

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073119\
 Data File : VN057008.D
 Acq On : 31 Jul 2019 12:44
 Operator : JC/SP
 Sample : VN0731WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Manual Integrations
 APPROVED

MMdadoda
 8/2/2019 10:54:22 PM

Quant Time: Aug 01 01:51:25 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	480113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	702216	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	619095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	230899	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	238393	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
35) Dibromofluoromethane	7.58	113	214379	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
50) Toluene-d8	10.08	98	817741	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
62) 4-Bromofluorobenzene	12.40	95	247217	44.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	101427	20.897	ug/l	98
3) Chloromethane	2.05	50	113880	19.594	ug/l	100
4) Vinyl Chloride	2.18	62	107278	19.685	ug/l	99
5) Bromomethane	2.54	94	65335	19.284	ug/l	99
6) Chloroethane	2.69	64	56823	18.915	ug/l	100
7) Trichlorofluoromethane	3.00	101	146714	20.566	ug/l	99
8) Diethyl Ether	3.40	74	53319	19.971	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	87918	19.878	ug/l	100
10) Methyl Iodide	3.94	142	115547	19.551	ug/l	99
11) Tert butyl alcohol	4.78	59	74201	111.698	ug/l	98
12) 1,1-Dichloroethene	3.72	96	83702	19.834	ug/l	98
13) Acrolein	3.59	56	26128	74.917	ug/l	99
14) Allyl chloride	4.31	41	128830	18.767	ug/l	96
15) Acrylonitrile	4.97	53	199476	102.395	ug/l	98
16) Acetone	3.81	43	150487	84.521	ug/l	99
17) Carbon Disulfide	4.04	76	205045	18.285	ug/l	100
18) Methyl Acetate	4.31	43	108689	19.136	ug/l	97
19) Methyl tert-butyl Ether	5.03	73	253781	20.168	ug/l	97
20) Methylene Chloride	4.54	84	98597	19.225	ug/l	95
21) trans-1,2-Dichloroethene	5.02	96	89446	19.957	ug/l	98
22) Diisopropyl ether	5.94	45	283996	20.079	ug/l	99
23) Vinyl Acetate	5.88	43	963785	98.347	ug/l	98
24) 1,1-Dichloroethane	5.83	63	165817	19.870	ug/l	99
25) 2-Butanone	6.82	43	237815	94.195	ug/l	100
26) 2,2-Dichloropropane	6.81	77	114207	17.998	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	104582	19.728	ug/l	99
28) Bromochloromethane	7.18	49	74632	19.026	ug/l	94
29) Tetrahydrofuran	7.20	42	163929	99.518	ug/l	99
30) Chloroform	7.36	83	168467	19.744	ug/l	100
31) Cyclohexane	7.64	56	153055	18.953	ug/l	95
32) 1,1,1-Trichloroethane	7.56	97	135876	19.959	ug/l	99
36) 1,1-Dichloropropene	7.78	75	120978	19.579	ug/l	99
37) Ethyl Acetate	6.92	43	100979	20.405	ug/l	98
38) Carbon Tetrachloride	7.76	117	118202	20.224	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	147117	18.629	ug/l	98
40) Benzene	8.03	78	385450	20.253	ug/l	100
41) Methacrylonitrile	7.17	41	39706m	17.356	ug/l	
42) 1,2-Dichloroethane	8.11	62	122117	20.473	ug/l	99
43) Isopropyl Acetate	8.16	43	162249	19.836	ug/l #	90
44) Trichloroethene	8.83	130	105595	20.139	ug/l	98
45) 1,2-Dichloropropane	9.11	63	103080	20.249	ug/l	99
46) Dibromomethane	9.20	93	62511	20.362	ug/l	94
47) Bromodichloromethane	9.39	83	123187	20.409	ug/l	99
48) Methyl methacrylate	9.19	41	78089	19.774	ug/l	97
49) 1,4-Dioxane	9.19	88	35108	431.397	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	497267	102.318	ug/l	100
52) Toluene	10.15	92	237352	20.758	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	121497	19.398	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	143474	19.701	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	93057	20.293	ug/l	100
56) Ethyl methacrylate	10.42	69	125077	19.186	ug/l	99
57) 1,3-Dichloropropane	10.70	76	154901	20.371	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	225127	81.927	ug/l	99
59) 2-Hexanone	10.74	43	339479	92.298	ug/l	99
60) Dibromochloromethane	10.90	129	96322	20.503	ug/l	100
61) 1,2-Dibromoethane	11.00	107	93134	20.812	ug/l	100
64) Tetrachloroethene	10.63	164	111582	20.915	ug/l	99
65) Chlorobenzene	11.43	112	249072	19.739	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	95438	20.096	ug/l	99
67) Ethyl Benzene	11.51	91	431058	19.766	ug/l	99
68) m/p-Xylenes	11.62	106	319459	39.693	ug/l	98
69) o-Xylene	11.94	106	154960	19.680	ug/l	99
70) Styrene	11.96	104	252339	19.321	ug/l	99
71) Bromoform	12.12	173	65901	19.875	ug/l #	100
73) Isopropylbenzene	12.25	105	423222	21.208	ug/l	100
74) N-amyl acetate	12.07	43	117233	20.233	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	118567	22.081	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	96540m	20.588	ug/l	
77) Bromobenzene	12.52	156	108120	20.760	ug/l	99
78) n-propylbenzene	12.59	91	433101	20.327	ug/l	99
79) 2-Chlorotoluene	12.67	91	272919	20.802	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	352880	21.546	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	28655	19.634	ug/l	93
82) 4-Chlorotoluene	12.77	91	244408	19.906	ug/l	96
83) tert-Butylbenzene	12.99	119	311613	21.493	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	333783	21.180	ug/l	99
85) sec-Butylbenzene	13.17	105	389115	20.807	ug/l	99
86) p-Isopropyltoluene	13.29	119	338780	20.404	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	155452	19.622	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	146454	19.203	ug/l	99
89) n-Butylbenzene	13.61	91	234481	18.324	ug/l	99
90) Hexachloroethane	13.87	117	58792	20.564	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	163061	20.913	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16932	21.333	ug/l	95

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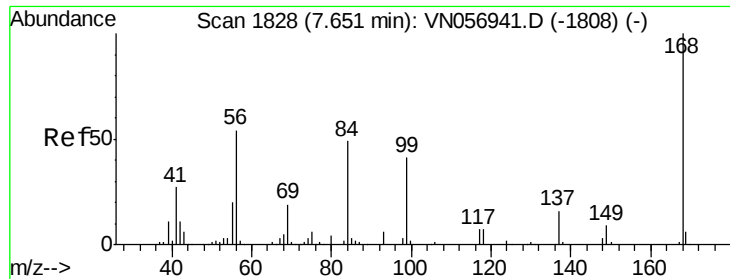
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	53816	15.365	ug/l	99
94) Hexachlorobutadiene	15.01	225	64074	21.642	ug/l	98
95) Naphthalene	15.12	128	131606	16.040	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	63471	17.025	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

Tot Ion:168 Resp: 480113

Ion Ratio Lower Upper

168 100

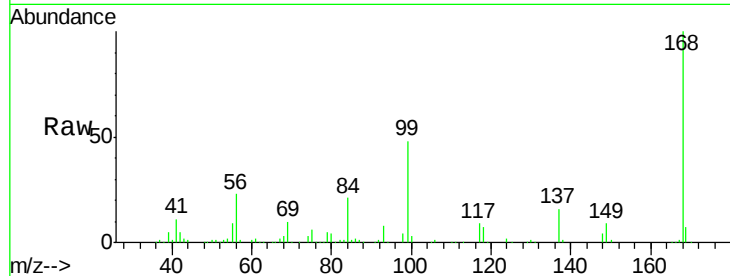
99 48.4 39.0 58.4

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

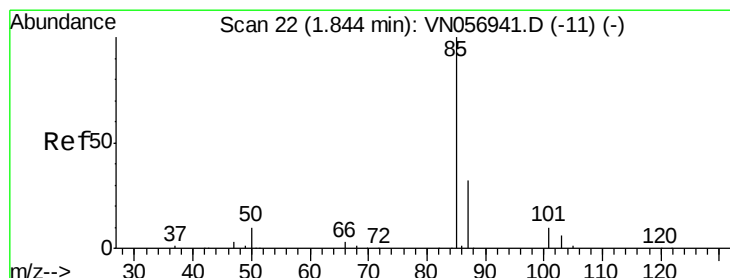
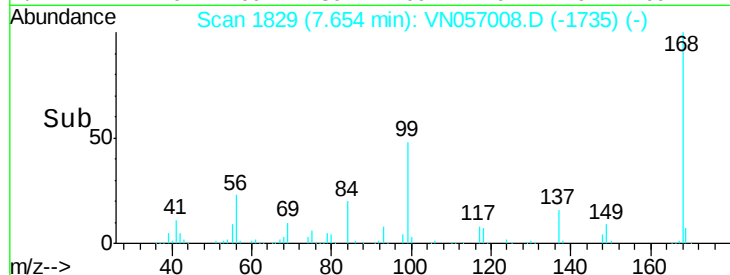
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.897 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057008.D

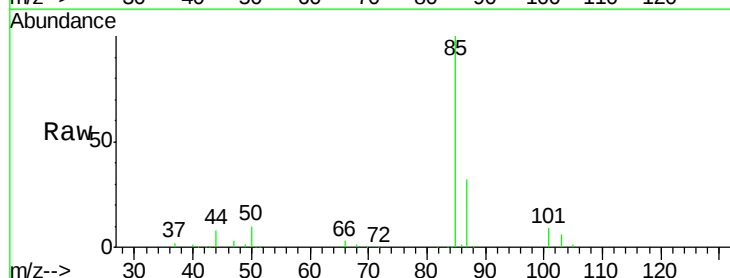
Acq: 31 Jul 2019 12:44

Tgt Ion: 85 Resp: 101427

Ion Ratio Lower Upper

85 100

87 32.5 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

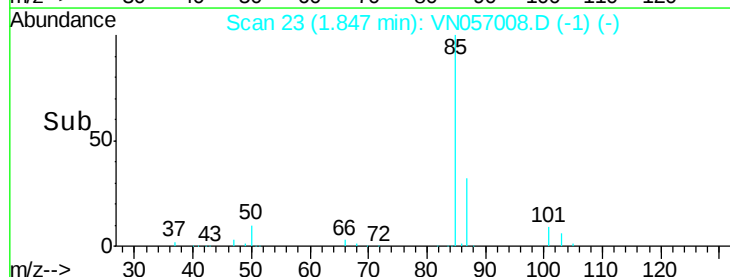
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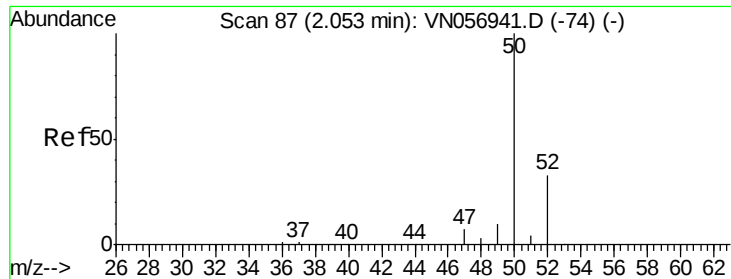
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.594 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

Tot Ion: 50 Resp: 113880

Ion Ratio Lower Upper

50 100

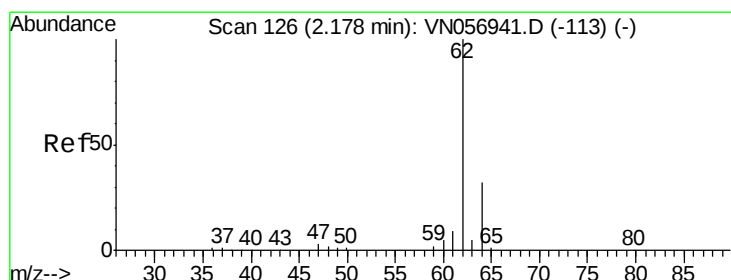
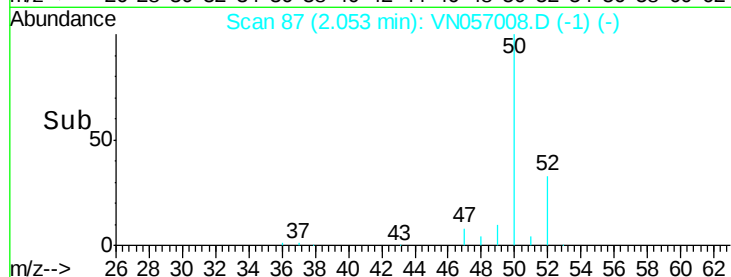
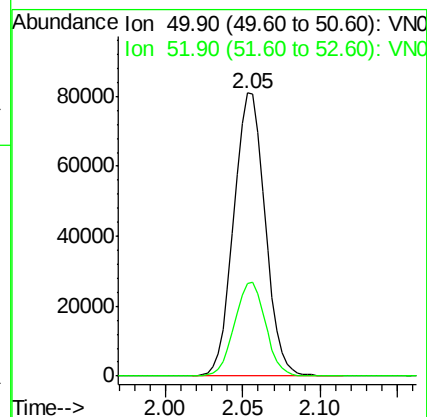
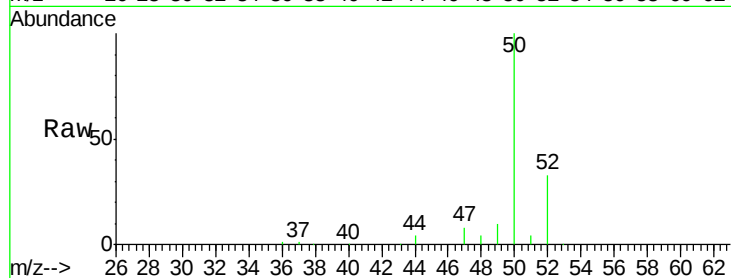
52 32.8 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.685 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057008.D

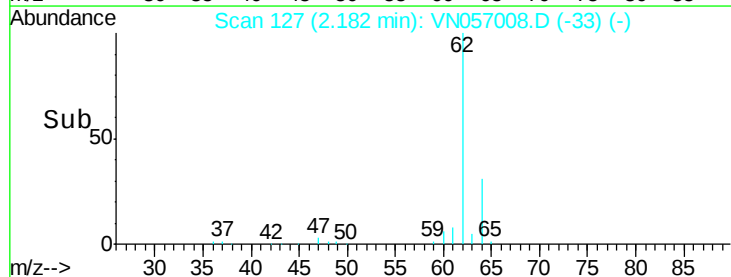
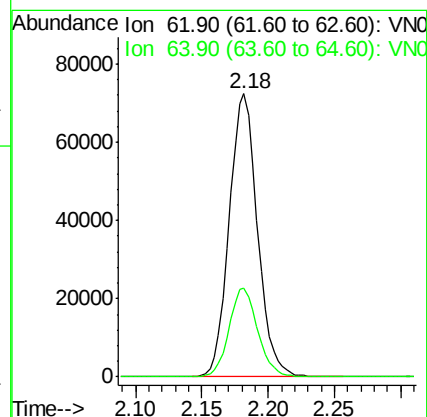
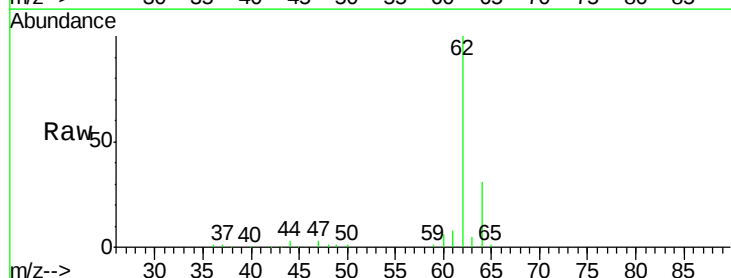
Acq: 31 Jul 2019 12:44

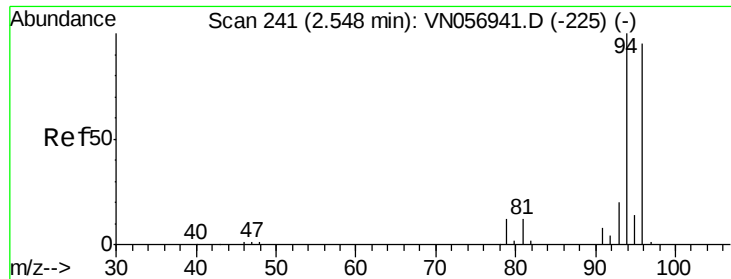
Tgt Ion: 62 Resp: 107278

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.0





#5

Bromomethane

Concen: 19.284 ug/l

RT: 2.54 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Instrument :

MSVOA_N

ClientSampled :

VN0731WBSD01

Tot Ion: 94 Resp: 65335

Ion Ratio Lower Upper

94 100

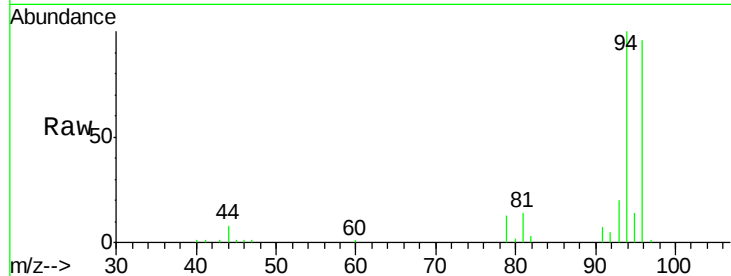
96 96.0 76.2 114.2

Manual Integrations

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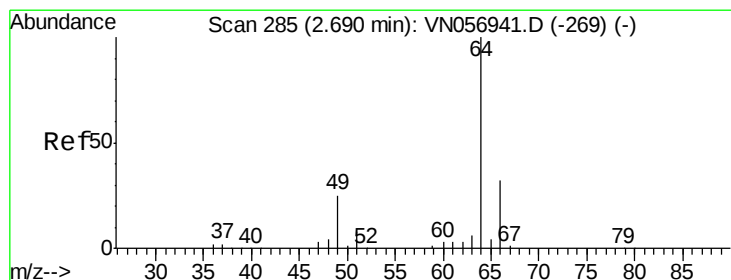
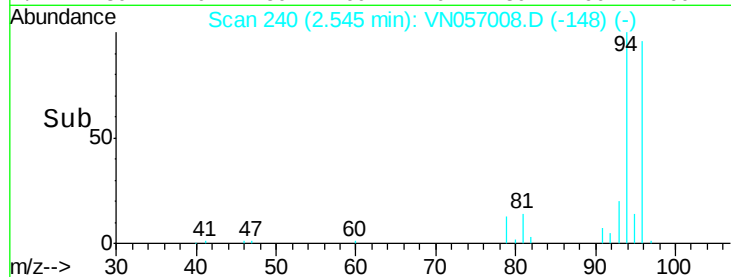
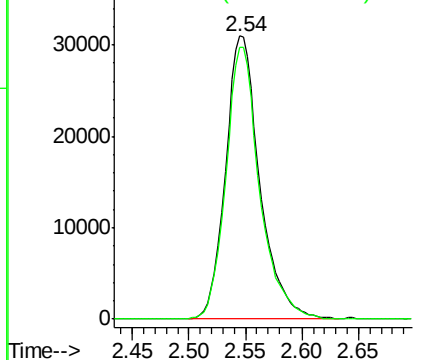
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.915 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN057008.D

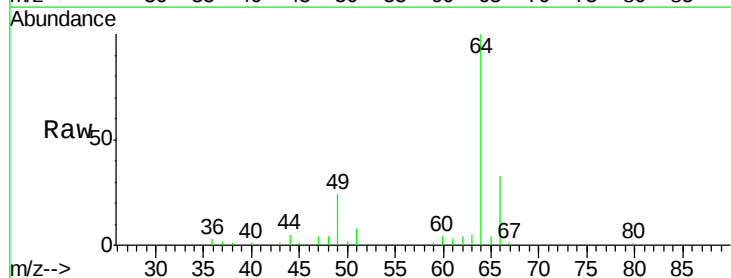
Acq: 31 Jul 2019 12:44

Tgt Ion: 64 Resp: 56823

Ion Ratio Lower Upper

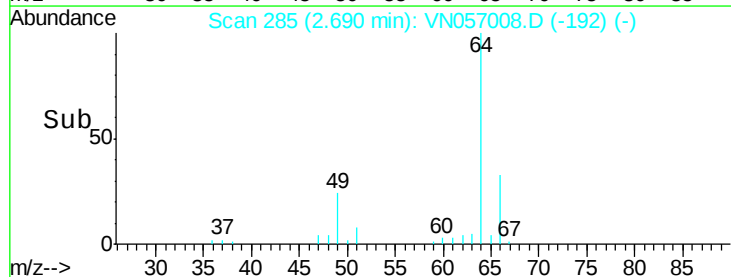
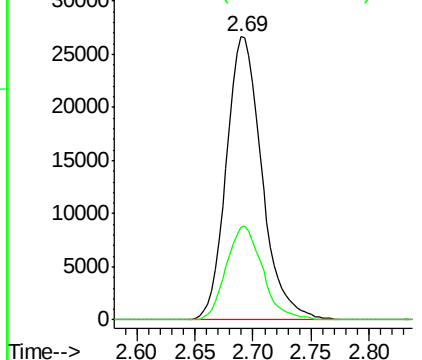
64 100

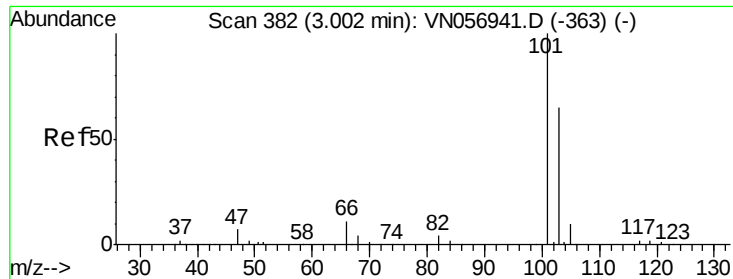
66 32.5 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

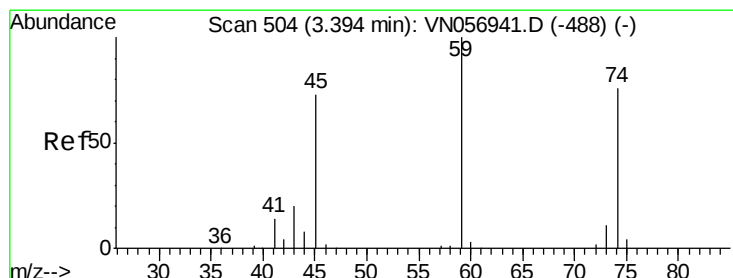
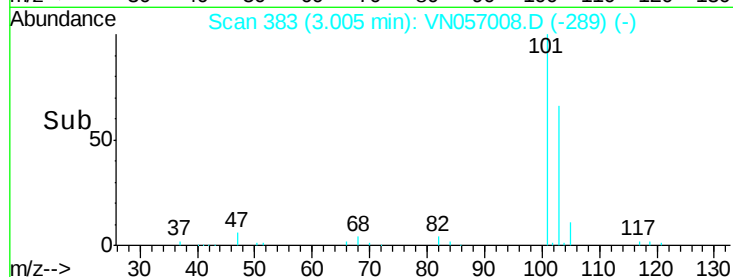
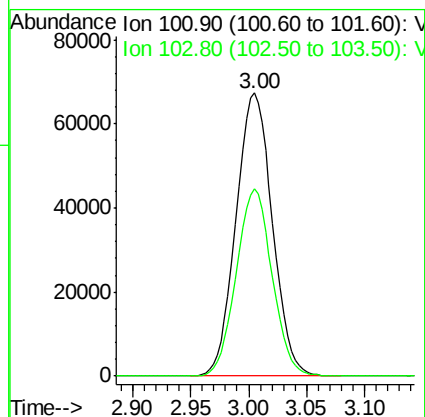
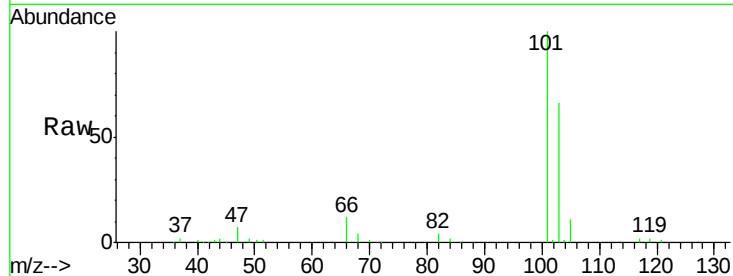
Trichlorofluoromethane
Concen: 20.566 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

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VN0731WBSD01

Tot Ion:101 Resp: 146714
Ion Ratio Lower Upper
101 100
103 66.1 52.1 78.1

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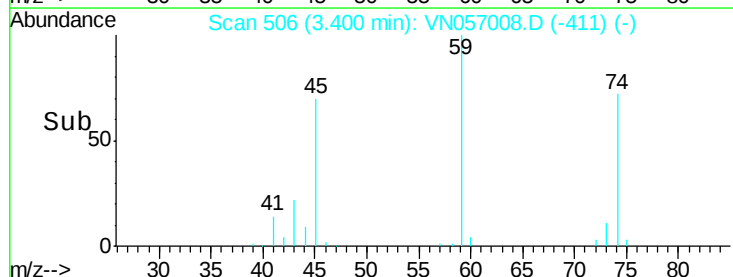
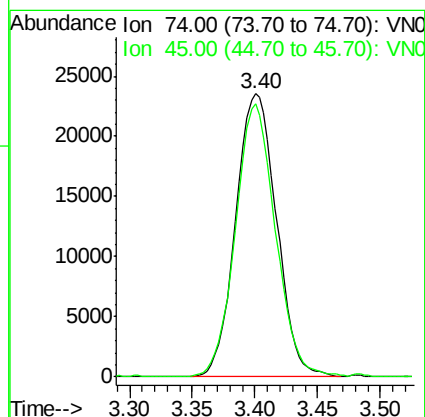
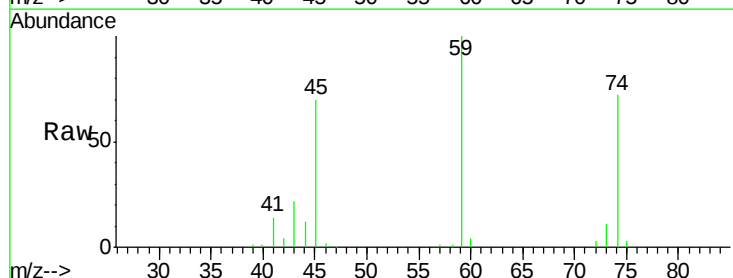
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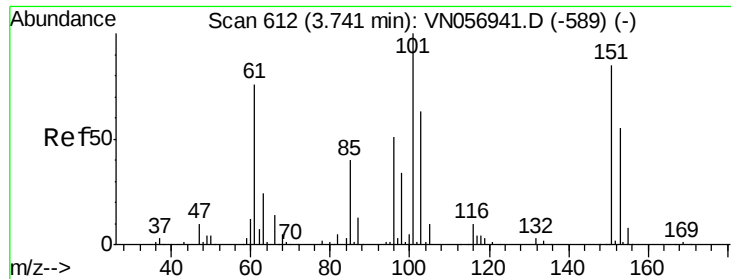


#8

Diethyl Ether
Concen: 19.971 ug/l
RT: 3.40 min Scan# 506
Delta R.T. 0.01 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Tgt Ion: 74 Resp: 53319
Ion Ratio Lower Upper
74 100
45 94.6 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.878 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Instrument :

MSVOA_N

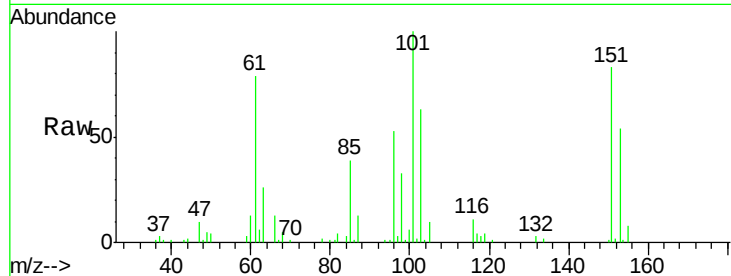
ClientSampleId :

VN0731WBSD01

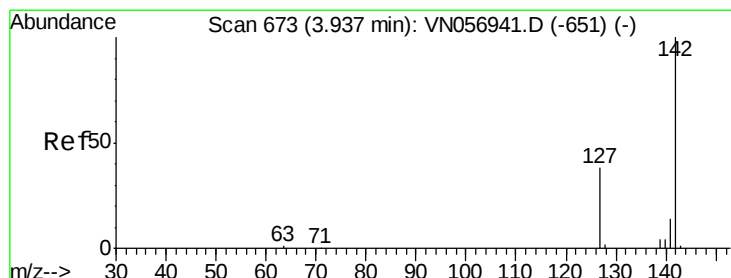
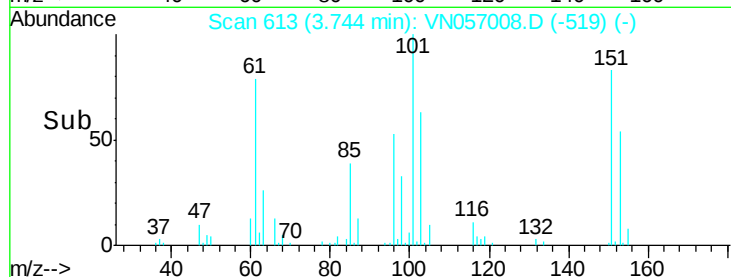
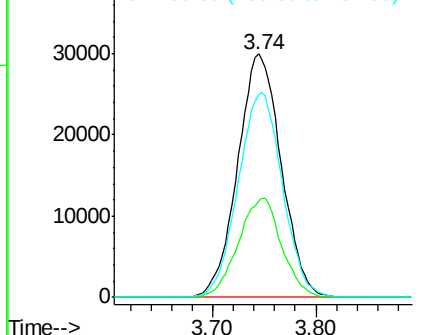
Tot Ion:	101	Resp:	87918
Ion Ratio	Lower	Upper	
101	100		
85	40.5	32.3	48.5
151	85.5	68.0	102.0

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: 19.551 ug/l

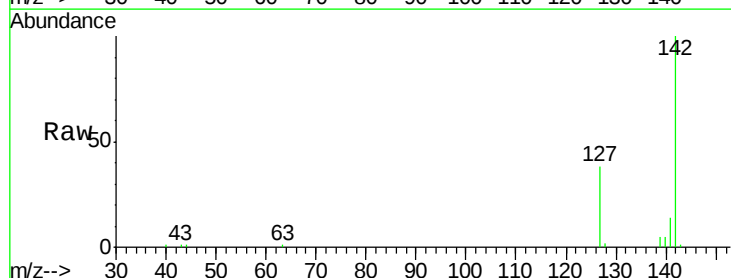
RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

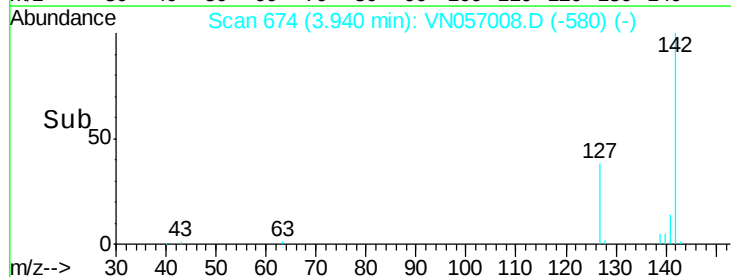
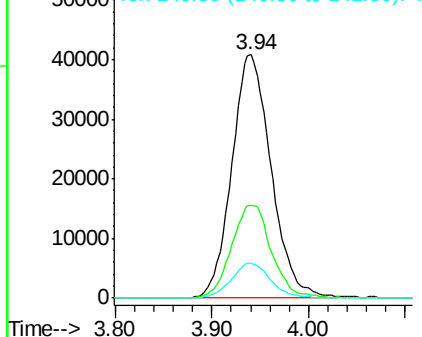
Lab File: VN057008.D

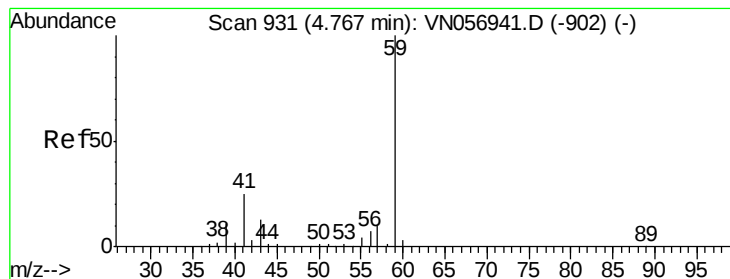
Acq: 31 Jul 2019 12:44

Tgt Ion:	142	Resp:	115547
Ion Ratio	Lower	Upper	
142	100		
127	38.6	30.4	45.6
141	14.3	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

