

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042921\
 Data File : VN066883.D
 Acq On : 30 Apr 2021 00:28
 Operator : JC/MD
 Sample : M2137-24
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 30 06:18:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 27 16:02:50 2021
 Response via : Initial Calibration

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

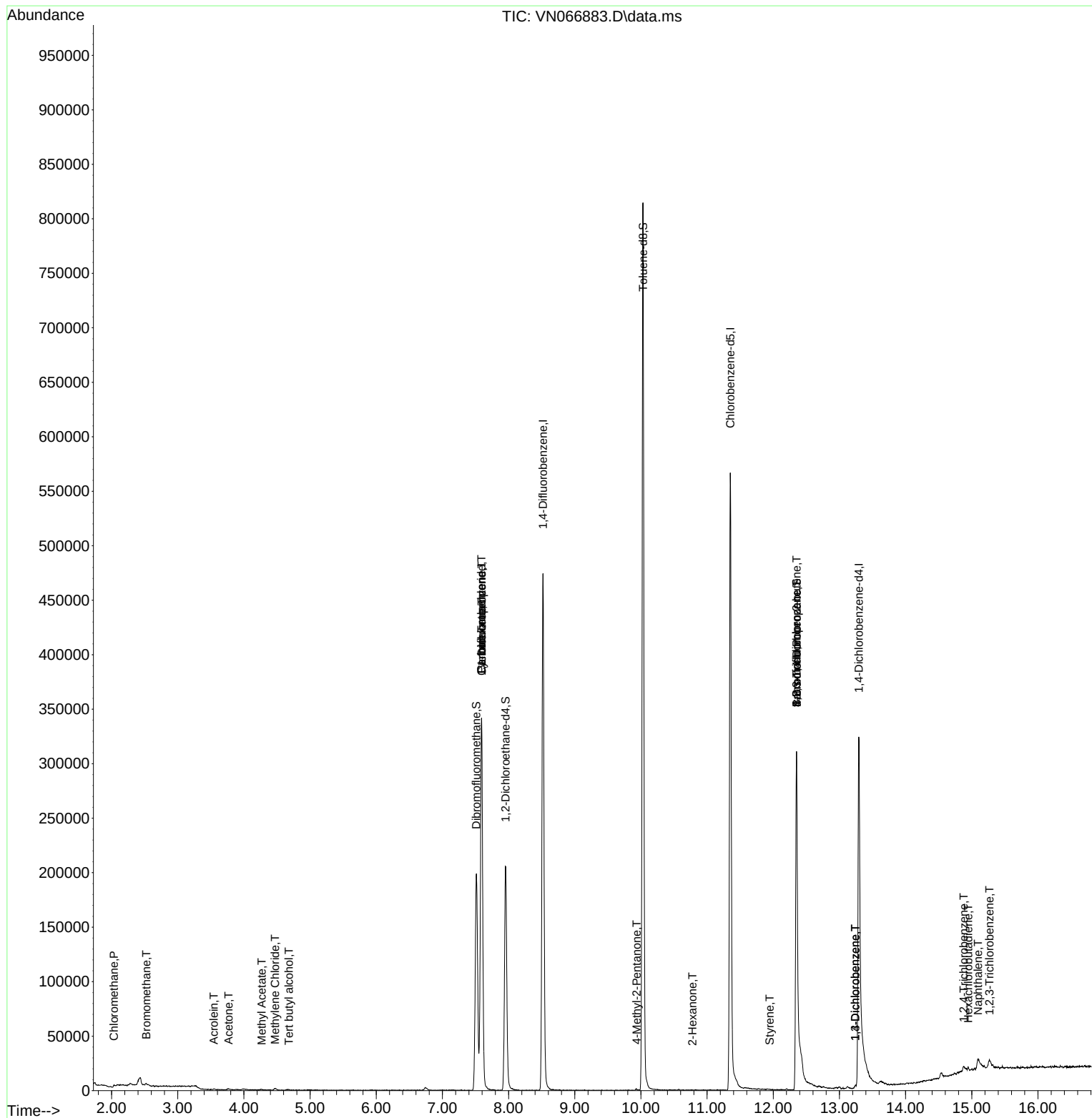
Internal Standards						
1) Pentafluorobenzene	7.591	168	307130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	458072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.351	117	395918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.293	152	156579	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	176076	44.62	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.24%		
35) Dibromofluoromethane	7.513	113	159617	56.45	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	112.90%		
50) Toluene-d8	10.032	98	590137	53.17	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.34%		
62) 4-Bromofluorobenzene	12.351	95	162571	43.29	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	86.58%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.034	50	1045	0.24	ug/l #	85
5) Bromomethane	2.525	94	680	0.24	ug/l #	73
11) Tert butyl alcohol	4.678	59	209	0.34	ug/l #	73
13) Acrolein	3.544	56	284	0.56	ug/l #	38
16) Acetone	3.766	43	1524	1.02	ug/l #	41
18) Methyl Acetate	4.268	43	423	1.22	ug/l #	64
20) Methylene Chloride	4.472	84	1272	0.34	ug/l #	67
31) Cyclohexane	7.594	56	4695	0.77	ug/l #	1
36) 1,1-Dichloropropene	7.594	75	19474	4.58	ug/l #	48
38) Carbon Tetrachloride	7.591	117	25771	6.31	ug/l #	17
51) 4-Methyl-2-Pentanone	9.935	43	1302	0.33	ug/l #	65
59) 2-Hexanone	10.777	43	87	19.57	ug/l #	23
70) Styrene	11.946	104	331	3.08	ug/l #	26
71) Bromoform	12.351	173	820	0.38	ug/l #	1
76) 1,2,3-Trichloropropane	12.351	75	71121	21.55	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.351	75	71121	58.76	ug/l #	12
87) 1,3-Dichlorobenzene	13.236	146	1259	0.26	ug/l	81
88) 1,4-Dichlorobenzene	13.236	146	1259	0.25	ug/l	82
93) 1,2,4-Trichlorobenzene	14.878	180	2483	0.92	ug/l	66
94) Hexachlorobutadiene	14.948	225	518	0.35	ug/l	93
95) Naphthalene	15.092	128	18421	2.65	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.267	180	5626	2.15	ug/l #	91

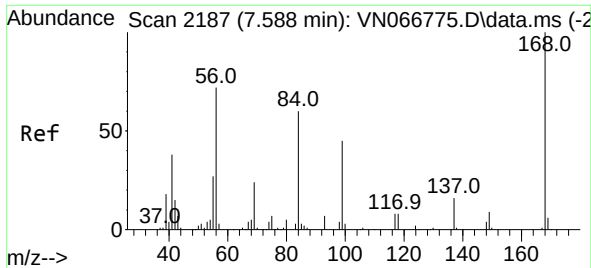
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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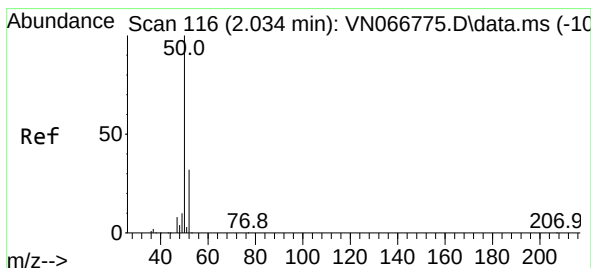
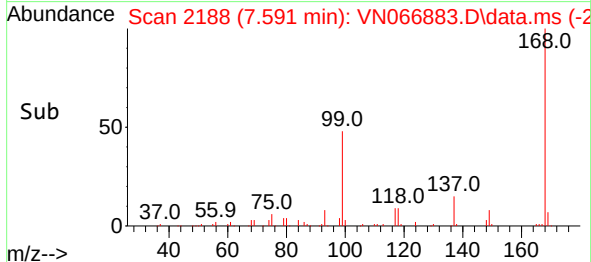
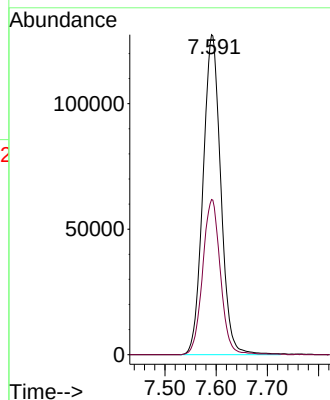
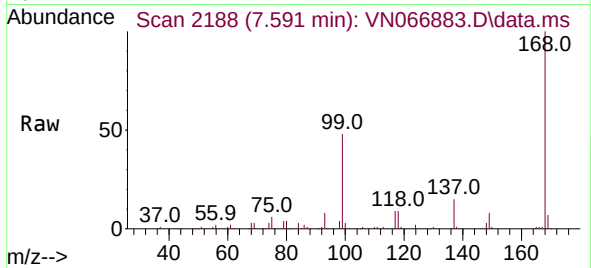




