

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040121\
 Data File : VN066449.D
 Acq On : 1 Apr 2021 12:31
 Operator : JC/MD
 Sample : VN0401MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBL01

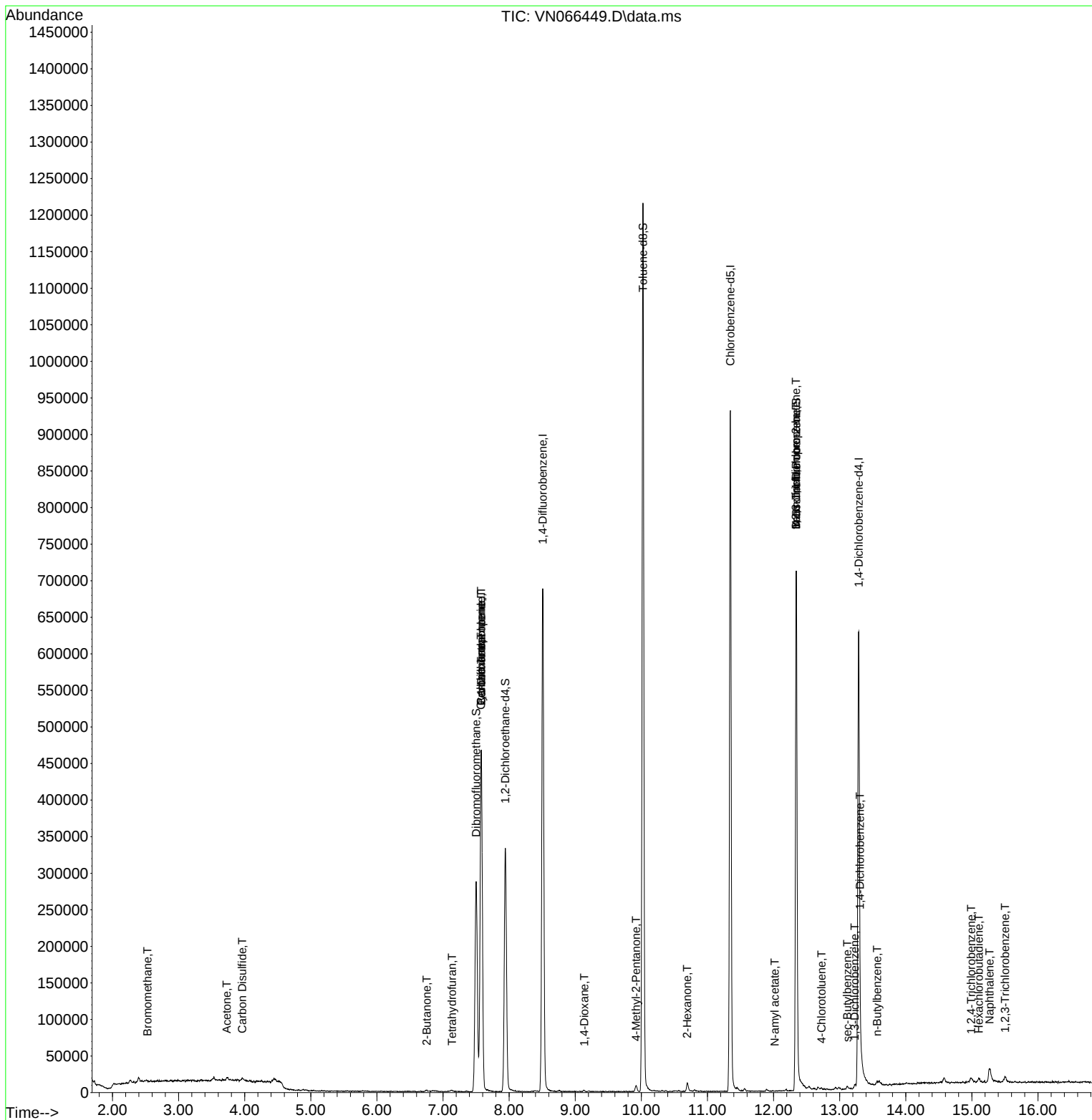
Quant Time: Apr 02 04:48:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 01 14:08:22 2021
 Response via : Initial Calibration

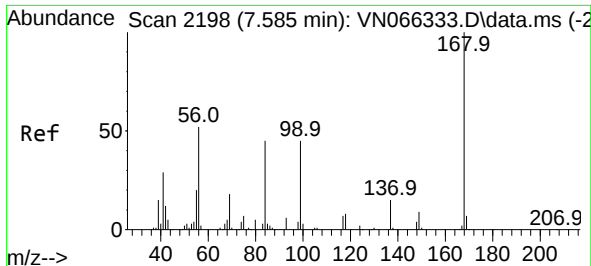
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.579	168	397933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.510	114	603982	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	535125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	205674	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.944	65	278895	52.72	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.44%			
35) Dibromofluoromethane	7.501	113	219871	54.91	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.82%			
50) Toluene-d8	10.025	98	816978	53.79	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.58%			
62) 4-Bromofluorobenzene	12.345	95	240649	45.62	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.24%			
Target Compounds					Qvalue	
3) Chloromethane	2.014	50	1406	Below Cal	#	84
5) Bromomethane	2.529	94	838	0.22 ug/l	#	78
13) Acrolein	3.532	56	4991	Below Cal	#	64
16) Acetone	3.731	43	6514	2.28 ug/l	#	74
17) Carbon Disulfide	3.961	76	4127	0.31 ug/l	#	90
20) Methylene Chloride	4.444	84	1639	Below Cal	#	93
25) 2-Butanone	6.756	43	1288	0.41 ug/l	#	88
29) Tetrahydrofuran	7.137	42	1282	0.63 ug/l	#	79
31) Cyclohexane	7.576	56	8481	1.16 ug/l	#	4
36) 1,1-Dichloropropene	7.579	75	28462	5.02 ug/l	#	48
38) Carbon Tetrachloride	7.579	117	35337	6.19 ug/l	#	17
49) 1,4-Dioxane	9.137	88	507	7.94 ug/l	#	81
51) 4-Methyl-2-Pentanone	9.920	43	6458	1.04 ug/l		97
59) 2-Hexanone	10.696	43	9819	2.25 ug/l		90
71) Bromoform	12.342	173	1195	0.35 ug/l	#	1
74) N-amyl acetate	12.018	43	270	3.24 ug/l	#	45
76) 1,2,3-Trichloropropane	12.342	75	123934	27.46 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.342	75	123934	82.58 ug/l	#	12
82) 4-Chlorotoluene	12.726	91	2058	0.20 ug/l		71
85) sec-Butylbenzene	13.117	105	2922	0.21 ug/l		88
87) 1,3-Dichlorobenzene	13.227	146	1697	0.26 ug/l	#	78
88) 1,4-Dichlorobenzene	13.308	146	2274	0.34 ug/l	#	1
89) n-Butylbenzene	13.568	91	4325	0.42 ug/l	#	44
93) 1,2,4-Trichlorobenzene	14.989	180	2271	0.57 ug/l	#	48
94) Hexachlorobutadiene	15.107	225	1829	0.85 ug/l		92
95) Naphthalene	15.268	128	27798	3.40 ug/l	#	90
96) 1,2,3-Trichlorobenzene	15.504	180	4580	1.15 ug/l		92

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

Quant Time: Apr 02 04:48:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 01 14:08:22 2021
Response via : Initial Calibration

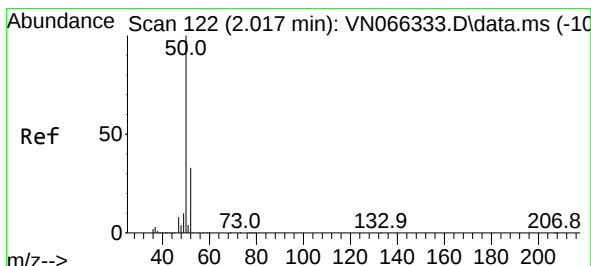
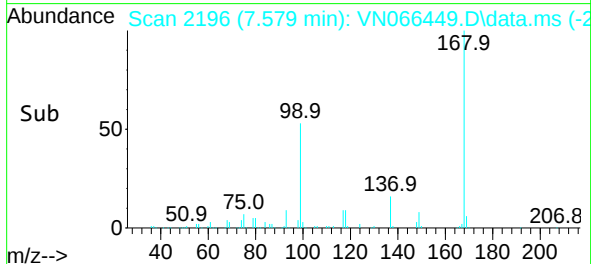
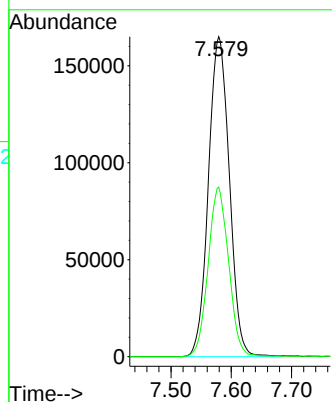
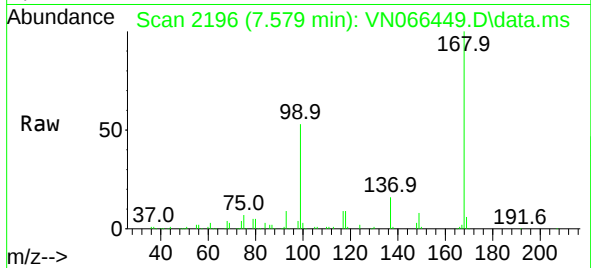




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.579 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

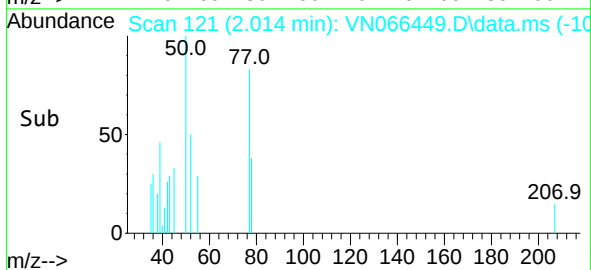
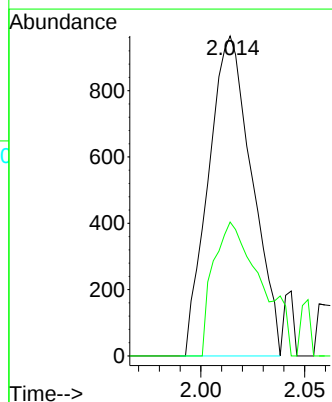
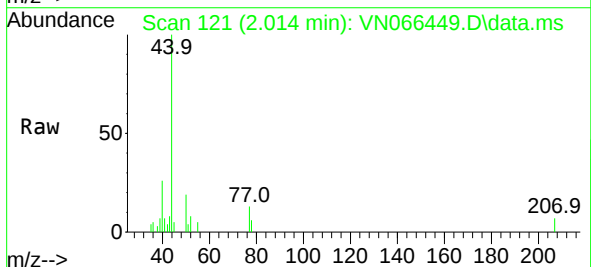
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

