

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080219\
 Data File : VN057059.D
 Acq On : 2 Aug 2019 12:22
 Operator : JC/SP
 Sample : VN0802WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 2:16:50 PM

Quant Time: Aug 03 04:49:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	462924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	677391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	599002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	218708	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	240466	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
35) Dibromofluoromethane	7.58	113	219728	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
50) Toluene-d8	10.08	98	821051	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	12.40	95	252457	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	95689	20.447	ug/l	99
3) Chloromethane	2.05	50	102731	18.332	ug/l	99
4) Vinyl Chloride	2.18	62	97576	18.569	ug/l	100
5) Bromomethane	2.55	94	60692	18.579	ug/l	98
6) Chloroethane	2.69	64	52226	18.030	ug/l	98
7) Trichlorofluoromethane	3.00	101	140270	20.393	ug/l	99
8) Diethyl Ether	3.40	74	52205	20.279	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	82669	19.385	ug/l	99
10) Methyl Iodide	3.94	142	110533	19.397	ug/l	98
11) Tert butyl alcohol	4.77	59	68674	107.216	ug/l	99
12) 1,1-Dichloroethene	3.73	96	79276	19.483	ug/l	96
13) Acrolein	3.60	56	23888	70.906	ug/l	100
14) Allyl chloride	4.31	41	123795	18.703	ug/l	98
15) Acrylonitrile	4.97	53	192319	102.387	ug/l	97
16) Acetone	3.81	43	152158	88.633	ug/l	99
17) Carbon Disulfide	4.04	76	183828	17.001	ug/l	99
18) Methyl Acetate	4.31	43	106602	19.465	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	246629	20.327	ug/l	99
20) Methylene Chloride	4.54	84	94100	19.029	ug/l	94
21) trans-1,2-Dichloroethene	5.03	96	83167	19.245	ug/l	96
22) Diisopropyl ether	5.94	45	269616	19.770	ug/l	97
23) Vinyl Acetate	5.88	43	930241	98.448	ug/l	99
24) 1,1-Dichloroethane	5.83	63	158538	19.703	ug/l	99
25) 2-Butanone	6.82	43	231896	95.262	ug/l	99
26) 2,2-Dichloropropane	6.81	77	118650	19.393	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	99492	19.465	ug/l	100
28) Bromochloromethane	7.18	49	69999	18.508	ug/l	96
29) Tetrahydrofuran	7.20	42	155877	98.143	ug/l	99
30) Chloroform	7.36	83	160503	19.509	ug/l	99
31) Cyclohexane	7.64	56	142619	18.316	ug/l	94
32) 1,1,1-Trichloroethane	7.56	97	134198	20.444	ug/l	98
36) 1,1-Dichloropropene	7.78	75	112331	18.846	ug/l	98
37) Ethyl Acetate	6.92	43	94775	19.853	ug/l	98
38) Carbon Tetrachloride	7.76	117	113514	20.133	ug/l	95

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Quant Time: Aug 03 04:49:12 2019
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 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	137850	18.095	ug/l	97
40) Benzene	8.03	78	364559	19.858	ug/l	100
41) Methacrylonitrile	7.16	41	47501	21.524	ug/l	90
42) 1,2-Dichloroethane	8.11	62	117256	20.379	ug/l	99
43) Isopropyl Acetate	8.16	43	154545	19.586	ug/l	93
44) Trichloroethene	8.82	130	102289	20.224	ug/l	96
45) 1,2-Dichloropropane	9.11	63	97272	19.809	ug/l	98
46) Dibromomethane	9.20	93	61505	20.769	ug/l	98
47) Bromodichloromethane	9.39	83	116479	20.005	ug/l	99
48) Methyl methacrylate	9.19	41	73803	19.374	ug/l	96
49) 1,4-Dioxane	9.19	88	32330	411.820	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	468966	100.031	ug/l	100
52) Toluene	10.15	92	222306	20.154	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	120841	20.000	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	139371	19.839	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	87782	19.845	ug/l	96
56) Ethyl methacrylate	10.42	69	121108	19.252	ug/l	100
57) 1,3-Dichloropropane	10.70	76	146876	20.024	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	193730	73.085	ug/l	97
59) 2-Hexanone	10.74	43	322904	91.044	ug/l	99
60) Dibromochloromethane	10.90	129	94549	20.863	ug/l	100
61) 1,2-Dibromoethane	11.00	107	90835	21.042	ug/l	98
64) Tetrachloroethene	10.63	164	104679	20.279	ug/l	97
65) Chlorobenzene	11.43	112	237360	19.442	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	93282	20.300	ug/l	99
67) Ethyl Benzene	11.51	91	406875	19.283	ug/l	98
68) m/p-Xylenes	11.62	106	304591	39.115	ug/l	100
69) o-Xylene	11.94	106	150664	19.776	ug/l	99
70) Styrene	11.96	104	240116	19.033	ug/l	100
71) Bromoform	12.12	173	64415	20.079	ug/l #	99
73) Isopropylbenzene	12.25	105	404372	21.393	ug/l	100
74) N-amyl acetate	12.07	43	114456	20.854	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	114689	22.606	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	101078m	22.757	ug/l	
77) Bromobenzene	12.52	156	104690	21.222	ug/l	98
78) n-propylbenzene	12.59	91	411386	20.384	ug/l	99
79) 2-Chlorotoluene	12.67	91	257258	20.701	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	338143	21.797	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	28687	20.752	ug/l	96
82) 4-Chlorotoluene	12.77	91	234869	20.196	ug/l	99
83) tert-Butylbenzene	12.99	119	303081	22.069	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	317771	21.288	ug/l	99
85) sec-Butylbenzene	13.17	105	369385	20.853	ug/l	99
86) p-Isopropyltoluene	13.29	119	325992	20.728	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	147075	19.600	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	138203	19.131	ug/l	100
89) n-Butylbenzene	13.61	91	224718	18.540	ug/l	99
90) Hexachloroethane	13.87	117	57503	21.234	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	151182	20.470	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15271	20.313	ug/l	99

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Instrument :
MSVOA_N
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Manual Integrations
APPROVED

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Quant Time: Aug 03 04:49:12 2019
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Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48611	14.779	ug/l	98
94) Hexachlorobutadiene	15.00	225	62458	22.376	ug/l	98
95) Naphthalene	15.12	128	117461	15.321	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	57276	16.317	ug/l	98

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

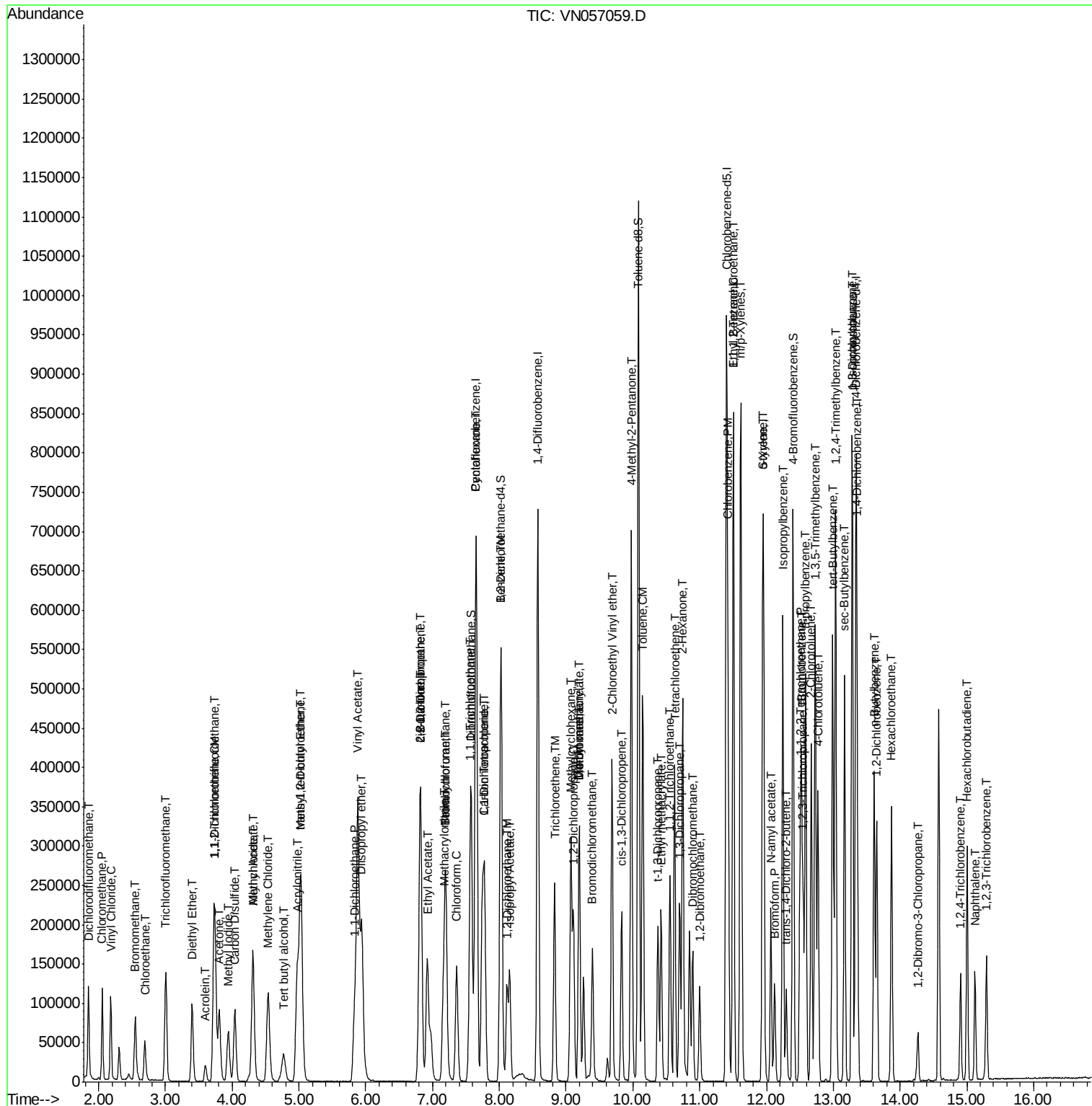
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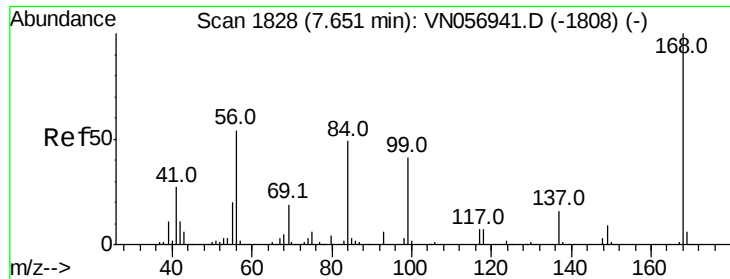
Instrument :
MSVOA_N
Client Sample ID :
VN0802WBSD01

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

Tot Ion:168 Resp: 462924

Ion Ratio Lower Upper

168 100

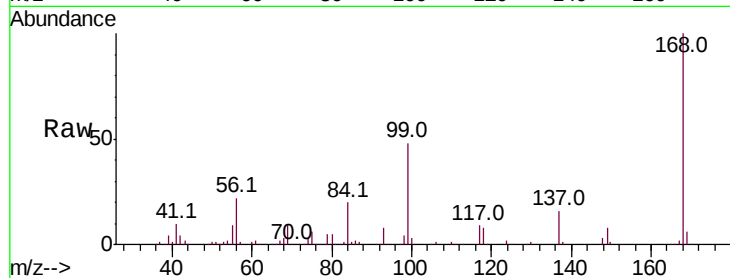
99 48.2 39.0 58.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

150000

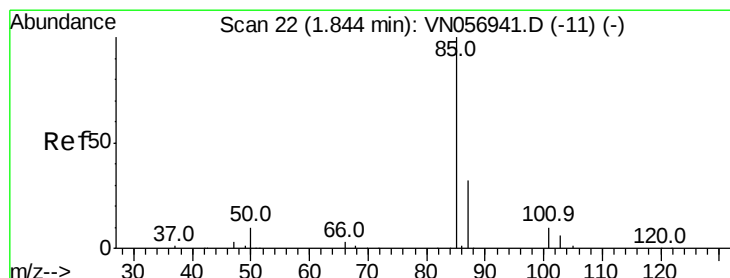
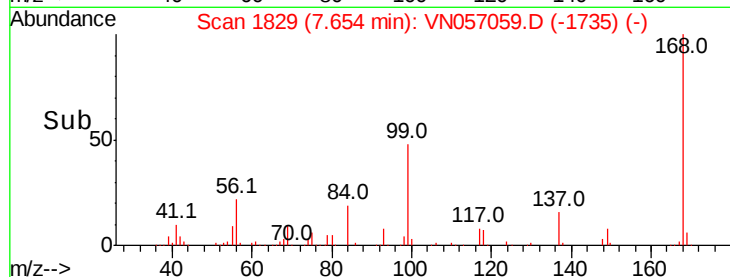
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.447 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057059.D

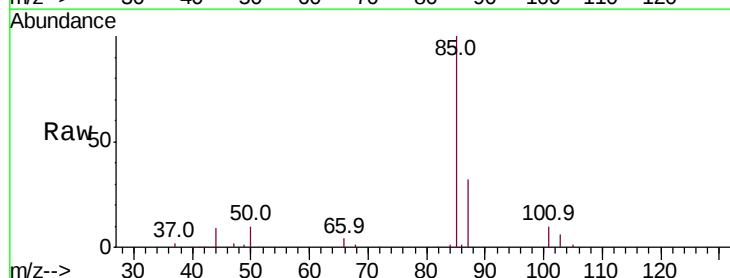
Acq: 2 Aug 2019 12:22

Tgt Ion: 85 Resp: 95689

Ion Ratio Lower Upper

85 100

87 32.1 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

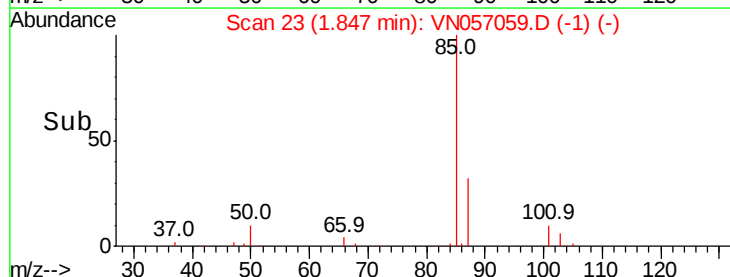
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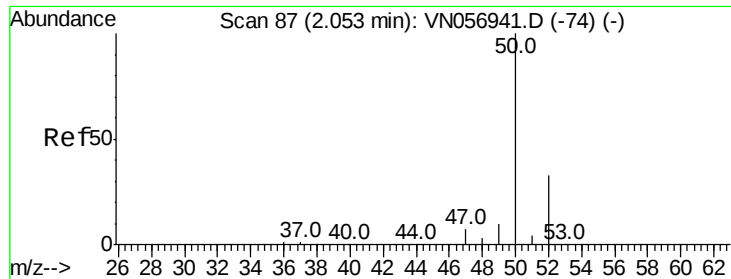
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0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.332 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

Tot Ion: 50 Resp: 102731

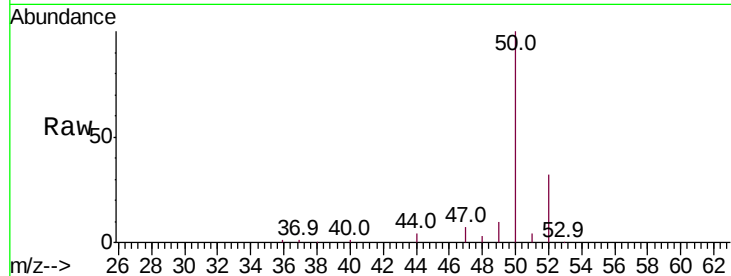
Ion Ratio Lower Upper

50 100

52 32.1 26.2 39.2

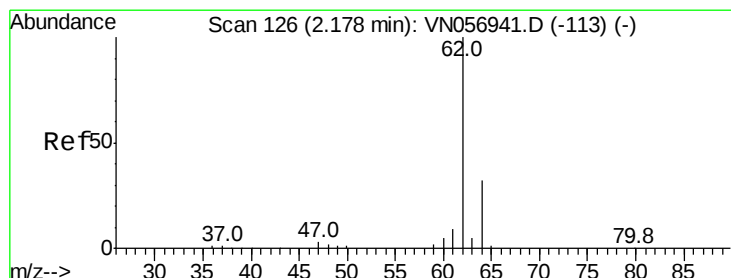
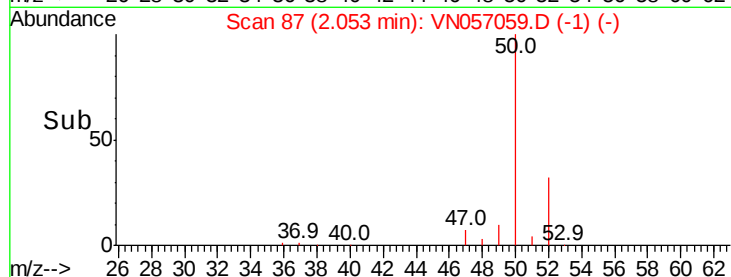
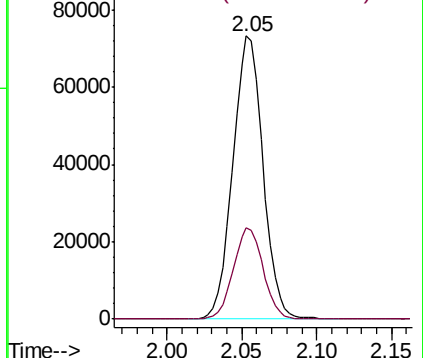
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 18.569 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057059.D

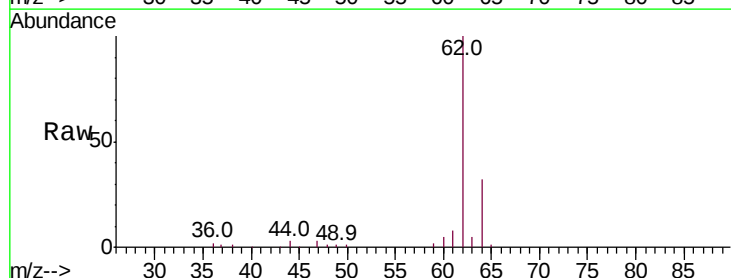
Acq: 2 Aug 2019 12:22

Tgt Ion: 62 Resp: 97576

Ion Ratio Lower Upper

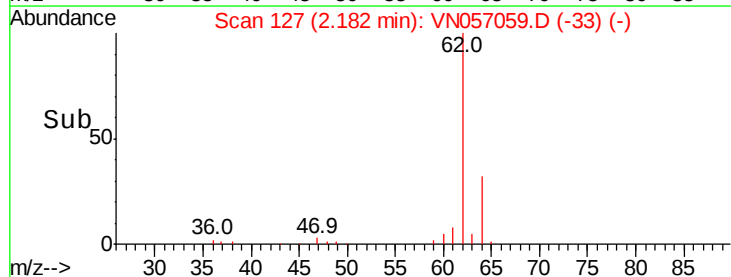
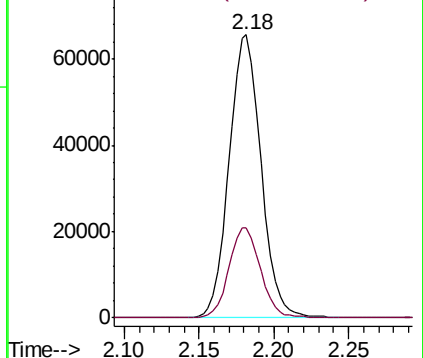
62 100

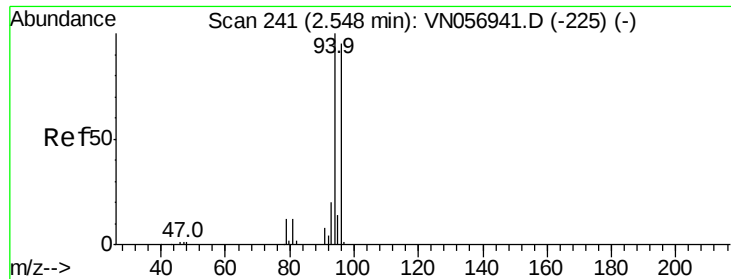
64 31.8 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 18.579 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

Tot Ion: 94 Resp: 60692

Ion Ratio Lower Upper

94 100

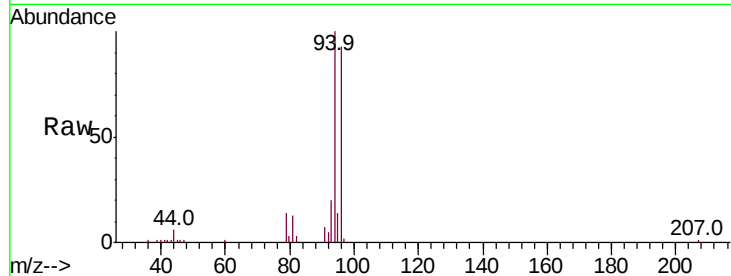
96 93.2 76.2 114.2

Manual Integrations

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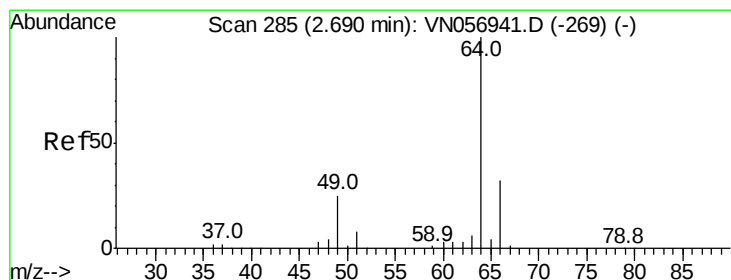
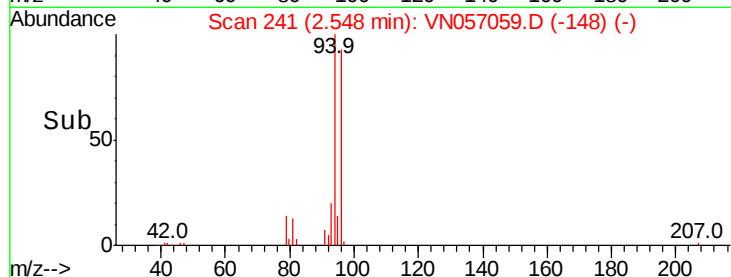
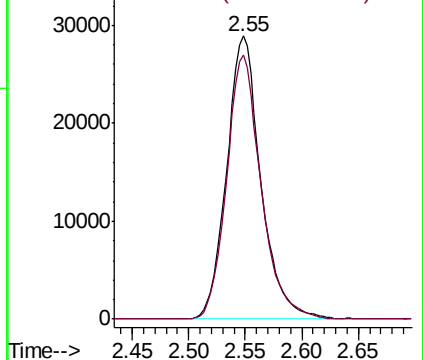
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.030 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN057059.D

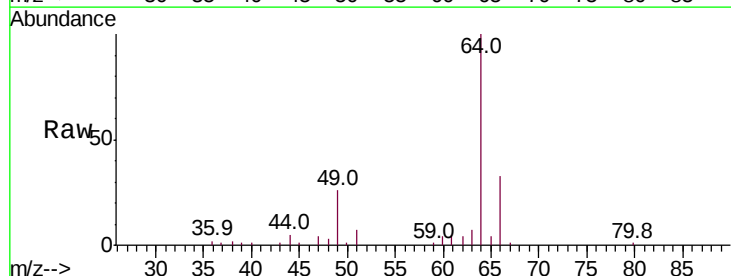
Acq: 2 Aug 2019 12:22

Tgt Ion: 64 Resp: 52226

Ion Ratio Lower Upper

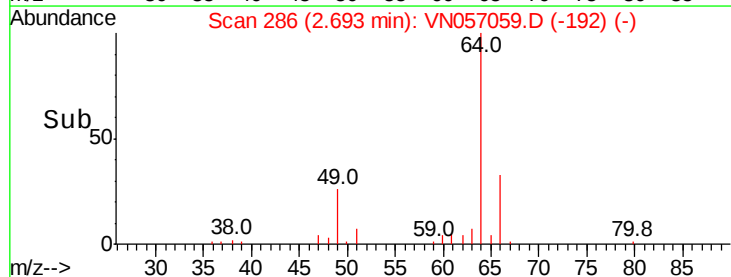
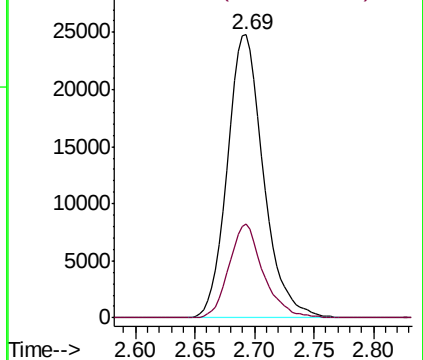
64 100

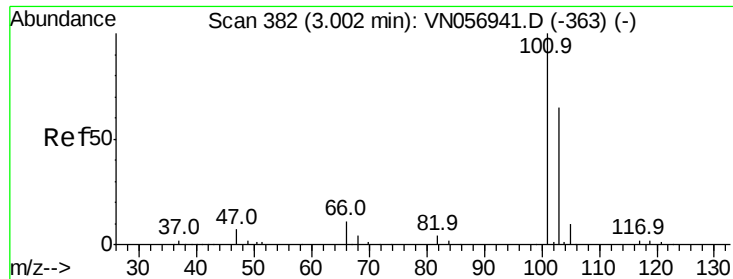
66 33.3 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

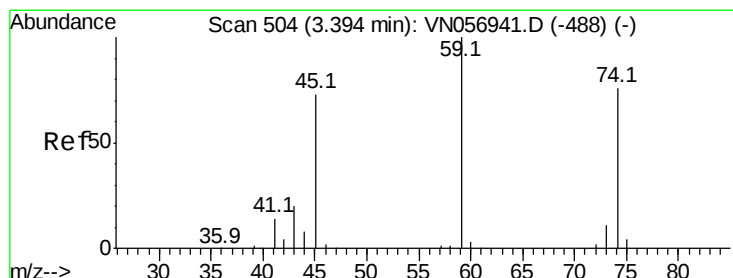
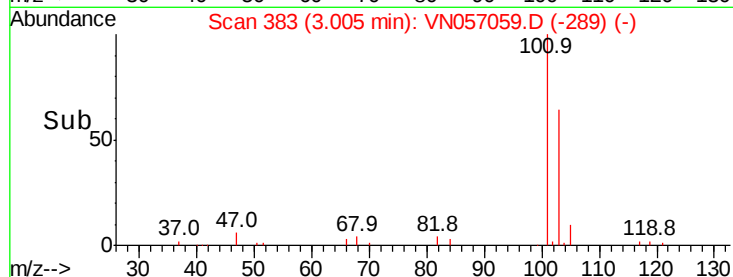
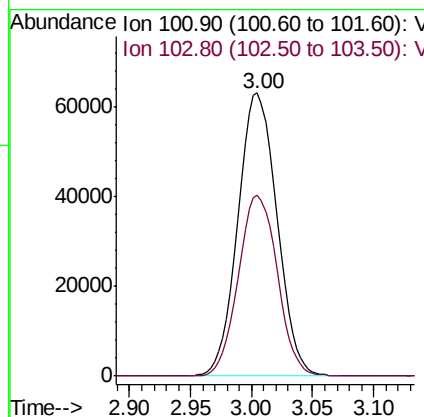
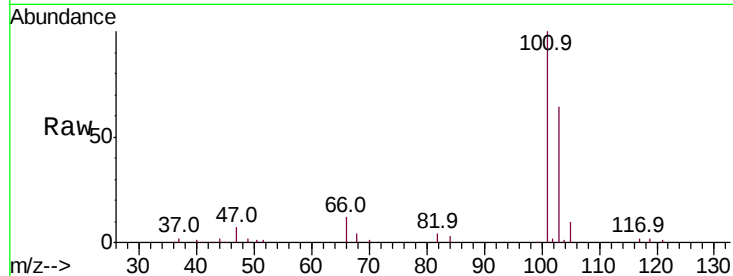
Trichlorofluoromethane
Concen: 20.393 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Instrument :
MSVOA_N
ClientSampled :
VN0802WBSD01

Tot Ion:101 Resp: 140270
Ion Ratio Lower Upper
101 100
103 64.1 52.1 78.1

Manual Integrations
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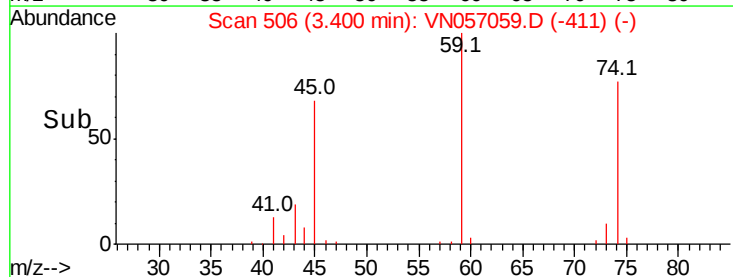
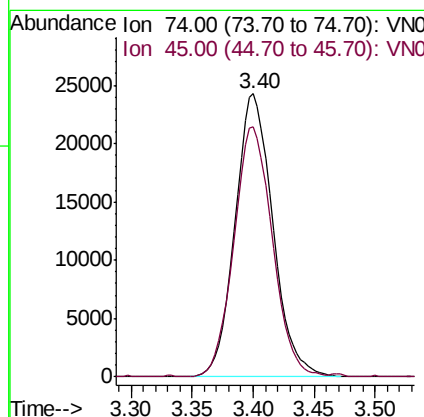
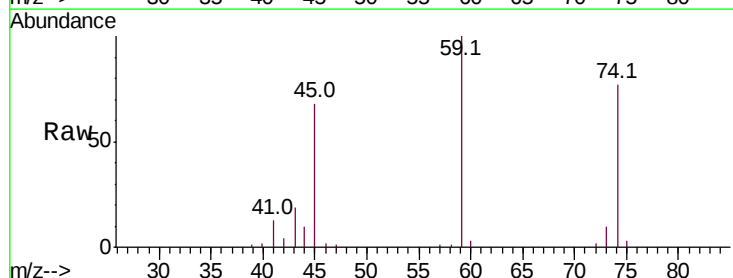
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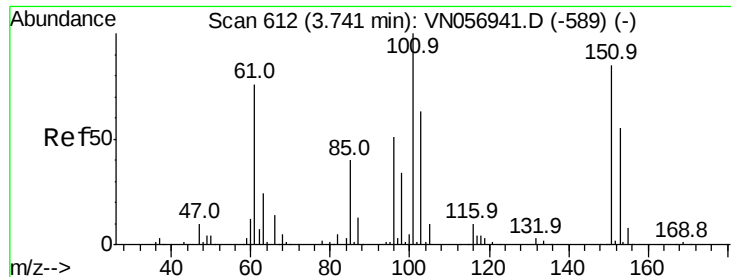


#8

Diethyl Ether
Concen: 20.279 ug/l
RT: 3.40 min Scan# 506
Delta R.T. 0.01 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion: 74 Resp: 52205
Ion Ratio Lower Upper
74 100
45 89.9 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.385 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

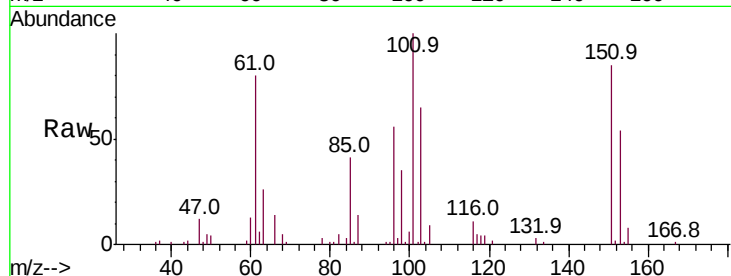
ClientSampled :

VN0802WBSD01

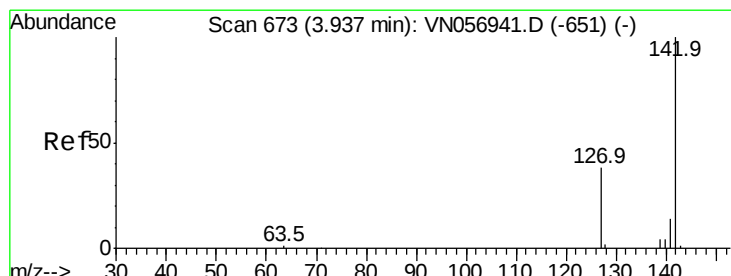
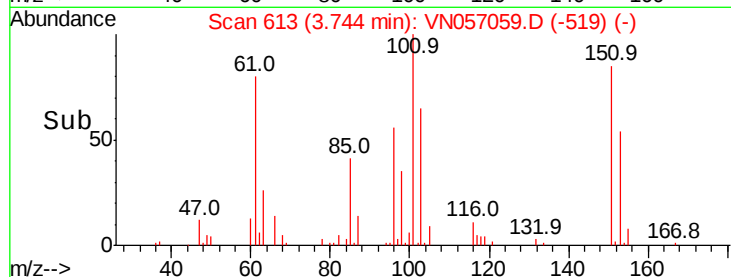
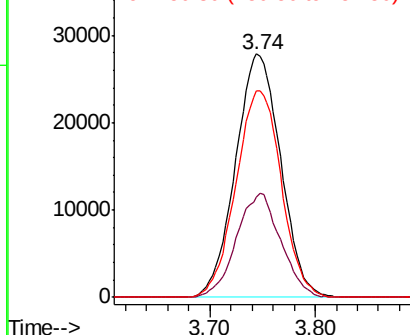
Tot Ion:	101	Resp:	82669
Ion Ratio	Lower	Upper	
101	100		
85	41.9	32.3	48.5
151	85.5	68.0	102.0