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28

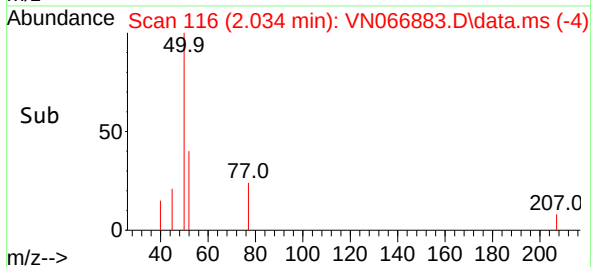
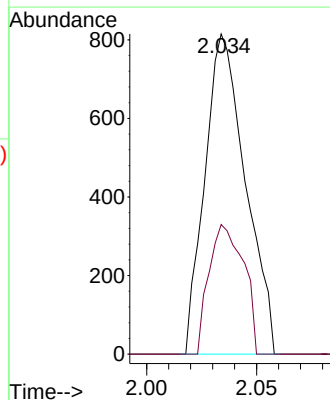
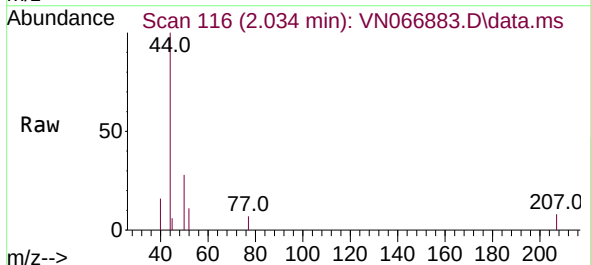
Instrument :
MSVOA_N
ClientSampled :

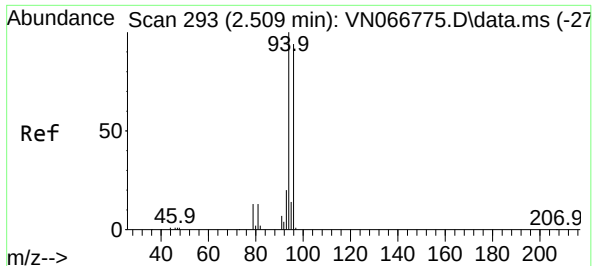
Tgt Ion:168 Resp: 307130
Ion Ratio Lower Upper
168 100
99 48.5 42.6 63.8



#3
Chloromethane
Concen: 0.24 ug/l
RT: 2.034 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28

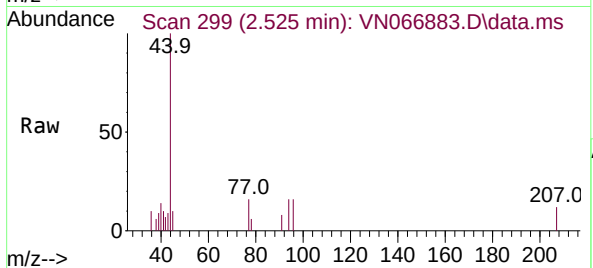
Tgt Ion: 50 Resp: 1045
Ion Ratio Lower Upper
50 100
52 40.5 25.8 38.8#



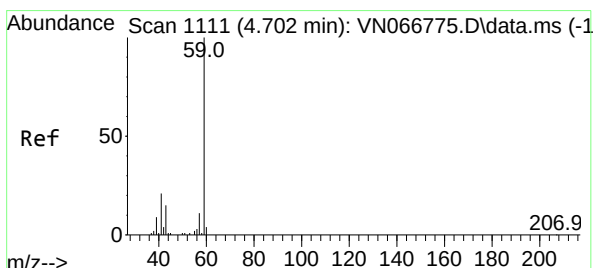
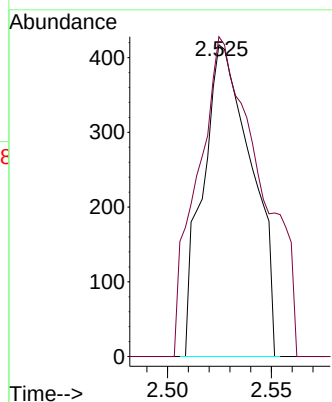
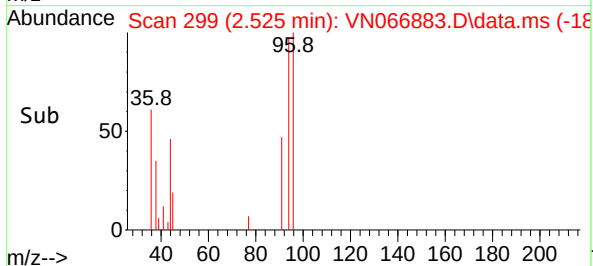


#5
Bromomethane
Concen: 0.24 ug/l
RT: 2.525 min Scan# 299
Delta R.T. 0.016 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28

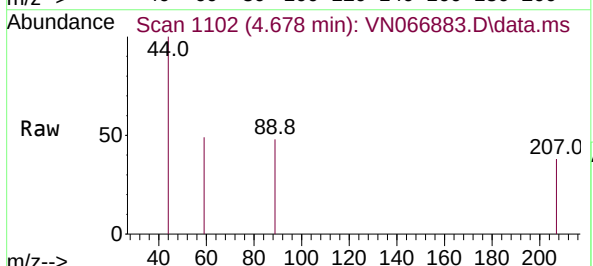
Instrument :
MSVOA_N
ClientSampled :



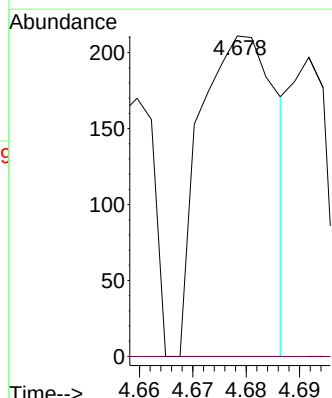
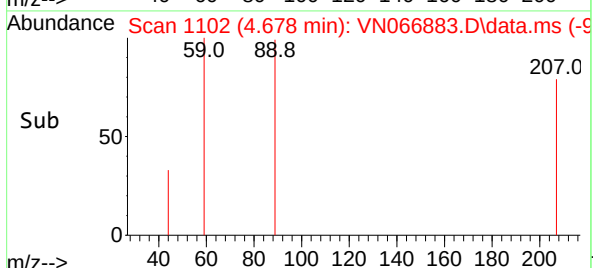
Tgt Ion: 94 Resp: 680
Ion Ratio Lower Upper
94 100
96 65.7 73.0 109.4#

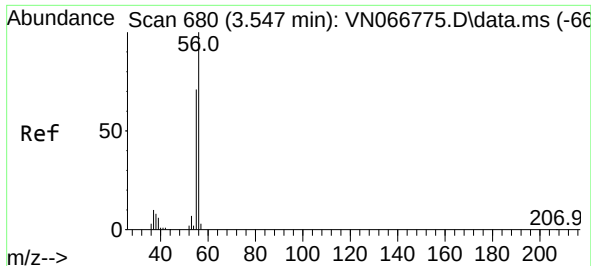


#11
Tert butyl alcohol
Concen: 0.34 ug/l
RT: 4.678 min Scan# 1102
Delta R.T. -0.024 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28



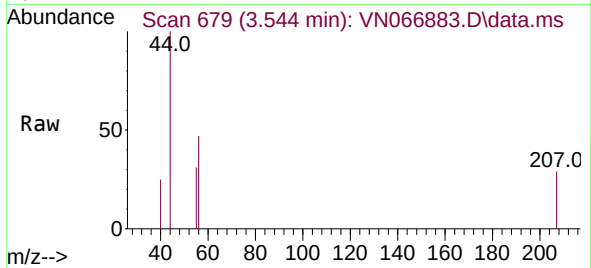
Tgt Ion: 59 Resp: 209
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



