

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101321\
 Data File : VN068889.D
 Acq On : 13 Oct 2021 11:19
 Operator : JC/MD
 Sample : VN1013MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013MBL01

Quant Time: Oct 14 06:40:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

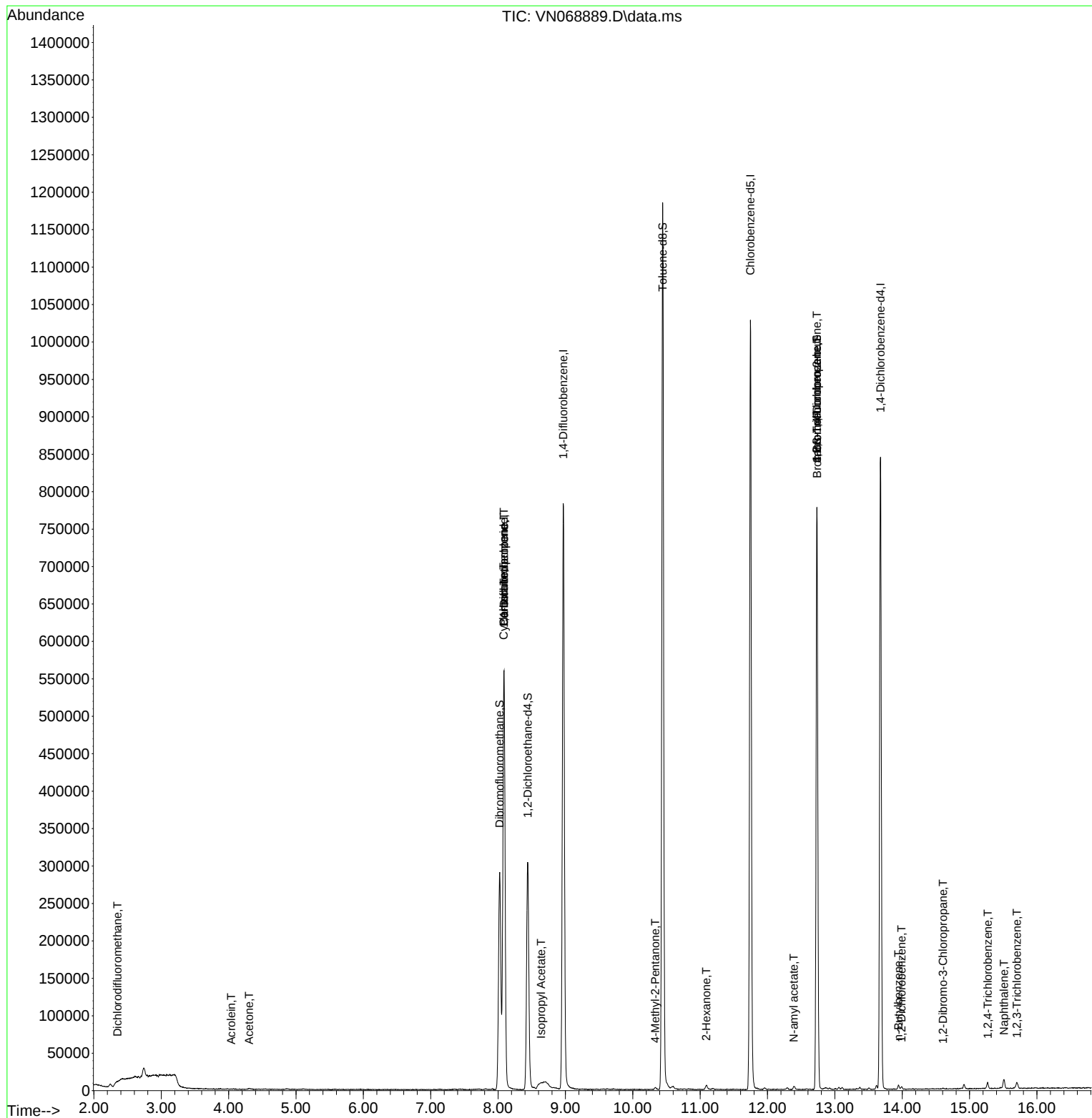
Internal Standards						
1) Pentafluorobenzene	8.088	168	440054	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	715963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	625533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	235939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	258261	44.513	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.020%		
35) Dibromofluoromethane	8.024	113	214682	51.538	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	103.080%		
50) Toluene-d8	10.443	98	857230	51.433	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.860%		
62) 4-Bromofluorobenzene	12.734	95	282698	44.956	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.920%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.352	85	24	1.248	ug/l #	42
13) Acrolein	4.039	56	125	0.267	ug/l	87
16) Acetone	4.304	43	1167	0.539	ug/l	100
31) Cyclohexane	8.083	56	9876	1.095	ug/l #	21
36) 1,1-Dichloropropene	8.086	75	34088	5.574	ug/l #	49
38) Carbon Tetrachloride	8.088	117	43577	6.488	ug/l #	15
43) Isopropyl Acetate	8.641	43	8774	0.787	ug/l #	55
51) 4-Methyl-2-Pentanone	10.333	43	2022	0.313	ug/l	93
59) 2-Hexanone	11.092	43	4261	0.920	ug/l	99
71) Bromoform	12.736	173	2341	0.631	ug/l #	1
74) N-amyl acetate	12.390	43	2911	0.391	ug/l #	80
76) 1,2,3-Trichloropropane	12.734	75	143707	28.626	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	143707	68.487	ug/l #	12
89) n-Butylbenzene	13.943	91	3714	0.282	ug/l	92
91) 1,2-Dichlorobenzene	13.991	146	1655	0.227	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.606	75	224	0.205	ug/l	79
93) 1,2,4-Trichlorobenzene	15.271	180	3201	3.367	ug/l	91
95) Naphthalene	15.509	128	12750	4.887	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.703	180	3964	3.512	ug/l	97

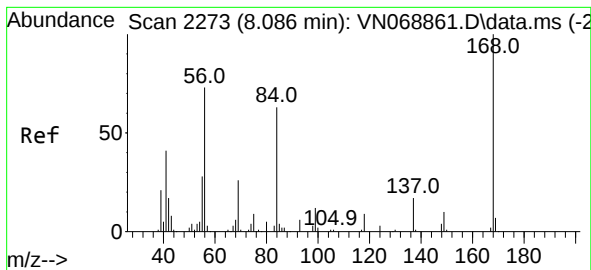
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 13 05:44:40 2021
Response via : Initial Calibration

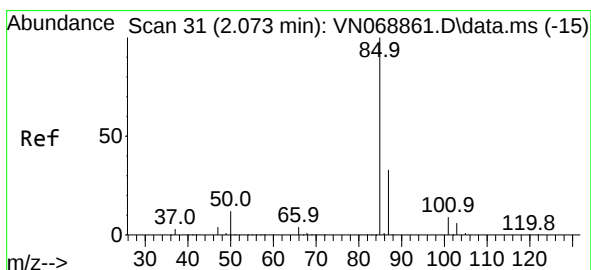
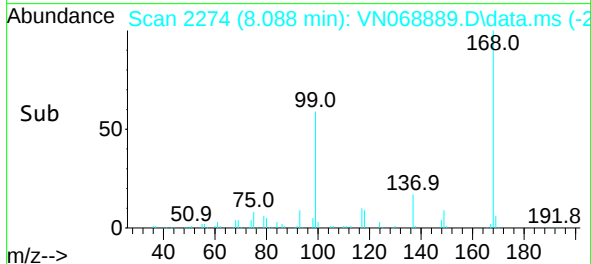
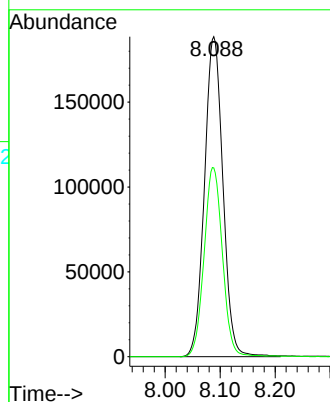
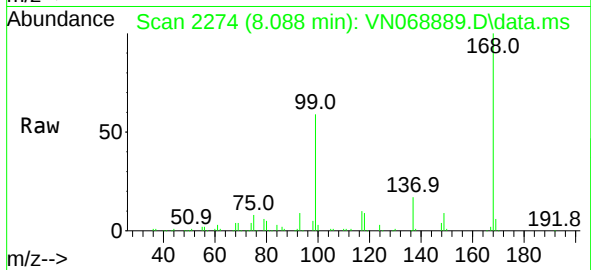