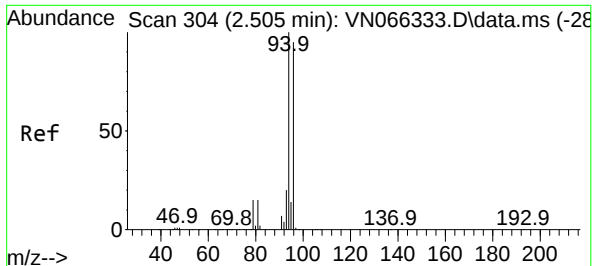
Tgt Ion:168 Resp: 397933
Ion Ratio Lower Upper
168 100
99 53.0 41.1 61.7



#3
Chloromethane
Concen: Below Cal
RT: 2.014 min Scan# 121
Delta R.T. -0.003 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

Tgt Ion: 50 Resp: 1406
Ion Ratio Lower Upper
50 100
52 41.9 26.2 39.2#

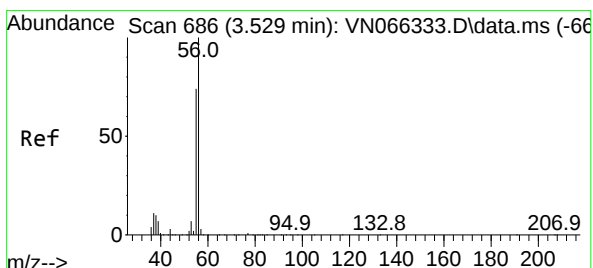
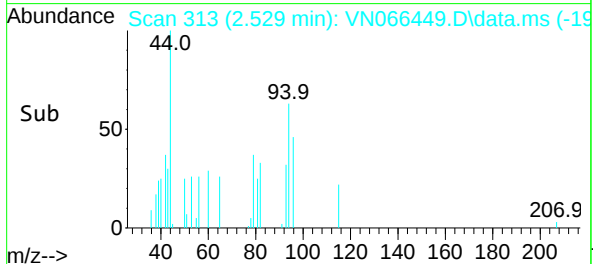
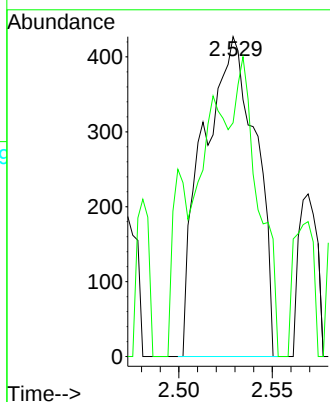
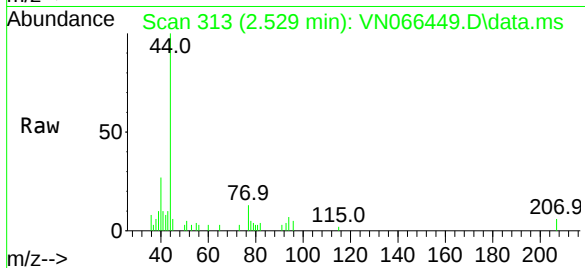




#5
Bromomethane
Concen: 0.22 ug/l
RT: 2.529 min Scan# 313
Delta R.T. 0.016 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

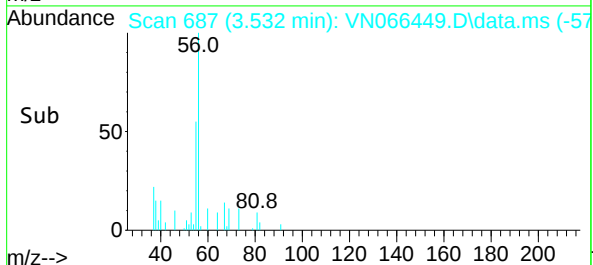
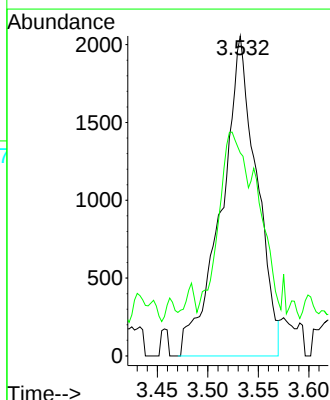
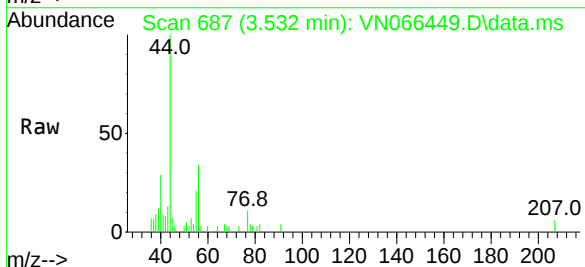
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

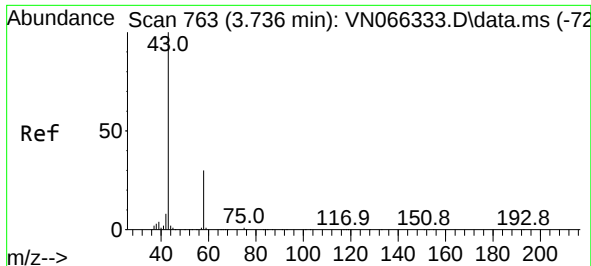
Tgt Ion: 94 Resp: 838
Ion Ratio Lower Upper
94 100
96 73.1 75.8 113.6#



#13
Acrolein
Concen: Below Cal
RT: 3.532 min Scan# 687
Delta R.T. 0.005 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

Tgt Ion: 56 Resp: 4991
Ion Ratio Lower Upper
56 100
55 41.9 57.9 86.9#

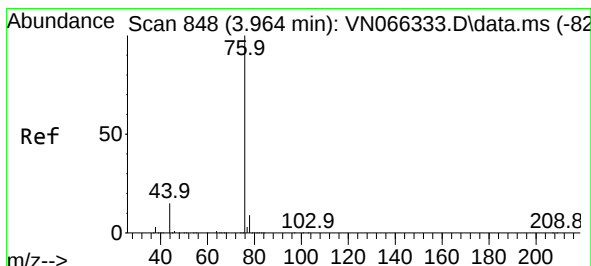
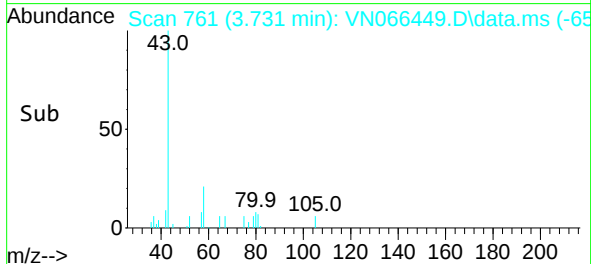
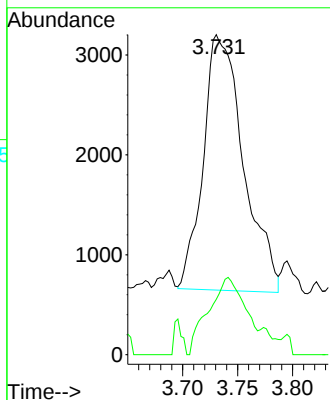
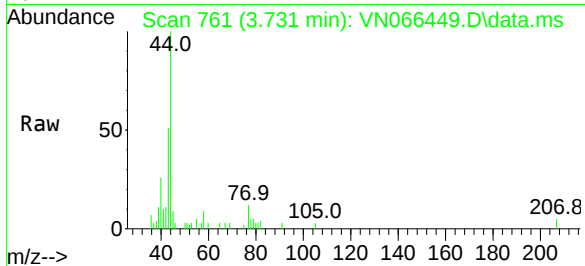




#16
Acetone
Concen: 2.28 ug/l
RT: 3.731 min Scan# 761
Delta R.T. -0.003 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

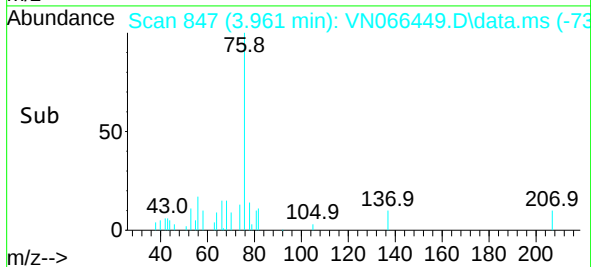
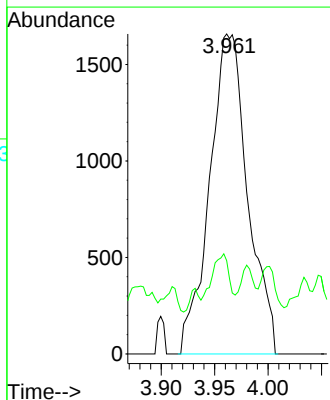
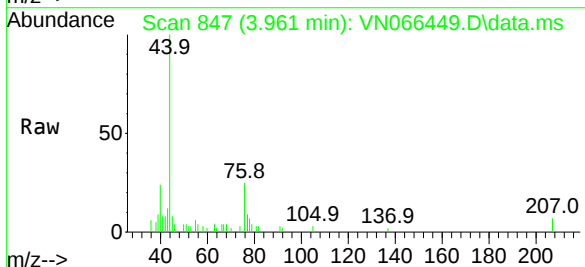
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

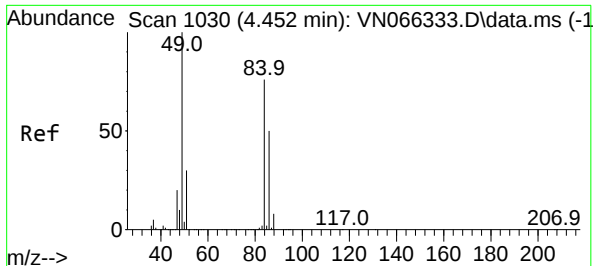
Tgt Ion: 43 Resp: 6514
Ion Ratio Lower Upper
43 100
58 15.9 23.8 35.8#



#17
Carbon Disulfide
Concen: 0.31 ug/l
RT: 3.961 min Scan# 847
Delta R.T. -0.000 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

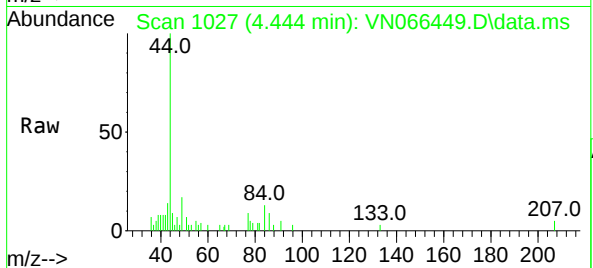
Tgt Ion: 76 Resp: 4127
Ion Ratio Lower Upper
76 100
78 12.7 7.4 11.0#