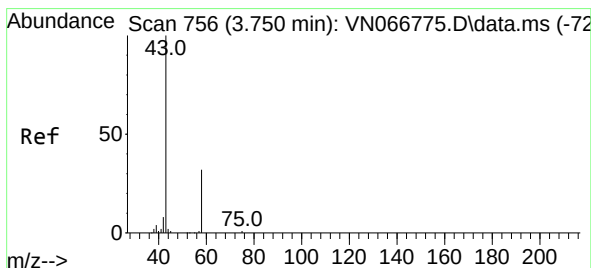
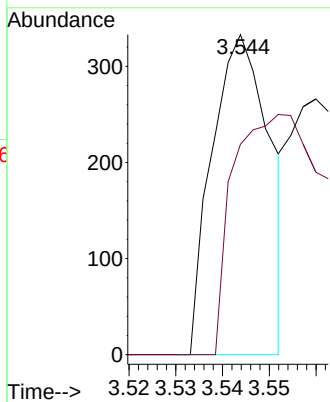
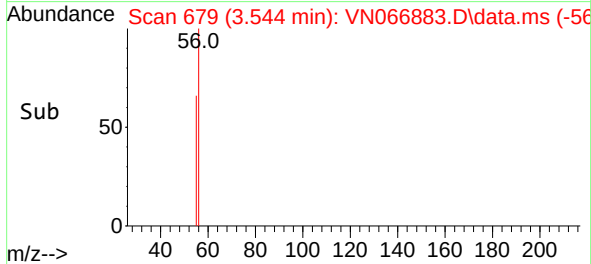


#13
Acrolein
Concen: 0.56 ug/l
RT: 3.544 min Scan# 679
Delta R.T. -0.003 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28

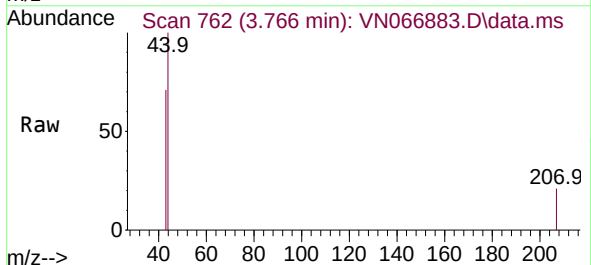
Instrument :
MSVOA_N
ClientSampled :



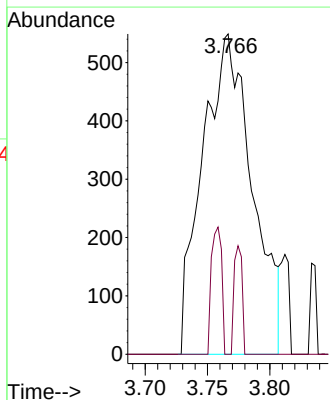
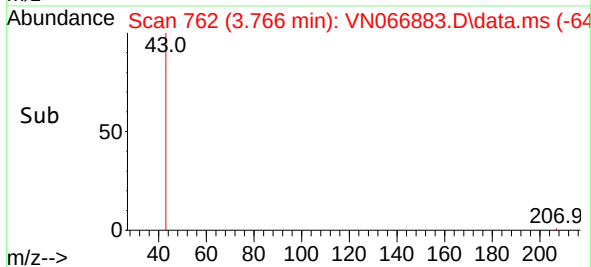
Tgt Ion: 56 Resp: 284
Ion Ratio Lower Upper
56 100
55 120.8 56.0 84.0#

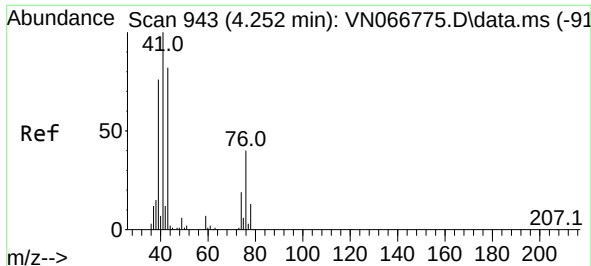


#16
Acetone
Concen: 1.02 ug/l
RT: 3.766 min Scan# 762
Delta R.T. 0.016 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28



Tgt Ion: 43 Resp: 1524
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.6#





#18

Methyl Acetate

Concen: 1.22 ug/l

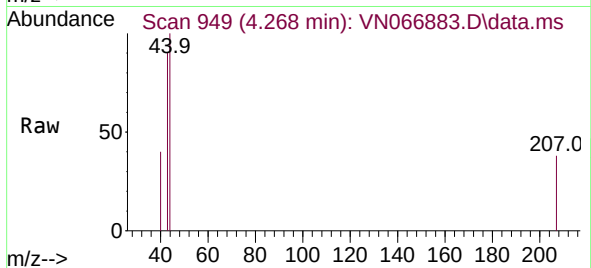
RT: 4.268 min Scan# 949

Delta R.T. 0.016 min

Lab File: VN066883.D

Acq: 30 Apr 2021 00:28

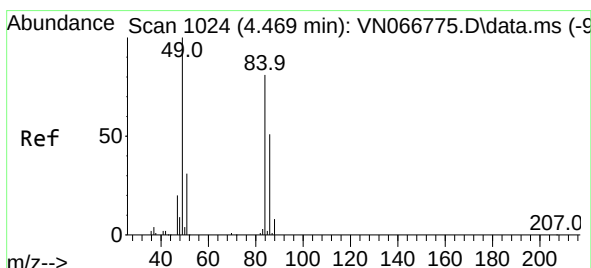
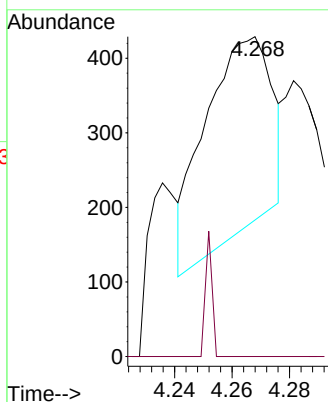
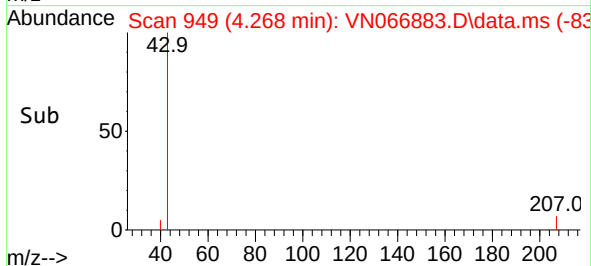
Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 43 Resp: 423

Ion Ratio Lower Upper

43	100		
74	6.4	19.5	29.3#



#20

Methylene Chloride

Concen: 0.34 ug/l

RT: 4.472 min Scan# 1025

Delta R.T. 0.003 min

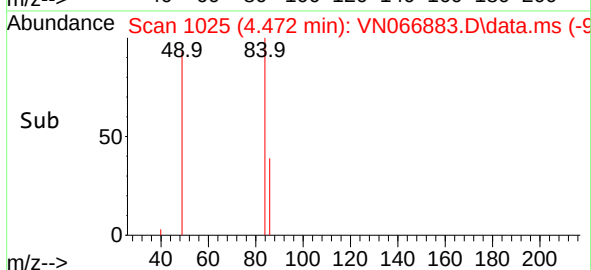
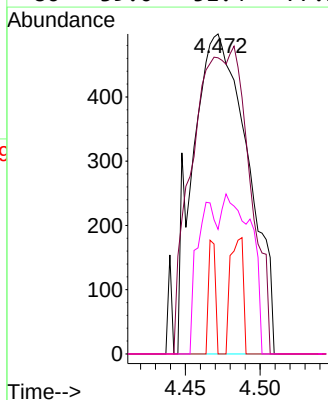
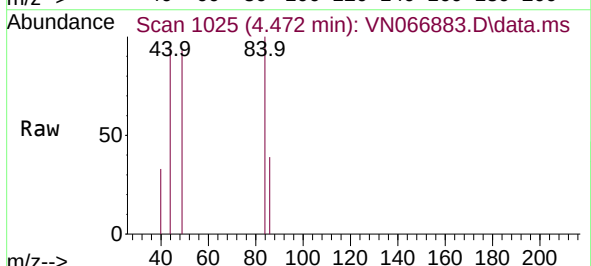
Lab File: VN066883.D