Manual Integrations
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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: 19.397 ug/l

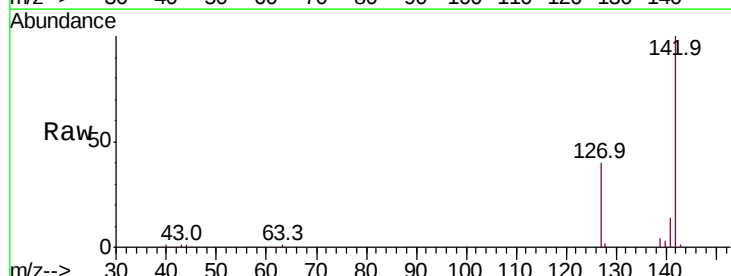
RT: 3.94 min Scan# 675

Delta R.T. 0.01 min

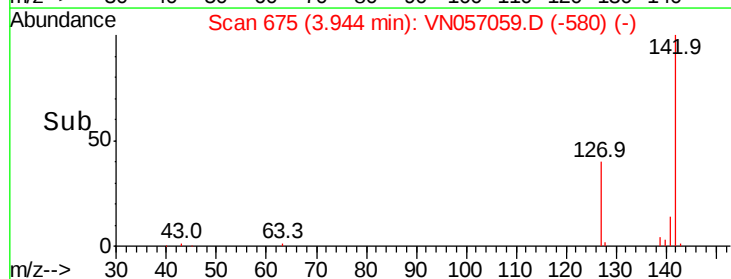
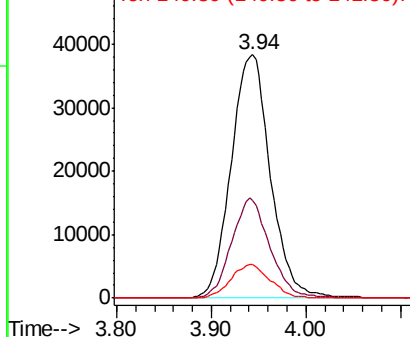
Lab File: VN057059.D

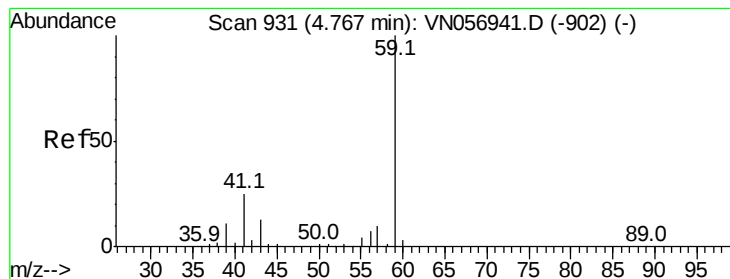
Acq: 2 Aug 2019 12:22

Tgt Ion:	142	Resp:	110533
Ion Ratio	Lower	Upper	
142	100		
127	39.8	30.4	45.6
141	13.7	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

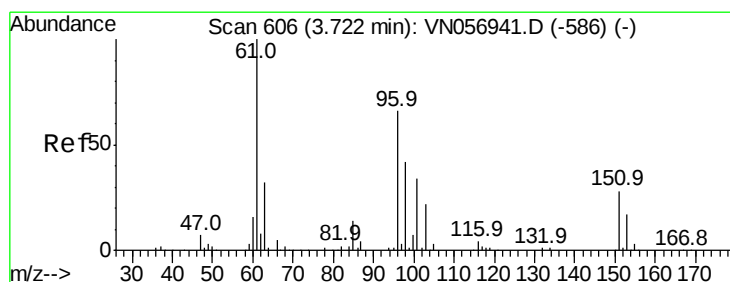
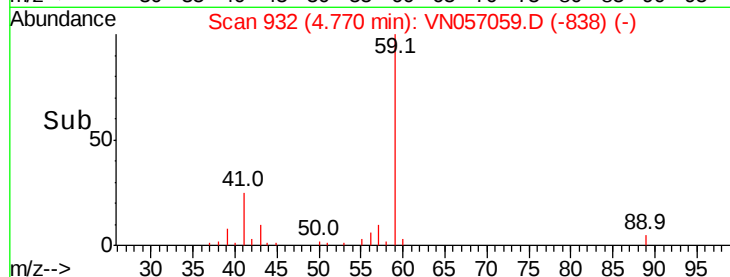
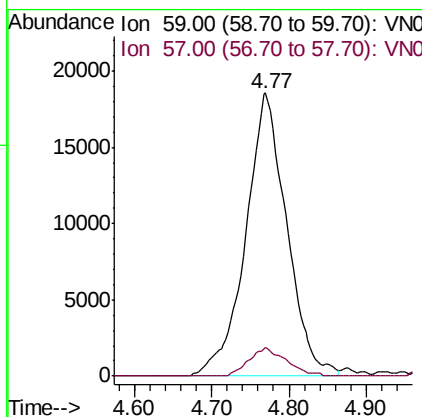
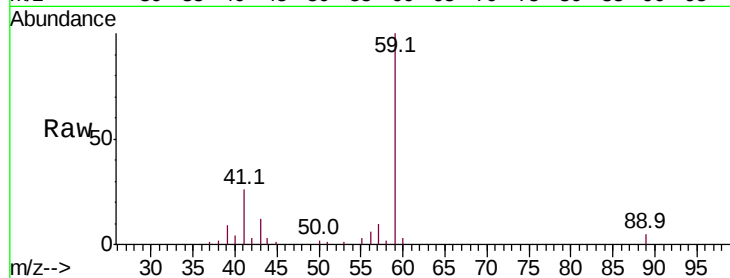
Tert butyl alcohol
 Concen: 107.216 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.5	11.3

Manual Integrations
 APPROVED

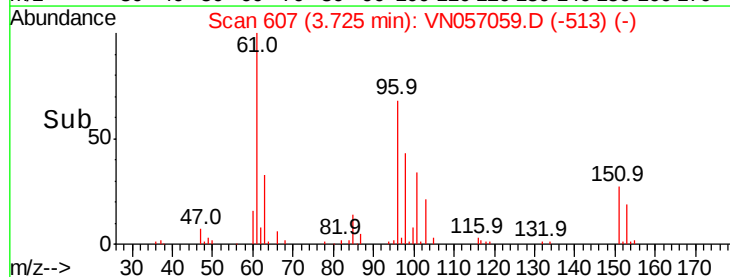
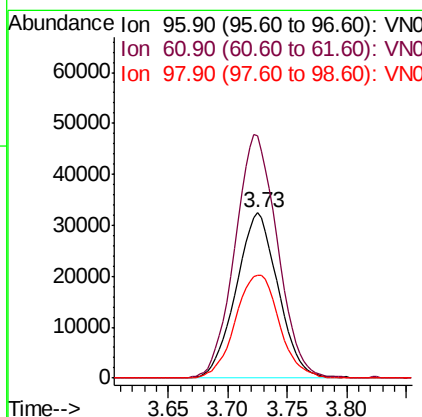
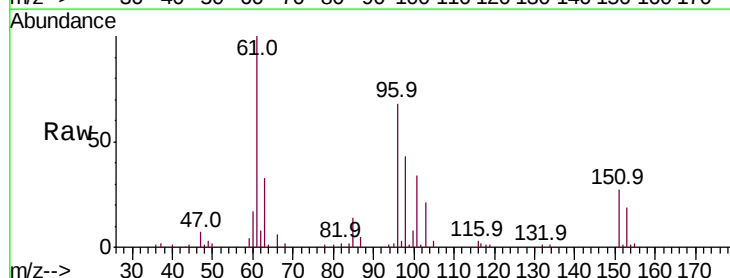
MMDadoda
 8/6/2019 2:16:50 PM

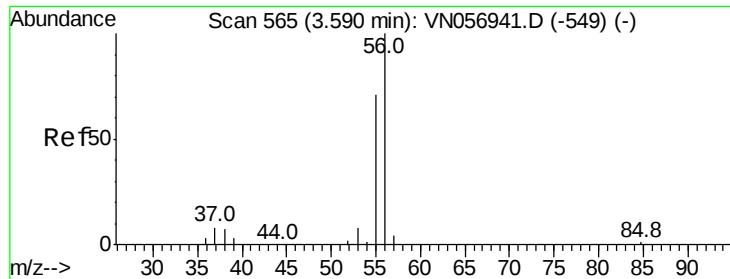


#12

1,1-Dichloroethene
 Concen: 19.483 ug/l
 RT: 3.73 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.3	121.8	182.8
98	62.4	51.7	77.5





#13

Acrolein

Concen: 70.906 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.01 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

Tot Ion: 56 Resp: 23888

Ion Ratio Lower Upper

56 100

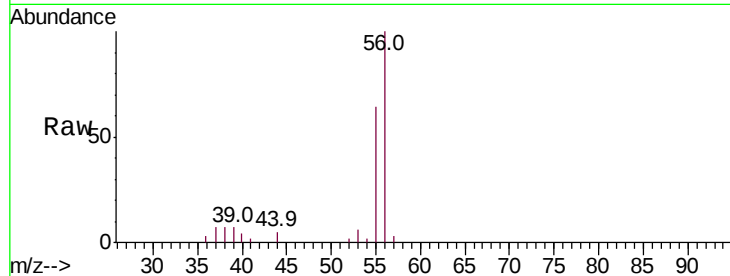
55 69.4 55.8 83.6

Manual Integrations

APPROVED

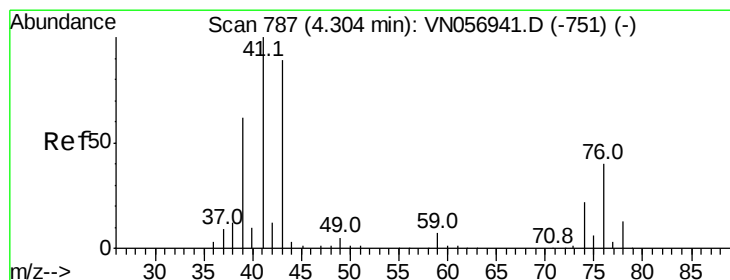
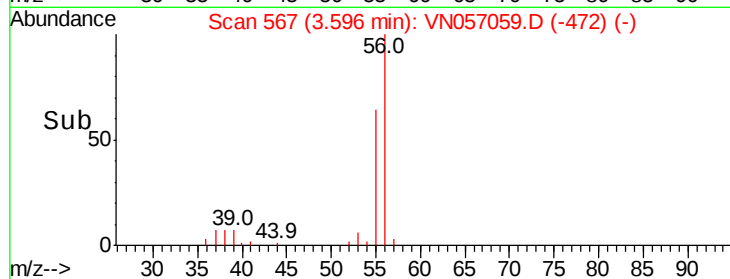
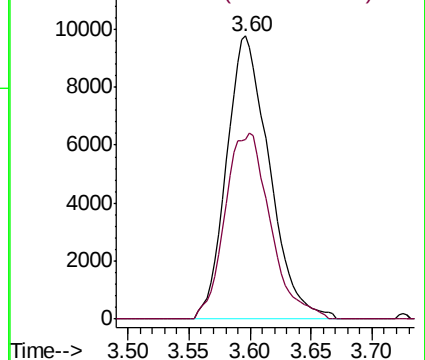
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.703 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.01 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

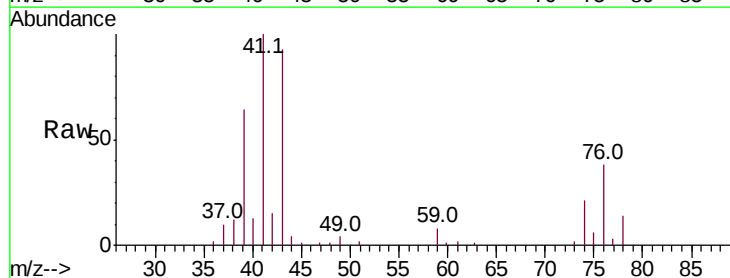
Tgt Ion: 41 Resp: 123795

Ion Ratio Lower Upper

41 100

39 60.2 46.4 69.6

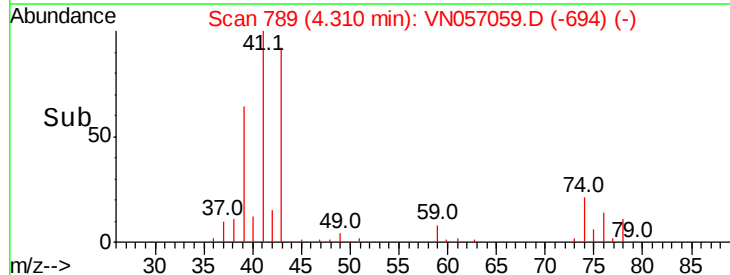
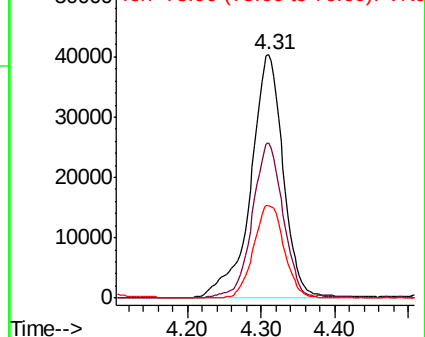
76 35.7 28.4 42.6

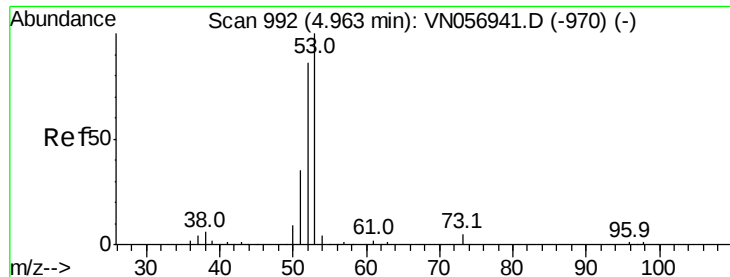


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 102.387 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.01 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

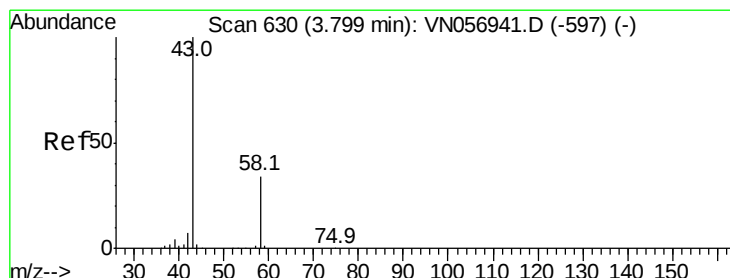
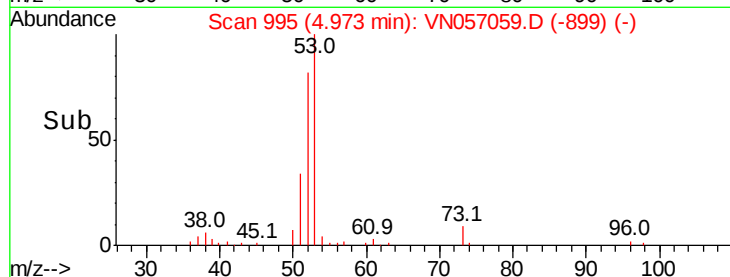
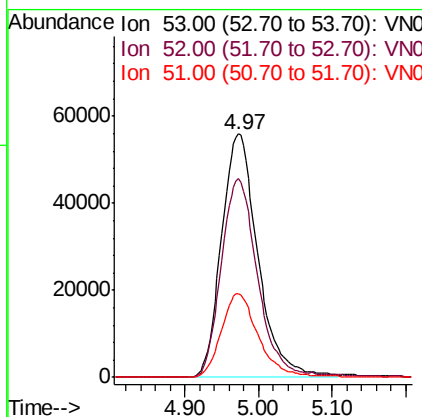
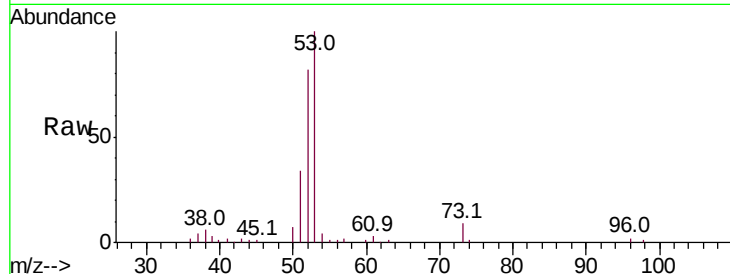
ClientSampleId :

VN0802WBSD01

Tot Ion:	53	Resp:	192319
Ion	Ratio	Lower	Upper
53	100		
52	80.5	66.5	99.7
51	34.6	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 88.633 ug/l

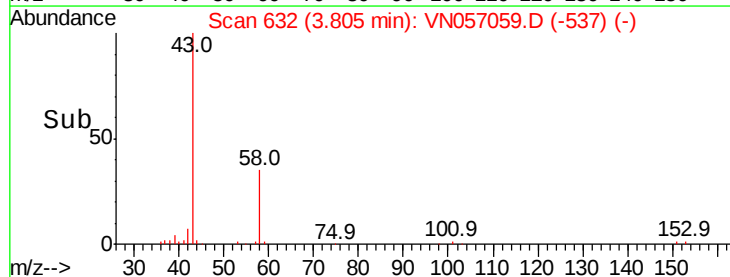
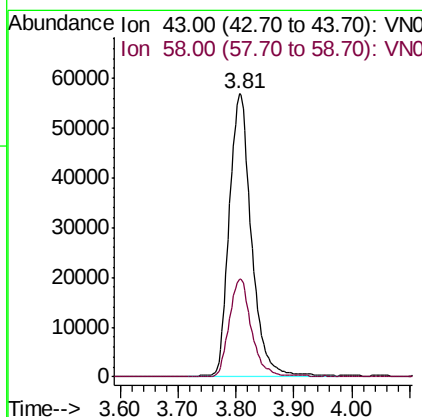
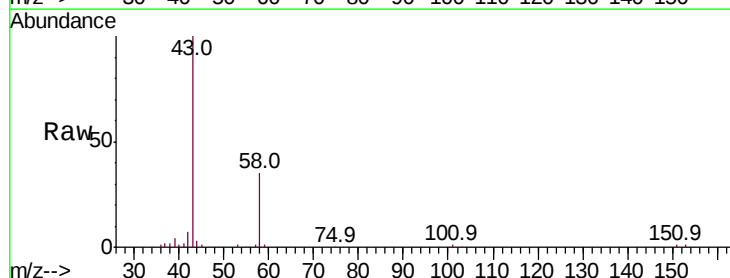
RT: 3.81 min Scan# 632

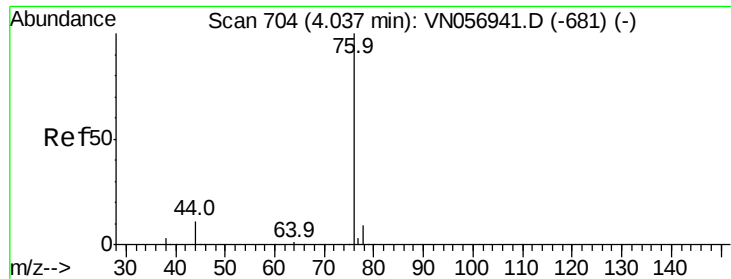
Delta R.T. 0.01 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Tgt Ion:	43	Resp:	152158
Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.2	40.8





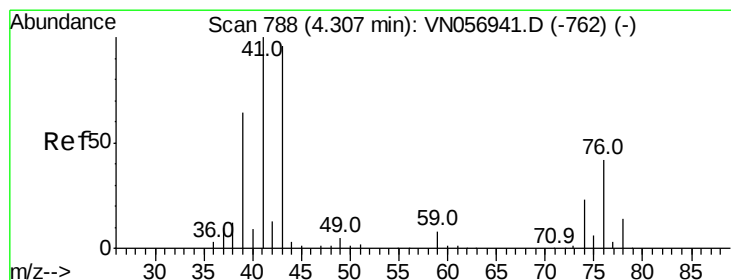
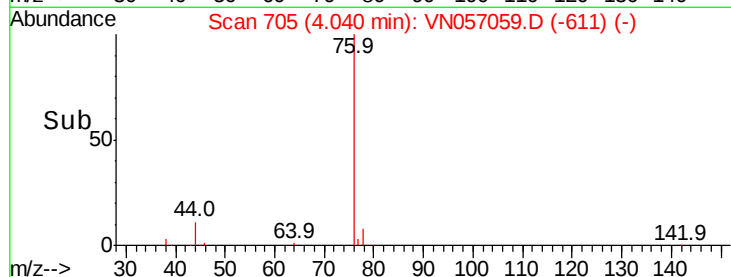
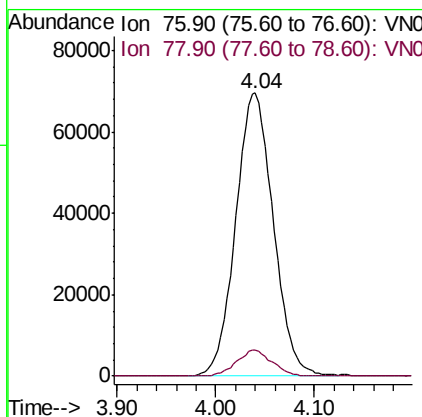
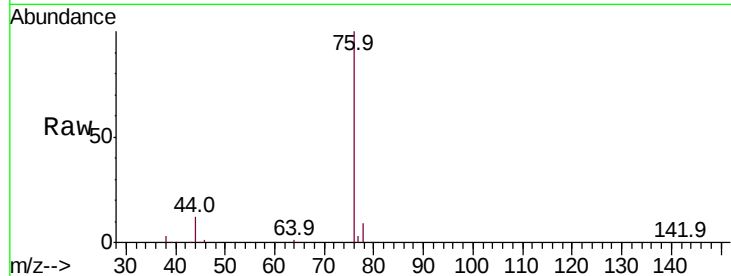
#17
Carbon Disulfide
Concen: 17.001 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

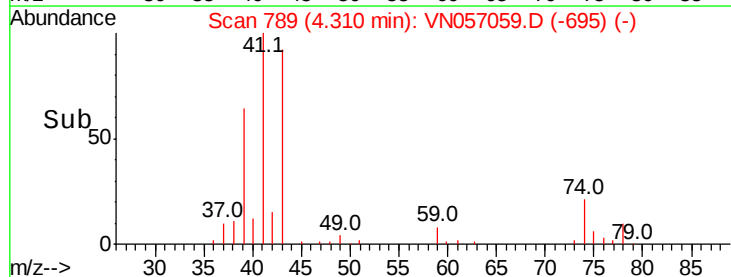
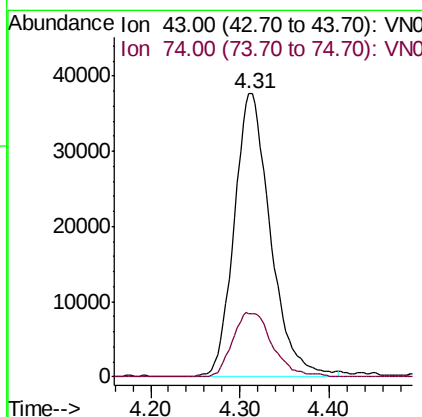
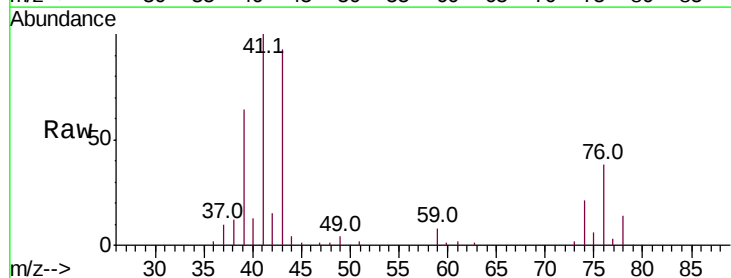
Manual Integrations
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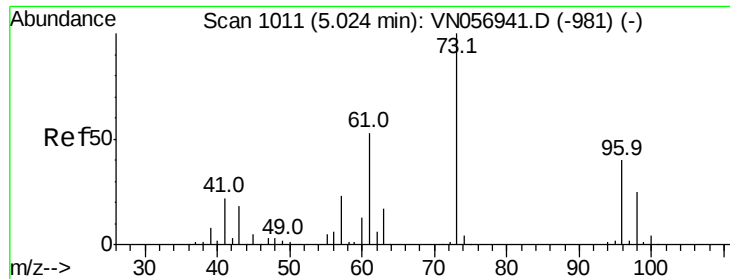
MMDadoda
8/6/2019 2:16:50 PM



#18
Methyl Acetate
Concen: 19.465 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.7	29.5





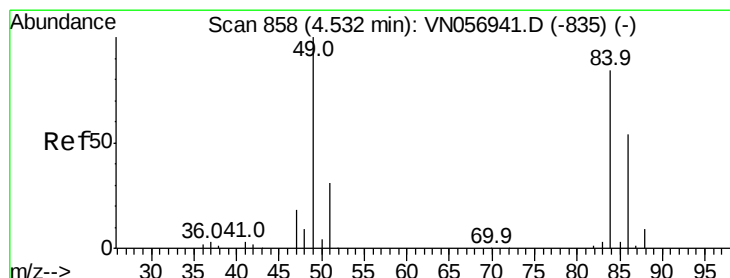
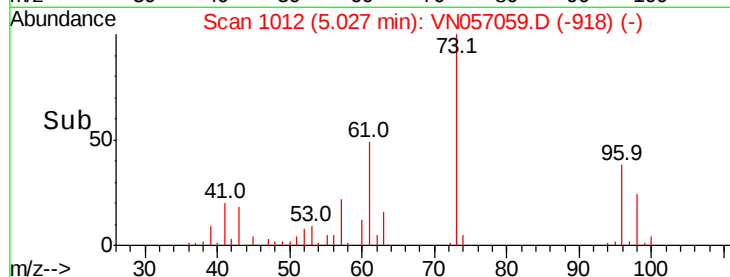
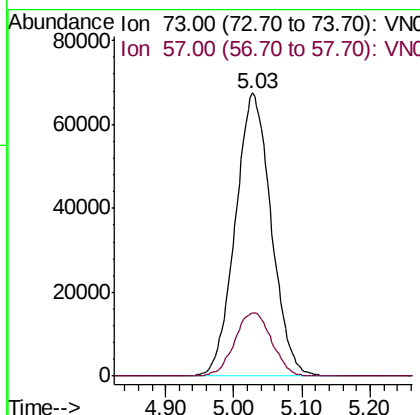
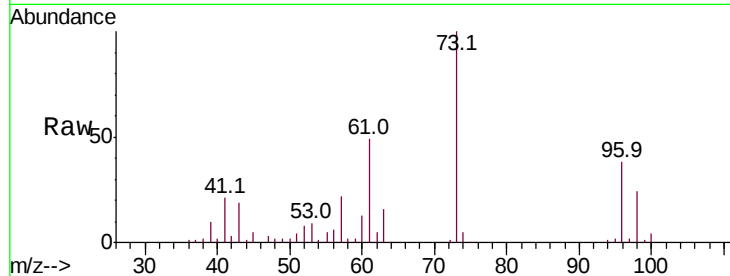
#19
Methvl tert-butvl Ether
Concen: 20.327 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion: 73 Resp: 246629
Ion Ratio Lower Upper
73 100
57 22.2 18.3 27.5

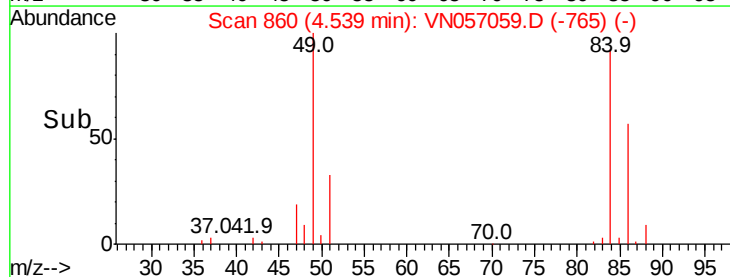
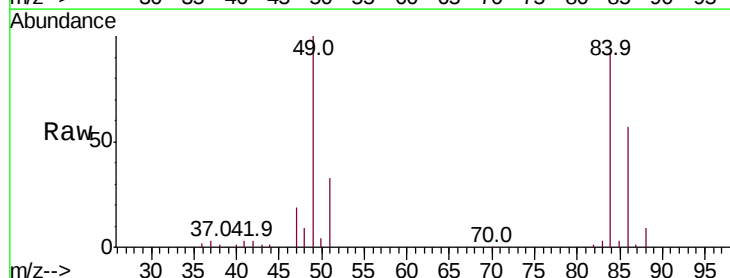
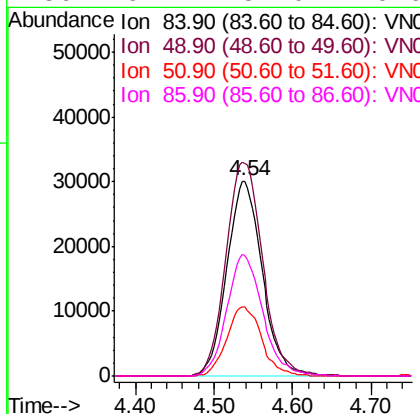
Manual Integrations
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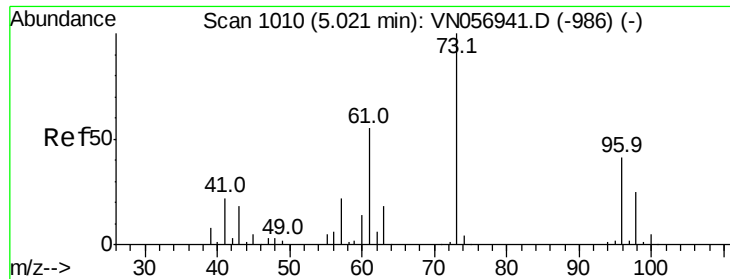
MMDadoda
8/6/2019 2:16:50 PM



#20
Methylene Chloride
Concen: 19.029 ug/l
RT: 4.54 min Scan# 860
Delta R.T. 0.01 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion: 84 Resp: 94100
Ion Ratio Lower Upper
84 100
49 109.1 95.2 142.8
51 35.6 29.7 44.5
86 61.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.245 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampled :

VN0802WBSD01

Tot Ion: 96 Resp: 83167

Ion Ratio Lower Upper

96 100

61 128.3 107.5 161.3

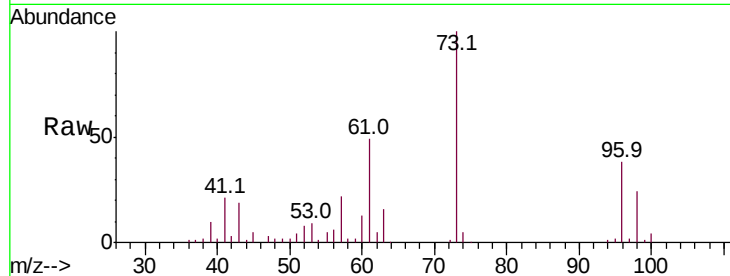
98 63.6 49.9 74.9

Manual Integrations

APPROVED

MMDadoda

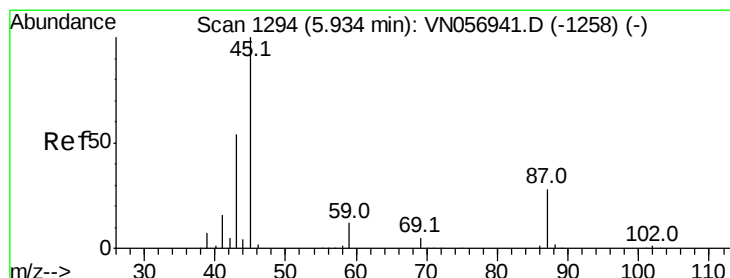
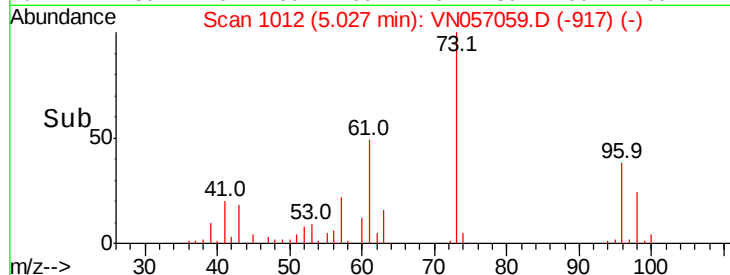
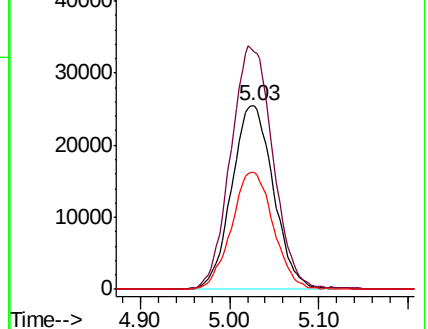
8/6/2019 2:16:50 PM



Abundance Ion 95.90 (95.60 to 96.60): VN056941.D (-986) (-)

Ion 60.90 (60.60 to 61.60): VN056941.D (-986) (-)

Ion 97.90 (97.60 to 98.60): VN056941.D (-986) (-)



#22

Diisopropyl ether

Concen: 19.770 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Tgt Ion: 45 Resp: 269616