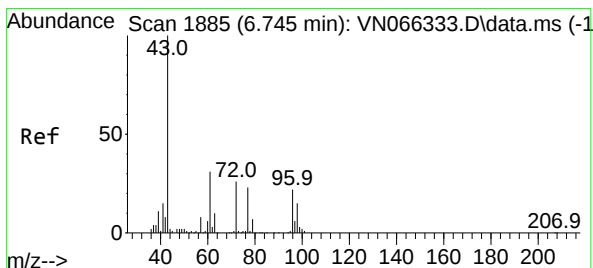
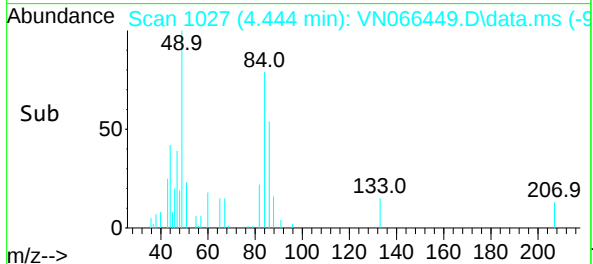
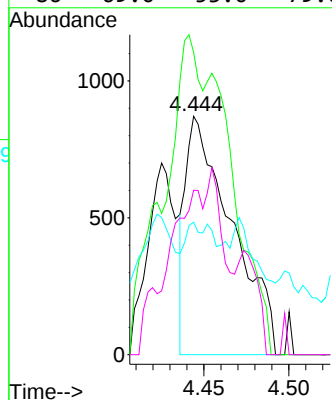
#20
Methylene Chloride
Concen: Below Cal
RT: 4.444 min Scan# 1027
Delta R.T. -0.003 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01



Tgt Ion: 84 Resp: 1639

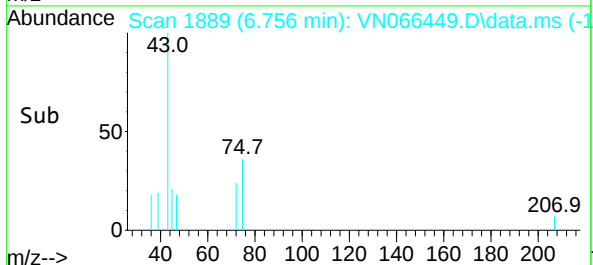
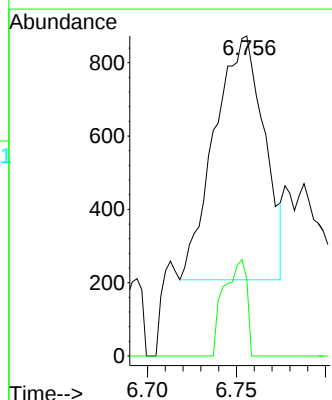
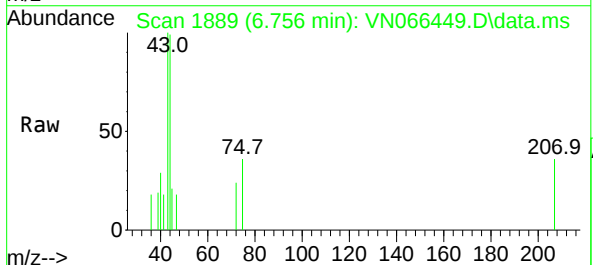
Ion	Ratio	Lower	Upper
84	100		
49	126.8	105.0	157.6
51	23.7	31.6	47.4#
86	69.0	53.0	79.6

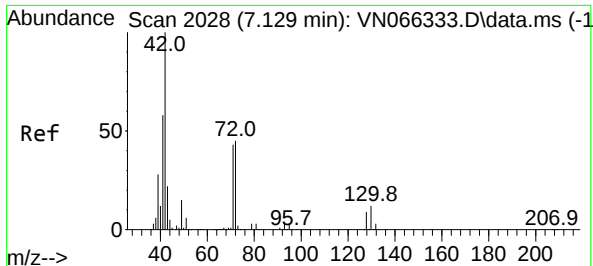


#25
2-Butanone
Concen: 0.41 ug/l
RT: 6.756 min Scan# 1889
Delta R.T. 0.016 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

Tgt Ion: 43 Resp: 1288

Ion	Ratio	Lower	Upper
43	100		
72	31.9	20.7	31.1#

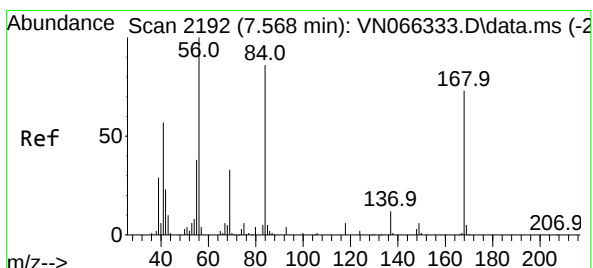
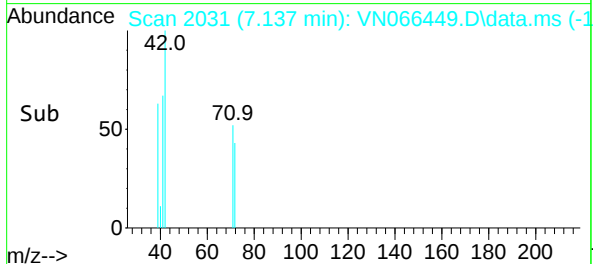
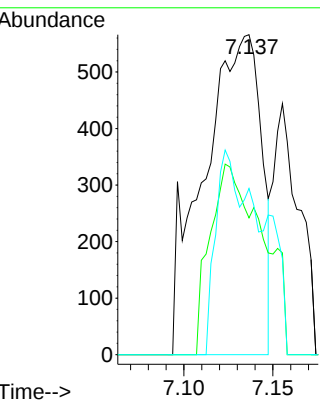
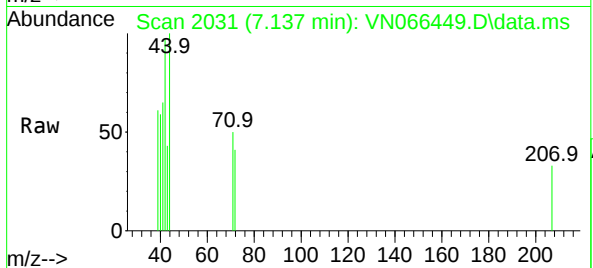




#29
Tetrahydrofuran
Concen: 0.63 ug/l
RT: 7.137 min Scan# 2031
Delta R.T. 0.013 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

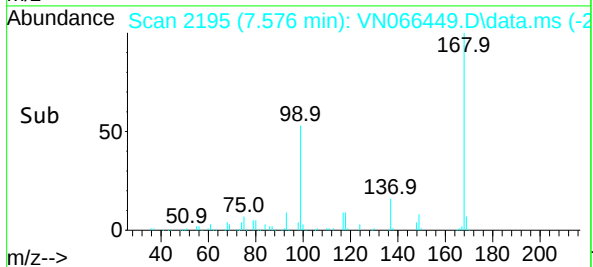
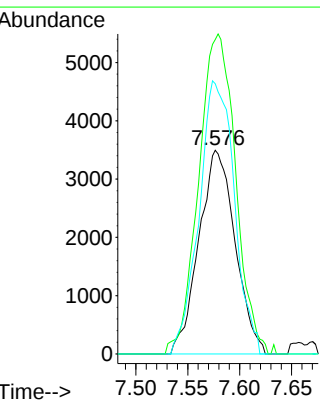
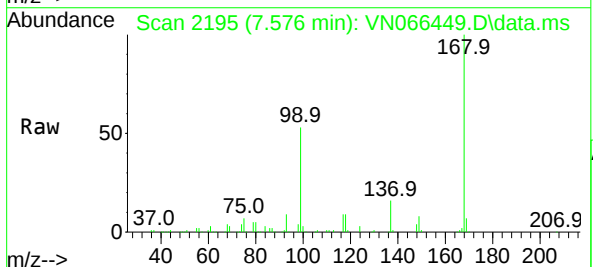
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

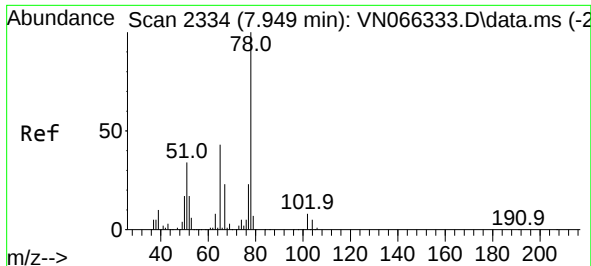
Tgt Ion: 42 Resp: 1282
Ion Ratio Lower Upper
42 100
72 53.9 35.2 52.8#
71 24.5 33.1 49.7#



#31
Cyclohexane
Concen: 1.16 ug/l
RT: 7.576 min Scan# 2195
Delta R.T. 0.011 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

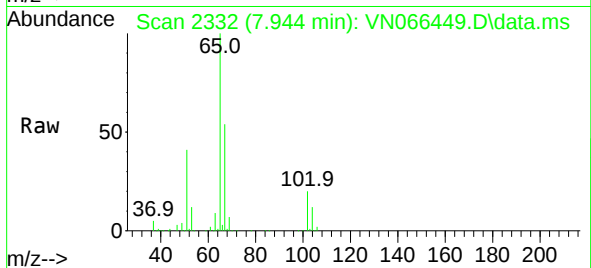
Tgt Ion: 56 Resp: 8481
Ion Ratio Lower Upper
56 100
69 154.3 26.6 40.0#
84 132.6 68.7 103.1#



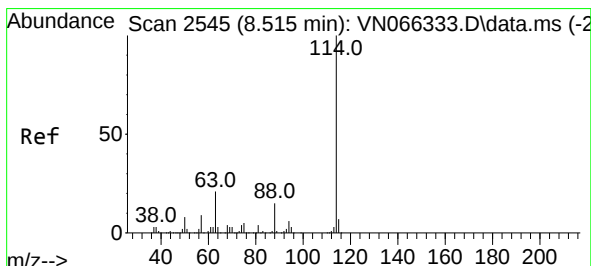
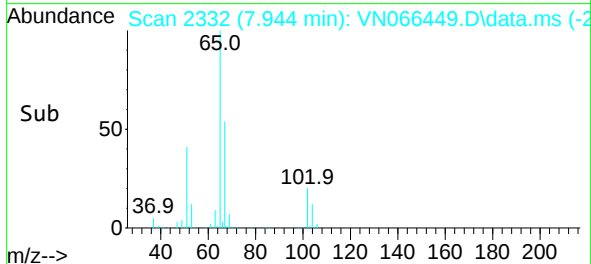
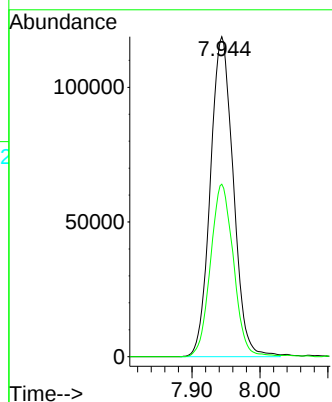