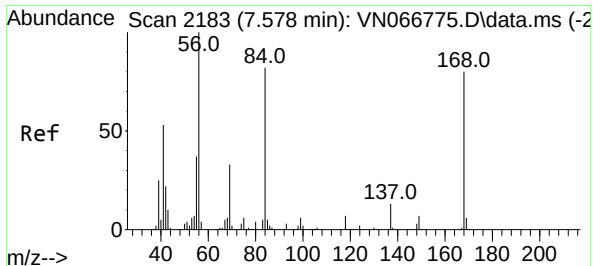
Acq: 30 Apr 2021 00:28

Tgt Ion: 84 Resp: 1272

Ion Ratio Lower Upper

84	100		
49	92.6	94.6	141.8#
51	0.0	29.9	44.9#
86	39.0	51.4	77.2#

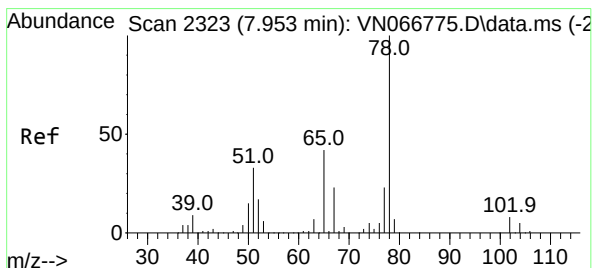
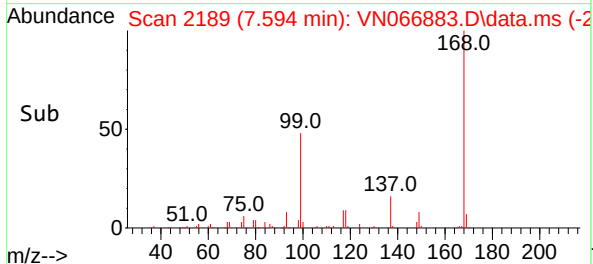
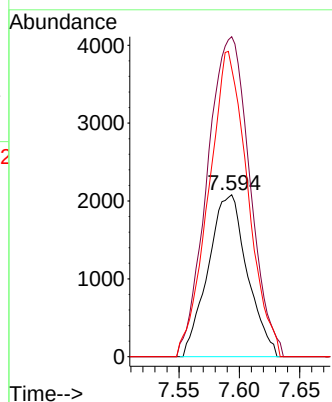
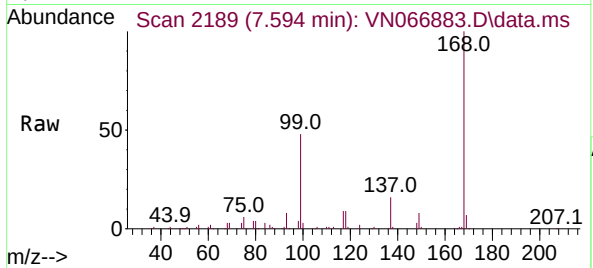




#31
Cyclohexane
Concen: 0.77 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. 0.016 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28

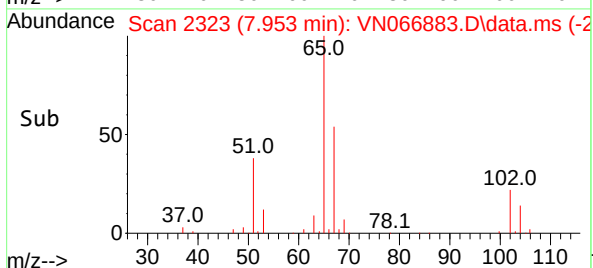
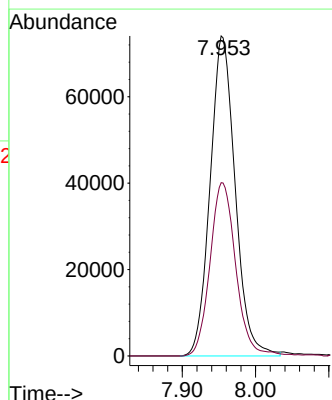
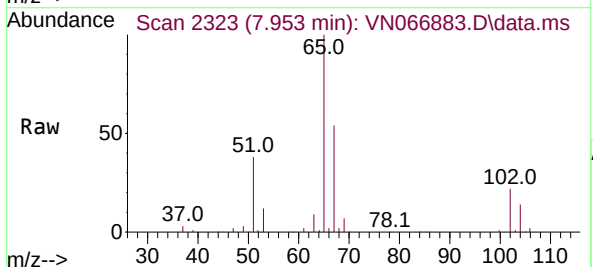
Instrument :
MSVOA_N
ClientSampleId :

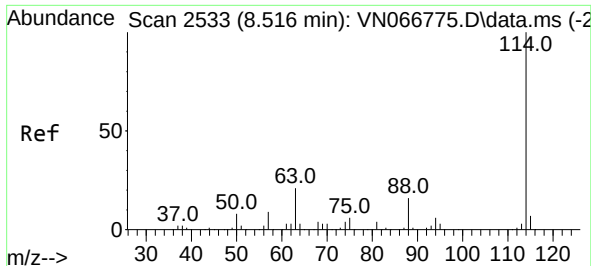
Tgt Ion: 56 Resp: 4695
Ion Ratio Lower Upper
56 100
69 189.6 26.6 39.8#
84 177.9 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 44.62 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28

Tgt Ion: 65 Resp: 176076
Ion Ratio Lower Upper
65 100
67 55.8 0.0 107.2

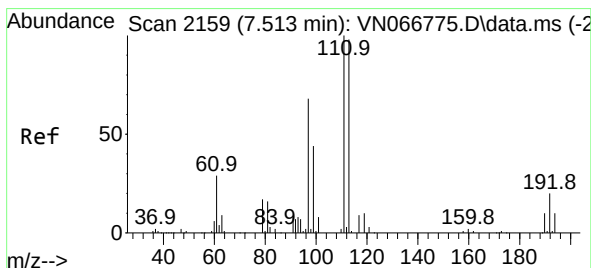
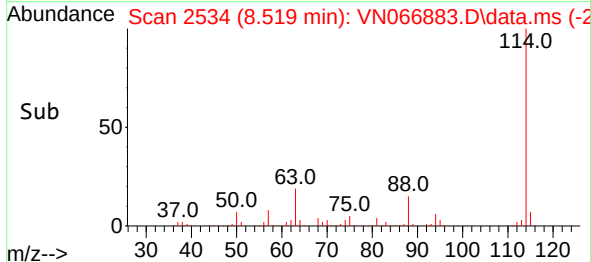
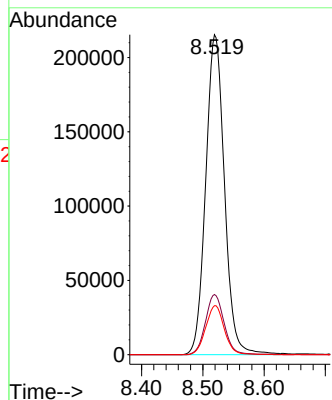
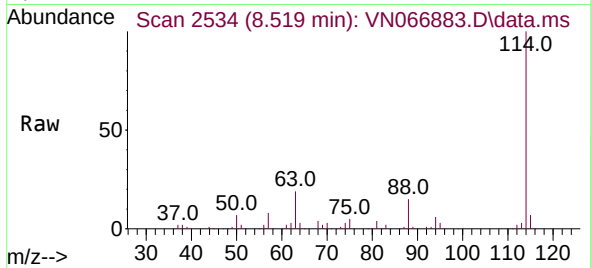




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. 0.003 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28

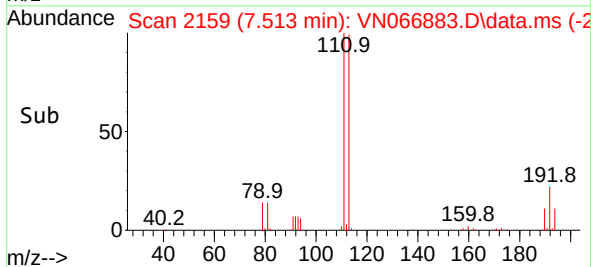
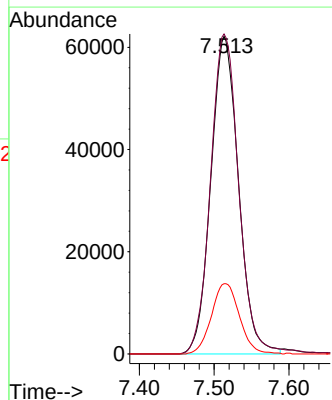
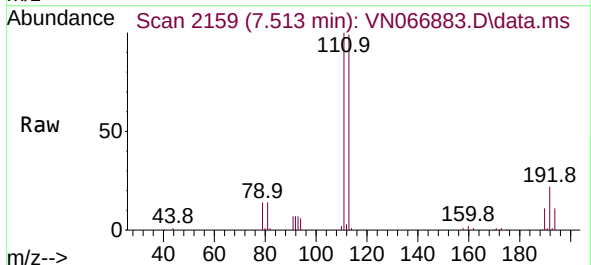
Instrument :
MSVOA_N
ClientSampled :

