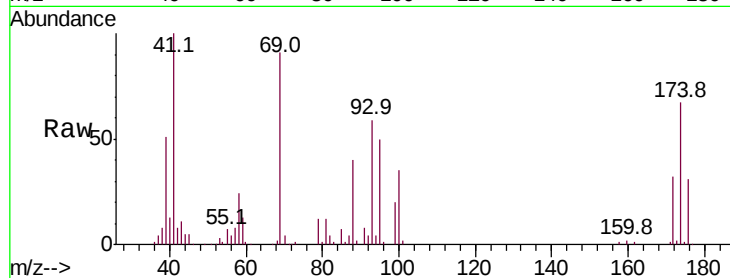
#49
 1,4-Dioxane
 Concen: 391.120 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN056940.D
 Acq: 26 Jul 2019 10:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	88	Resp	41543
Ion	Ratio	Lower	Upper
88	100		
43	25.9	22.2	33.2
58	66.6	54.1	81.1

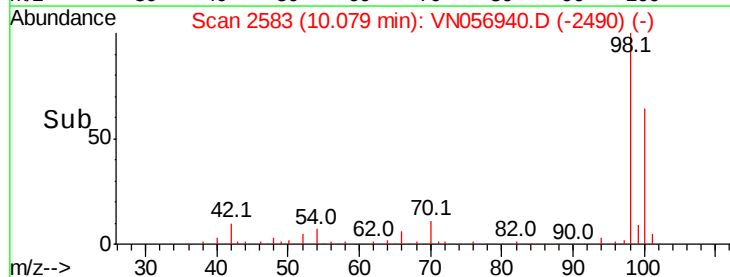
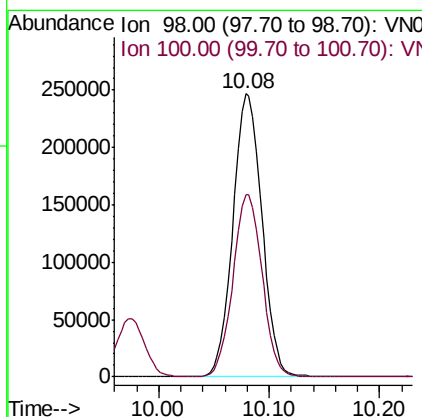
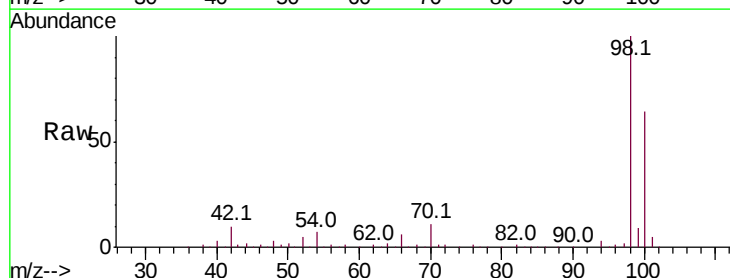
Manual Integrations
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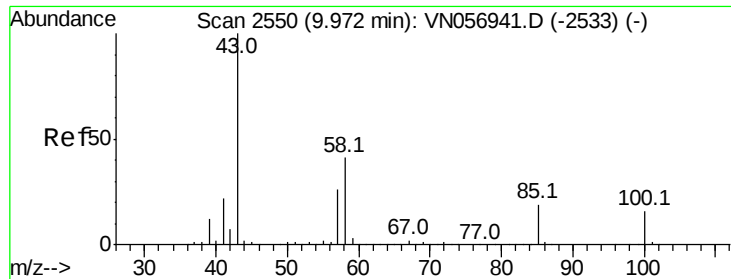
MMDadoda
 8/2/2019 9:13:09 AM



#50
 Toluene-d8
 Concen: 21.098 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. 0.00 min
 Lab File: VN056940.D
 Acq: 26 Jul 2019 10:00

Tgt Ion	98	Resp	450759
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 91.878 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 587155

Ion Ratio Lower Upper

43 100

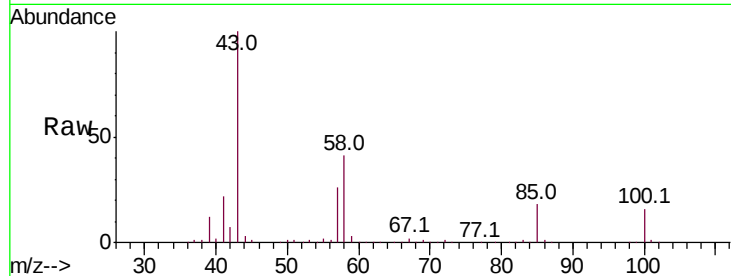
58 41.0 33.1 49.7

Manual Integrations

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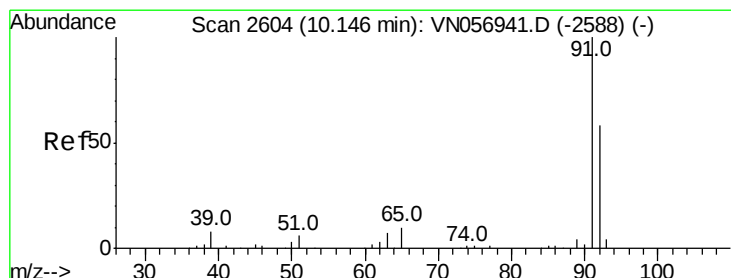
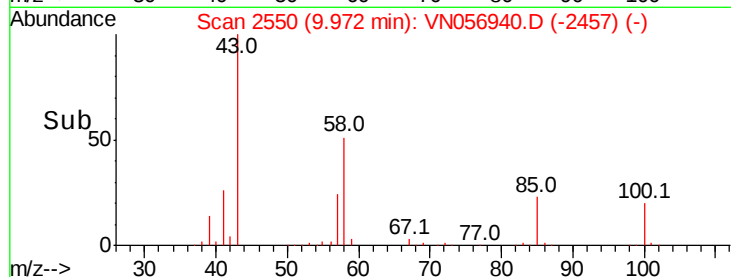
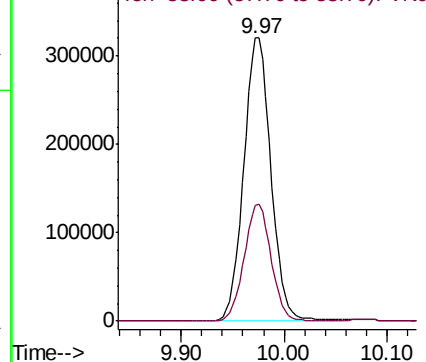
MMDadoda

8/2/2019 9:13:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.384 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN056940.D

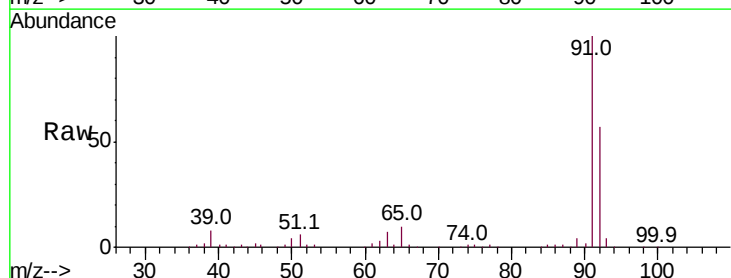
Acq: 26 Jul 2019 10:00

Tgt Ion: 92 Resp: 288277

Ion Ratio Lower Upper

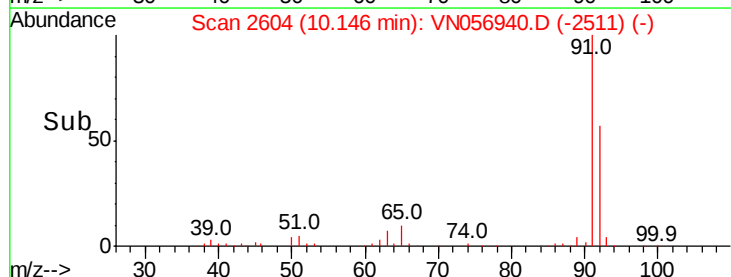
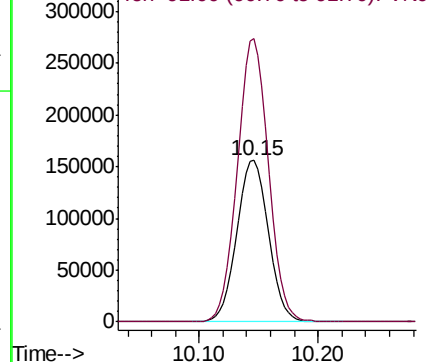
92 100

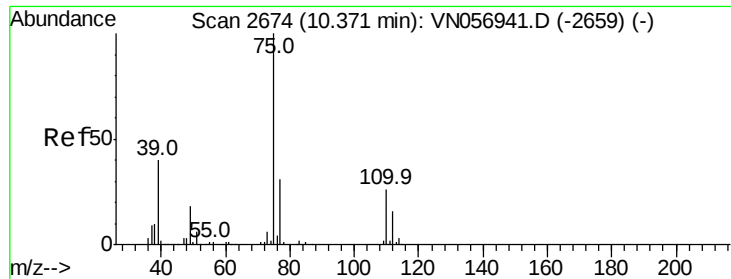
91 172.3 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





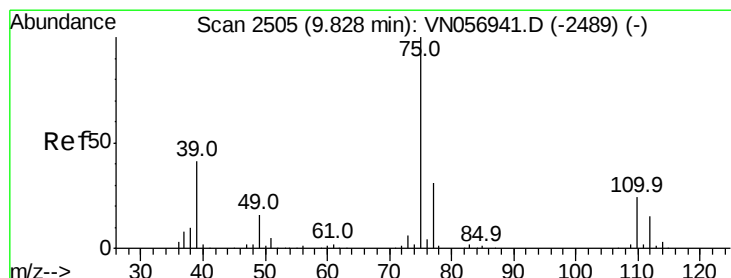
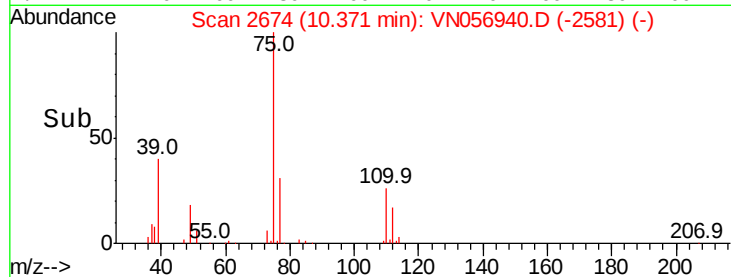
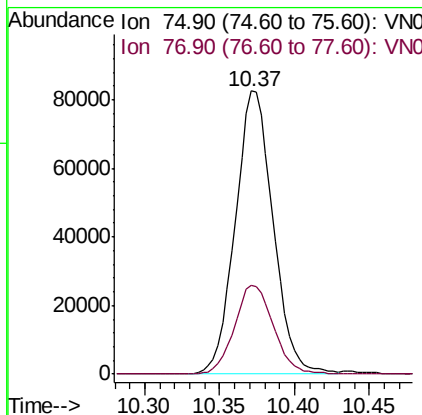
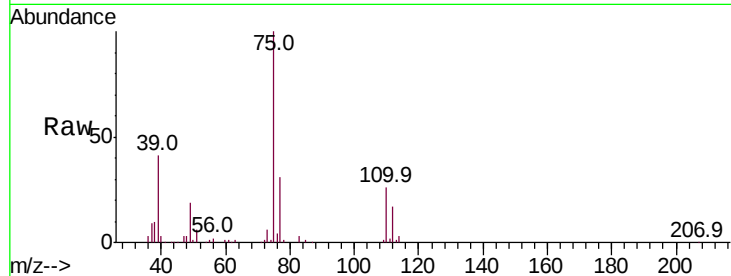
#53
 t-1,3-Dichloropropene
 Concen: 18.301 ug/l
 RT: 10.37 min Scan# 2674
 Delta R.T. 0.00 min
 Lab File: VN056940.D
 Acq: 26 Jul 2019 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 145583
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.1 37.7

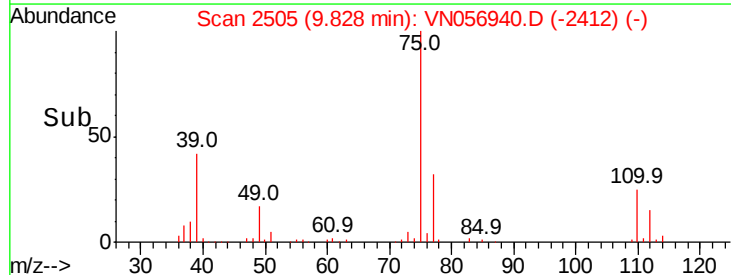
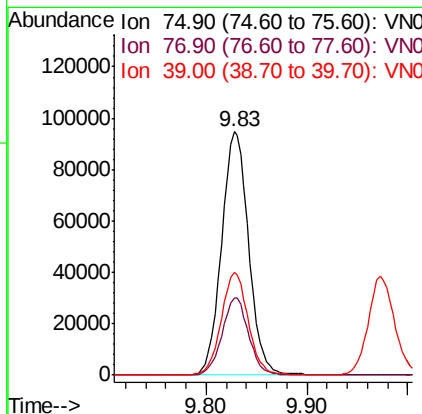
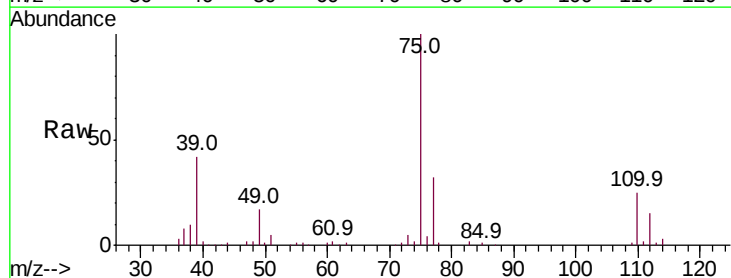
Manual Integrations
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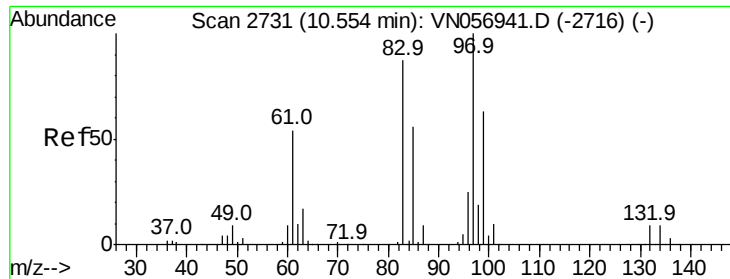
MMDadoda
 8/2/2019 9:13:09 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.028 ug/l
 RT: 9.83 min Scan# 2505
 Delta R.T. 0.00 min
 Lab File: VN056940.D
 Acq: 26 Jul 2019 10:00

Tgt Ion: 75 Resp: 177582
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.0 37.6
 39 42.0 32.6 49.0