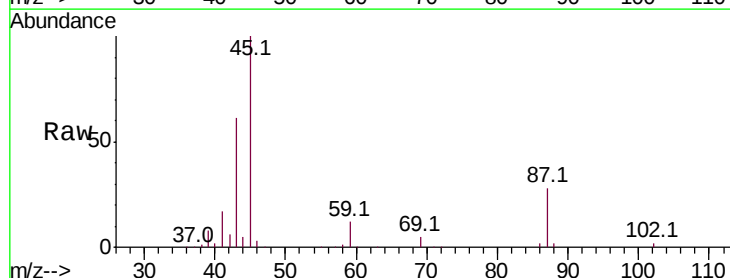
Ion Ratio Lower Upper

45 100

43 58.6 44.7 67.1

87 28.2 23.0 34.6

59 11.9 9.8 14.8

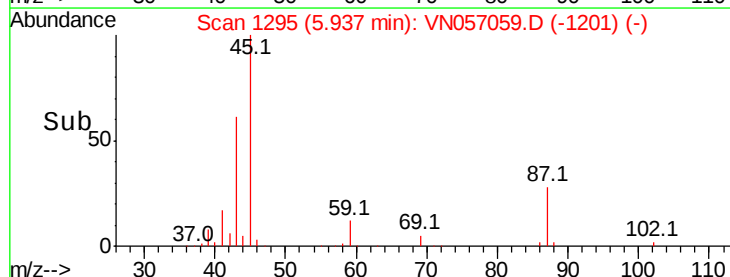
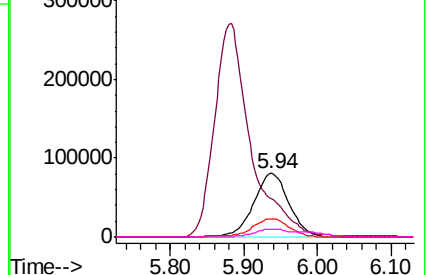


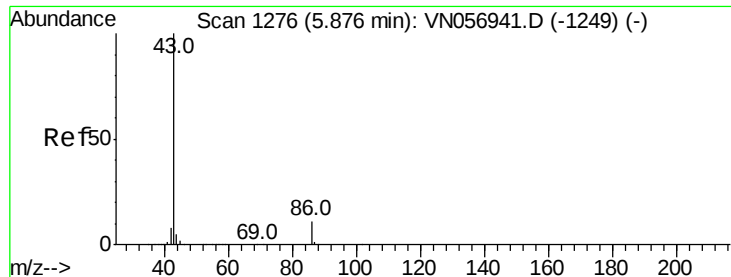
Abundance Ion 45.00 (44.70 to 45.70): VN056941.D (-1258) (-)

Ion 43.00 (42.70 to 43.70): VN056941.D (-1258) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1258) (-)

Ion 59.00 (58.70 to 59.70): VN056941.D (-1258) (-)





#23

Vinyl Acetate

Concen: 98.448 ug/l

RT: 5.88 min Scan# 1278

Delta R.T. 0.01 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

Tot Ion: 43 Resp: 930241

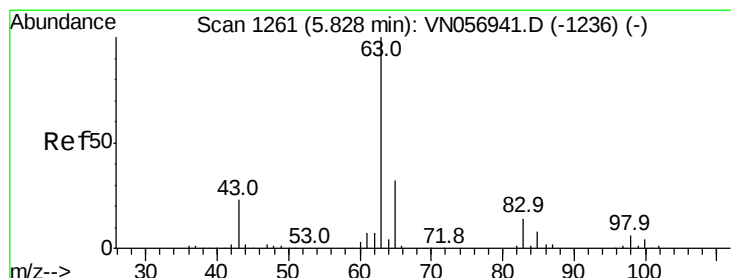
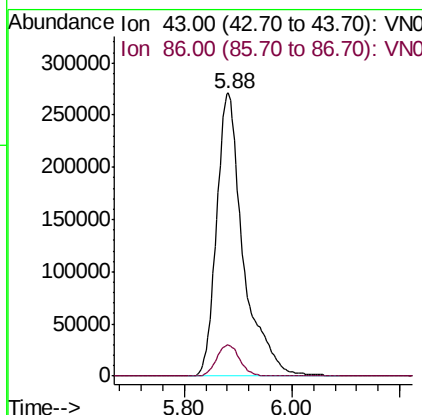
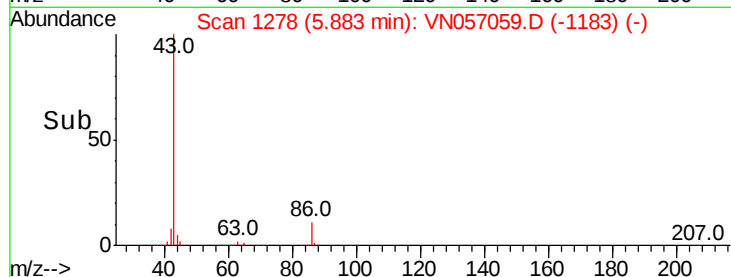
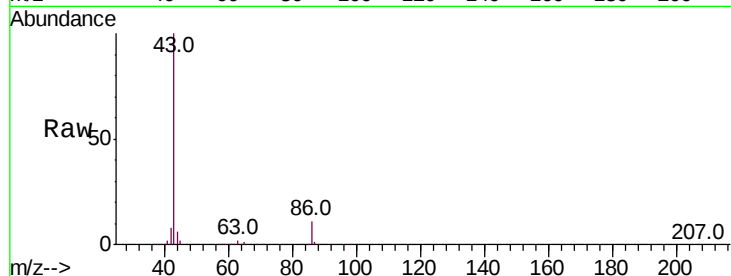
Ion Ratio Lower Upper

43 100

86 10.9 8.5 12.7

Manual Integrations
APPROVED

MMDadoda
8/6/2019 2:16:50 PM



#24

1,1-Dichloroethane

Concen: 19.703 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

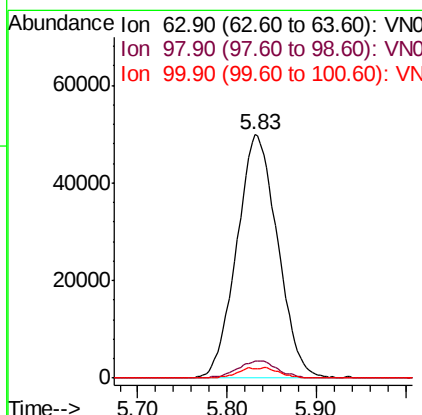
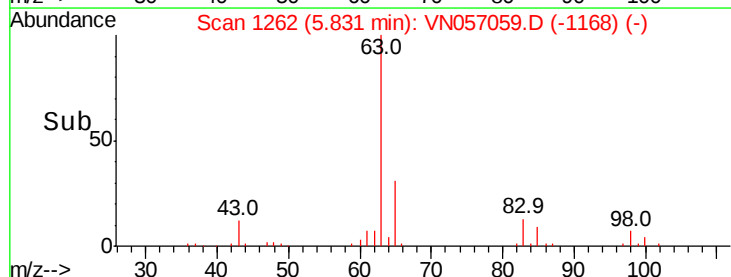
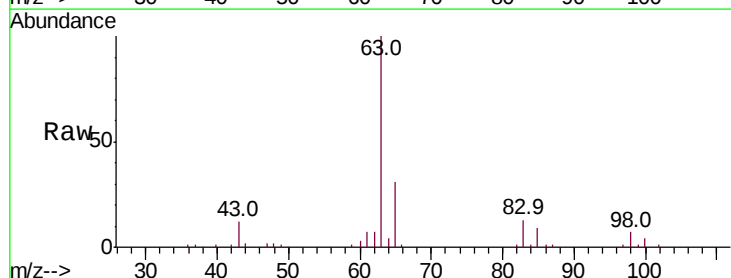
Tgt Ion: 63 Resp: 158538

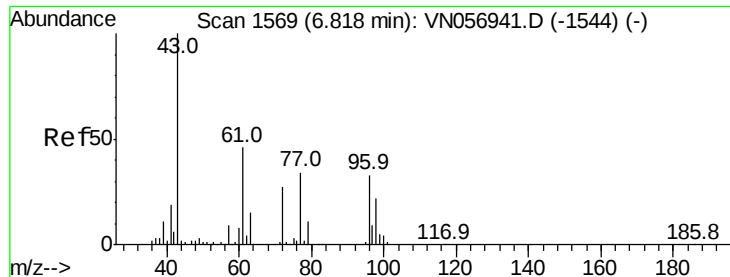
Ion Ratio Lower Upper

63 100

98 6.8 3.2 9.6

100 3.7 2.1 6.3





#25

2-Butanone

Concen: 95.262 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

Tot Ion: 43 Resp: 231896

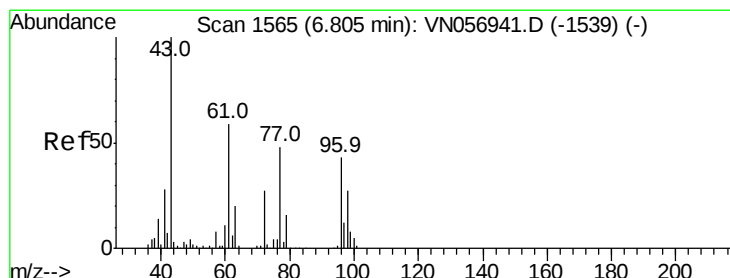
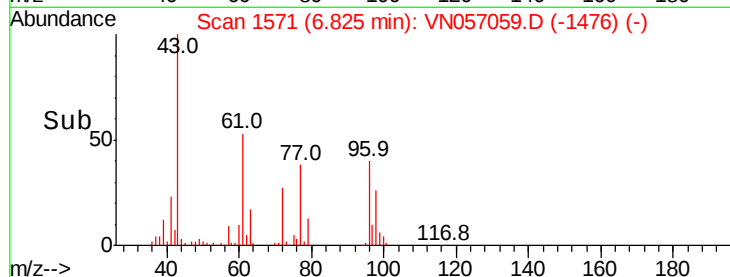
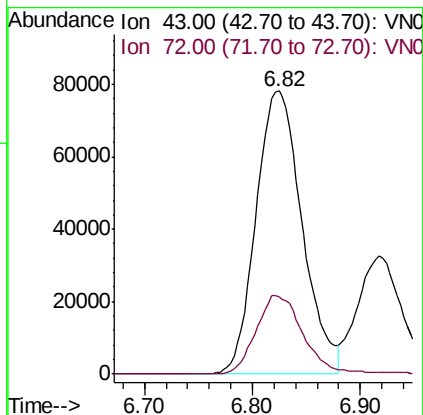
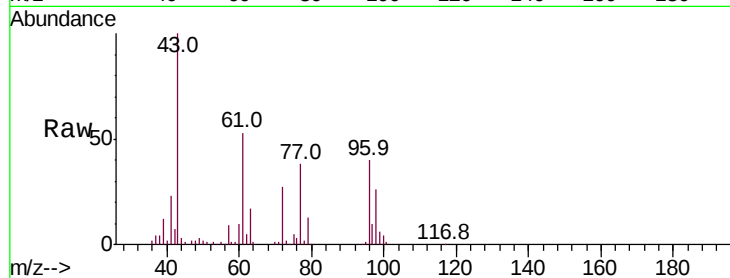
Ion Ratio Lower Upper

43 100

72 27.3 21.5 32.3

Manual Integrations
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8/6/2019 2:16:50 PM



#26

2,2-Dichloropropane

Concen: 19.393 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057059.D

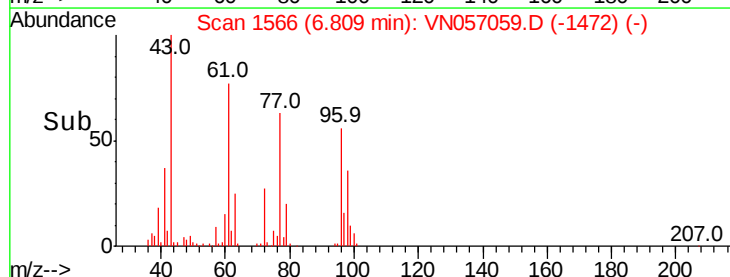
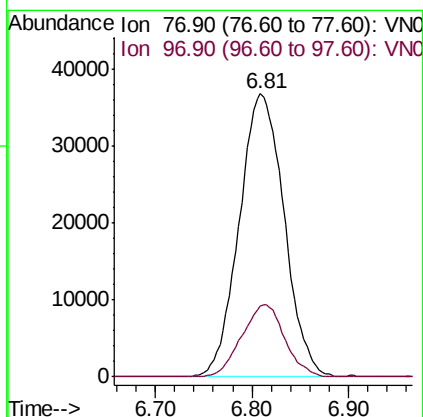
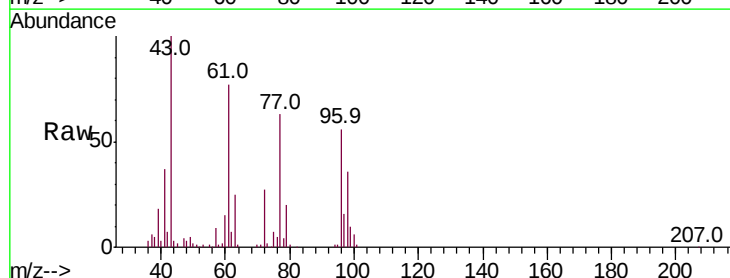
Acq: 2 Aug 2019 12:22

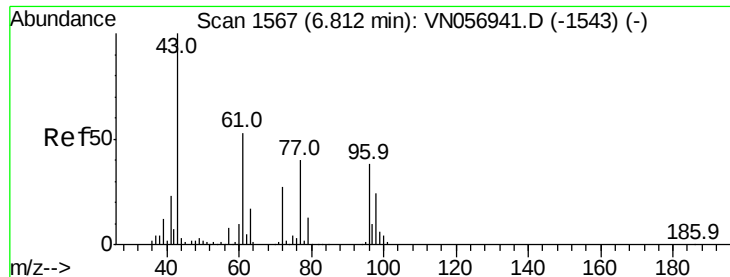
Tgt Ion: 77 Resp: 118650

Ion Ratio Lower Upper

77 100

97 24.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.465 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

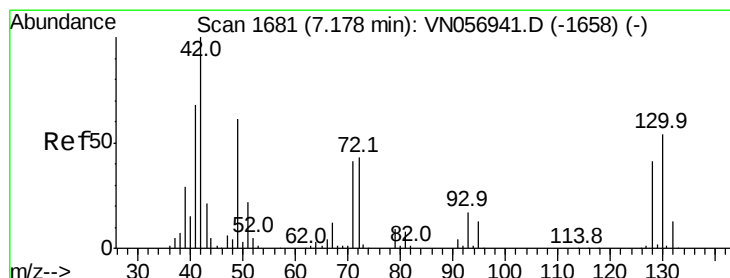
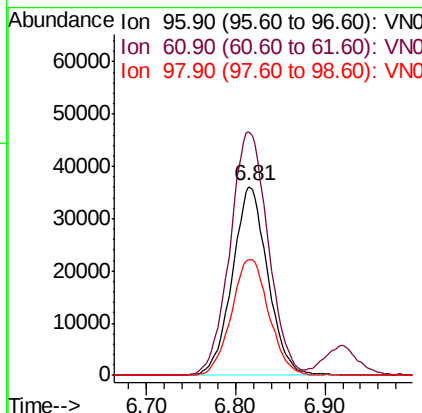
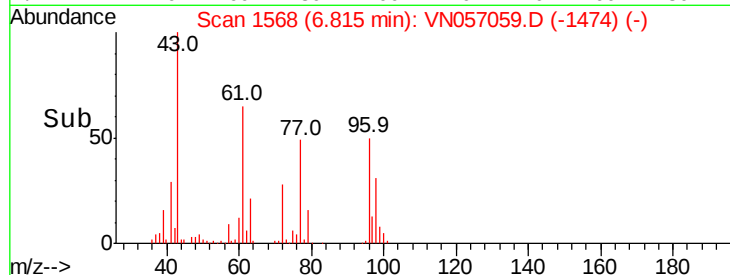
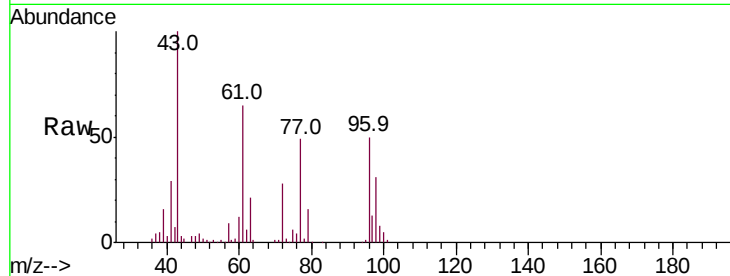
ClientSampleId :

VN0802WBSD01

Tot Ion:	96	Resp:	99492
Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	277.2
98	64.6	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 18.508 ug/l

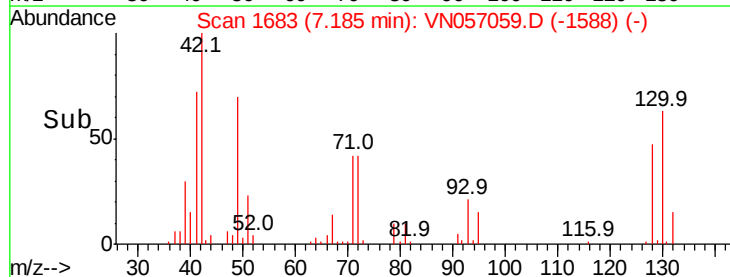
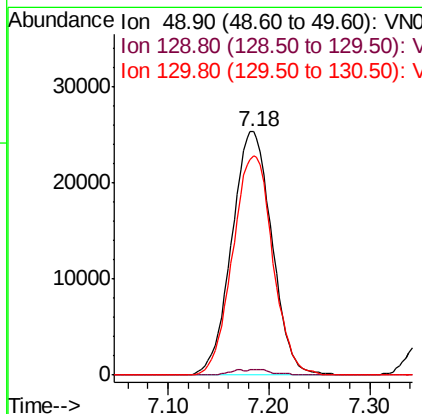
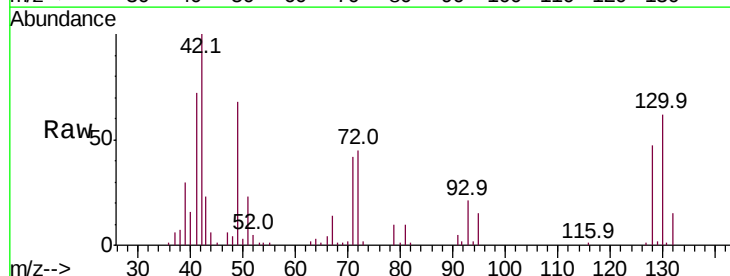
RT: 7.18 min Scan# 1683

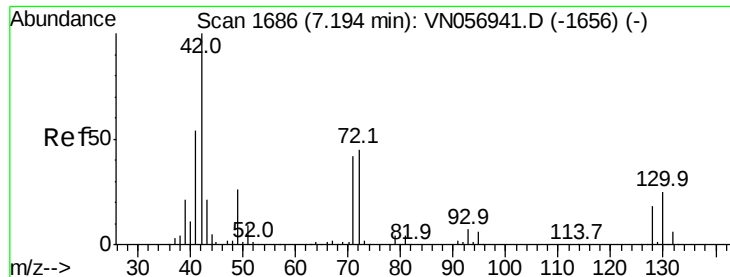
Delta R.T. 0.01 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Tgt Ion:	49	Resp:	69999
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.6
130	89.8	69.0	103.4





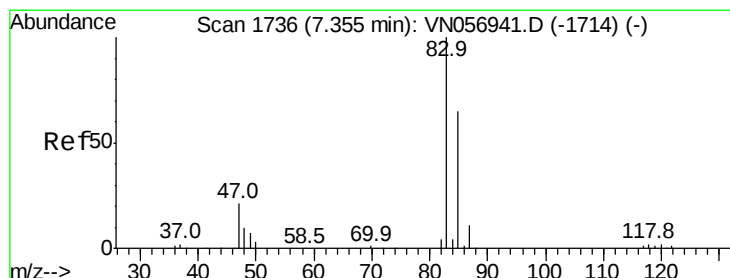
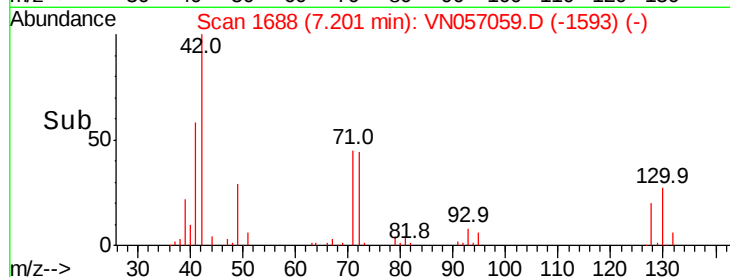
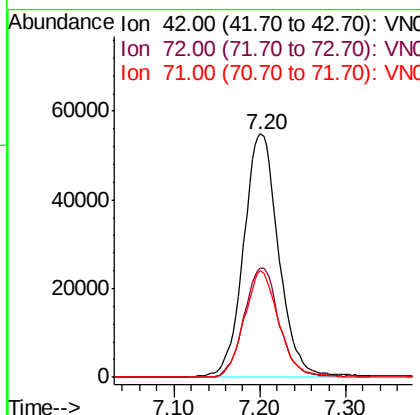
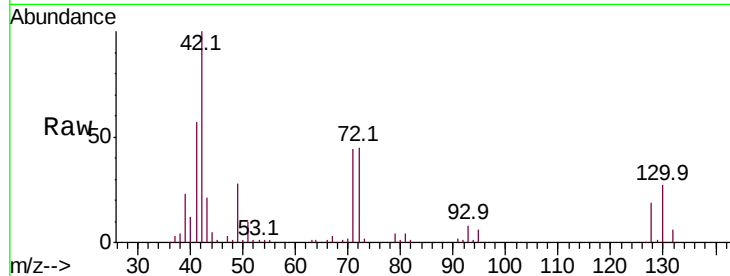
#29
Tetrahydrofuran
Concen: 98.143 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion:	42	Resp:	155877
Ion Ratio	Lower	Upper	
42	100		
72	44.5	35.6	53.4
71	42.6	33.5	50.3

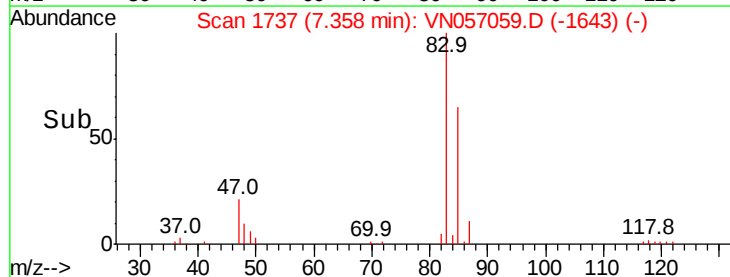
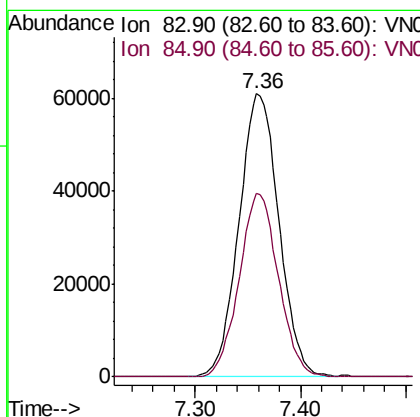
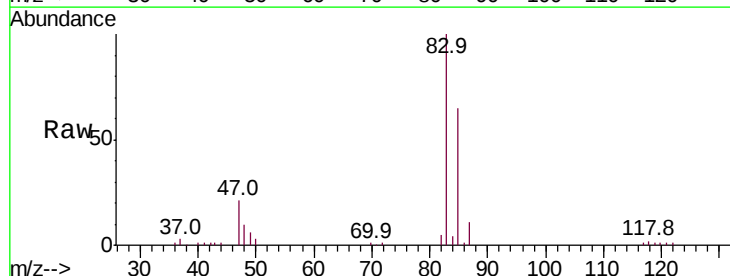
Manual Integrations
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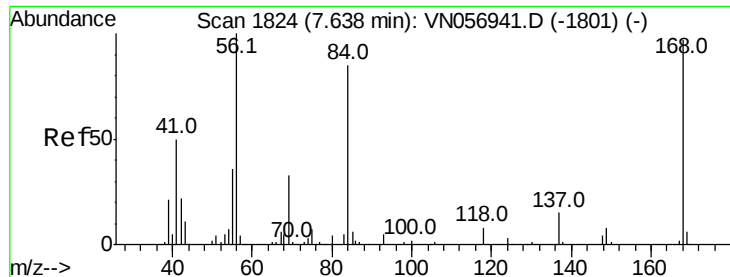
MMDadoda
8/6/2019 2:16:50 PM



#30
Chloroform
Concen: 19.509 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion:	83	Resp:	160503
Ion Ratio	Lower	Upper	
83	100		
85	64.8	52.2	78.2





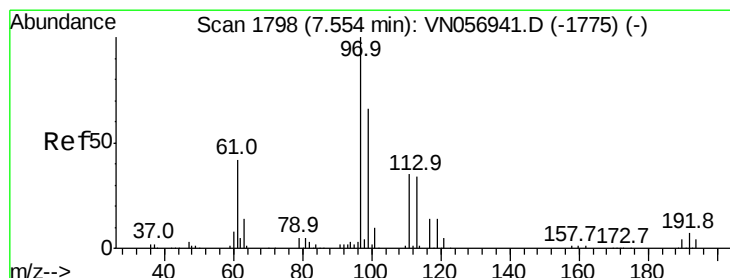
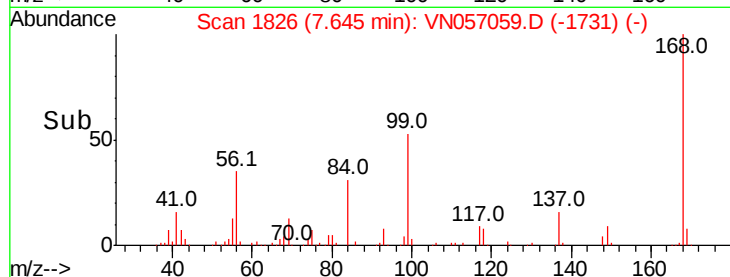
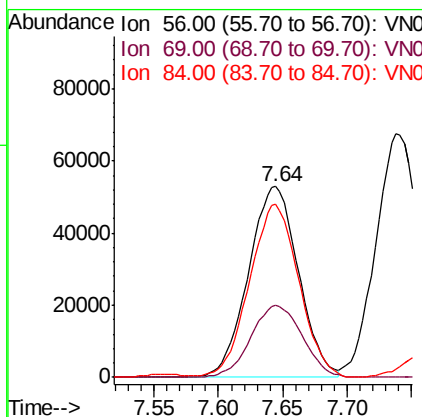
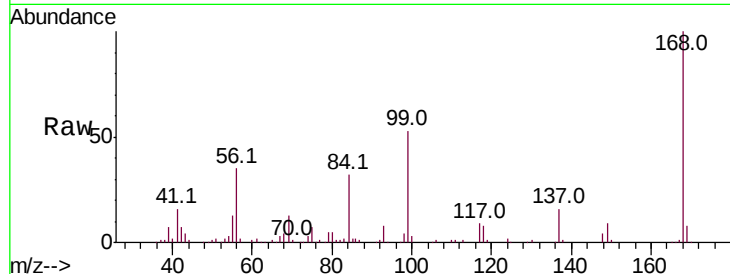
#31
Cyclohexane
Concen: 18.316 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.4	26.2	39.2
84	89.6	68.2	102.2

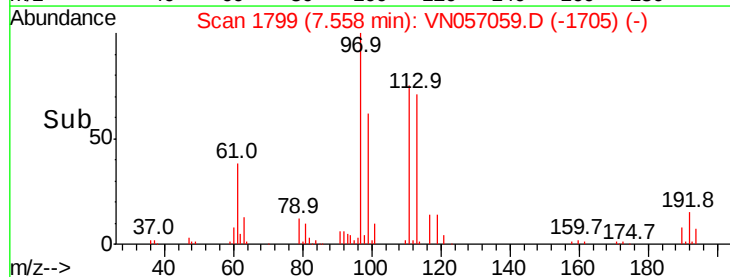
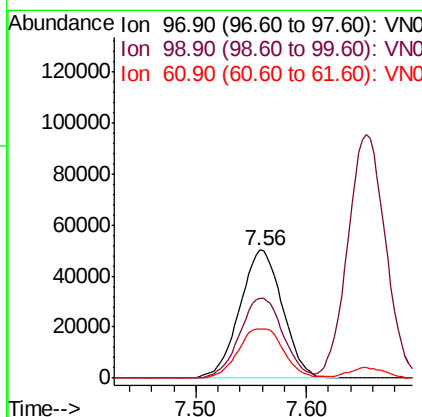
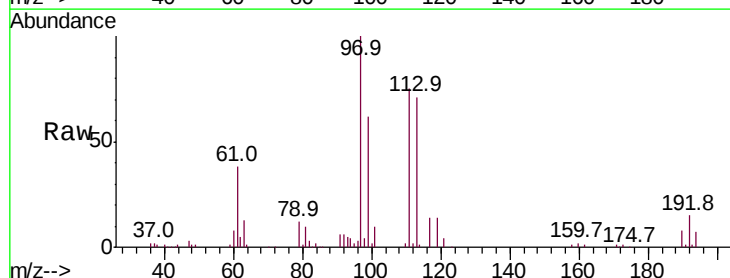
Manual Integrations
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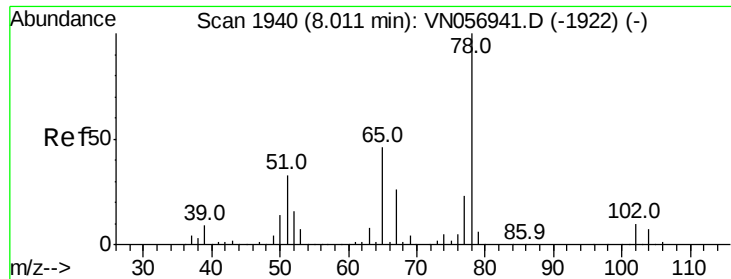
MMDadoda
8/6/2019 2:16:50 PM



#32
1,1,1-Trichloroethane
Concen: 20.444 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.3	78.5
61	40.8	33.9	50.9





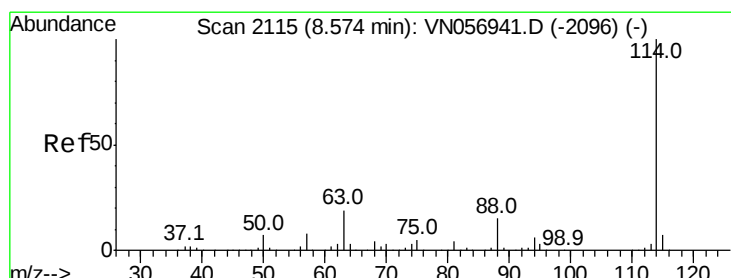
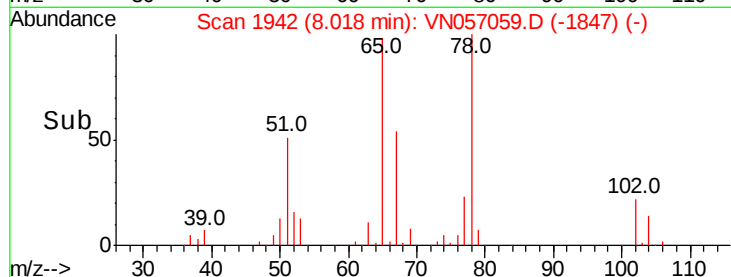
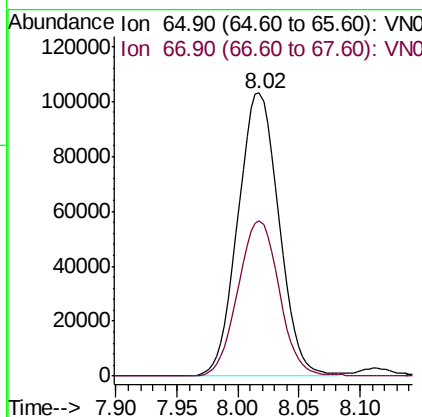
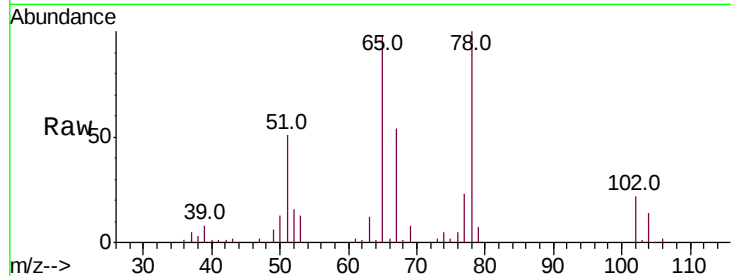
#33
 1,2-Dichloroethane-d4
 Concen: 50.745 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.01 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

Tot Ion: 65 Resp: 240466
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 112.0