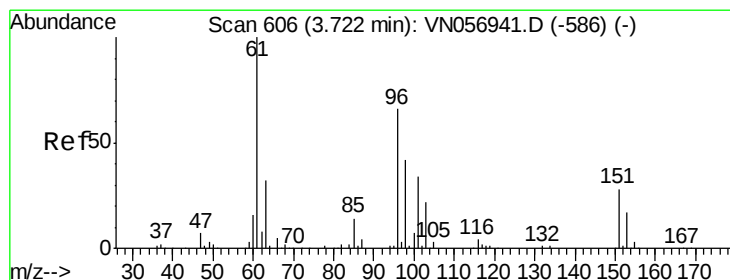
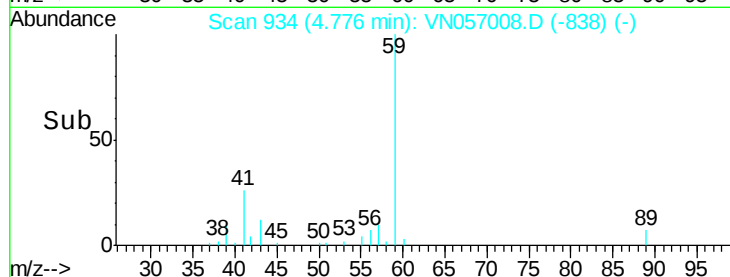
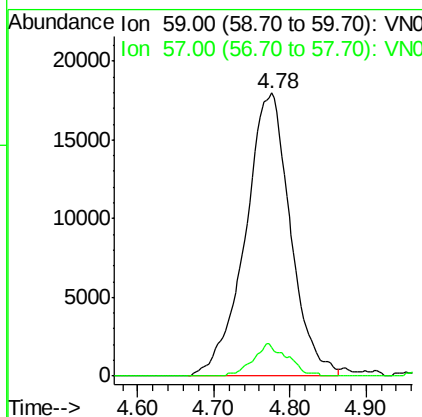
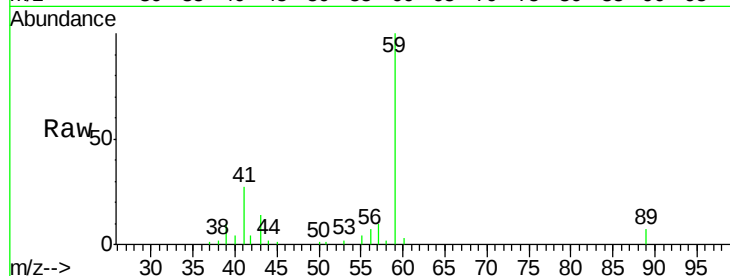
Tert butyl alcohol
Concen: 111.698 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.01 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

Tot Ion	59	57	Ratio	100	8.8	Resp	Lower	Upper
74201								
							7.5	11.3

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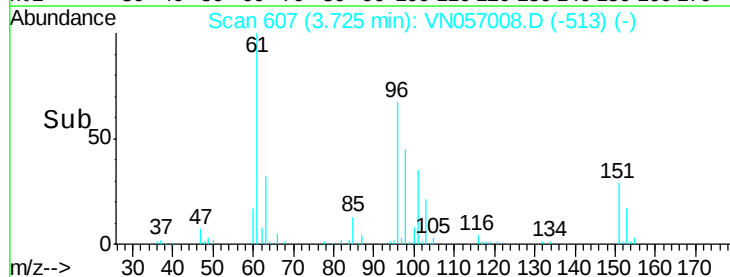
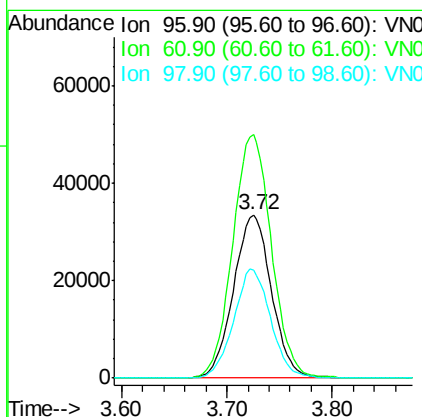
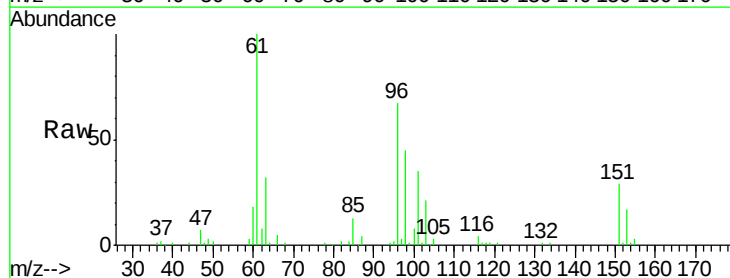
MMdadoda
8/2/2019 10:54:22 PM

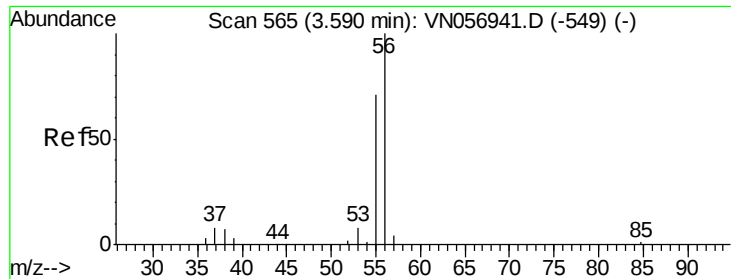


#12

1,1-Dichloroethene
Concen: 19.834 ug/l
RT: 3.72 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Tgt Ion	96	61	98	Ratio	100	149.2	66.5	Resp	Lower	Upper
83702										
									121.8	182.8
									51.7	77.5





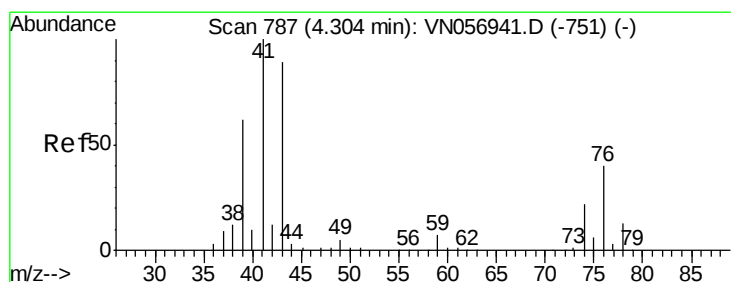
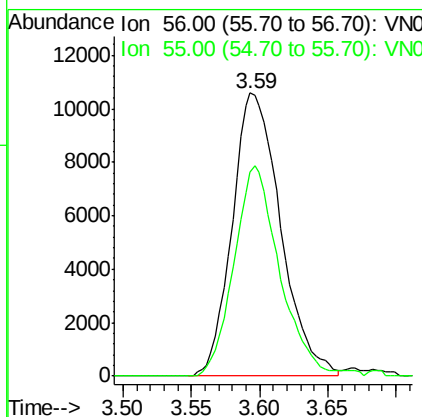
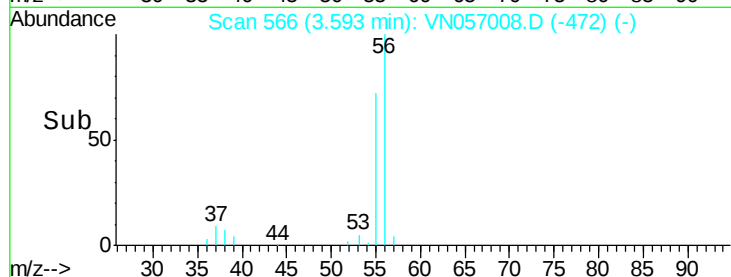
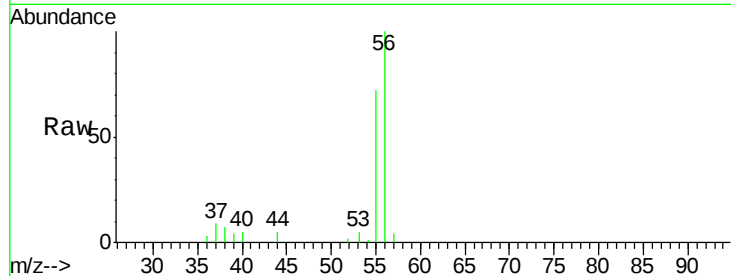
#13
Acrolein
Concen: 74.917 ug/l
RT: 3.59 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.3	55.8	83.6

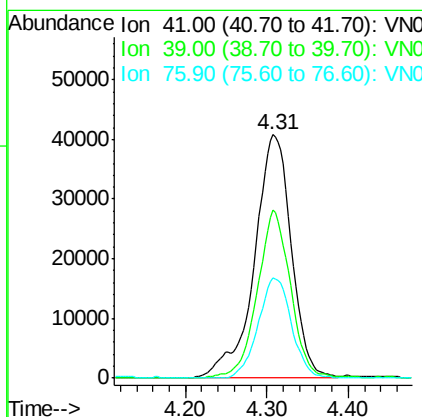
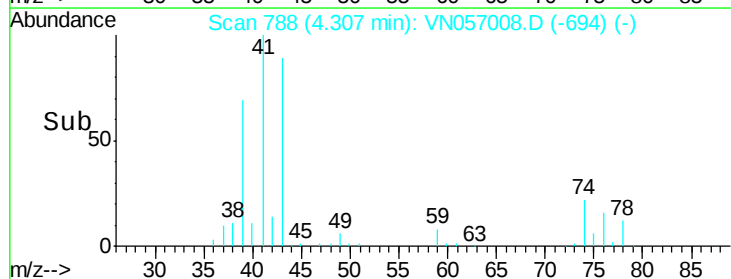
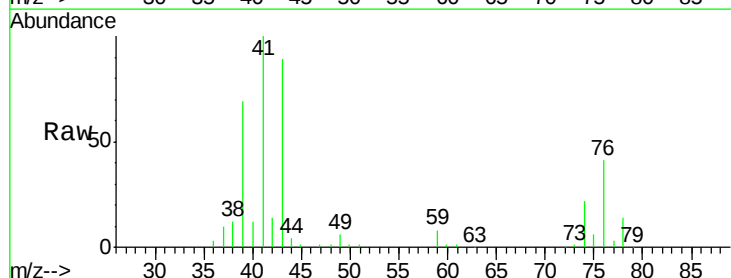
Manual Integrations
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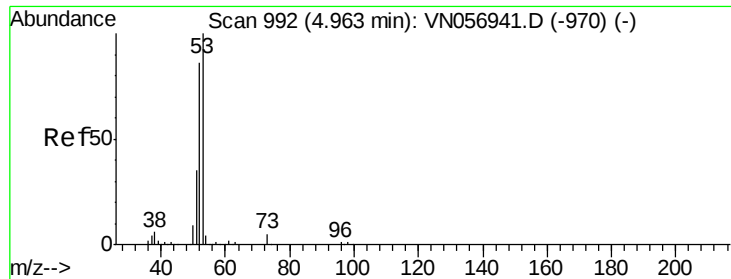
MMdadoda
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#14
Allyl chloride
Concen: 18.767 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.9	46.4	69.6
76	37.1	28.4	42.6





#15

Acrylonitrile

Concen: 102.395 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.01 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Instrument :

MSVOA_N

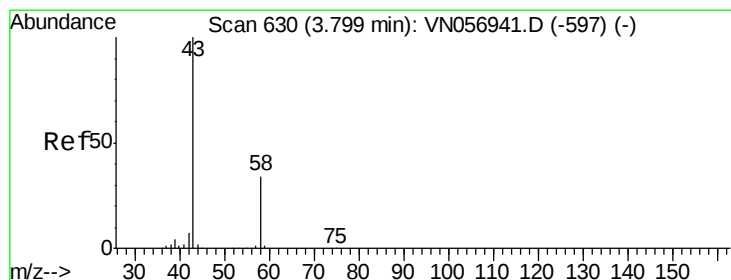
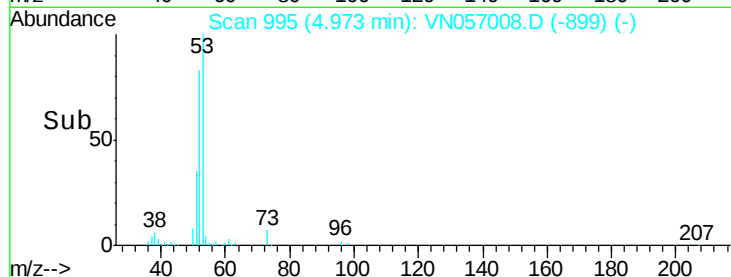
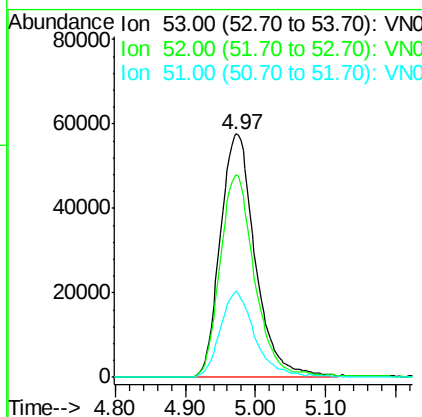
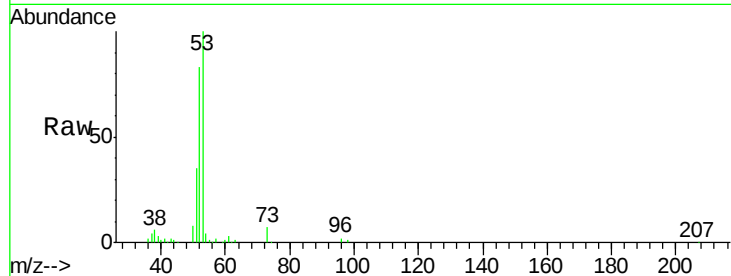
ClientSampleId :

VN0731WBSD01

Tot Ion:	53	Resp:	199476
Ion	Ratio	Lower	Upper
53	100		
52	80.6	66.5	99.7
51	34.7	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 84.521 ug/l

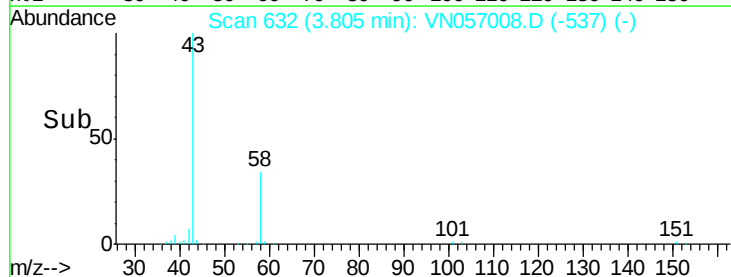
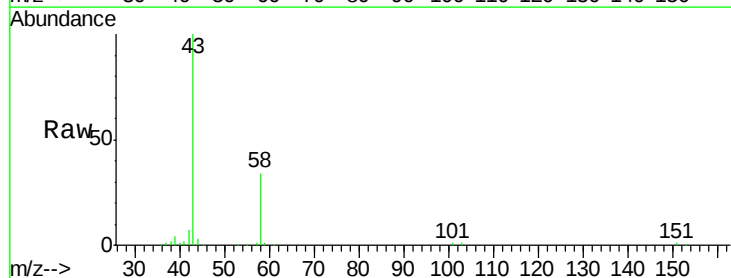
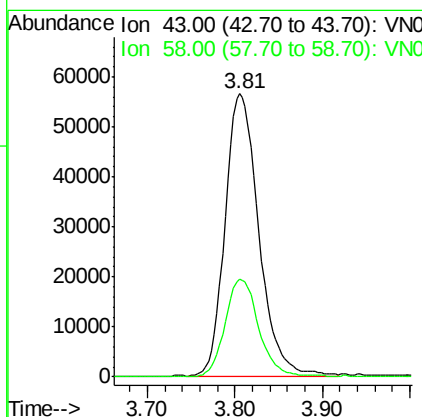
RT: 3.81 min Scan# 632

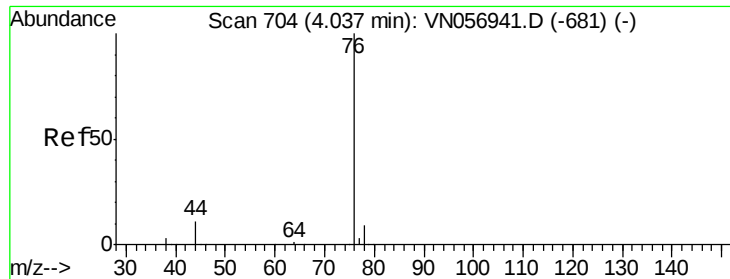
Delta R.T. 0.01 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Tgt Ion:	43	Resp:	150487
Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.2	40.8





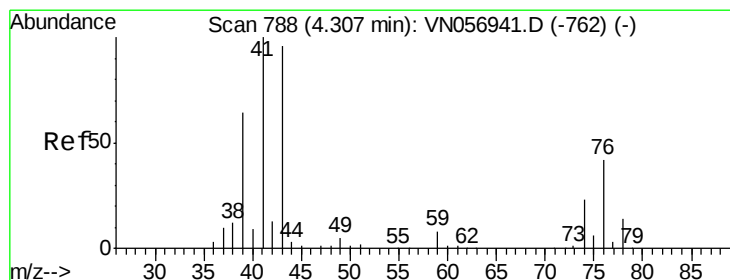
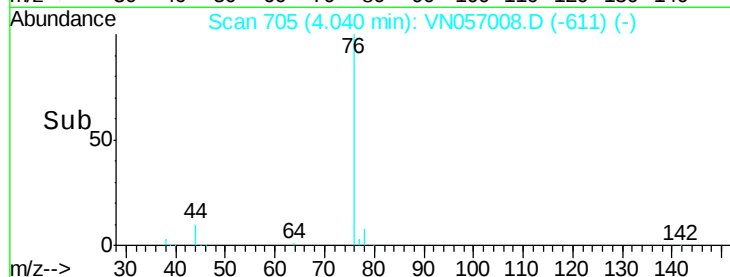
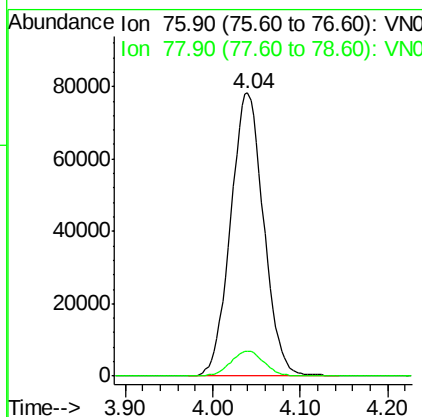
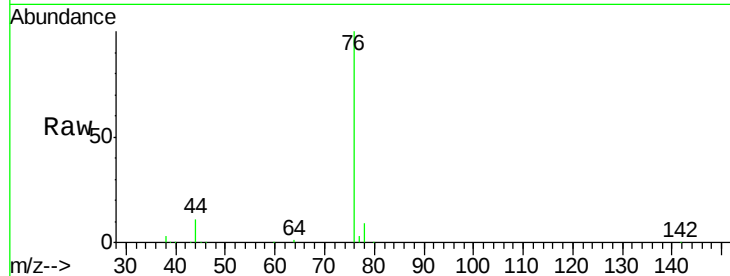
#17
Carbon Disulfide
Concen: 18.285 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

Tot Ion: 76 Resp: 205045
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

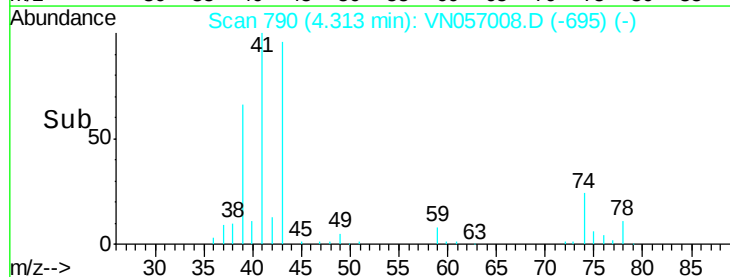
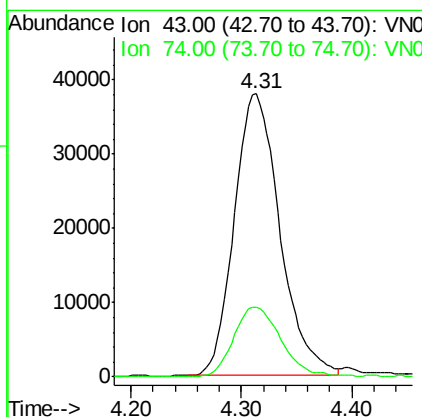
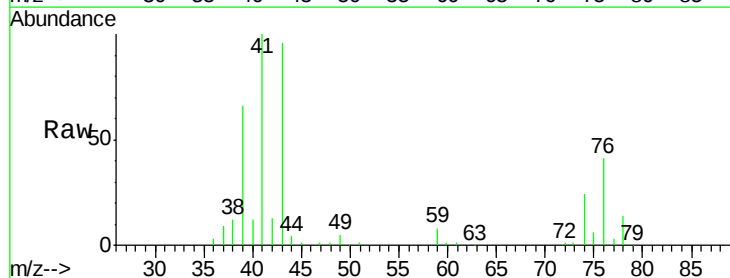
Manual Integrations
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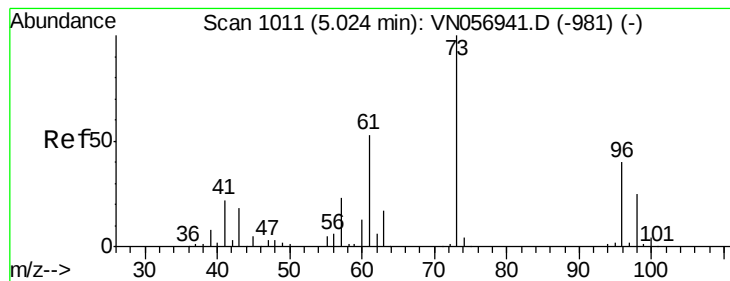
MMdadoda
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#18
Methyl Acetate
Concen: 19.136 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Tgt Ion: 43 Resp: 108689
Ion Ratio Lower Upper
43 100
74 25.9 19.7 29.5





#19

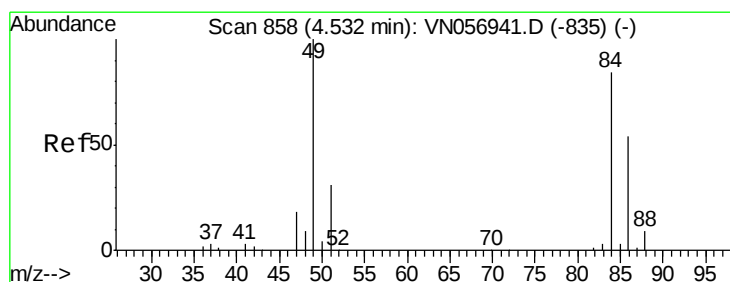
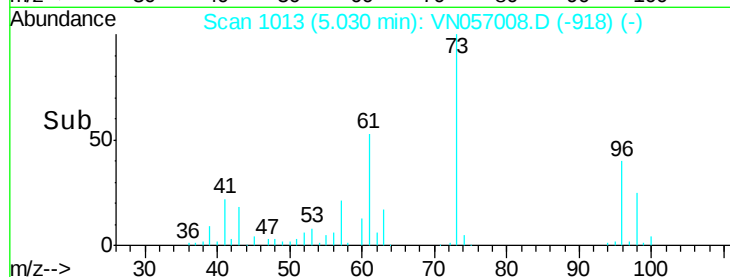
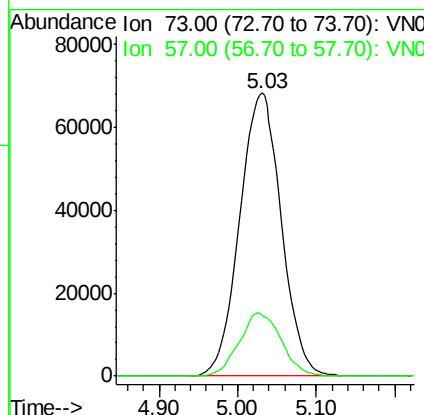
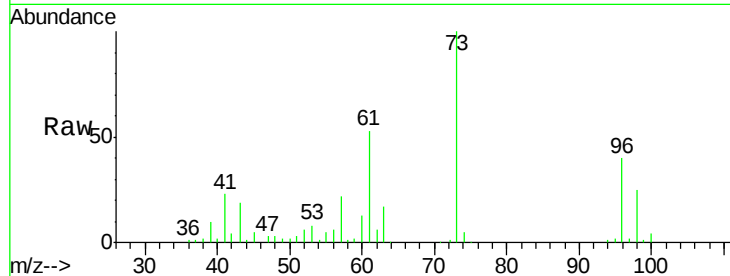
Methyl tert-butyl Ether
 Concen: 20.168 ug/l
 RT: 5.03 min Scan# 1013
 Delta R.T. 0.01 min
 Lab File: VN057008.D
 Acq: 31 Jul 2019 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Tot Ion: 73 Resp: 253781
 Ion Ratio Lower Upper
 73 100
 57 21.5 18.3 27.5

Manual Integrations
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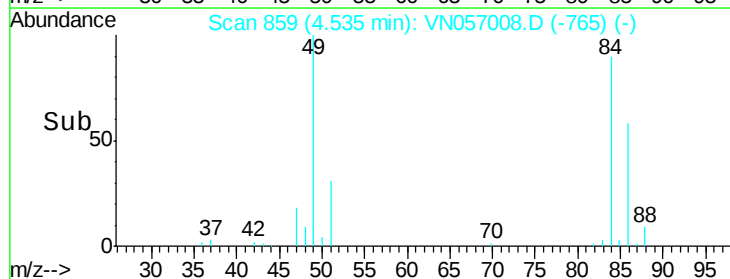
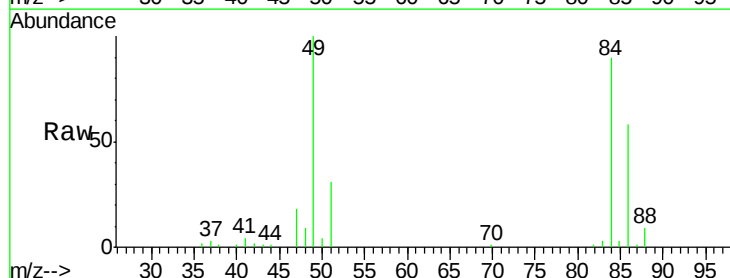
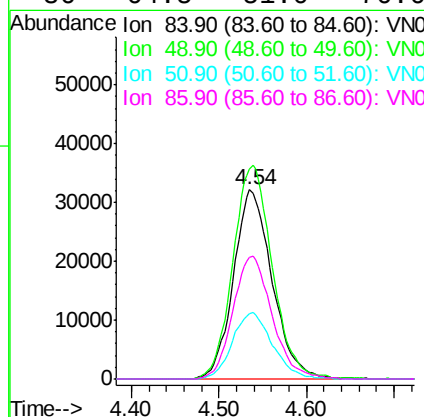
MMdadoda
 8/2/2019 10:54:22 PM

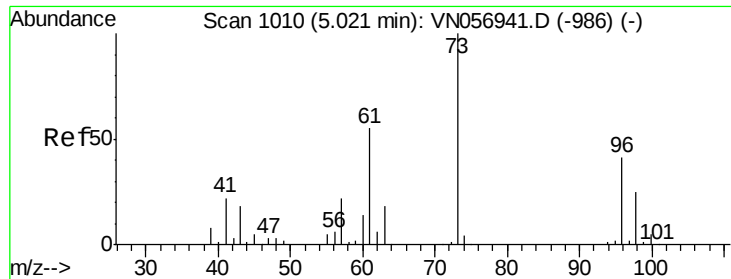


#20

Methylene Chloride
 Concen: 19.225 ug/l
 RT: 4.54 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VN057008.D
 Acq: 31 Jul 2019 12:44

Tgt Ion: 84 Resp: 98597
 Ion Ratio Lower Upper
 84 100
 49 111.0 95.2 142.8
 51 34.4 29.7 44.5
 86 64.5 51.0 76.6





#21

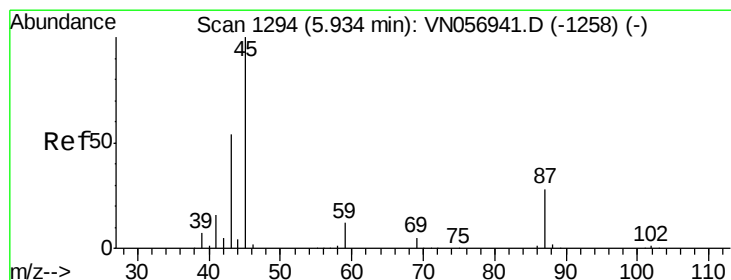
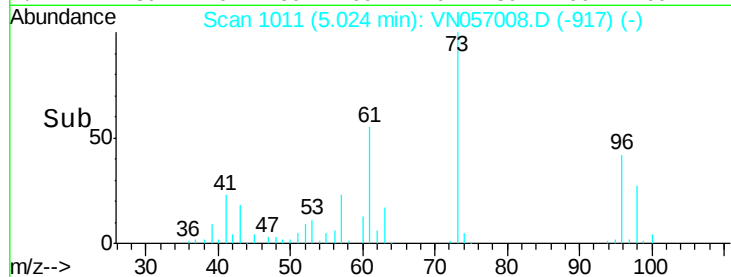
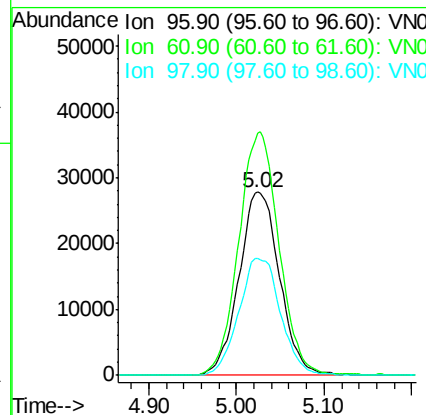
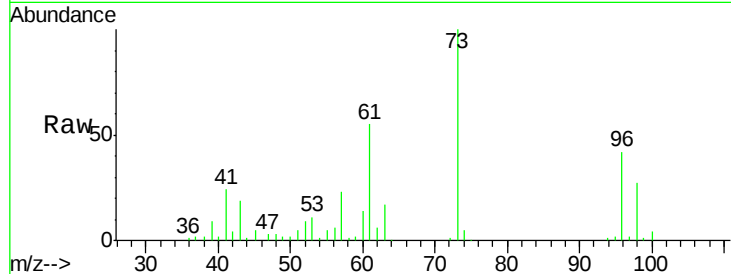
trans-1,2-Dichloroethene
Concen: 19.957 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.0	107.5	161.3
98	63.8	49.9	74.9

Manual Integrations
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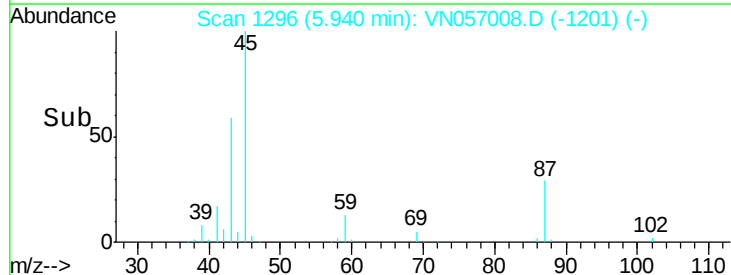
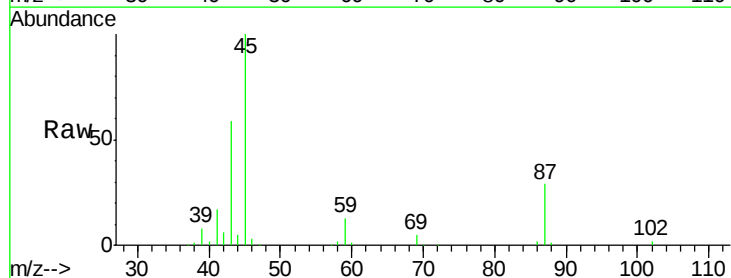
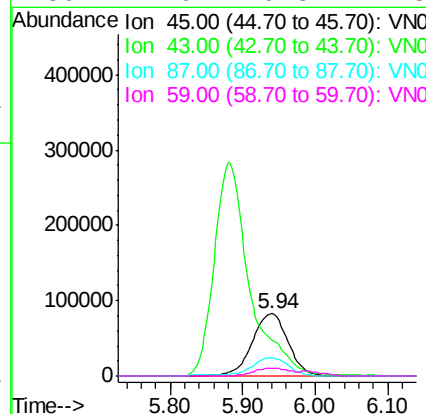
MMDadoda
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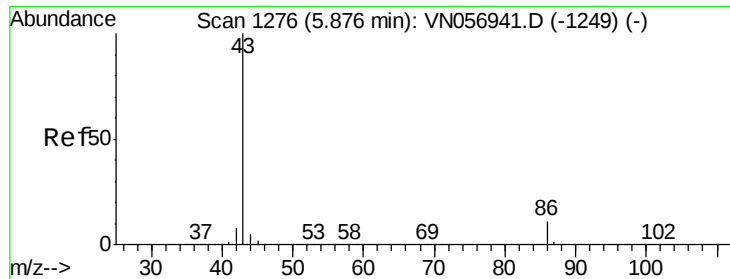


#22

Diisopropyl ether
Concen: 20.079 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.01 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.8	44.7	67.1
87	28.6	23.0	34.6
59	12.9	9.8	14.8