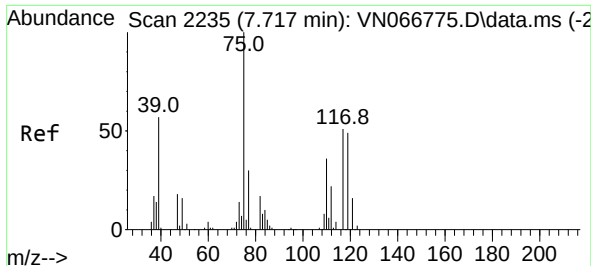
Tgt Ion:114 Resp: 458072
Ion Ratio Lower Upper
114 100
63 18.8 0.0 38.6
88 15.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 56.45 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28

Tgt Ion:113 Resp: 159617
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 22.5 15.4 23.0

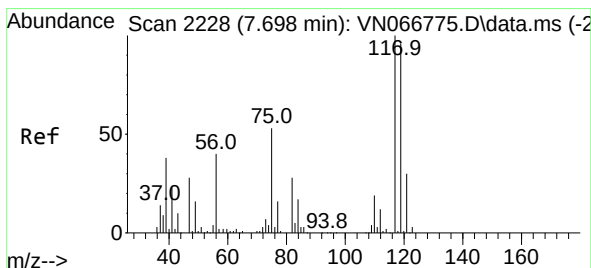
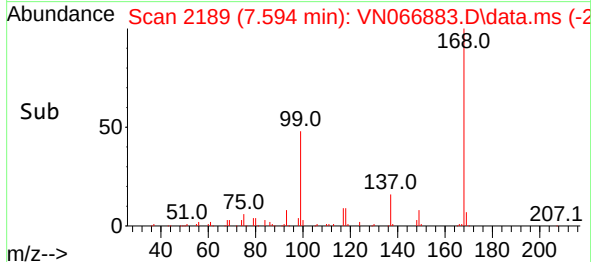
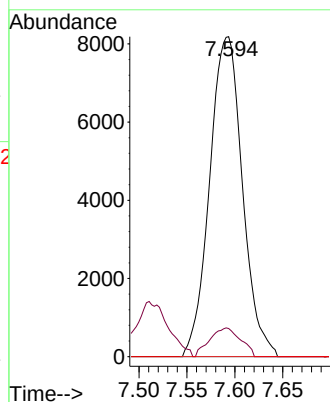
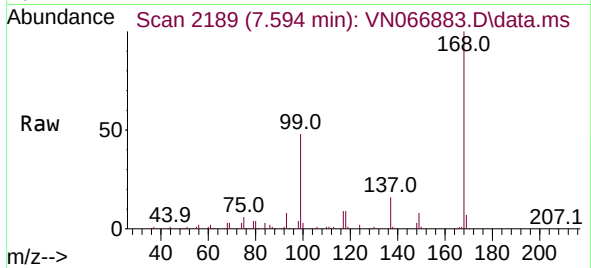




#36
 1,1-Dichloropropene
 Concen: 4.58 ug/l
 RT: 7.594 min Scan# 2189
 Delta R.T. -0.123 min
 Lab File: VN066883.D
 Acq: 30 Apr 2021 00:28

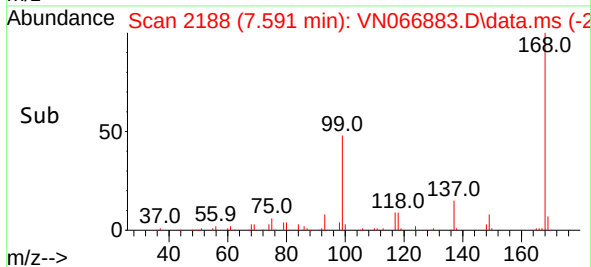
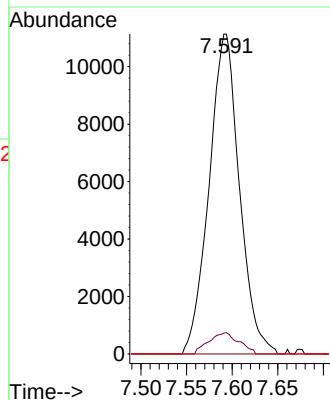
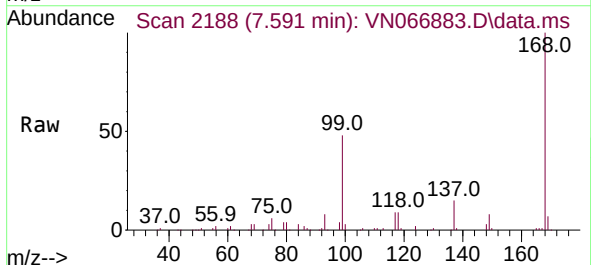
Instrument :
 MSVOA_N
 ClientSampled :

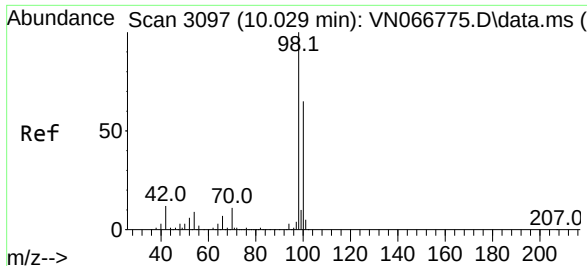
Tgt Ion: 75 Resp: 19474
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.2 54.6#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.31 ug/l
 RT: 7.591 min Scan# 2188
 Delta R.T. -0.107 min
 Lab File: VN066883.D
 Acq: 30 Apr 2021 00:28

Tgt Ion: 117 Resp: 25771
 Ion Ratio Lower Upper
 117 100
 119 6.5 76.0 114.0#
 121 0.0 24.5 36.7#

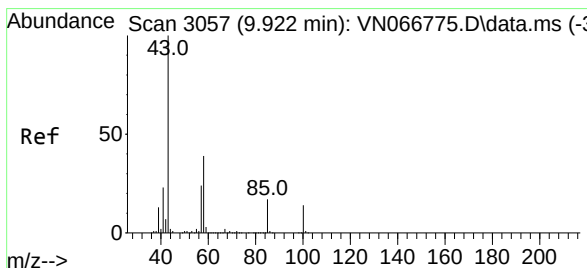
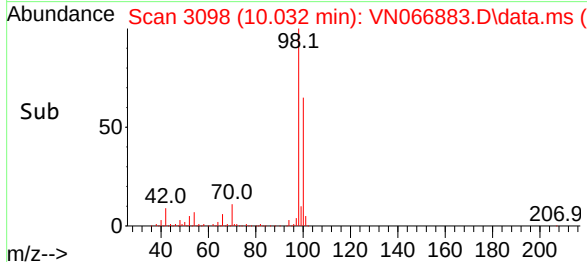
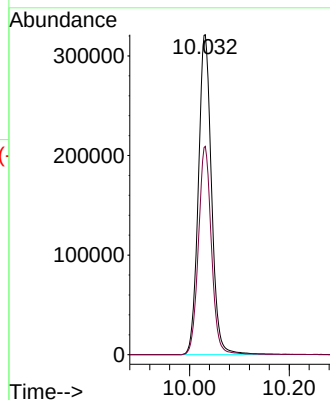
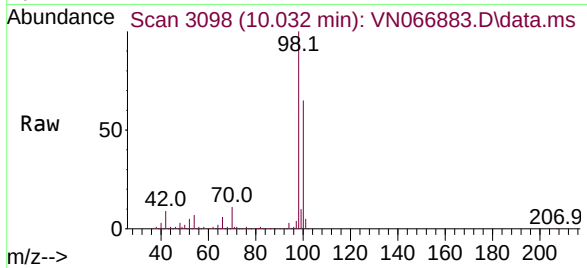




#50
Toluene-d8
Concen: 53.17 ug/l
RT: 10.032 min Scan# 3098
Delta R.T. 0.003 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28