#33
 1,2-Dichloroethane-d4
 Concen: 52.72 ug/l
 RT: 7.944 min Scan# 2332
 Delta R.T. -0.000 min
 Lab File: VN066449.D
 Acq: 1 Apr 2021 12:31

Instrument :
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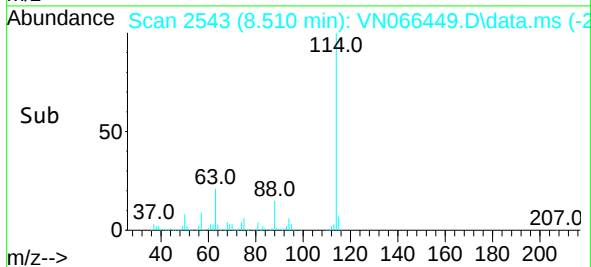
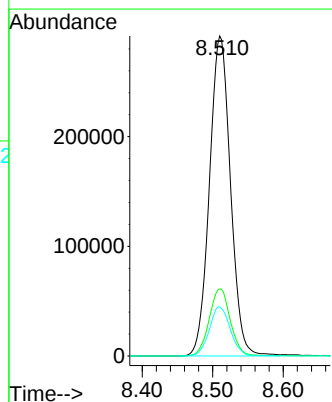
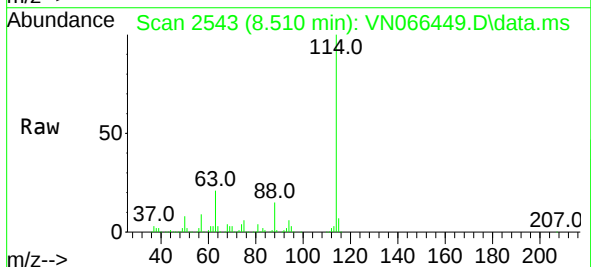


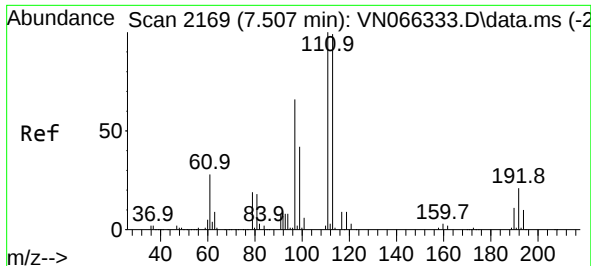
Tgt Ion: 65 Resp: 278895
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.510 min Scan# 2543
 Delta R.T. -0.000 min
 Lab File: VN066449.D
 Acq: 1 Apr 2021 12:31

Tgt Ion: 114 Resp: 603982
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.0
 88 15.3 0.0 31.0

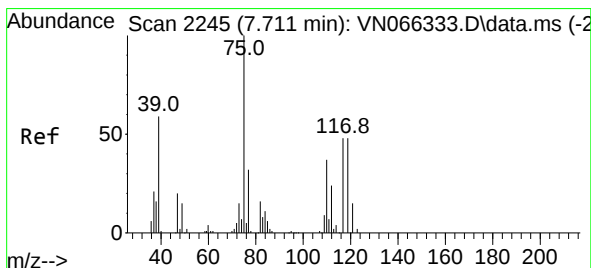
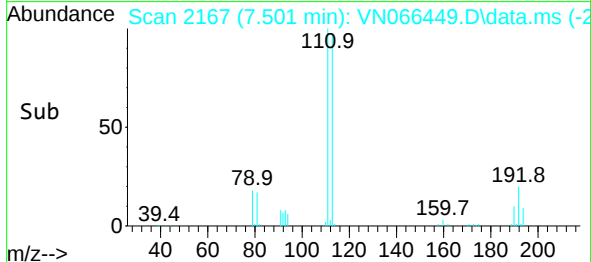
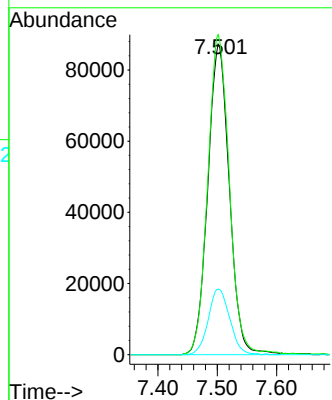
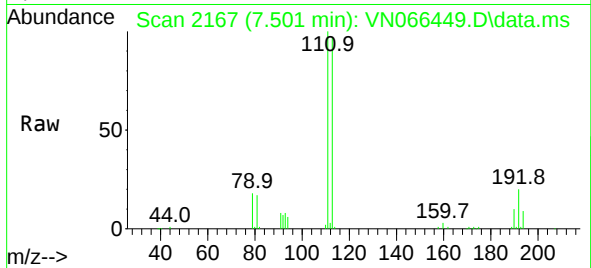




#35
Dibromofluoromethane
Concen: 54.91 ug/l
RT: 7.501 min Scan# 2167
Delta R.T. -0.000 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

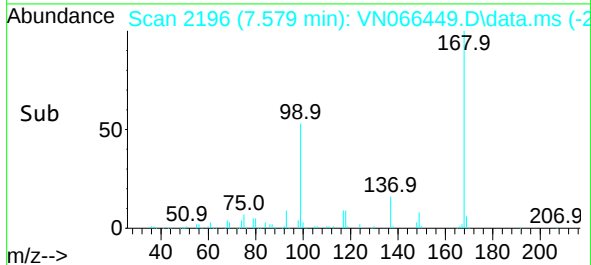
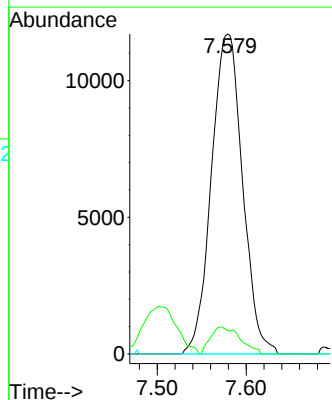
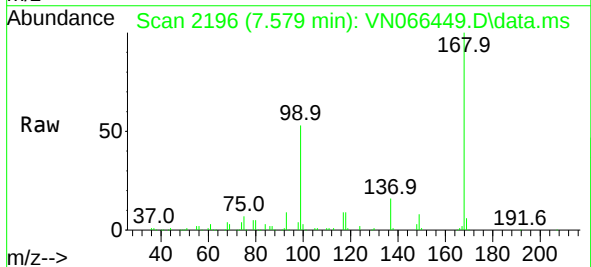
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

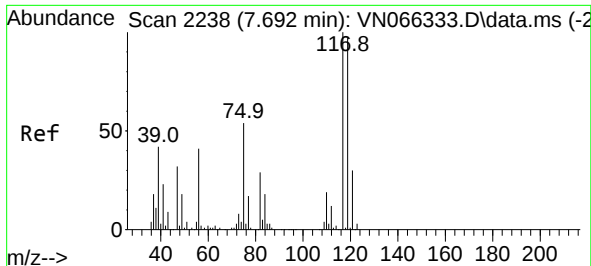
Tgt Ion:113 Resp: 219871
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.8
192 21.1 17.1 25.7



#36
1,1-Dichloropropene
Concen: 5.02 ug/l
RT: 7.579 min Scan# 2196
Delta R.T. -0.126 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

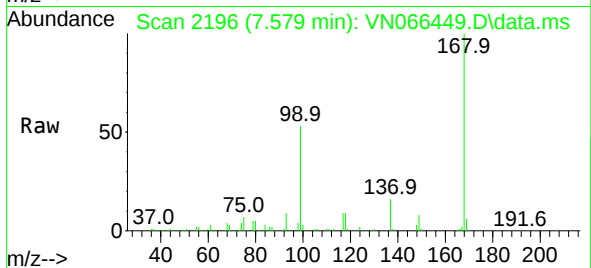
Tgt Ion: 75 Resp: 28462
Ion Ratio Lower Upper
75 100
110 8.0 18.1 54.3#
77 0.0 25.0 37.4#



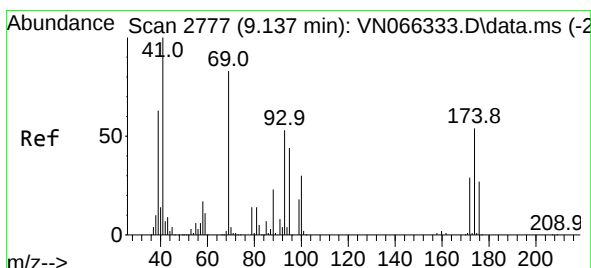
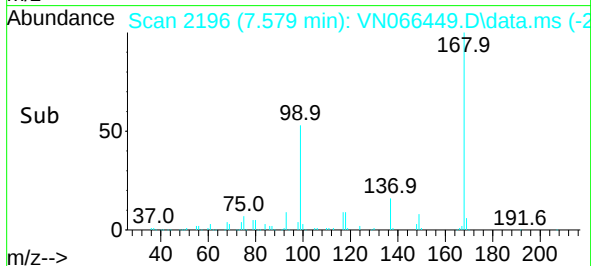
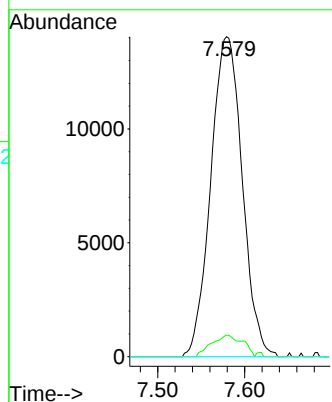


#38
Carbon Tetrachloride
Concen: 6.19 ug/l
RT: 7.579 min Scan# 2196
Delta R.T. -0.105 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

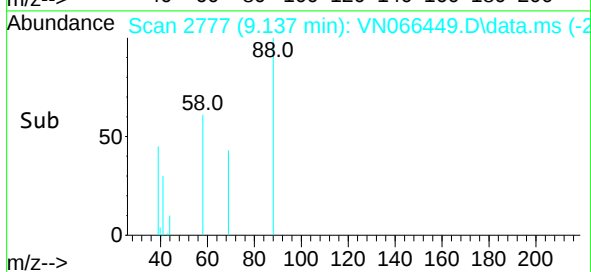
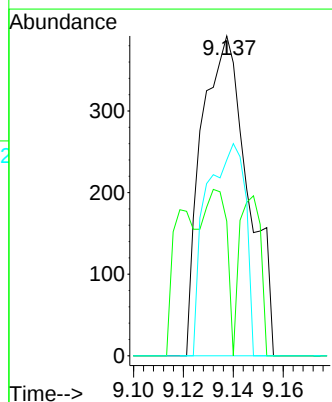
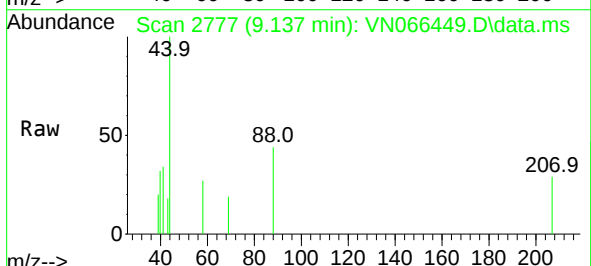