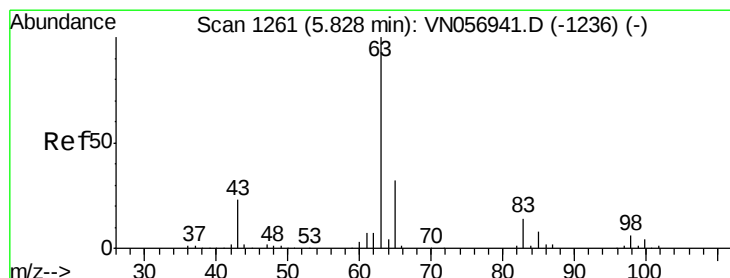
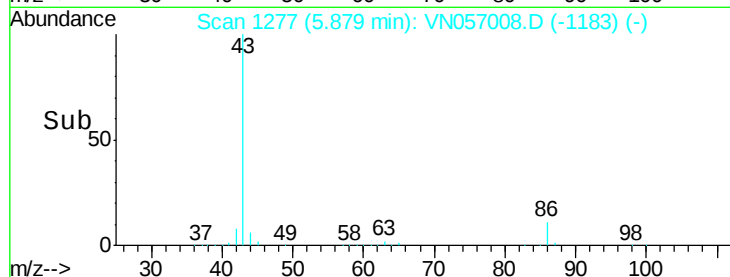
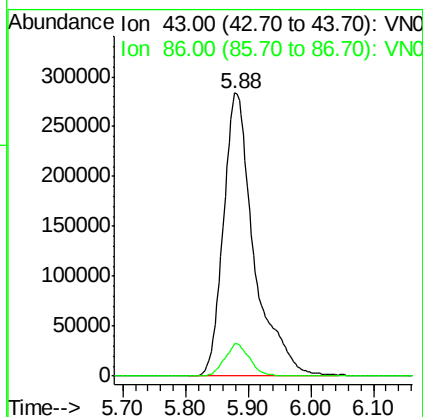
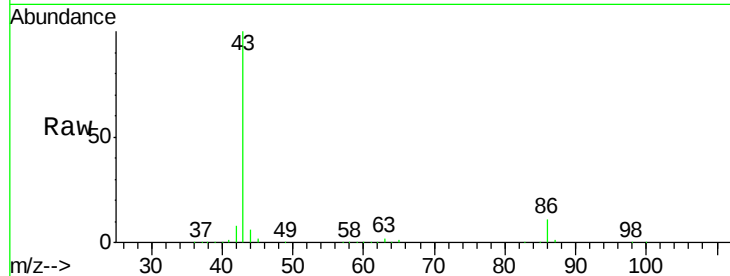
#23
 Vinyl Acetate
 Concen: 98.347 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN057008.D
 Acq: 31 Jul 2019 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Tot Ion	43	Resp	963785
Ion Ratio	100	Lower	Upper
43	100		
86	11.3	8.5	12.7

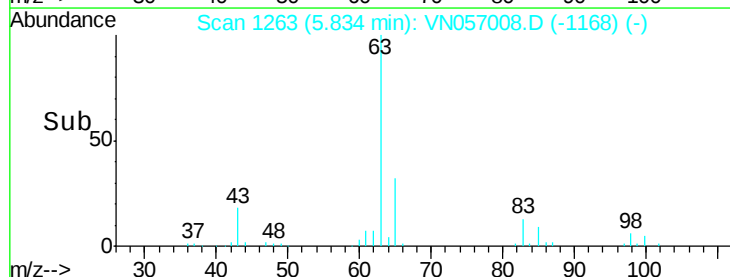
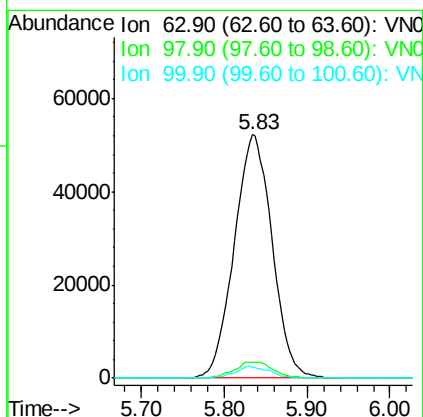
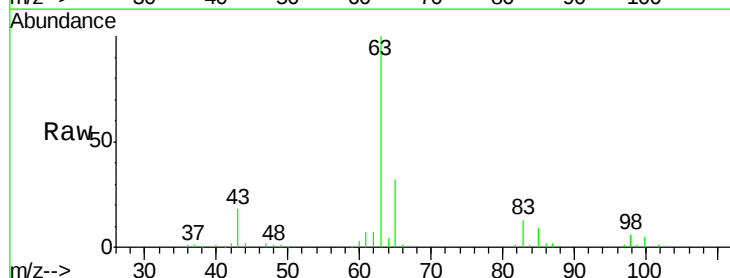
Manual Integrations
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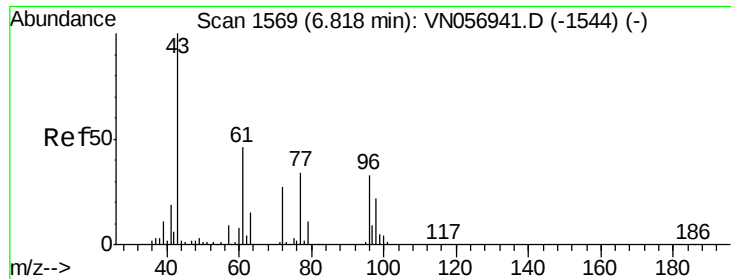
MMdadoda
 8/2/2019 10:54:22 PM



#24
 1,1-Dichloroethane
 Concen: 19.870 ug/l
 RT: 5.83 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: VN057008.D
 Acq: 31 Jul 2019 12:44

Tgt Ion	63	Resp	165817
Ion Ratio	100	Lower	Upper
63	100		
98	6.5	3.2	9.6
100	4.6	2.1	6.3





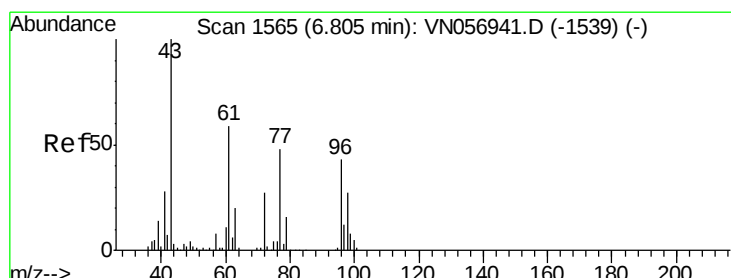
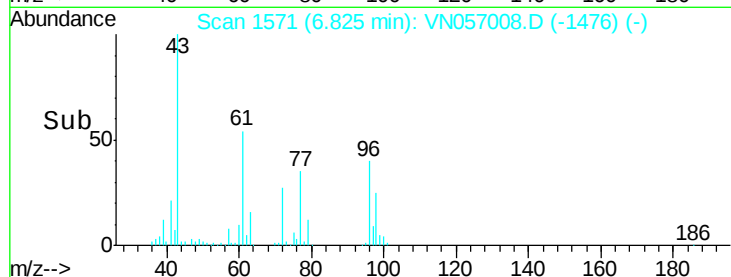
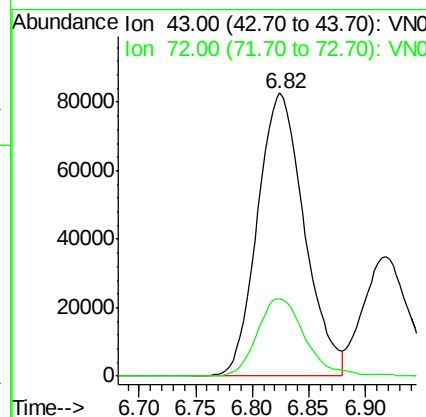
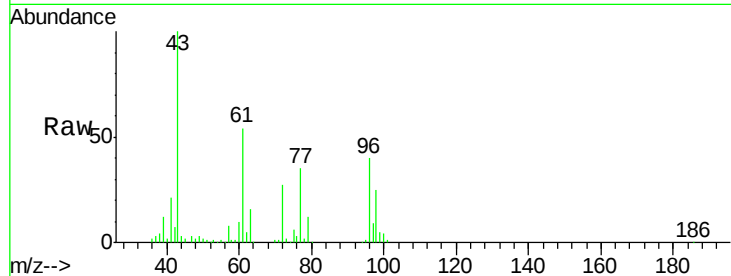
#25
2-Butanone
Concen: 94.195 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

Tot Ion: 43 Resp: 237815
Ion Ratio Lower Upper
43 100
72 27.1 21.5 32.3

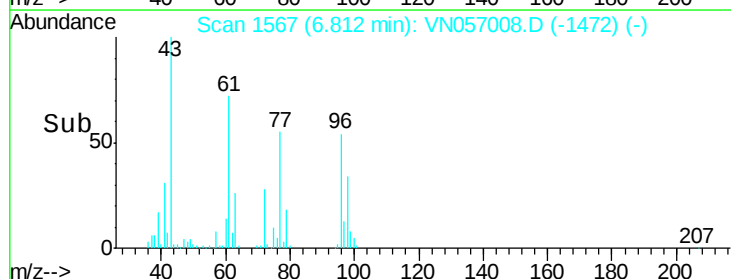
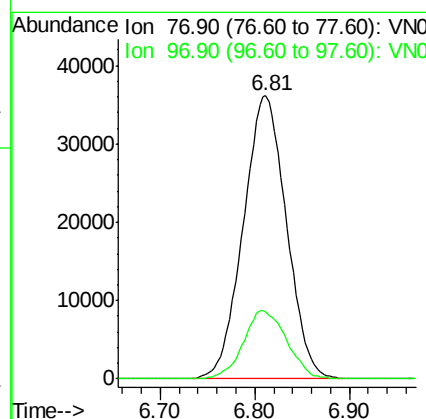
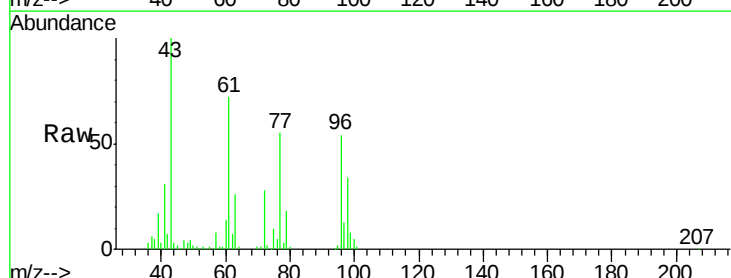
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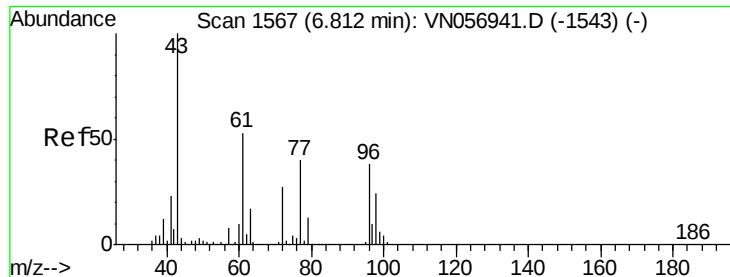
MMdadoda
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#26
2,2-Dichloropropane
Concen: 17.998 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Tgt Ion: 77 Resp: 114207
Ion Ratio Lower Upper
77 100
97 24.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.728 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Instrument :

MSVOA_N

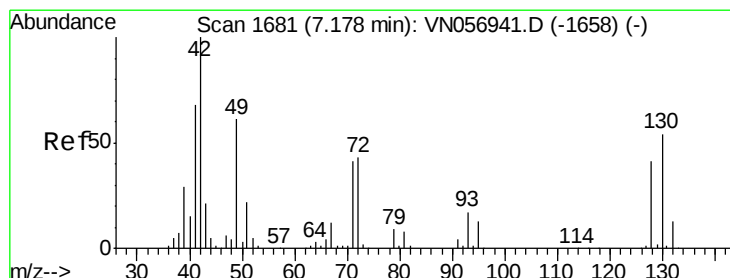
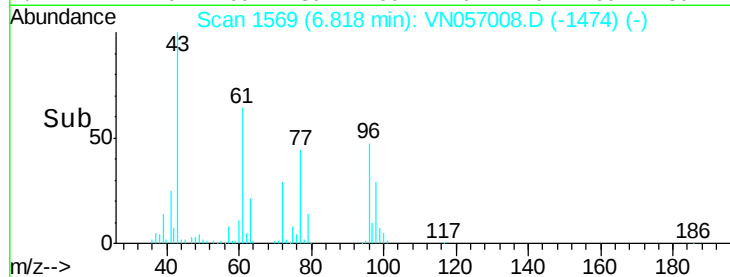
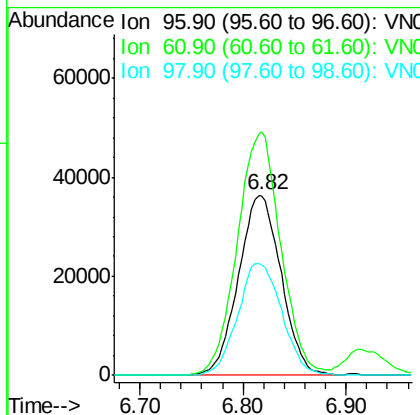
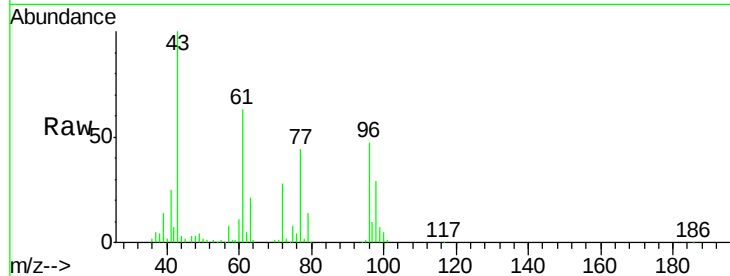
ClientSampleId :

VN0731WBSD01

Tot Ion:	96	Resp:	104582
Ion	Ratio	Lower	Upper
96	100		
61	137.7	0.0	277.2
98	64.1	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 19.026 ug/l

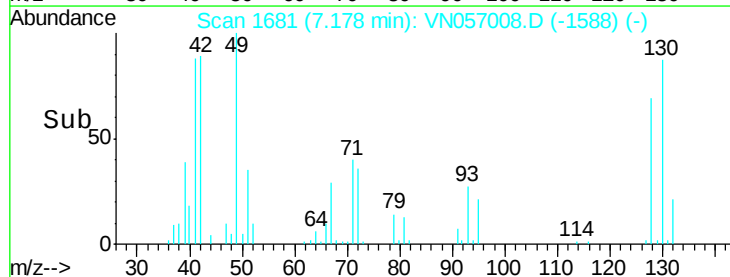
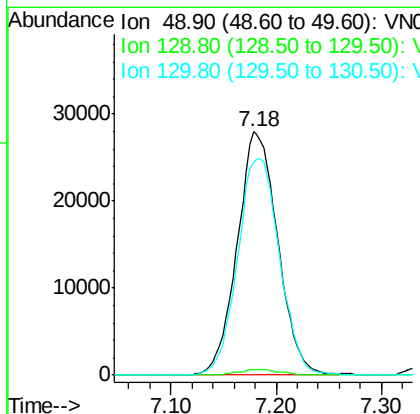
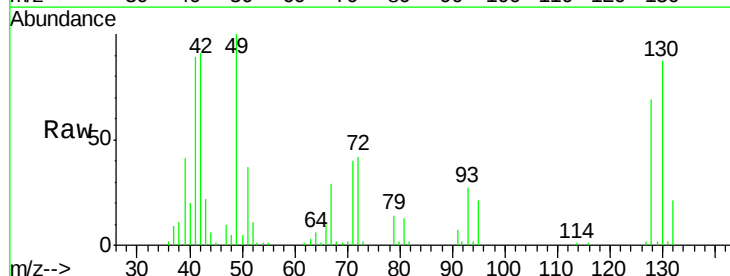
RT: 7.18 min Scan# 1681

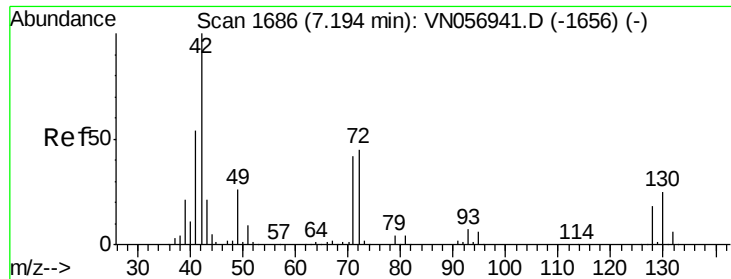
Delta R.T. -0.00 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Tgt Ion:	49	Resp:	74632
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	92.1	69.0	103.4





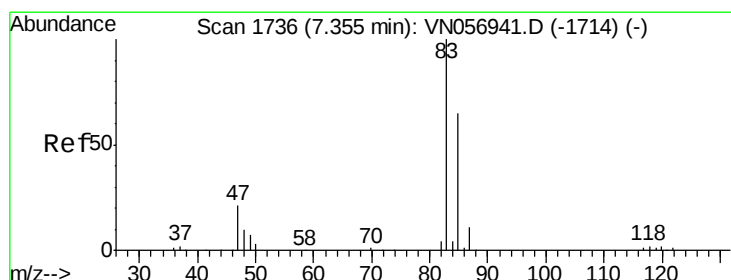
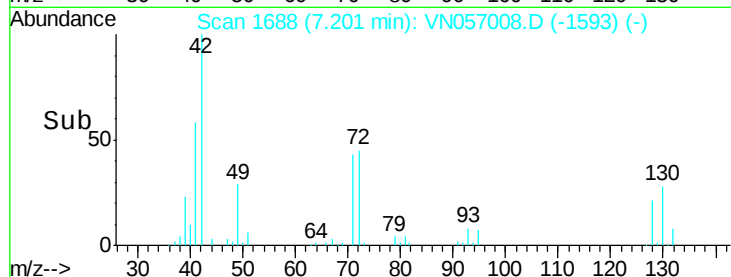
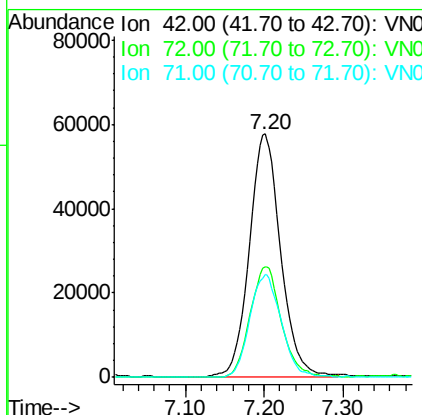
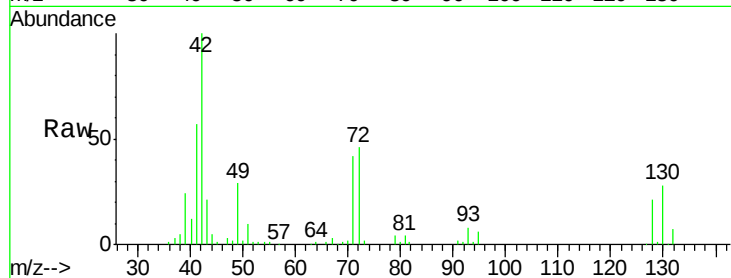
#29
Tetrahydrofuran
Concen: 99.518 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Instrument :
MSVOA_N
ClientSampled :
VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	35.6	53.4
71	42.1	33.5	50.3

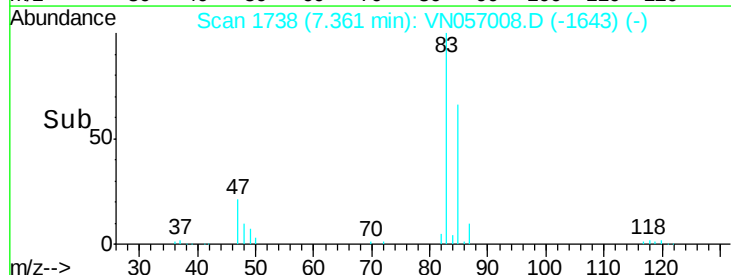
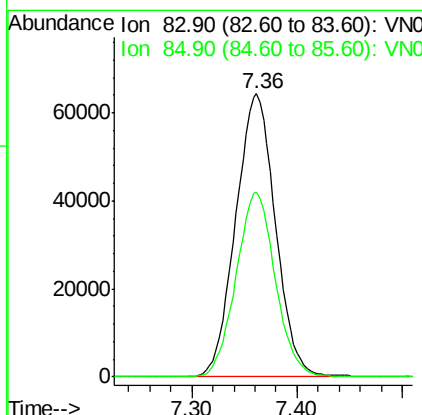
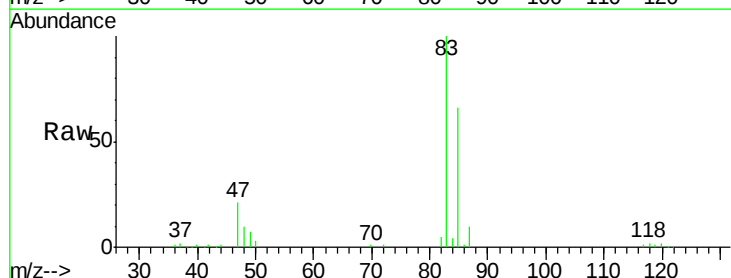
Manual Integrations
APPROVED

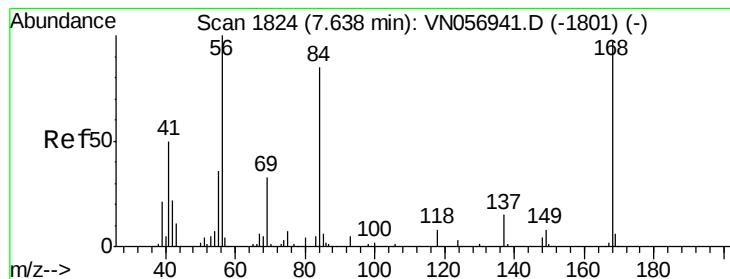
MMdadoda
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#30
Chloroform
Concen: 19.744 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.01 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.2	78.2





#31

Cyclohexane

Concen: 18.953 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Instrument :

MSVOA_N

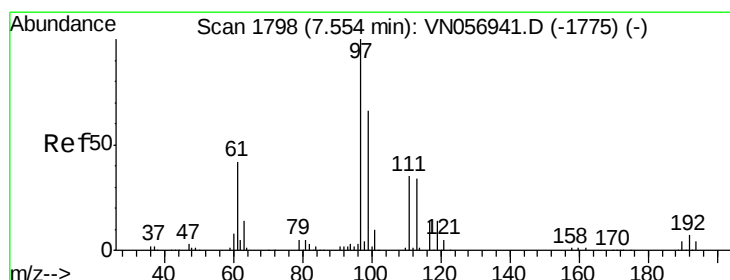
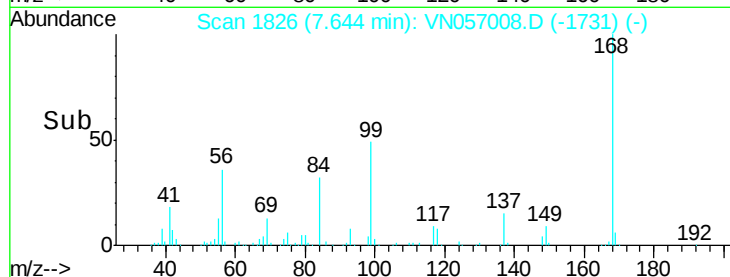
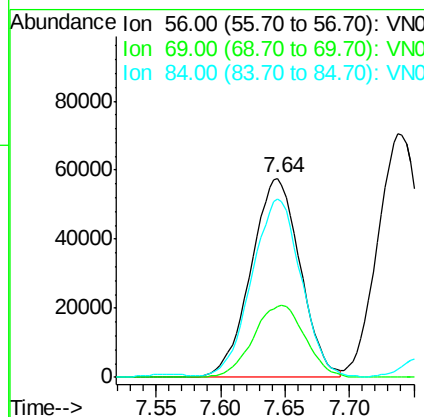
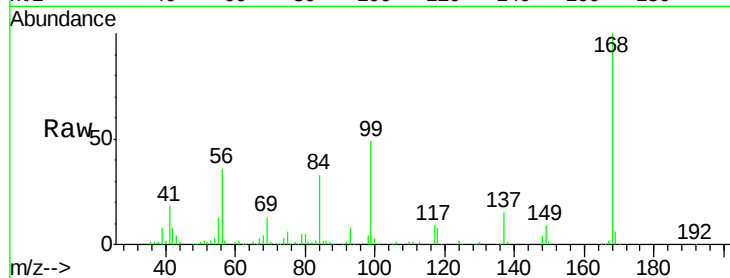
ClientSampleId :

VN0731WBSD01

Tot Ion:	56	Resp:	153055
Ion Ratio	Lower	Upper	
56	100		
69	35.7	26.2	39.2
84	89.0	68.2	102.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.959 ug/l

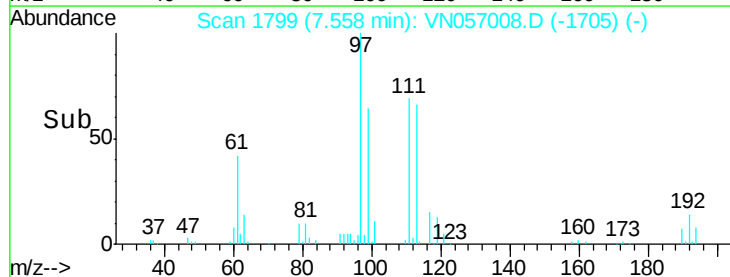
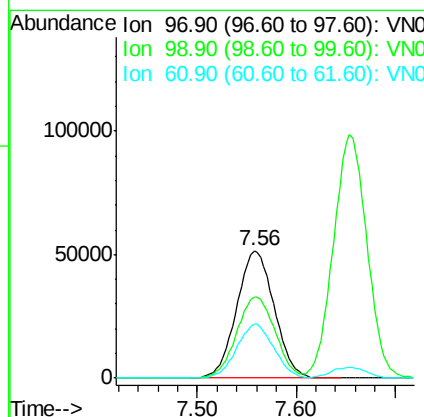
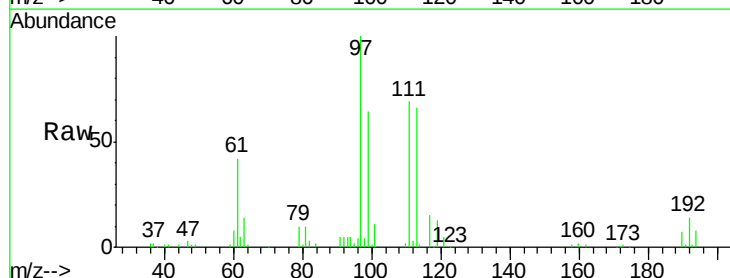
RT: 7.56 min Scan# 1799

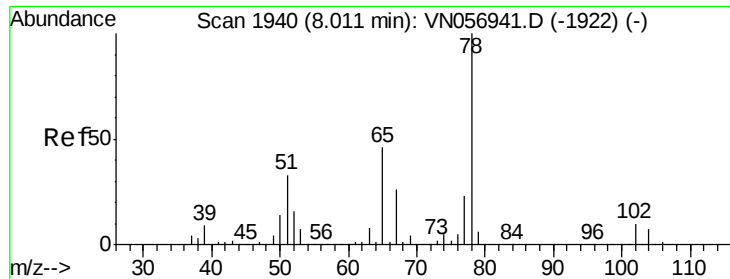
Delta R.T. 0.00 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Tgt Ion:	97	Resp:	135876
Ion Ratio	Lower	Upper	
97	100		
99	65.6	52.3	78.5
61	41.7	33.9	50.9





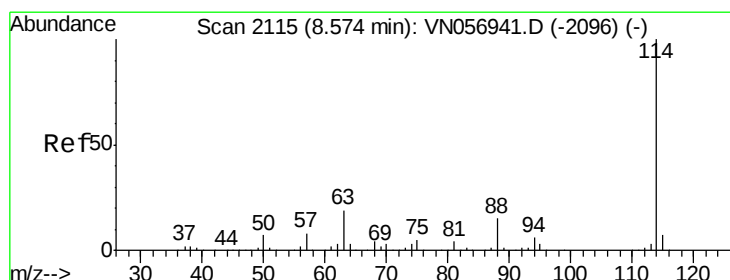
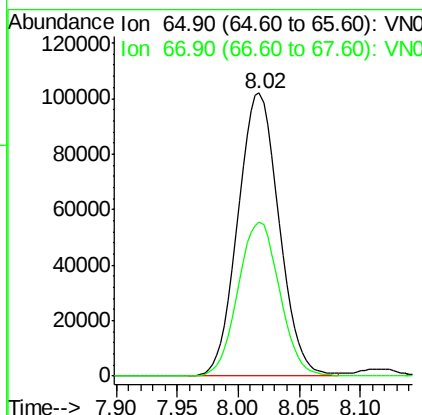
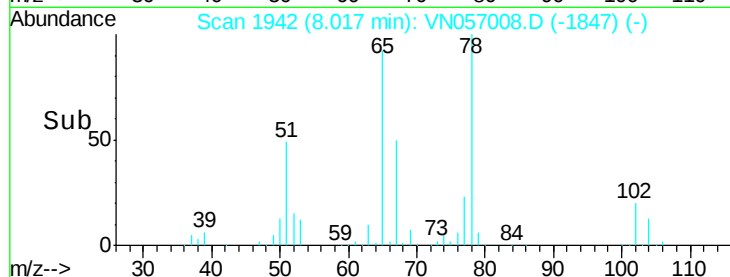
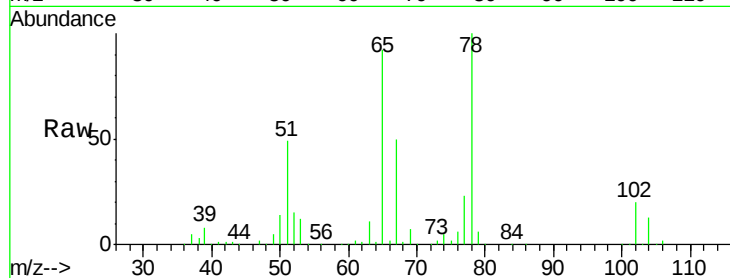
#33
 1,2-Dichloroethane-d4
 Concen: 48.507 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.01 min
 Lab File: VN057008.D
 Acq: 31 Jul 2019 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.0	0.0	112.0	

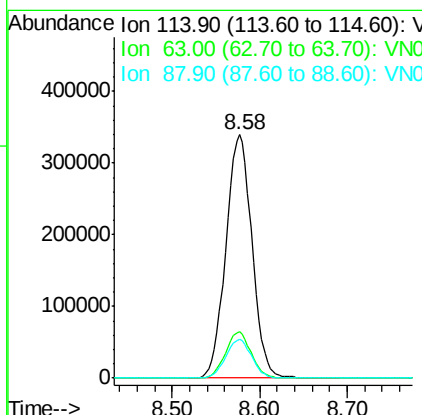
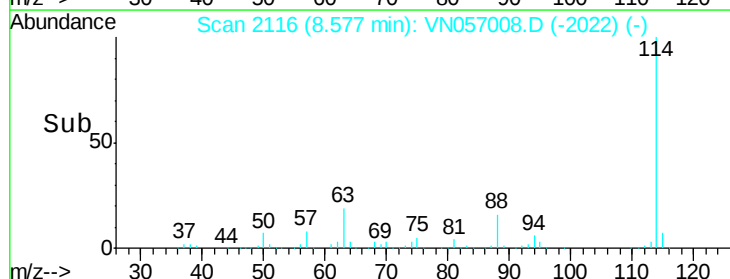
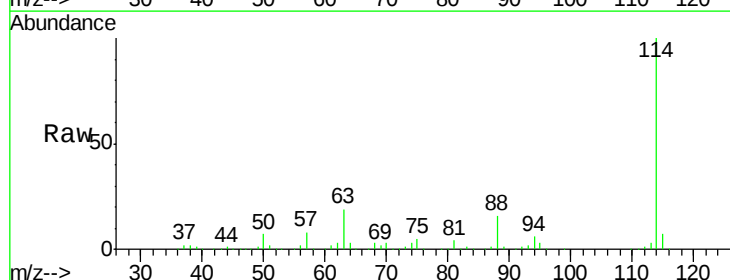
Manual Integrations
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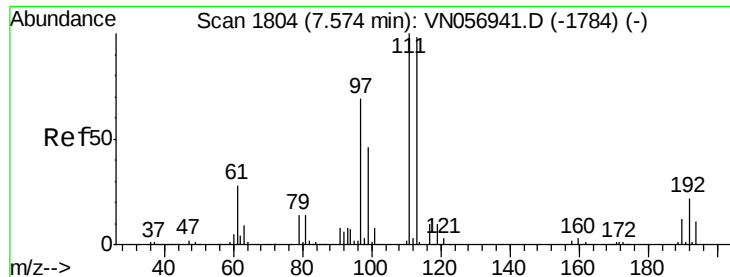
MMdadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057008.D
 Acq: 31 Jul 2019 12:44