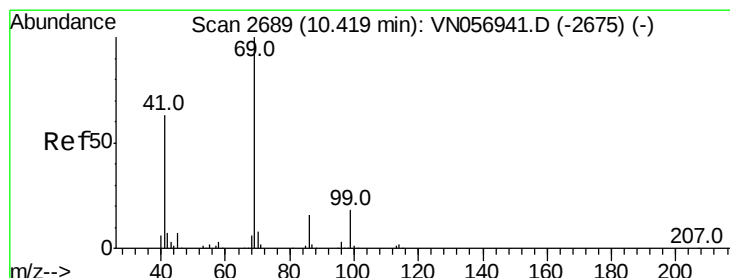
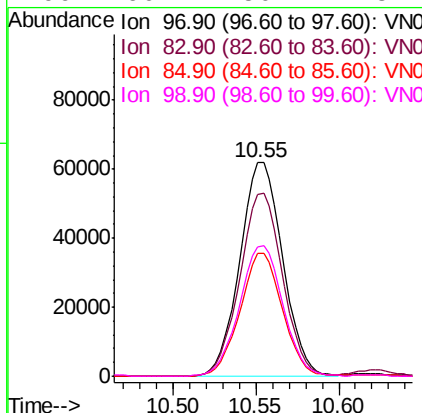
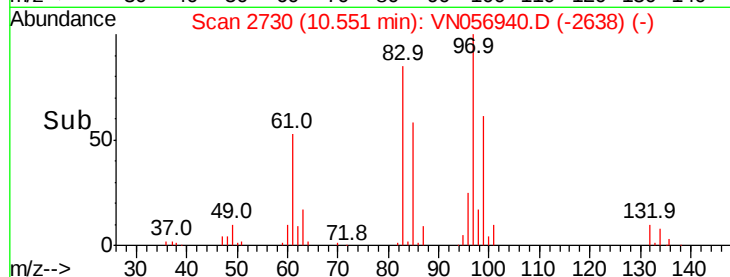
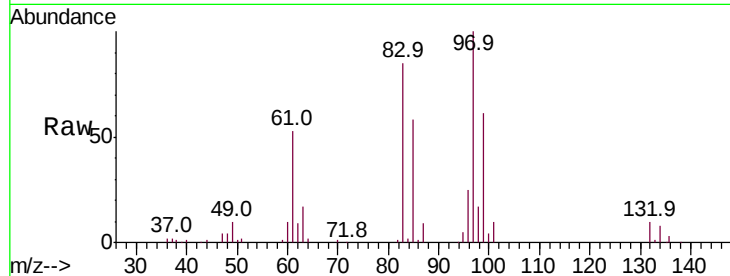
#55
 1,1,2-Trichloroethane
 Concen: 18.609 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN056940.D
 Acq: 26 Jul 2019 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	97	Resp	111404
Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.4	104.0
85	57.6	44.7	67.1
99	60.7	50.1	75.1

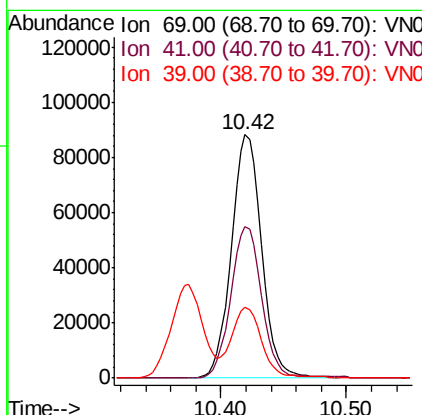
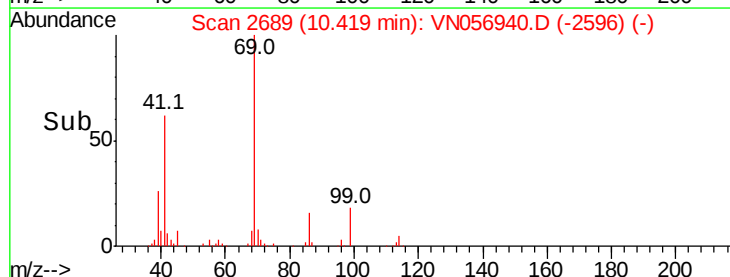
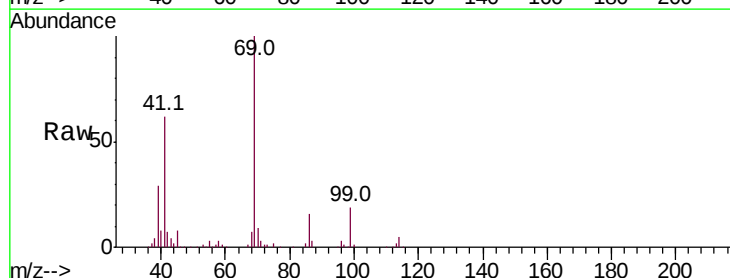
Manual Integrations
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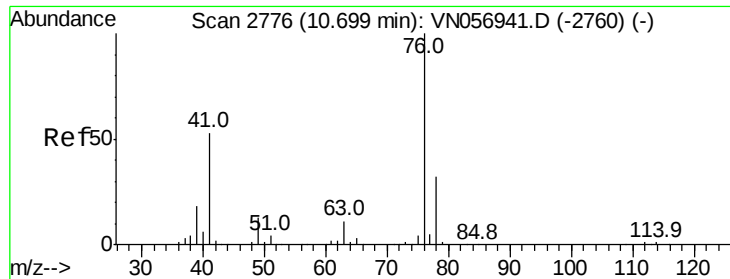
MMDadoda
 8/2/2019 9:13:09 AM



#56
 Ethyl methacrylate
 Concen: 18.351 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN056940.D
 Acq: 26 Jul 2019 10:00

Tgt Ion	69	Resp	148270
Ion	Ratio	Lower	Upper
69	100		
41	62.6	49.2	73.8
39	28.5	23.1	34.7





#57

1,3-Dichloropropane

Concen: 18.929 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 185161

Ion Ratio Lower Upper

76 100

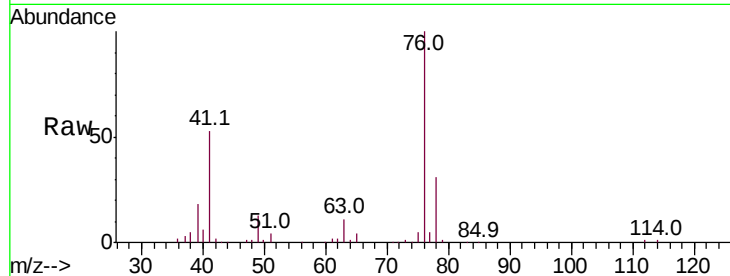
78 31.7 25.9 38.9

Manual Integrations

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8/2/2019 9:13:09 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

120000

100000

80000

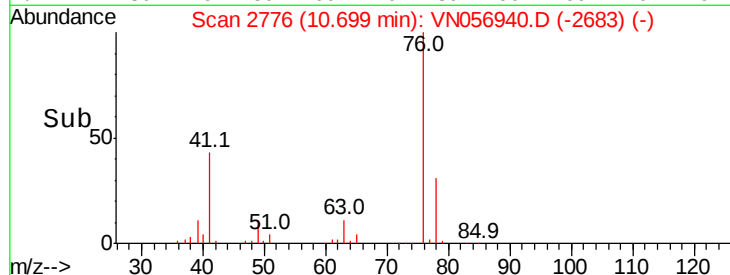
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 93.347 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN056940.D

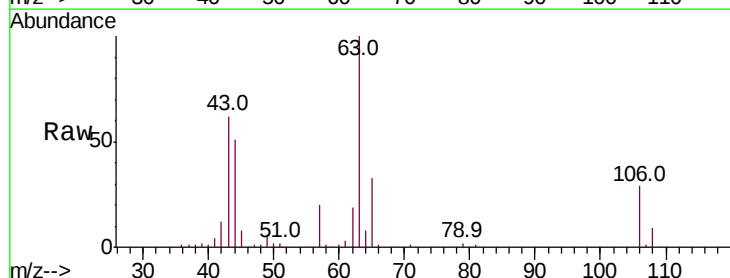
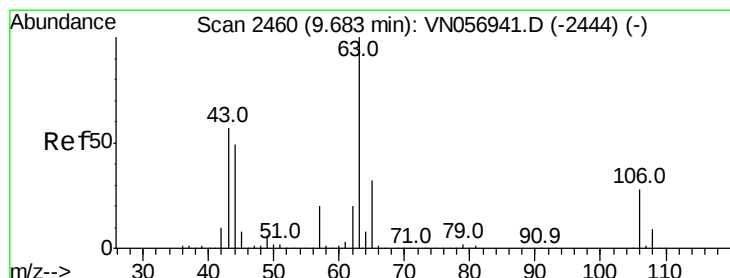
Acq: 26 Jul 2019 10:00

Tgt Ion: 63 Resp: 299464

Ion Ratio Lower Upper

63 100

106 28.2 22.0 33.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

200000

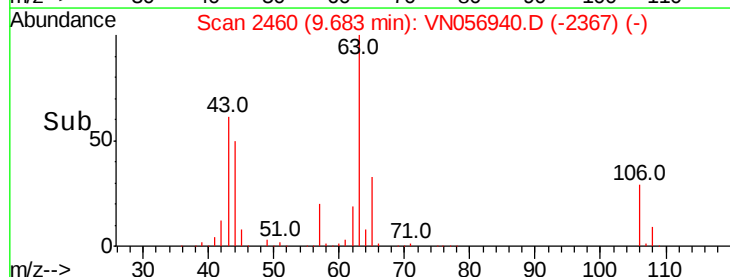
150000

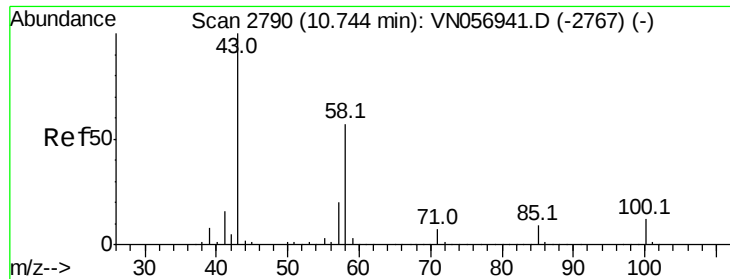
100000

50000

0

Time-->





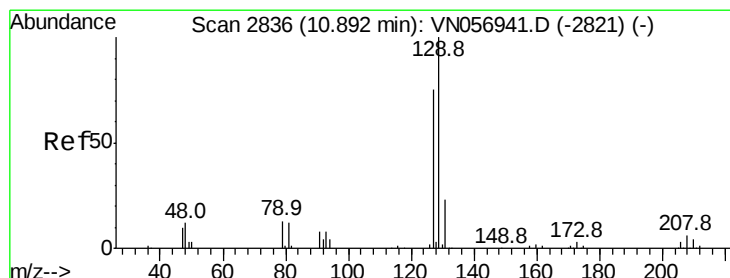
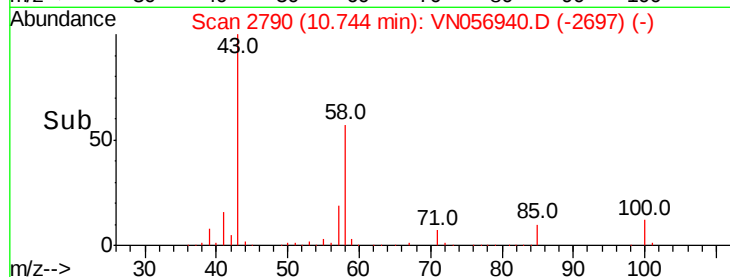
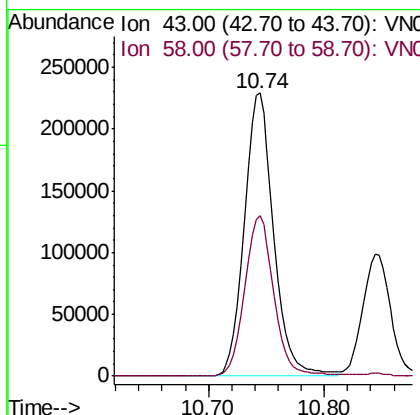
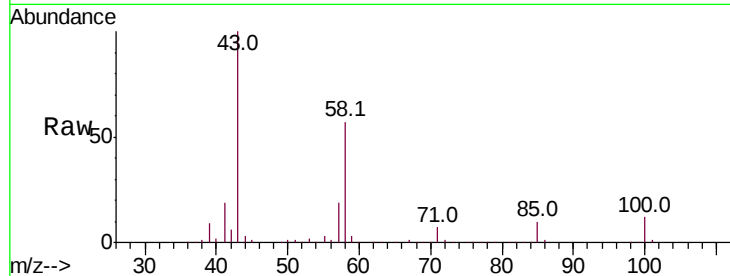
#59
2-Hexanone
Concen: 92.051 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 404160
Ion Ratio Lower Upper
43 100
58 56.4 28.5 85.5

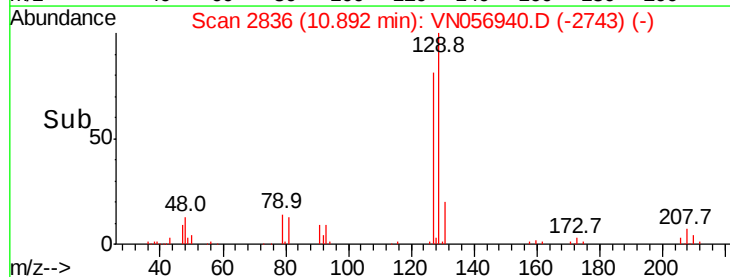
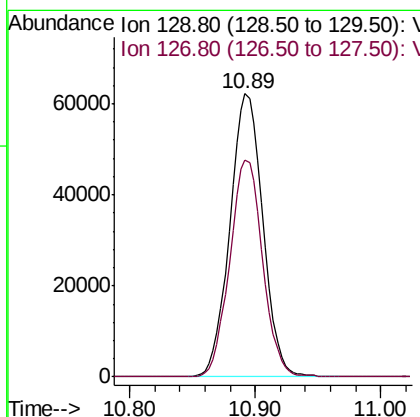
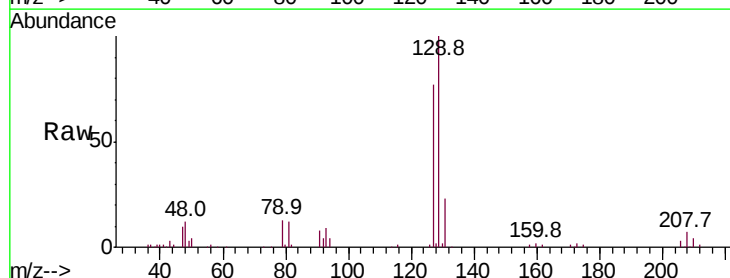
Manual Integrations
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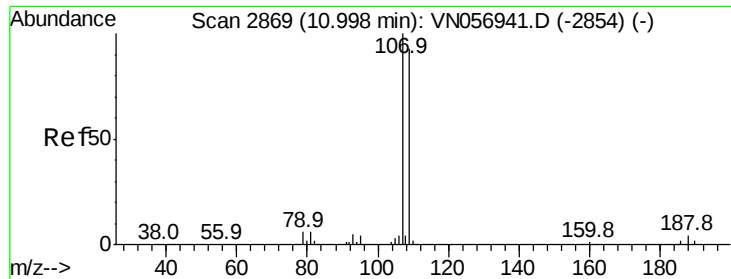
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8/2/2019 9:13:09 AM



#60
Dibromochloromethane
Concen: 18.568 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Tgt Ion: 129 Resp: 113433
Ion Ratio Lower Upper
129 100
127 76.2 38.0 113.9