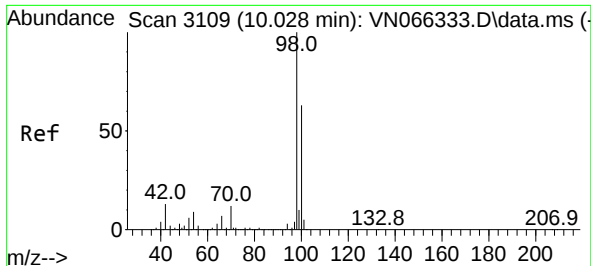
Tgt Ion:117 Resp: 35337
Ion Ratio Lower Upper
117 100
119 6.7 77.2 115.8#
121 0.0 24.2 36.4#



#49
1,4-Dioxane
Concen: 7.94 ug/l
RT: 9.137 min Scan# 2777
Delta R.T. 0.005 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

Tgt Ion: 88 Resp: 507
Ion Ratio Lower Upper
88 100
43 23.9 28.2 42.4#
58 55.6 56.6 84.8#

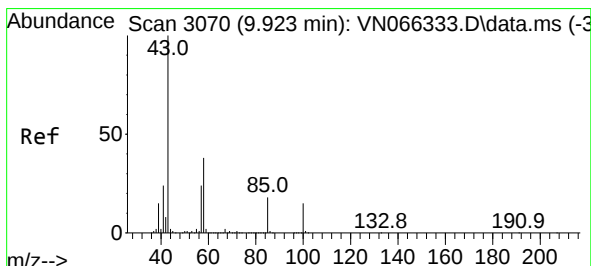
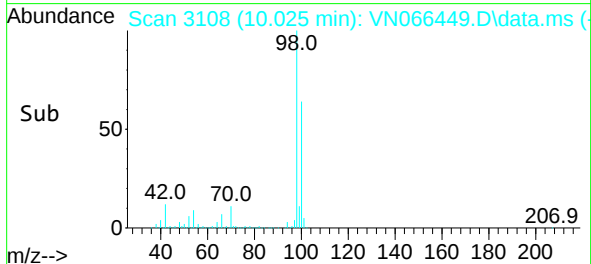
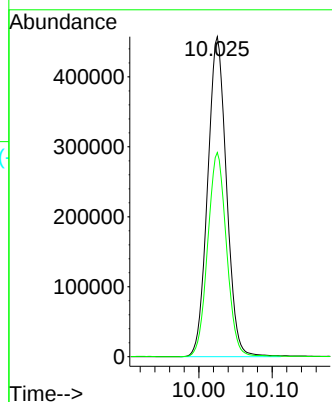
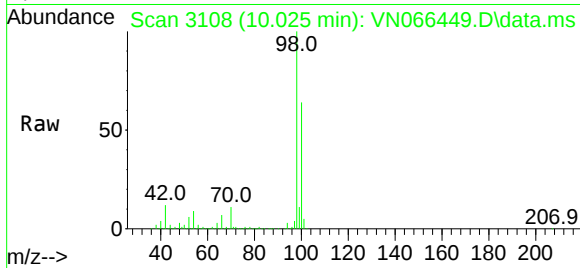




#50
Toluene-d8
Concen: 53.79 ug/l
RT: 10.025 min Scan# 3108
Delta R.T. -0.000 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

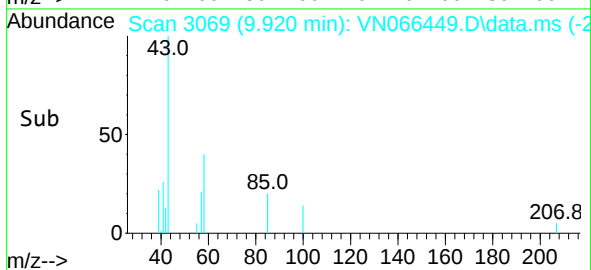
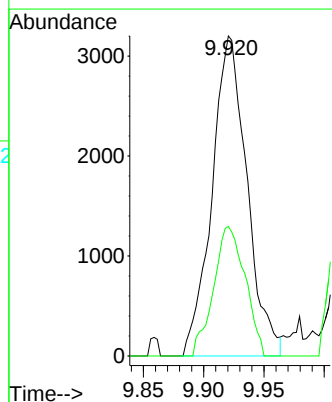
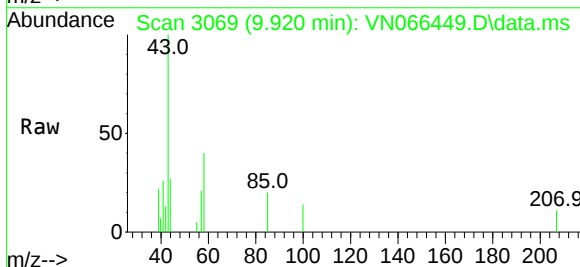
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

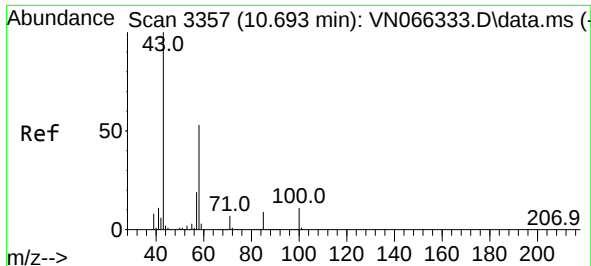
Tgt Ion: 98 Resp: 816978
Ion Ratio Lower Upper
98 100
100 63.7 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.04 ug/l
RT: 9.920 min Scan# 3069
Delta R.T. 0.003 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

Tgt Ion: 43 Resp: 6458
Ion Ratio Lower Upper
43 100
58 36.5 30.8 46.2

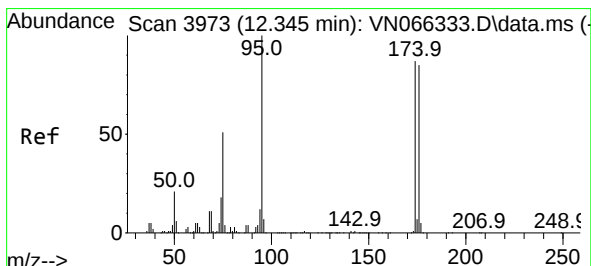
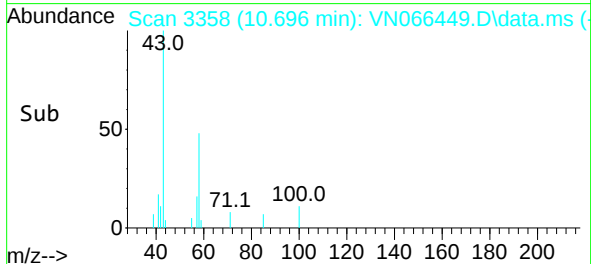
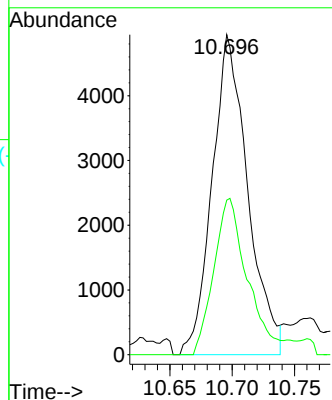
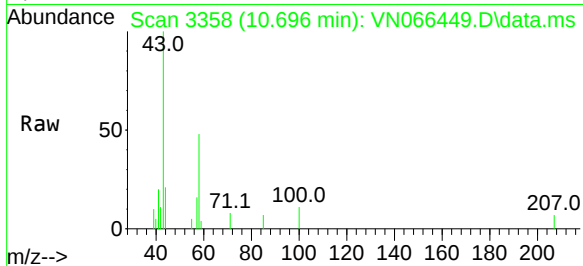




#59
2-Hexanone
Concen: 2.25 ug/l
RT: 10.696 min Scan# 3358
Delta R.T. 0.005 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

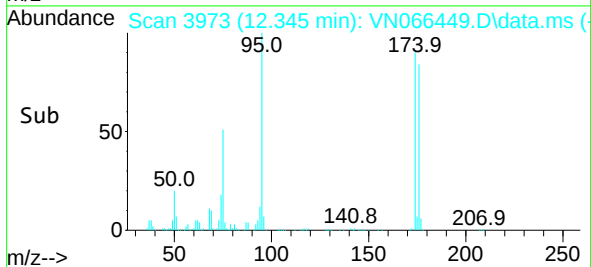
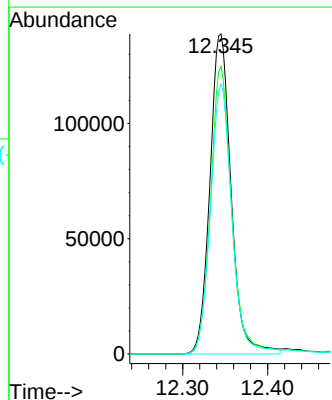
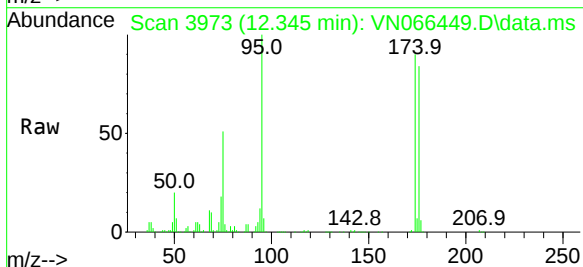
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

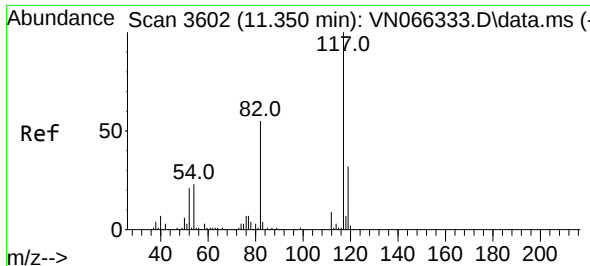
Tgt Ion: 43 Resp: 9819
Ion Ratio Lower Upper
43 100
58 46.2 26.6 79.8



#62
4-Bromofluorobenzene
Concen: 45.62 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

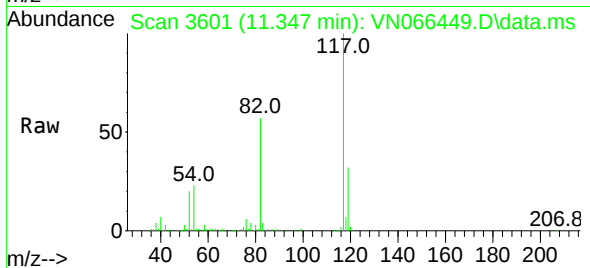
Tgt Ion: 95 Resp: 240649
Ion Ratio Lower Upper
95 100
174 89.5 0.0 172.2
176 85.0 0.0 167.8