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





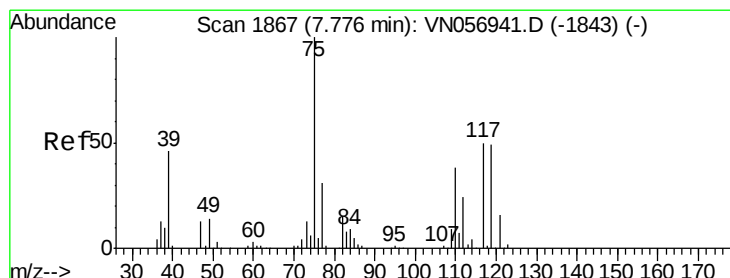
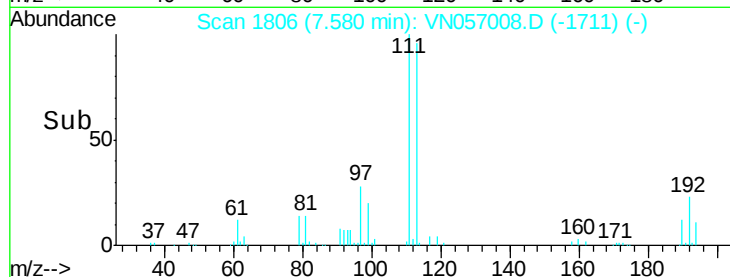
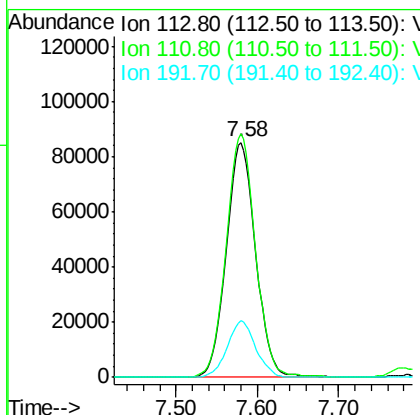
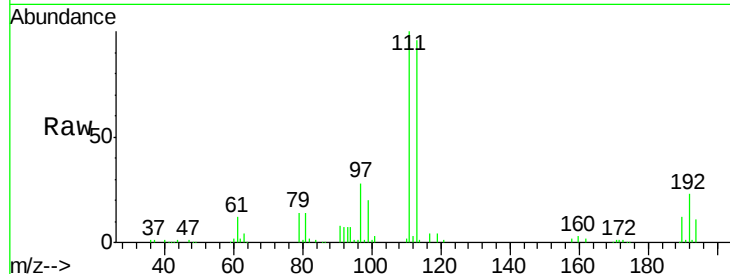
#35
 Dibromofluoromethane
 Concen: 47.689 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057008.D
 Acq: 31 Jul 2019 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.5	82.0	123.0	
192	23.5	18.4	27.6	

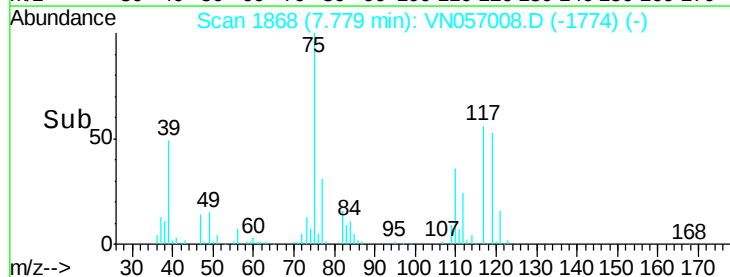
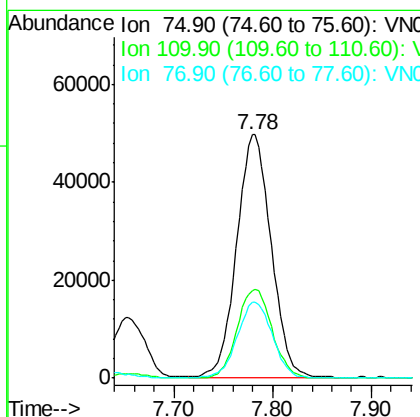
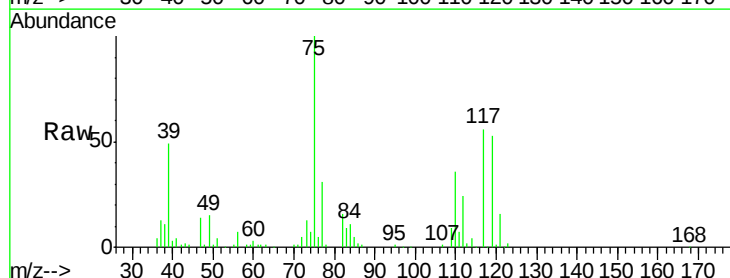
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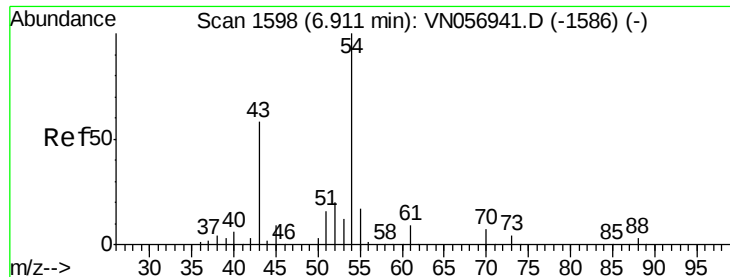
MMdadoda
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#36
 1,1-Dichloropropene
 Concen: 19.579 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057008.D
 Acq: 31 Jul 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.6	18.6	55.8	
77	31.7	25.2	37.8	





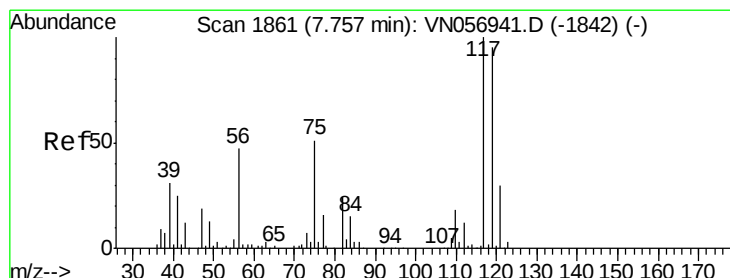
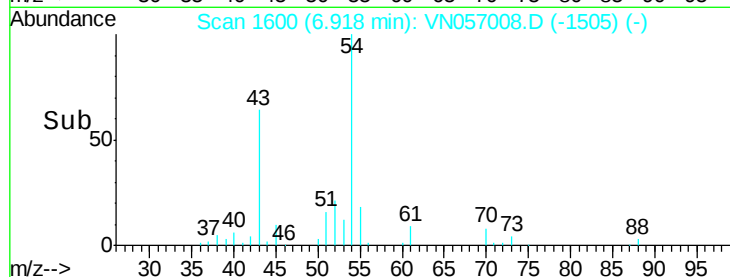
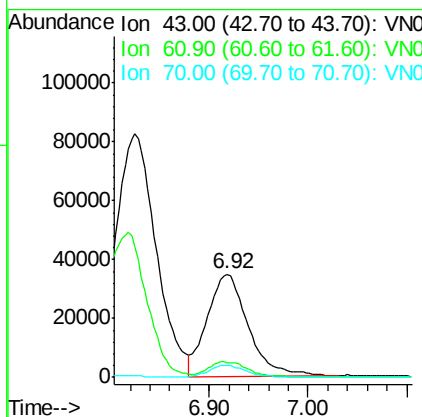
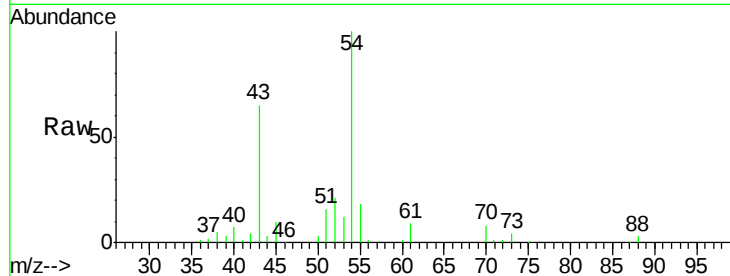
#37
Ethyl Acetate
Concen: 20.405 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Instrument :
MSVOA_N
ClientSampled :
VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.8	17.6
70	11.0	8.5	12.7

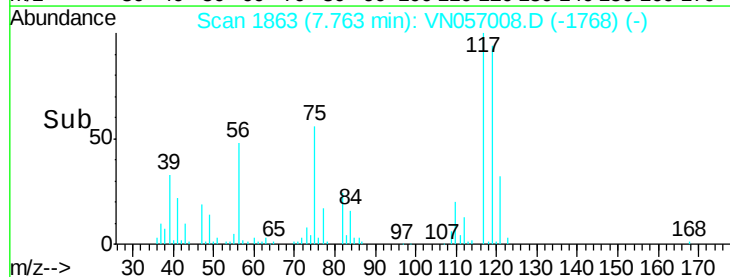
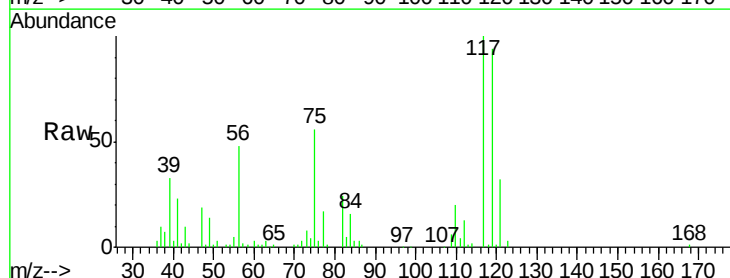
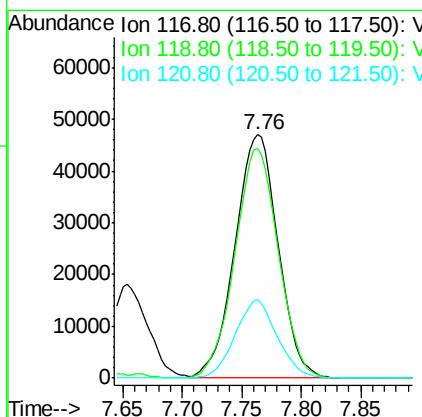
Manual Integrations
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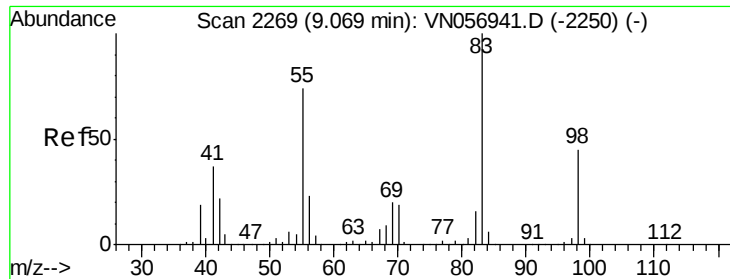
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#38
Carbon Tetrachloride
Concen: 20.224 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.3	112.9
121	32.0	24.2	36.4





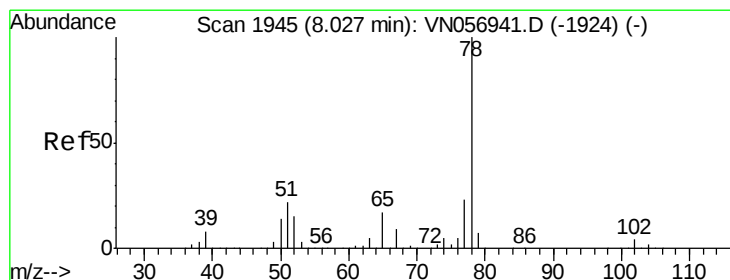
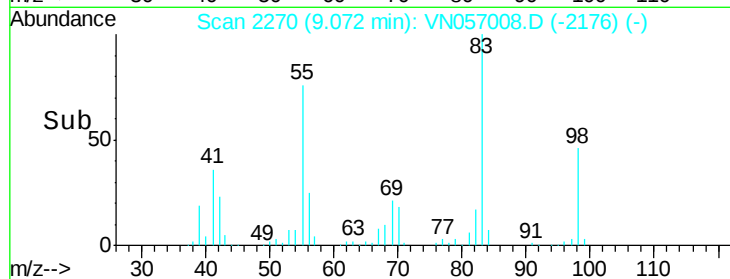
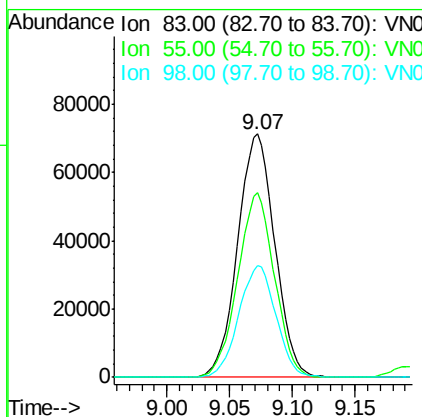
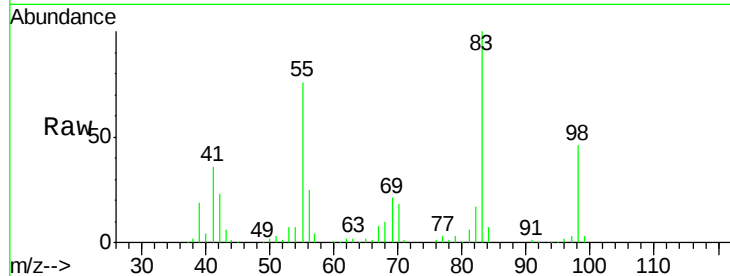
#39
Methvlcvclohexane
Concen: 18.629 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	59.0	88.6
98	45.9	36.2	54.4

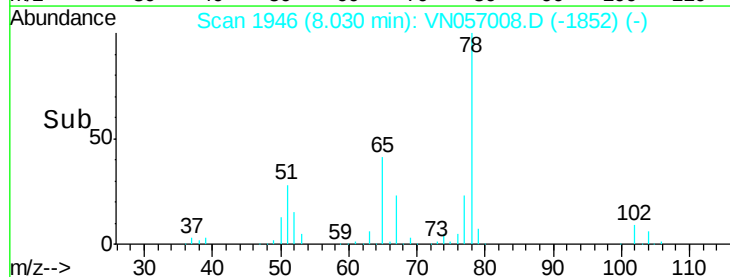
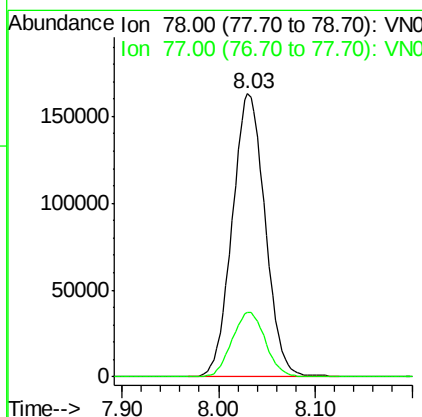
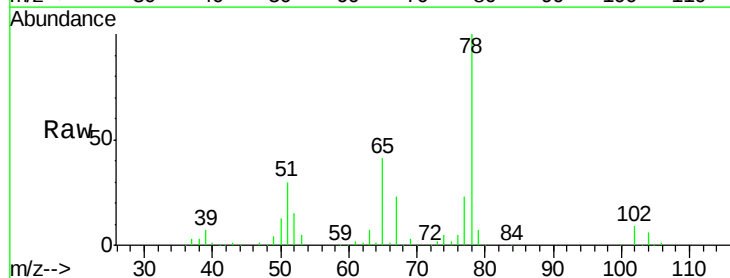
Manual Integrations
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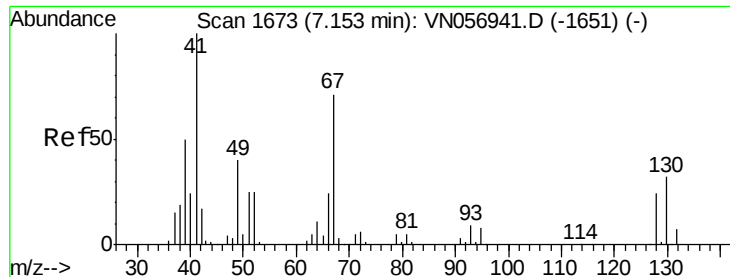
MMdadoda
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#40
Benzene
Concen: 20.253 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.3	27.5





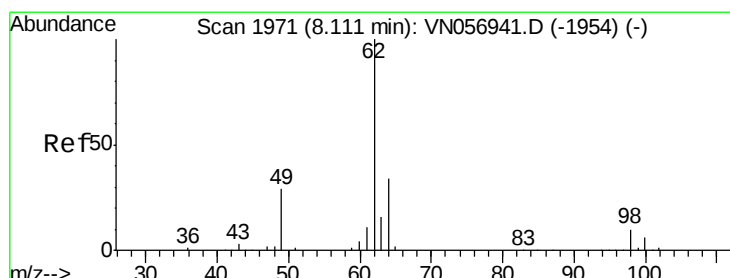
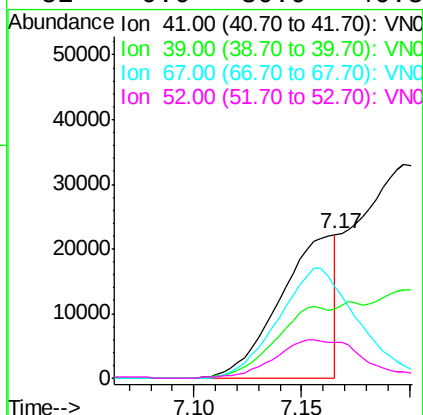
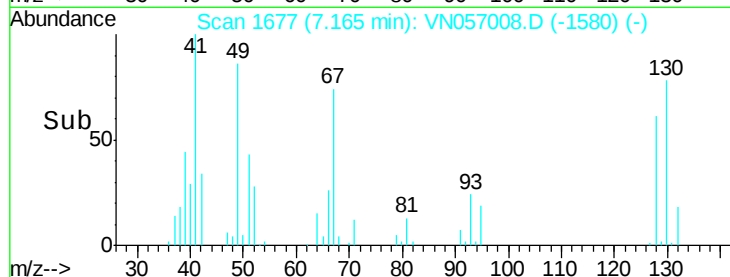
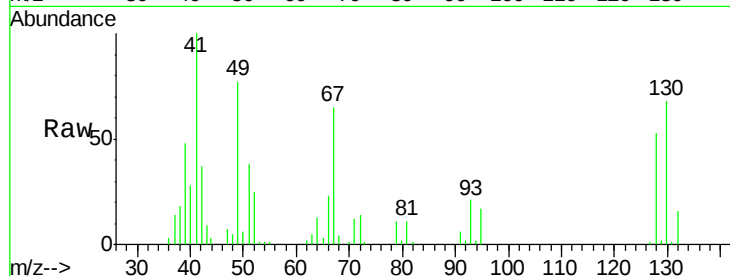
#41
Methacrylonitrile
Concen: 17.356 ug/l m
RT: 7.17 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Instrument :
MSVOA_N
ClientSampled :
VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.9	73.3#
67	0.0	83.4	125.0#
52	0.0	30.9	46.3#

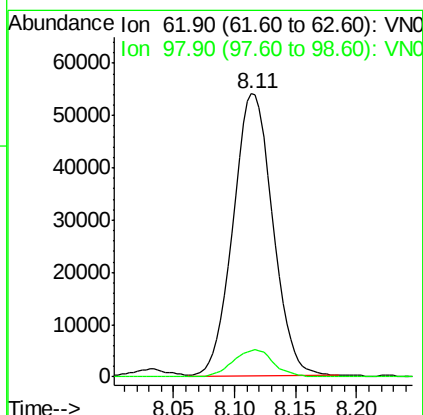
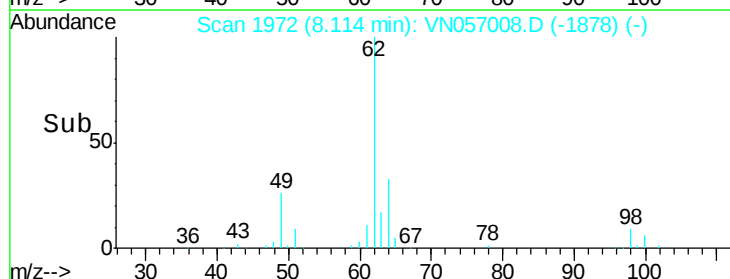
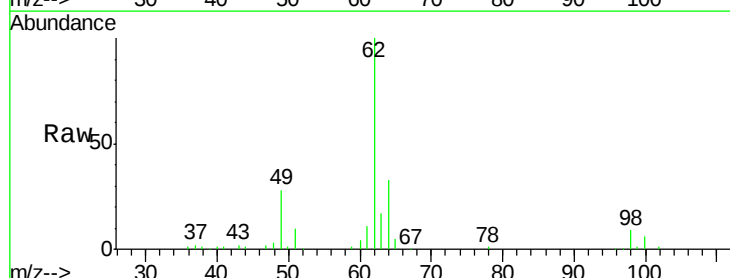
Manual Integrations
APPROVED

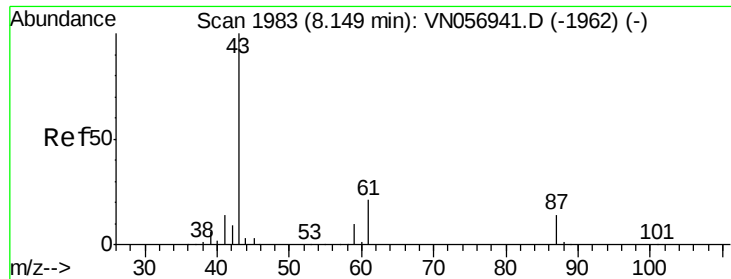
MMDadoda
8/2/2019 10:54:22 PM



#42
1,2-Dichloroethane
Concen: 20.473 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.6





#43

Isopropyl Acetate

Concen: 19.836 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Instrument :

MSVOA_N

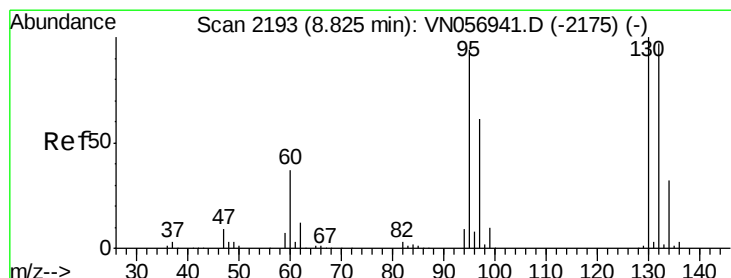
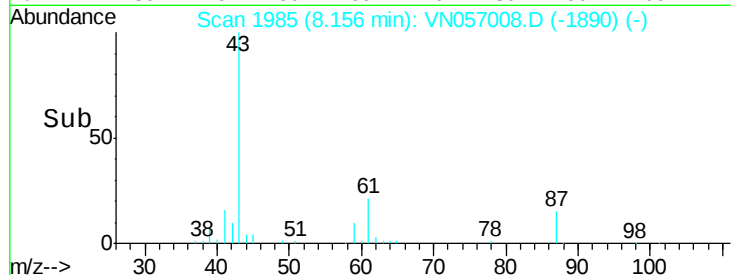
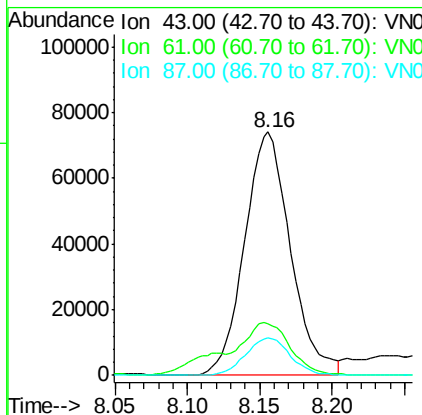
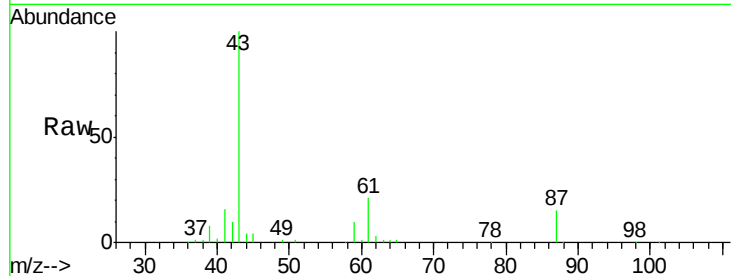
ClientSampleId :

VN0731WBSD01

Tot Ion:	43	Resp:	162249
Ion	Ratio	Lower	Upper
43	100		
61	21.3	23.0	34.6#
87	15.1	11.7	17.5

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#44

Trichloroethene

Concen: 20.139 ug/l

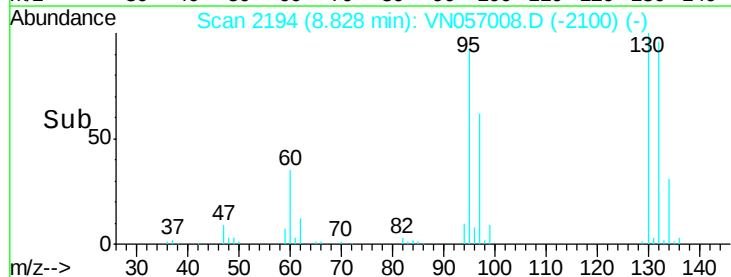
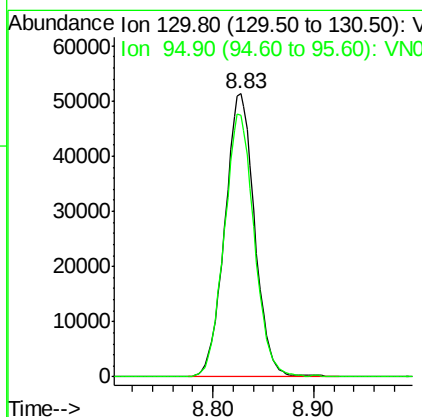
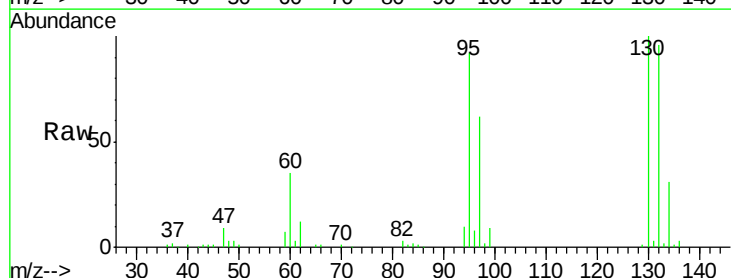
RT: 8.83 min Scan# 2194

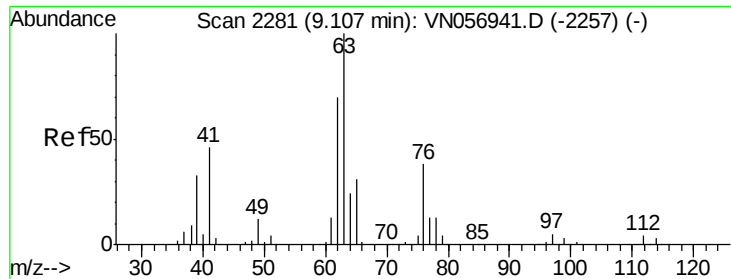
Delta R.T. 0.00 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Tgt Ion:	130	Resp:	105595
Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	189.0





#45

1,2-Dichloropropane

Concen: 20.249 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

Tot Ion: 63 Resp: 103080

Ion Ratio Lower Upper

63 100

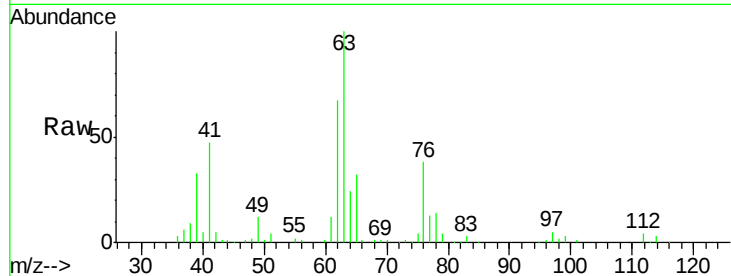
65 31.6 24.8 37.2

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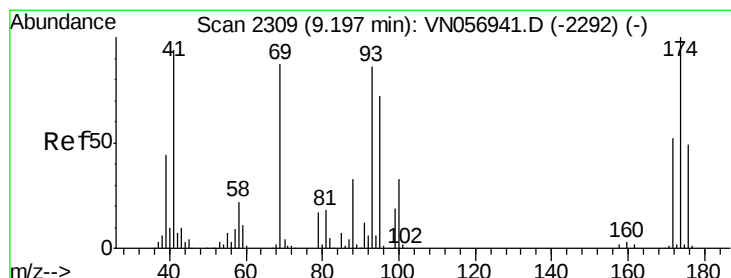
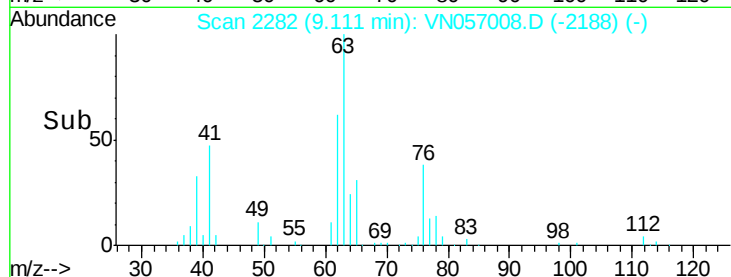
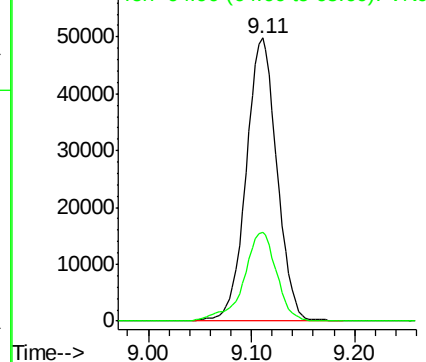
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.362 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

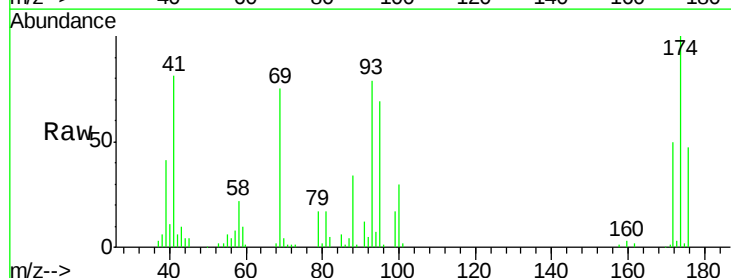
Tgt Ion: 93 Resp: 62511

Ion Ratio Lower Upper

93 100

95 87.8 67.0 100.6

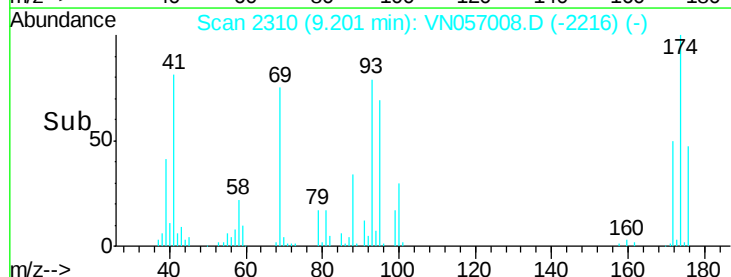
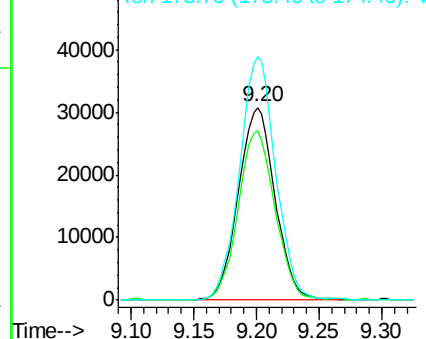
174 124.5 92.7 139.1

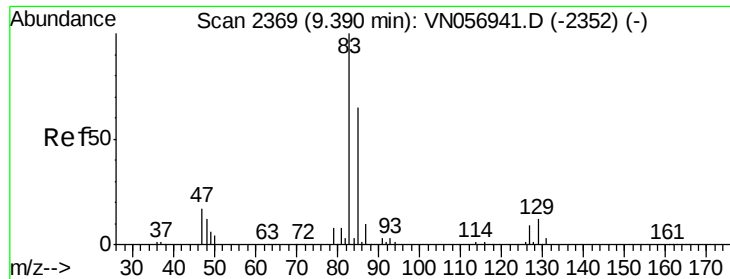


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





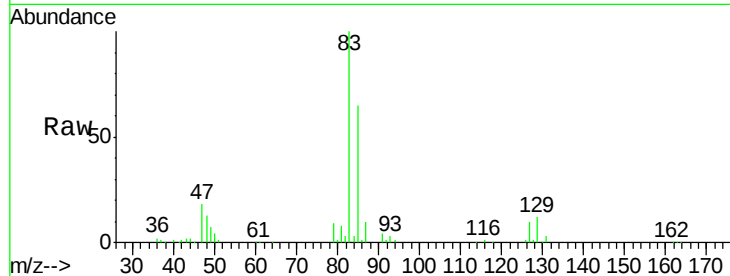
#47
Bromodichloromethane
Concen: 20.409 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