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

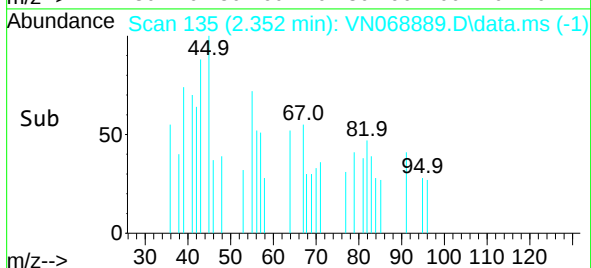
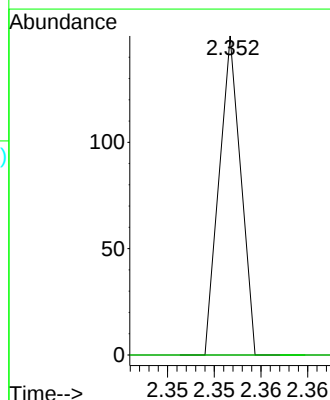
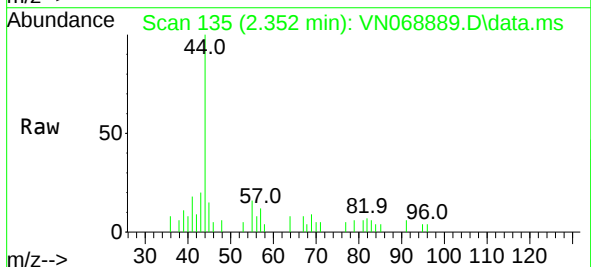
Instrument :
MSVOA_N
ClientSampleId :
VN1013MBL01

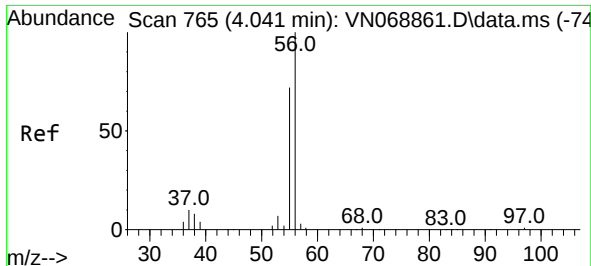
Tgt Ion:168 Resp: 440054
Ion Ratio Lower Upper
168 100
99 59.0 48.9 73.3



#2
Dichlorodifluoromethane
Concen: 1.248 ug/l
RT: 2.352 min Scan# 135
Delta R.T. 0.279 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

Tgt Ion: 85 Resp: 24
Ion Ratio Lower Upper
85 100
87 0.0 16.3 48.8#

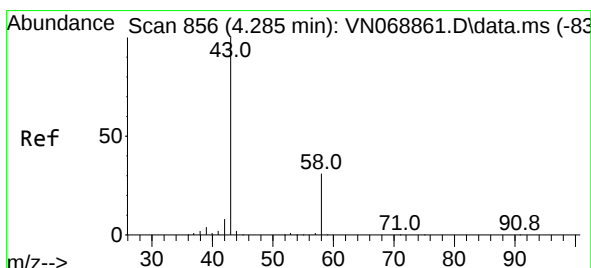
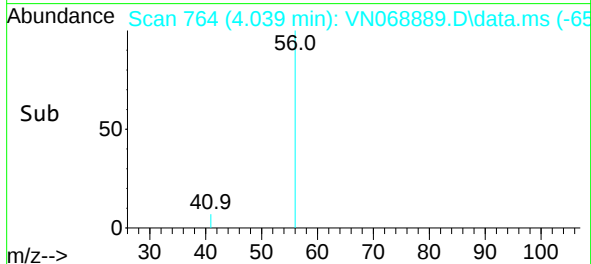
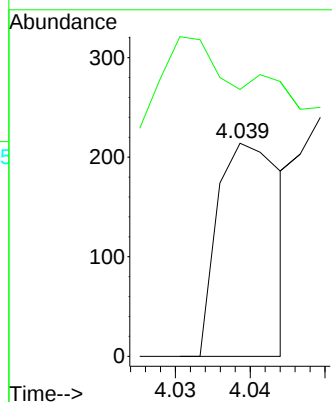
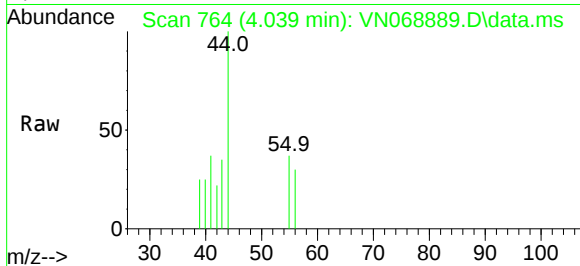




#13
Acrolein
Concen: 0.267 ug/l
RT: 4.039 min Scan# 764
Delta R.T. -0.003 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

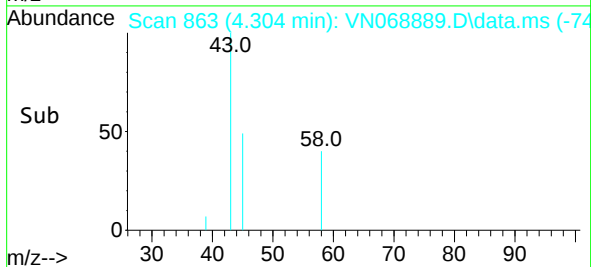
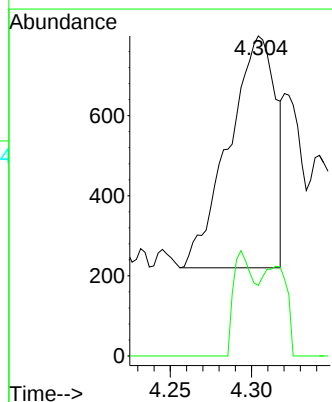
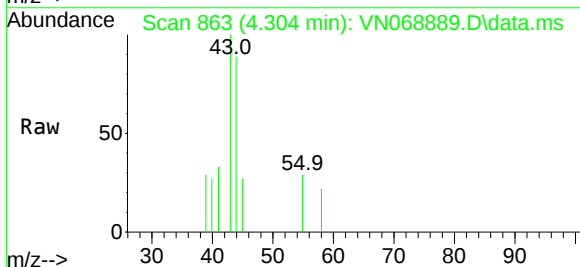
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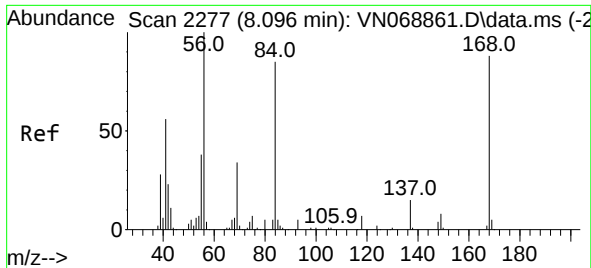
Tgt Ion: 56 Resp: 125
Ion Ratio Lower Upper
56 100
55 83.2 58.1 87.1



#16
Acetone
Concen: 0.539 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.019 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

Tgt Ion: 43 Resp: 1167
Ion Ratio Lower Upper
43 100
58 30.4 24.5 36.7

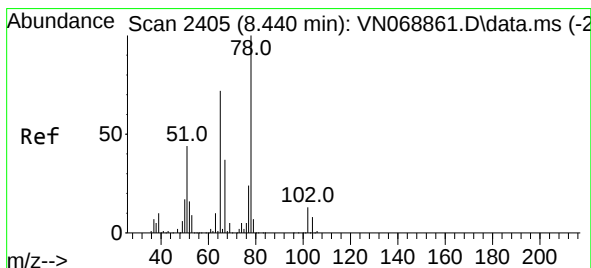
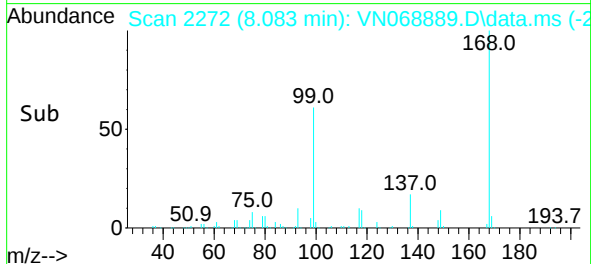
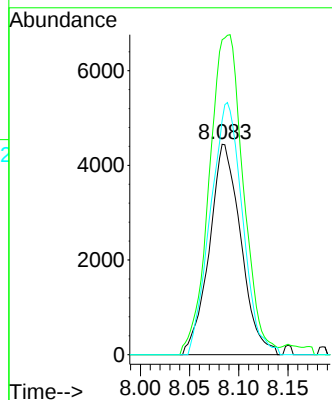
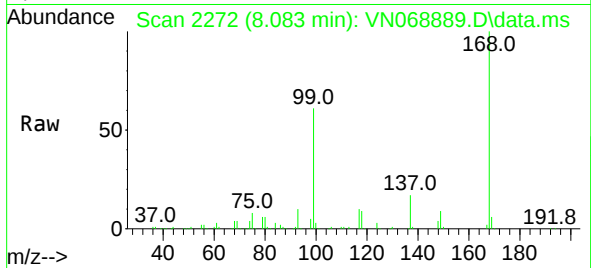