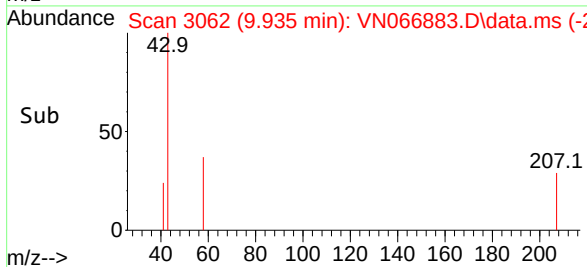
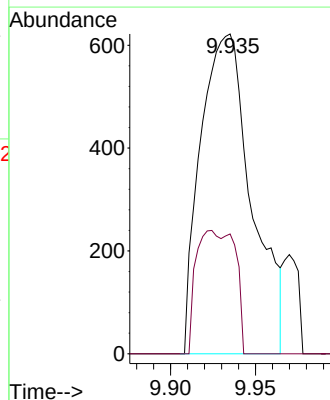
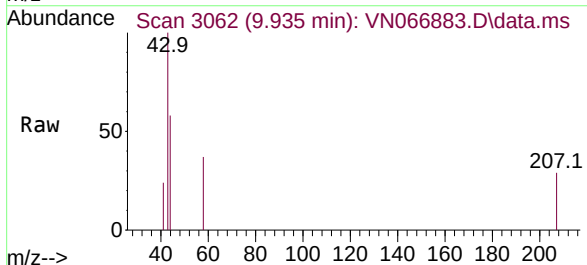
Instrument :
MSVOA_N
ClientSampled :

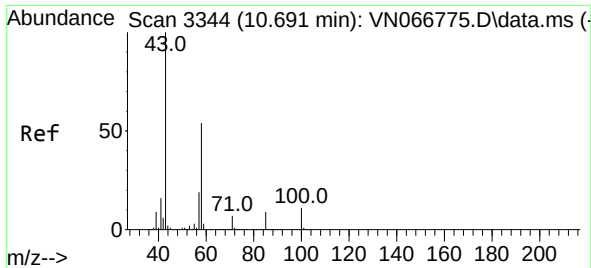
Tgt Ion: 98 Resp: 590137
Ion Ratio Lower Upper
98 100
100 64.4 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.33 ug/l
RT: 9.935 min Scan# 3062
Delta R.T. 0.013 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28

Tgt Ion: 43 Resp: 1302
Ion Ratio Lower Upper
43 100
58 18.9 32.5 48.7#

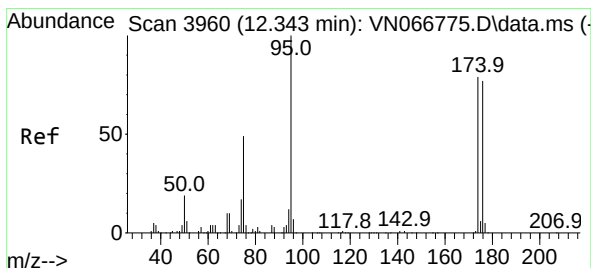
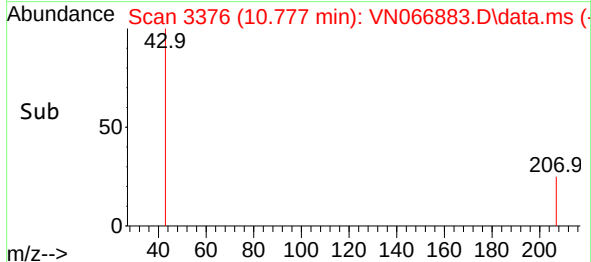
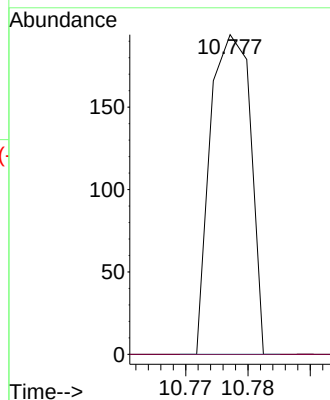
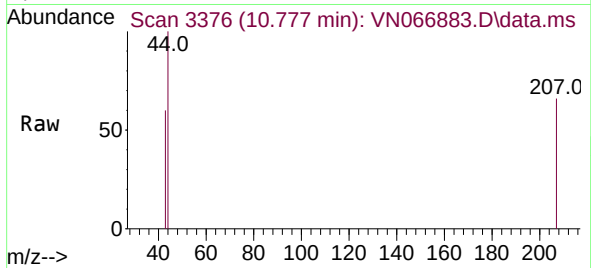




#59
2-Hexanone
Concen: 19.57 ug/l
RT: 10.777 min Scan# 3376
Delta R.T. 0.086 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28

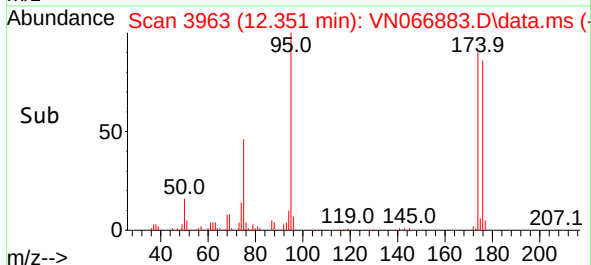
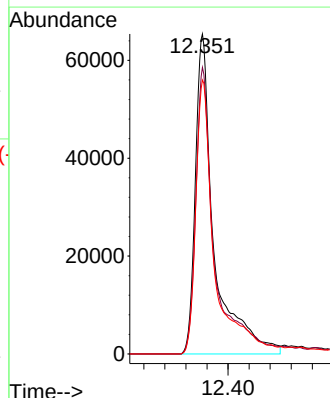
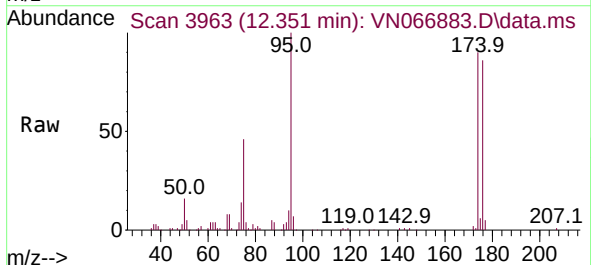
Instrument :
MSVOA_N
ClientSampled :

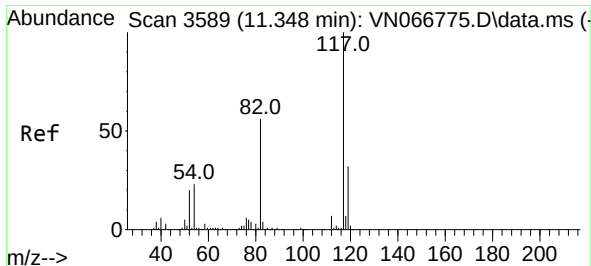
Tgt Ion: 43 Resp: 87
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 43.29 ug/l
RT: 12.351 min Scan# 3963
Delta R.T. 0.008 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28

Tgt Ion: 95 Resp: 162571
Ion Ratio Lower Upper
95 100
174 88.9 0.0 169.0
176 84.1 0.0 162.4

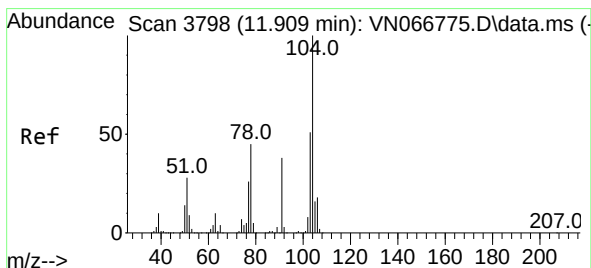
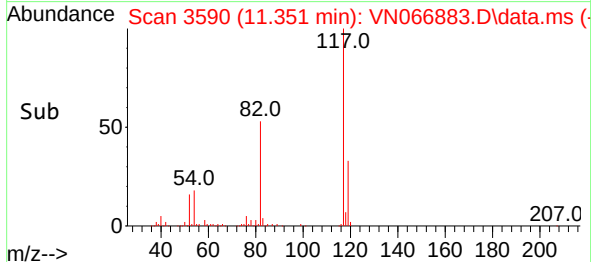
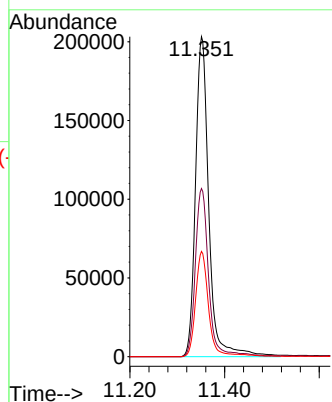
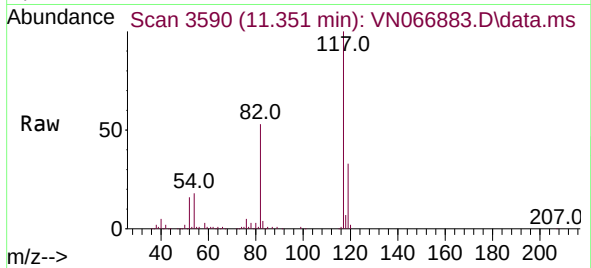