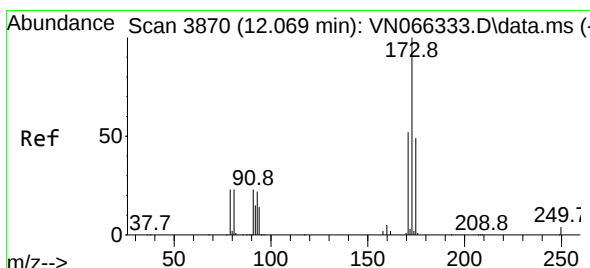
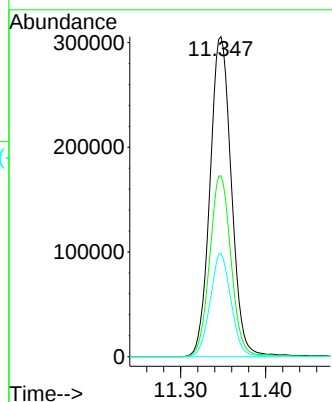
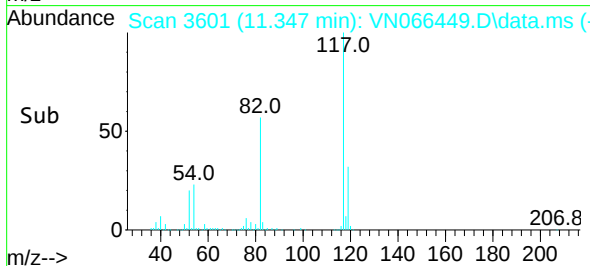


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.000 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

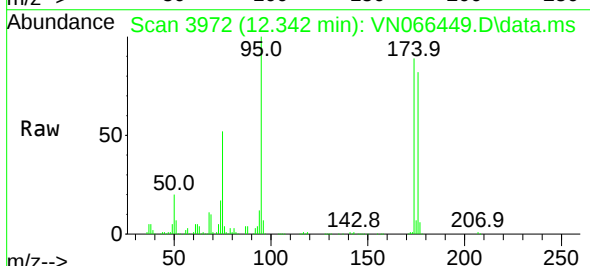
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01



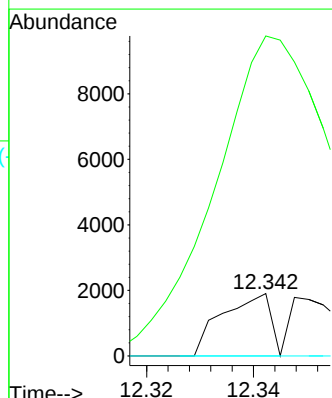
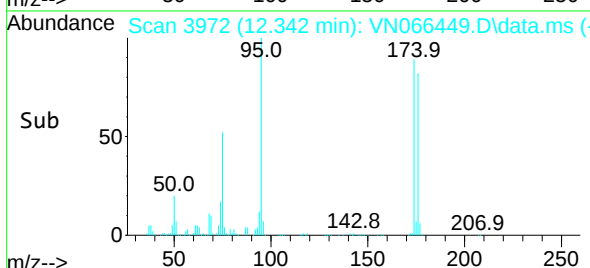
Tgt Ion:117 Resp: 535125
Ion Ratio Lower Upper
117 100
82 56.6 44.2 66.4
119 32.3 25.8 38.6

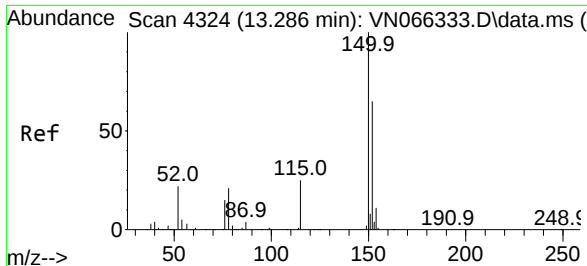


#71
Bromoform
Concen: 0.35 ug/l
RT: 12.342 min Scan# 3972
Delta R.T. 0.273 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31



Tgt Ion:173 Resp: 1195
Ion Ratio Lower Upper
173 100
175 1207.7 24.3 72.8#
254 0.0 0.0 0.0

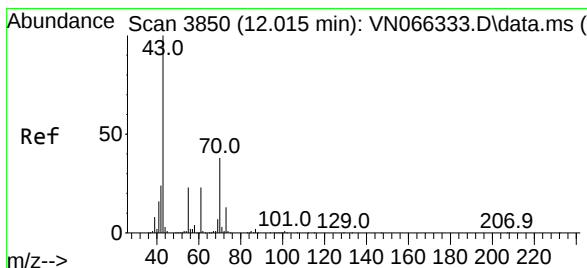
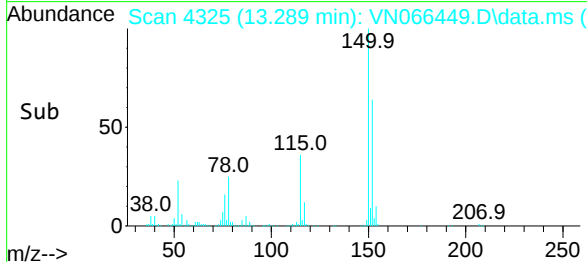
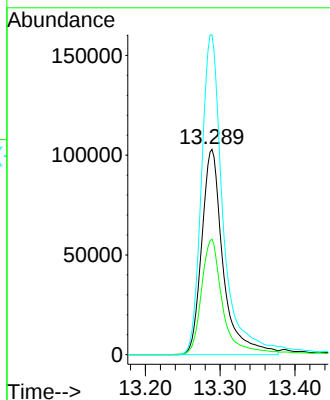
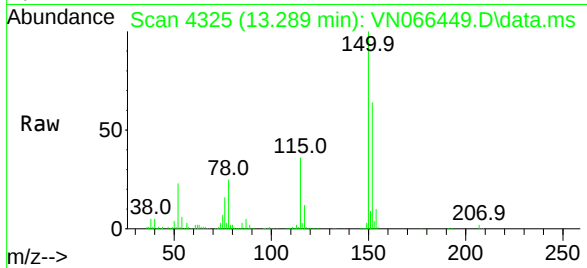




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.005 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

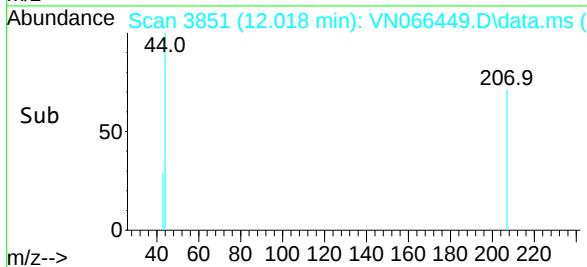
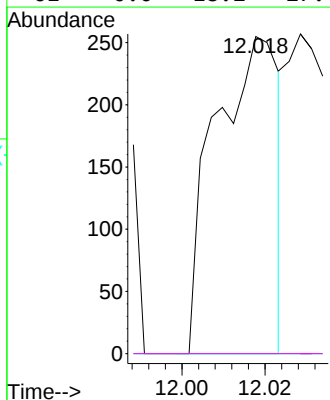
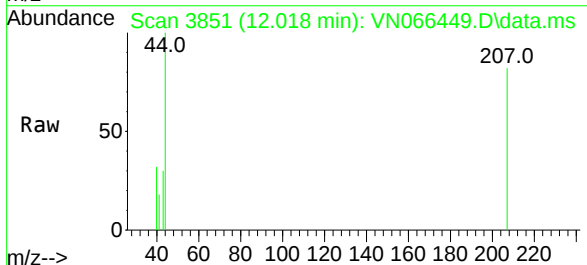
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

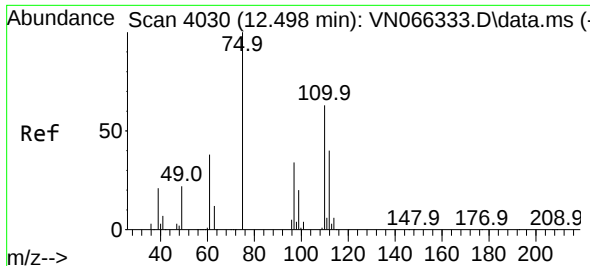
Tgt Ion:152 Resp: 205674
Ion Ratio Lower Upper
152 100
115 56.0 27.8 83.4
150 160.7 0.0 348.4



#74
N-ethyl acetate
Concen: 3.24 ug/l
RT: 12.018 min Scan# 3851
Delta R.T. 0.003 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

Tgt Ion: 43 Resp: 270
Ion Ratio Lower Upper
43 100
70 0.0 31.2 46.8#
55 0.0 18.6 28.0#
61 0.0 18.2 27.4#

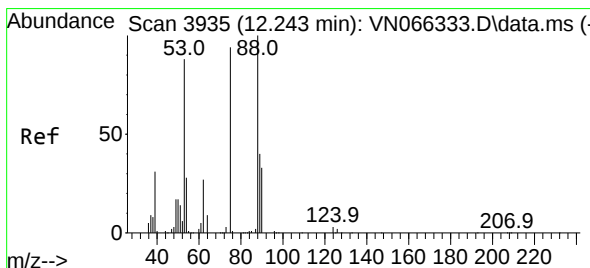
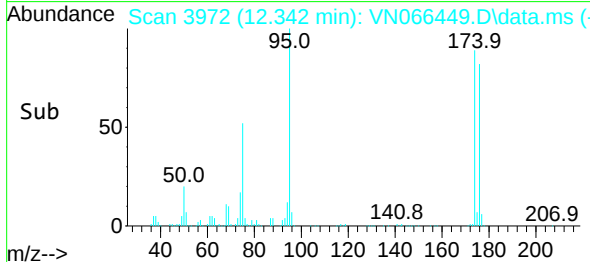
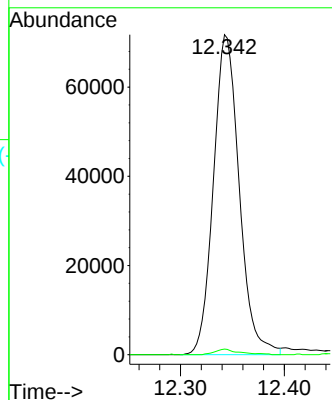
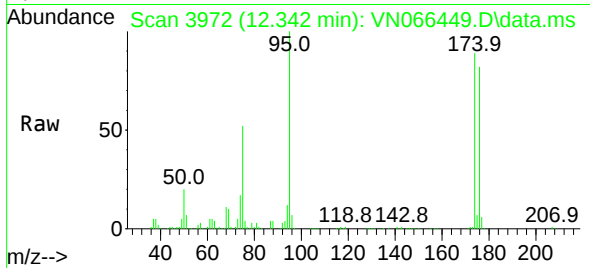