#31
Cyclohexane
Concen: 1.095 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.013 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

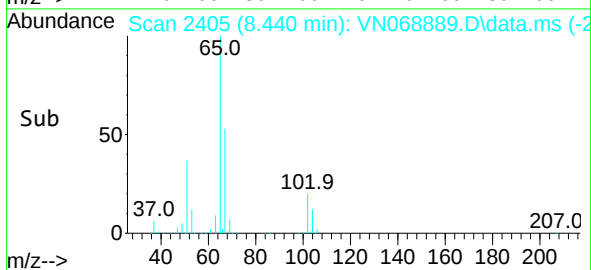
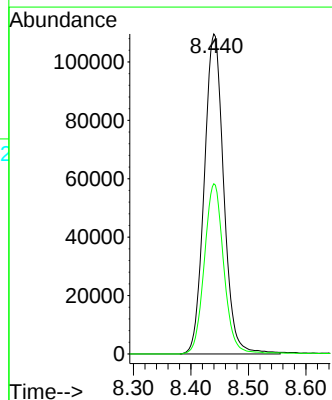
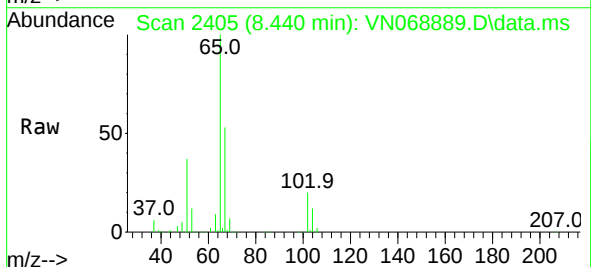
Instrument :
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ClientSampleId :
VN1013MBL01

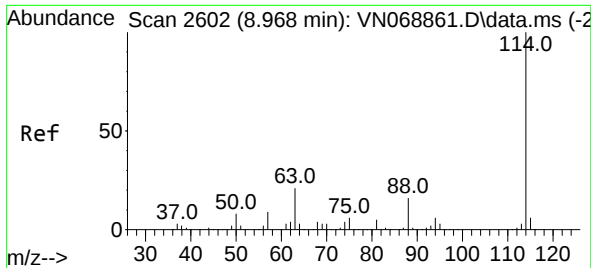
Tgt Ion:	56	Resp:	9876
Ion	Ratio	Lower	Upper
56	100		
69	149.6	26.9	40.3#
84	111.3	67.6	101.4#



#33
1,2-Dichloroethane-d4
Concen: 44.513 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

Tgt Ion:	65	Resp:	258261
Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	103.8

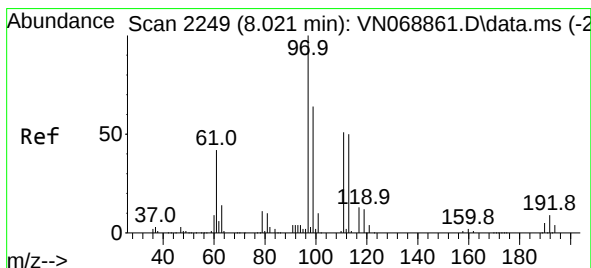
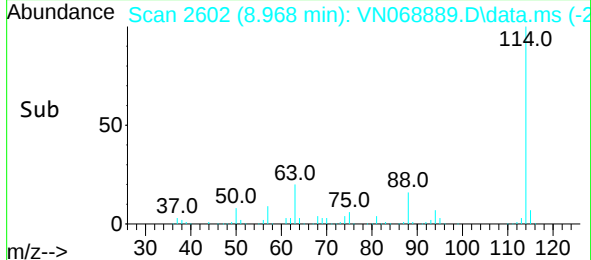
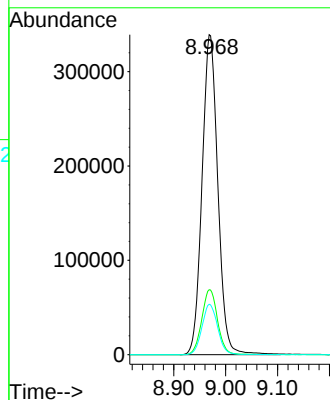
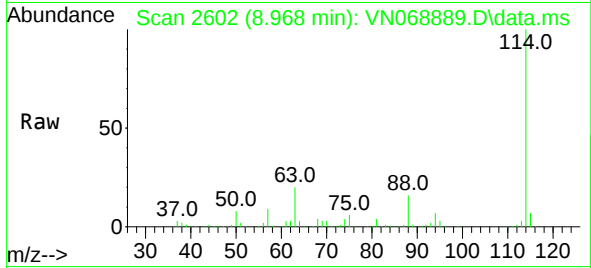




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

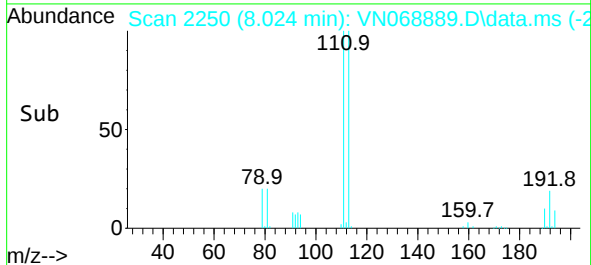
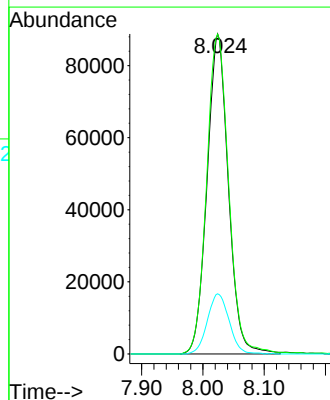
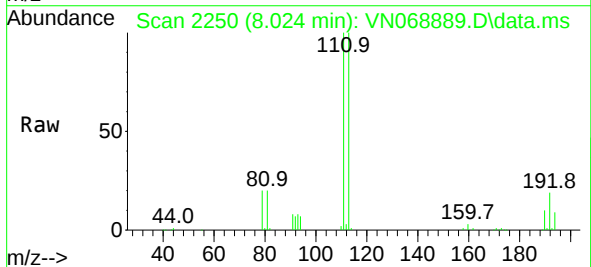
Instrument :
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ClientSampleId :
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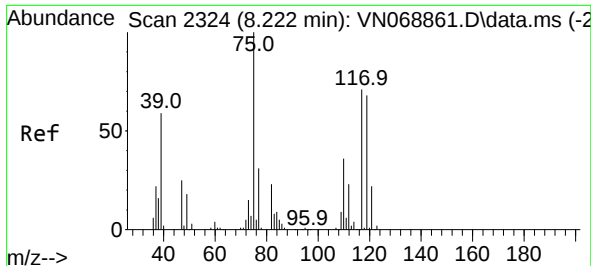
Tgt Ion:	114	Resp:	715963
Ion Ratio	Lower	Upper	
114	100		
63	20.3	0.0	42.6
88	15.8	0.0	32.0



#35
Dibromofluoromethane
Concen: 51.538 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

Tgt Ion:	113	Resp:	214682
Ion Ratio	Lower	Upper	
113	100		
111	103.4	83.2	124.8
192	19.1	15.0	22.4