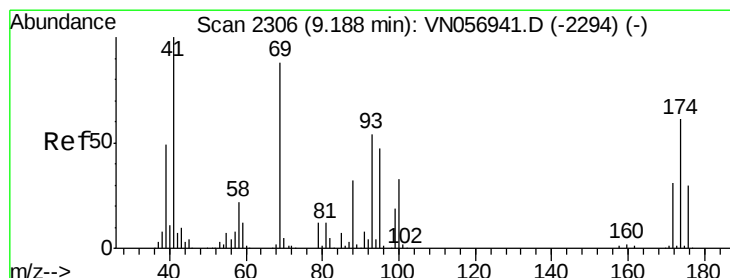
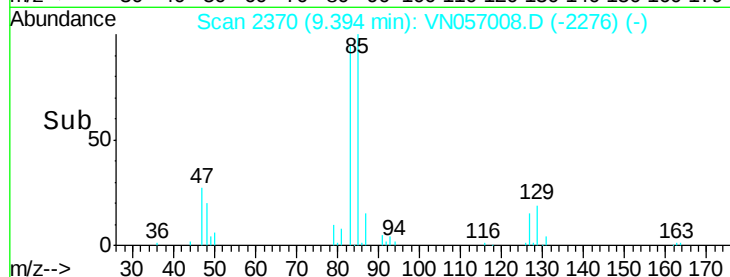
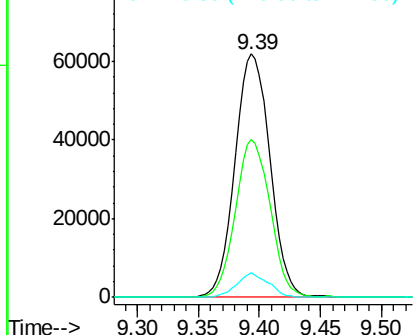
Tot Ion	83	Resp	123187
Ion Ratio	100		
85	64.7	51.6	77.4
127	10.0	7.3	10.9

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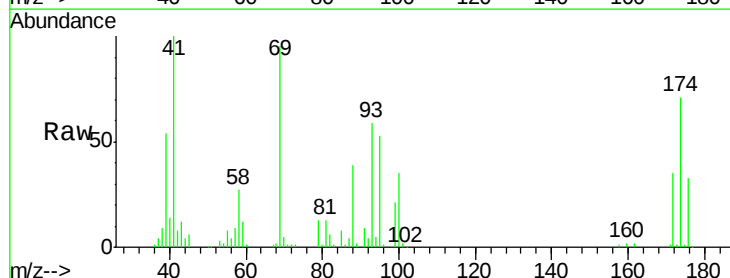


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V

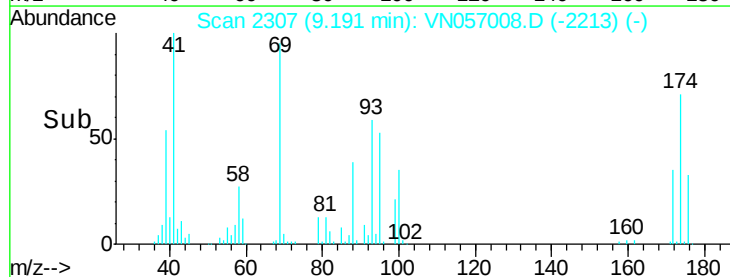
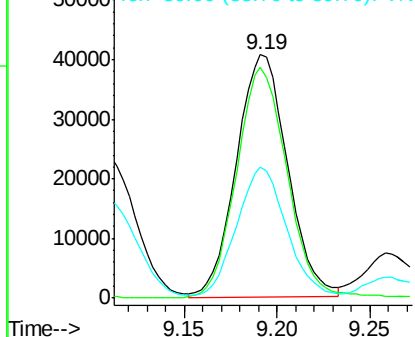


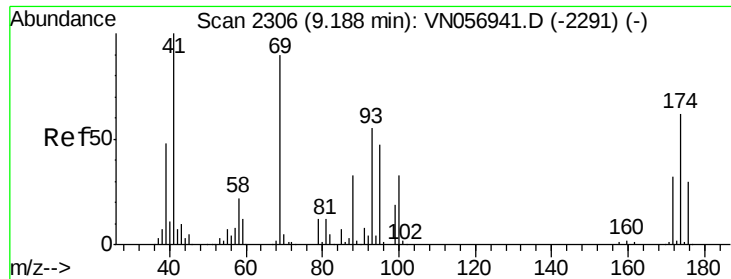
#48
Methyl methacrylate
Concen: 19.774 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Tgt Ion	41	Resp	78089
Ion Ratio	100		
69	94.7	73.4	110.0
39	51.9	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





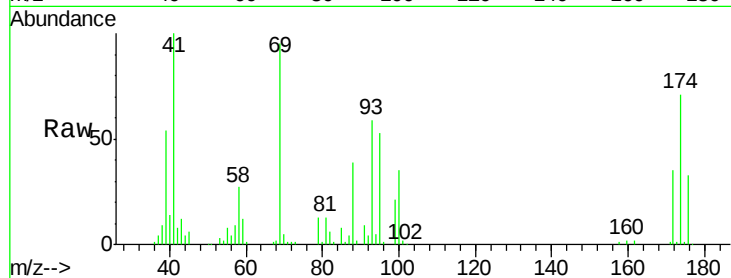
#49
1,4-Dioxane
Concen: 431.397 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.4	22.2	33.2
58	65.7	54.1	81.1

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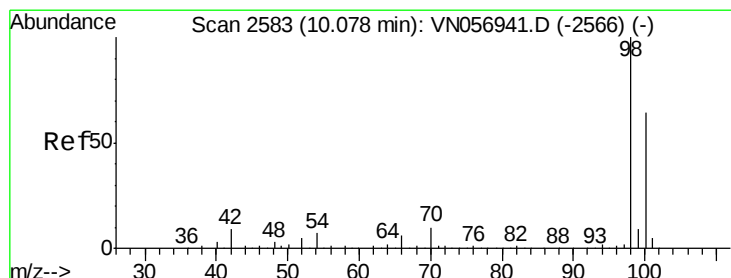
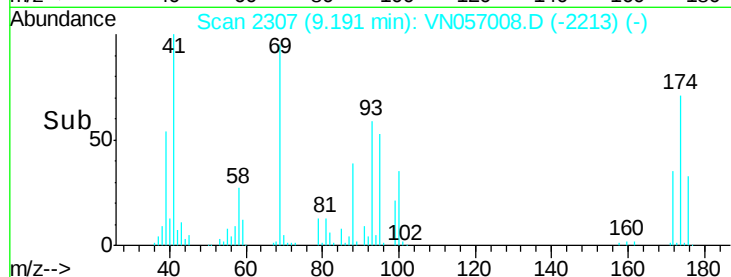
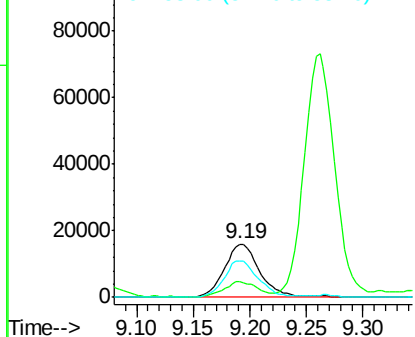


Abundance

Ion 88.00 (87.70 to 88.70): VN0

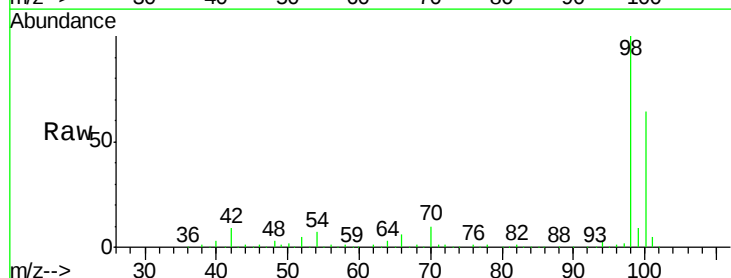
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 47.701 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

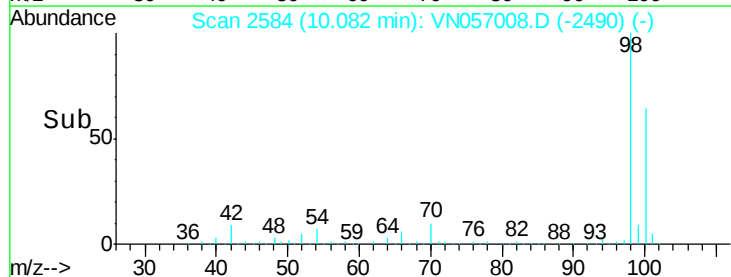
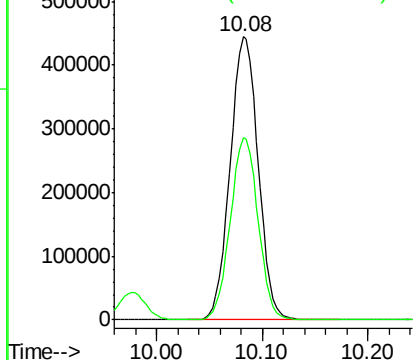
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.3	76.9

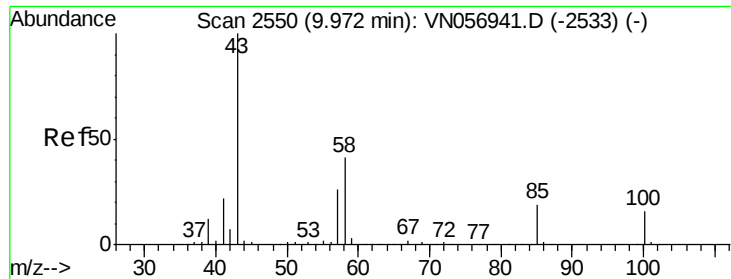


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 102.318 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

Tot Ion: 43 Resp: 497267

Ion Ratio Lower Upper

43 100

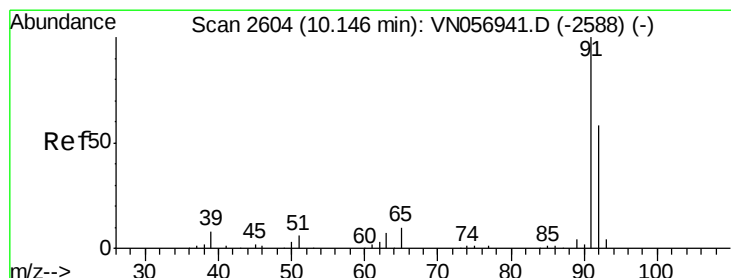
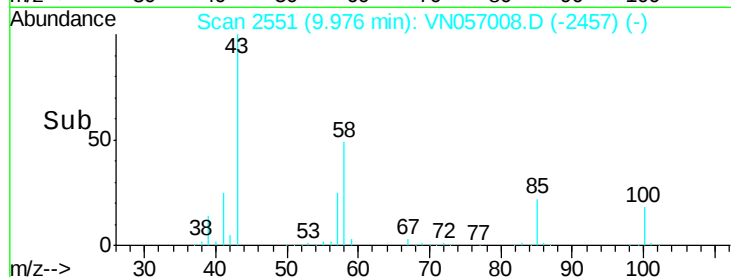
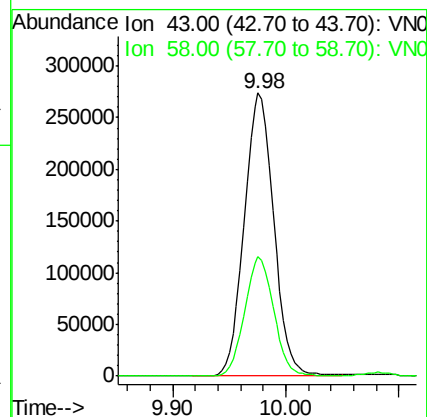
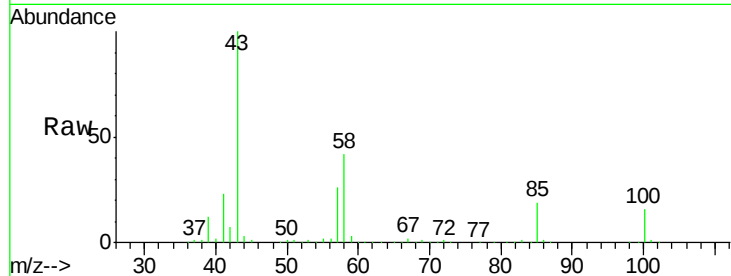
58 41.6 33.1 49.7

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#52

Toluene

Concen: 20.758 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN057008.D

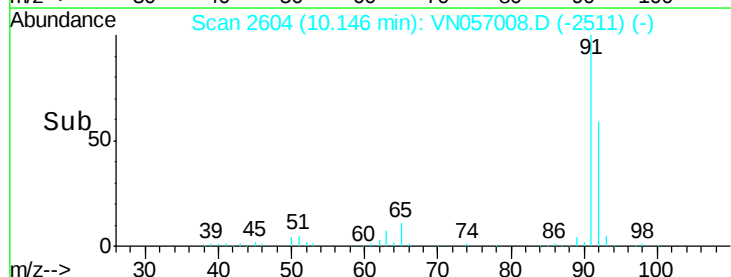
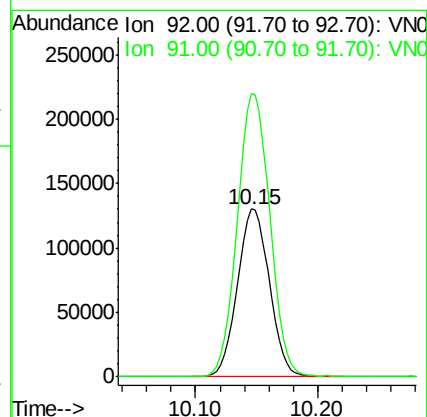
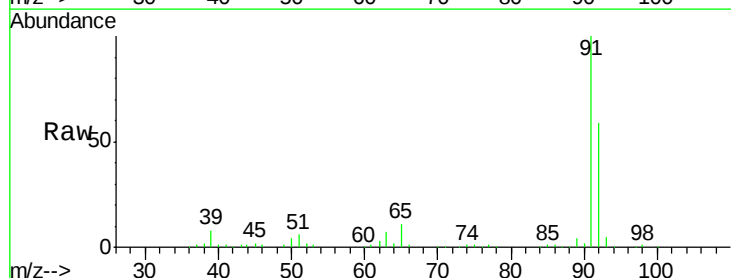
Acq: 31 Jul 2019 12:44

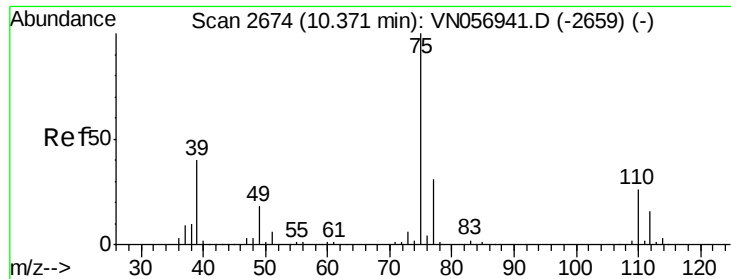
Tgt Ion: 92 Resp: 237352

Ion Ratio Lower Upper

92 100

91 172.2 138.0 207.0





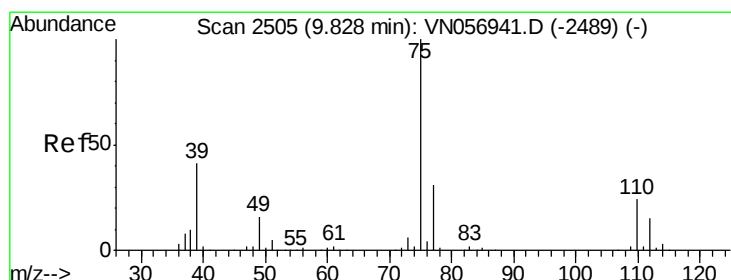
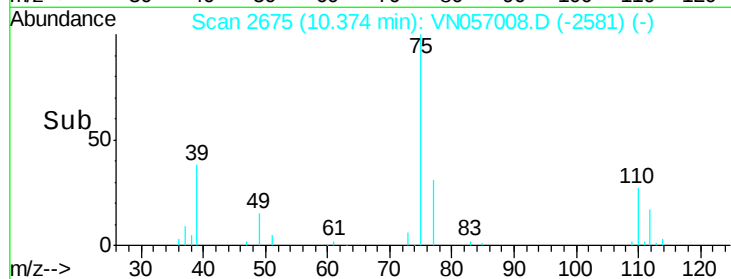
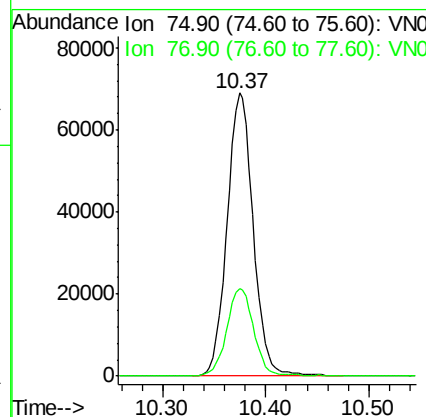
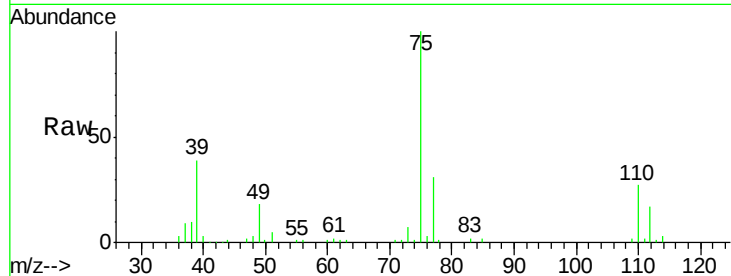
#53
 t-1,3-Dichloropropene
 Concen: 19.398 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VN057008.D
 Acq: 31 Jul 2019 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Tot Ion: 75 Resp: 121497
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.1 37.7

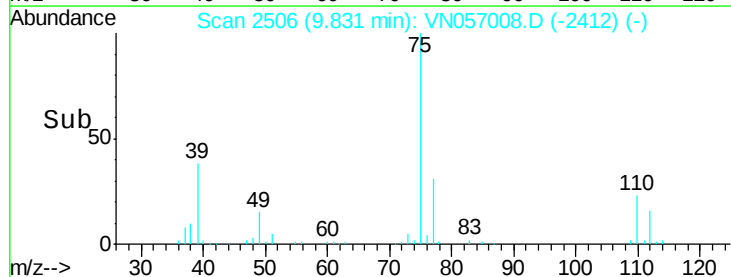
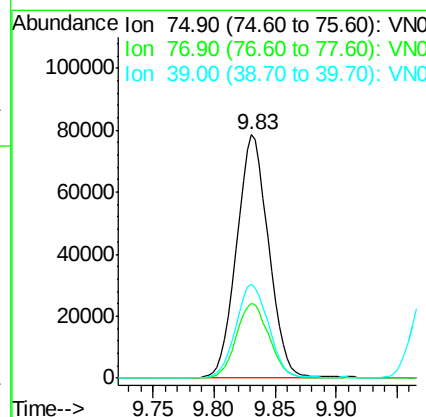
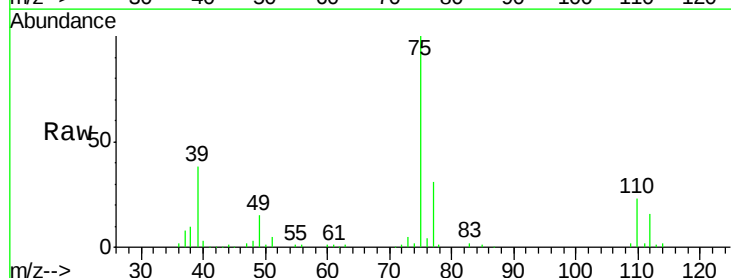
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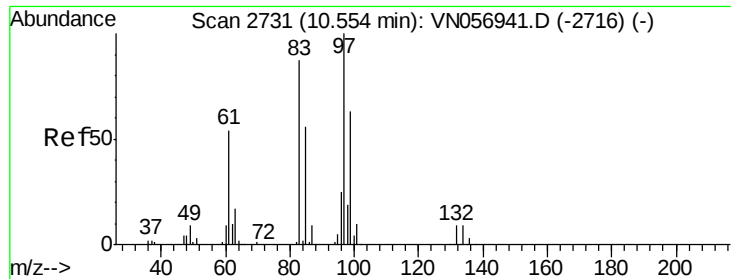
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#54
 cis-1,3-Dichloropropene
 Concen: 19.701 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: VN057008.D
 Acq: 31 Jul 2019 12:44

Tgt Ion: 75 Resp: 143474
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.0 37.6
 39 38.5 32.6 49.0





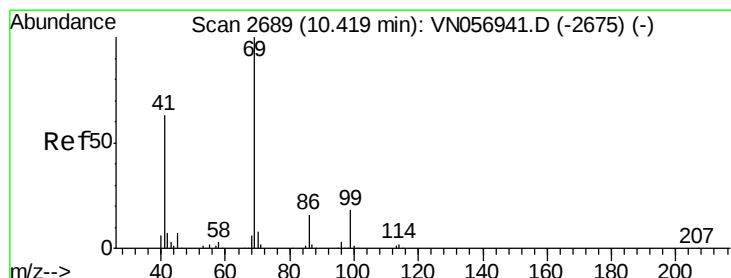
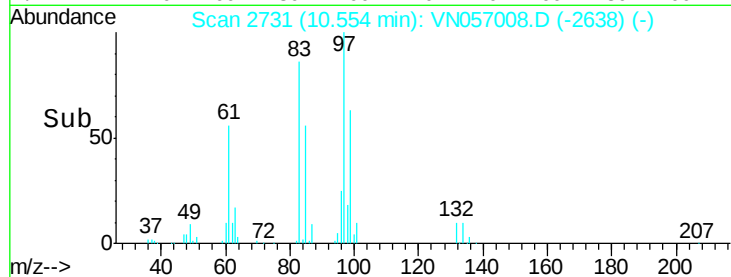
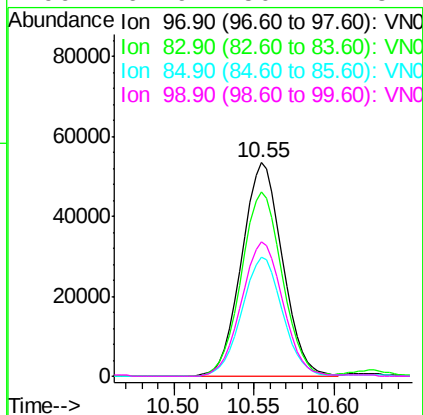
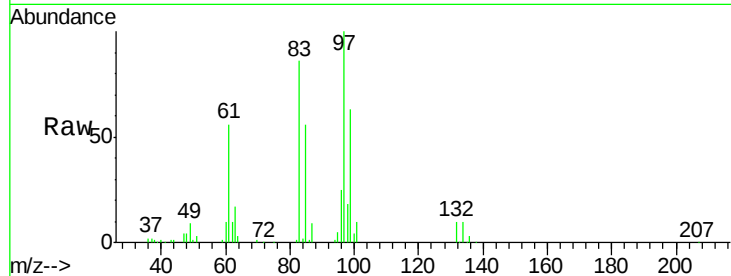
#55
 1,1,2-Trichloroethane
 Concen: 20.293 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN057008.D
 Acq: 31 Jul 2019 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Tot Ion:	97	Resp:	93057
Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.4	104.0
85	55.6	44.7	67.1
99	62.9	50.1	75.1

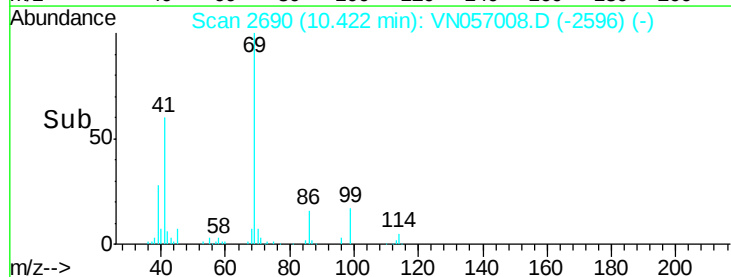
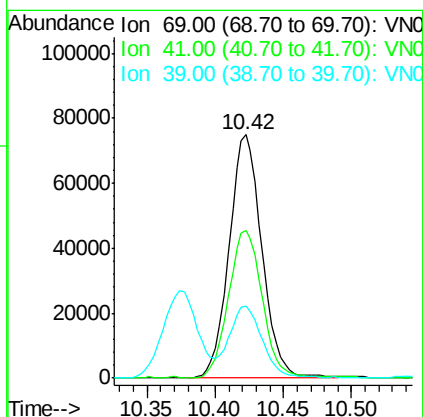
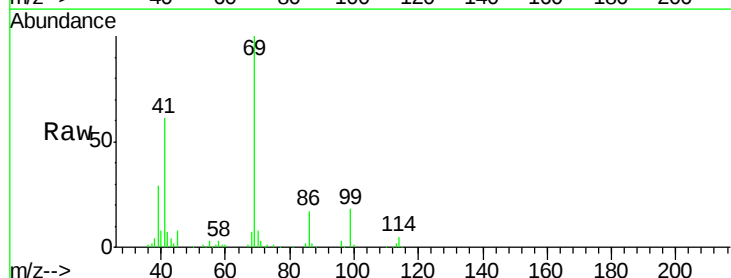
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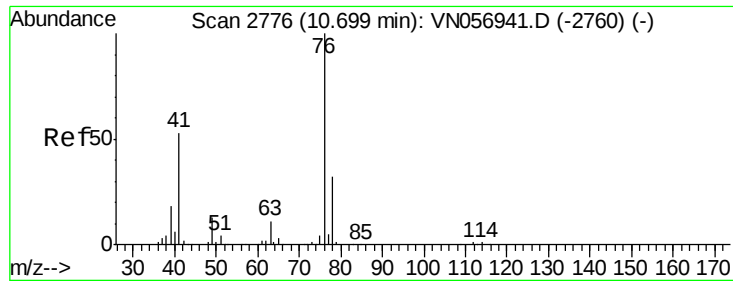
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#56
 Ethyl methacrylate
 Concen: 19.186 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN057008.D
 Acq: 31 Jul 2019 12:44

Tgt Ion:	69	Resp:	125077
Ion	Ratio	Lower	Upper
69	100		
41	61.8	49.2	73.8
39	29.5	23.1	34.7





#57

1,3-Dichloropropane

Concen: 20.371 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

Tot Ion: 76 Resp: 154901

Ion Ratio Lower Upper

76 100

78 32.3

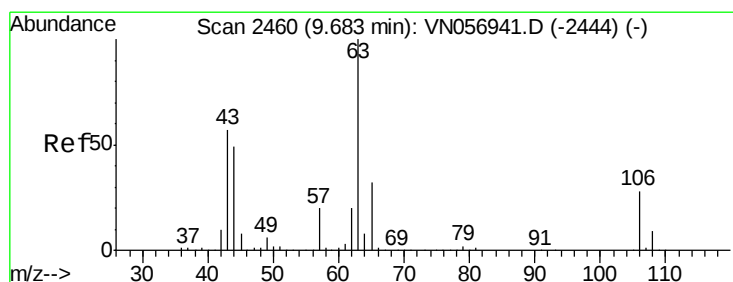
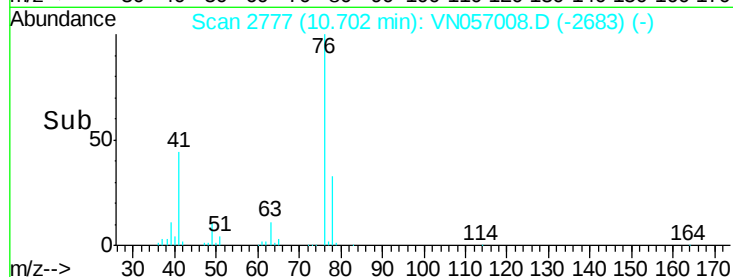
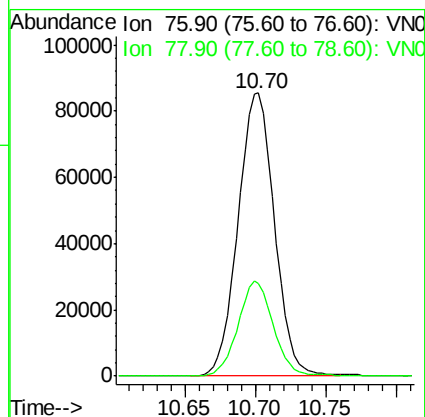
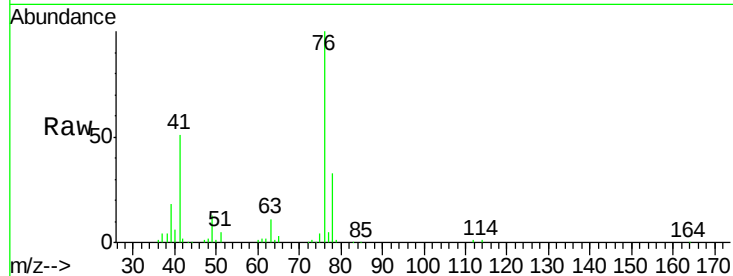
25.9

38.9

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#58

2-Chloroethyl Vinyl ether

Concen: 81.927 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Tgt Ion: 63 Resp: 225127

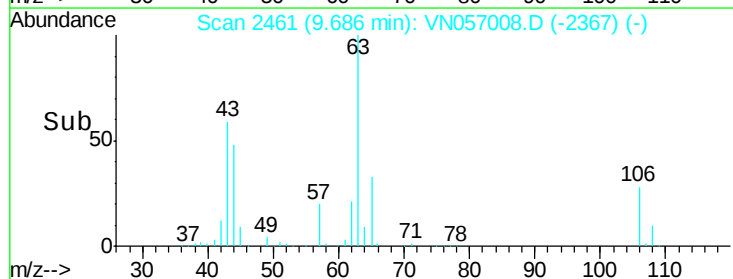
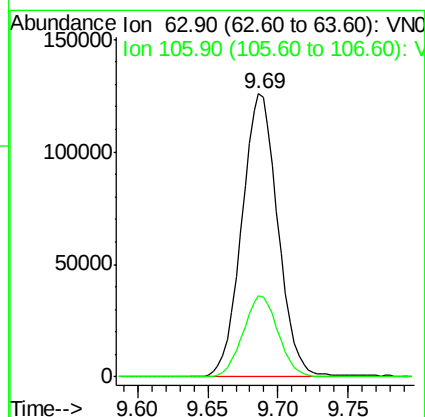
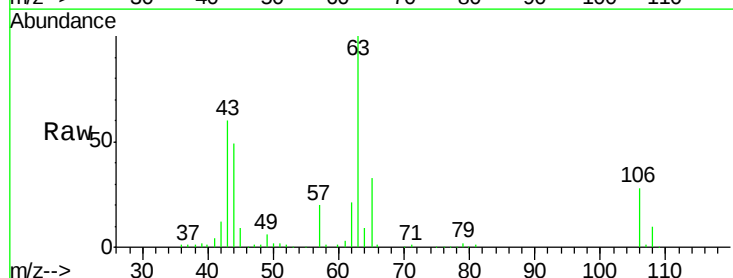
Ion Ratio Lower Upper

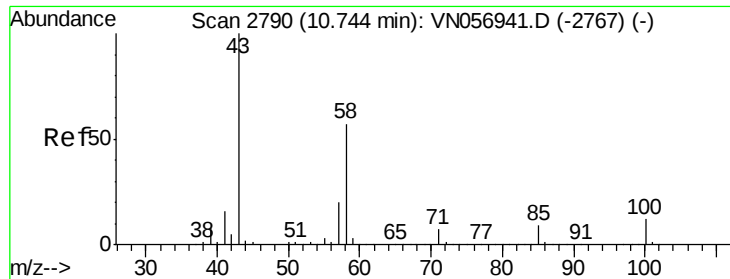
63 100

106 28.2

22.0

33.0





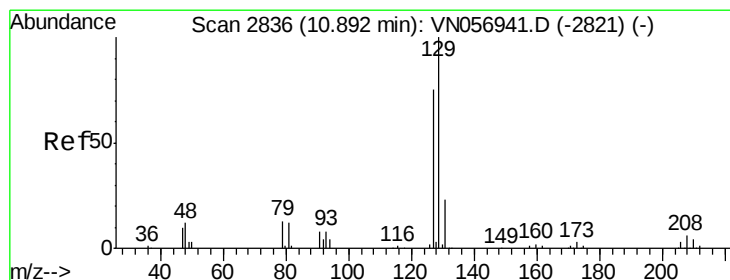
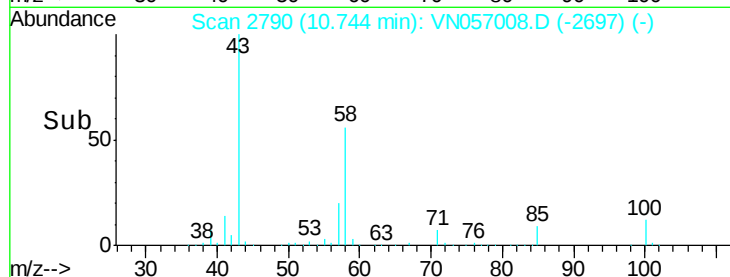
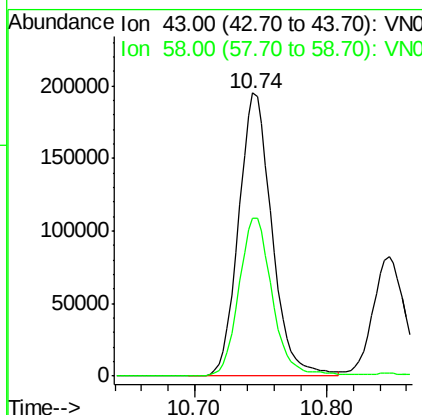
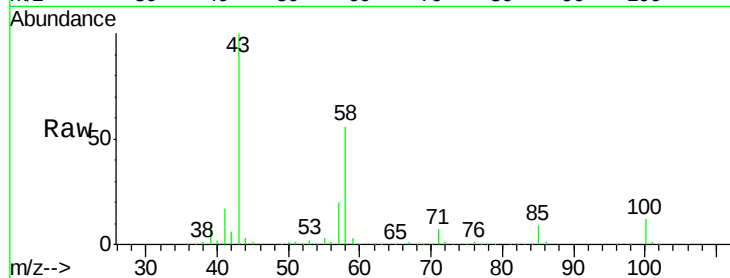
#59
2-Hexanone
Concen: 92.298 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Instrument :
MSVOA_N
ClientSampled :
VN0731WBSD01