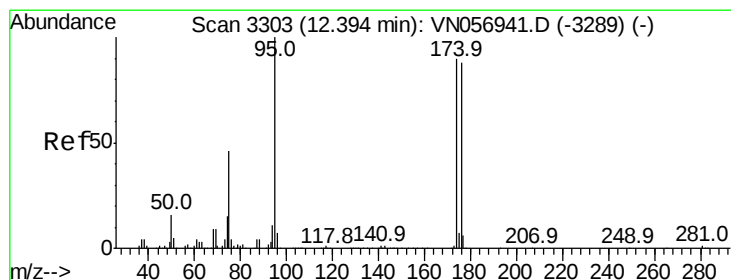
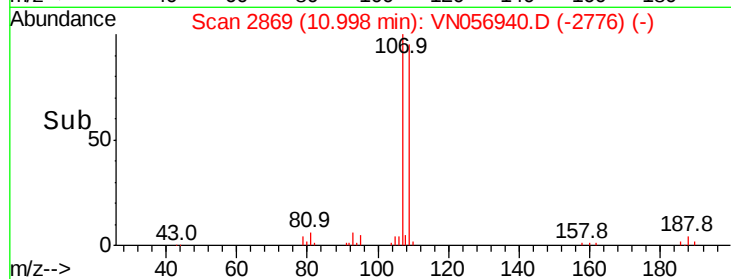
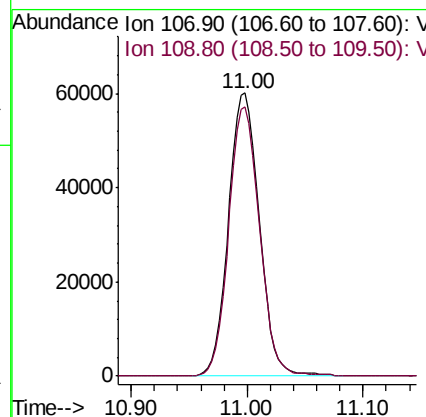
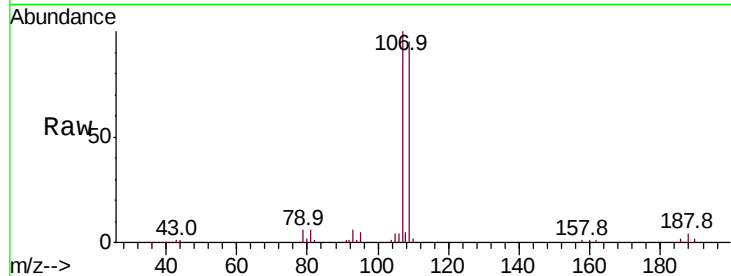
#61
 1,2-Dibromoethane
 Concen: 18.771 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN056940.D
 Acq: 26 Jul 2019 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
107	100	111183		
109	95.0	76.0	114.0	

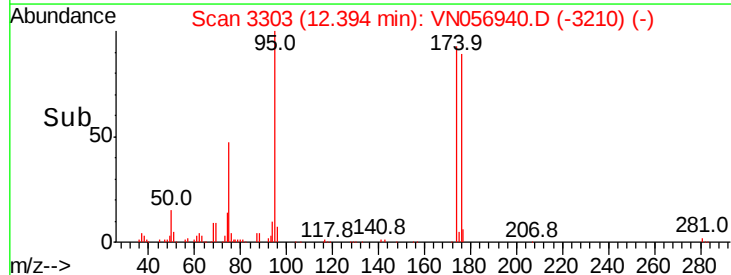
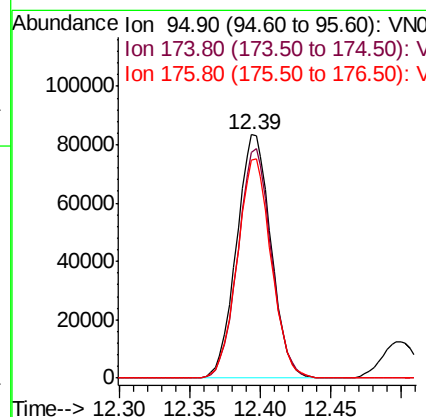
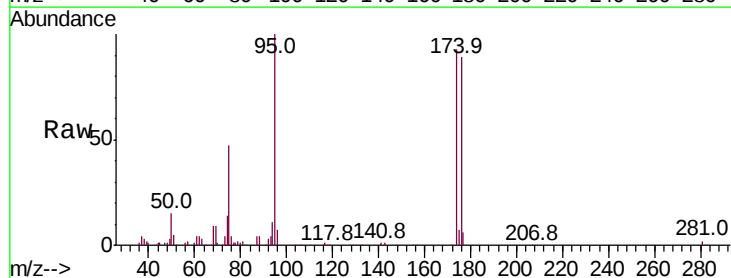
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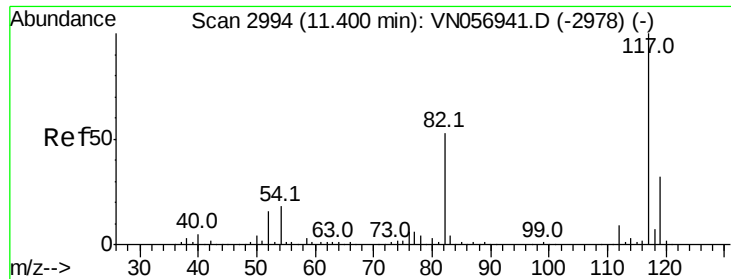
MMDadoda
 8/2/2019 9:13:09 AM



#62
 4-Bromofluorobenzene
 Concen: 20.440 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN056940.D
 Acq: 26 Jul 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	142457		
174	91.6	0.0	182.2	
176	88.8	0.0	179.4	





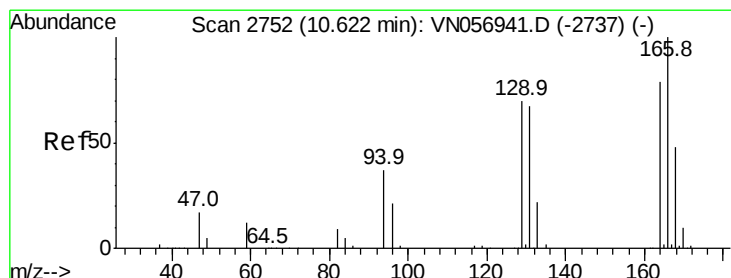
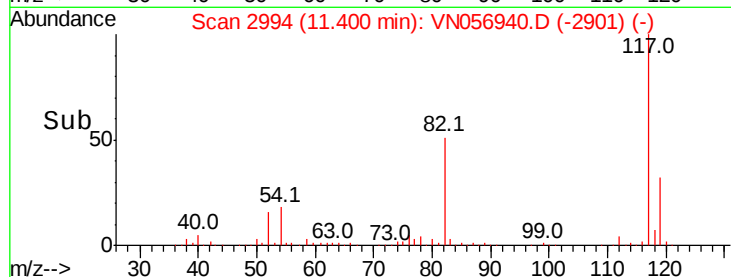
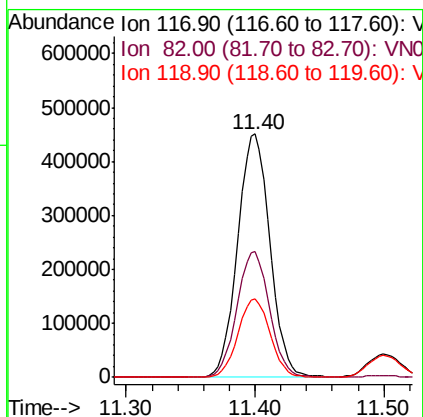
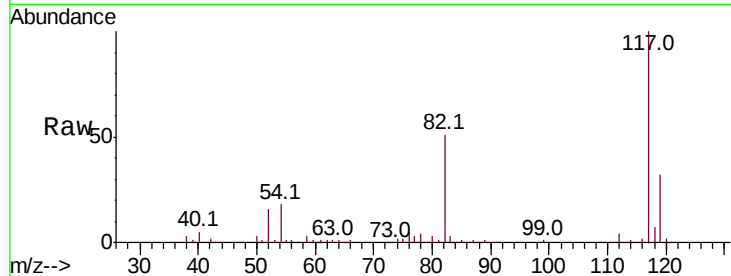
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.2	63.4
119	32.3	25.8	38.6

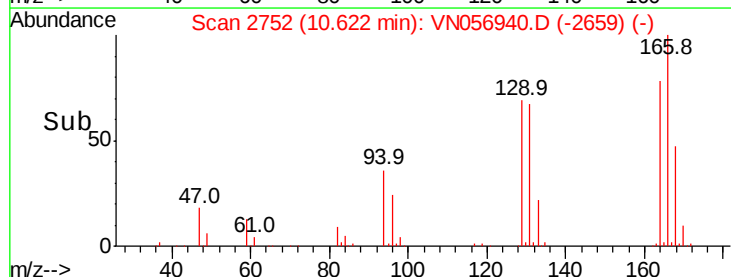
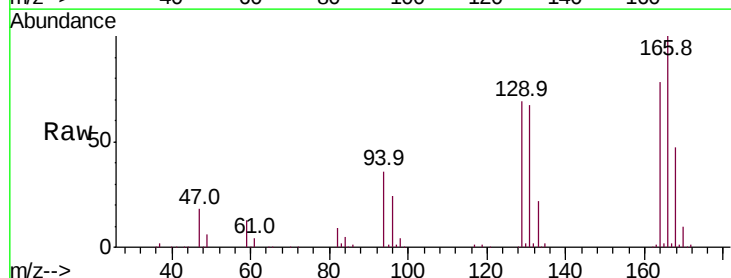
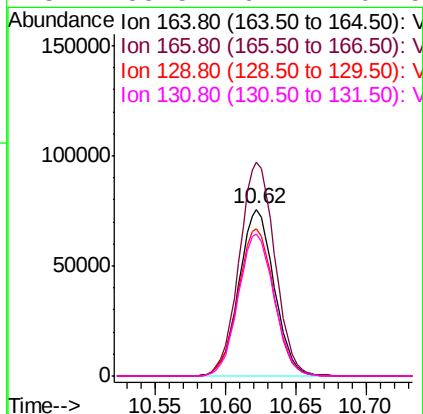
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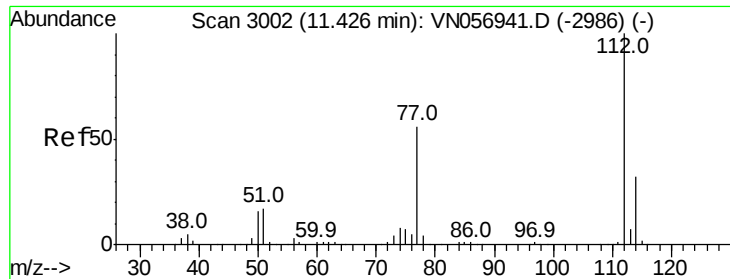
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#64
Tetrachloroethene
Concen: 18.885 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.1	151.7
129	88.7	70.9	106.3
131	85.5	67.7	101.5





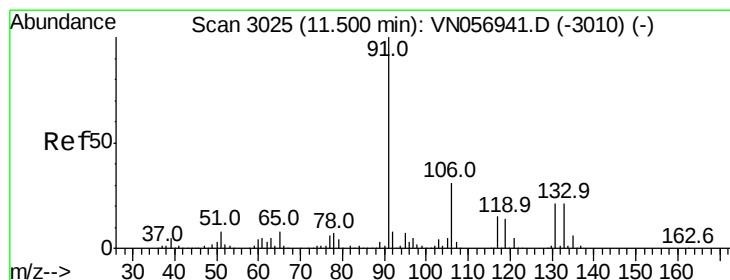
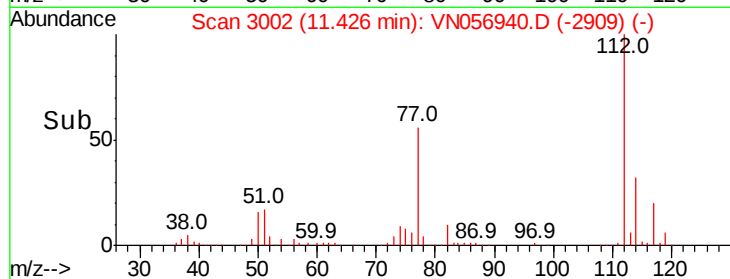
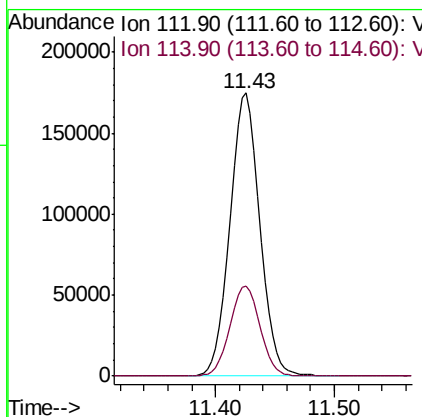
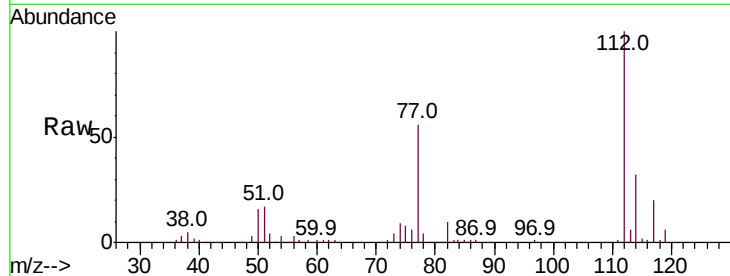
#65
Chlorobenzene
Concen: 18.729 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 304026
Ion Ratio Lower Upper
112 100
114 31.8 26.0 39.0

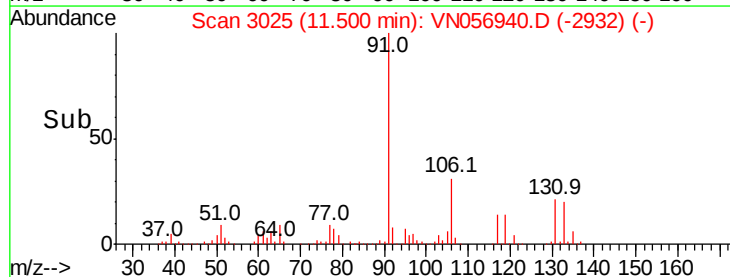
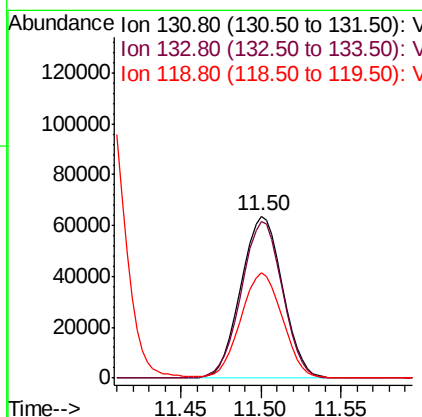
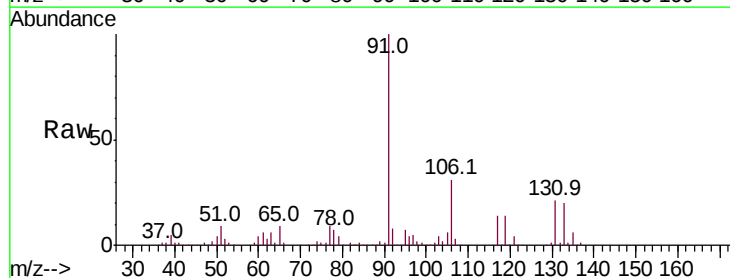
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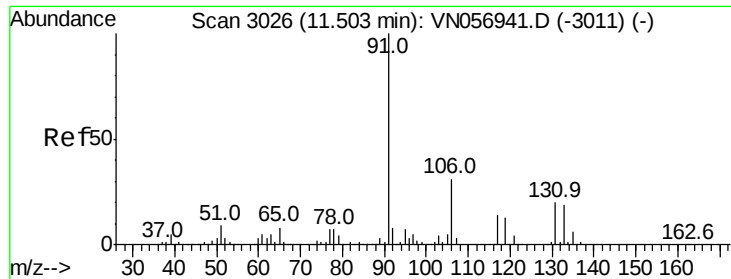
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.718 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Tgt Ion:131 Resp: 113435
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.0
119 65.5 33.2 99.6