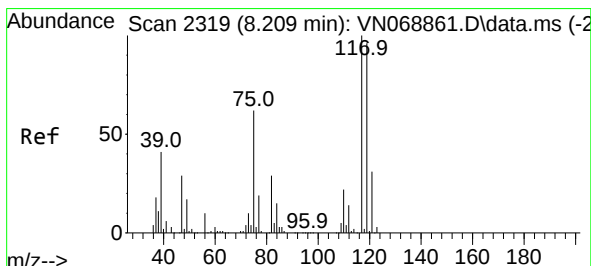
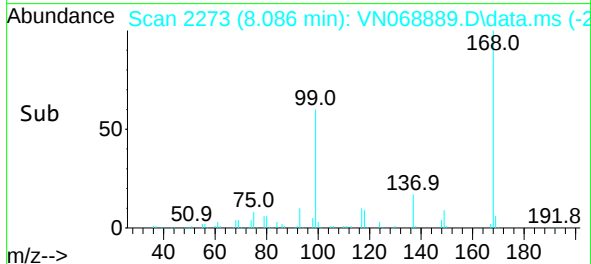
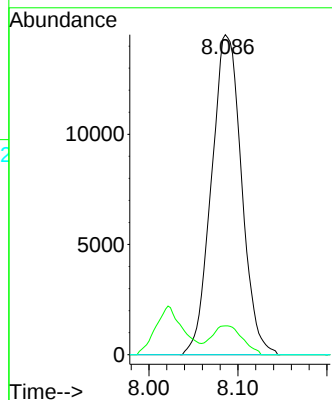
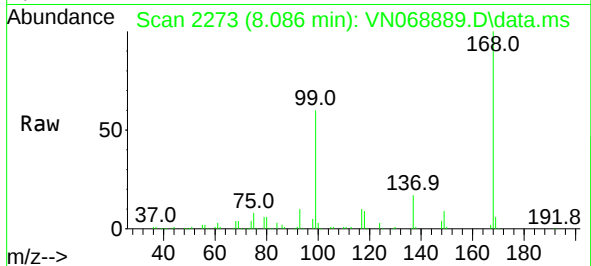




#36
1,1-Dichloropropene
Concen: 5.574 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

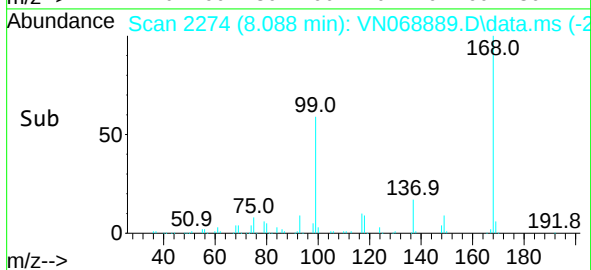
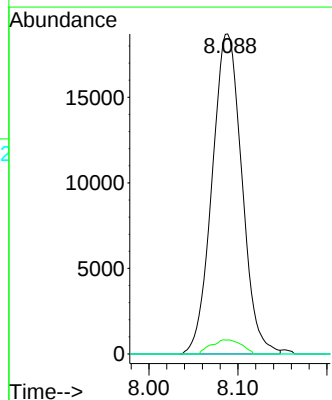
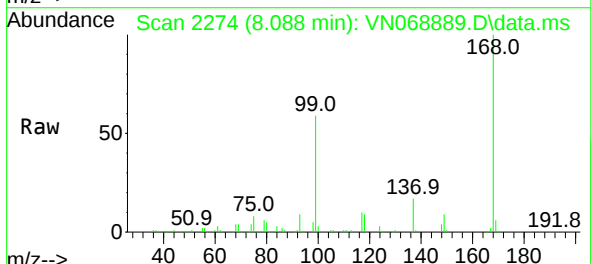
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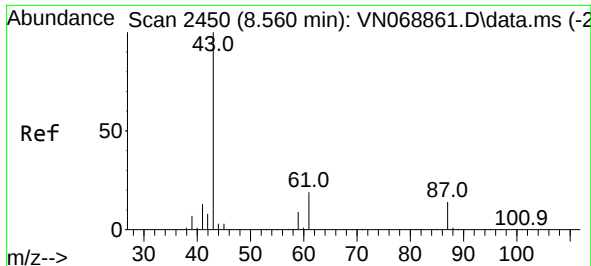
Tgt Ion: 75 Resp: 34088
Ion Ratio Lower Upper
75 100
110 9.1 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.488 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

Tgt Ion: 117 Resp: 43577
Ion Ratio Lower Upper
117 100
119 4.4 76.9 115.3#
121 0.0 24.6 37.0#

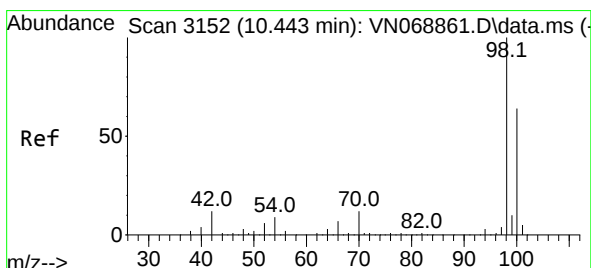
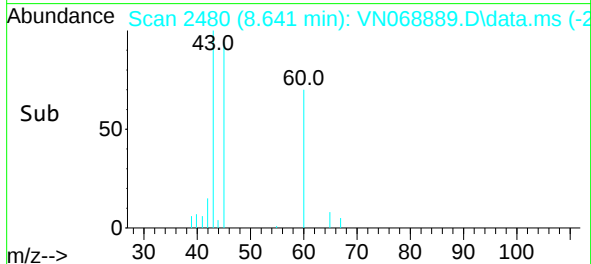
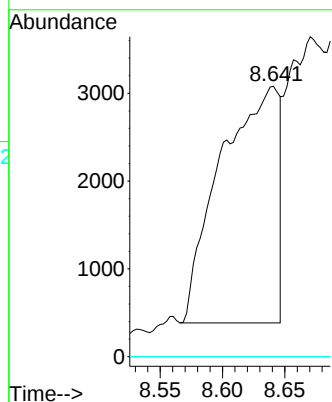
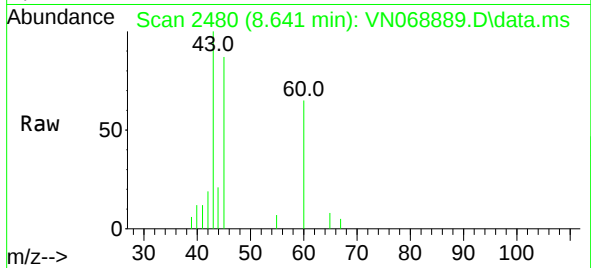




#43
Isopropyl Acetate
Concen: 0.787 ug/l
RT: 8.641 min Scan# 2480
Delta R.T. 0.081 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

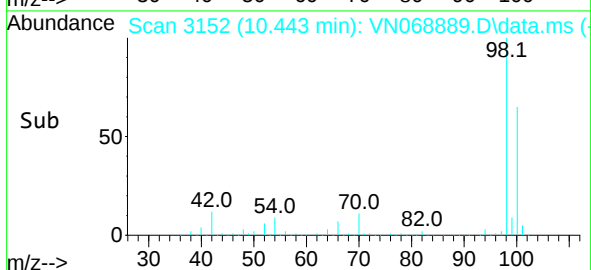
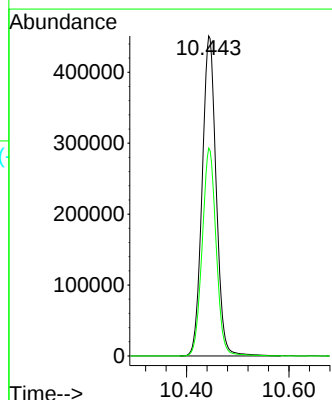
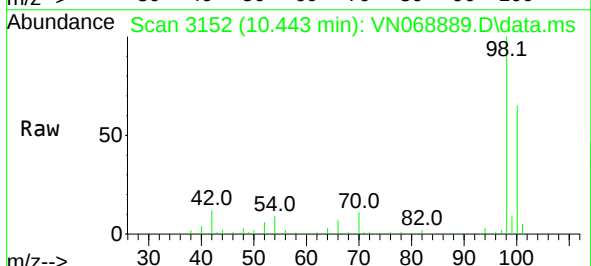
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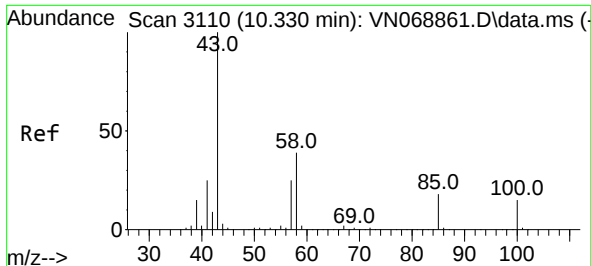
Tgt Ion: 43 Resp: 8774
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 51.433 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