Tot Ion: 43 Resp: 339479
Ion Ratio Lower Upper
43 100
58 56.5 28.5 85.5

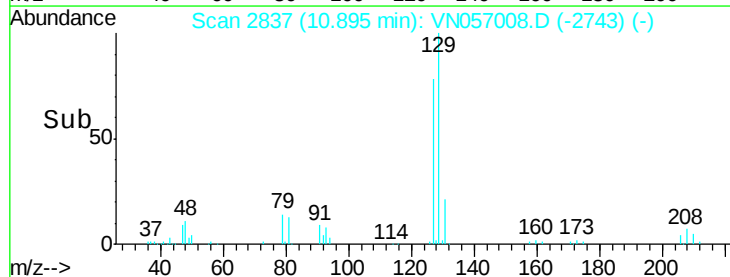
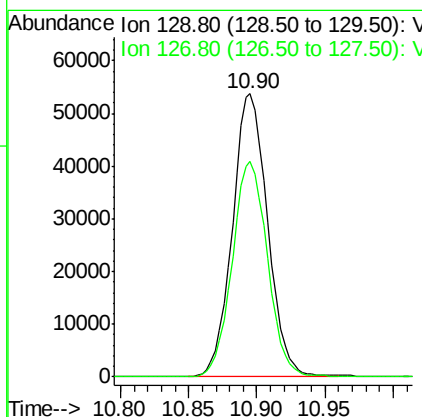
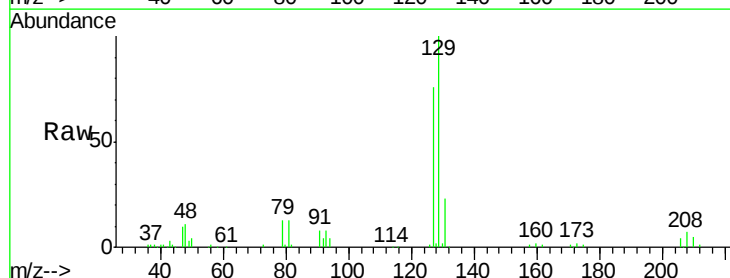
Manual Integrations
APPROVED

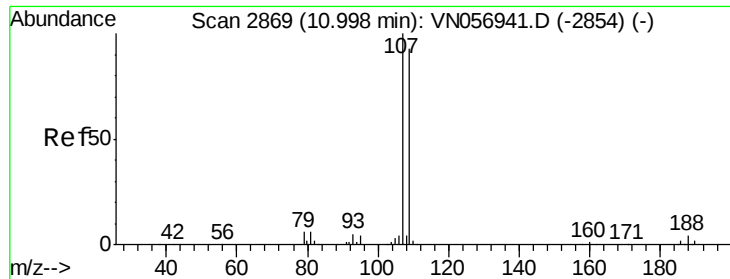
MMDadoda
8/2/2019 10:54:22 PM



#60
Dibromochloromethane
Concen: 20.503 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Tgt Ion: 129 Resp: 96322
Ion Ratio Lower Upper
129 100
127 76.2 38.0 113.9





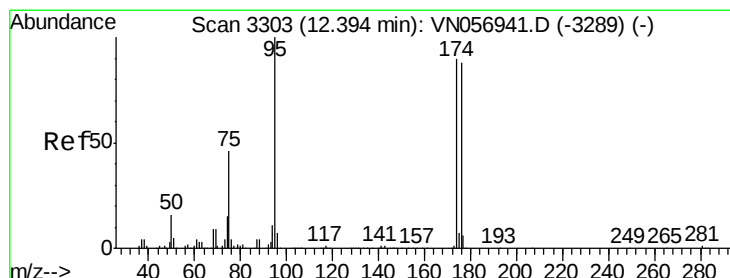
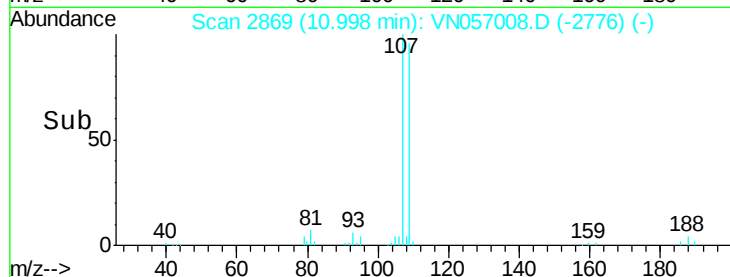
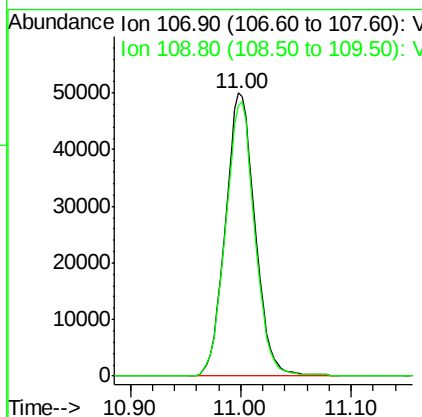
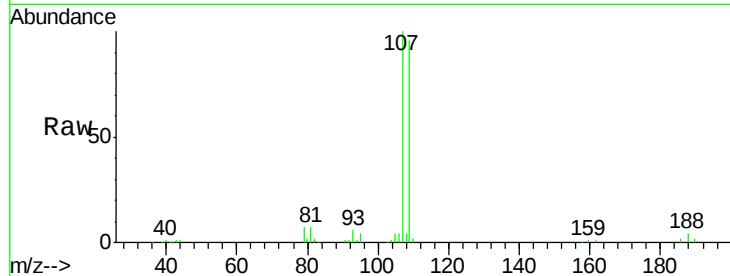
#61
 1,2-Dibromoethane
 Concen: 20.812 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN057008.D
 Acq: 31 Jul 2019 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Tot Ion: 107 Resp: 93134
 Ion Ratio Lower Upper
 107 100
 109 95.2 76.0 114.0

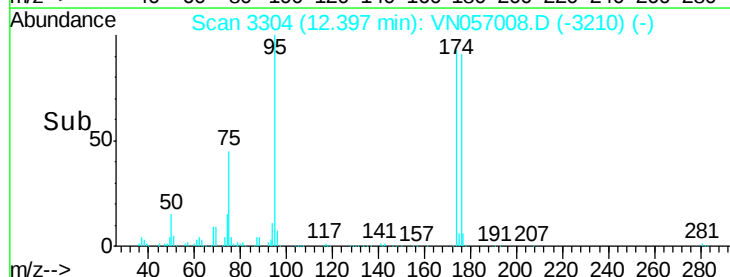
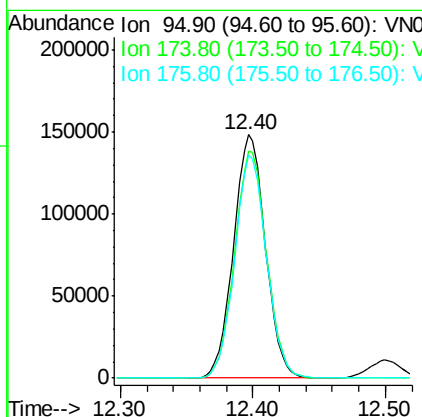
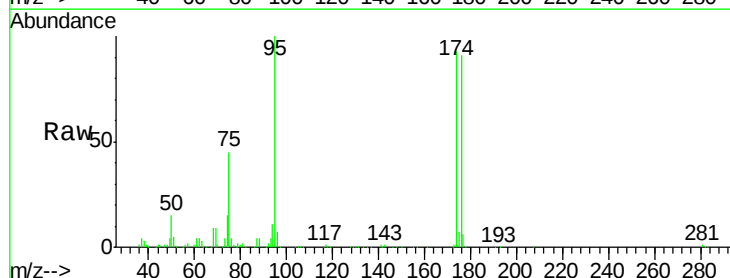
Manual Integrations
 APPROVED

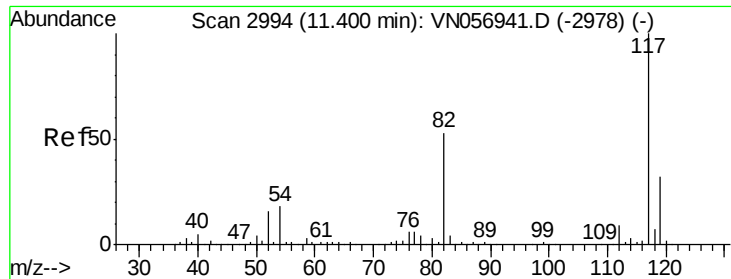
MMdadoda
 8/2/2019 10:54:22 PM



#62
 4-Bromofluorobenzene
 Concen: 44.298 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN057008.D
 Acq: 31 Jul 2019 12:44

Tgt Ion: 95 Resp: 247217
 Ion Ratio Lower Upper
 95 100
 174 94.1 0.0 182.2
 176 91.2 0.0 179.4





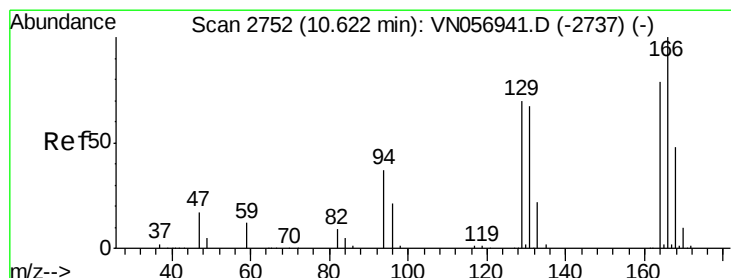
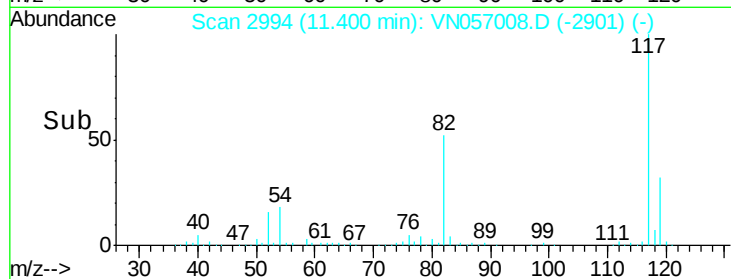
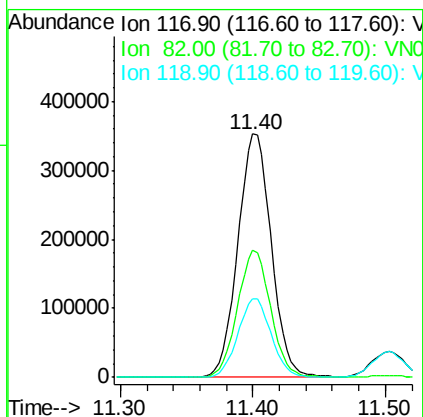
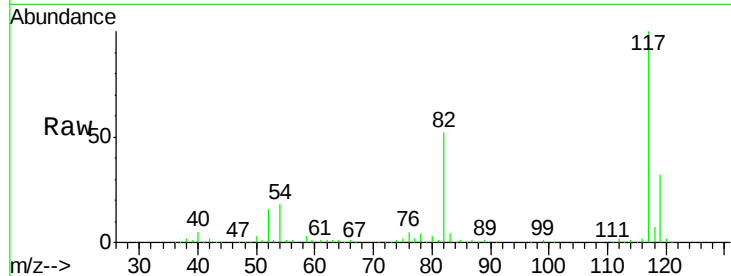
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.2	63.4
119	32.5	25.8	38.6

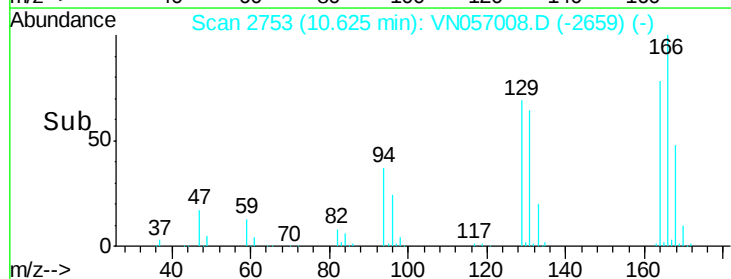
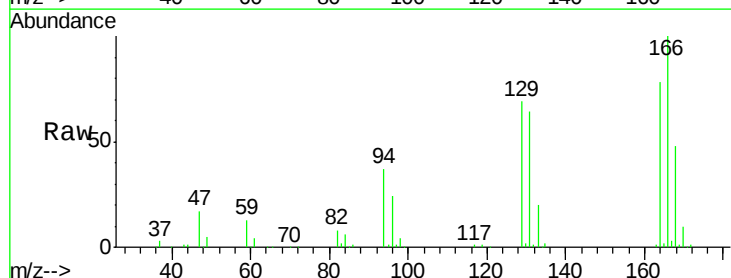
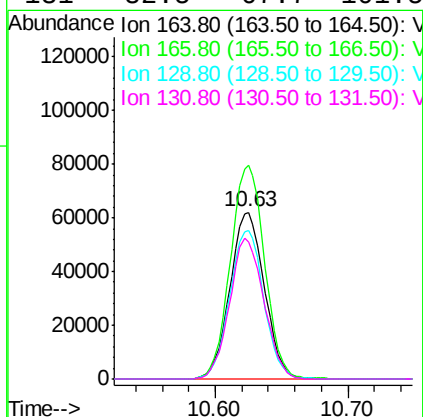
Manual Integrations
APPROVED

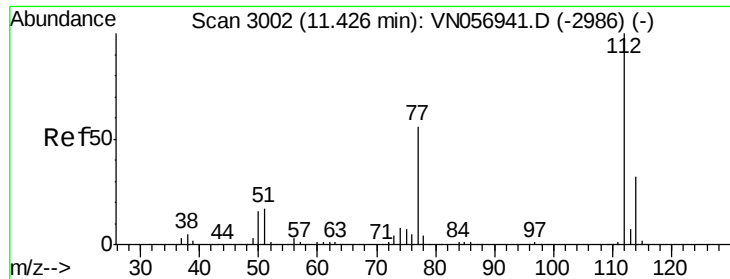
MMdadoda
8/2/2019 10:54:22 PM



#64
Tetrachloroethene
Concen: 20.915 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.1	151.7
129	88.9	70.9	106.3
131	82.5	67.7	101.5





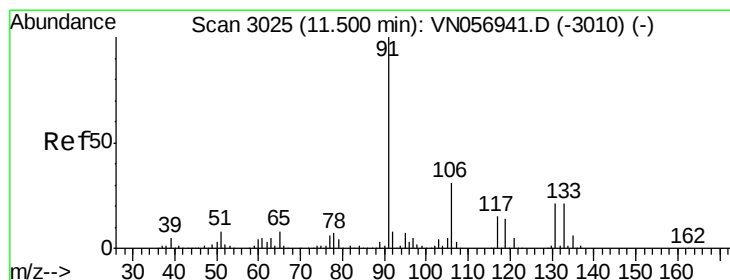
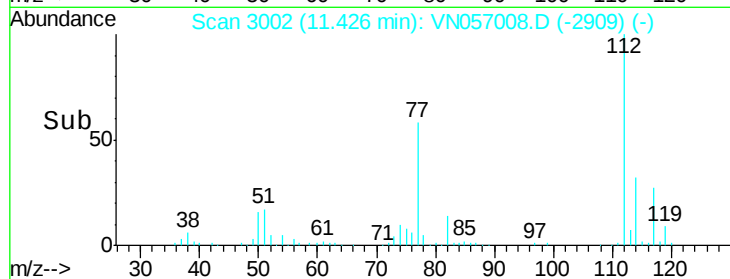
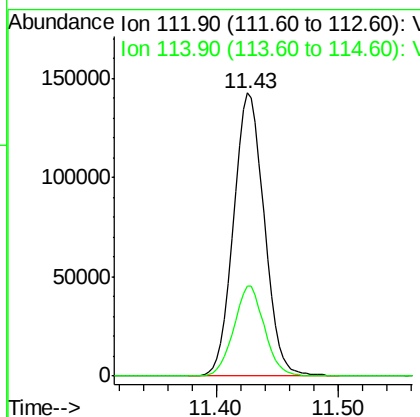
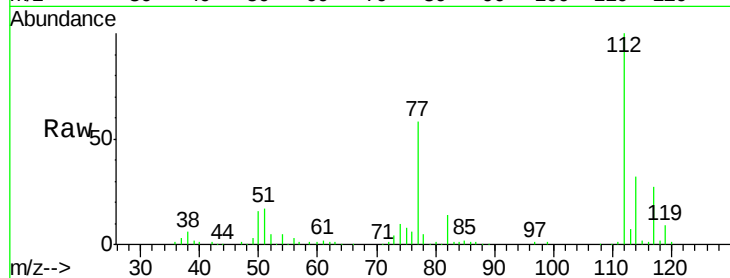
#65
Chlorobenzene
Concen: 19.739 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

Tot Ion:112 Resp: 249072
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0

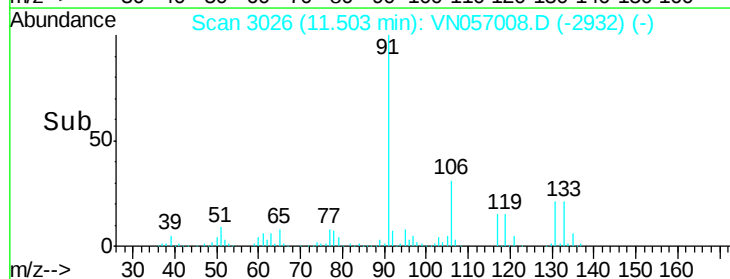
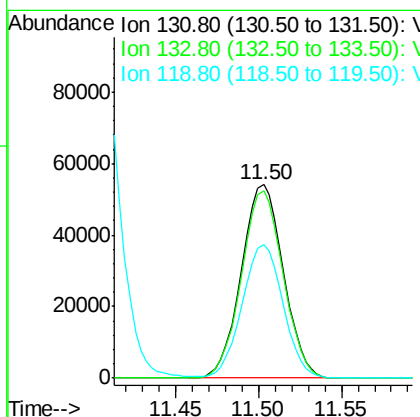
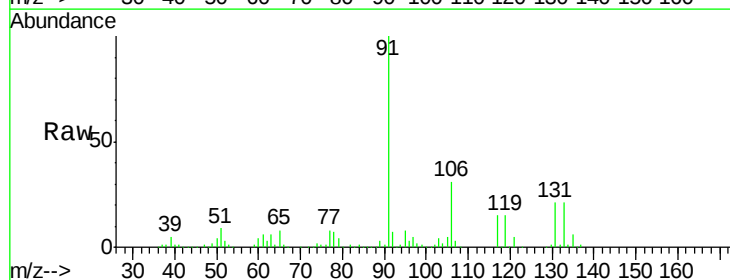
Manual Integrations
APPROVED

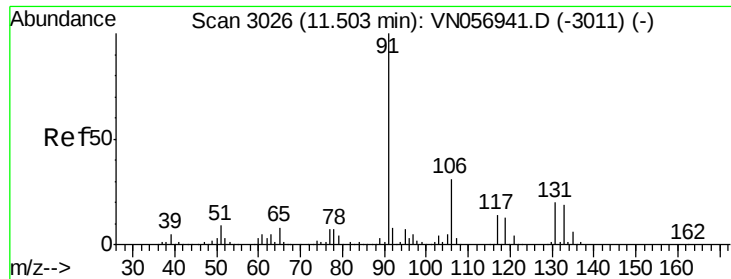
MMdadoda
8/2/2019 10:54:22 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.096 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Tgt Ion:131 Resp: 95438
Ion Ratio Lower Upper
131 100
133 96.1 48.0 144.0
119 67.4 33.2 99.6





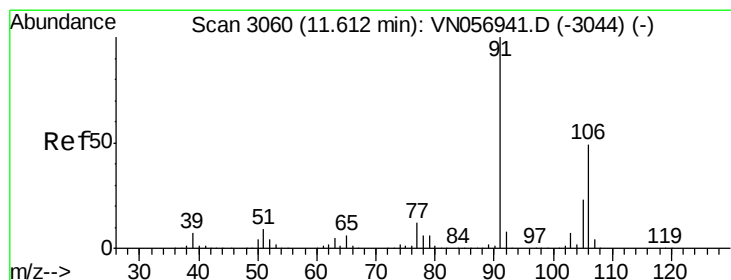
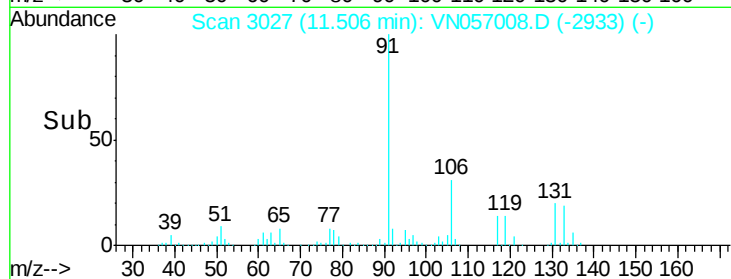
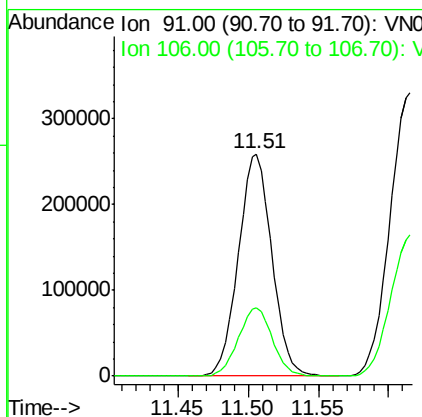
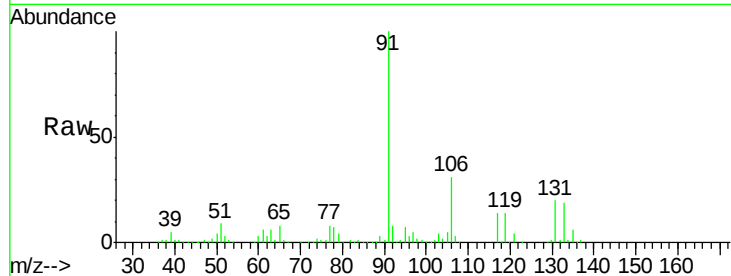
#67
Ethyl Benzene
Concen: 19.766 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Instrument :
MSVOA_N
ClientSampled :
VN0731WBSD01

Tot Ion: 91 Resp: 431058
Ion Ratio Lower Upper
91 100
106 31.0 25.1 37.7

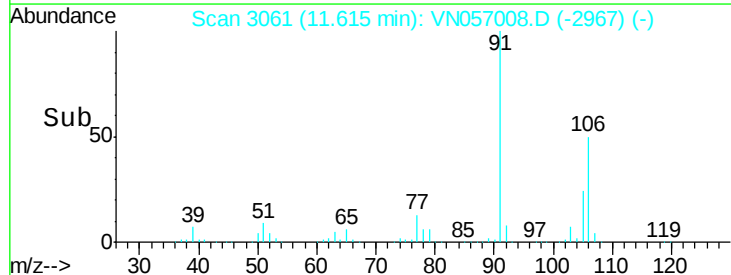
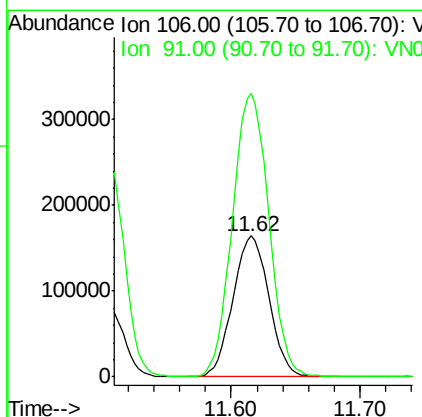
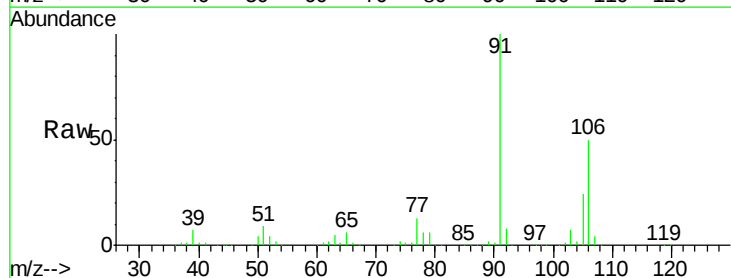
Manual Integrations
APPROVED

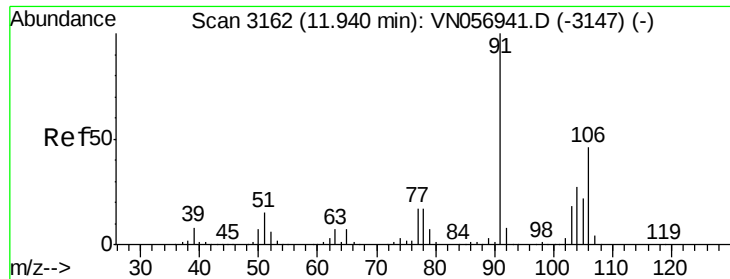
MMdadoda
8/2/2019 10:54:22 PM



#68
m/p-Xylenes
Concen: 39.693 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Tgt Ion: 106 Resp: 319459
Ion Ratio Lower Upper
106 100
91 202.7 160.0 240.0





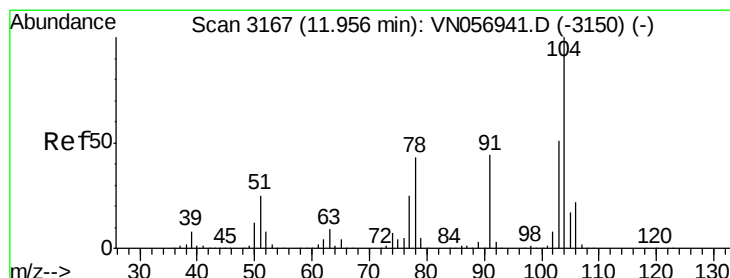
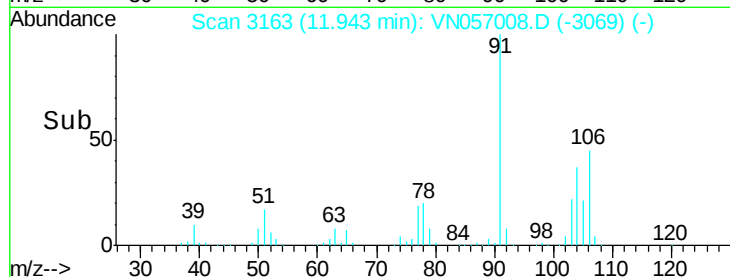
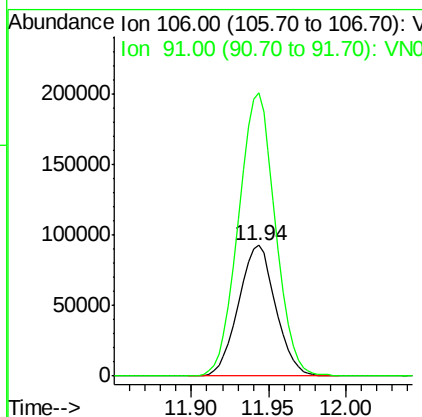
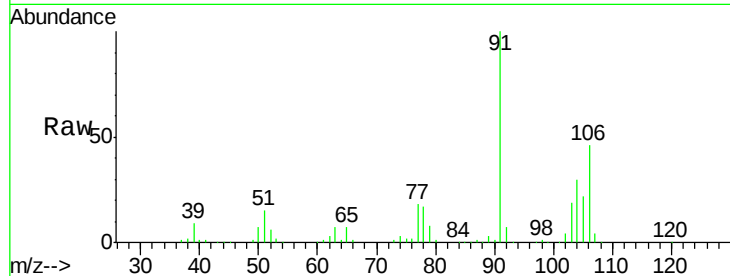
#69
o-Xylene
Concen: 19.680 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Instrument :
MSVOA_N
ClientSampled :
VN0731WBSD01

Tot Ion:106 Resp: 154960
Ion Ratio Lower Upper
106 100
91 214.4 106.2 318.6

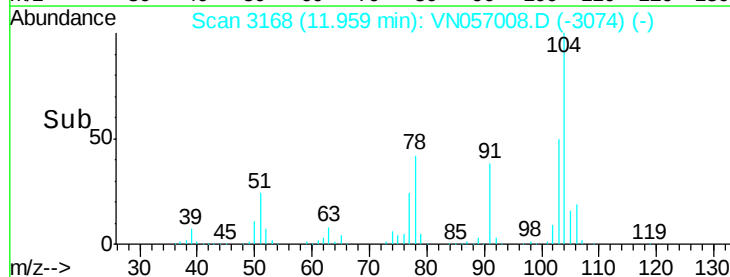
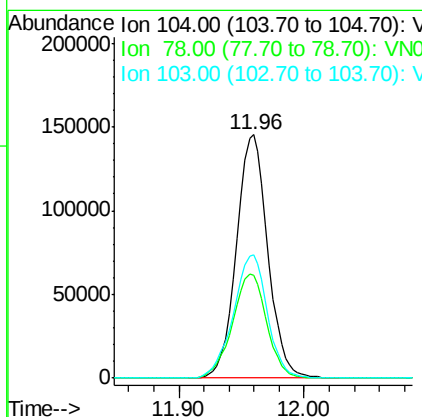
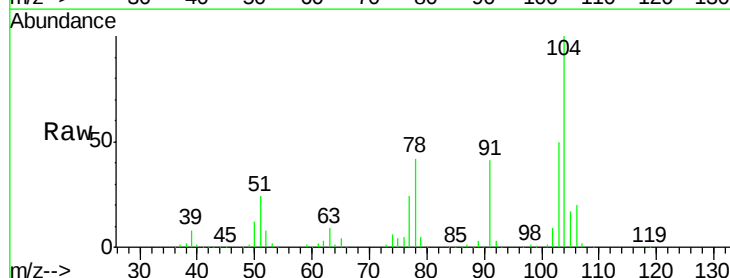
Manual Integrations
APPROVED

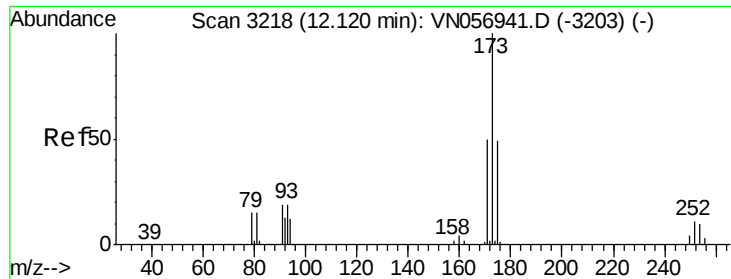
MMdadoda
8/2/2019 10:54:22 PM



#70
Styrene
Concen: 19.321 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Tgt Ion:104 Resp: 252339
Ion Ratio Lower Upper
104 100
78 47.0 38.1 57.1
103 55.0 44.3 66.5





#71

Bromoform

Concen: 19.875 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Instrument :

MSVOA_N

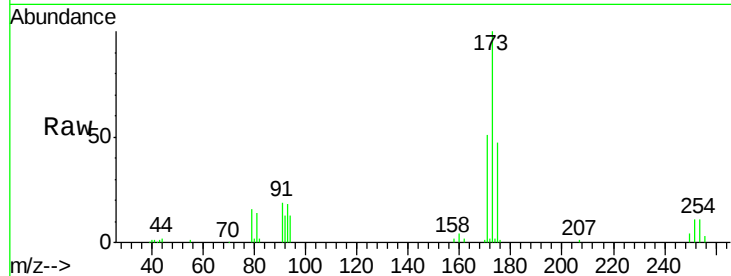
ClientSampleId :

VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.1	72.4
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMdadoda
8/2/2019 10:54:22 PM