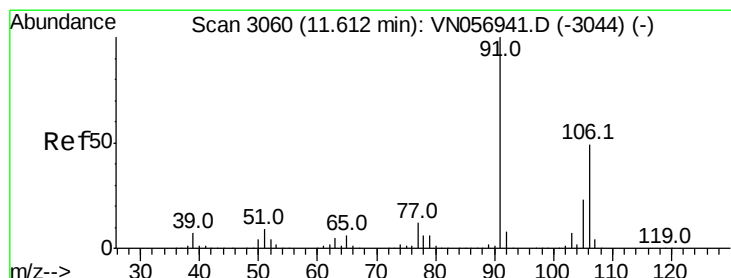
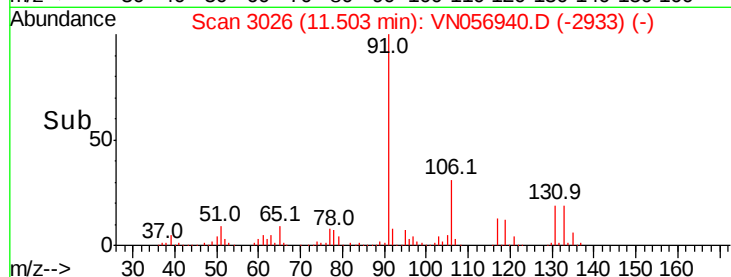
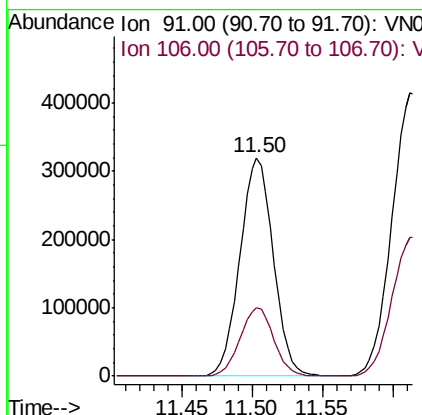
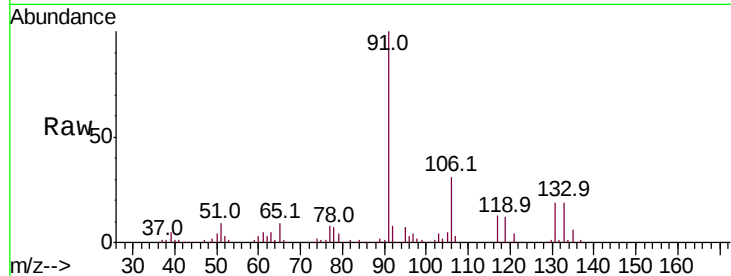
#67
Ethyl Benzene
Concen: 18.995 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 530708
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7

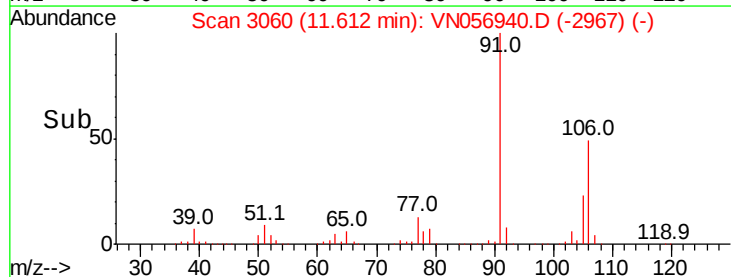
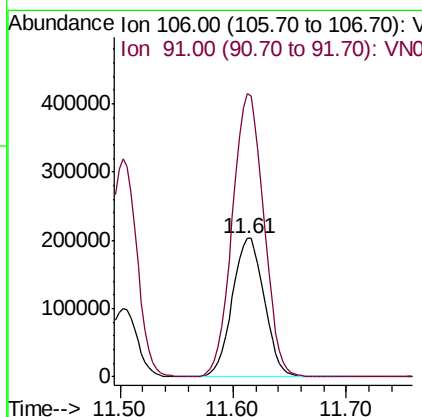
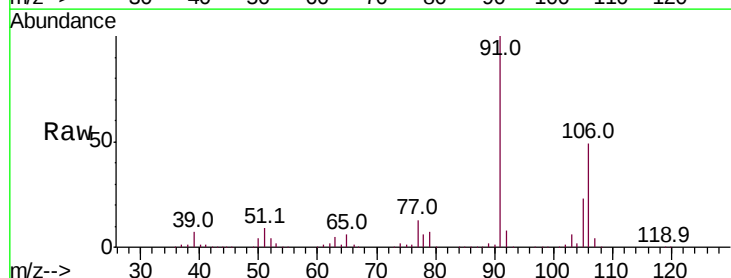
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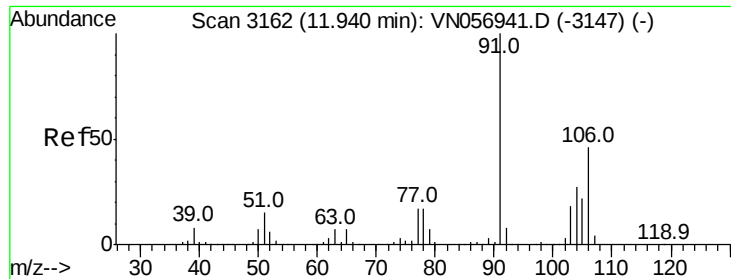
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#68
m/p-Xylenes
Concen: 38.407 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Tgt Ion: 106 Resp: 399659
Ion Ratio Lower Upper
106 100
91 201.2 160.0 240.0





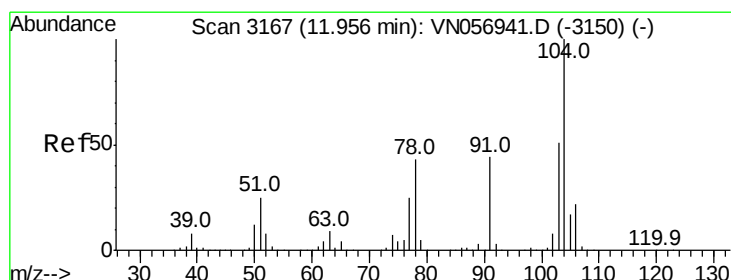
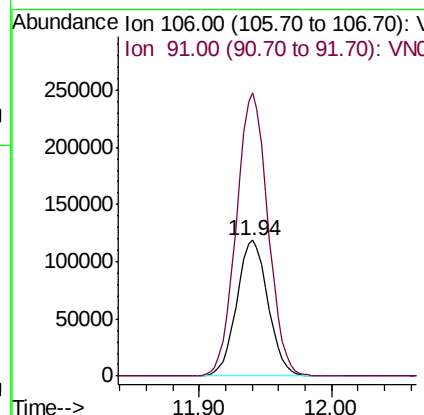
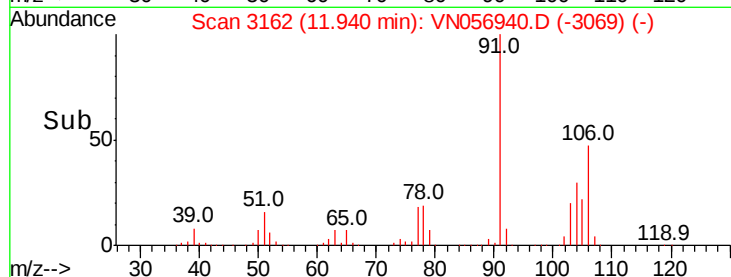
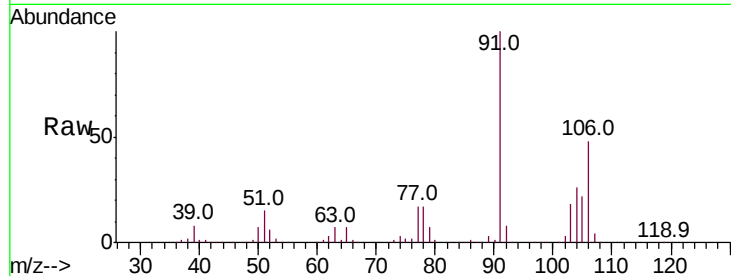
#69
o-Xylene
Concen: 19.169 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 195178
Ion Ratio Lower Upper
106 100
91 210.2 106.2 318.6

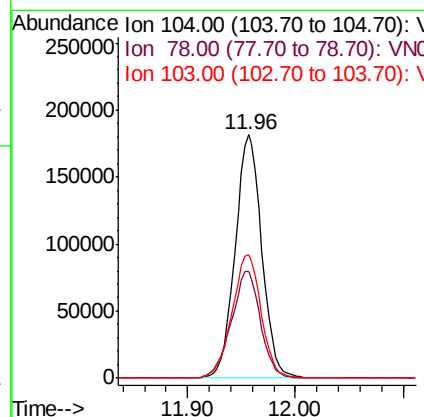
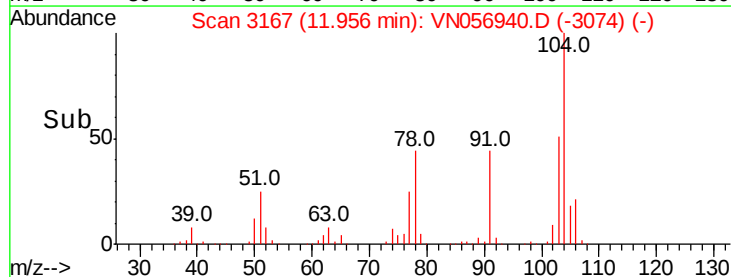
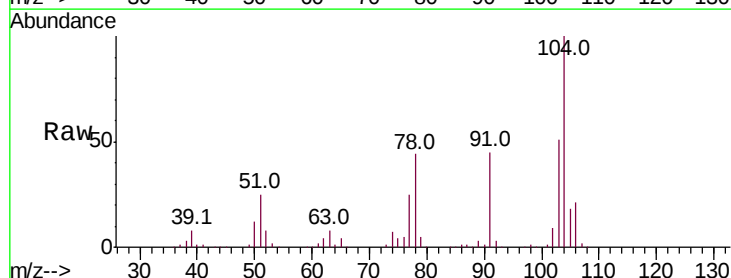
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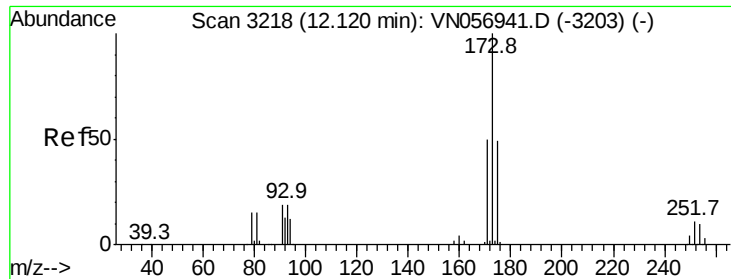
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#70
Styrene
Concen: 19.376 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Tgt Ion:104 Resp: 312529
Ion Ratio Lower Upper
104 100
78 48.0 38.1 57.1
103 55.4 44.3 66.5





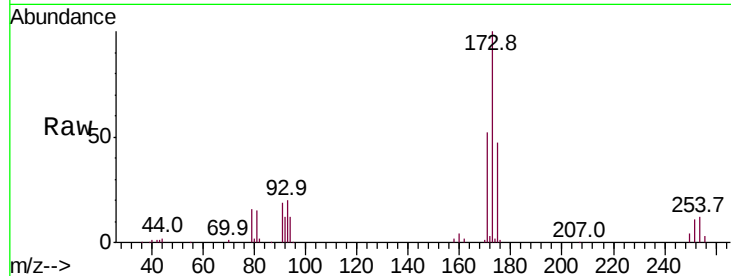
#71
Bromoform
Concen: 17.854 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.4
254	0.0	0.1	0.1#

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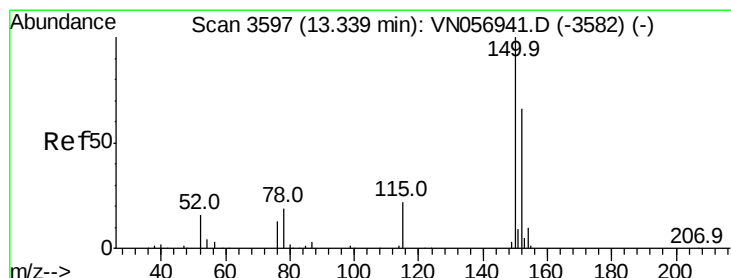
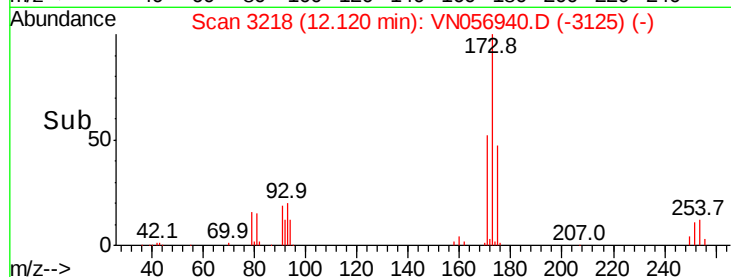
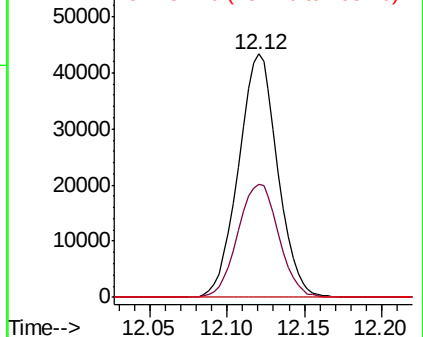


Abundance

Ion 172.70 (172.40 to 173.40): V

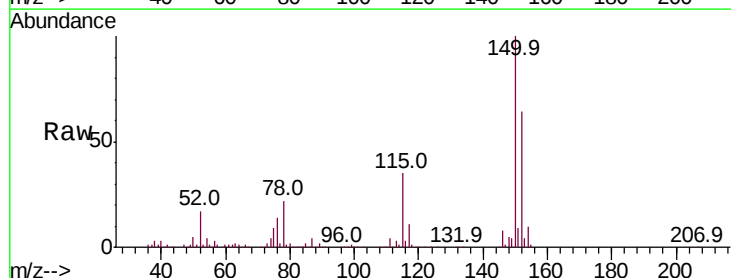
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	28.2	84.6
150	162.1	0.0	349.4

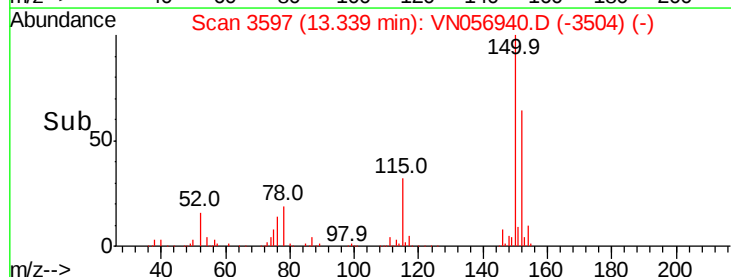
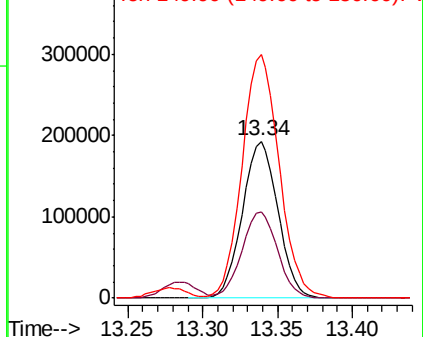