#76
1,2,3-Trichloropropane
Concen: 27.46 ug/l
RT: 12.342 min Scan# 3972
Delta R.T. -0.153 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

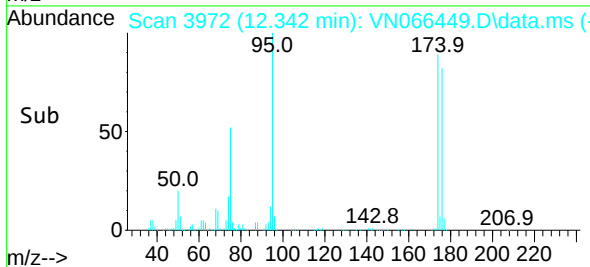
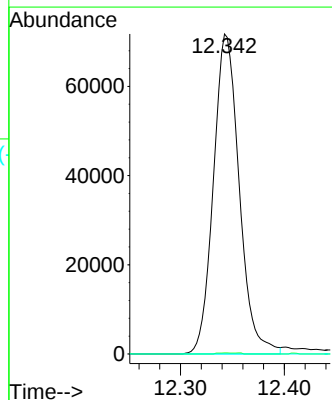
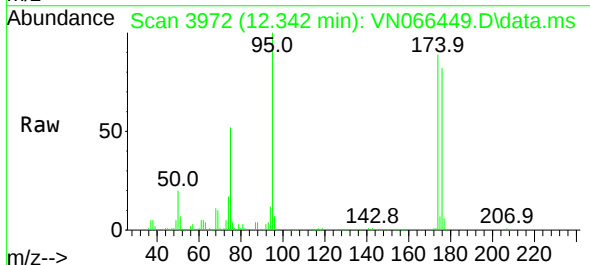
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

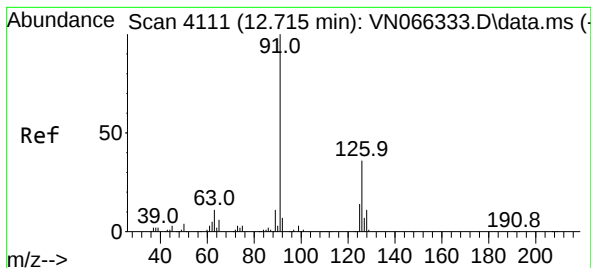
Tgt Ion: 75 Resp: 123934
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.58 ug/l
RT: 12.342 min Scan# 3972
Delta R.T. 0.099 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

Tgt Ion: 75 Resp: 123934
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.0 35.7 53.5#

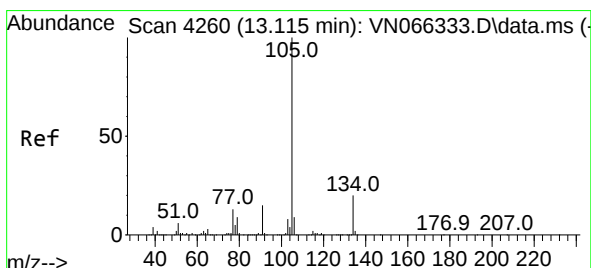
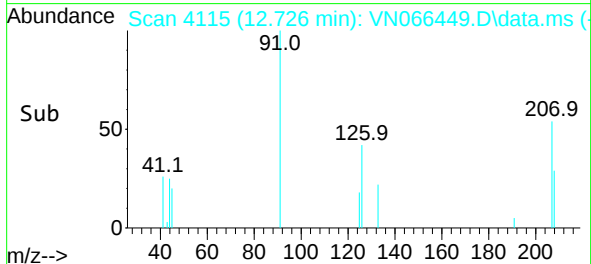
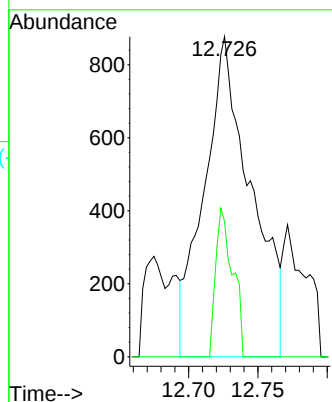
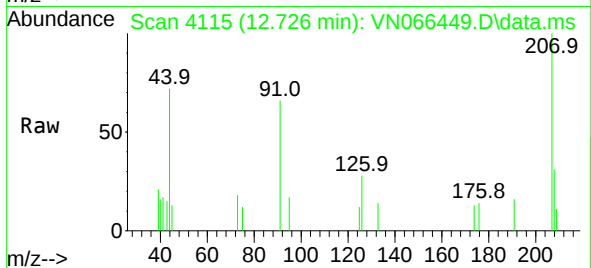




#82
4-Chlorotoluene
Concen: 0.20 ug/l
RT: 12.726 min Scan# 4115
Delta R.T. 0.011 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

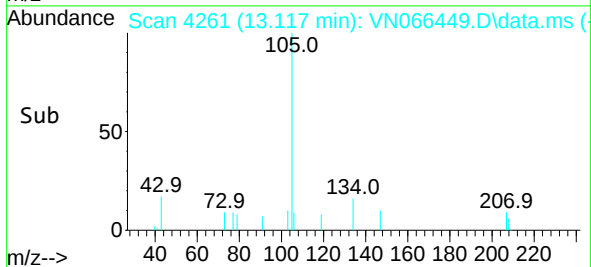
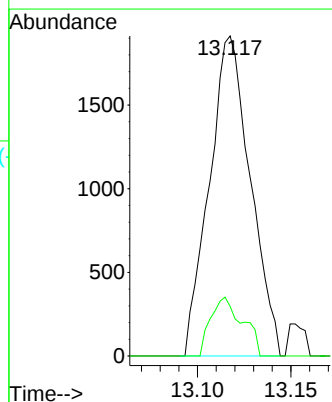
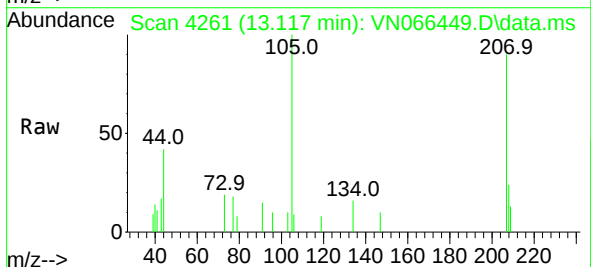
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

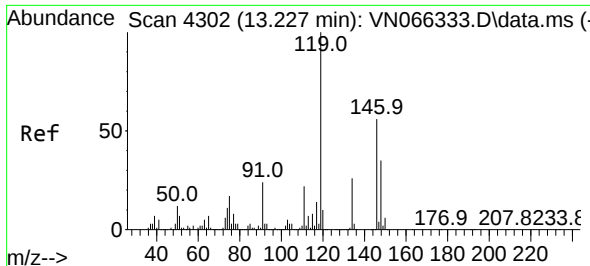
Tgt Ion: 91 Resp: 2058
Ion Ratio Lower Upper
91 100
126 16.9 16.6 49.8



#85
sec-Butylbenzene
Concen: 0.21 ug/l
RT: 13.117 min Scan# 4261
Delta R.T. 0.003 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

Tgt Ion: 105 Resp: 2922
Ion Ratio Lower Upper
105 100
134 14.3 9.9 29.7

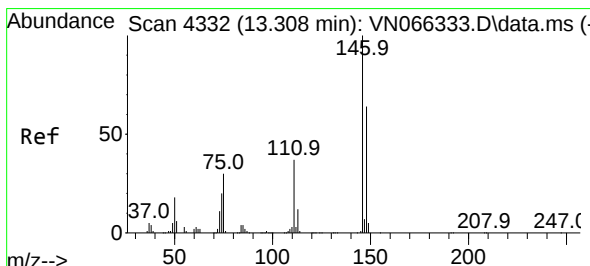
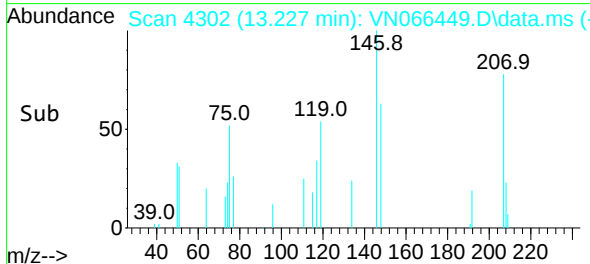
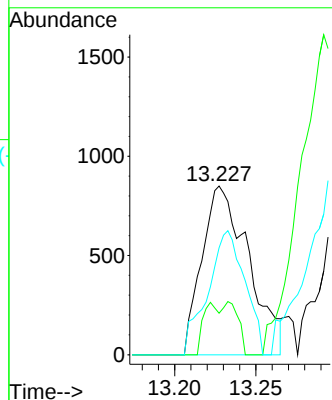
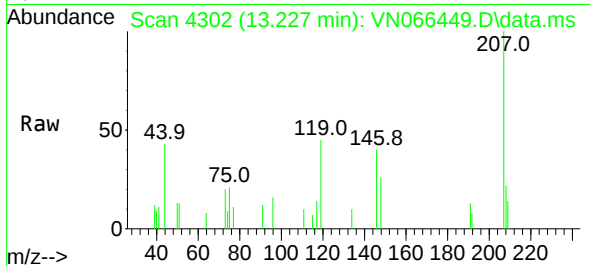




#87
1,3-Dichlorobenzene
Concen: 0.26 ug/l
RT: 13.227 min Scan# 4302
Delta R.T. 0.003 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

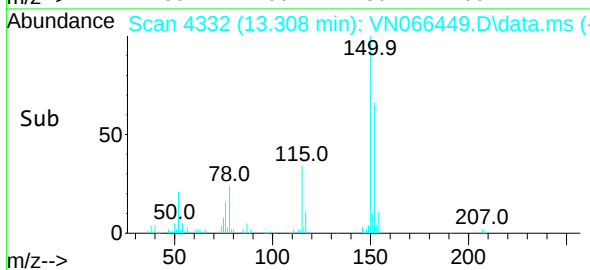
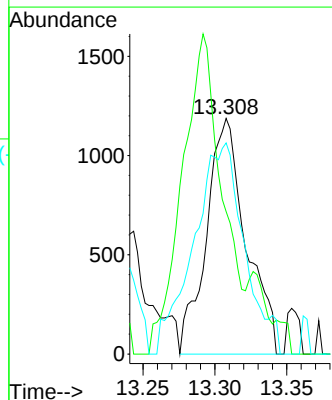
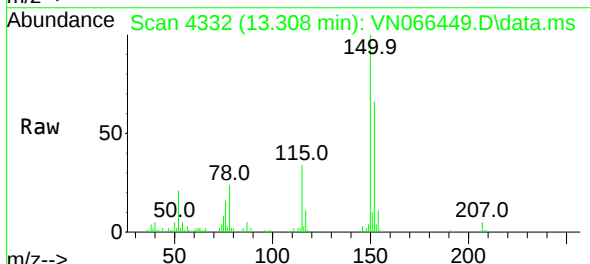
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