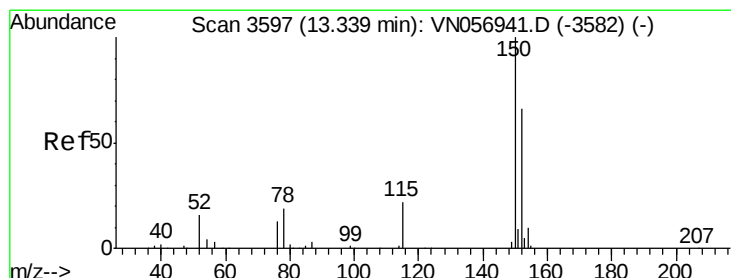
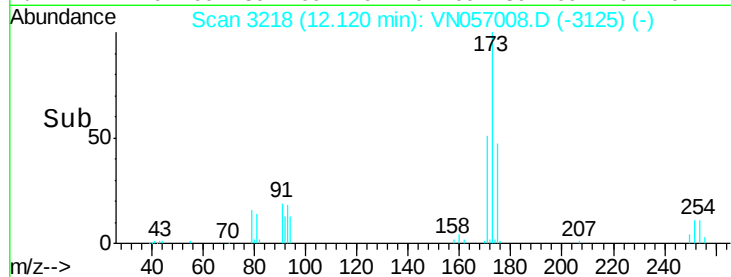
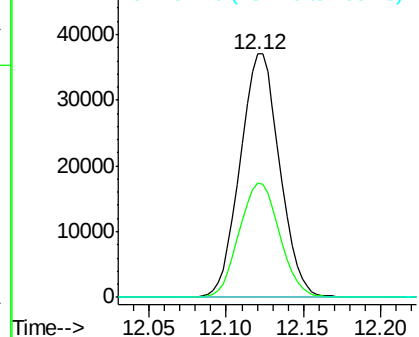


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

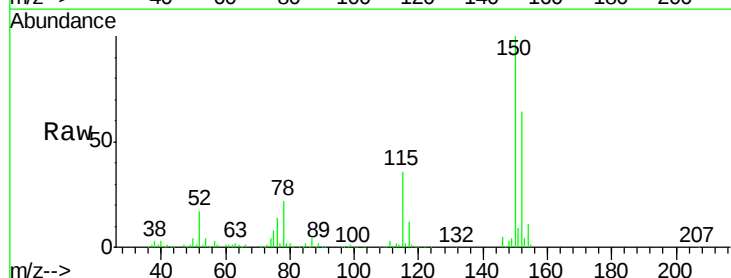
RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	28.2	84.6
150	161.6	0.0	349.4

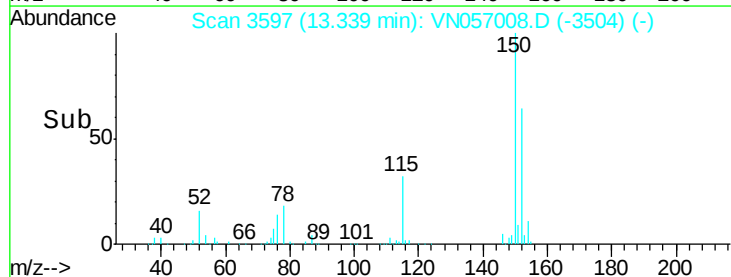
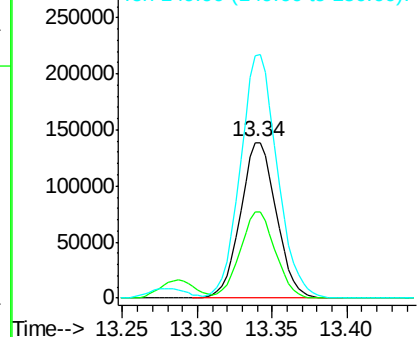


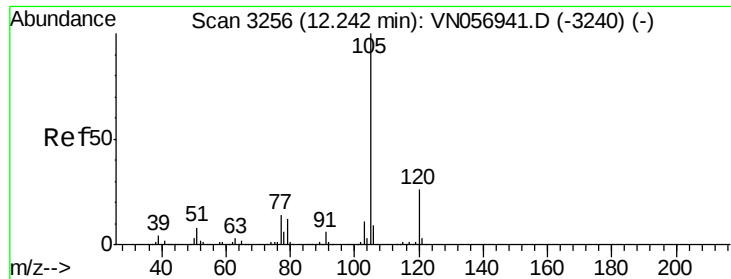
Abundance

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: 21.208 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

Tot Ion: 105 Resp: 423222

Ion Ratio Lower Upper

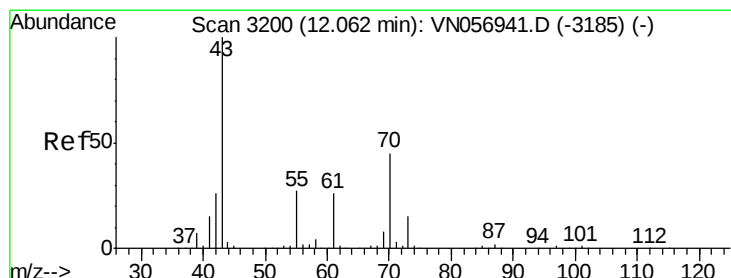
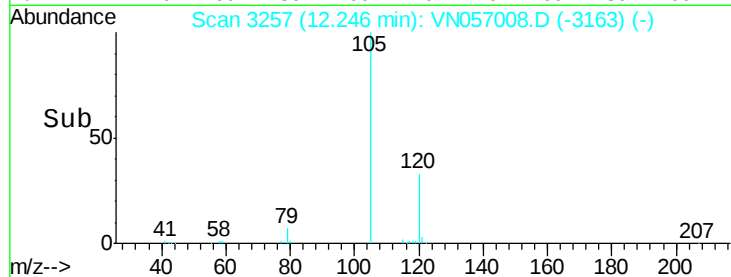
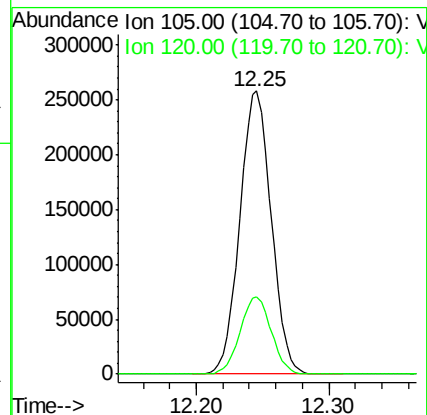
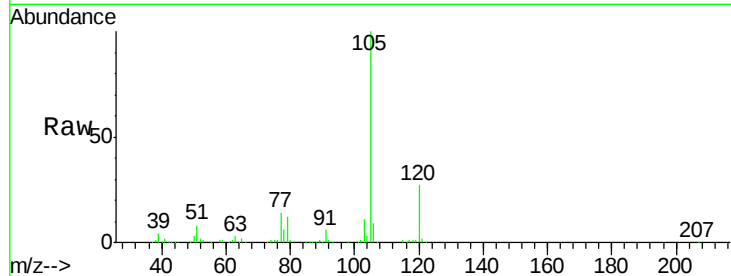
105 100

120 27.2 13.5 40.5

Manual Integrations
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MMdadoda

8/2/2019 10:54:22 PM



#74

N-ethyl acetate

Concen: 20.233 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Tgt Ion: 43 Resp: 117233

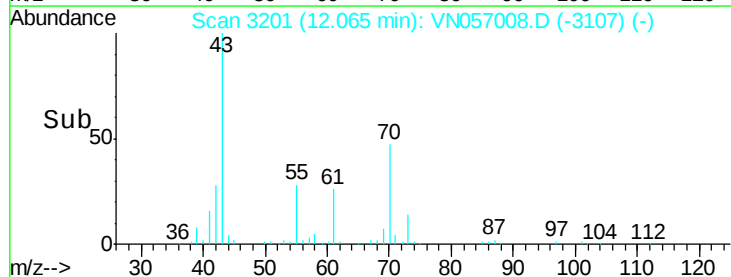
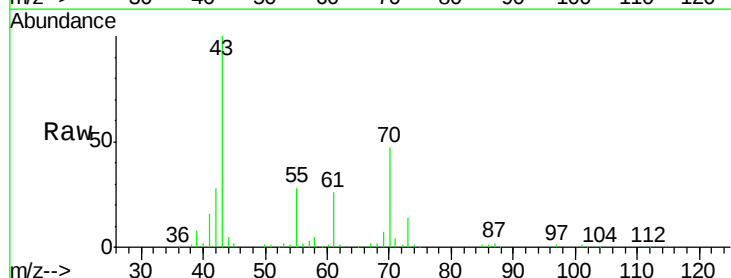
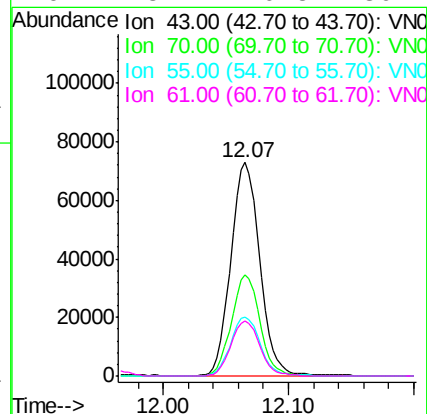
Ion Ratio Lower Upper

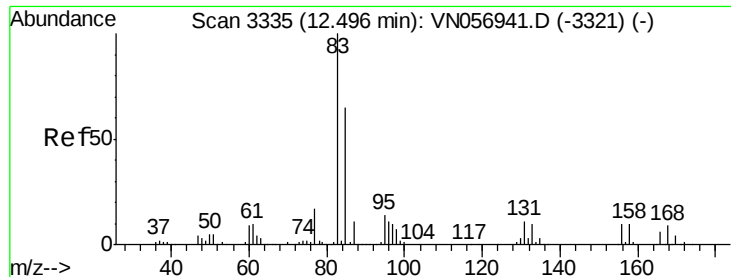
43 100

70 46.3 36.5 54.7

55 28.3 21.4 32.0

61 25.7 20.5 30.7





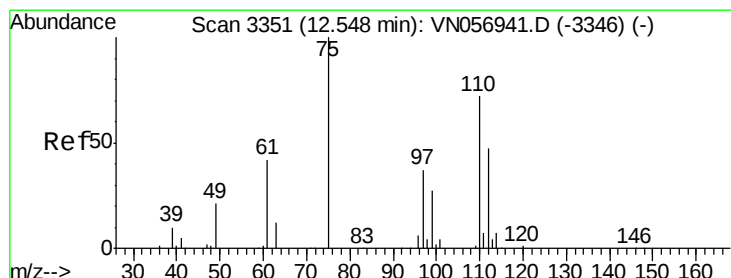
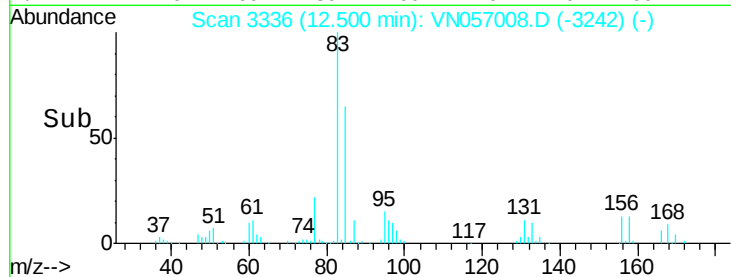
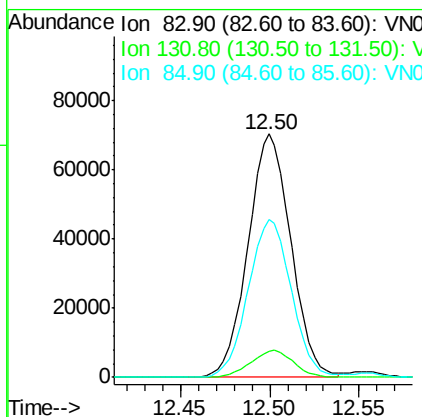
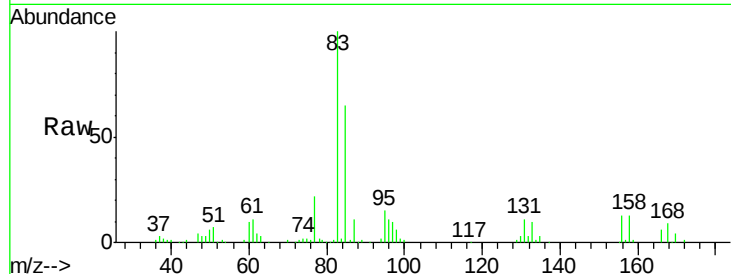
#75
 1,1,2,2-Tetrachloroethane
 Concen: 22.081 ug/l
 RT: 12.50 min Scan# 3336
 Delta R.T. 0.00 min
 Lab File: VN057008.D
 Acq: 31 Jul 2019 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Tot Ion	83	Resp	118567
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.3	16.1
85	65.1	32.5	97.4

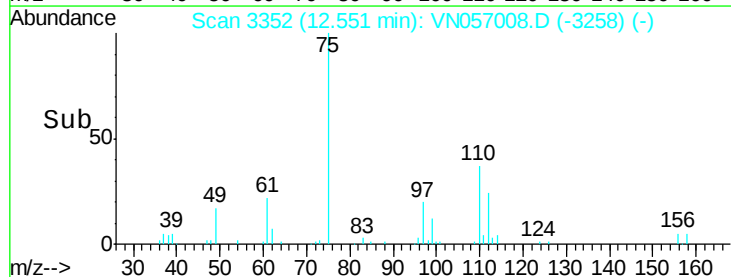
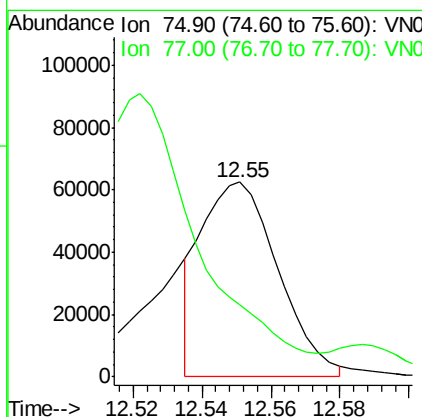
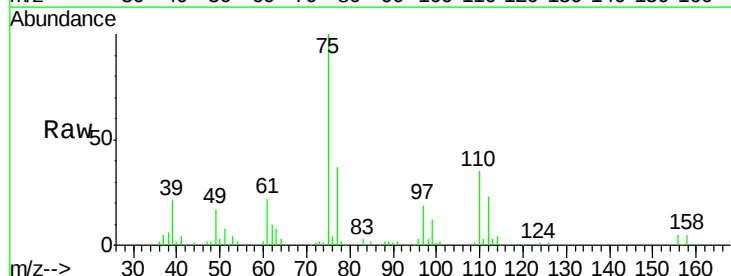
Manual Integrations
 APPROVED

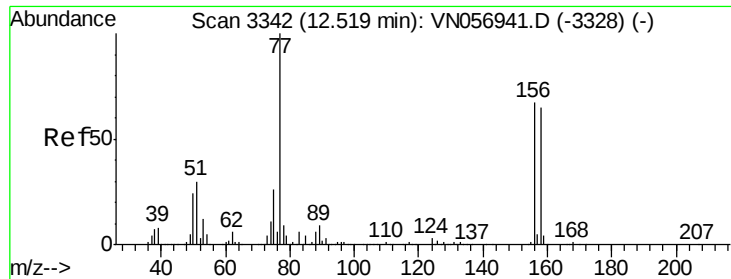
MMdadoda
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#76
 1,2,3-Trichloropropane
 Concen: 20.588 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. 0.00 min
 Lab File: VN057008.D
 Acq: 31 Jul 2019 12:44

Tgt Ion	75	Resp	96540
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





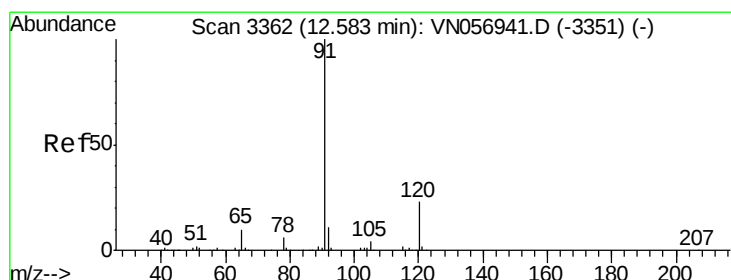
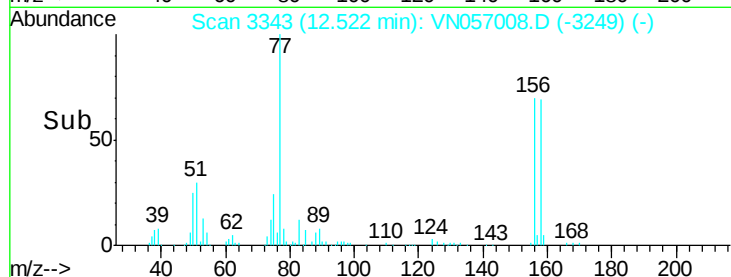
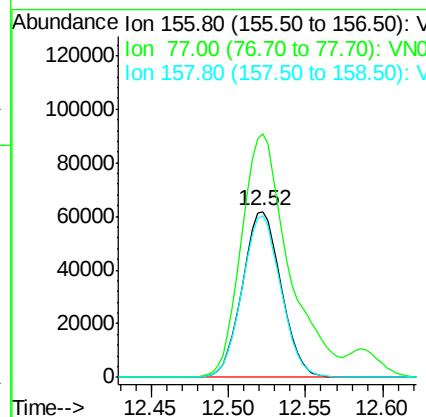
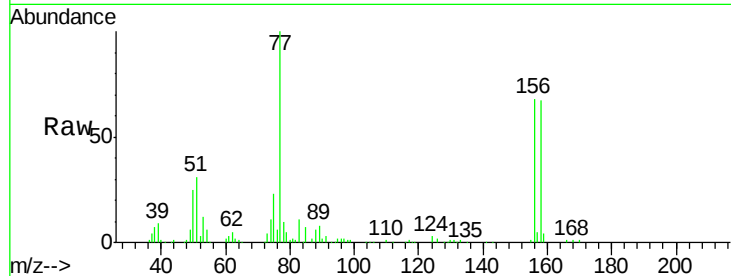
#77
Bromobenzene
Concen: 20.760 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	179.9	89.5	268.5		
158	97.2	48.4	145.3		

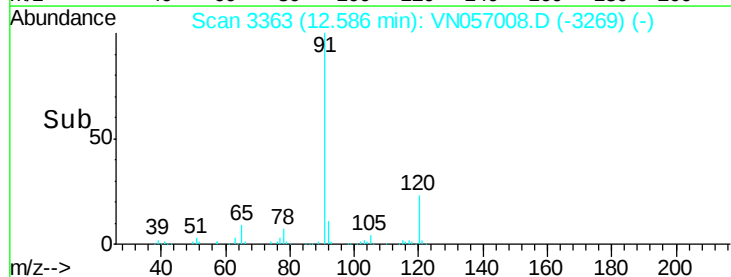
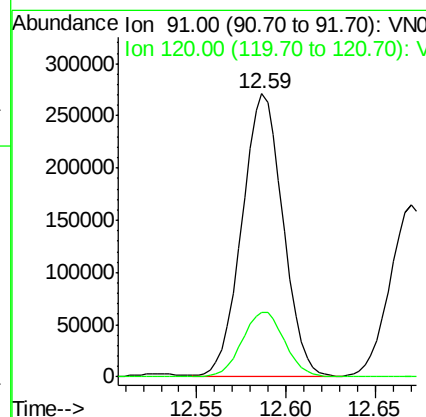
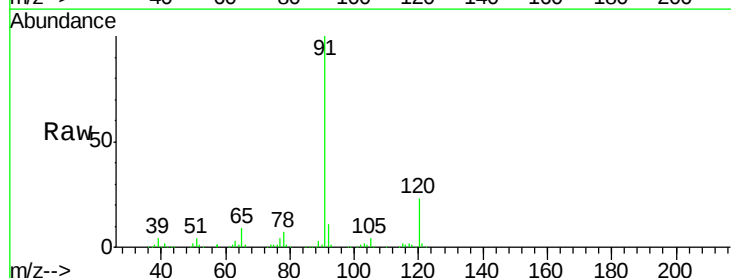
Manual Integrations
APPROVED

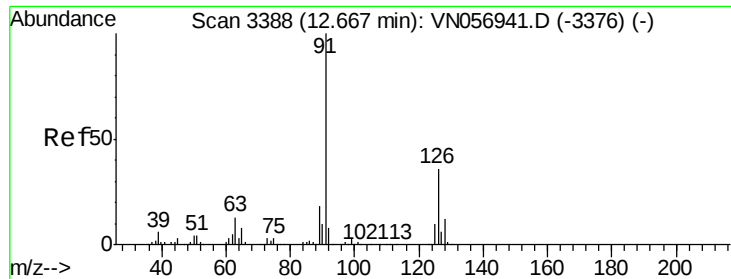
MMdadoda
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#78
n-propylbenzene
Concen: 20.327 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	23.9	11.8	35.4		





#79

2-Chlorotoluene

Concen: 20.802 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Instrument :

MSVOA_N

ClientSampled :

VN0731WBSD01

Tot Ion: 91 Resp: 272919

Ion Ratio Lower Upper

91 100

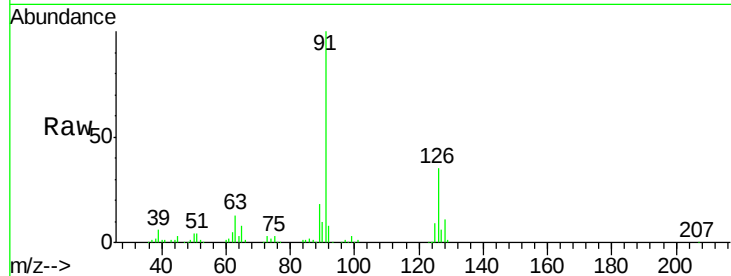
126 35.9 17.9 53.7

Manual Integrations

APPROVED

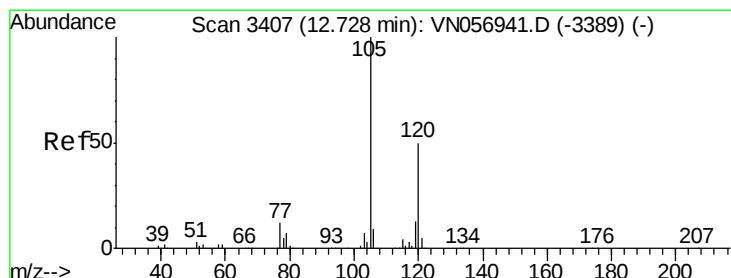
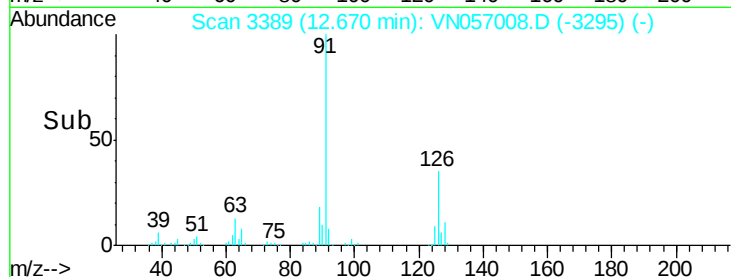
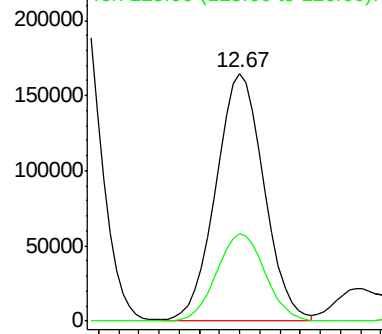
MMdadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.546 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN057008.D

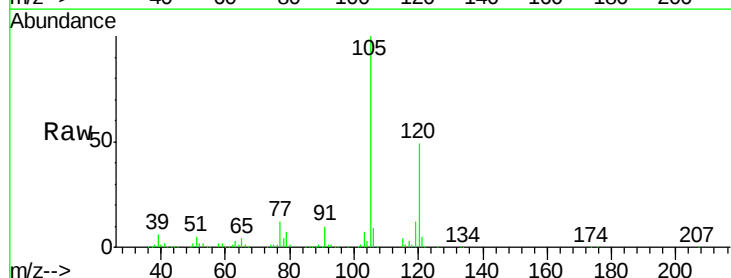
Acq: 31 Jul 2019 12:44

Tgt Ion: 105 Resp: 352880

Ion Ratio Lower Upper

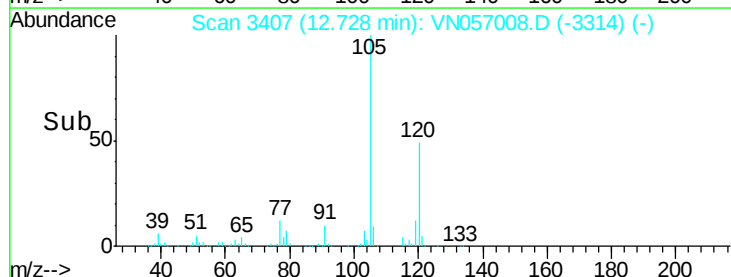
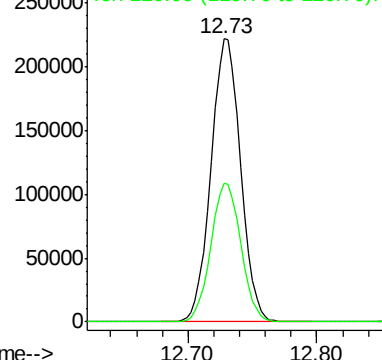
105 100

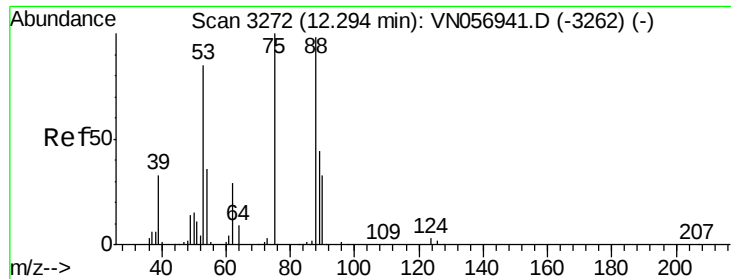
120 49.6 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.634 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Instrument :

MSVOA_N

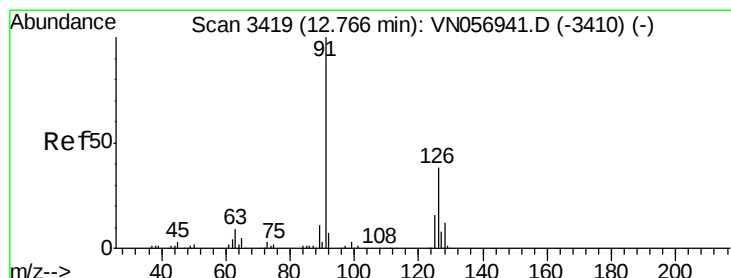
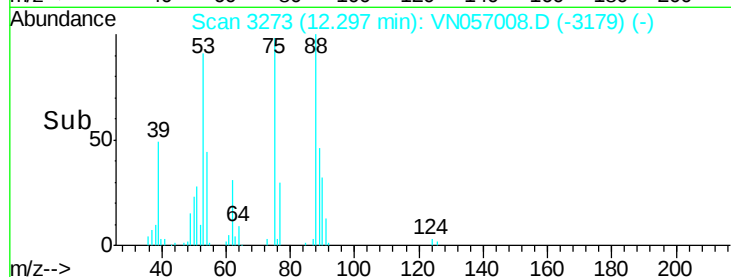
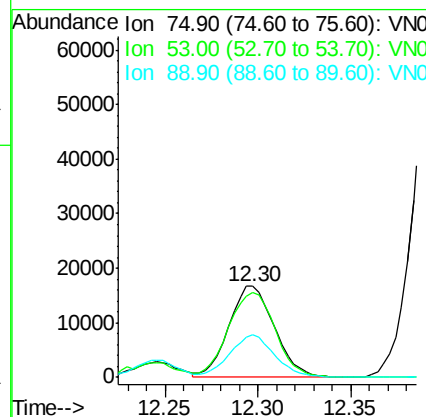
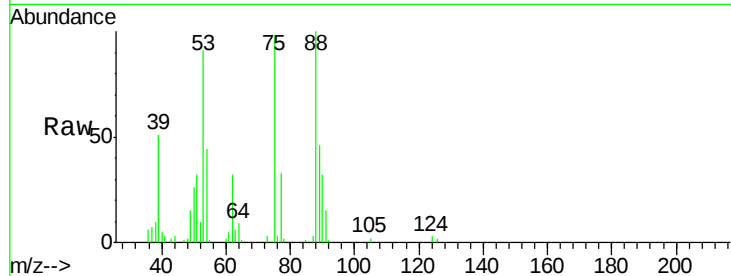
ClientSampleId :

VN0731WBSD01

Tot Ion:	75	Resp:	28655
Ion Ratio	Lower	Upper	
75	100		
53	95.9	69.3	103.9
89	45.7	35.8	53.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.906 ug/l

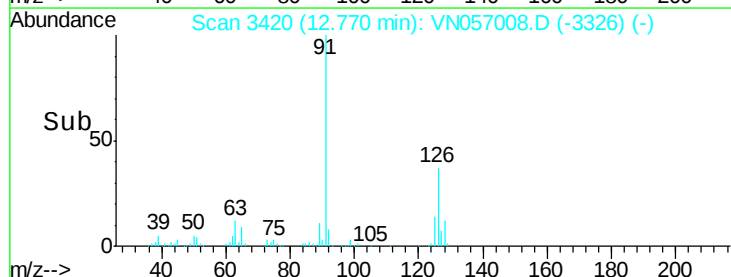
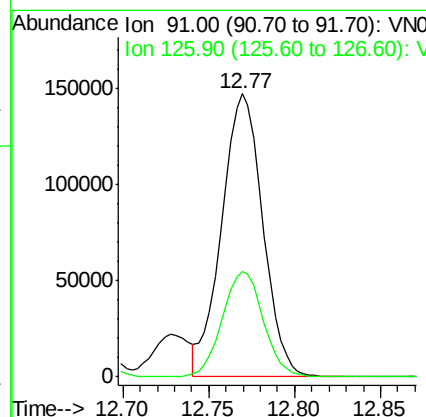
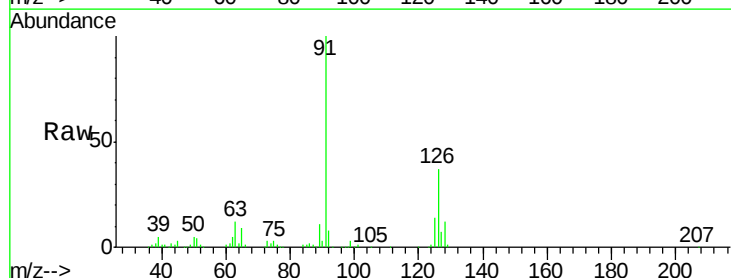
RT: 12.77 min Scan# 3420

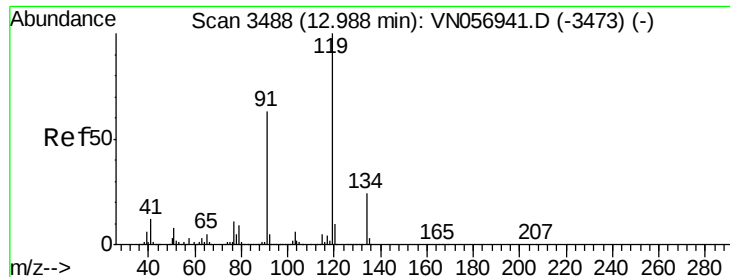
Delta R.T. 0.00 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Tgt Ion:	91	Resp:	244408
Ion Ratio	Lower	Upper	
91	100		
126	37.1	17.5	52.5





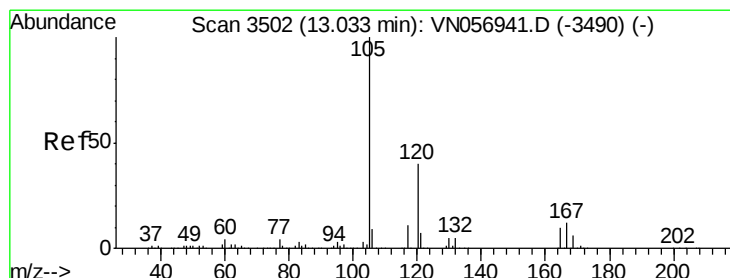
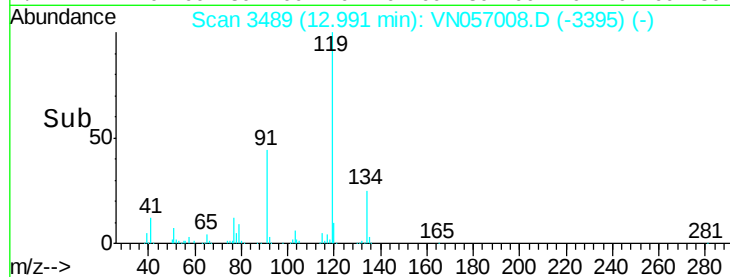
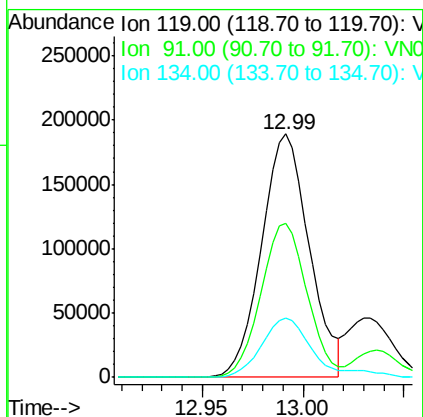
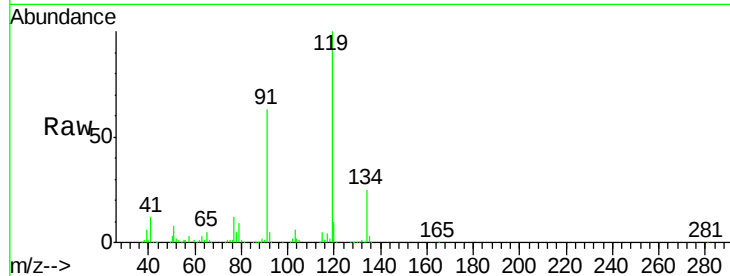
#83
tert-Butylbenzene
Concen: 21.493 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.0	31.3	93.8
134	26.5	13.3	39.8