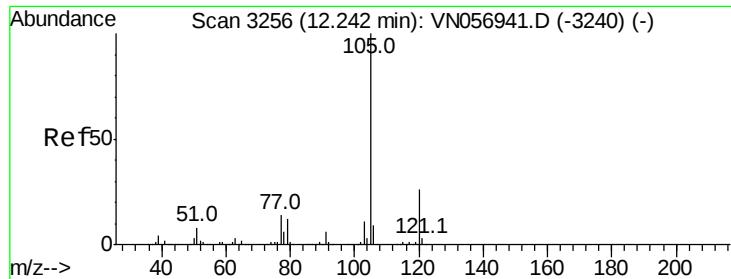
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.047 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 516096

Ion Ratio Lower Upper

105 100

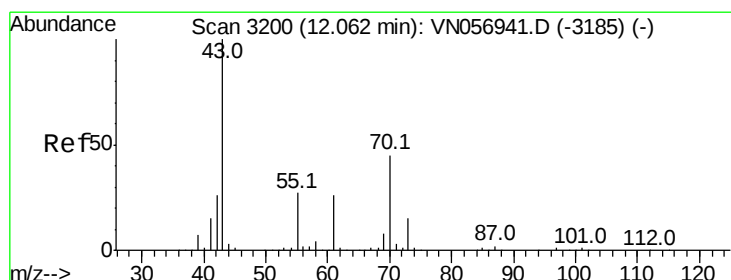
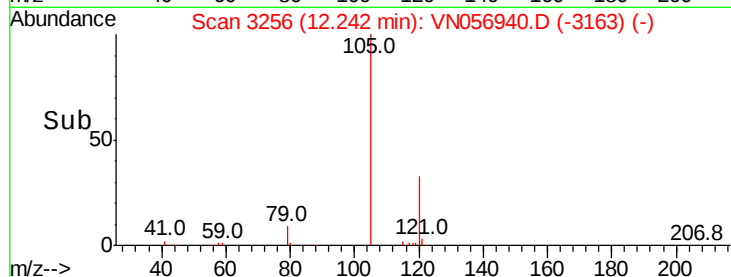
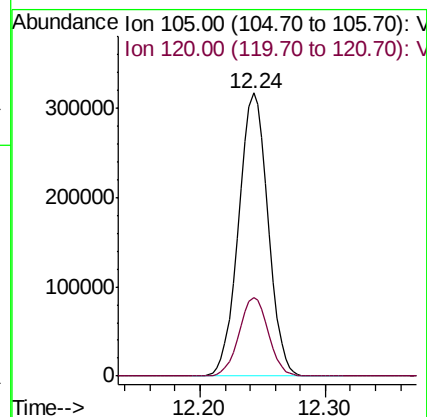
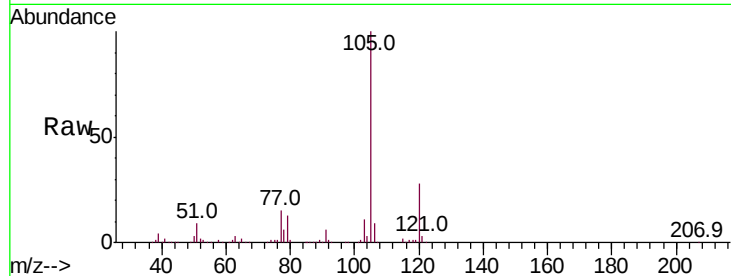
120 27.5 13.5 40.5

Manual Integrations

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8/2/2019 9:13:09 AM



#74

N-ethyl acetate

Concen: 16.899 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Tgt Ion: 43 Resp: 142709

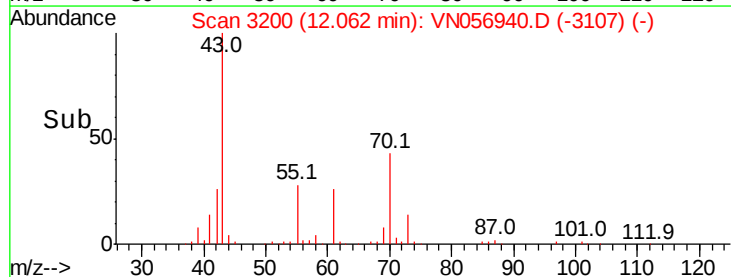
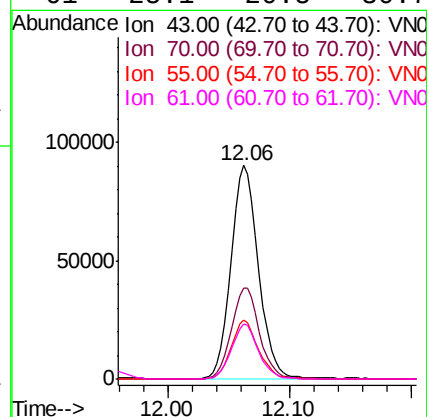
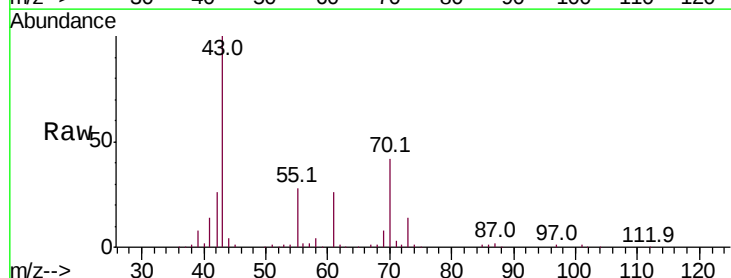
Ion Ratio Lower Upper

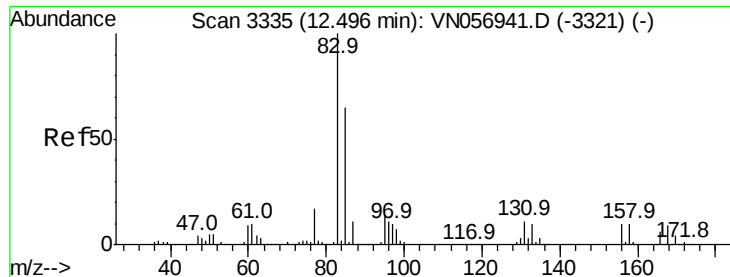
43 100

70 43.4 36.5 54.7

55 27.3 21.4 32.0

61 25.1 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 17.069 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Instrument :

MSVOA_N

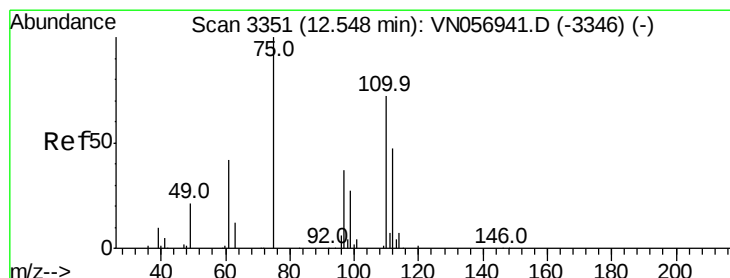
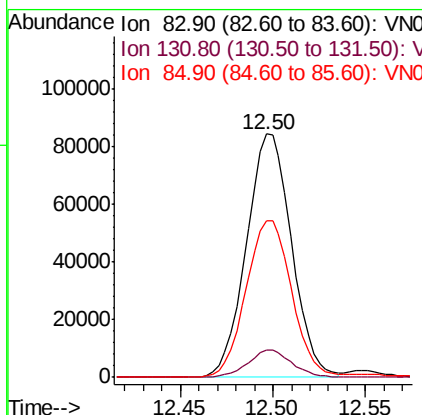
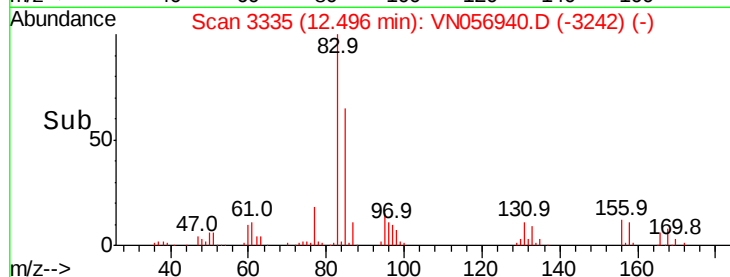
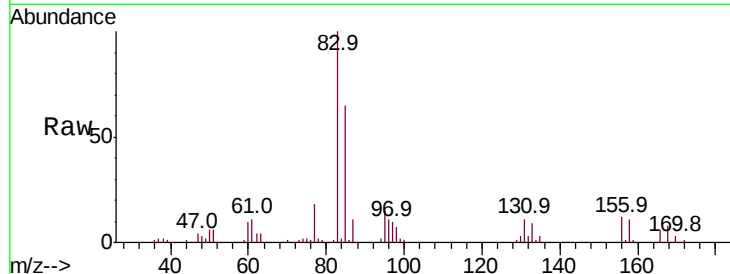
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	142240
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	16.1
85	65.4	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.225 ug/l m

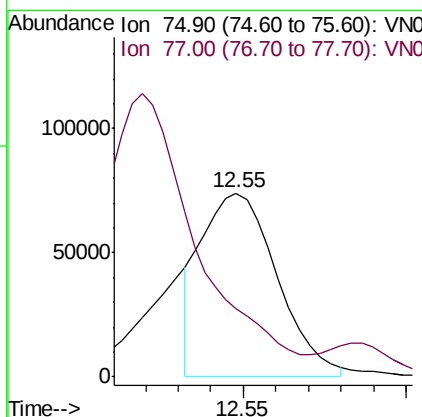
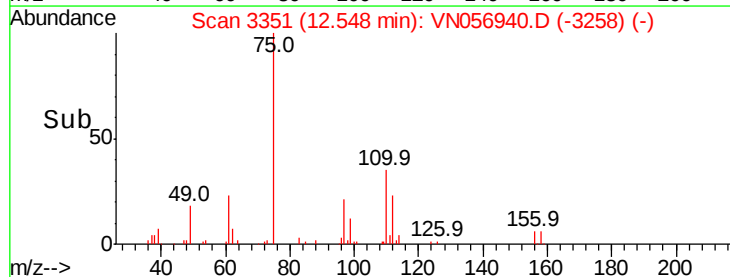
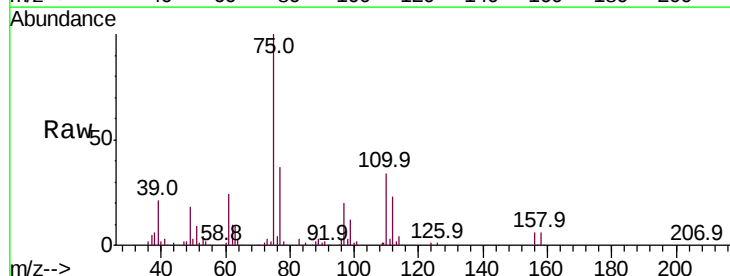
RT: 12.55 min Scan# 3351

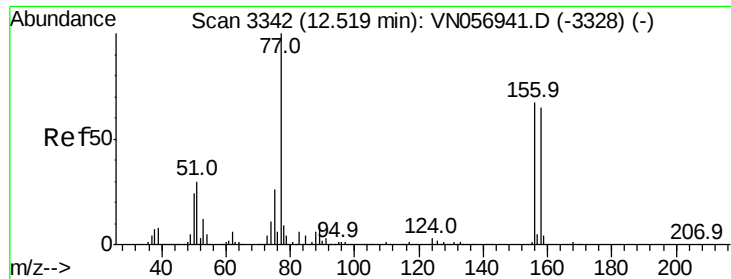
Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Tgt Ion:	75	Resp:	120108
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.472 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Instrument :

MSVOA_N

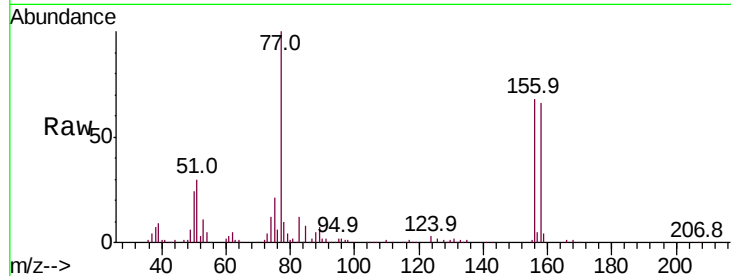
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	135281
Ion Ratio	Lower	Upper	
156	100		
77	173.1	89.5	268.5
158	95.8	48.4	145.3

Manual Integrations
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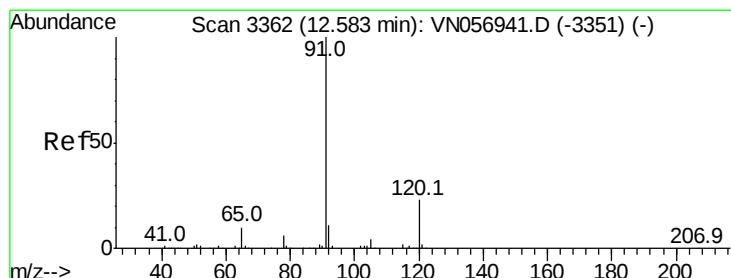
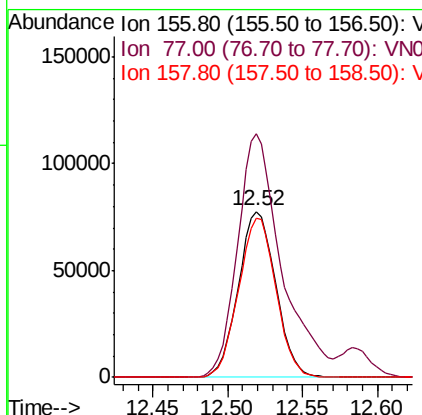
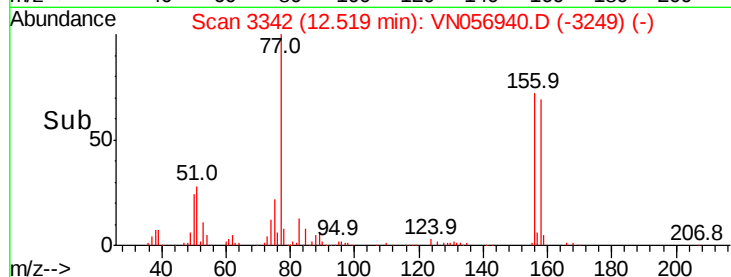
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.421 ug/l

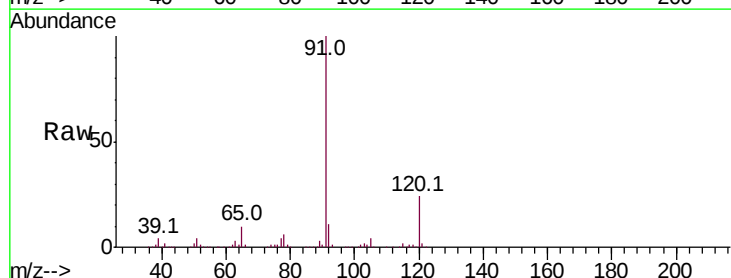
RT: 12.58 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN056940.D