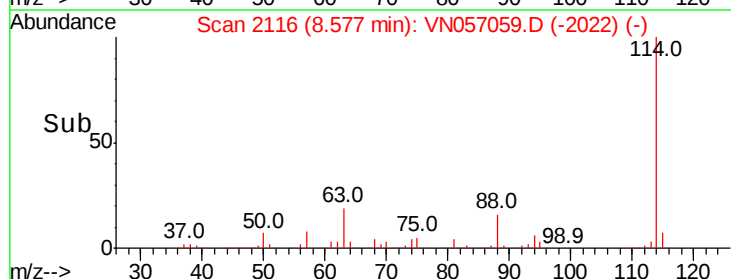
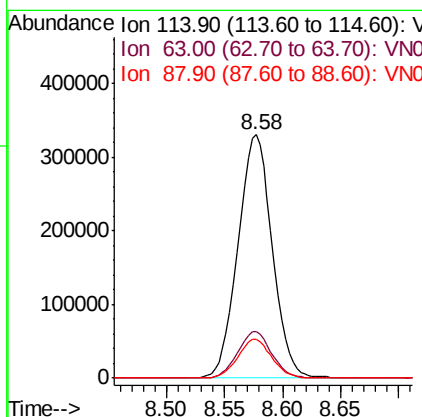
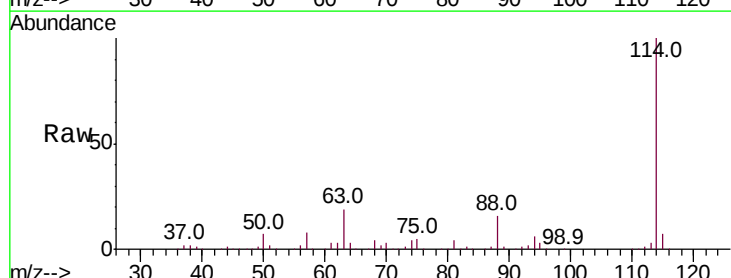
Manual Integrations
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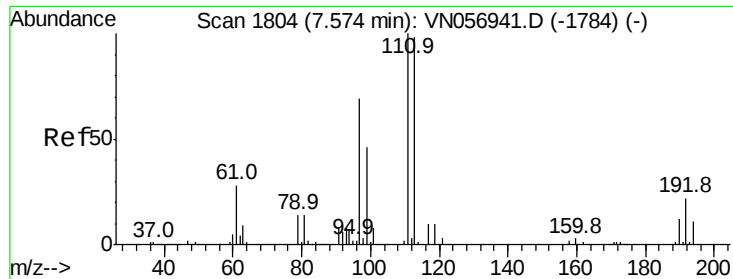
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Tgt Ion: 114 Resp: 677391
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.0
 88 15.8 0.0 30.0





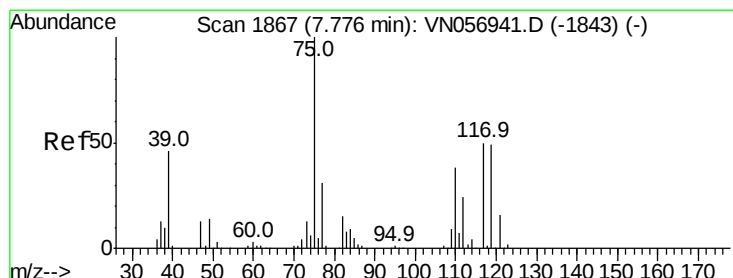
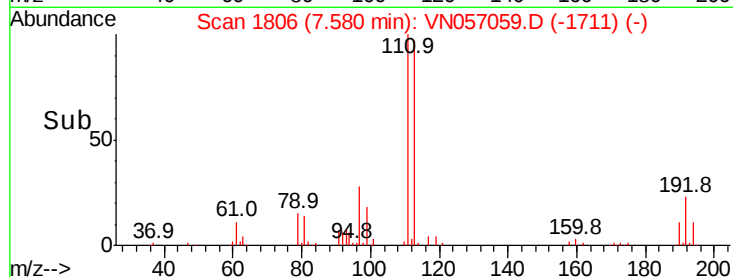
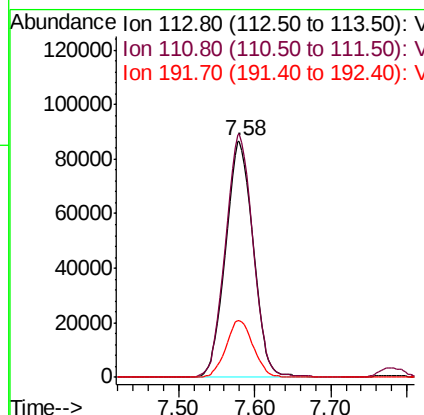
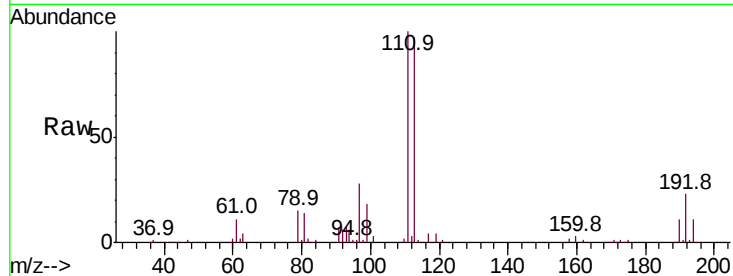
#35
 Dibromofluoromethane
 Concen: 50.670 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.0	82.0	123.0	
192	23.6	18.4	27.6	

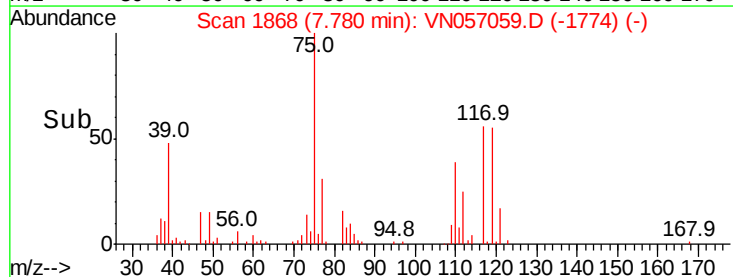
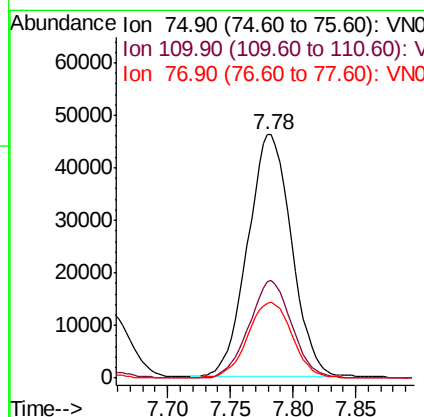
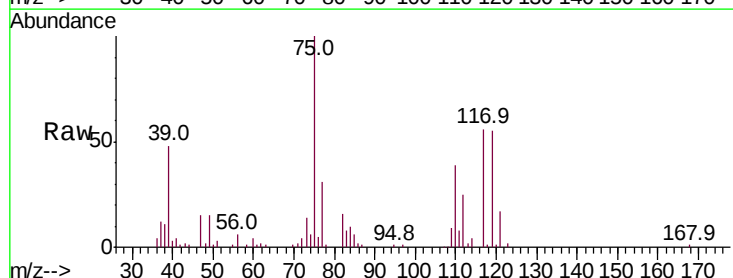
Manual Integrations
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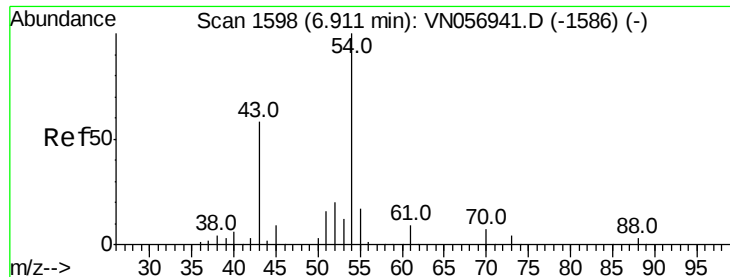
MMDadoda
 8/6/2019 2:16:50 PM



#36
 1,1-Dichloropropene
 Concen: 18.846 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	39.2	18.6	55.8	
77	31.9	25.2	37.8	





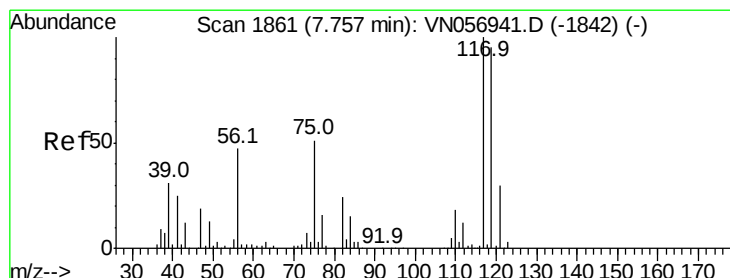
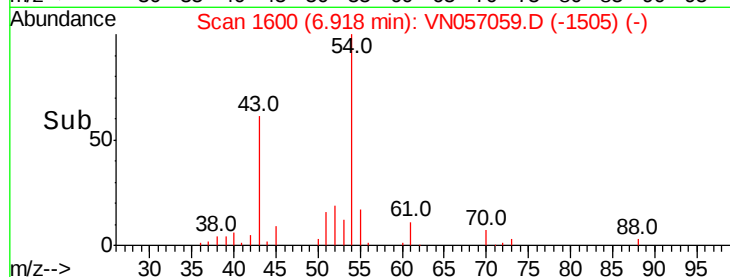
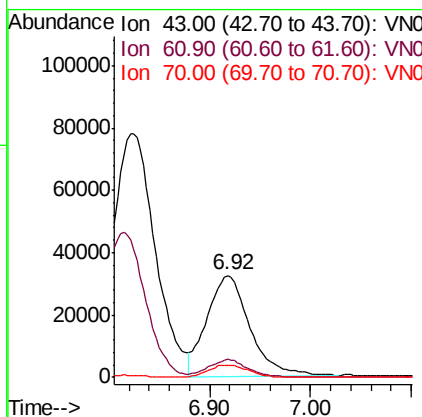
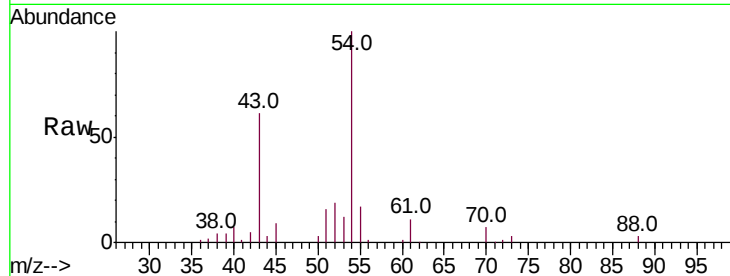
#37
Ethyl Acetate
Concen: 19.853 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Instrument :
MSVOA_N
ClientSampled :
VN0802WBSD01

Tot Ion:	43	Resp:	94775
Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.8	17.6
70	11.8	8.5	12.7

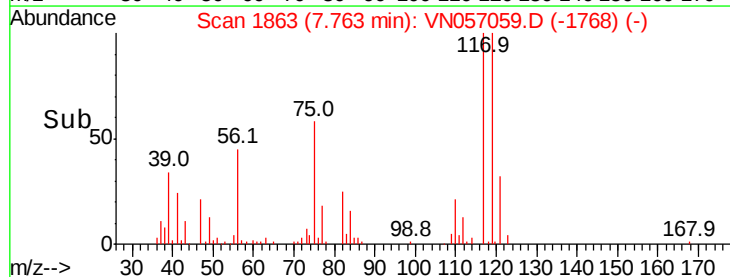
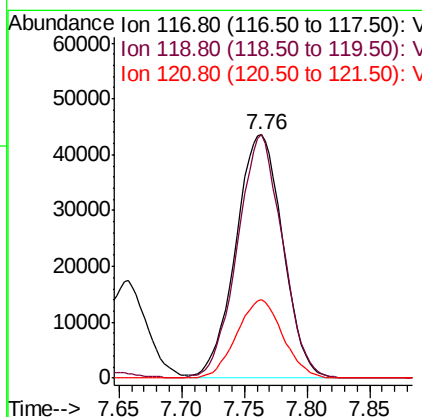
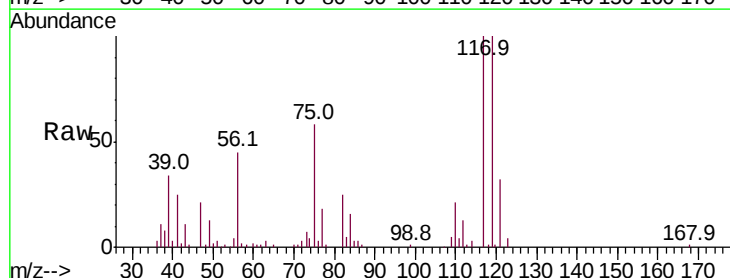
Manual Integrations
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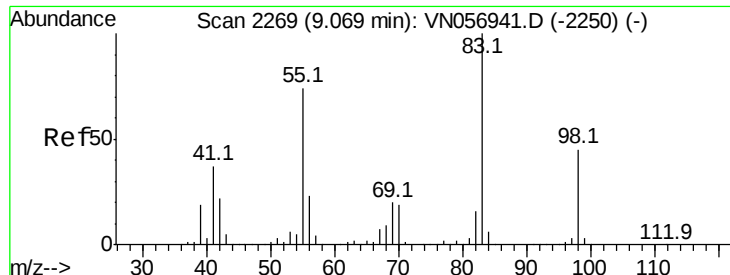
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.133 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion:	117	Resp:	113514
Ion	Ratio	Lower	Upper
117	100		
119	99.8	75.3	112.9
121	32.4	24.2	36.4





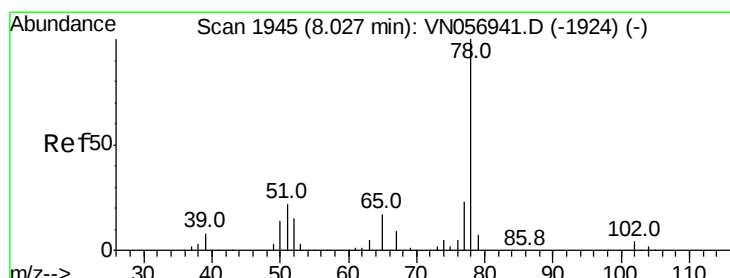
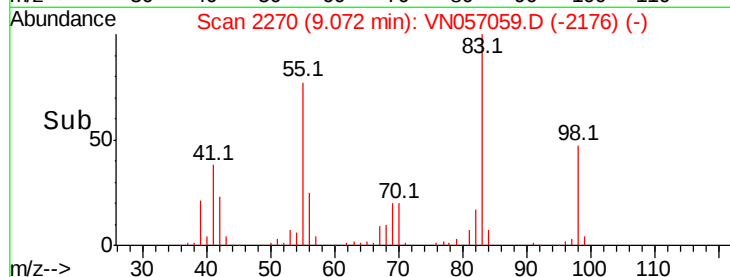
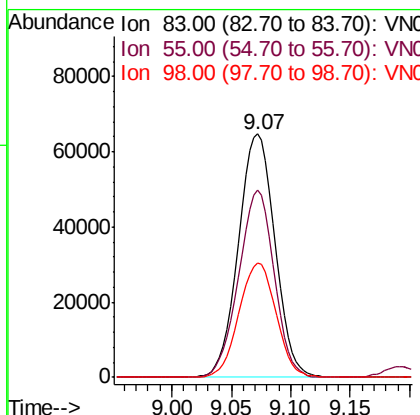
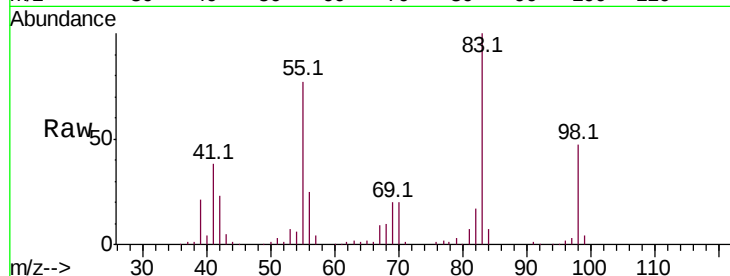
#39
Methylvlcyclohexane
Concen: 18.095 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.1	59.0	88.6
98	47.1	36.2	54.4

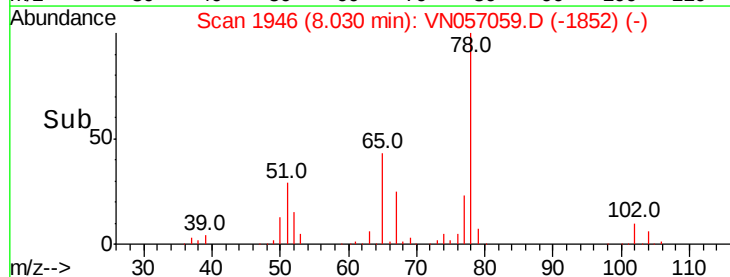
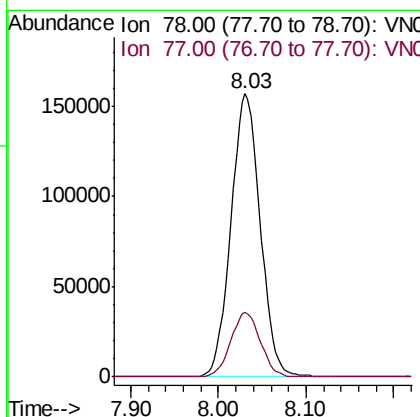
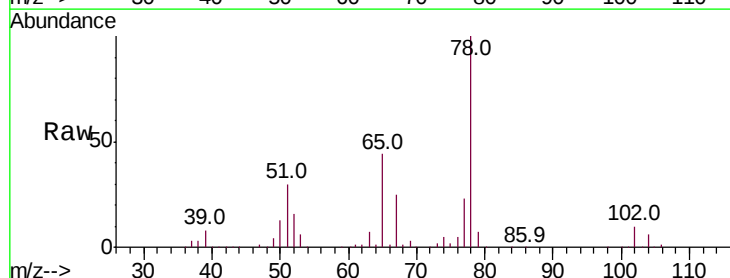
Manual Integrations
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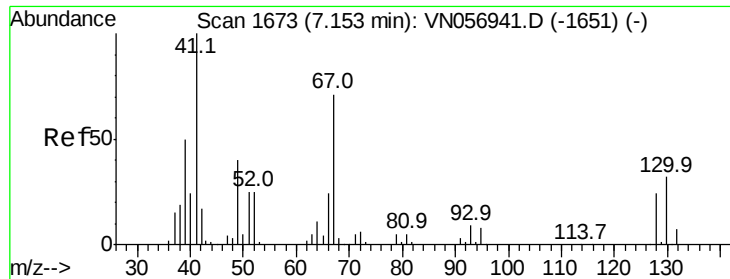
MMDadoda
8/6/2019 2:16:50 PM



#40
Benzene
Concen: 19.858 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.3	27.5





#41

Methacrylonitrile

Concen: 21.524 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. 0.01 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

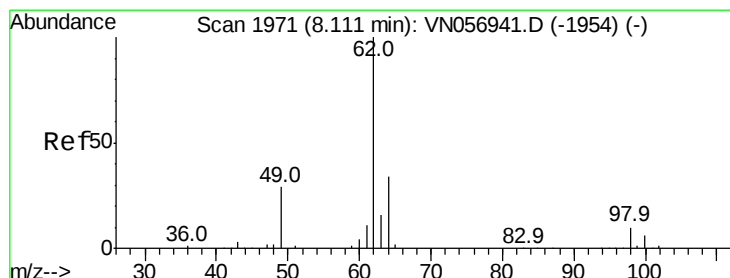
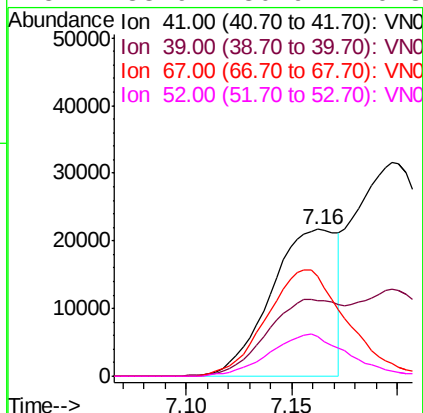
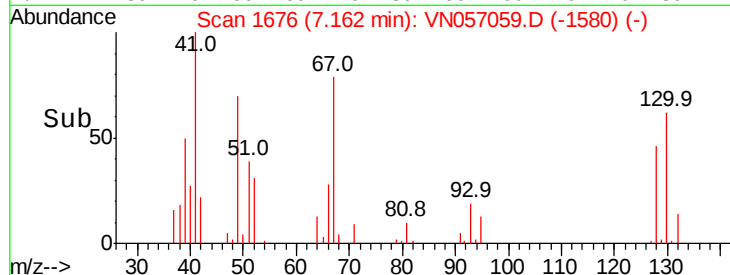
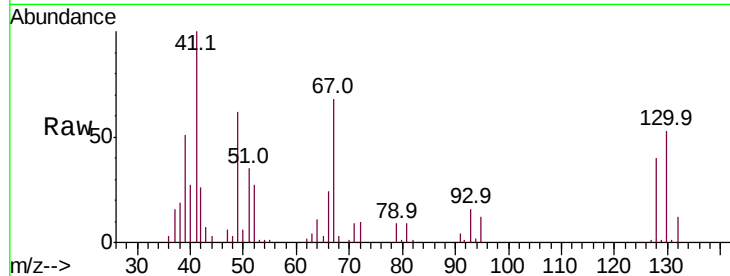
ClientSampleId :

VN0802WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.5	48.9	73.3
67	88.5	83.4	125.0
52	33.9	30.9	46.3

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#42

1,2-Dichloroethane

Concen: 20.379 ug/l

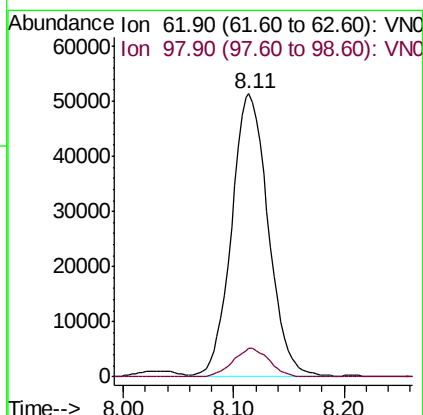
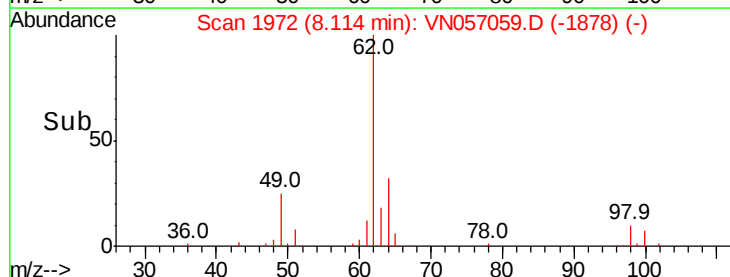
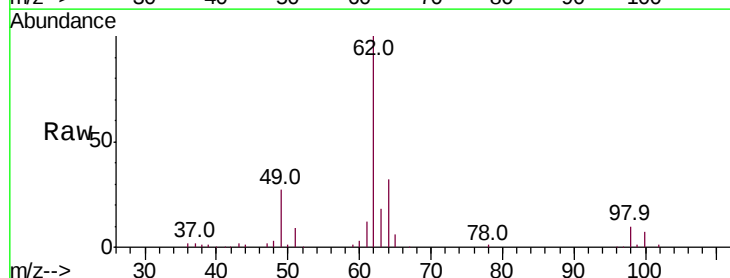
RT: 8.11 min Scan# 1972

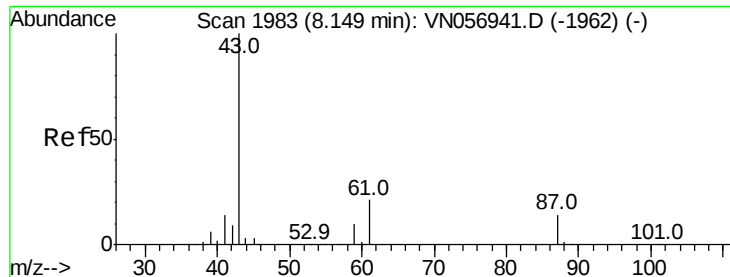
Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6





#43

Isopropyl Acetate

Concen: 19.586 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

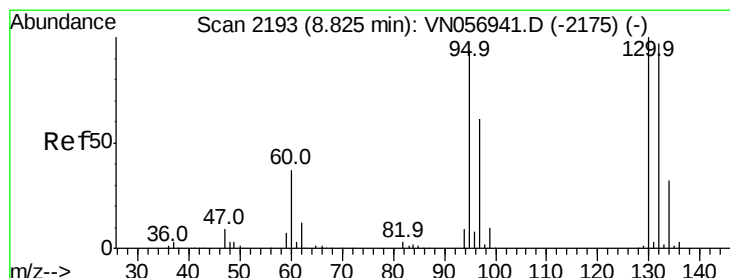
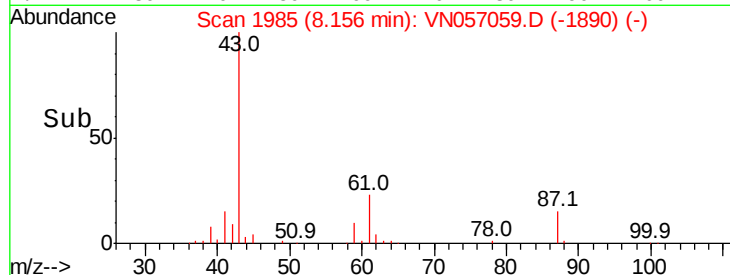
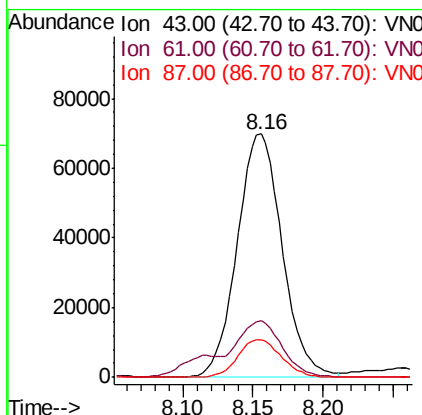
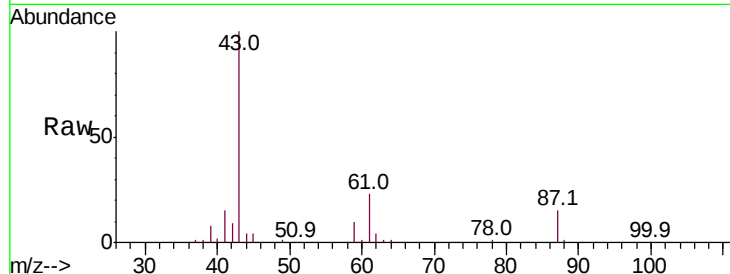
ClientSampleId :

VN0802WBSD01

Tot Ion:	43	Resp:	154545
Ion	Ratio	Lower	Upper
43	100		
61	23.6	23.0	34.6
87	15.2	11.7	17.5

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#44

Trichloroethene

Concen: 20.224 ug/l

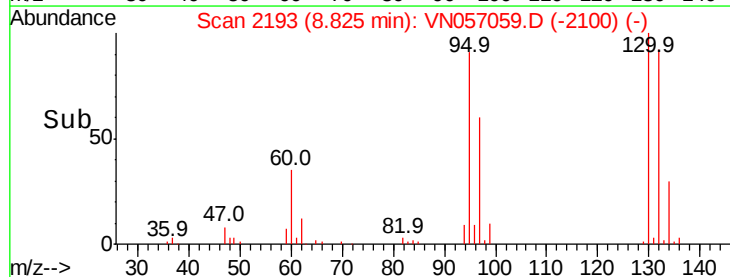
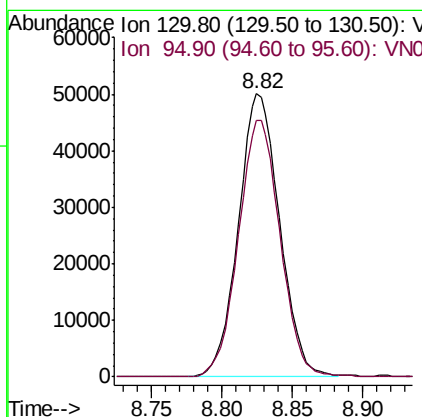
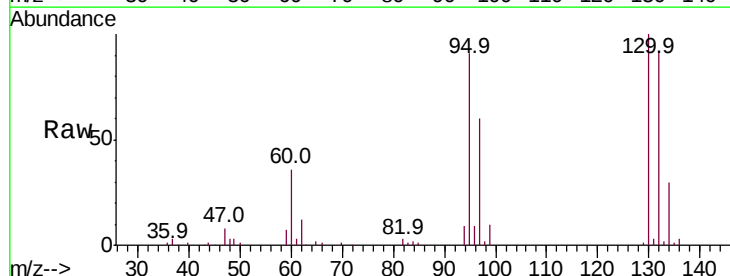
RT: 8.82 min Scan# 2193

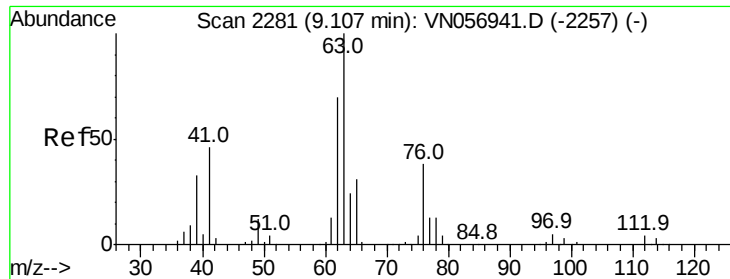
Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Tgt Ion:	130	Resp:	102289
Ion	Ratio	Lower	Upper
130	100		
95	90.5	0.0	189.0





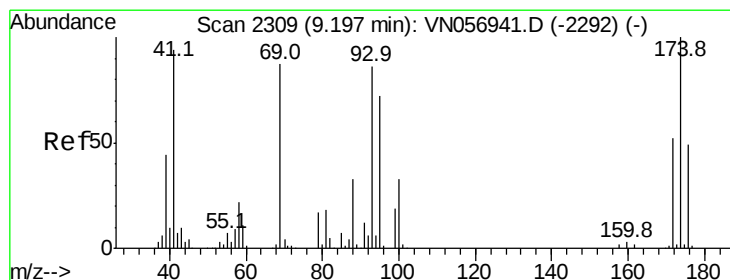
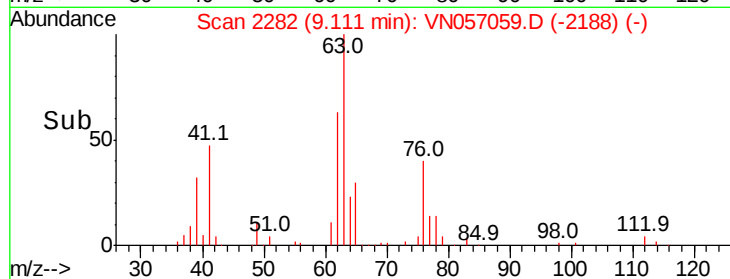
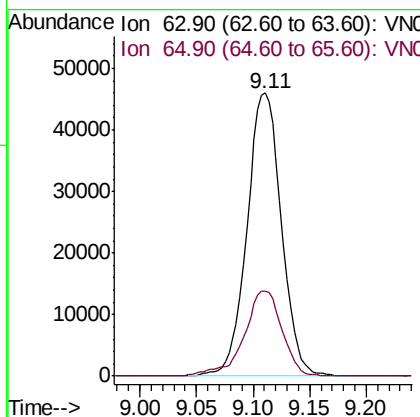
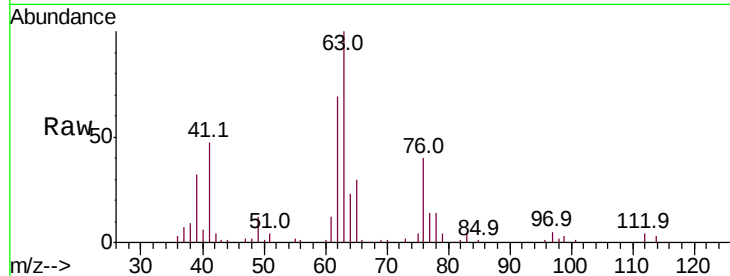
#45
 1,2-Dichloropropane
 Concen: 19.809 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0802WBSD01

Tot Ion: 63 Resp: 97272
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.8 37.2