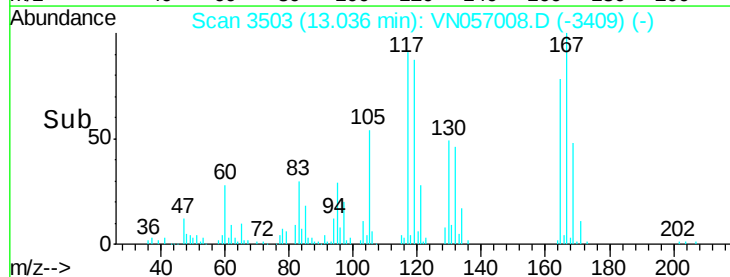
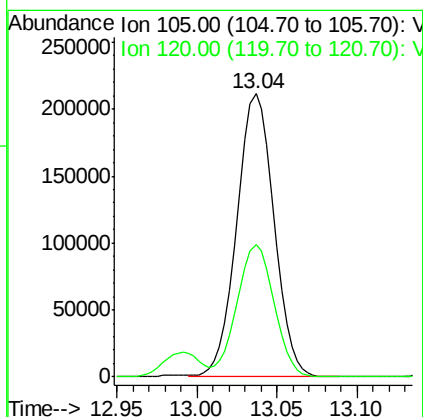
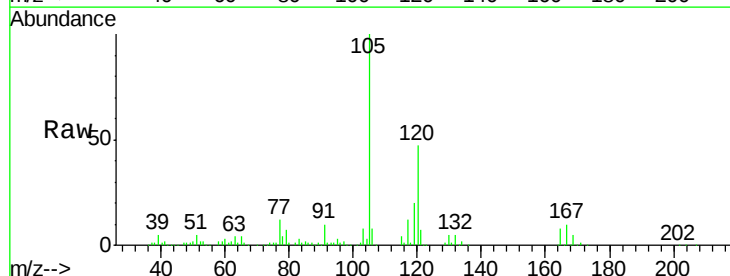
Manual Integrations
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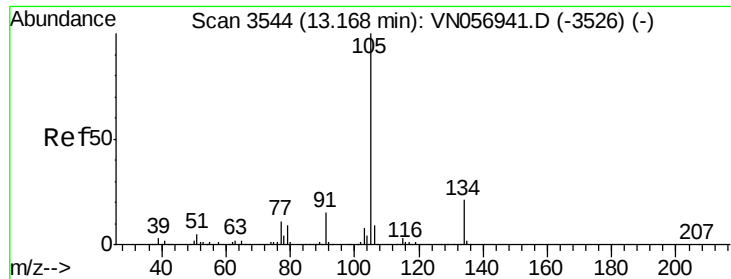
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.180 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.2	69.6





#85

sec-Butylbenzene

Concen: 20.807 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

Tot Ion:105 Resp: 389115

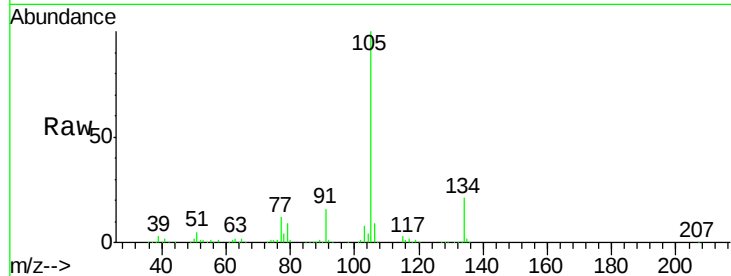
Ion Ratio Lower Upper

105 100

134 20.8 10.3 30.8

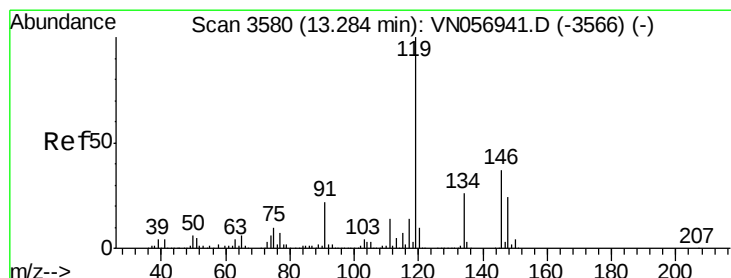
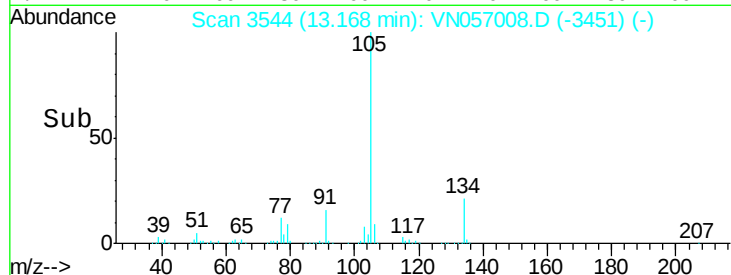
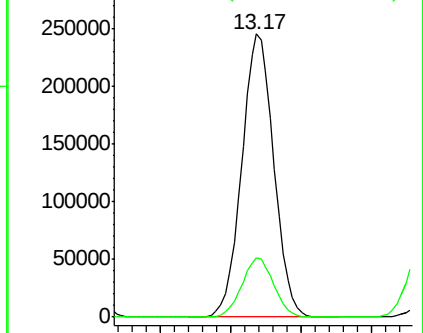
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.404 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

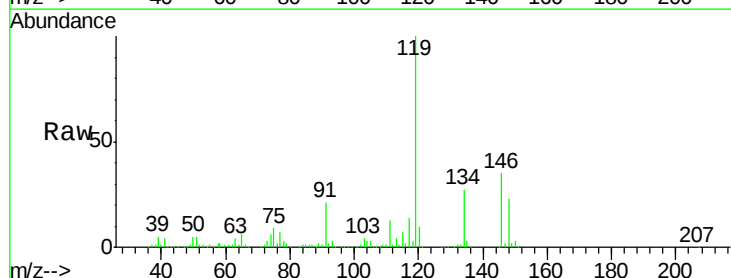
Tgt Ion:119 Resp: 338780

Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.1

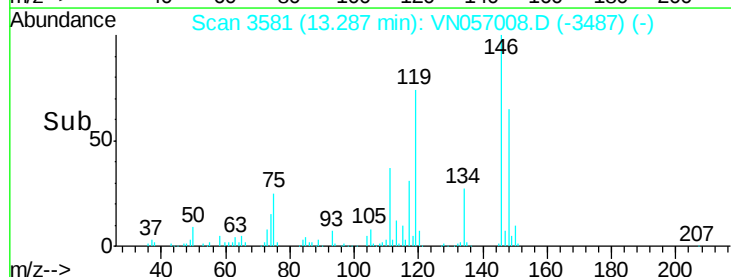
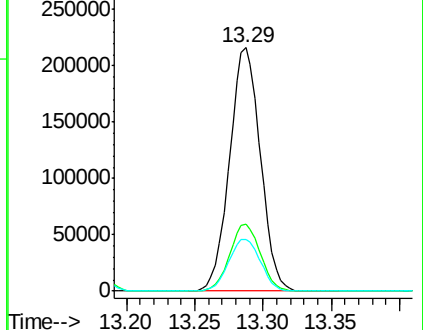
91 22.1 11.0 33.0

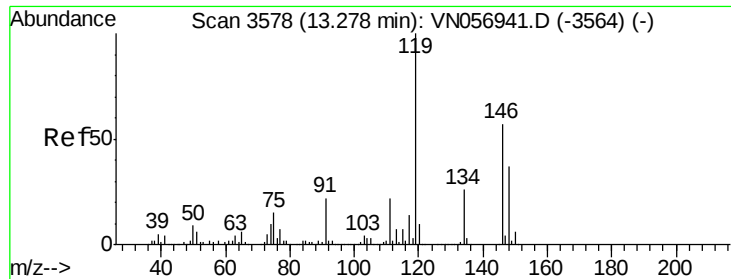


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





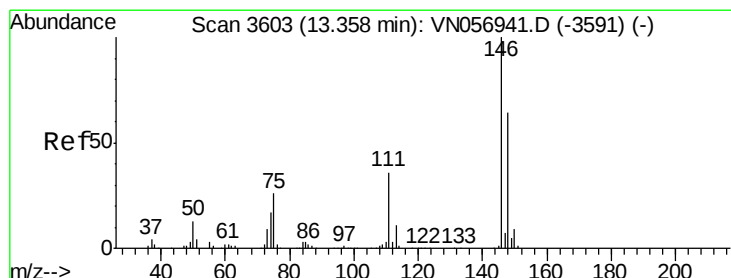
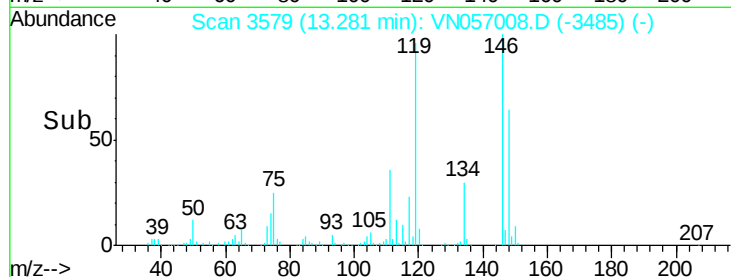
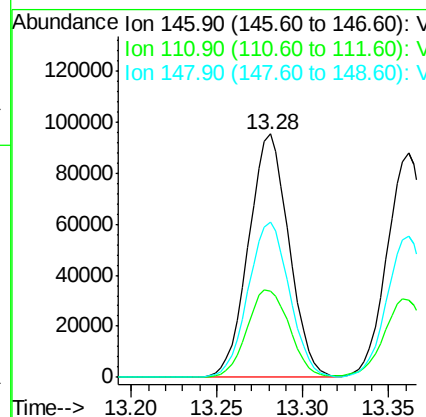
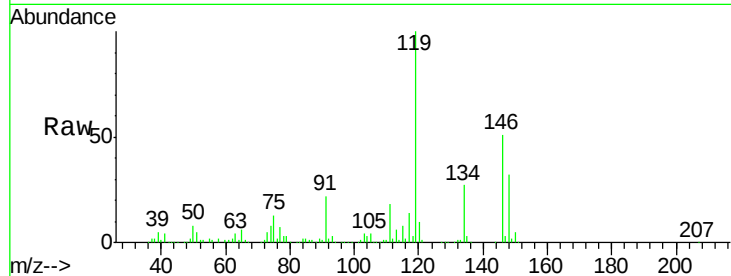
#87
 1,3-Dichlorobenzene
 Concen: 19.622 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057008.D
 Acq: 31 Jul 2019 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	55.8
148	65.1	32.2	96.6

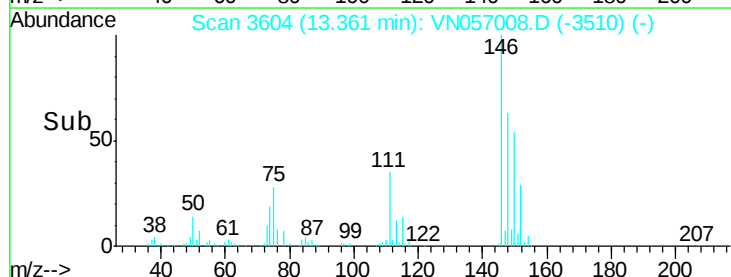
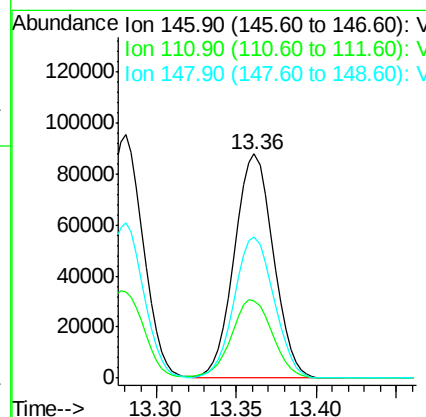
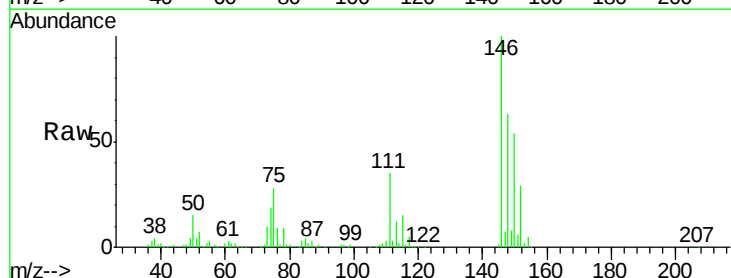
Manual Integrations
 APPROVED

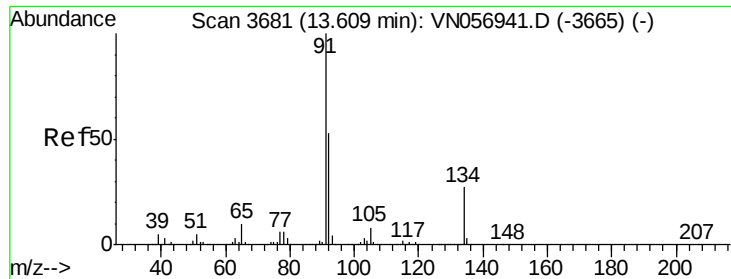
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#88
 1,4-Dichlorobenzene
 Concen: 19.203 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057008.D
 Acq: 31 Jul 2019 12:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.2
148	64.0	32.3	96.9





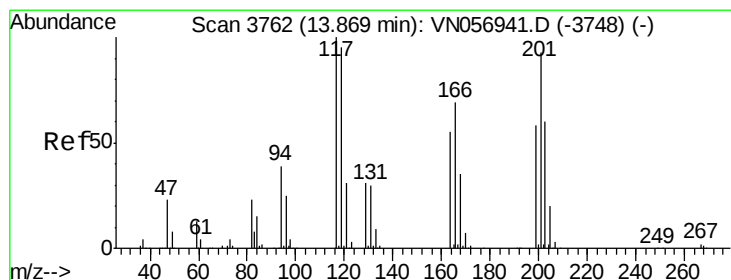
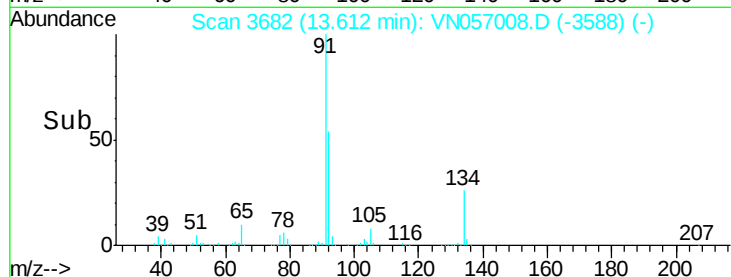
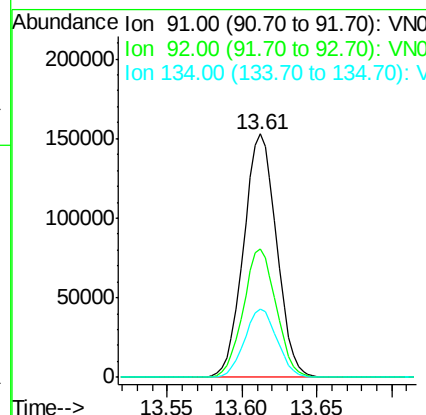
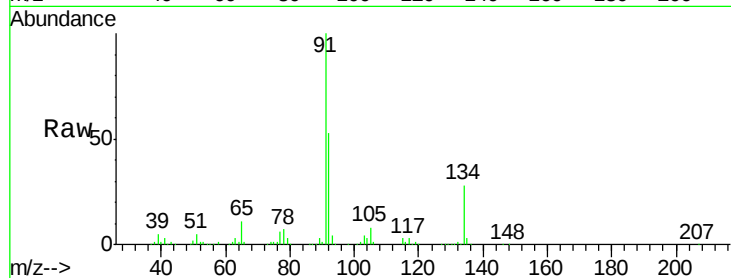
#89
n-Butylbenzene
Concen: 18.324 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Instrument :
MSVOA_N
ClientSampled :
VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	27.7	13.5	40.4

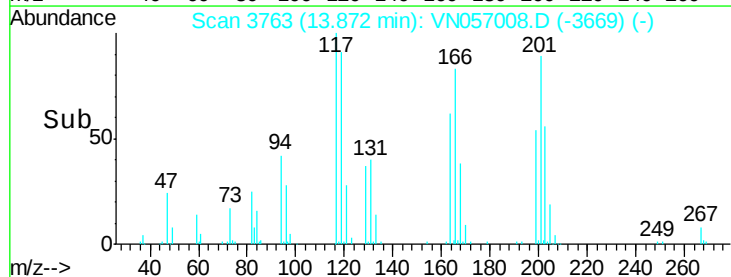
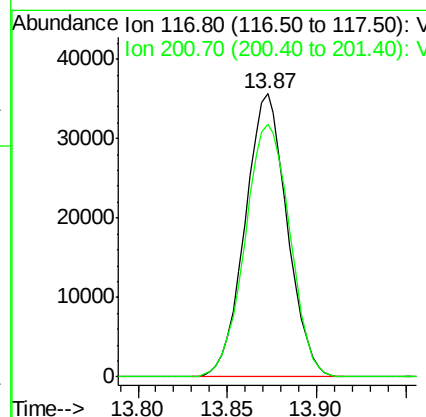
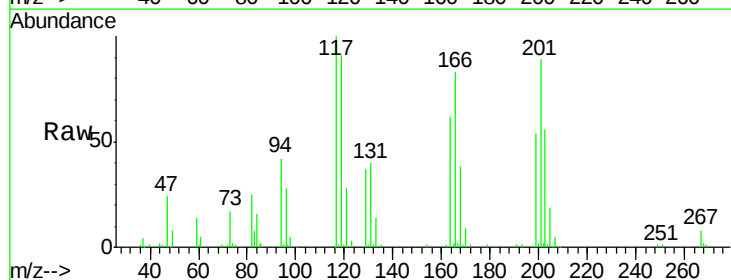
Manual Integrations
APPROVED

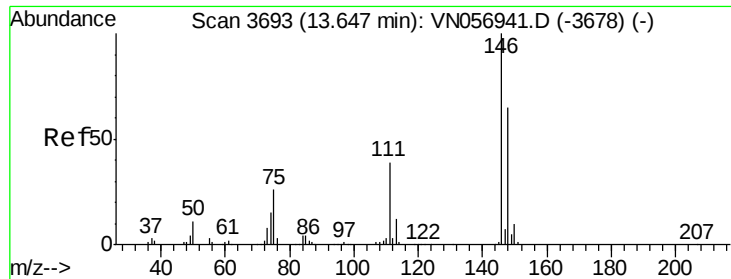
MMDadoda
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#90
Hexachloroethane
Concen: 20.564 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN057008.D
Acq: 31 Jul 2019 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.0	47.0	141.2





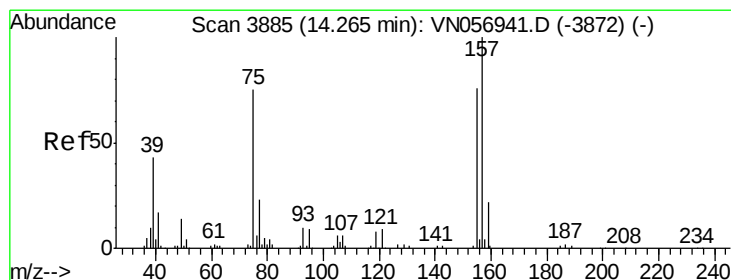
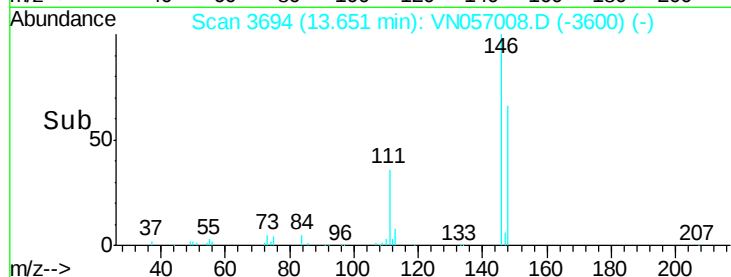
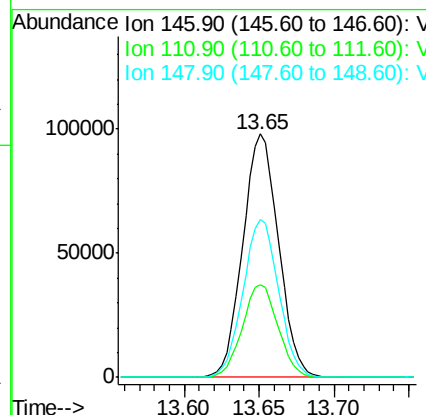
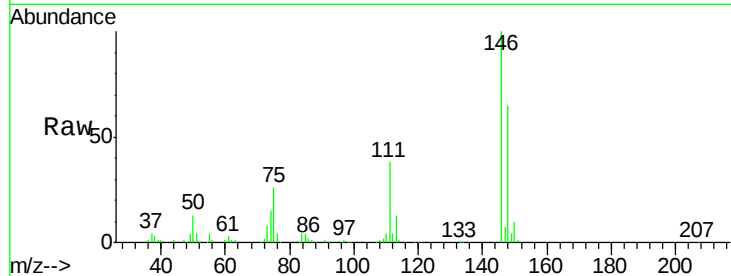
#91
 1,2-Dichlorobenzene
 Concen: 20.913 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN057008.D
 Acq: 31 Jul 2019 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.4	58.4
148	64.7	32.2	96.6

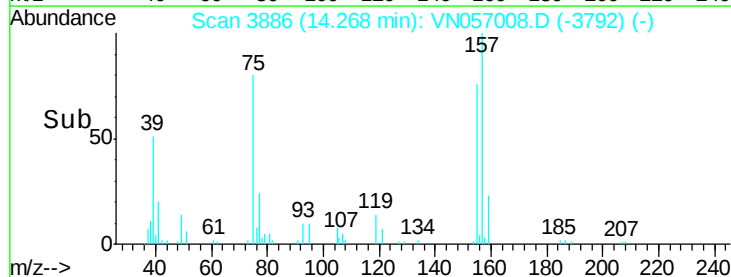
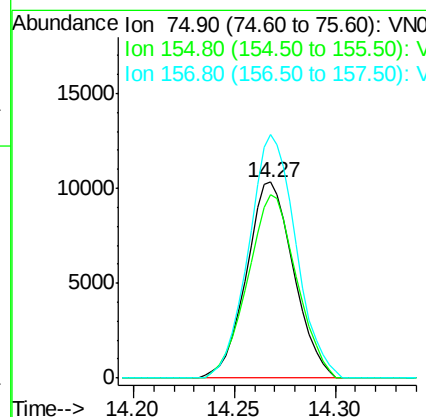
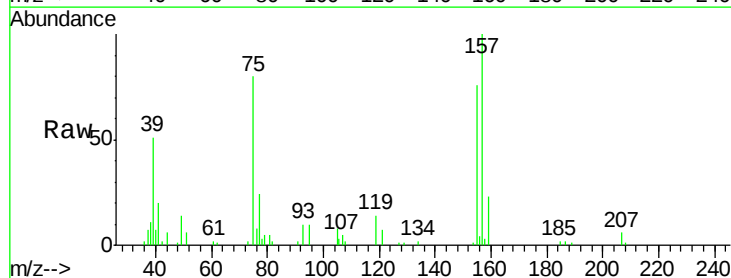
Manual Integrations
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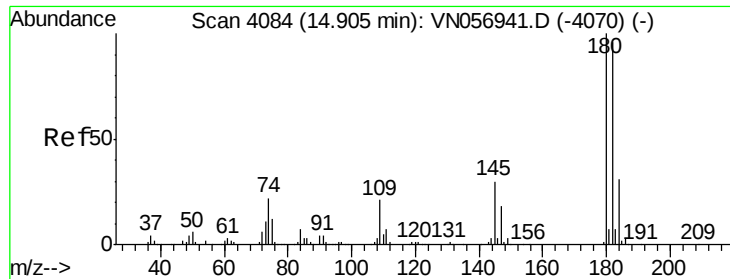
MMdadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.333 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057008.D
 Acq: 31 Jul 2019 12:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	50.2	150.6
157	124.2	65.1	195.4





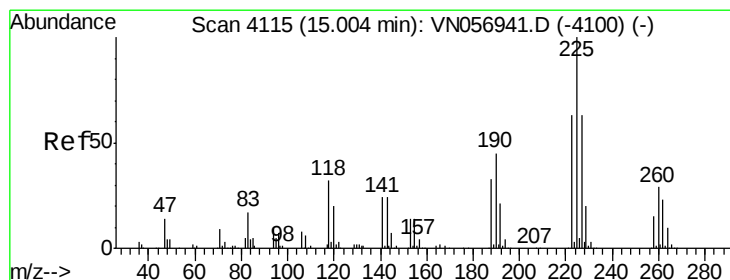
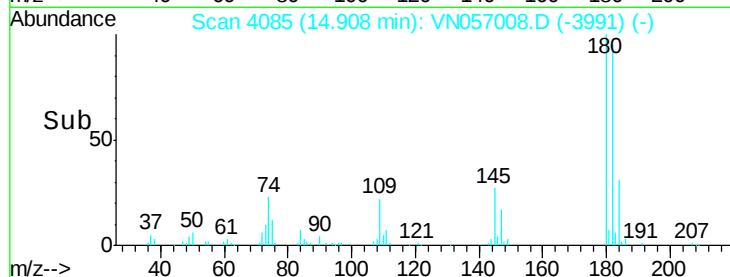
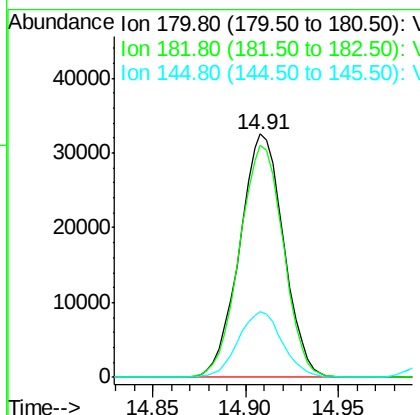
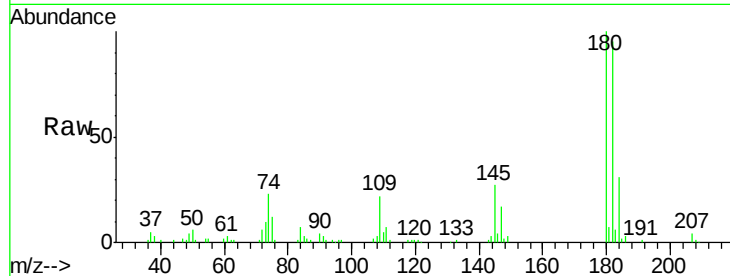
#93
 1,2,4-Trichlorobenzene
 Concen: 15.365 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057008.D
 Acq: 31 Jul 2019 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.6	142.8
145	27.0	14.2	42.8

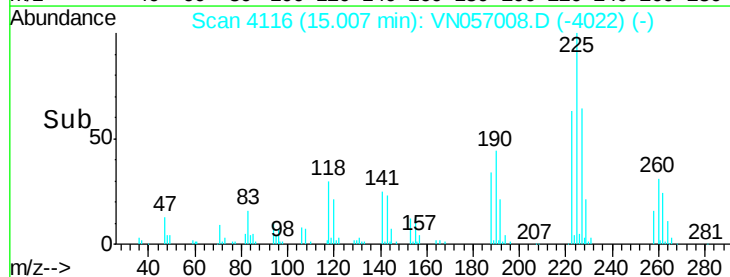
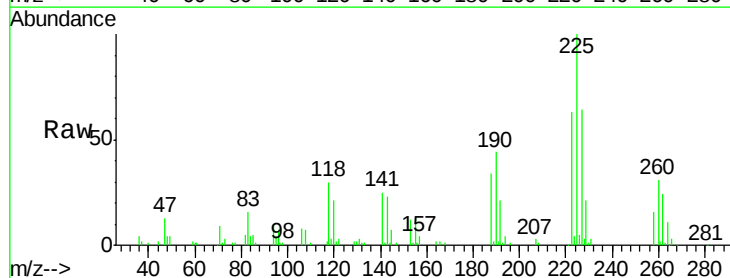
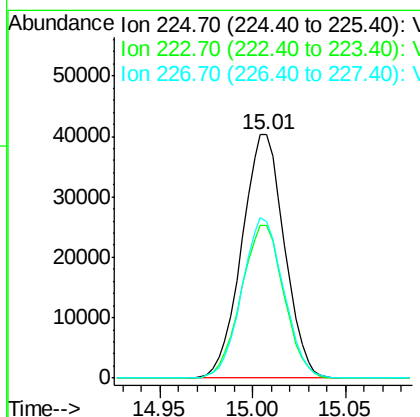
Manual Integrations
 APPROVED

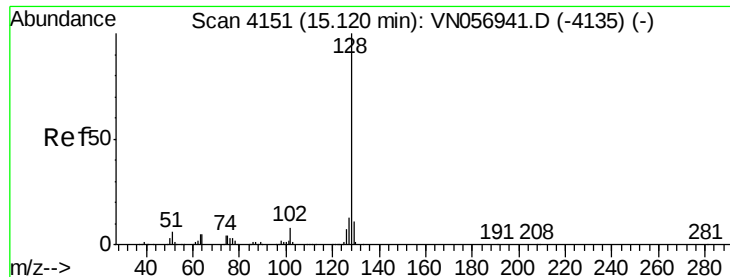
MMdadoda
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#94
 Hexachlorobutadiene
 Concen: 21.642 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN057008.D
 Acq: 31 Jul 2019 12:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	30.8	92.4
227	64.5	31.1	93.5





#95

Naphthalene

Concen: 16.040 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Instrument :

MSVOA_N

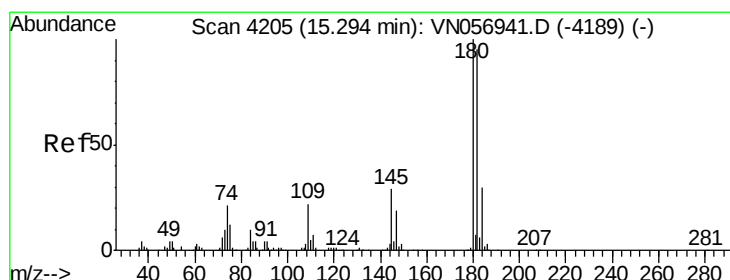
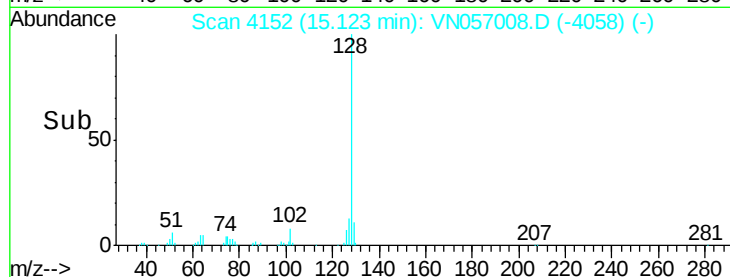
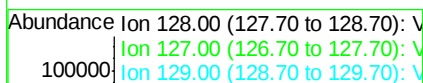
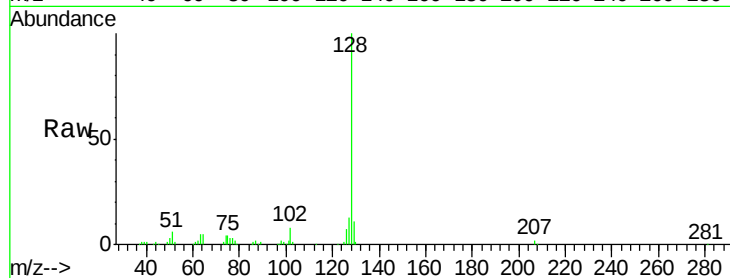
ClientSampleId :

VN0731WBSD01

Tot Ion:	128	Resp:	131606
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.0	15.0
129	10.9	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 17.025 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN057008.D

Acq: 31 Jul 2019 12:44

Tgt Ion:	180	Resp:	63471
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.0	144.2
145	29.3	15.0	45.0