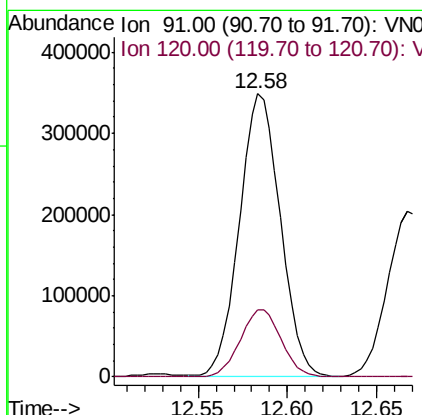
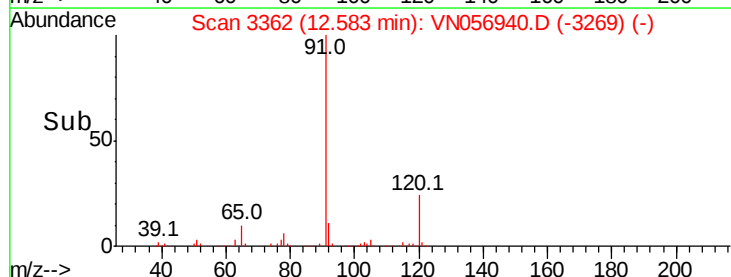
Acq: 26 Jul 2019 10:00

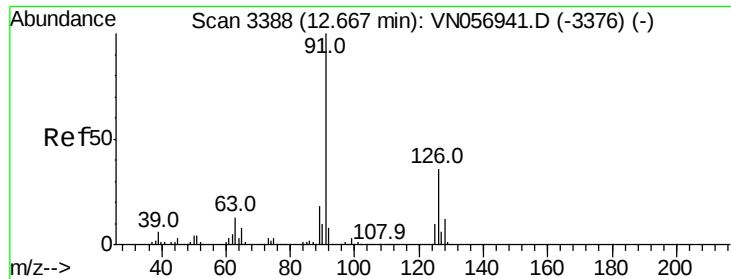
Tgt Ion:	91	Resp:	556613
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.026 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 339093

Ion Ratio Lower Upper

91 100

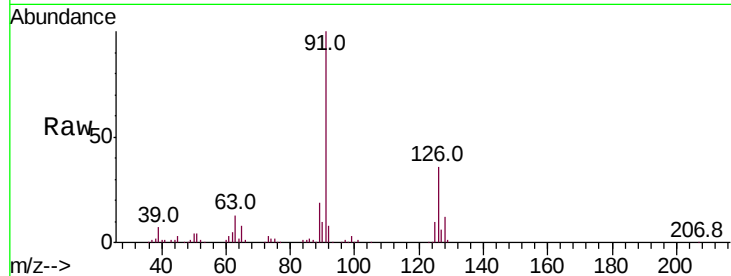
126 36.0 17.9 53.7

Manual Integrations

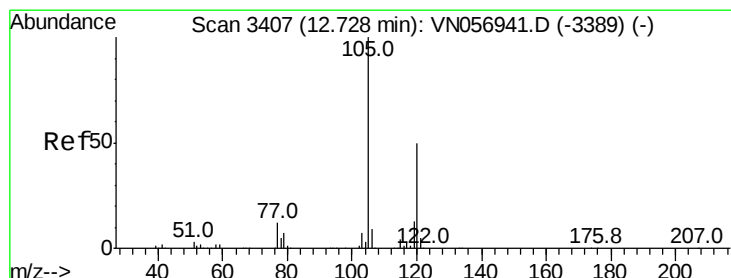
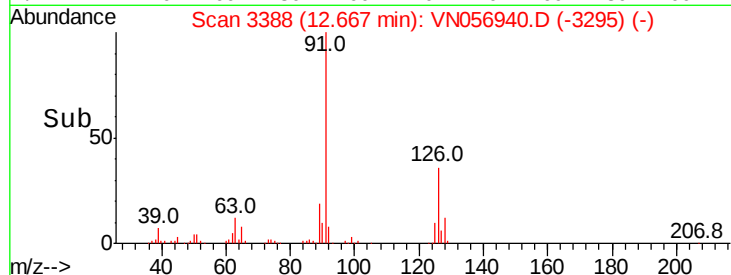
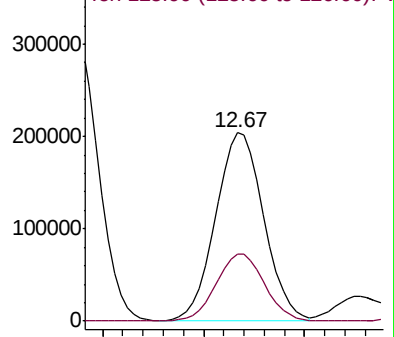
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Abundance Ion 91.00 (90.70 to 91.70): VN056940.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.307 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN056940.D

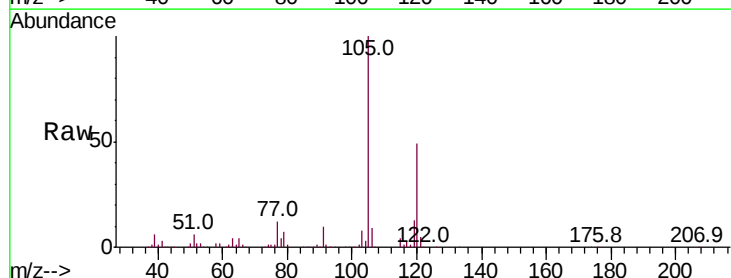
Acq: 26 Jul 2019 10:00

Tgt Ion: 105 Resp: 432349

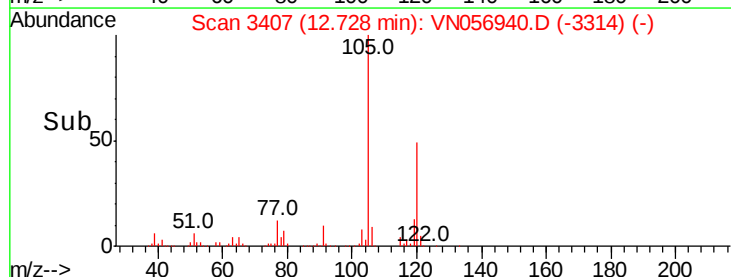
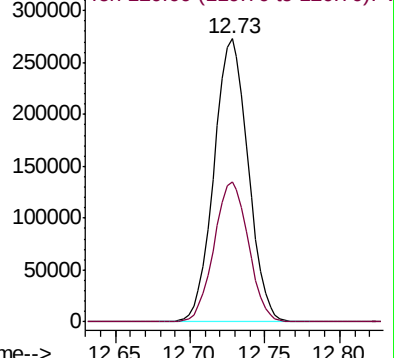
Ion Ratio Lower Upper

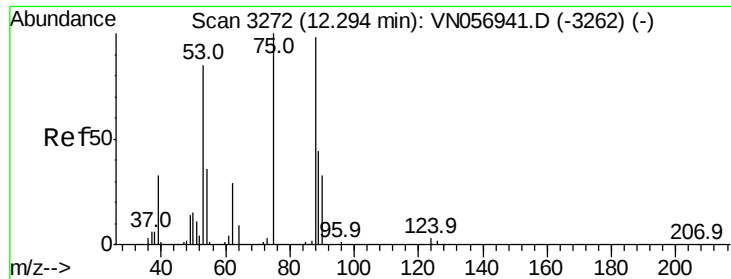
105 100

120 49.9 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056940.D (-3389) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.108 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Instrument :

MSVOA_N

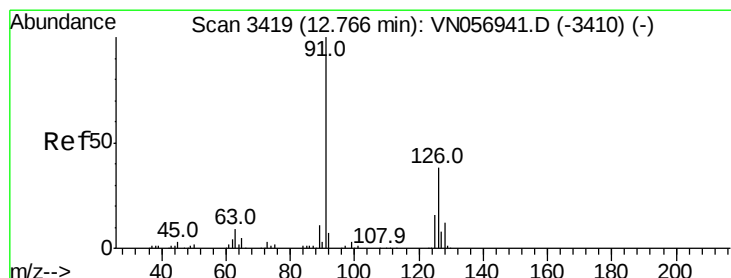
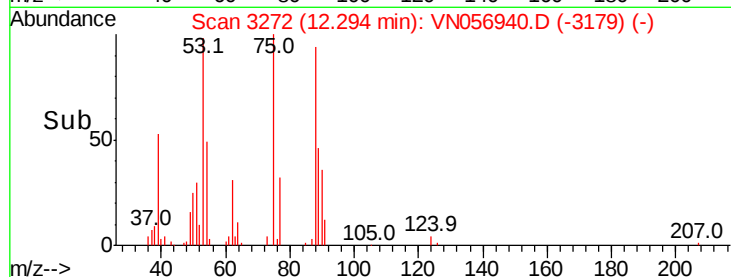
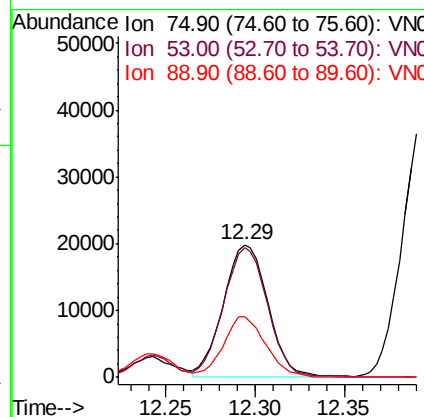
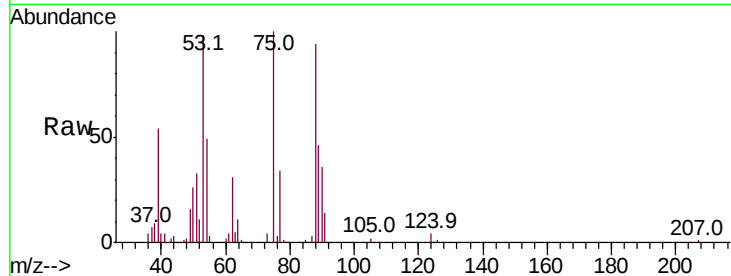
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	34661
Ion	Ratio	Lower	Upper
75	100		
53	94.9	69.3	103.9
89	43.1	35.8	53.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.811 ug/l

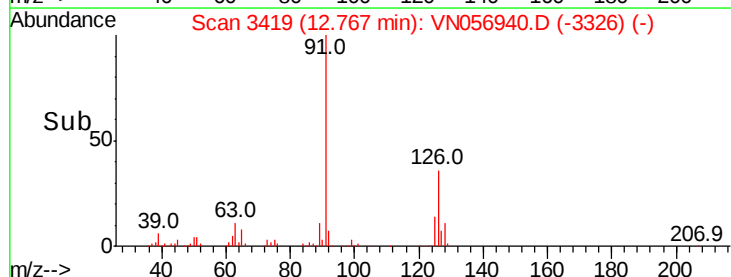
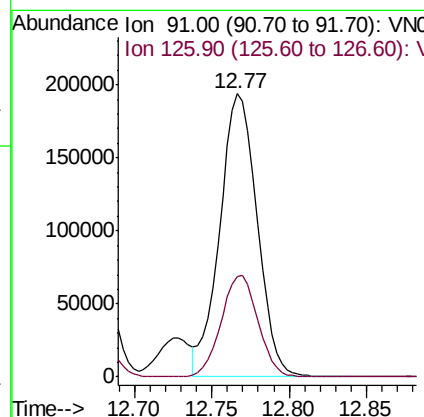
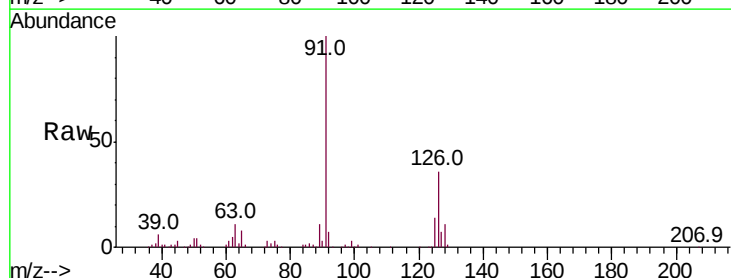
RT: 12.77 min Scan# 3419

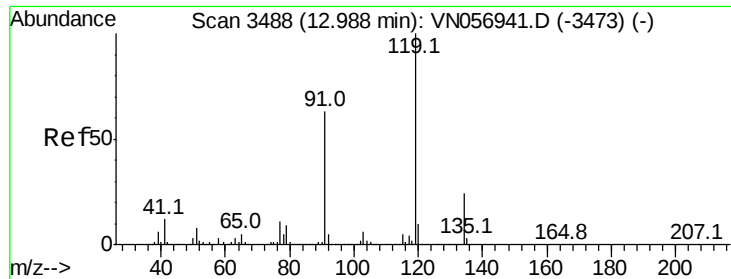
Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Tgt Ion:	91	Resp:	324738
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.5	52.5





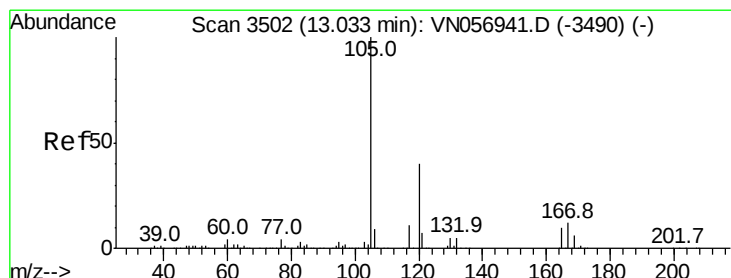
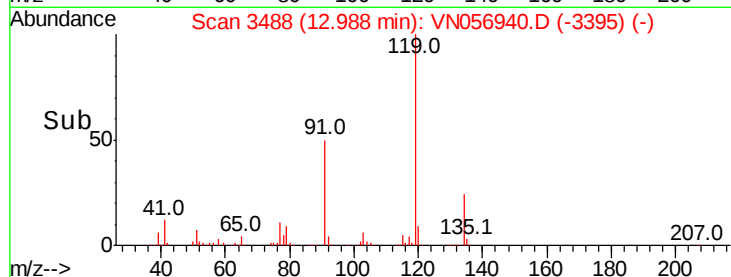
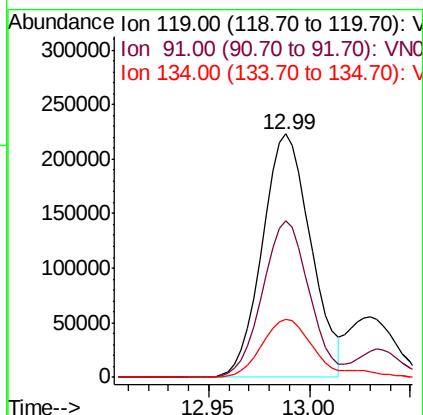
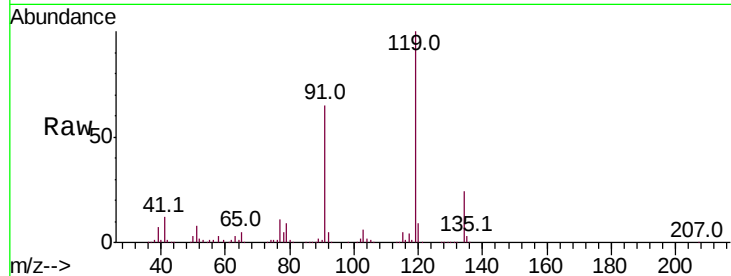
#83
tert-Butylbenzene
Concen: 17.932 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.0	31.3	93.8
134	26.1	13.3	39.8