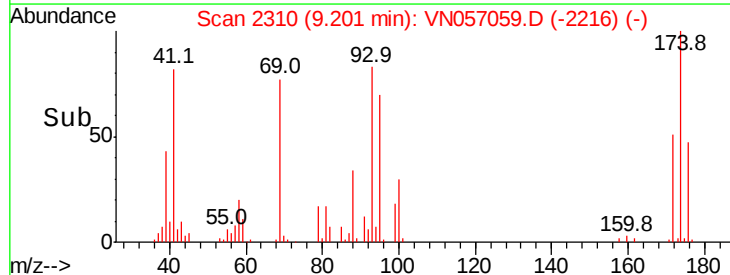
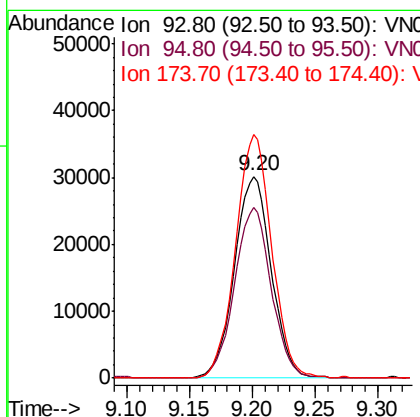
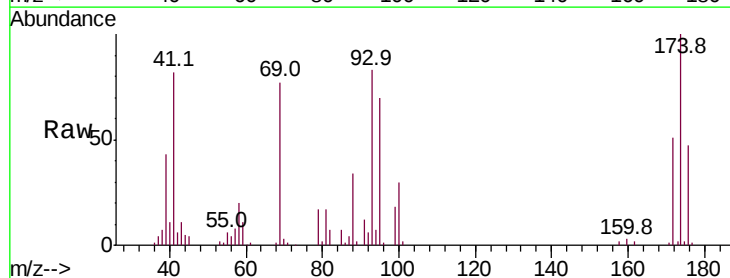
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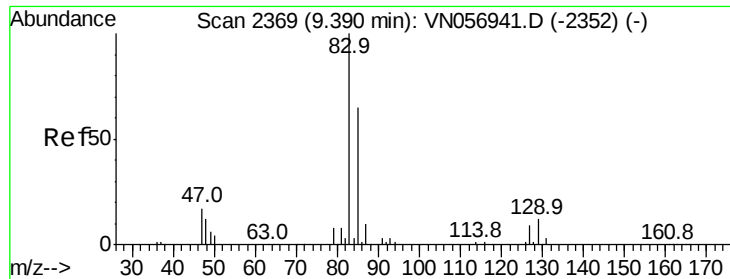
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#46
 Dibromomethane
 Concen: 20.769 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Tgt Ion: 93 Resp: 61505
 Ion Ratio Lower Upper
 93 100
 95 84.3 67.0 100.6
 174 118.7 92.7 139.1





#47

Bromodichloromethane

Concen: 20.005 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

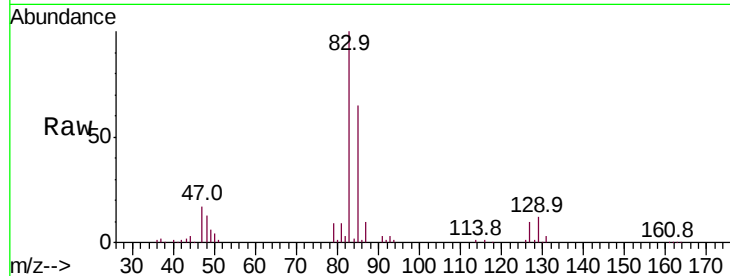
ClientSampleId :

VN0802WBSD01

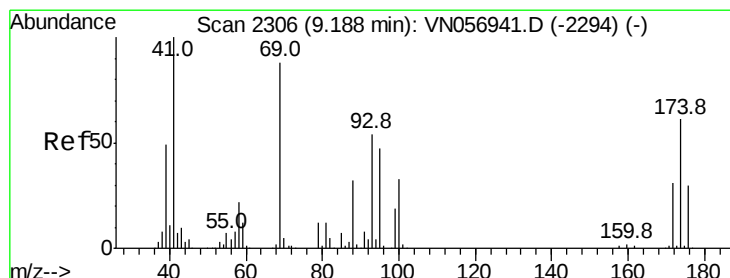
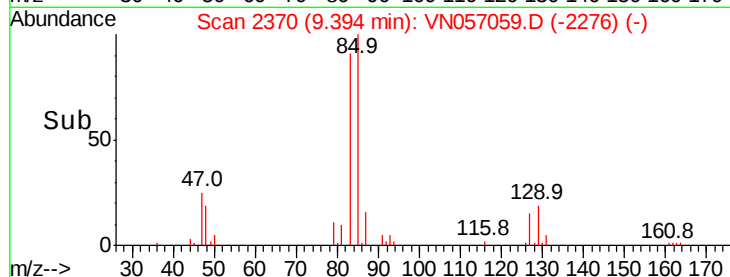
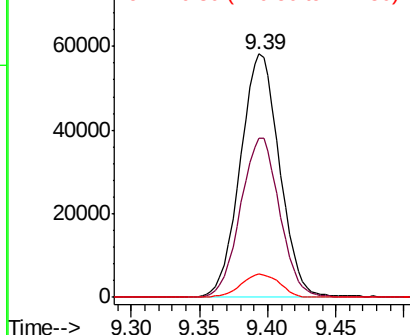
Tot Ion:	83	Resp:	116479
Ion Ratio	Lower	Upper	
83	100		
85	65.4	51.6	77.4
127	9.6	7.3	10.9

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 19.374 ug/l

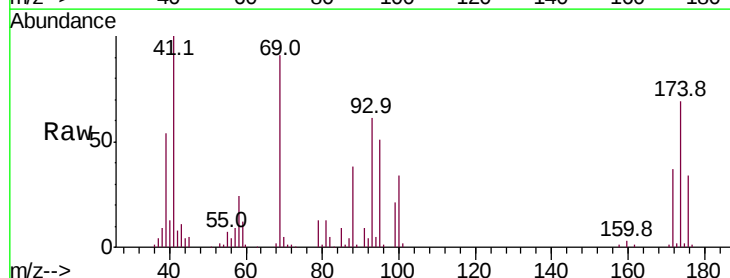
RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

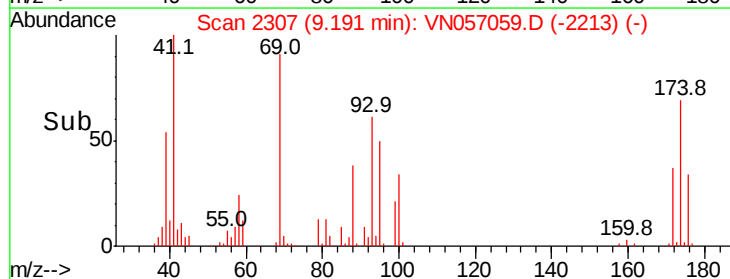
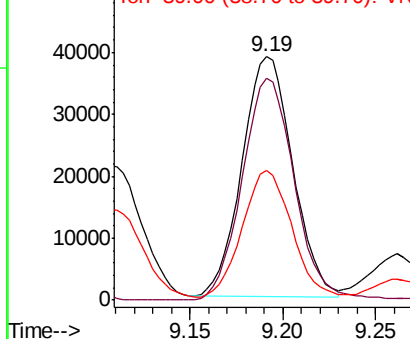
Lab File: VN057059.D

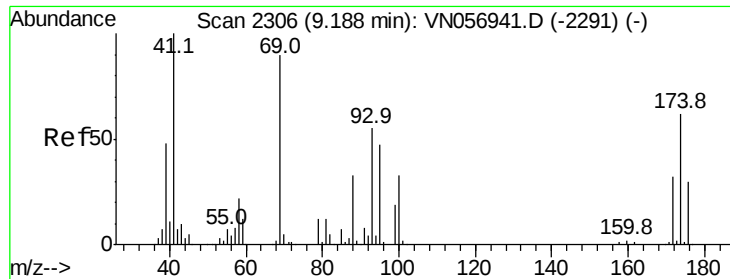
Acq: 2 Aug 2019 12:22

Tgt Ion:	41	Resp:	73803
Ion Ratio	Lower	Upper	
41	100		
69	95.6	73.4	110.0
39	53.2	39.9	59.9



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





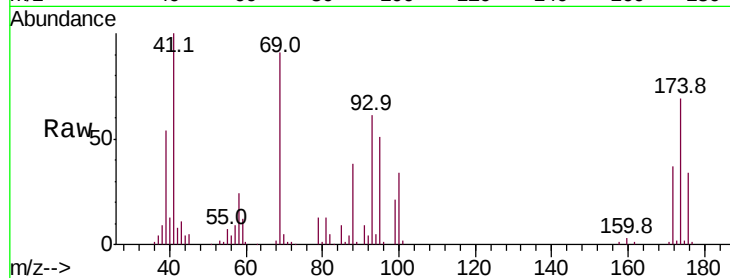
#49
1,4-Dioxane
Concen: 411.820 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

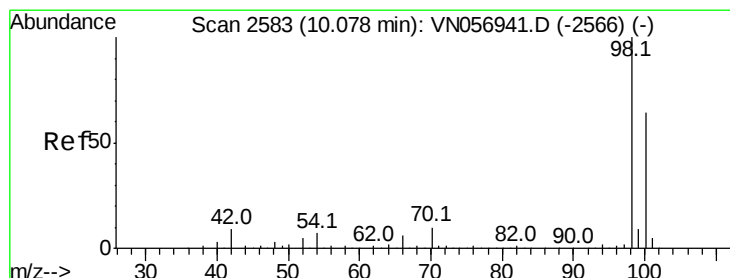
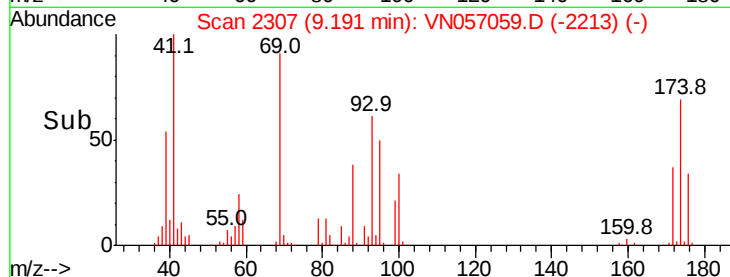
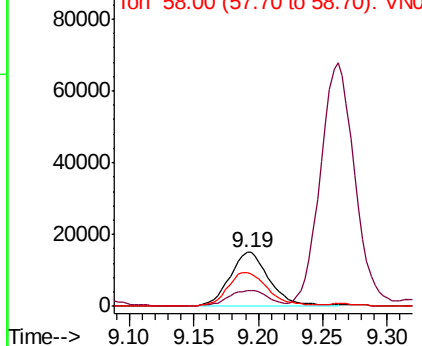
Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	22.2	33.2
58	64.0	54.1	81.1

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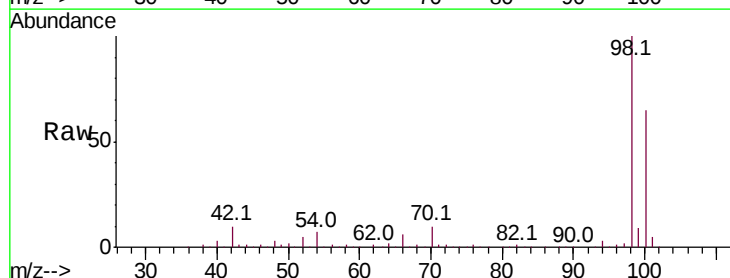


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

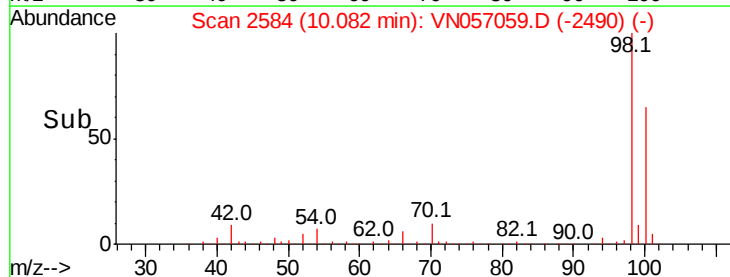
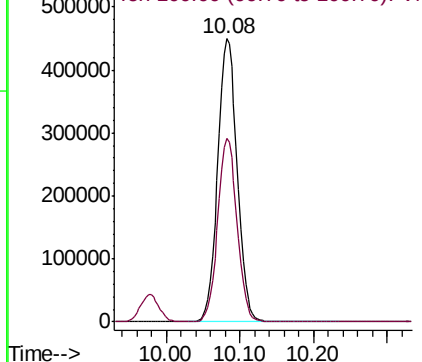


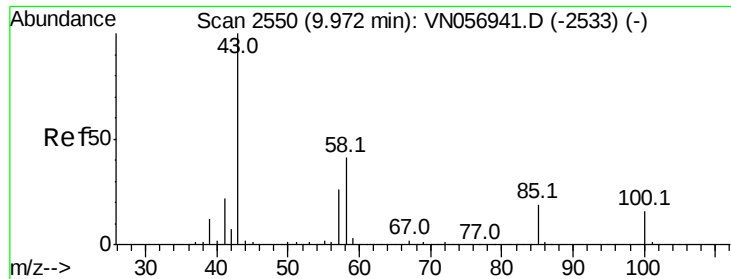
#50
Toluene-d8
Concen: 49.650 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.3	76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 100.031 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

Tot Ion: 43 Resp: 468966

Ion Ratio Lower Upper

43 100

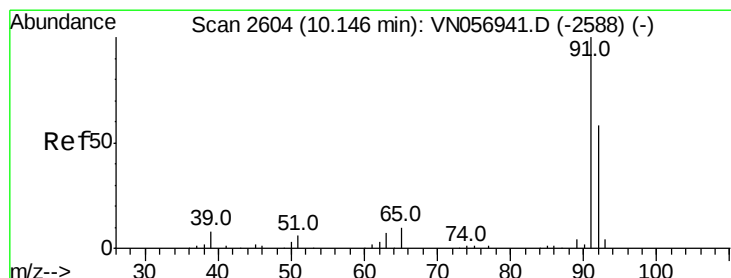
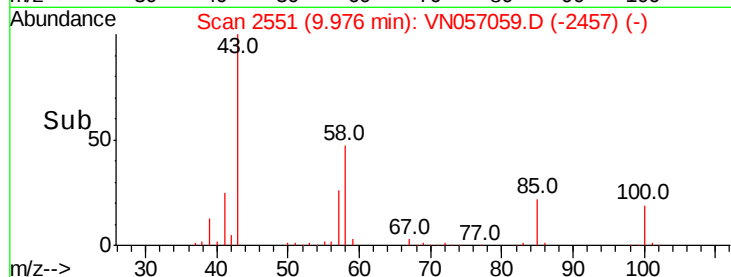
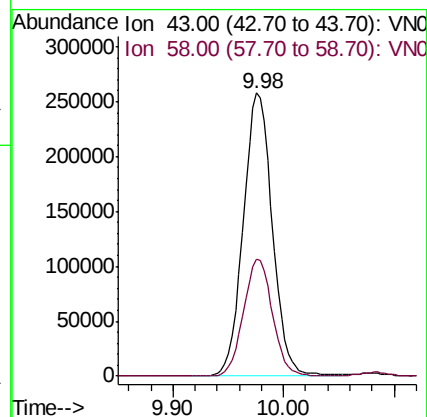
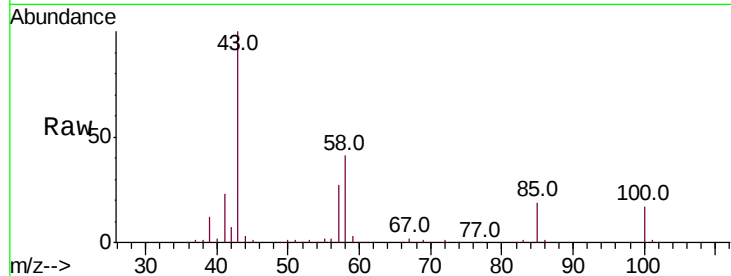
58 41.3 33.1 49.7

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#52

Toluene

Concen: 20.154 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN057059.D

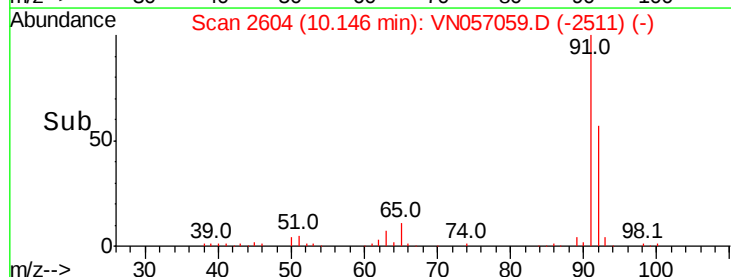
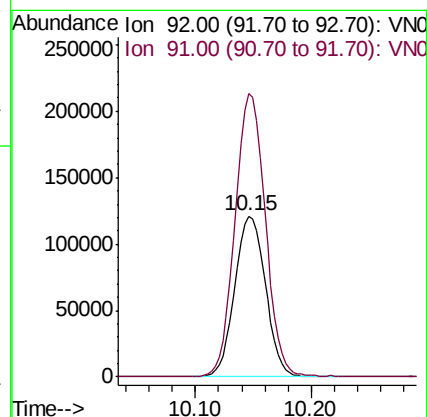
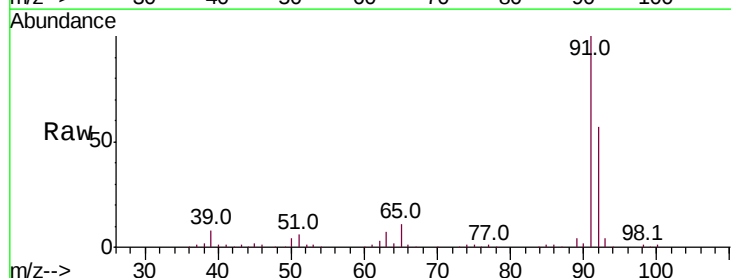
Acq: 2 Aug 2019 12:22

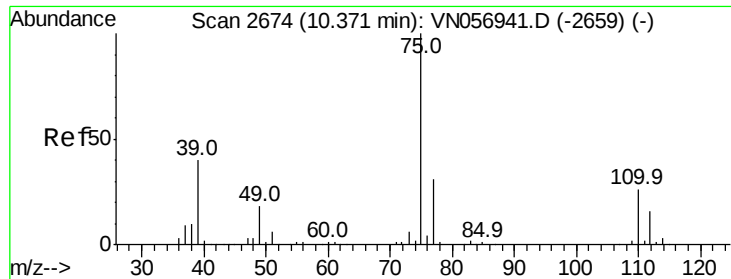
Tgt Ion: 92 Resp: 222306

Ion Ratio Lower Upper

92 100

91 173.5 138.0 207.0





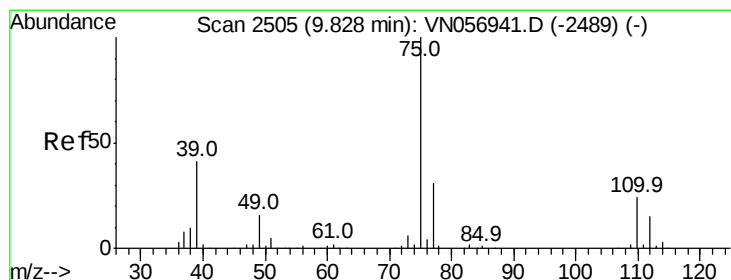
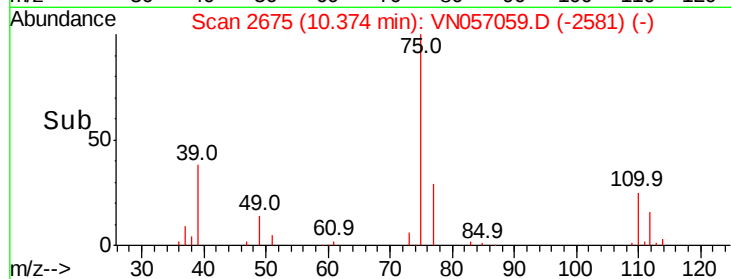
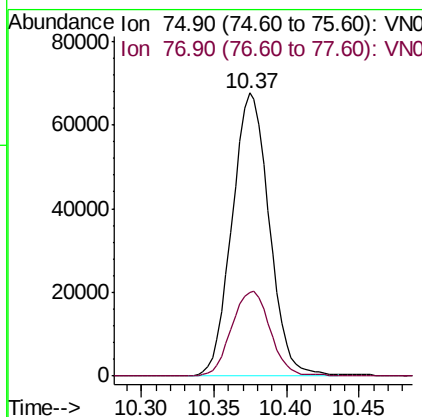
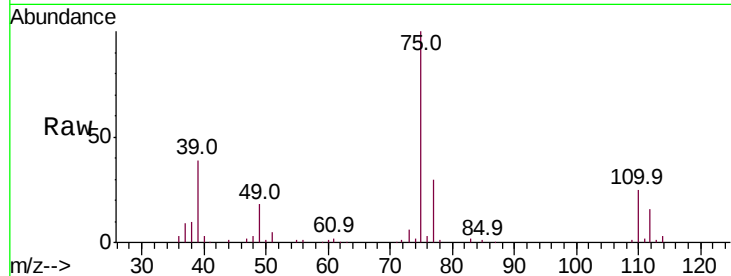
#53
t-1,3-Dichloropropene
Concen: 20.000 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion: 75 Resp: 120841
Ion Ratio Lower Upper
75 100
77 29.6 25.1 37.7

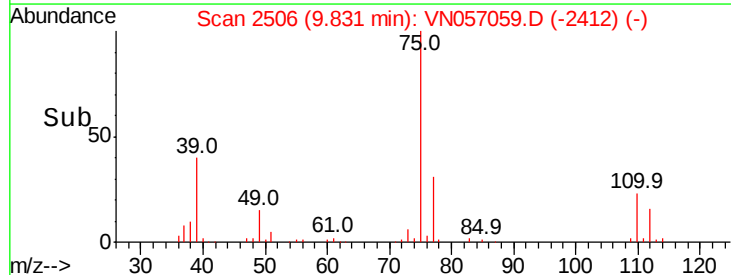
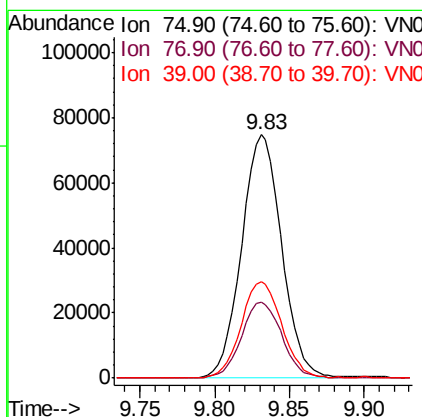
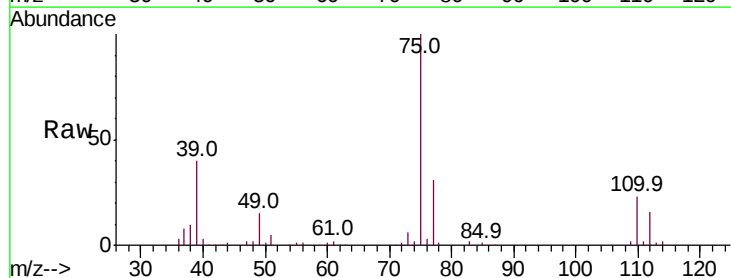
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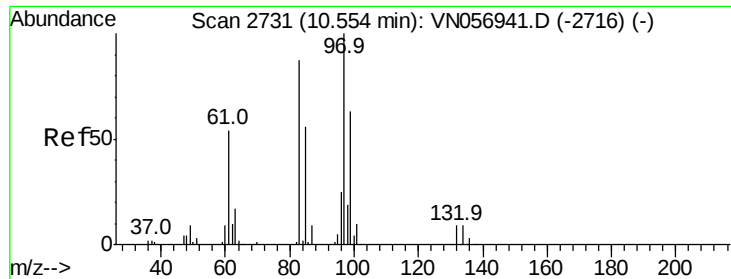
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#54
cis-1,3-Dichloropropene
Concen: 19.839 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion: 75 Resp: 139371
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6
39 39.5 32.6 49.0





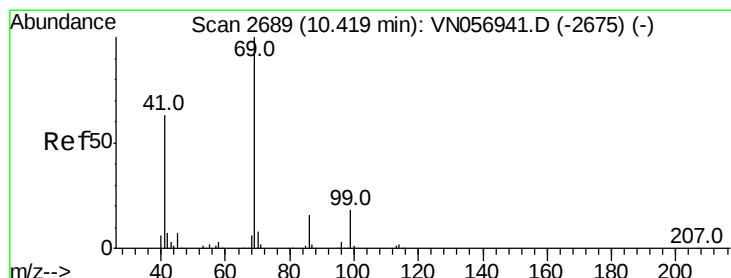
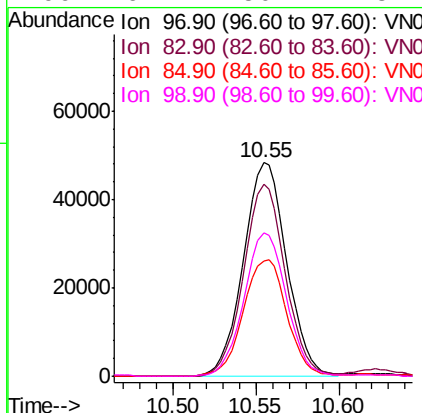
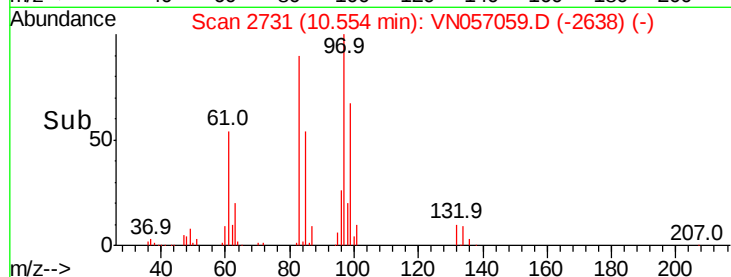
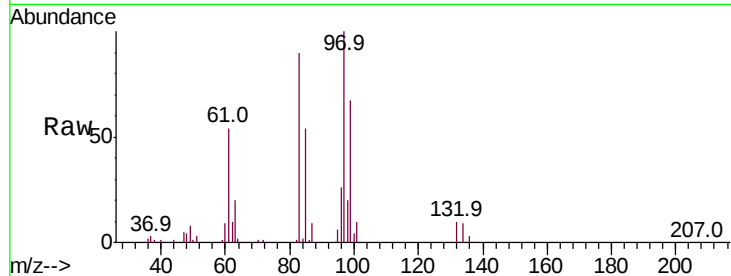
#55
 1,1,2-Trichloroethane
 Concen: 19.845 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

Tot Ion	97	Resp	87782
Ion	Ratio	Lower	Upper
97	100		
83	90.0	69.4	104.0
85	54.0	44.7	67.1
99	67.1	50.1	75.1

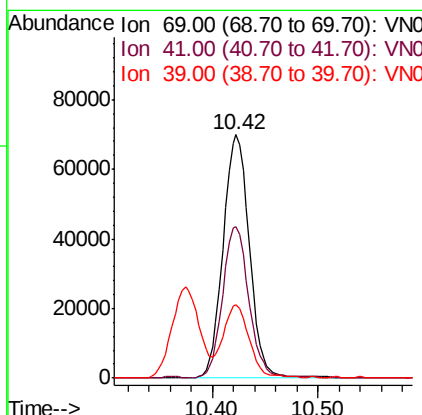
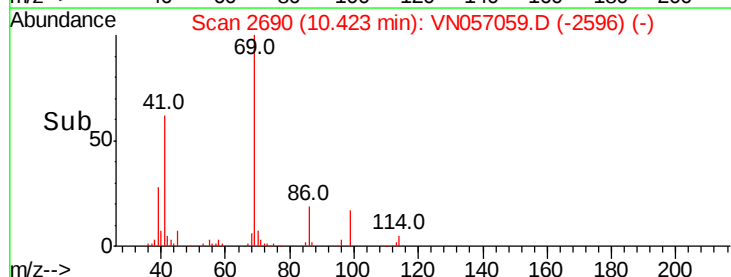
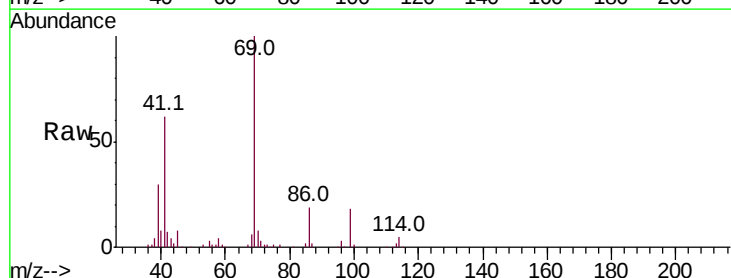
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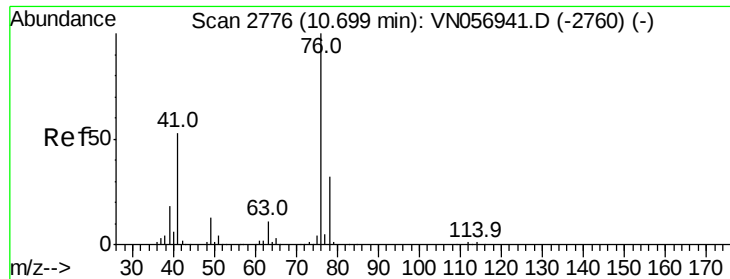
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#56
 Ethyl methacrylate
 Concen: 19.252 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Tgt Ion	69	Resp	121108
Ion	Ratio	Lower	Upper
69	100		
41	61.5	49.2	73.8
39	29.3	23.1	34.7





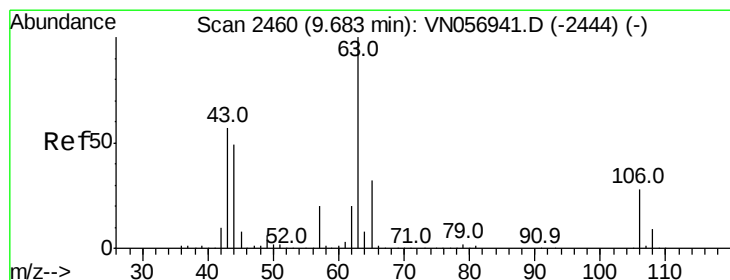
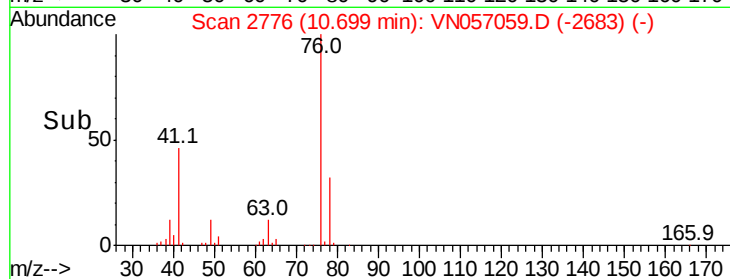
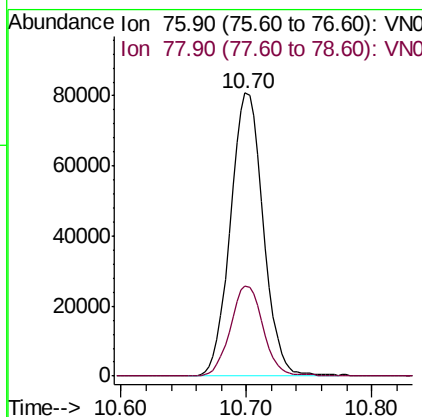
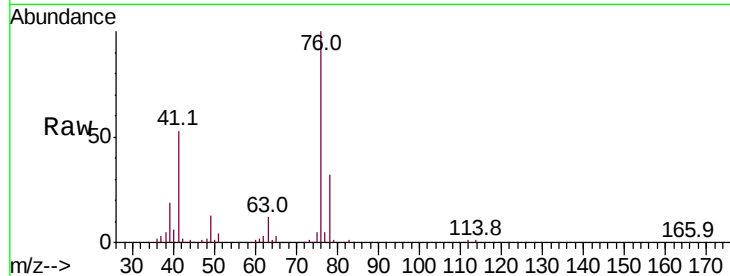
#57
 1,3-Dichloropropane
 Concen: 20.024 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.9	38.9

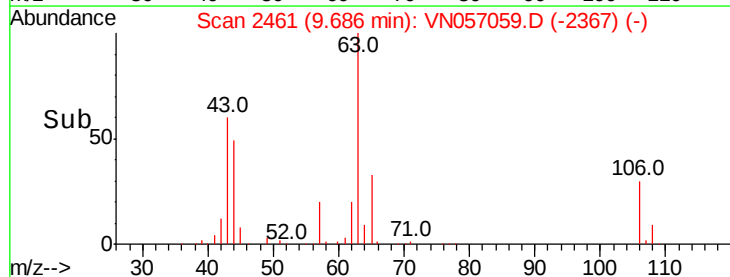
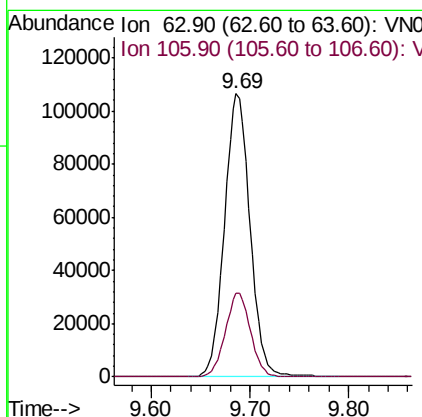
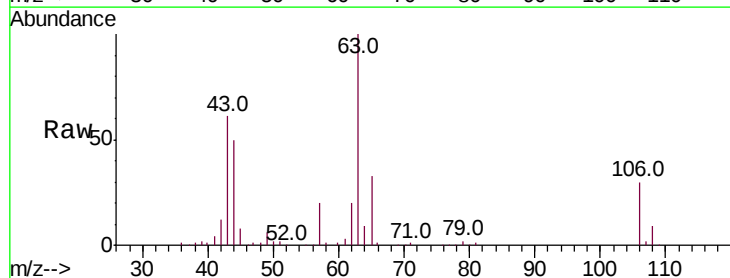
Manual Integrations
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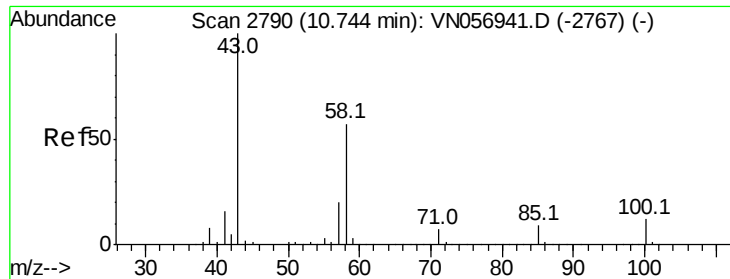
MMDadoda
 8/6/2019 2:16:50 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 73.085 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.0	22.0	33.0