Tgt Ion: 98 Resp: 857230
Ion Ratio Lower Upper
98 100
100 64.7 51.5 77.3

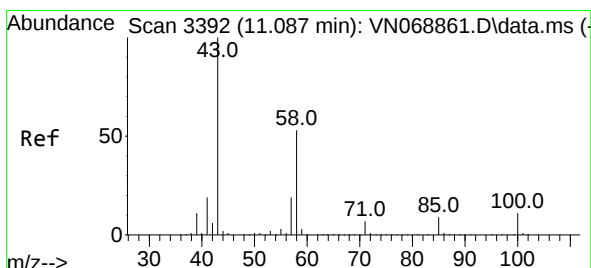
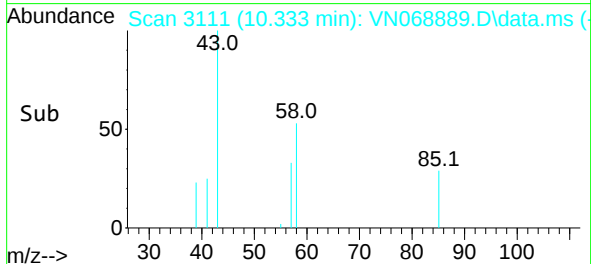
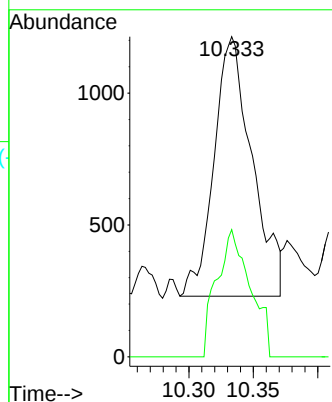
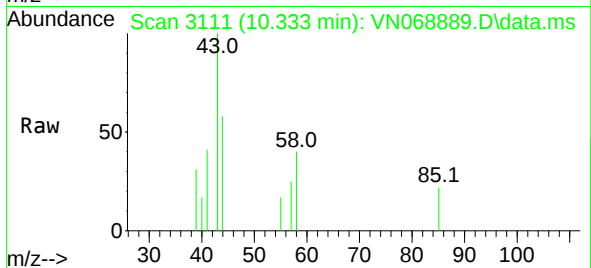




#51
4-Methyl-2-Pentanone
Concen: 0.313 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

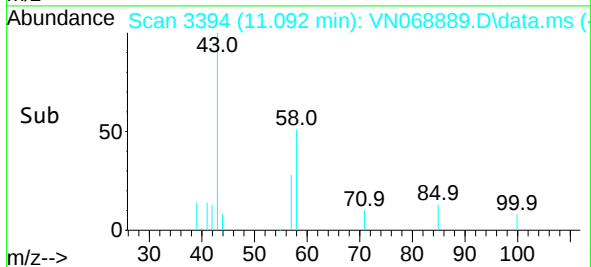
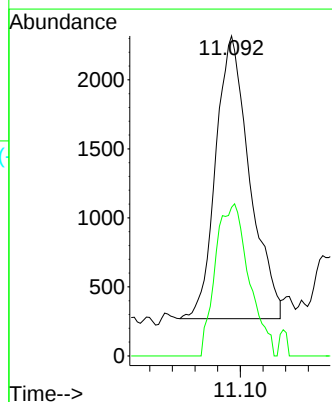
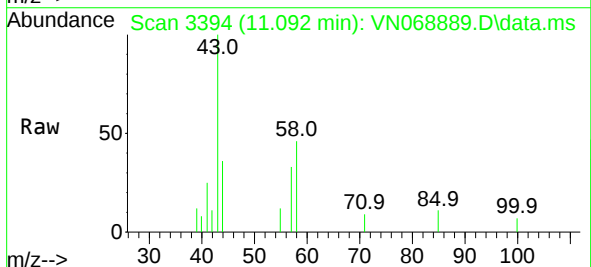
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ClientSampled :
VN1013MBL01

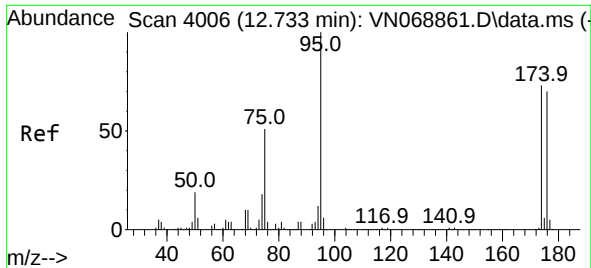
Tgt Ion: 43 Resp: 2022
Ion Ratio Lower Upper
43 100
58 43.2 31.0 46.4



#59
2-Hexanone
Concen: 0.920 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.006 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

Tgt Ion: 43 Resp: 4261
Ion Ratio Lower Upper
43 100
58 53.1 26.9 80.7

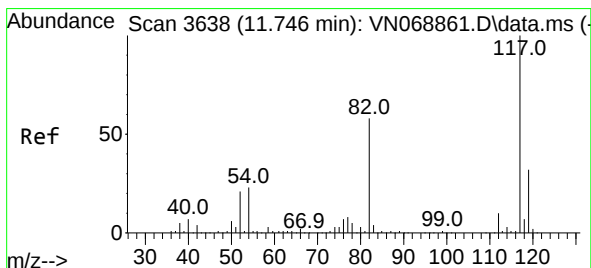
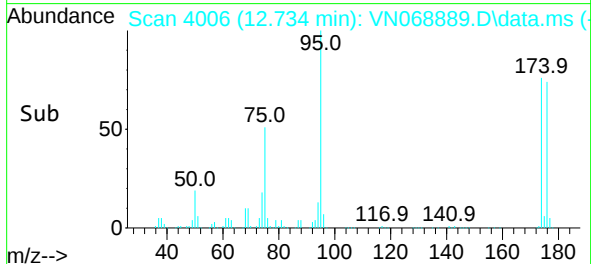
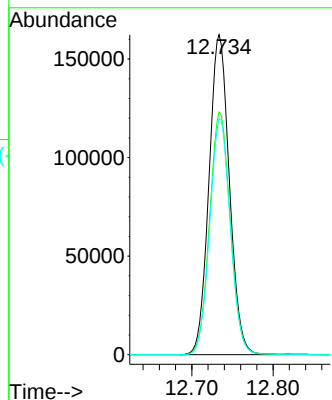
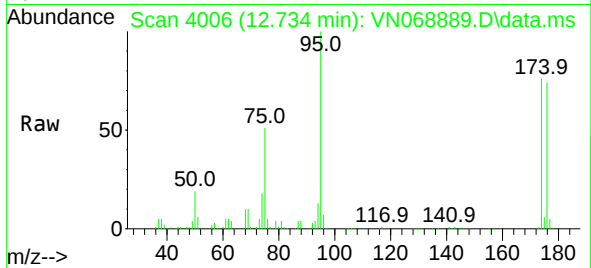




#62
4-Bromofluorobenzene
Concen: 44.956 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

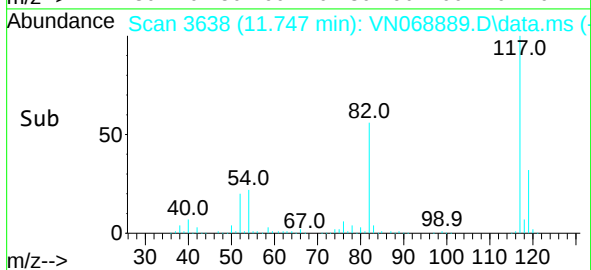
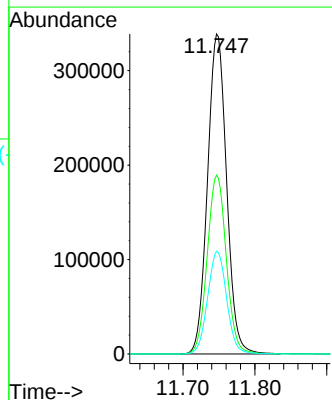
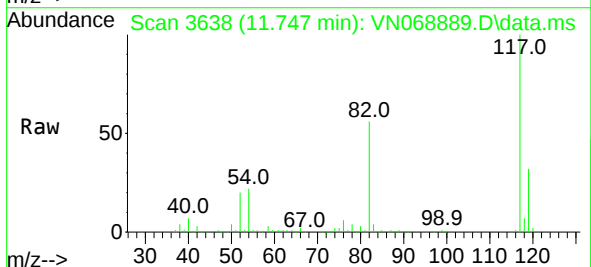
Instrument :
MSVOA_N
ClientSampleId :
VN1013MBL01