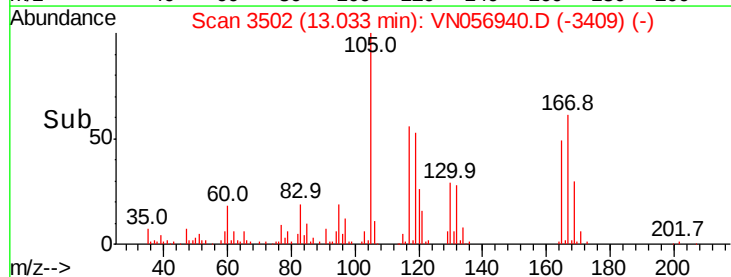
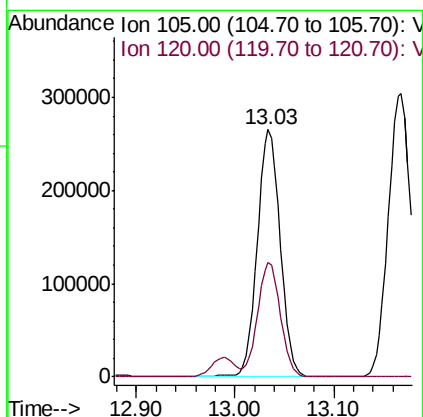
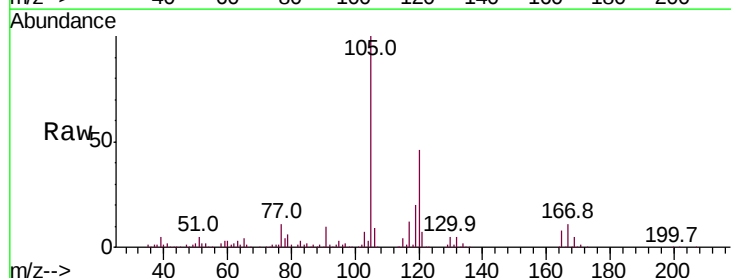
Manual Integrations
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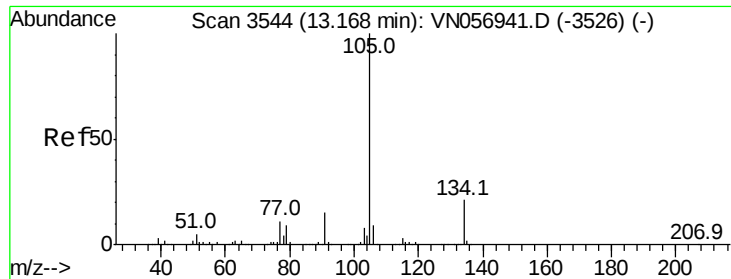
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#84
1,2,4-Trimethylbenzene
Concen: 18.955 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.2	69.6





#85

sec-Butylbenzene

Concen: 18.606 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 489553

Ion Ratio Lower Upper

105 100

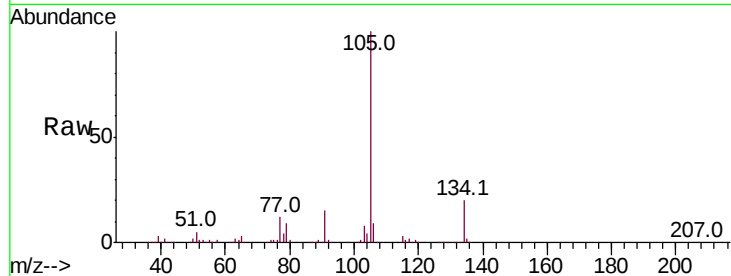
134 20.5 10.3 30.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

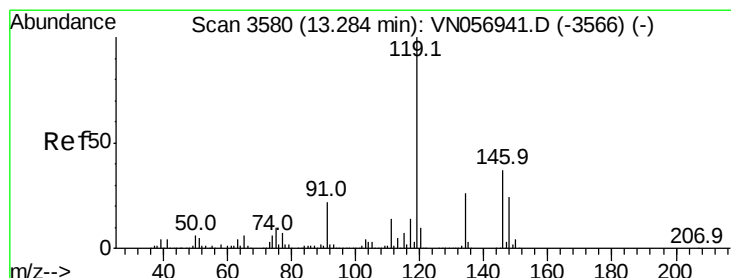
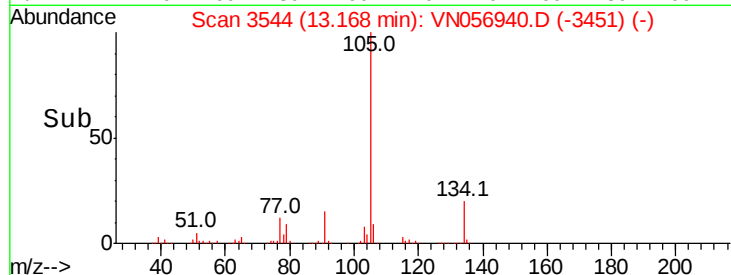
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.748 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

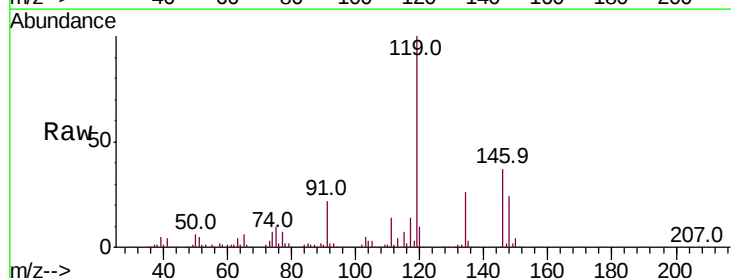
Tgt Ion:119 Resp: 436475

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 22.3 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

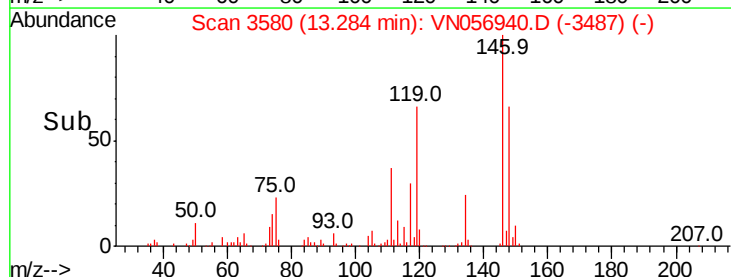
300000

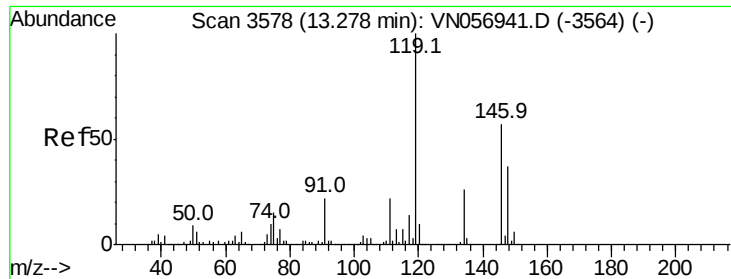
200000

100000

0

Time-->





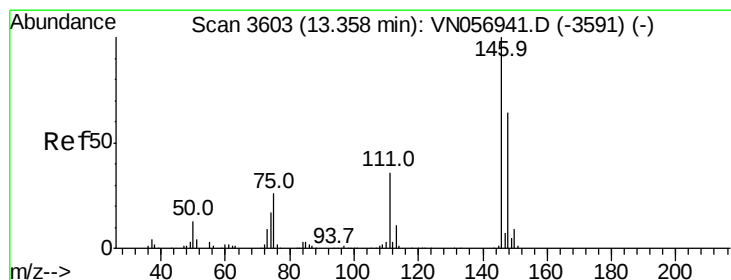
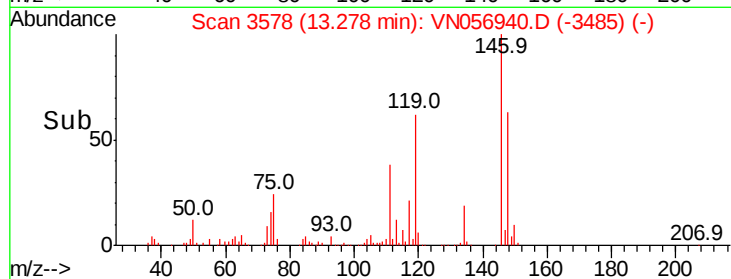
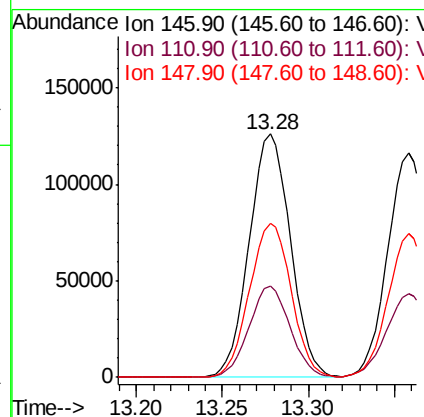
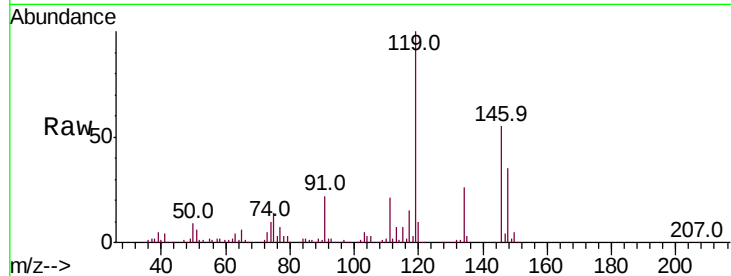
#87
 1,3-Dichlorobenzene
 Concen: 19.208 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN056940.D
 Acq: 26 Jul 2019 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	210164		
111	37.3	18.6	55.8	
148	63.9	32.2	96.6	

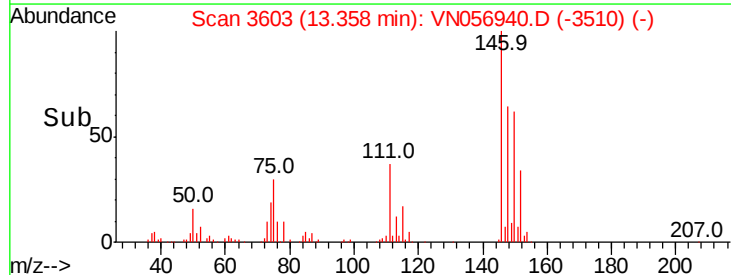
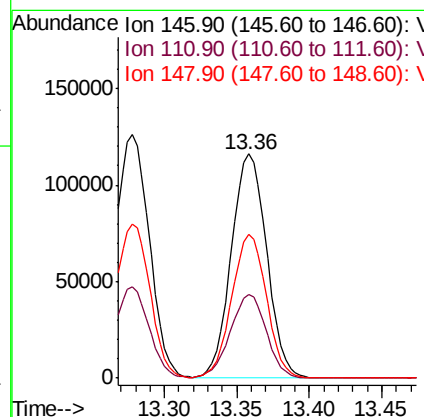
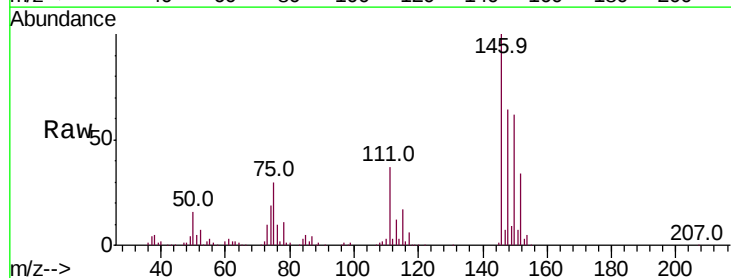
Manual Integrations
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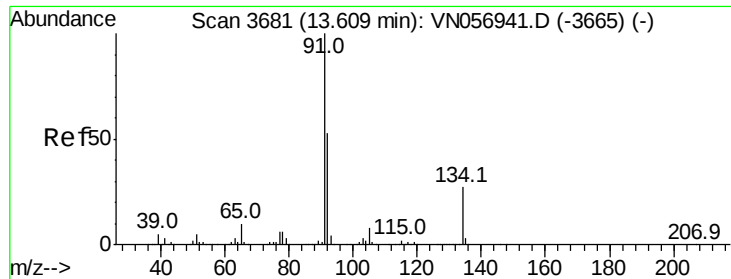
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 8/2/2019 9:13:09 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.744 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN056940.D
 Acq: 26 Jul 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	196969		
111	38.1	18.4	55.2	
148	62.9	32.3	96.9	





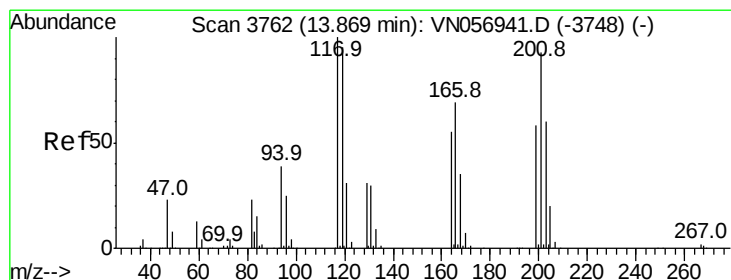
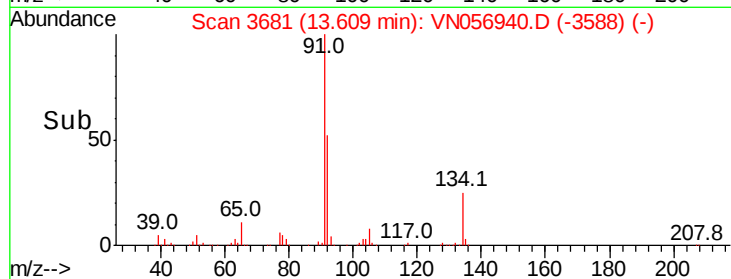
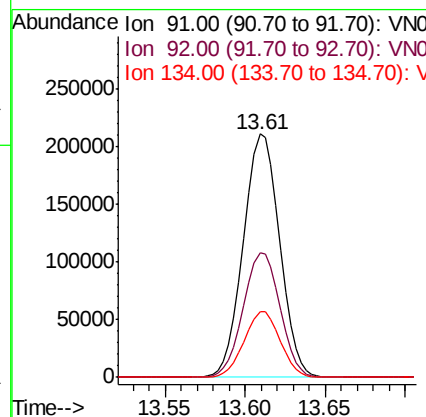
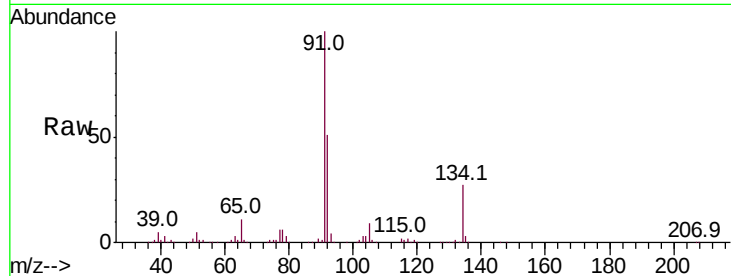
#89
n-Butylbenzene
Concen: 18.107 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.9	26.2	78.5	
134	26.8	13.5	40.4	