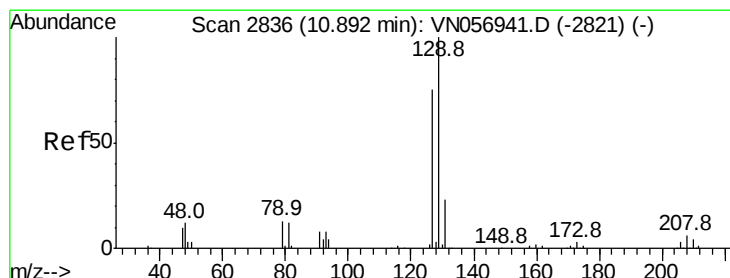
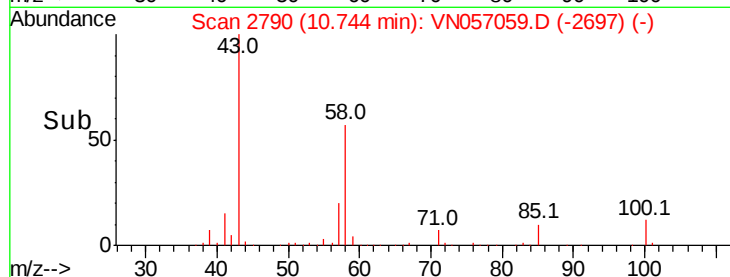
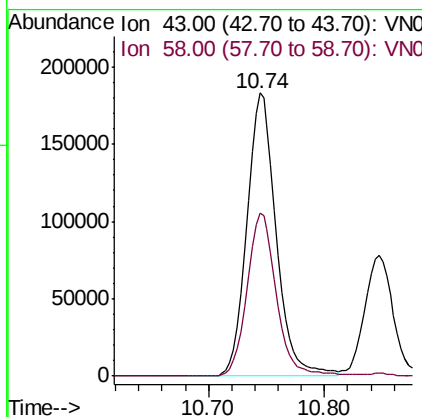
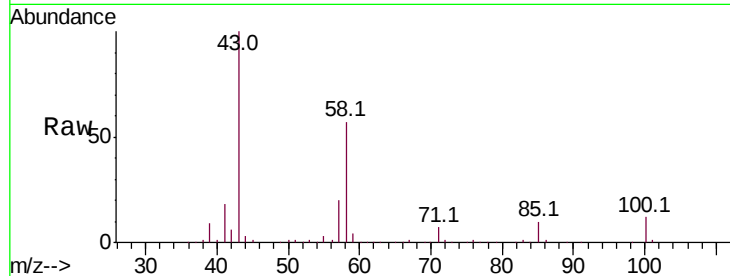
#59
2-Hexanone
Concen: 91.044 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion: 43 Resp: 322904
Ion Ratio Lower Upper
43 100
58 57.6 28.5 85.5

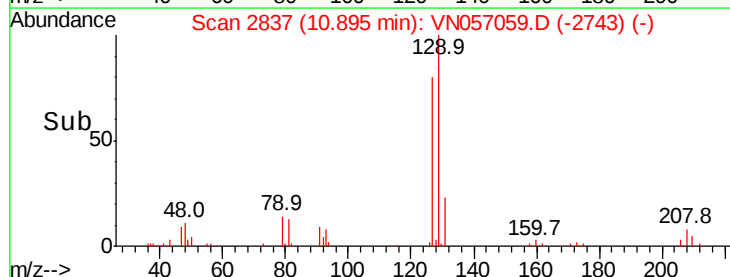
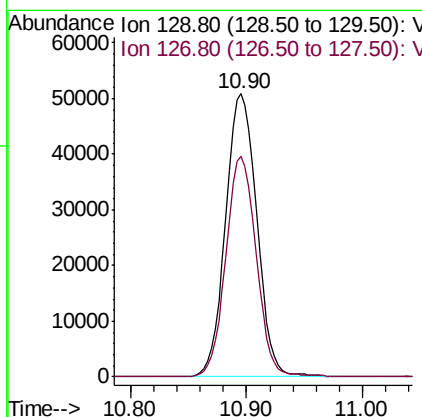
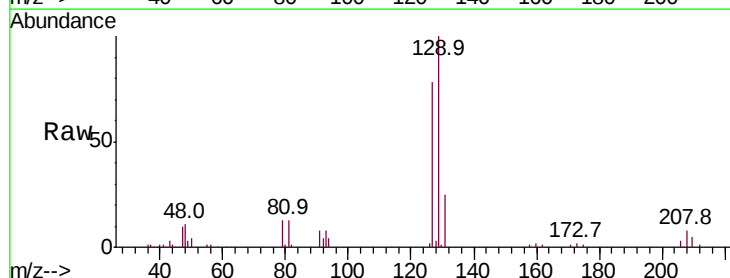
Manual Integrations
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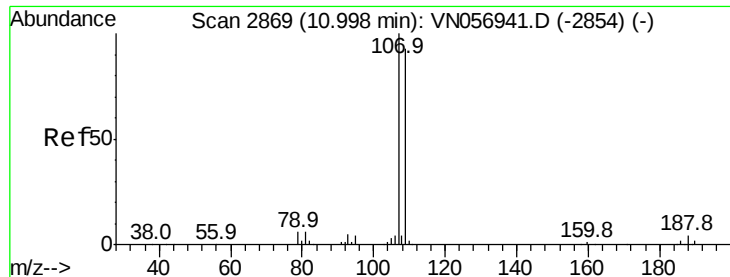
MMDadoda
8/6/2019 2:16:50 PM



#60
Dibromochloromethane
Concen: 20.863 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion: 129 Resp: 94549
Ion Ratio Lower Upper
129 100
127 76.0 38.0 113.9





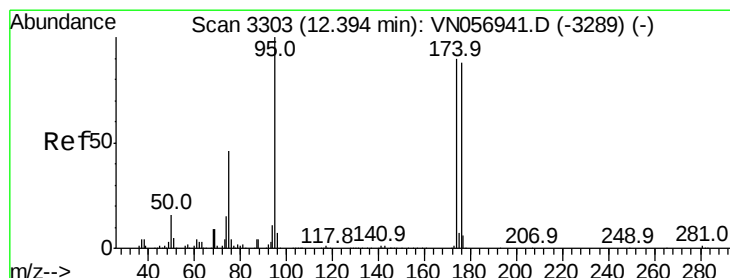
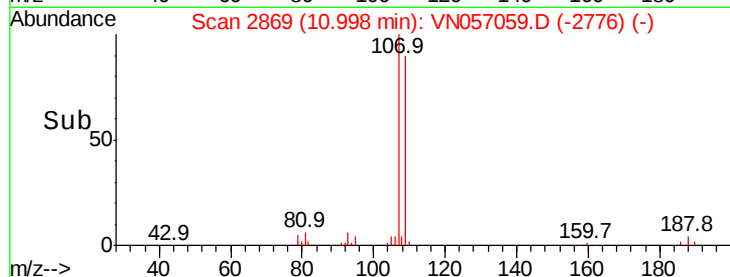
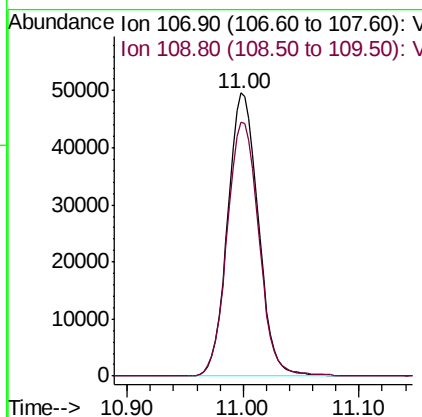
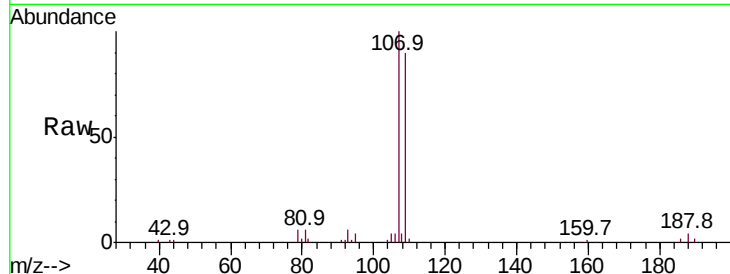
#61
 1,2-Dibromoethane
 Concen: 21.042 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	76.0	114.0

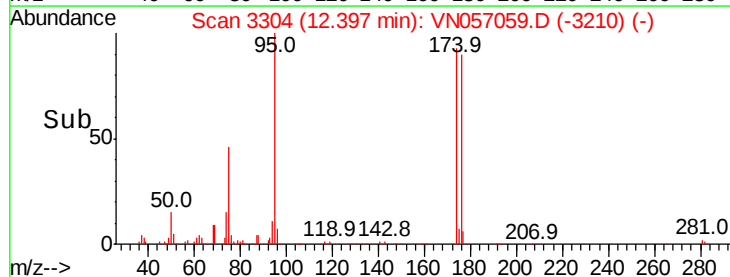
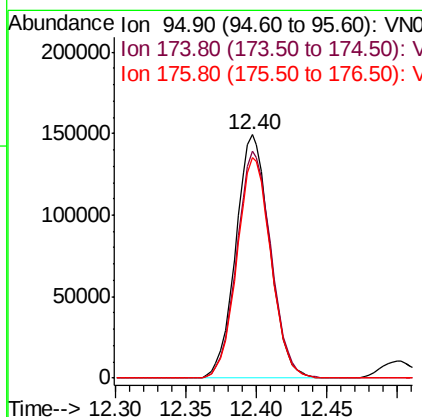
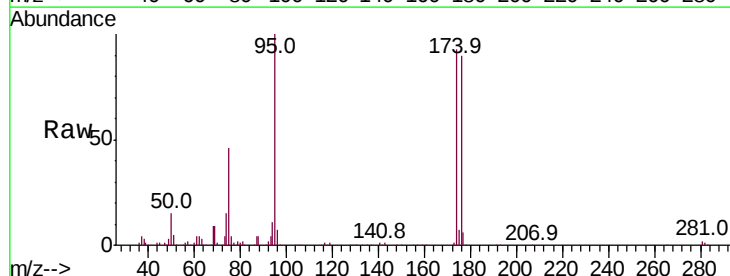
Manual Integrations
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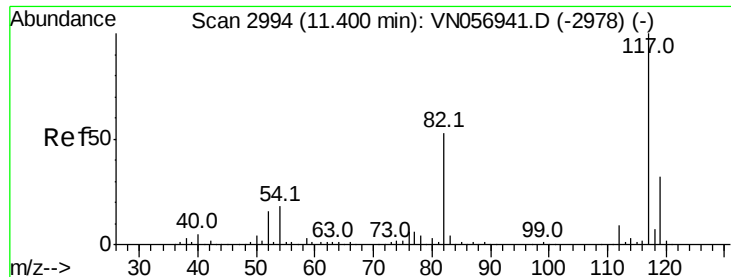
MMDadoda
 8/6/2019 2:16:50 PM



#62
 4-Bromofluorobenzene
 Concen: 46.895 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.0	0.0	182.2
176	90.2	0.0	179.4





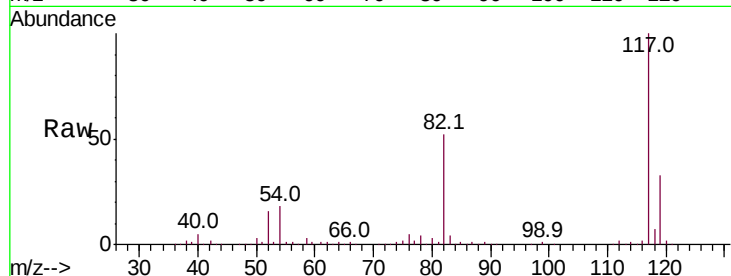
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.2	63.4
119	32.7	25.8	38.6

Manual Integrations
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MMDadoda
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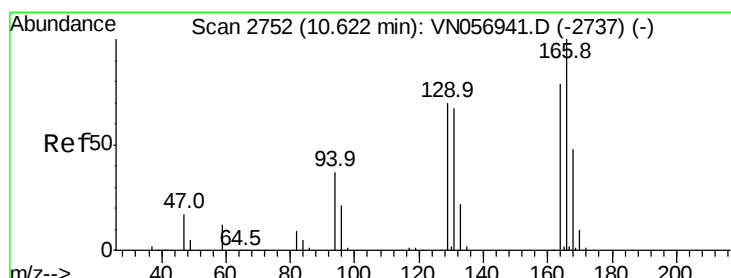
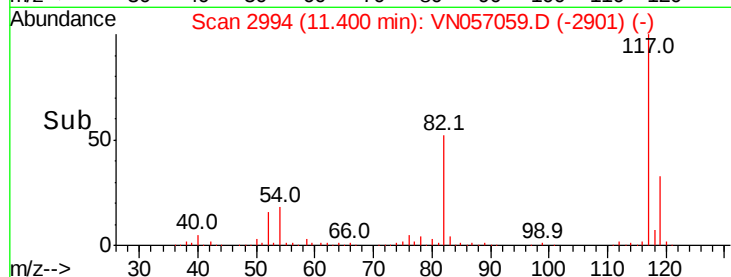
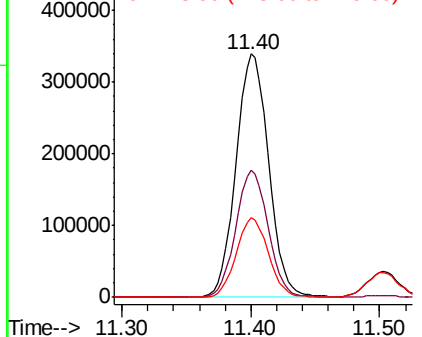


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.279 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	101.1	151.7
129	91.8	70.9	106.3
131	86.2	67.7	101.5

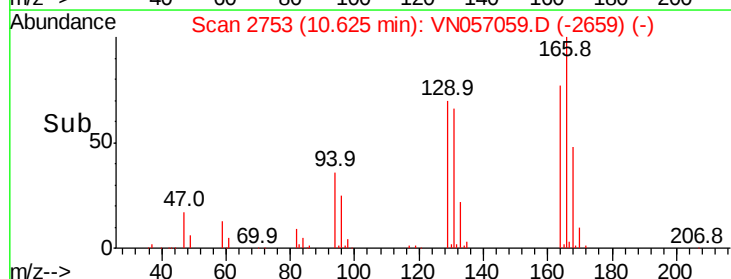
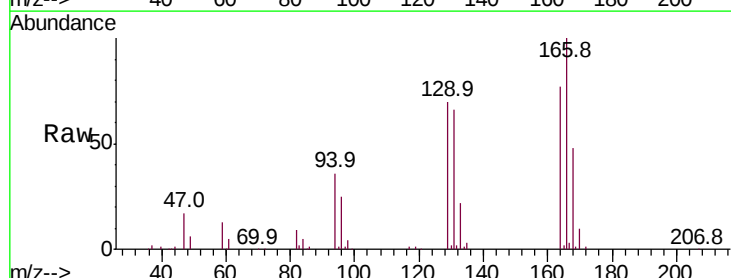
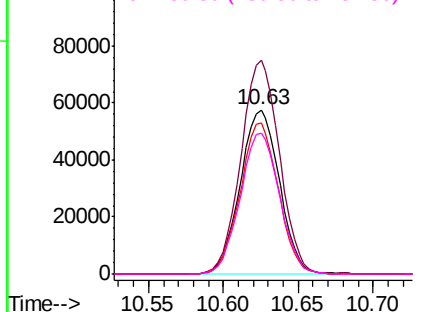
Abundance

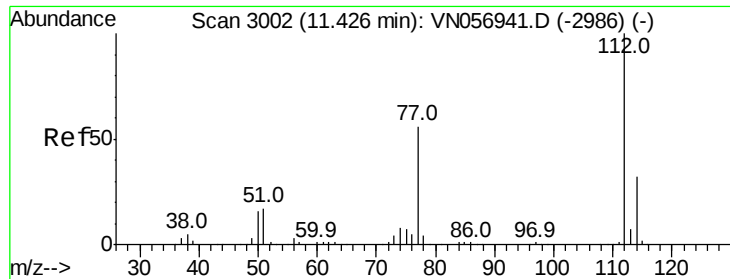
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





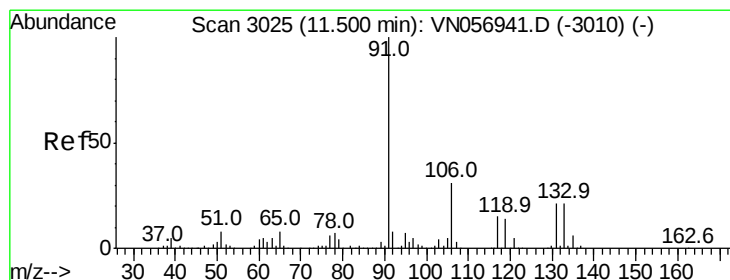
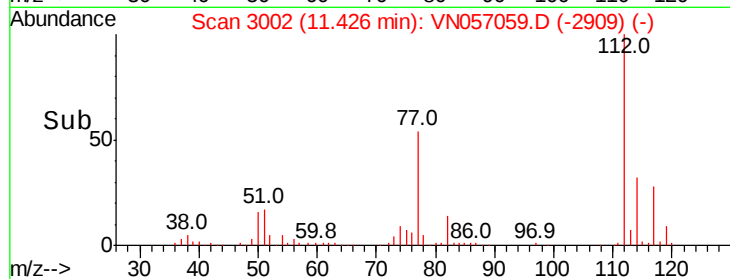
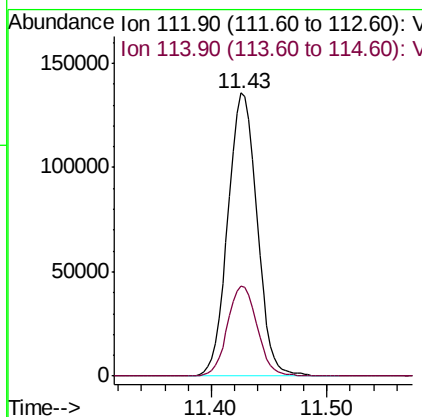
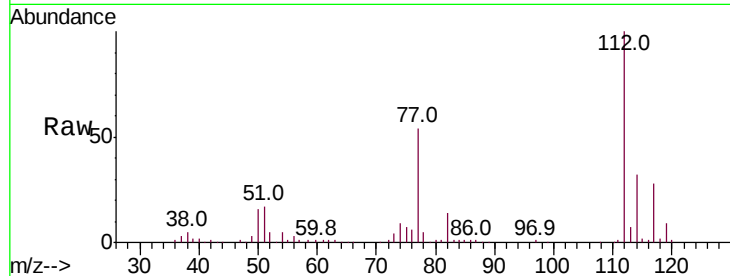
#65
Chlorobenzene
Concen: 19.442 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion:112 Resp: 237360
Ion Ratio Lower Upper
112 100
114 31.6 26.0 39.0

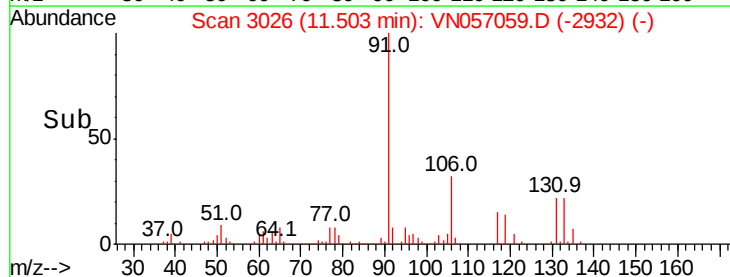
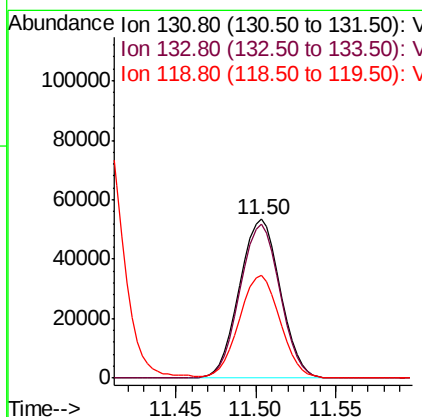
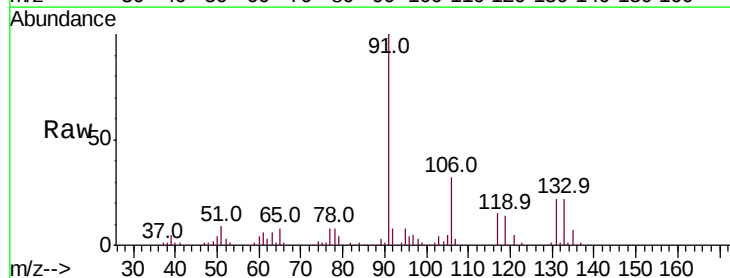
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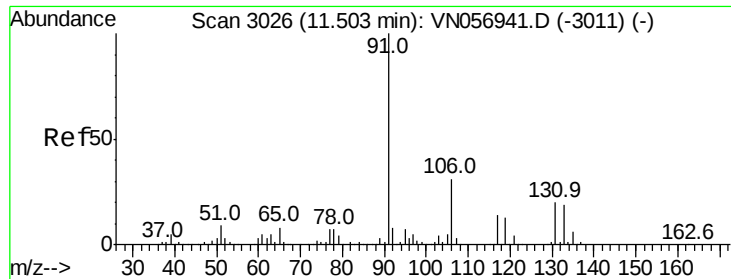
MMDadoda
8/6/2019 2:16:50 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.300 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion:131 Resp: 93282
Ion Ratio Lower Upper
131 100
133 95.0 48.0 144.0
119 64.9 33.2 99.6





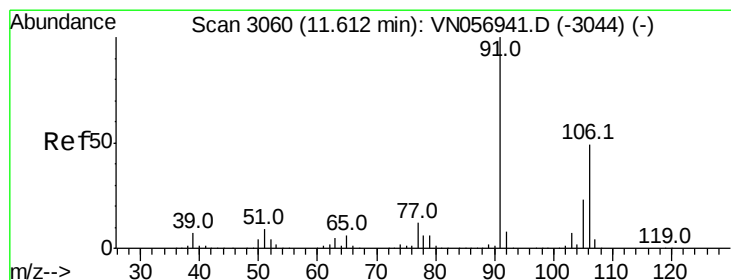
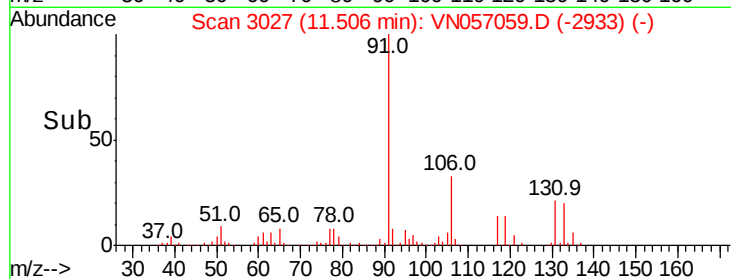
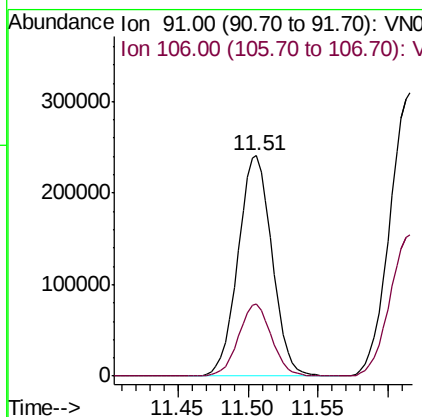
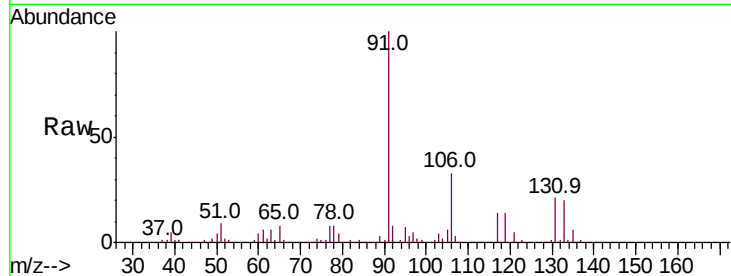
#67
Ethyl Benzene
Concen: 19.283 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Instrument :
MSVOA_N
ClientSampled :
VN0802WBSD01

Tot Ion: 91 Resp: 406875
Ion Ratio Lower Upper
91 100
106 32.6 25.1 37.7

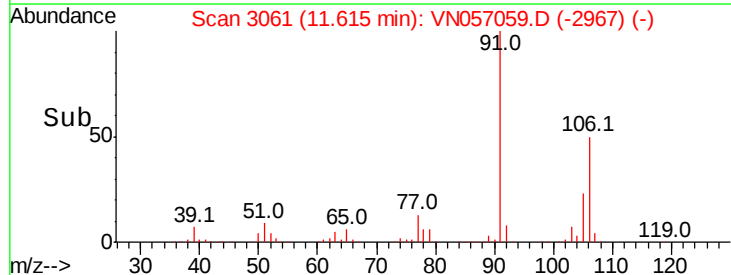
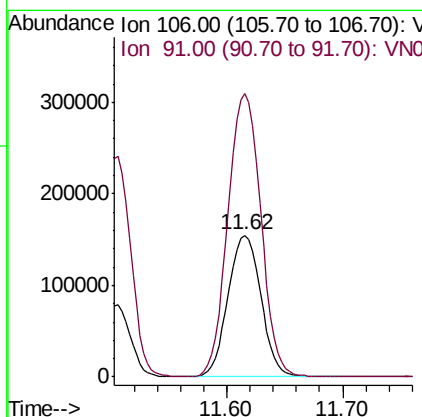
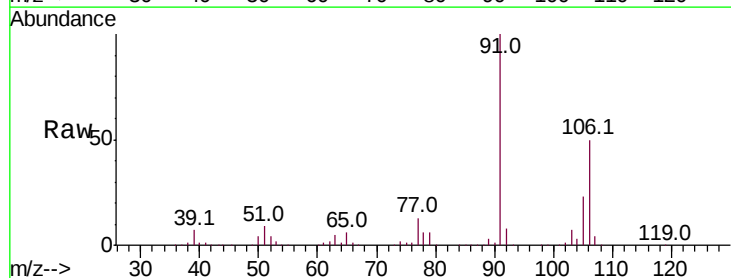
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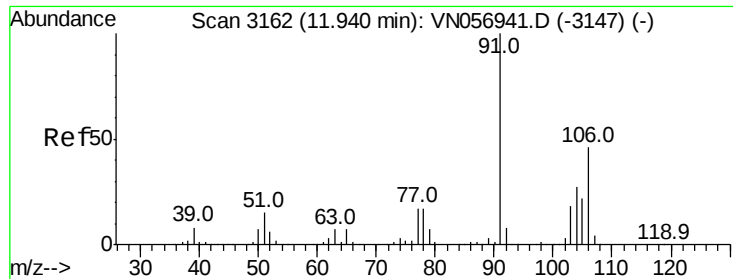
MMDadoda
8/6/2019 2:16:50 PM



#68
m/p-Xylenes
Concen: 39.115 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion: 106 Resp: 304591
Ion Ratio Lower Upper
106 100
91 200.1 160.0 240.0





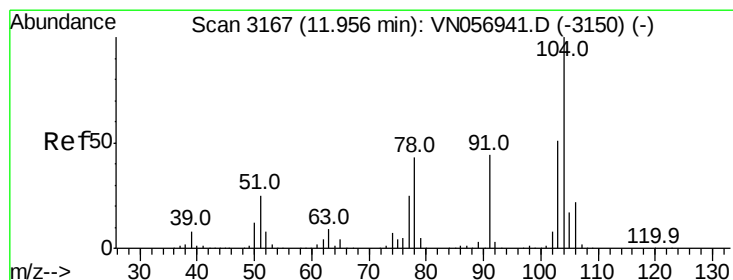
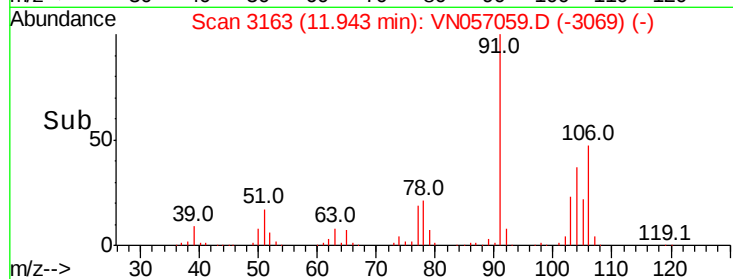
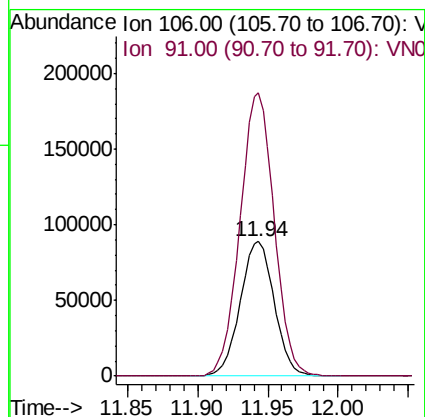
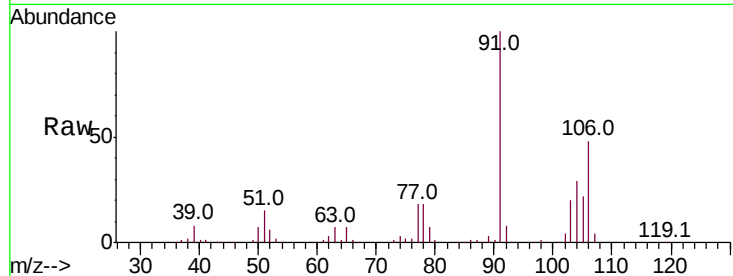
#69
o-Xylene
Concen: 19.776 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion:106 Resp: 150664
Ion Ratio Lower Upper
106 100
91 210.9 106.2 318.6

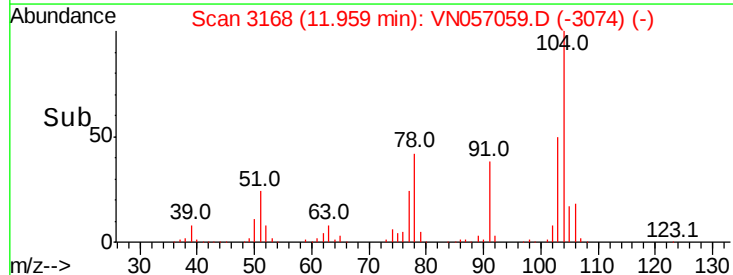
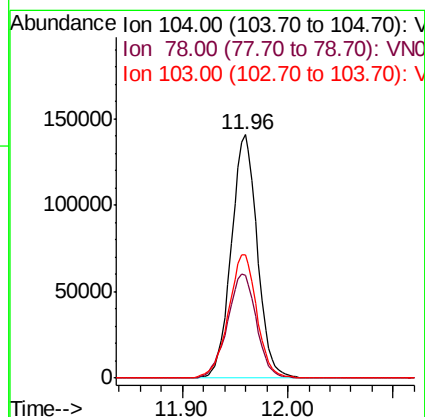
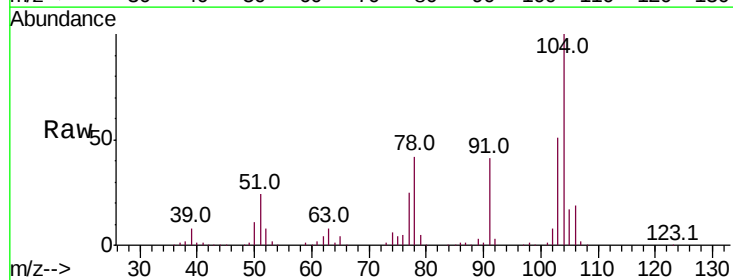
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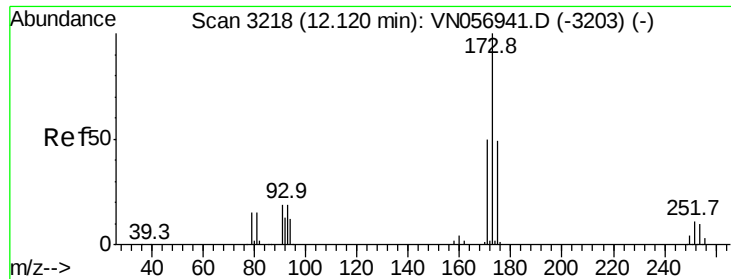
MMDadoda
8/6/2019 2:16:50 PM



#70
Styrene
Concen: 19.033 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion:104 Resp: 240116
Ion Ratio Lower Upper
104 100
78 47.9 38.1 57.1
103 55.4 44.3 66.5