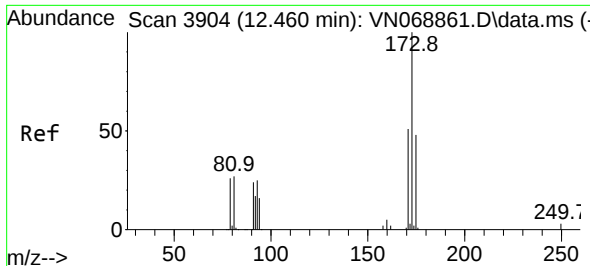
Tgt Ion: 95 Resp: 282698
Ion Ratio Lower Upper
95 100
174 77.1 0.0 144.8
176 74.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

Tgt Ion: 117 Resp: 625533
Ion Ratio Lower Upper
117 100
82 55.9 46.4 69.6
119 32.1 26.0 39.0

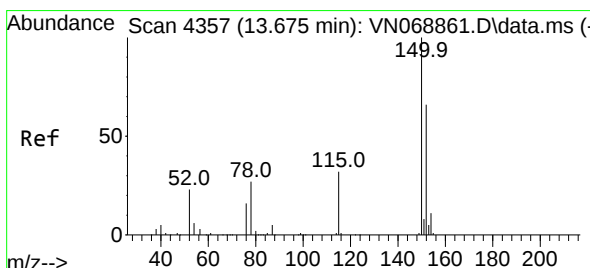
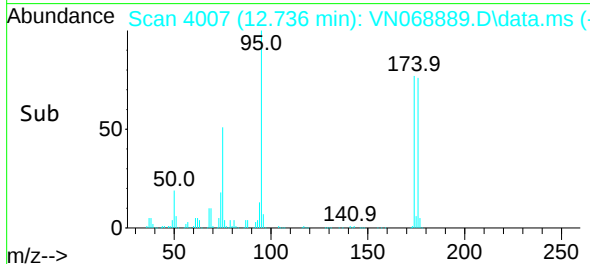
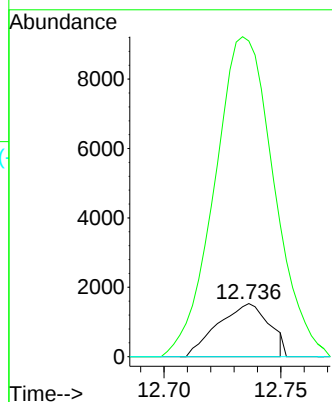
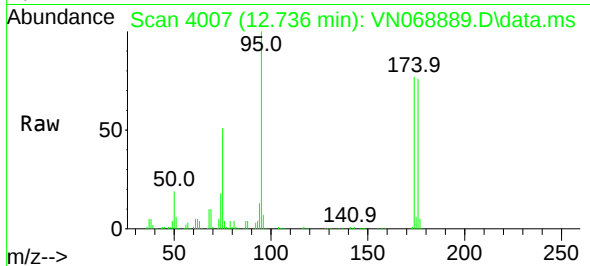




#71
Bromoform
Concen: 0.631 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

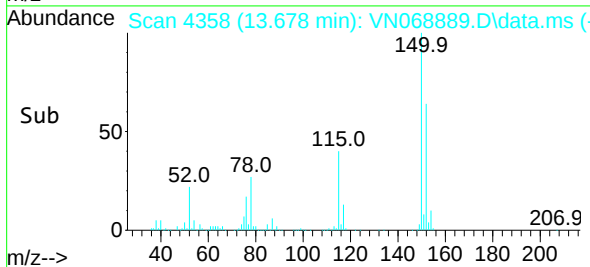
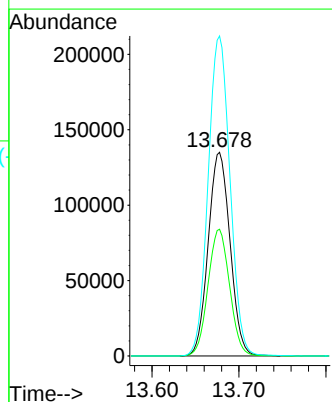
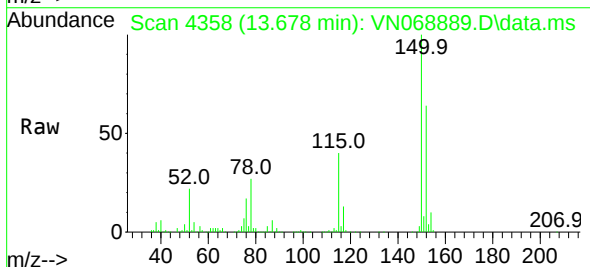
Instrument :
MSVOA_N
ClientSampleId :
VN1013MBL01

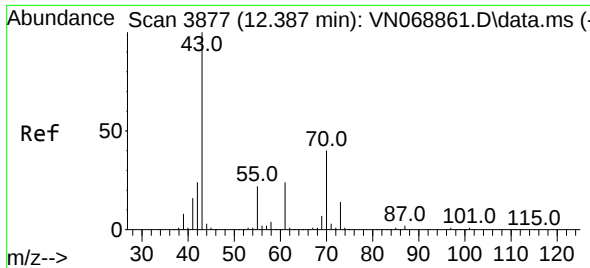
Tgt Ion:173 Resp: 2341
Ion Ratio Lower Upper
173 100
175 640.4 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

Tgt Ion:152 Resp: 235939
Ion Ratio Lower Upper
152 100
115 61.4 31.4 94.3
150 157.0 0.0 351.0

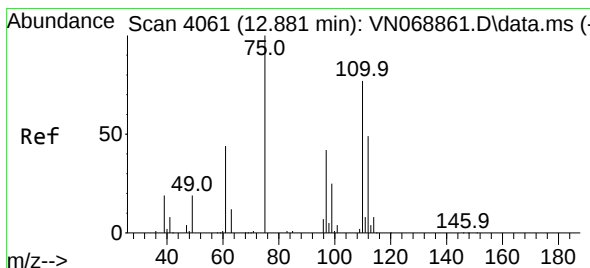
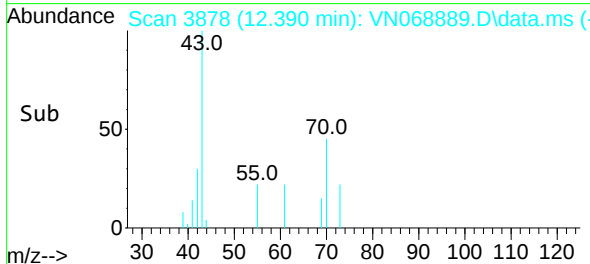
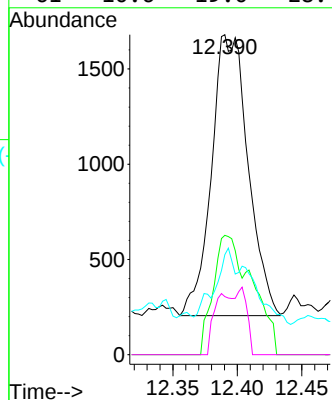
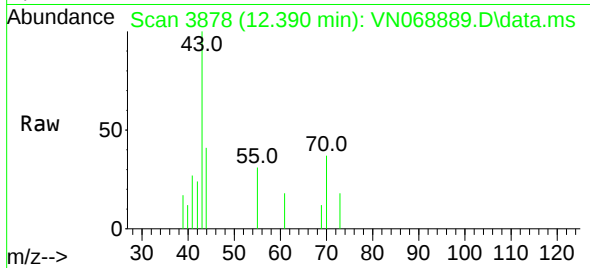




#74
N-amy1 acetate
Concen: 0.391 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.003 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