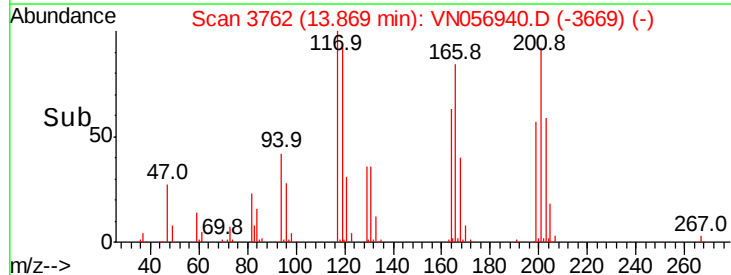
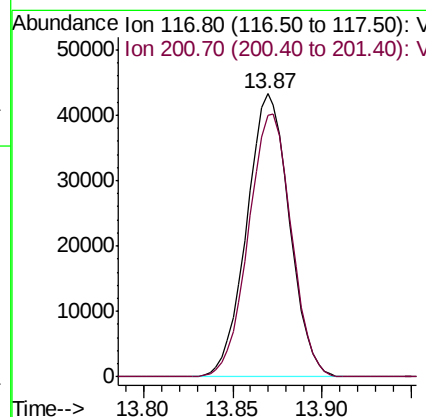
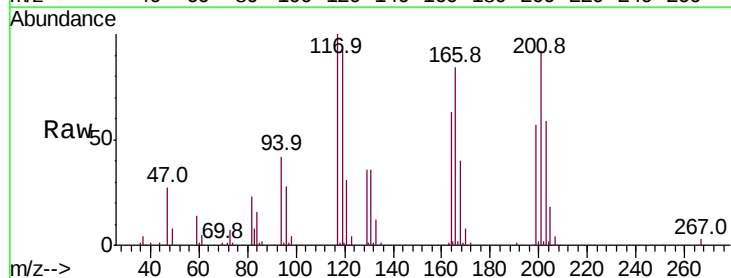
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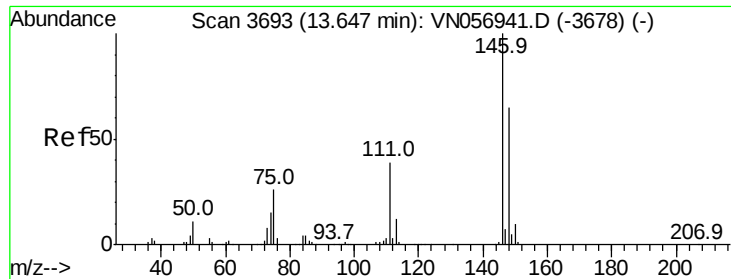
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#90
Hexachloroethane
Concen: 17.449 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN056940.D
Acq: 26 Jul 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	93.1	47.0	141.2	





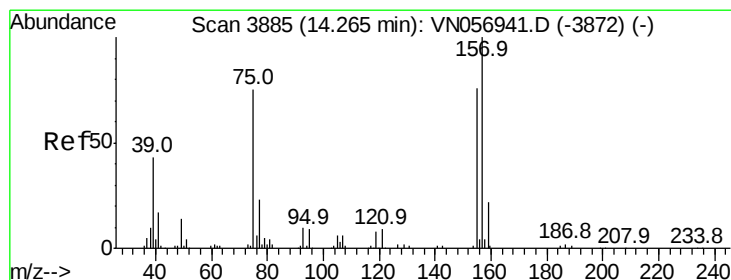
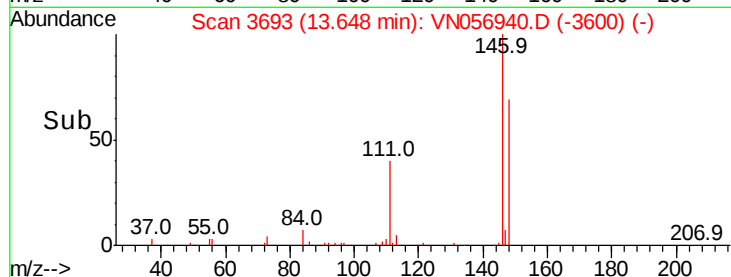
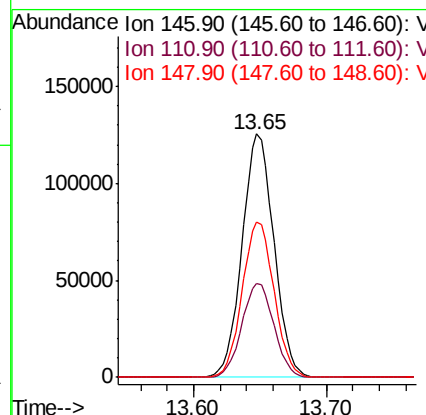
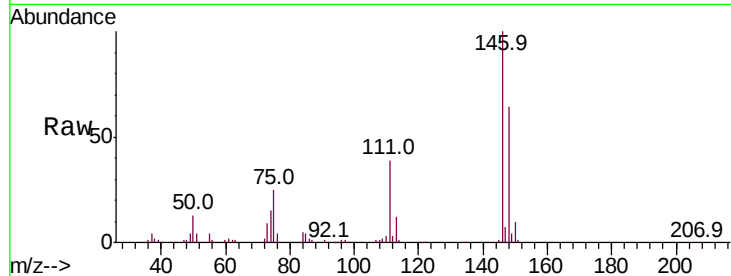
#91
 1,2-Dichlorobenzene
 Concen: 18.871 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN056940.D
 Acq: 26 Jul 2019 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.4
148	63.9	32.2	96.6

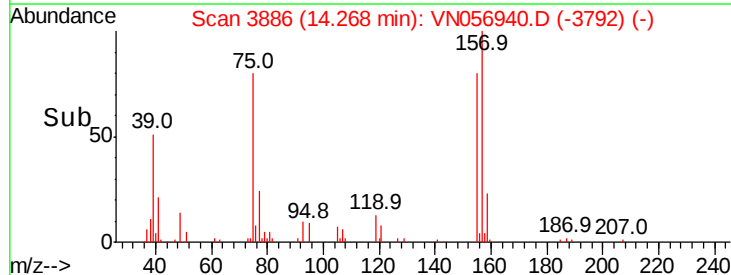
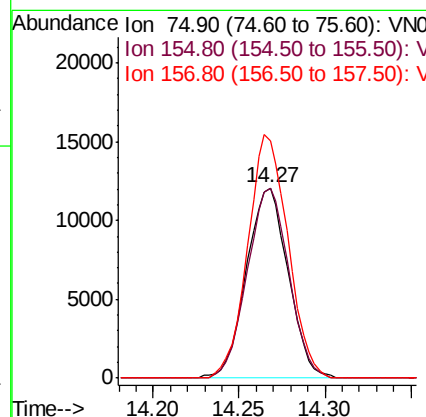
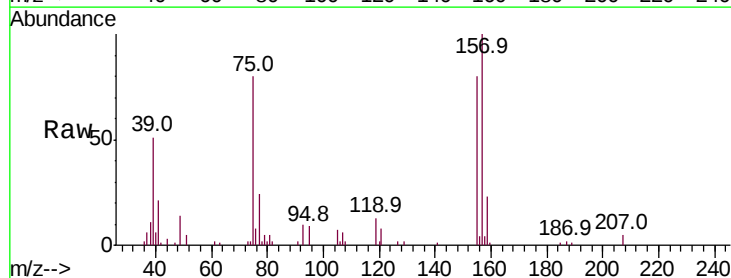
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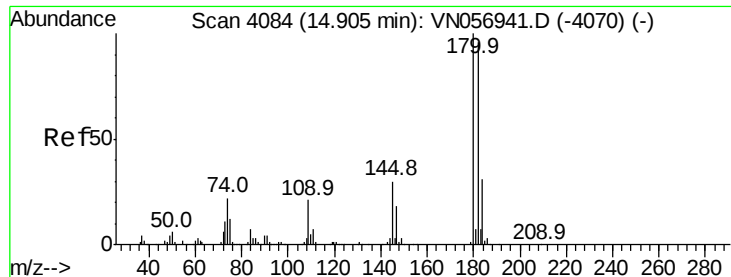
MMDadoda
 8/2/2019 9:13:09 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.900 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056940.D
 Acq: 26 Jul 2019 10:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.2	50.2	150.6
157	122.8	65.1	195.4





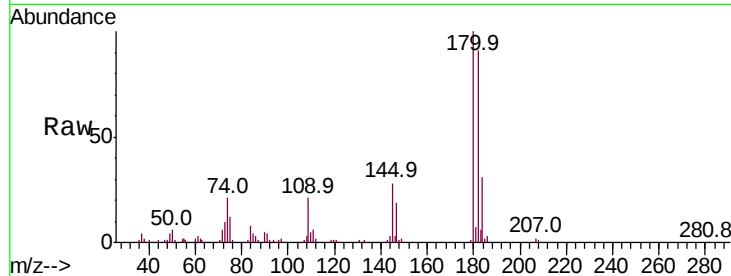
#93
 1,2,4-Trichlorobenzene
 Concen: 19.284 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056940.D
 Acq: 26 Jul 2019 10:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

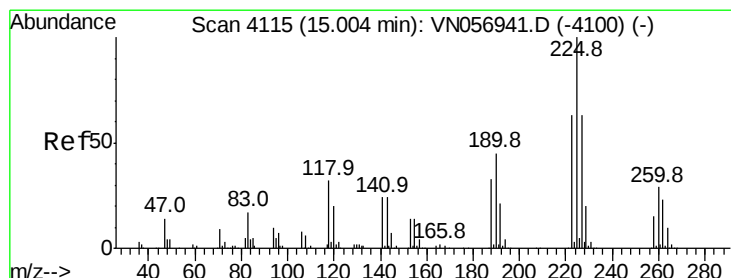
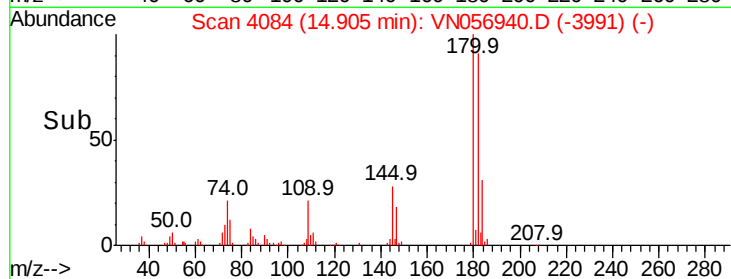
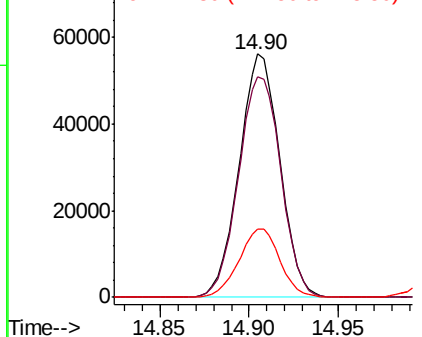
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.4	47.6	142.8	
145	28.2	14.2	42.8	

Manual Integrations
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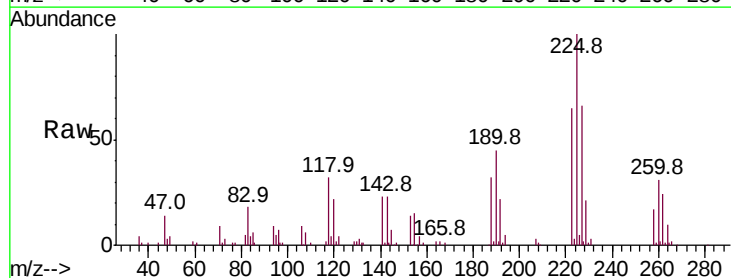


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

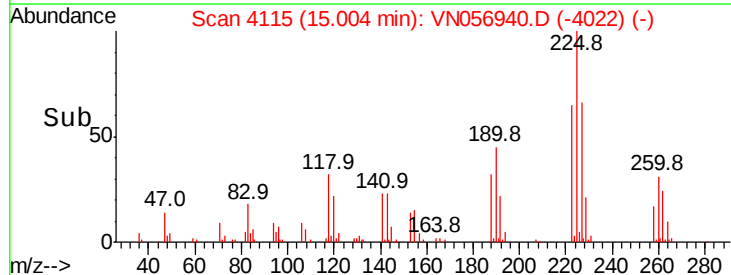
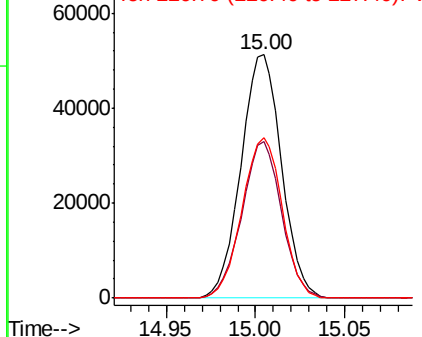


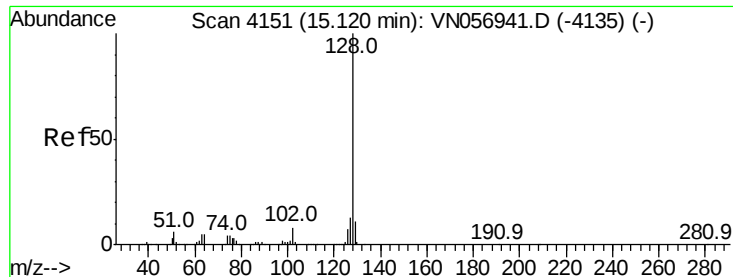
#94
 Hexachlorobutadiene
 Concen: 18.042 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN056940.D
 Acq: 26 Jul 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	30.8	92.4	
227	65.1	31.1	93.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 15.969 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Instrument :

MSVOA_N

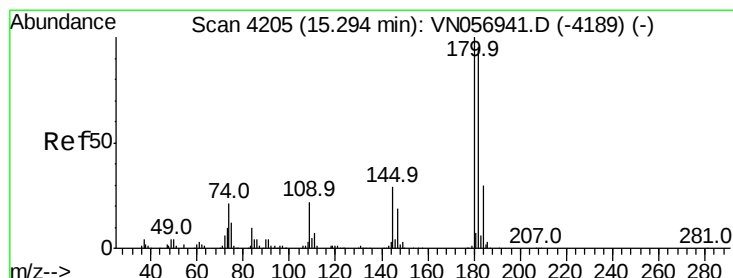
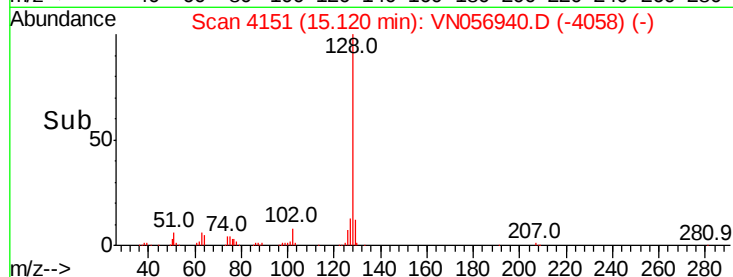
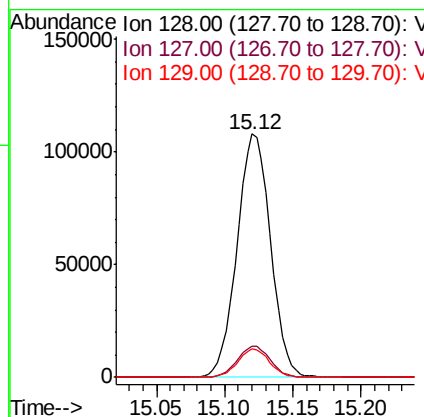
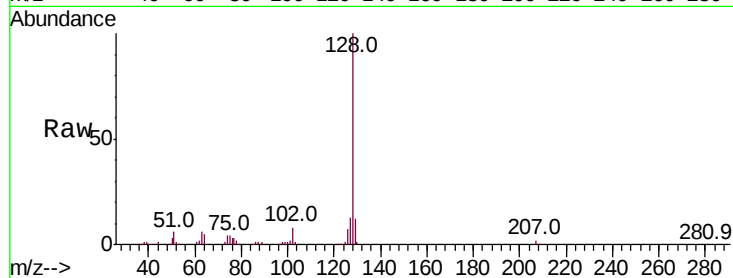
ClientSampled :

VSTDIC020

Tot Ion:	128	Resp:	184131
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.0	15.0
129	11.0	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.117 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN056940.D

Acq: 26 Jul 2019 10:00

Tgt Ion:	180	Resp:	94981
Ion Ratio	Lower	Upper	
180	100		
182	94.2	48.0	144.2
145	30.4	15.0	45.0