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.351 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28

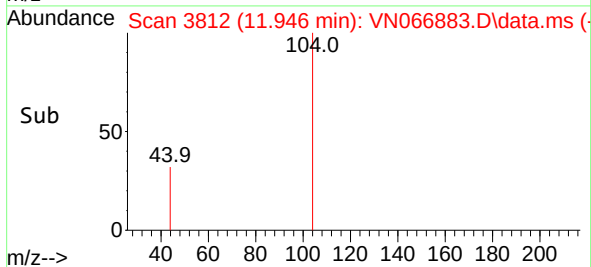
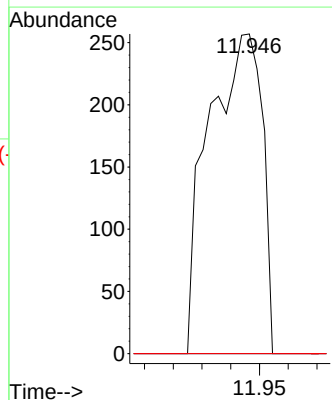
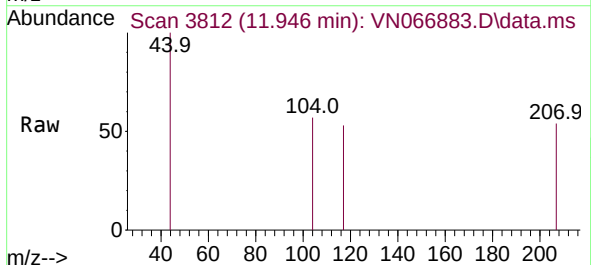
Instrument :
MSVOA_N
ClientSampled :

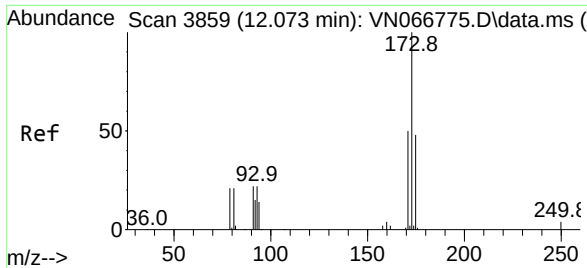
Tgt Ion:117 Resp: 395918
Ion Ratio Lower Upper
117 100
82 52.6 43.7 65.5
119 32.9 26.1 39.1



#70
Styrene
Concen: 3.08 ug/l
RT: 11.946 min Scan# 3812
Delta R.T. 0.037 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28

Tgt Ion:104 Resp: 331
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.4#
103 0.0 44.5 66.7#

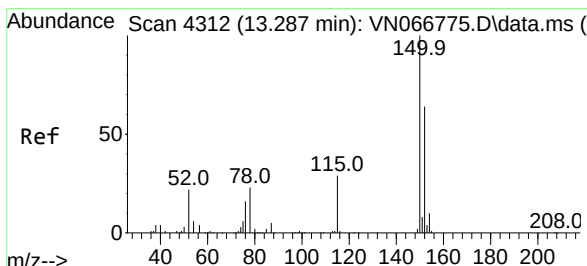
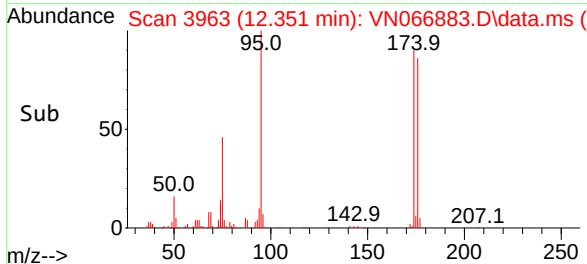
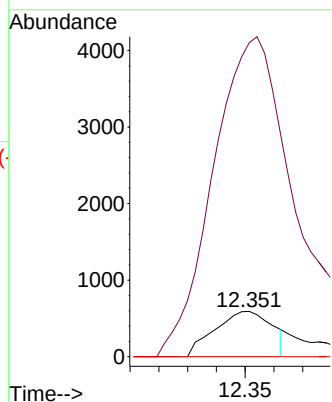
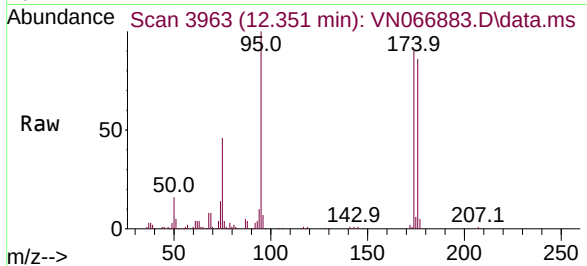




#71
Bromoform
Concen: 0.38 ug/l
RT: 12.351 min Scan# 3963
Delta R.T. 0.278 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28

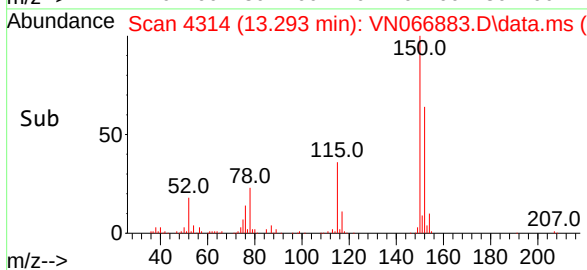
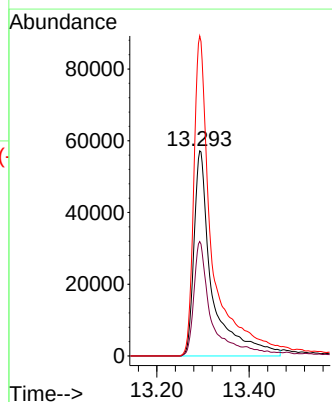
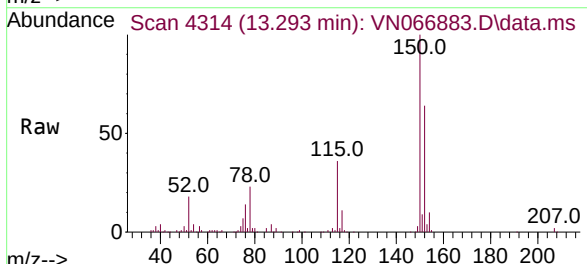
Instrument :
MSVOA_N
ClientSampleId :

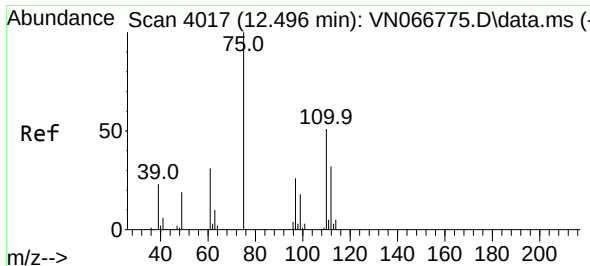
Tgt Ion:173 Resp: 820
Ion Ratio Lower Upper
173 100
175 768.4 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.293 min Scan# 4314
Delta R.T. 0.005 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28

Tgt Ion:152 Resp: 156579
Ion Ratio Lower Upper
152 100
115 49.8 28.5 85.6
150 159.5 0.0 347.6

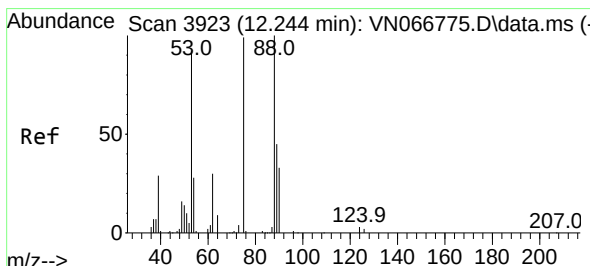
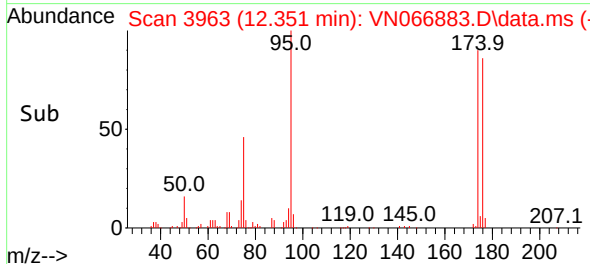
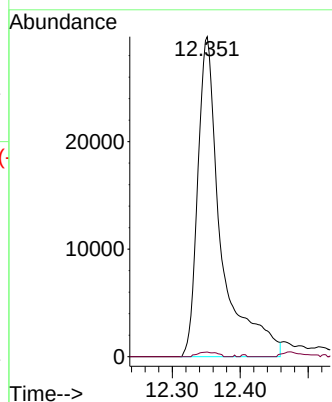
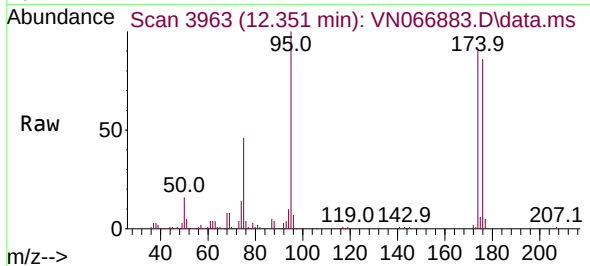