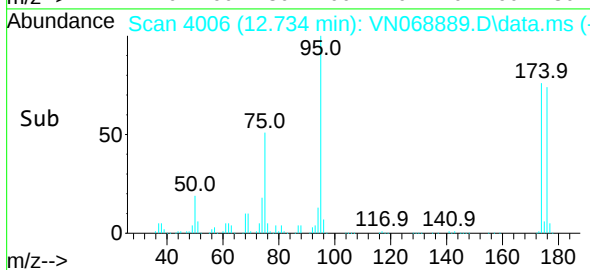
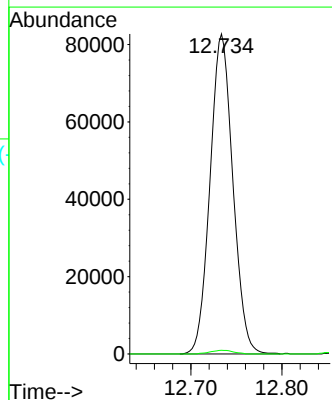
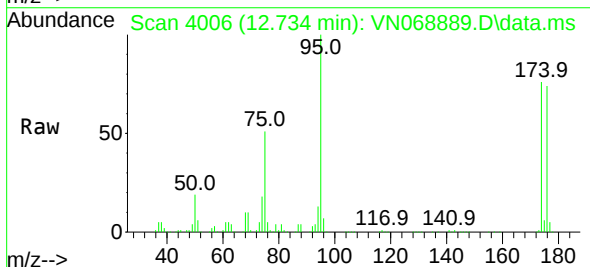
Instrument :
MSVOA_N
ClientSampled :
VN1013MBL01

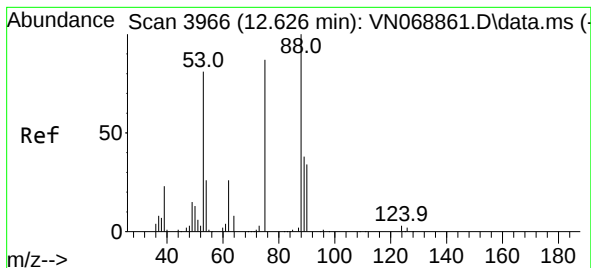
Tgt Ion:	43	Resp:	2911
Ion	Ratio	Lower	Upper
43	100		
70	30.0	32.2	48.2#
55	13.4	18.0	27.0#
61	10.6	19.0	28.4#



#76
1,2,3-Trichloropropane
Concen: 28.626 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

Tgt Ion:	75	Resp:	143707
Ion	Ratio	Lower	Upper
75	100		
77	1.2	96.2	288.4#

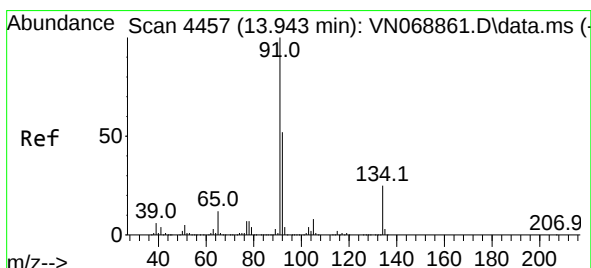
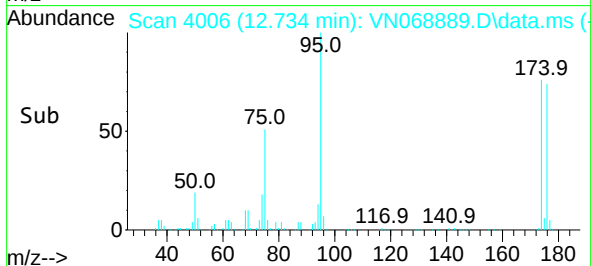
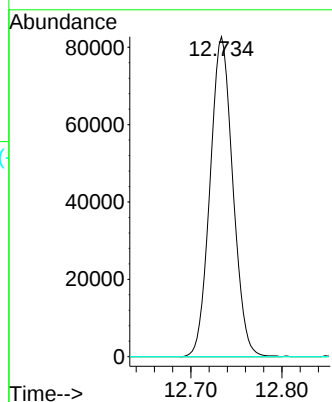
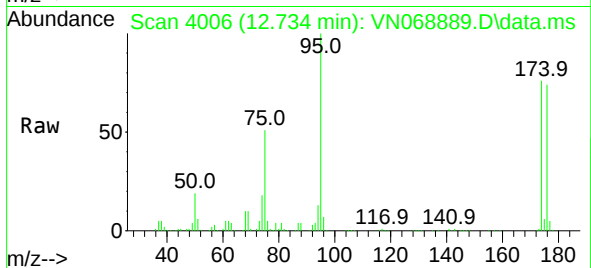




#81
trans-1,4-Dichloro-2-butene
Concen: 68.487 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

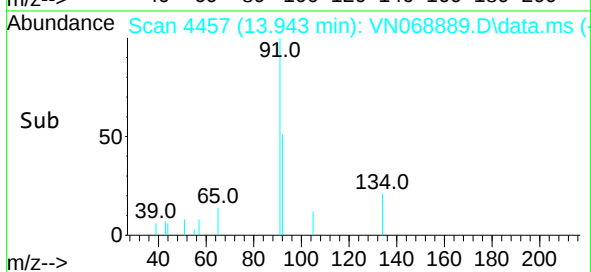
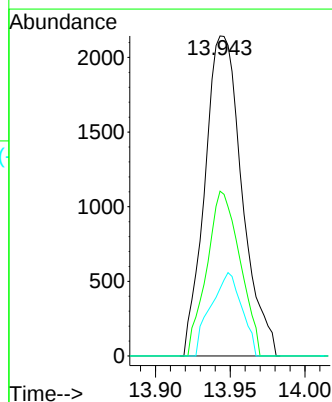
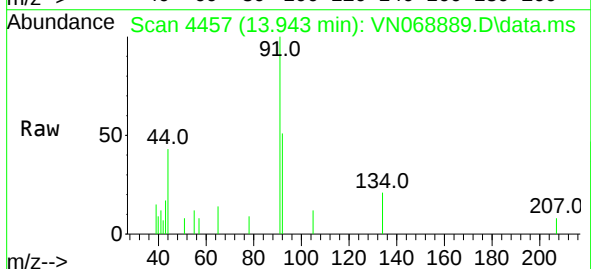
Instrument :
MSVOA_N
ClientSampleId :
VN1013MBL01

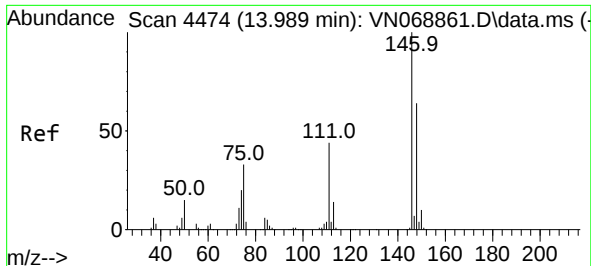
Tgt Ion: 75 Resp: 143707
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#89
n-Butylbenzene
Concen: 0.282 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

Tgt Ion: 91 Resp: 3714
Ion Ratio Lower Upper
91 100
92 46.1 26.0 78.0
134 21.6 12.5 37.5

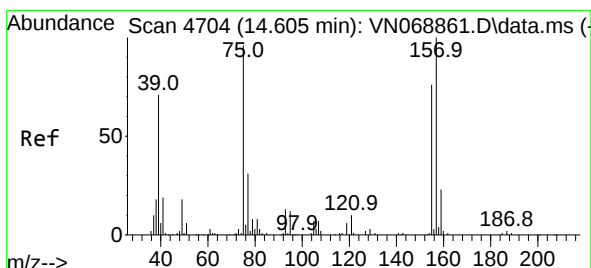
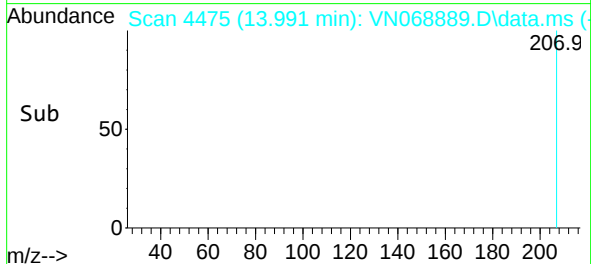
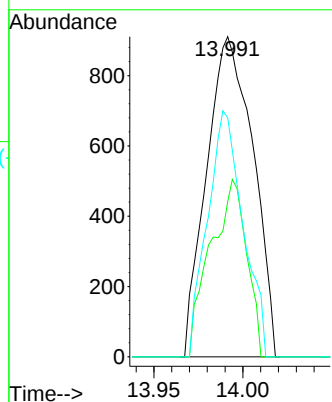
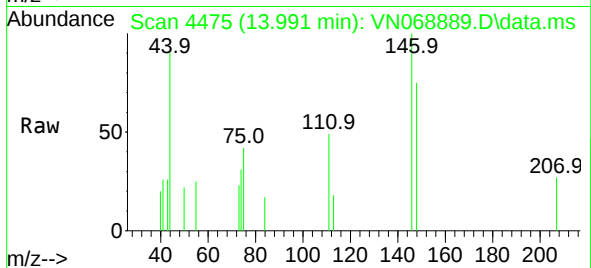