#71

Bromoform

Concen: 20.079 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

Tot Ion:173 Resp: 64415

Ion Ratio Lower Upper

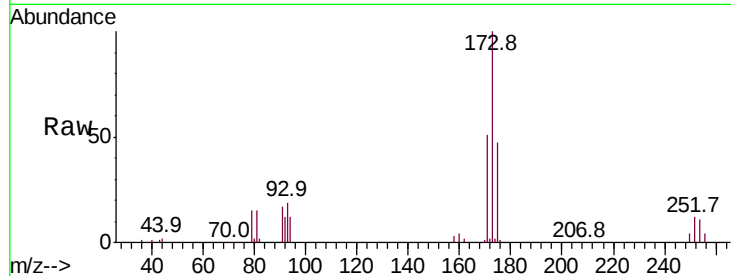
173 100

175 48.7 24.1 72.4

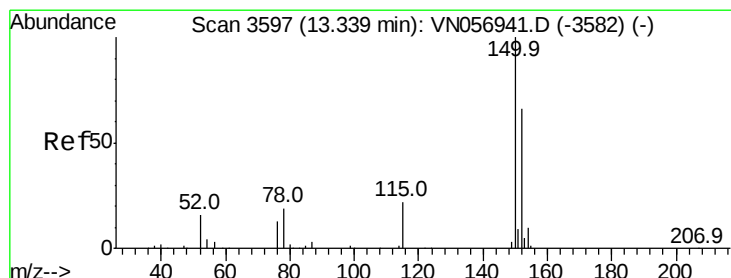
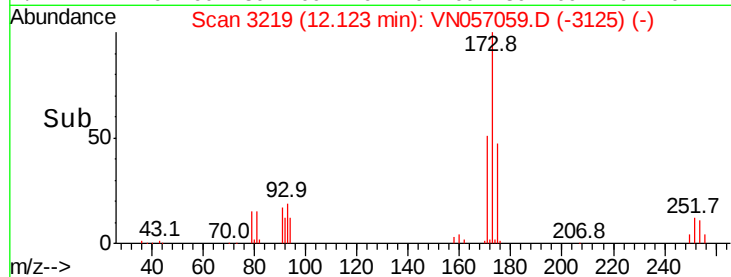
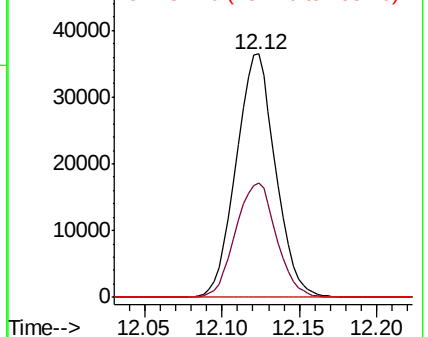
254 0.0 0.1 0.1#

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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# 3598

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

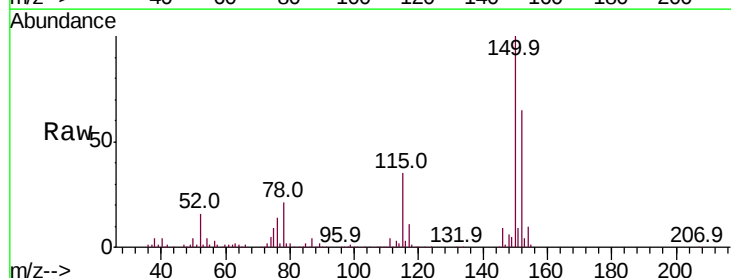
Tgt Ion:152 Resp: 218708

Ion Ratio Lower Upper

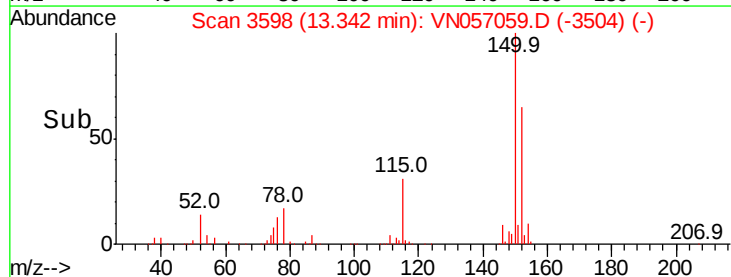
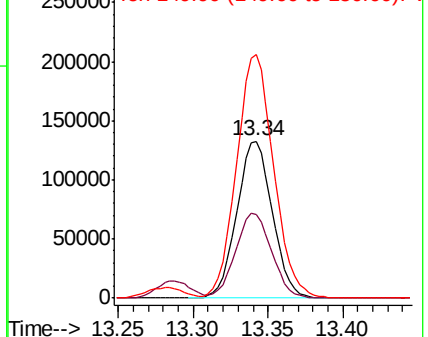
152 100

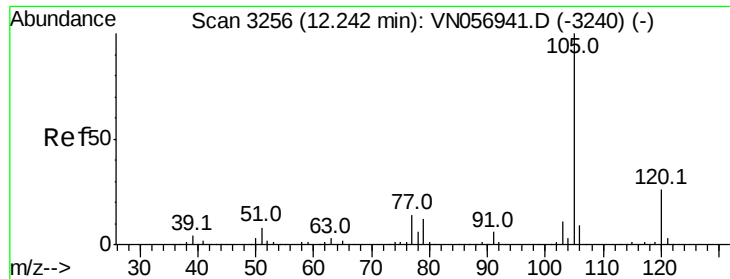
115 54.9 28.2 84.6

150 162.7 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





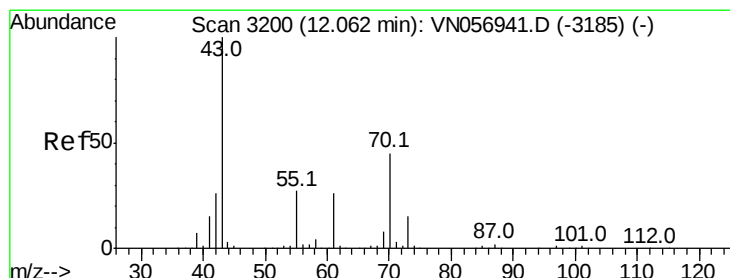
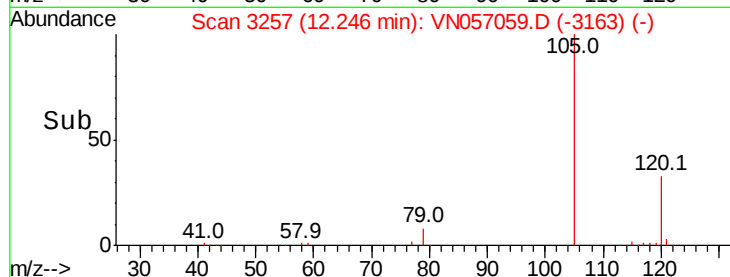
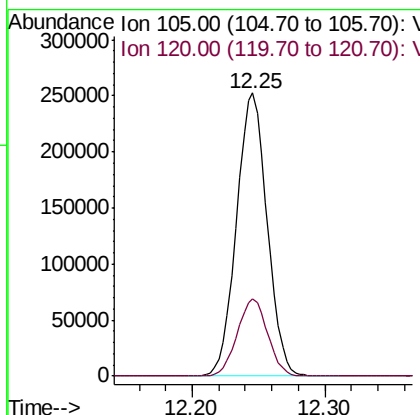
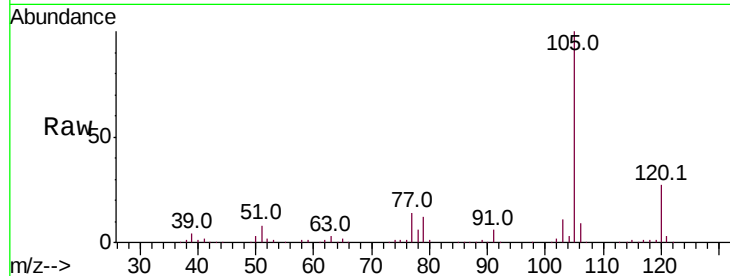
#73
Isopropylbenzene
Concen: 21.393 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion:105 Resp: 404372
Ion Ratio Lower Upper
105 100
120 27.1 13.5 40.5

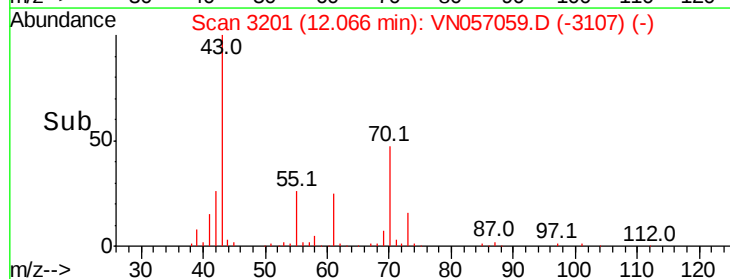
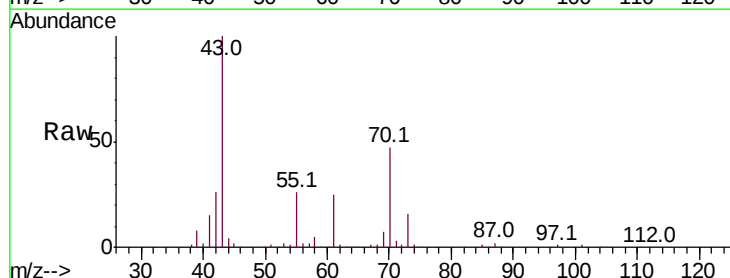
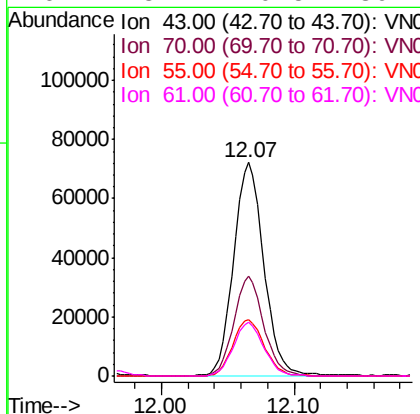
Manual Integrations
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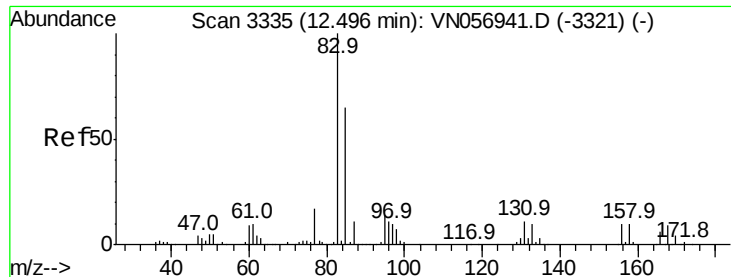
MMDadoda
8/6/2019 2:16:50 PM



#74
N-ethyl acetate
Concen: 20.854 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion: 43 Resp: 114456
Ion Ratio Lower Upper
43 100
70 45.9 36.5 54.7
55 27.3 21.4 32.0
61 25.4 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.606 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

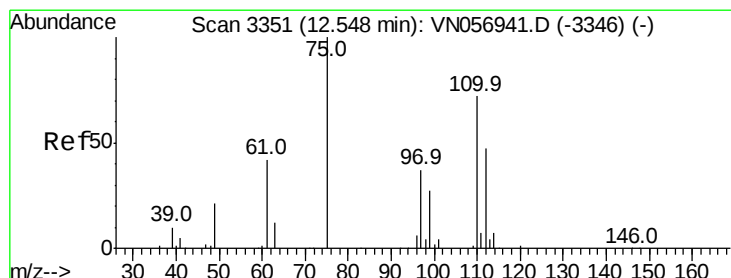
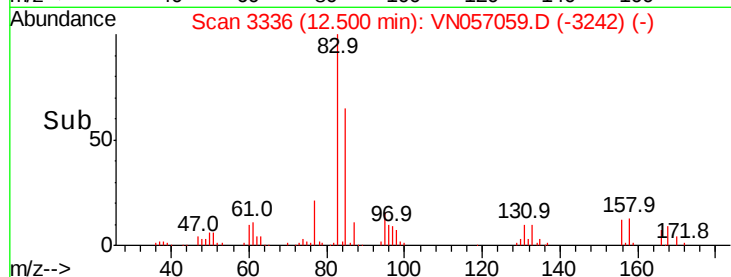
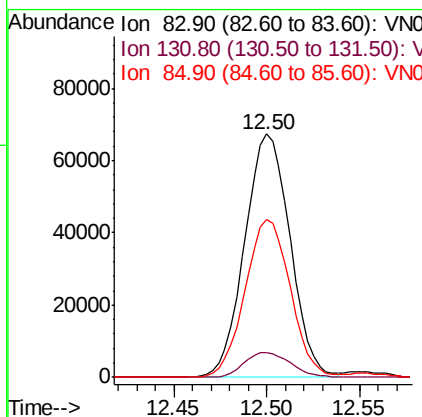
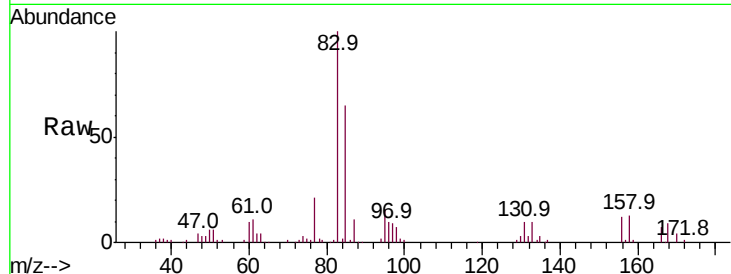
ClientSampleId :

VN0802WBSD01

Tot Ion:	83	Resp:	114689
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	16.1
85	64.9	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.757 ug/l m

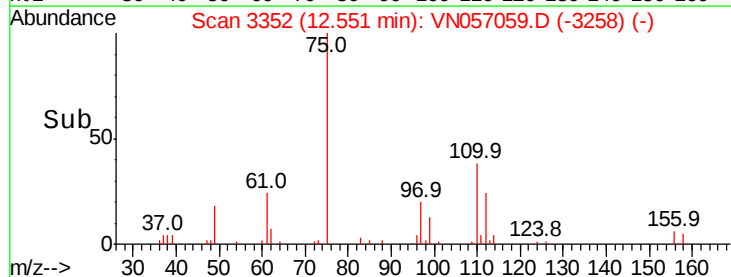
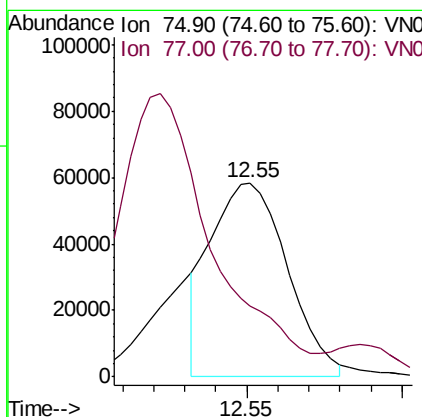
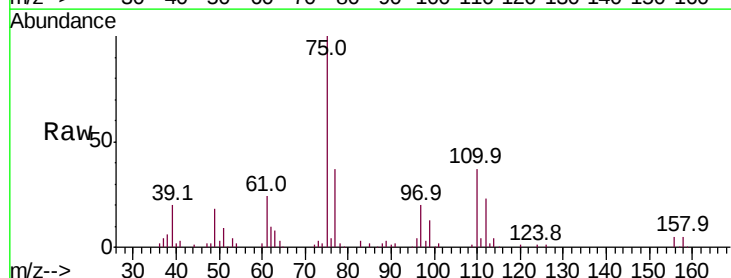
RT: 12.55 min Scan# 3352

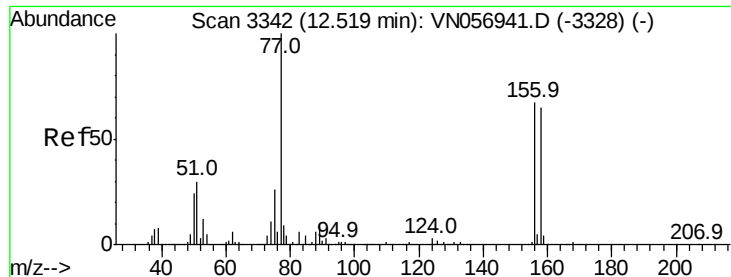
Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Tgt Ion:	75	Resp:	101078
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.222 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

Tot Ion:156 Resp: 104690

Ion Ratio Lower Upper

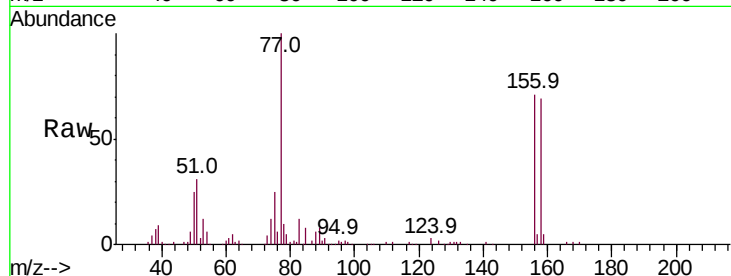
156 100

77 174.3 89.5 268.5

158 96.9 48.4 145.3

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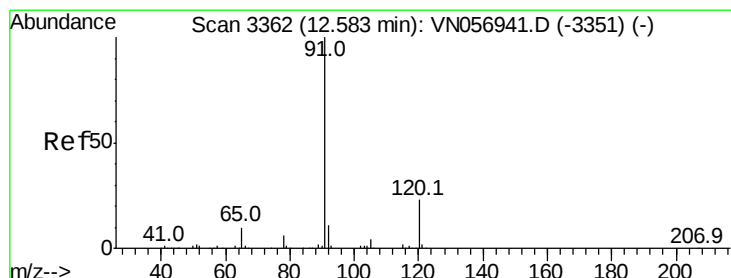
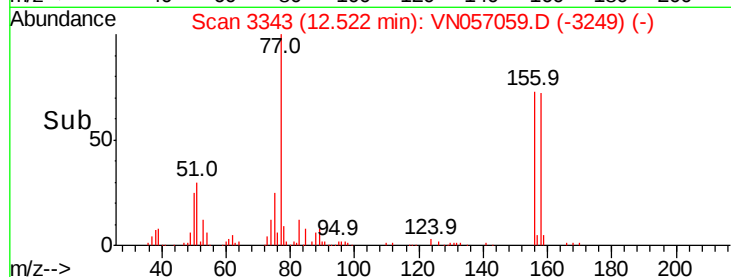
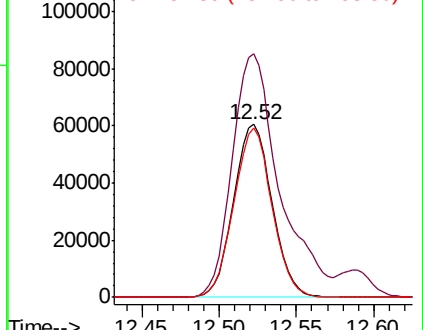
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.384 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN057059.D

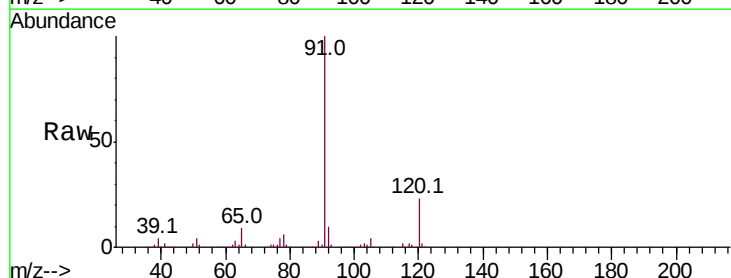
Acq: 2 Aug 2019 12:22

Tgt Ion: 91 Resp: 411386

Ion Ratio Lower Upper

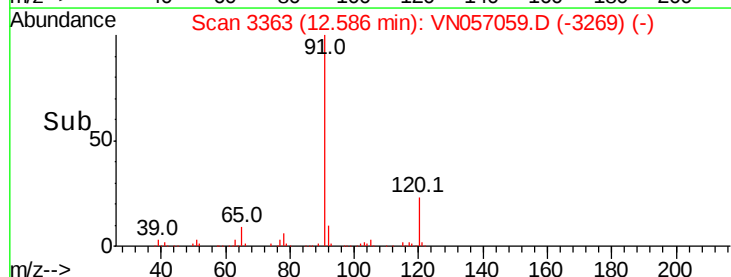
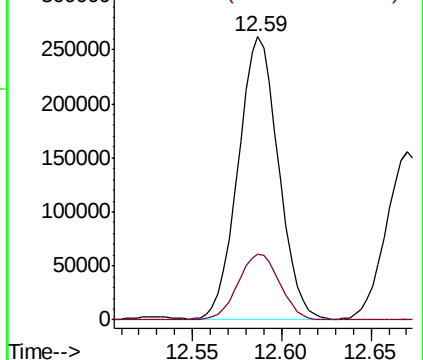
91 100

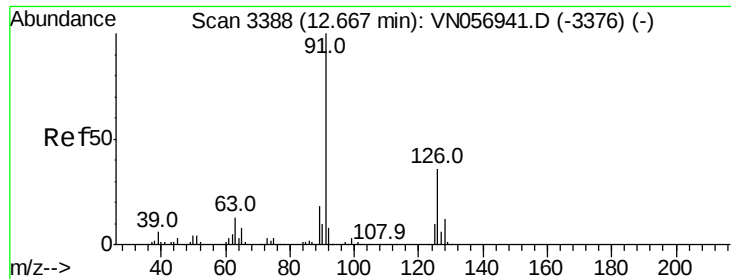
120 24.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.701 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

Tot Ion: 91 Resp: 257258

Ion Ratio Lower Upper

91 100

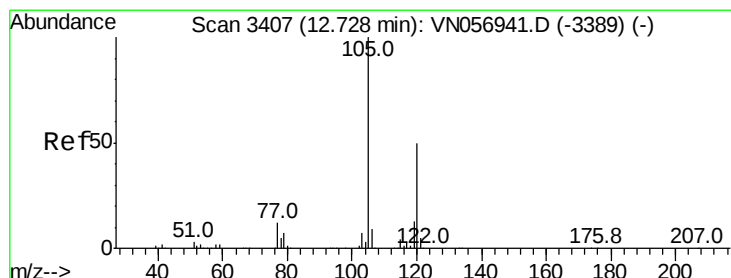
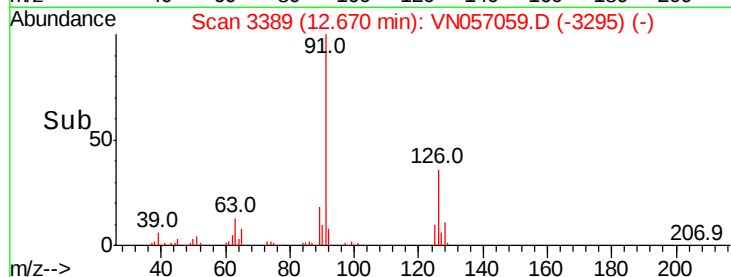
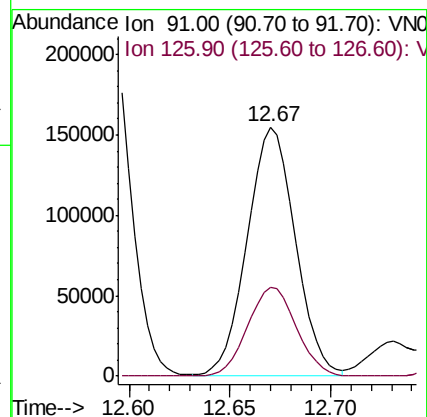
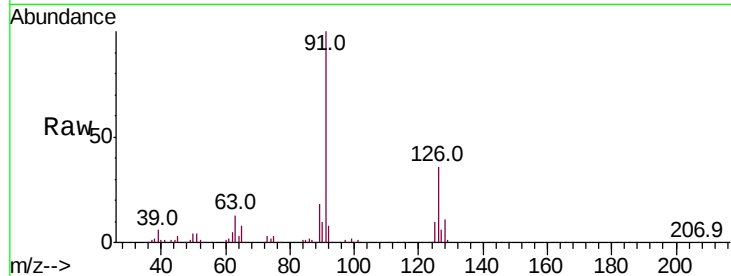
126 36.5 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 21.797 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN057059.D

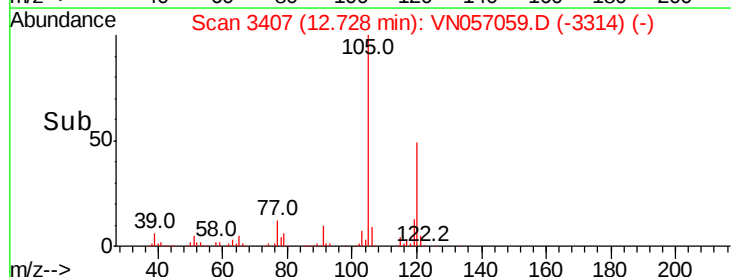
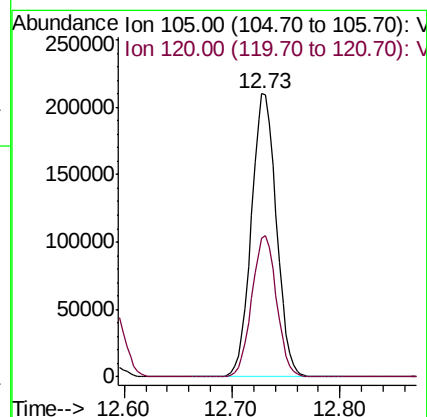
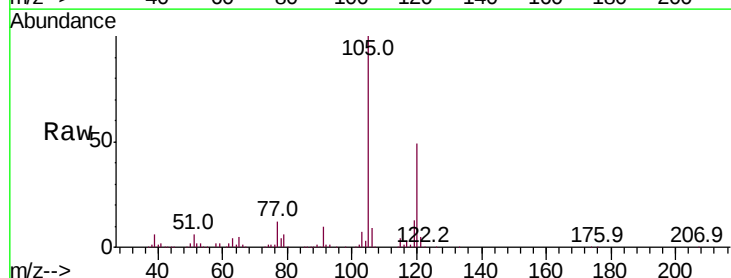
Acq: 2 Aug 2019 12:22

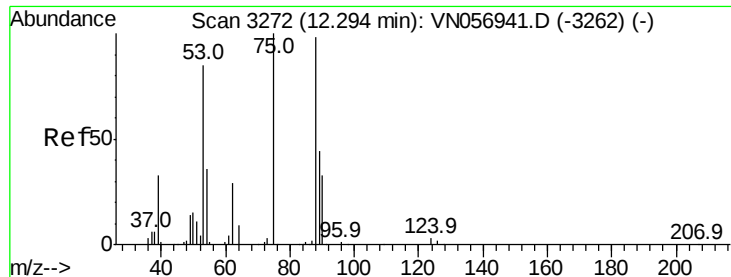
Tgt Ion: 105 Resp: 338143

Ion Ratio Lower Upper

105 100

120 49.4 24.8 74.3





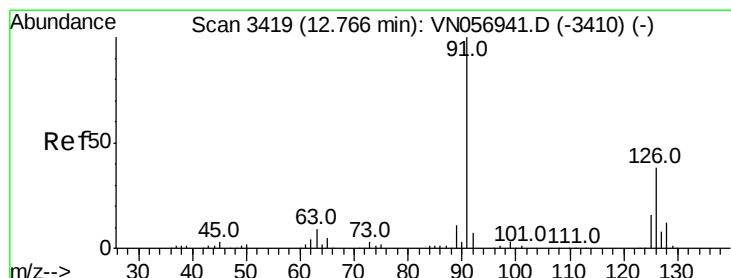
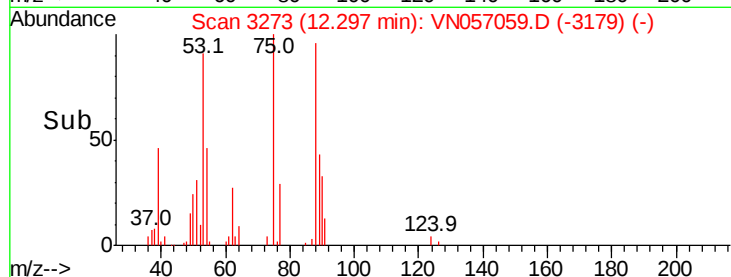
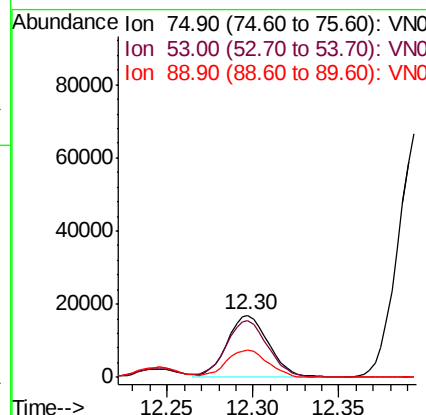
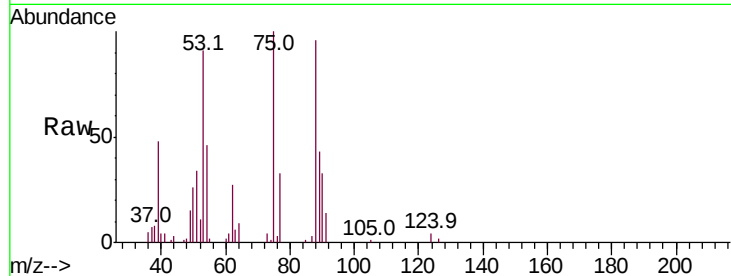
#81
trans-1,4-Dichloro-2-butene
Concen: 20.752 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.1	69.3	103.9
89	43.8	35.8	53.6

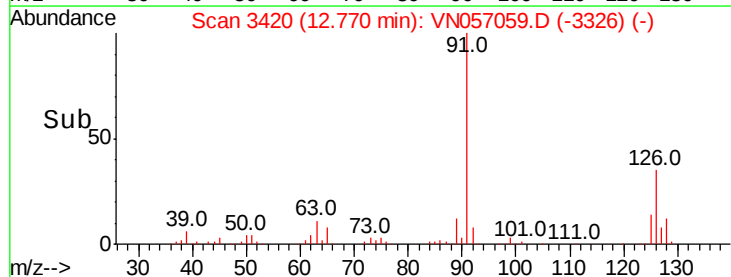
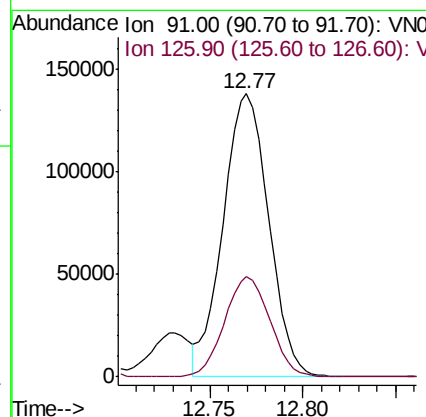
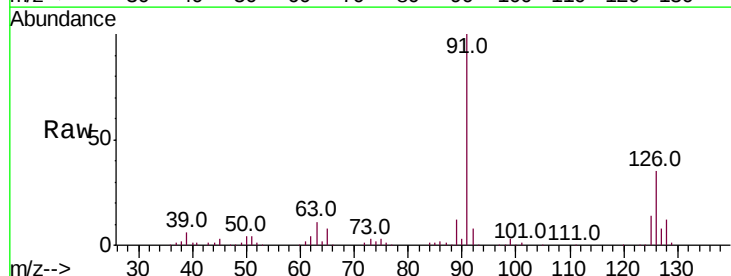
Manual Integrations
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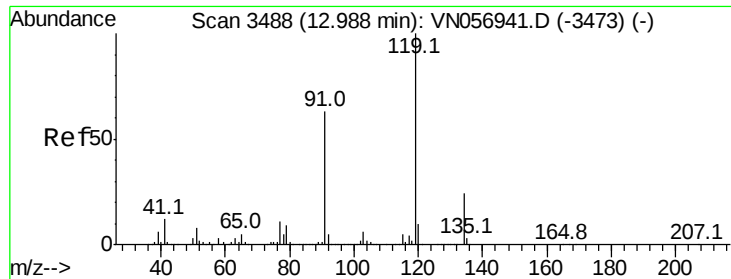
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.196 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.5	52.5





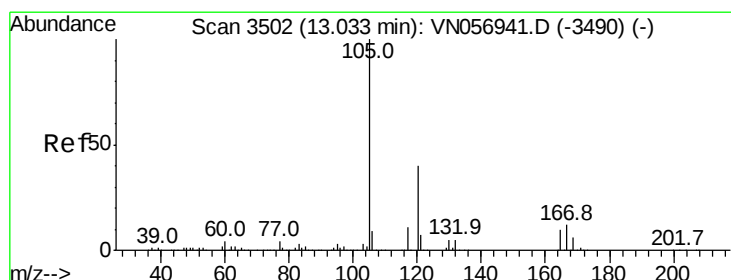
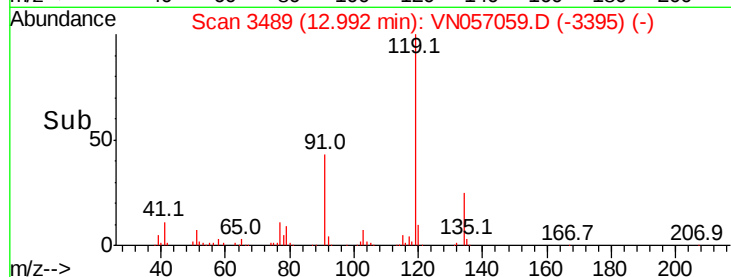
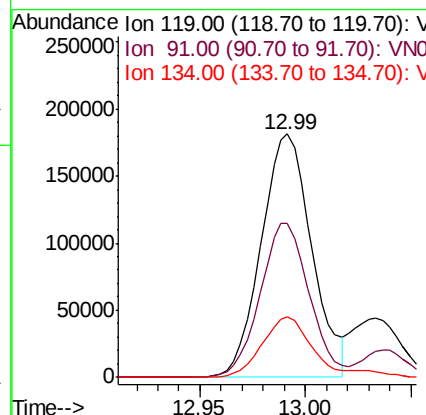
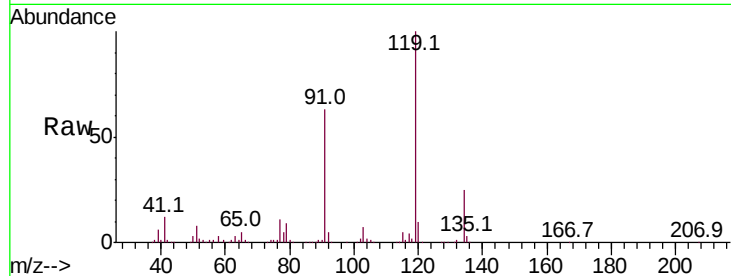
#83
tert-Butylbenzene
Concen: 22.069 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	303081		
91	61.5	31.3	93.8	
134	24.1	13.3	39.8	