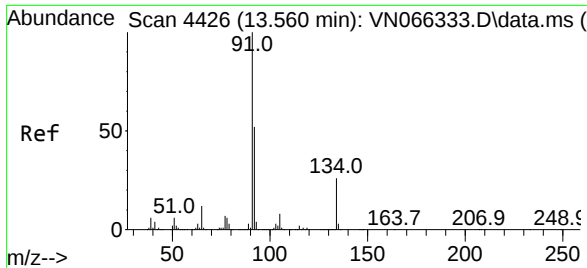
Tgt Ion:146 Resp: 1697
Ion Ratio Lower Upper
146 100
111 10.5 19.4 58.1#
148 58.5 31.8 95.4



#88
1,4-Dichlorobenzene
Concen: 0.34 ug/l
RT: 13.308 min Scan# 4332
Delta R.T. 0.003 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

Tgt Ion:146 Resp: 2274
Ion Ratio Lower Upper
146 100
111 137.6 18.3 54.9#
148 114.4 31.9 95.9#

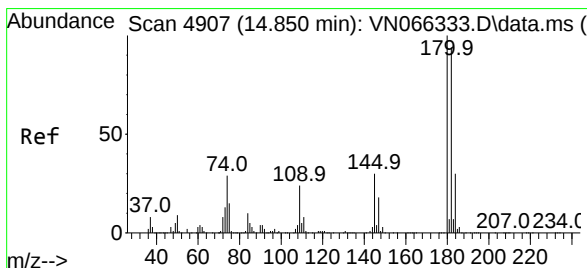
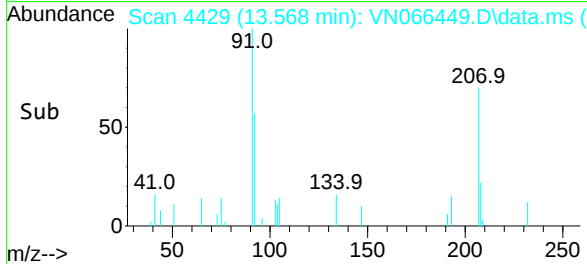
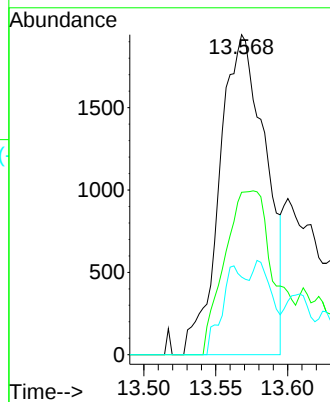
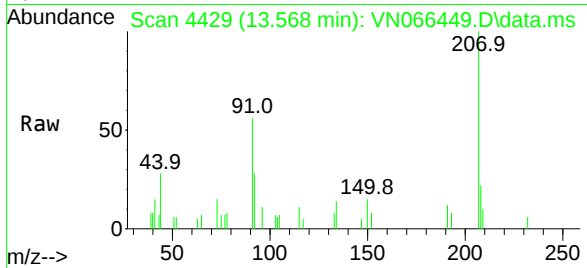




#89
n-Butylbenzene
Concen: 0.42 ug/l
RT: 13.568 min Scan# 4429
Delta R.T. 0.011 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

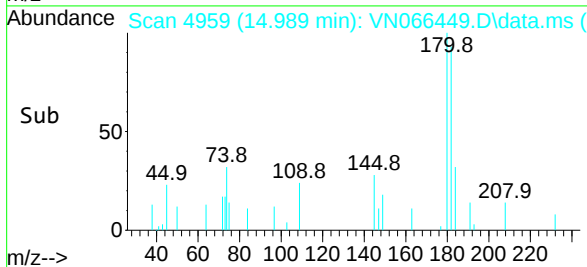
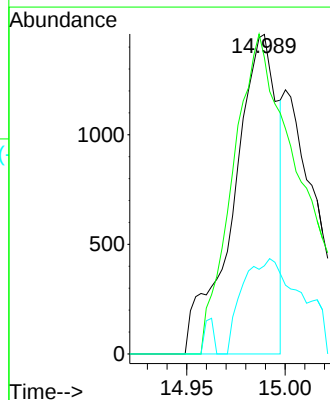
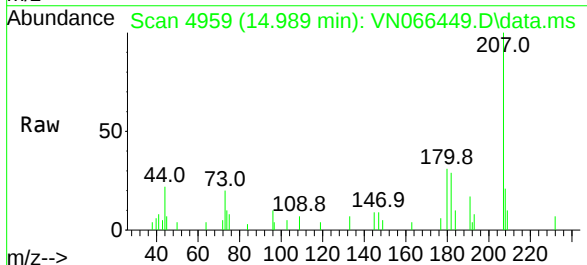
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

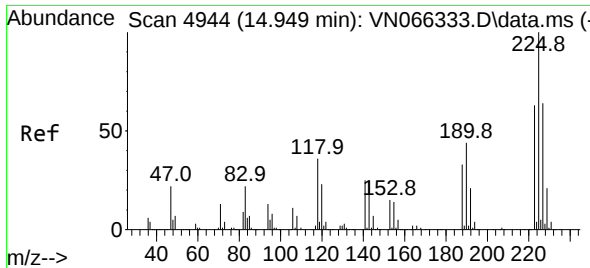
Tgt Ion: 91 Resp: 4325
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 15.3 12.8 38.4



#93
1,2,4-Trichlorobenzene
Concen: 0.57 ug/l
RT: 14.989 min Scan# 4959
Delta R.T. 0.011 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

Tgt Ion: 180 Resp: 2271
Ion Ratio Lower Upper
180 100
182 154.4 47.4 142.3#
145 39.9 14.2 42.8

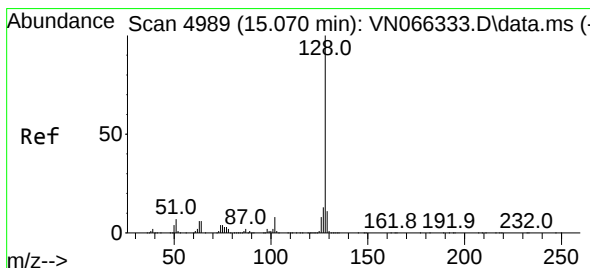
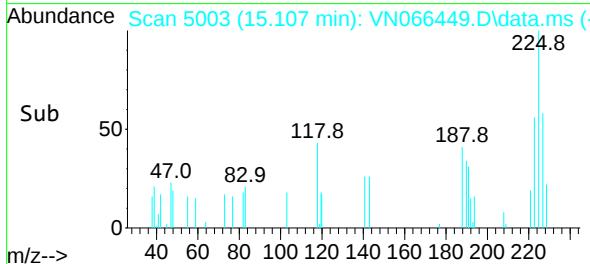
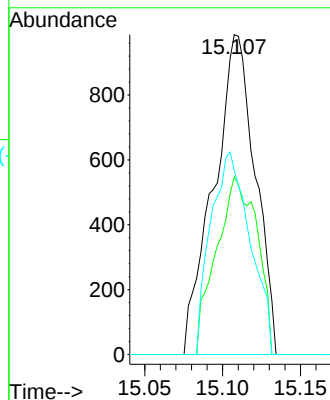
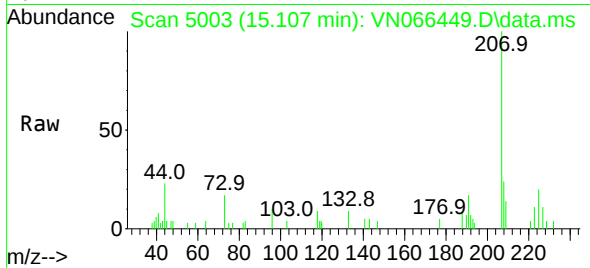




#94
Hexachlorobutadiene
Concen: 0.85 ug/l
RT: 15.107 min Scan# 5003
Delta R.T. 0.003 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

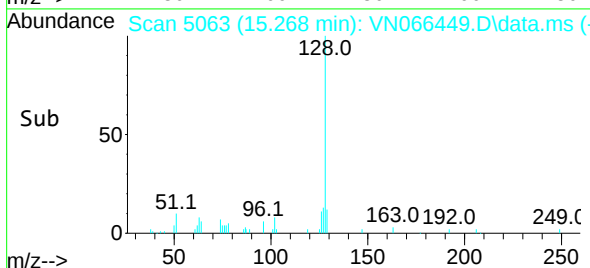
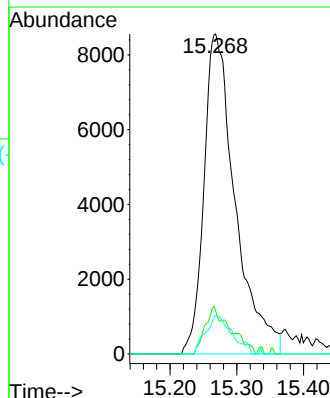
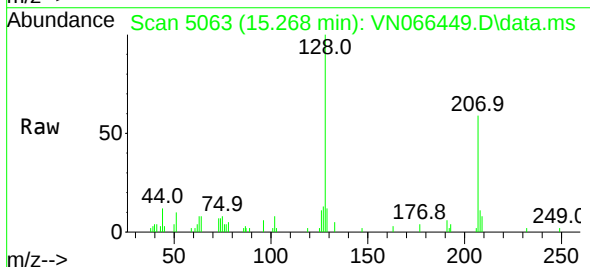
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

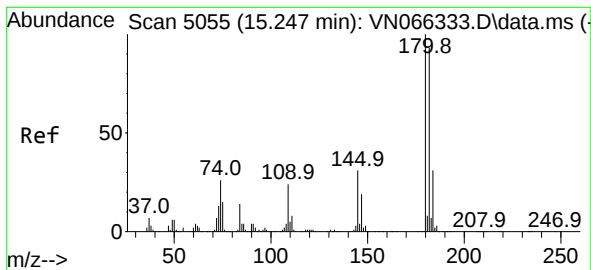
Tgt Ion:225 Resp: 1829
Ion Ratio Lower Upper
225 100
223 54.6 31.1 93.5
227 59.8 32.1 96.3



#95
Naphthalene
Concen: 3.40 ug/l
RT: 15.268 min Scan# 5063
Delta R.T. 0.008 min
Lab File: VN066449.D
Acq: 1 Apr 2021 12:31

Tgt Ion:128 Resp: 27798
Ion Ratio Lower Upper
128 100
127 6.7 10.5 15.7#
129 9.6 8.5 12.7





#96
 1,2,3-Trichlorobenzene
 Concen: 1.15 ug/l
 RT: 15.504 min Scan# 5151
 Delta R.T. 0.008 min
 Lab File: VN066449.D
 Acq: 1 Apr 2021 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBL01

Tgt Ion:180 Resp: 4580
 Ion Ratio Lower Upper
 180 100
 182 86.5 47.6 142.9
 145 27.5 15.4 46.1