#91
1,2-Dichlorobenzene
Concen: 0.227 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.003 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

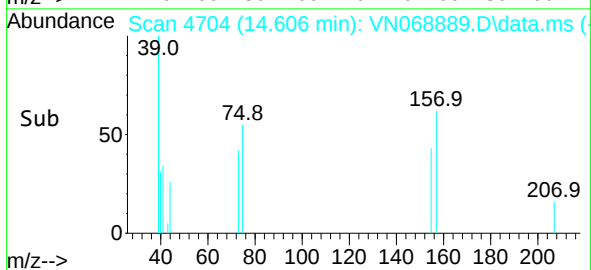
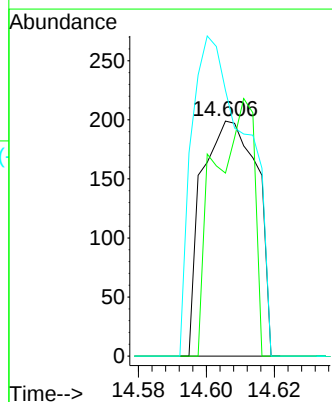
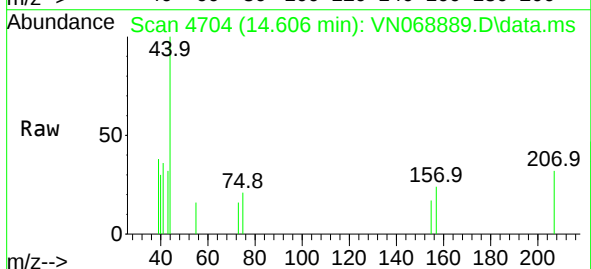
Instrument :
MSVOA_N
ClientSampleId :
VN1013MBL01

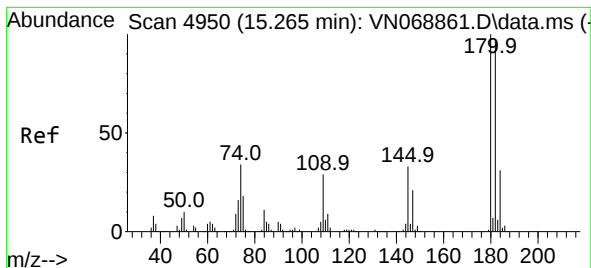
Tgt Ion:	146	Resp:	1655
Ion	Ratio	Lower	Upper
146	100		
111	42.9	22.0	66.0
148	58.9	32.1	96.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.205 ug/l
RT: 14.606 min Scan# 4704
Delta R.T. 0.000 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

Tgt Ion:	75	Resp:	224
Ion	Ratio	Lower	Upper
75	100		
155	78.6	38.8	116.4
157	136.2	50.2	150.6

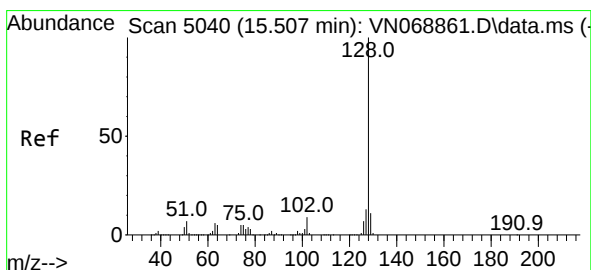
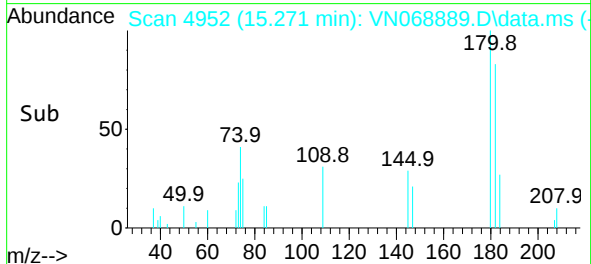
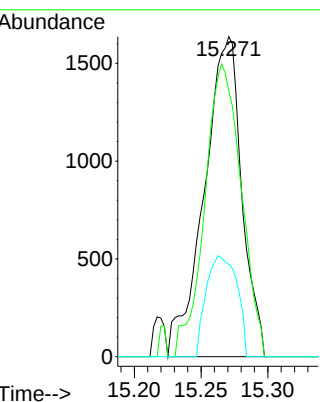
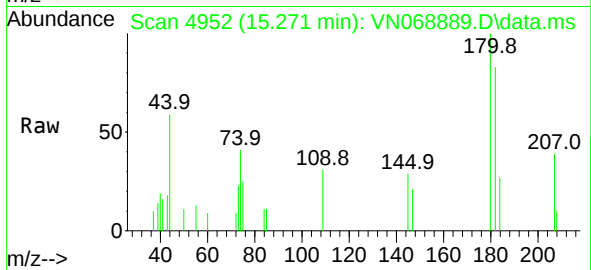




#93
1,2,4-Trichlorobenzene
Concen: 3.367 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

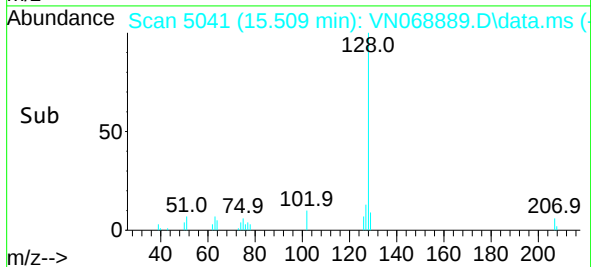
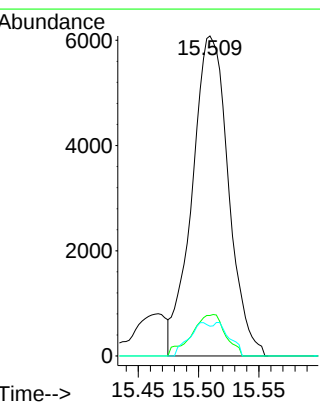
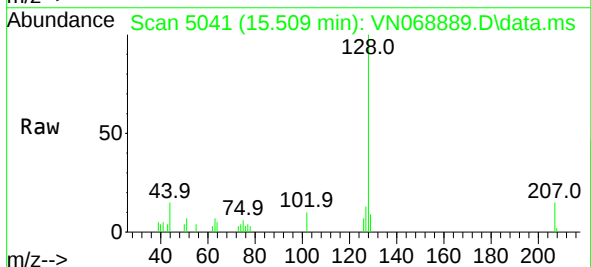
Instrument :
MSVOA_N
ClientSampleId :
VN1013MBL01

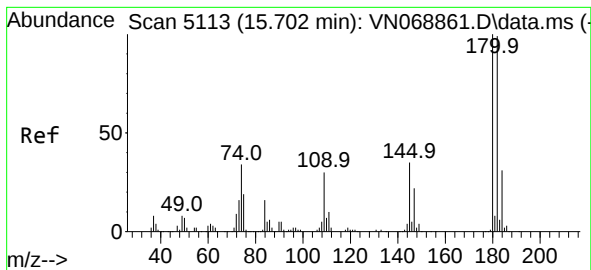
Tgt Ion:180 Resp: 3201
Ion Ratio Lower Upper
180 100
182 88.8 47.9 143.7
145 25.7 16.4 49.2



#95
Naphthalene
Concen: 4.887 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

Tgt Ion:128 Resp: 12750
Ion Ratio Lower Upper
128 100
127 12.0 10.5 15.7
129 6.0 8.9 13.3#





#96
1,2,3-Trichlorobenzene
Concen: 3.512 ug/l
RT: 15.703 min Scan# 5113
Delta R.T. 0.001 min
Lab File: VN068889.D
Acq: 13 Oct 2021 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN1013MBL01

Tgt Ion:180 Resp: 3964
Ion Ratio Lower Upper
180 100
182 98.3 48.1 144.3
145 31.4 17.4 52.2