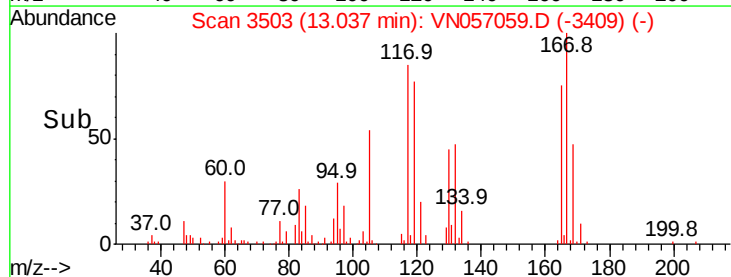
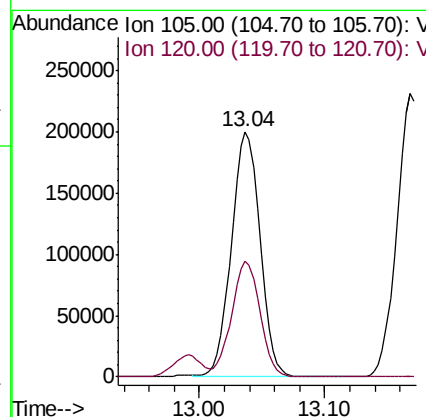
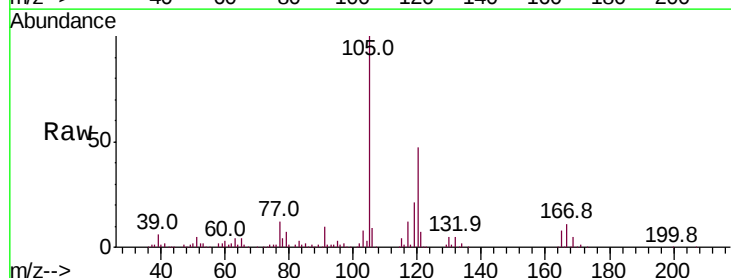
Manual Integrations
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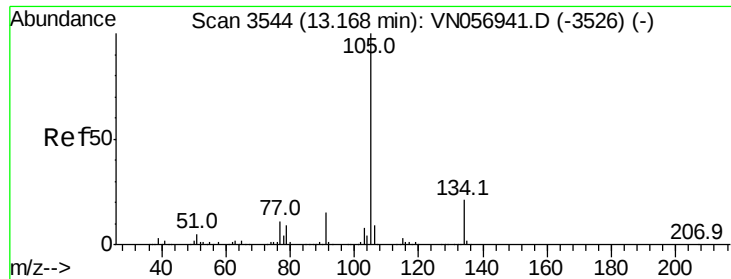
MMDadoda
8/6/2019 2:16:50 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.288 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	317771		
120	46.8	23.2	69.6	





#85

sec-Butylbenzene

Concen: 20.853 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD01

Tot Ion:105 Resp: 369385

Ion Ratio Lower Upper

105 100

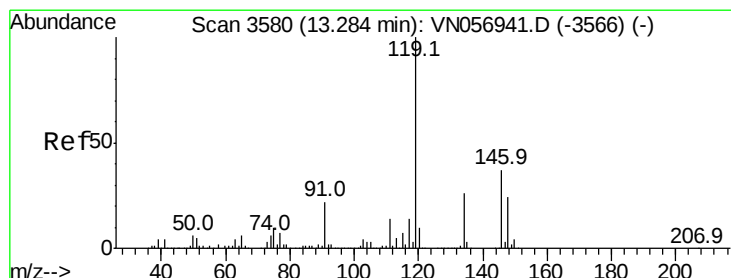
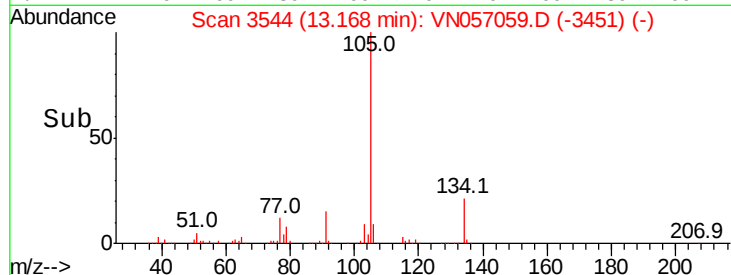
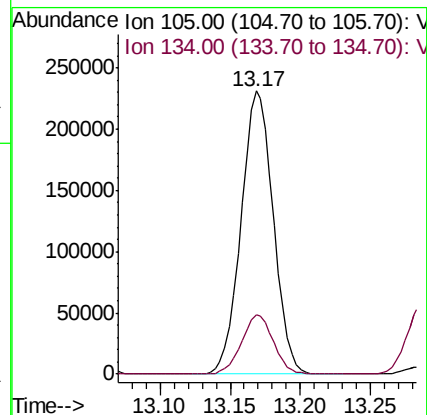
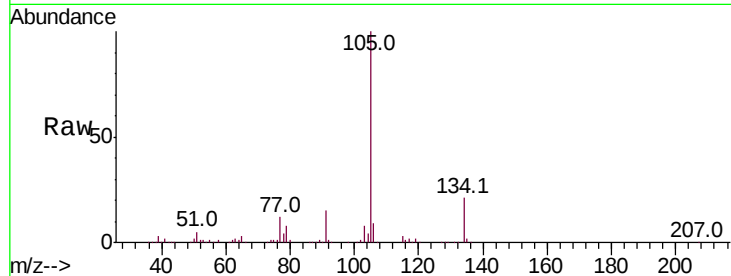
134 20.7 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.728 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

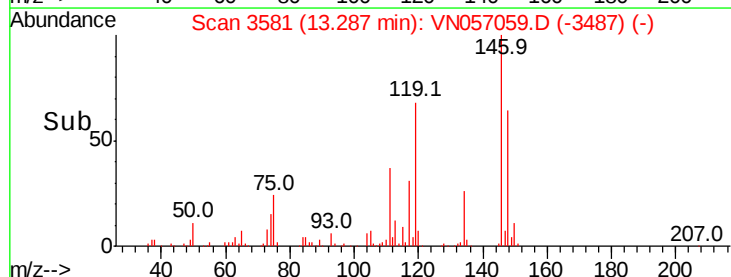
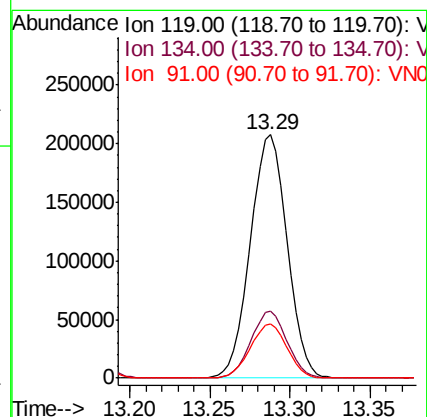
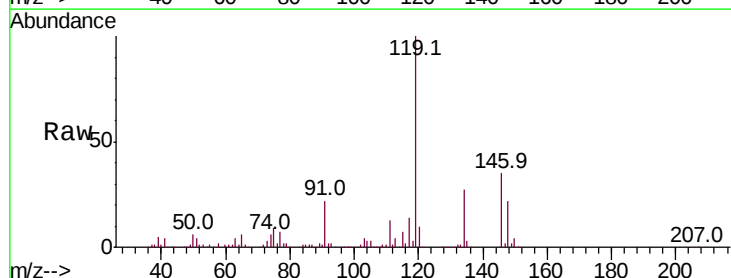
Tgt Ion:119 Resp: 325992

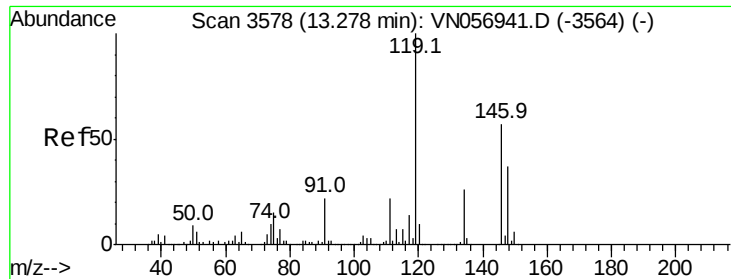
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 22.2 11.0 33.0





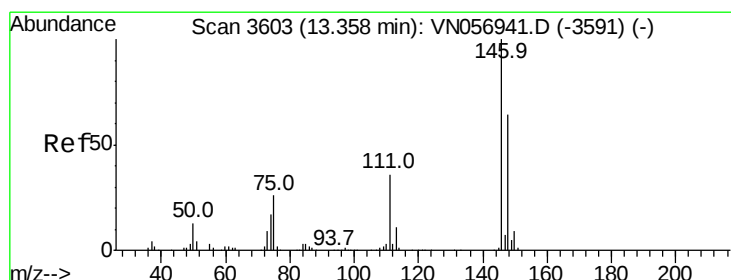
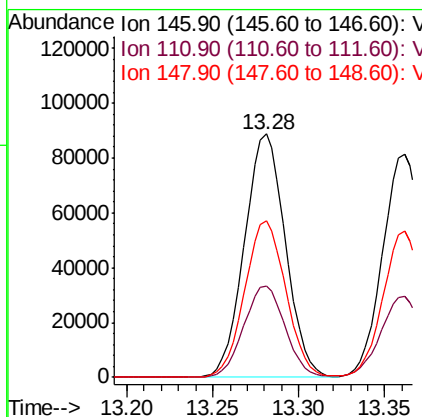
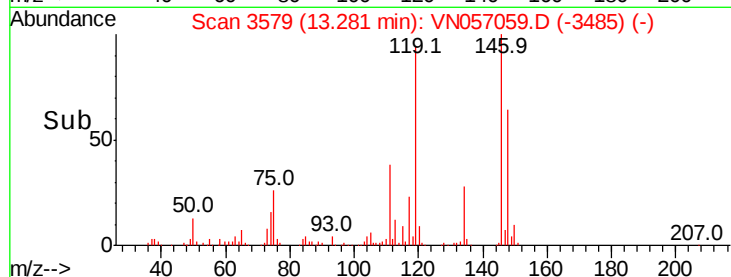
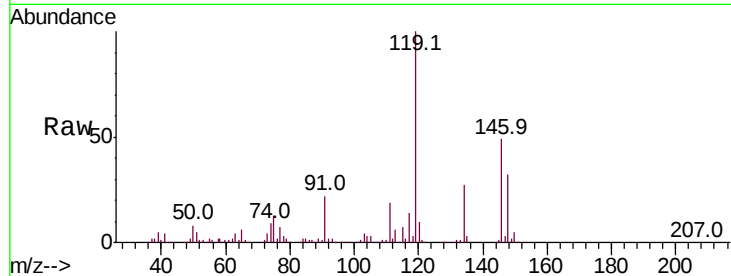
#87
 1,3-Dichlorobenzene
 Concen: 19.600 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	55.8
148	64.6	32.2	96.6

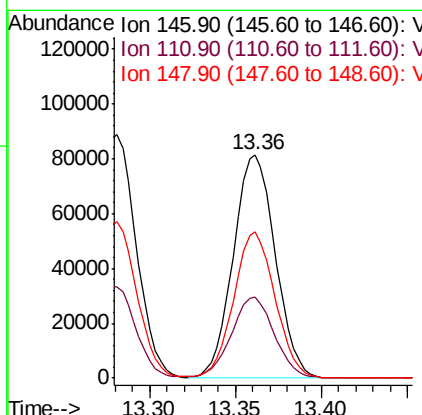
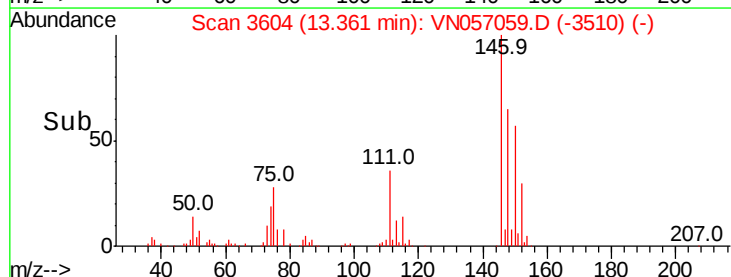
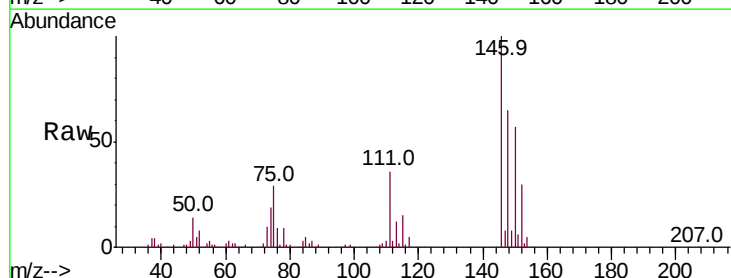
Manual Integrations
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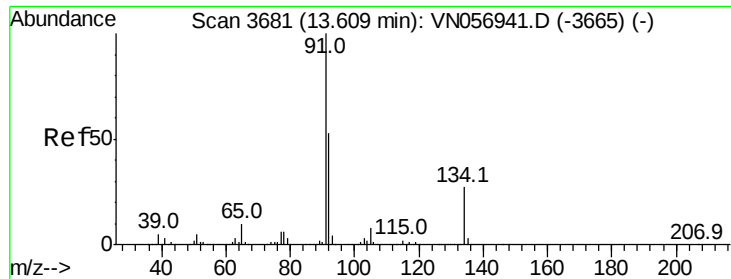
MMDadoda
 8/6/2019 2:16:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.131 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.4	55.2
148	64.7	32.3	96.9





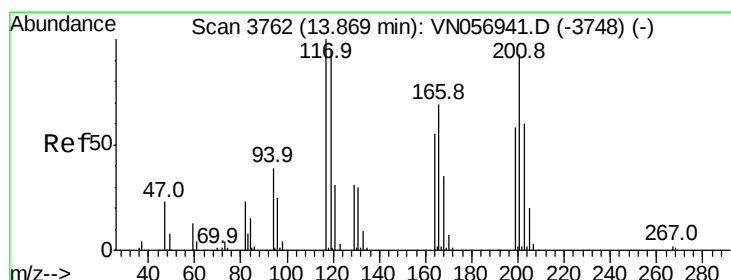
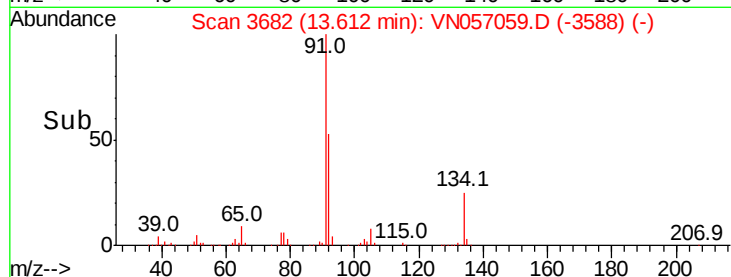
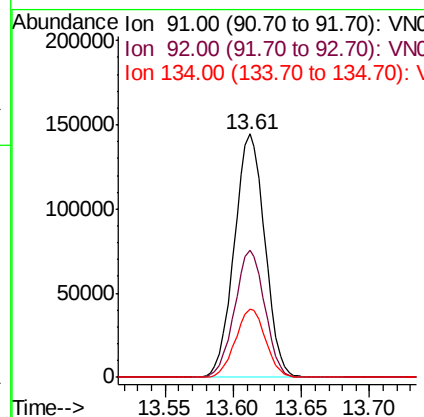
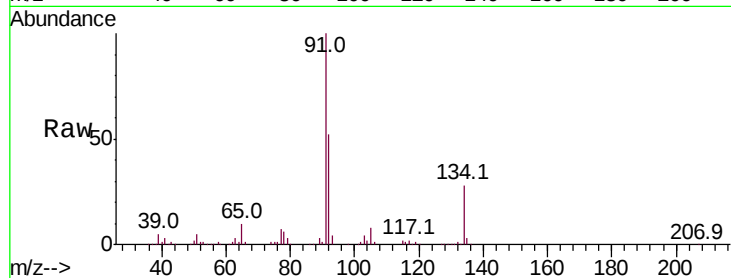
#89
n-Butylbenzene
Concen: 18.540 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.2	78.5
134	27.7	13.5	40.4

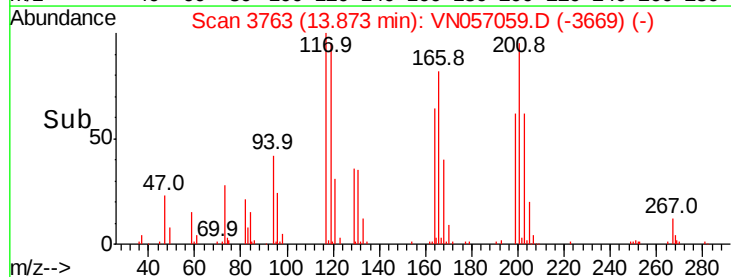
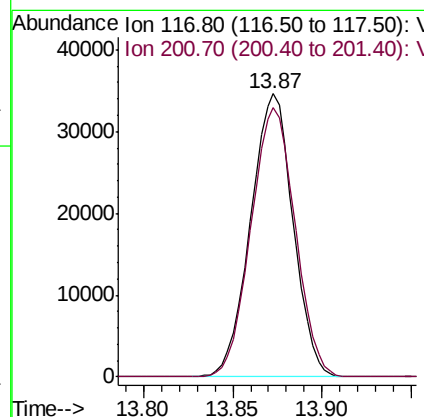
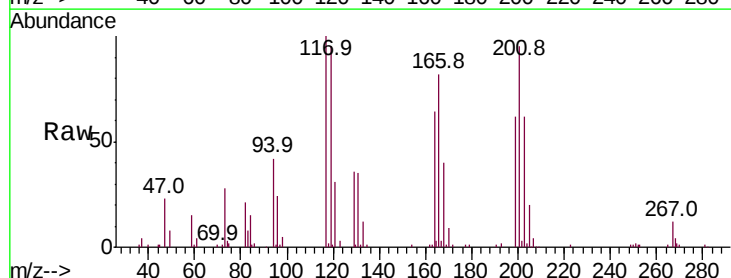
Manual Integrations
APPROVED

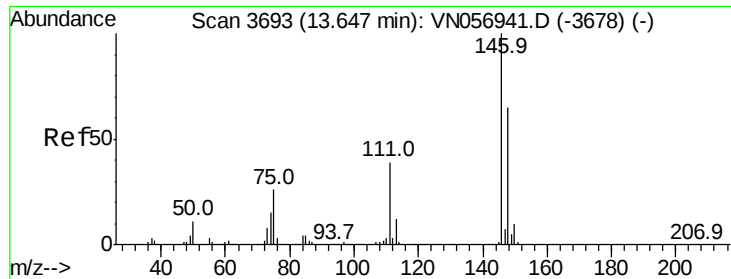
MMDadoda
8/6/2019 2:16:50 PM



#90
Hexachloroethane
Concen: 21.234 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN057059.D
Acq: 2 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.0	47.0	141.2





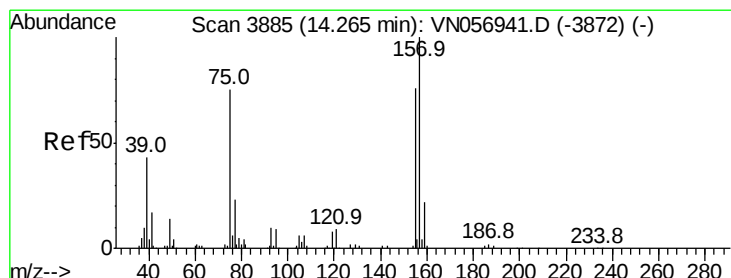
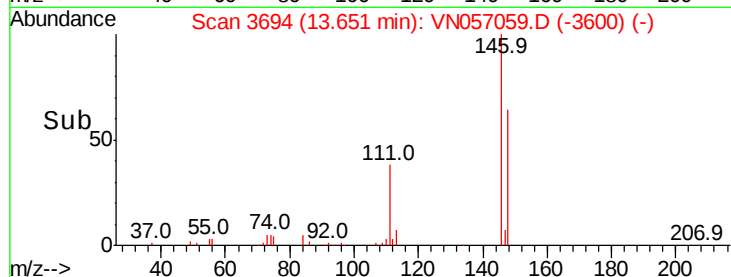
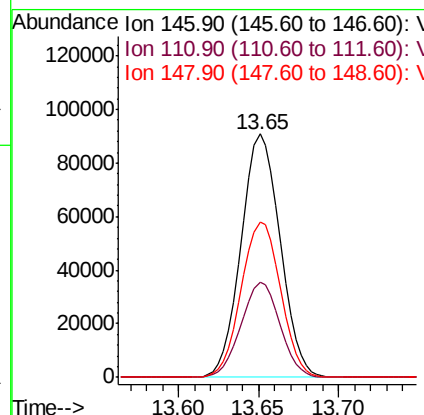
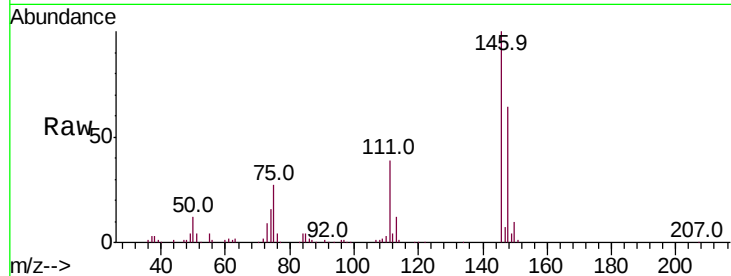
#91
 1,2-Dichlorobenzene
 Concen: 20.470 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.4
148	64.5	32.2	96.6

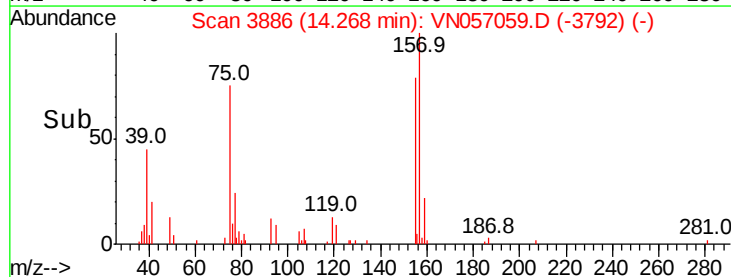
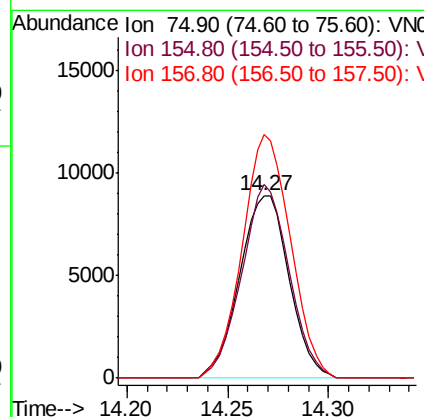
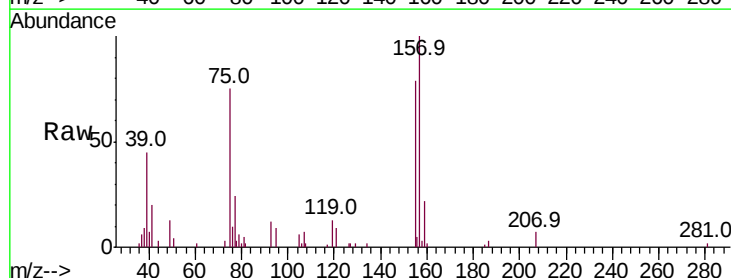
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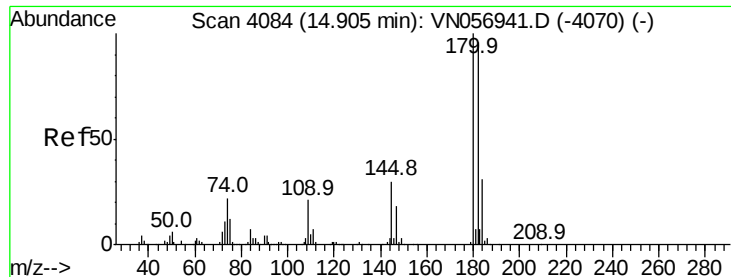
MMDadoda
 8/6/2019 2:16:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.313 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.6	50.2	150.6
157	130.2	65.1	195.4





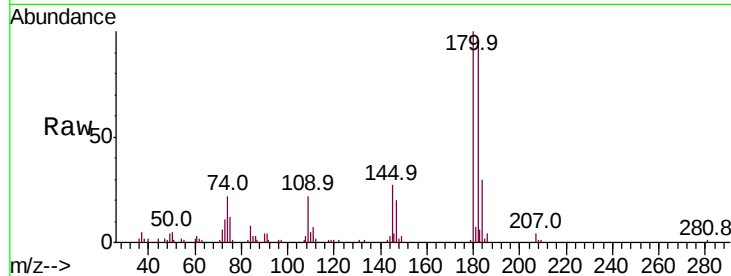
#93
 1,2,4-Trichlorobenzene
 Concen: 14.779 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD01

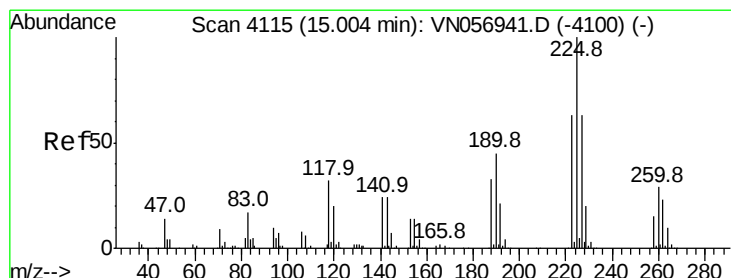
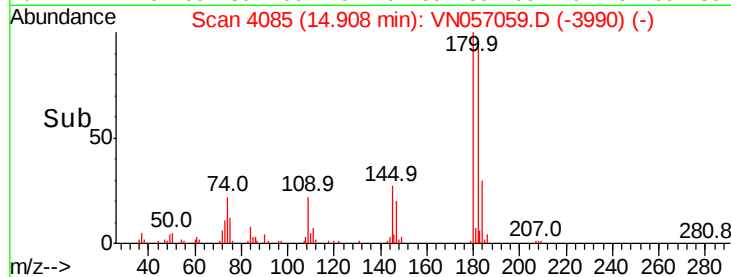
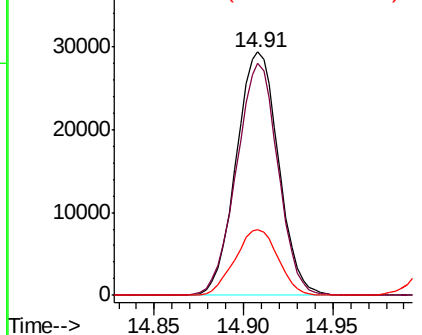
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.8	47.6	142.8	
145	27.6	14.2	42.8	

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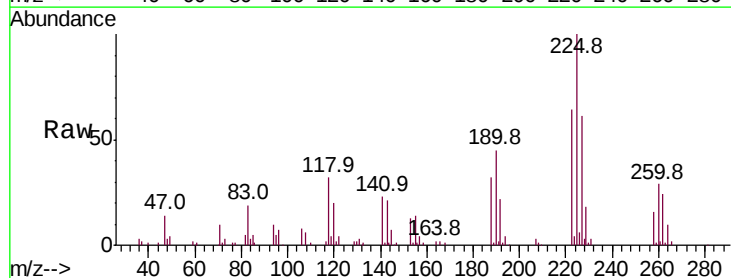


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

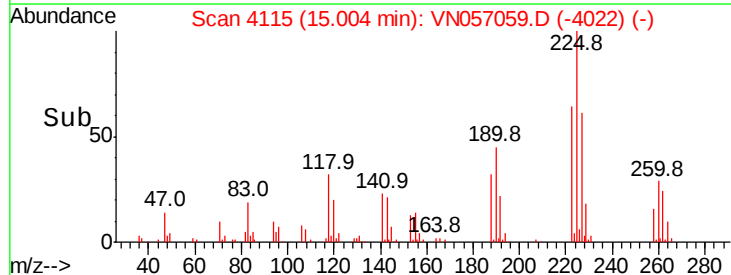
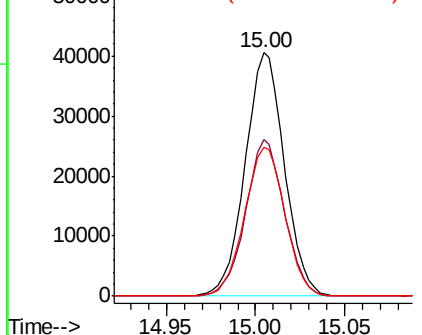


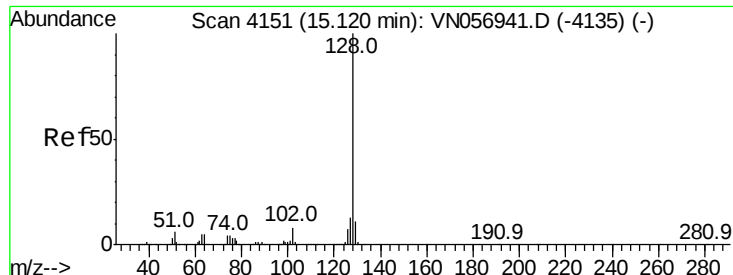
#94
 Hexachlorobutadiene
 Concen: 22.376 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN057059.D
 Acq: 2 Aug 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.5	30.8	92.4	
227	62.8	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: 15.321 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Instrument :

MSVOA_N

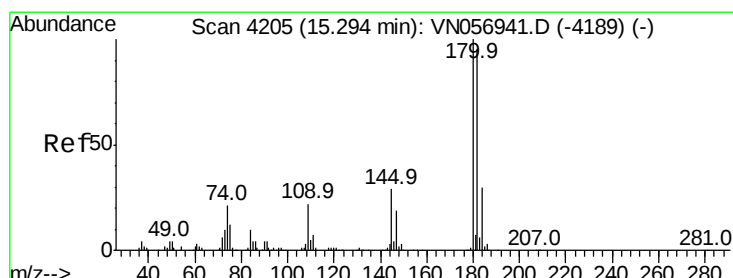
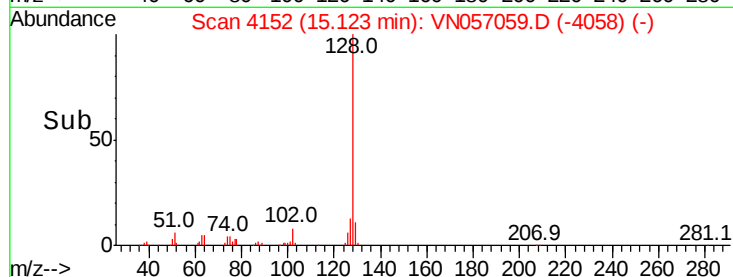
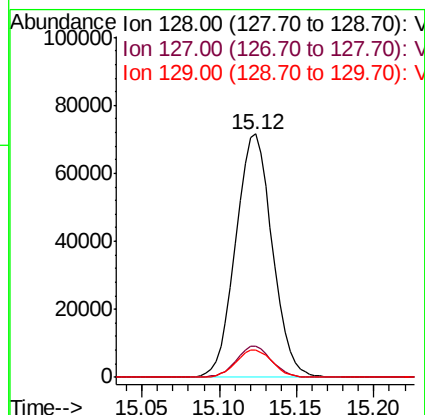
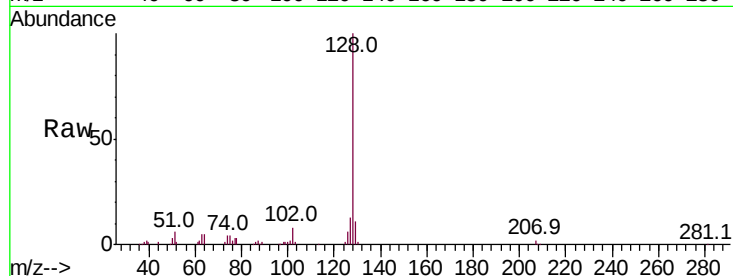
ClientSampleId :

VN0802WBSD01

Tot Ion:	128	Resp:	117461
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.0	15.0
129	11.2	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 16.317 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN057059.D

Acq: 2 Aug 2019 12:22

Tgt Ion:	180	Resp:	57276
Ion Ratio	Lower	Upper	
180	100		
182	98.5	48.0	144.2
145	29.8	15.0	45.0