#76
1,2,3-Trichloropropane
Concen: 21.55 ug/l
RT: 12.351 min Scan# 3963
Delta R.T. -0.145 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28

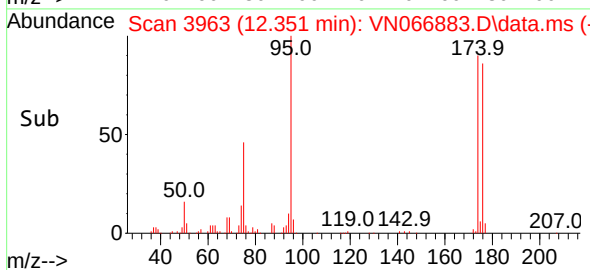
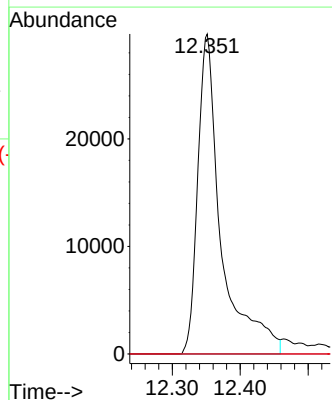
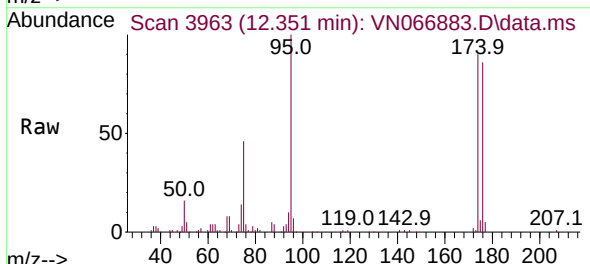
Instrument :
MSVOA_N
ClientSampled :

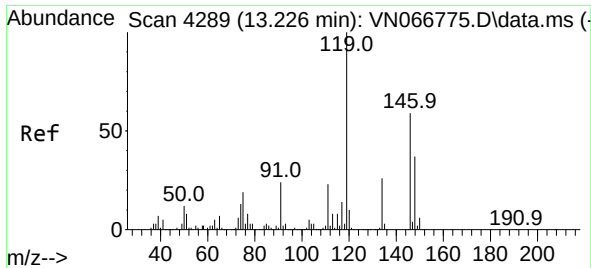
Tgt Ion: 75 Resp: 71121
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.76 ug/l
RT: 12.351 min Scan# 3963
Delta R.T. 0.107 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28

Tgt Ion: 75 Resp: 71121
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#





#87

1,3-Dichlorobenzene

Concen: 0.26 ug/l

RT: 13.236 min Scan# 4293

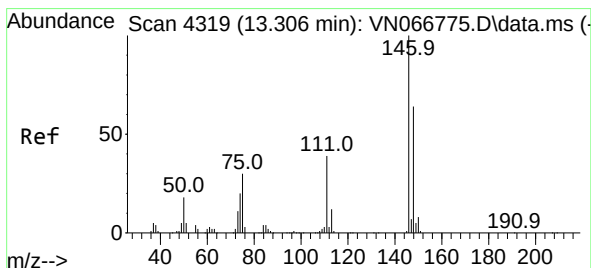
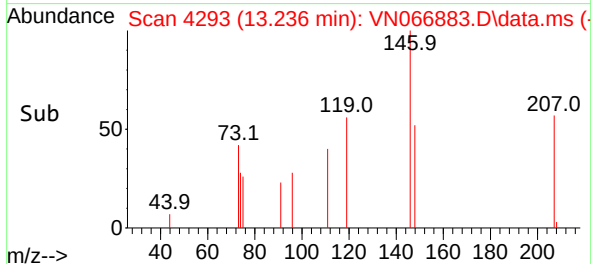
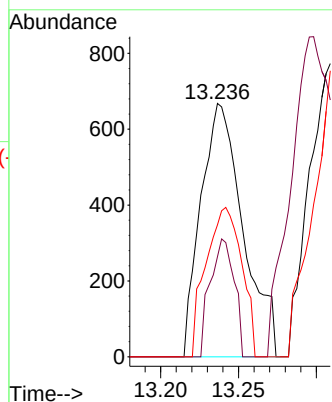
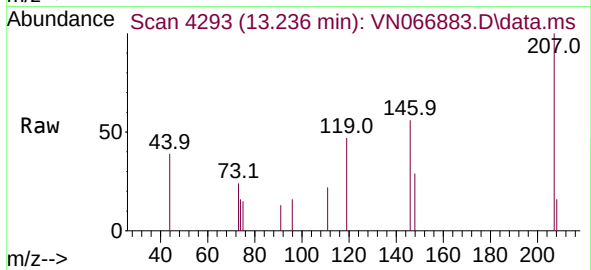
Delta R.T. 0.010 min

Lab File: VN066883.D

Acq: 30 Apr 2021 00:28

Tgt Ion:	146	Resp:	1259
Ion	Ratio	Lower	Upper
146	100		
111	26.3	19.5	58.5
148	50.0	32.3	96.9

Instrument :
MSVOA_N
ClientSampleId :



#88

1,4-Dichlorobenzene

Concen: 0.25 ug/l

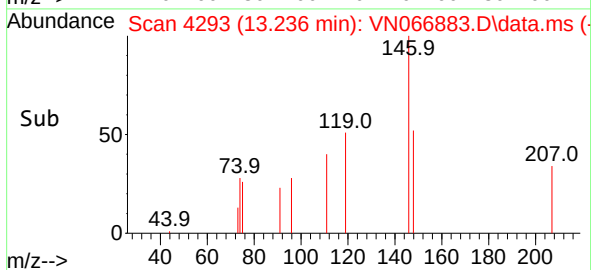
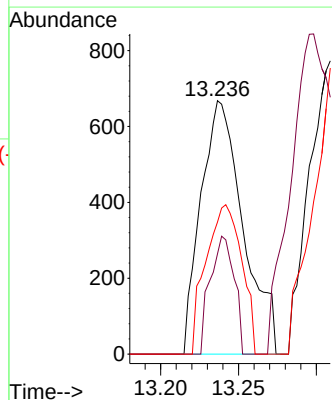
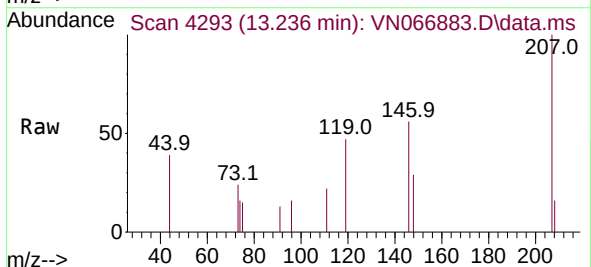
RT: 13.236 min Scan# 4293

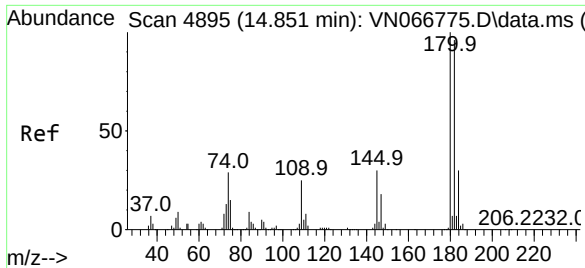
Delta R.T. -0.070 min

Lab File: VN066883.D

Acq: 30 Apr 2021 00:28

Tgt Ion:	146	Resp:	1259
Ion	Ratio	Lower	Upper
146	100		
111	26.3	19.0	57.0
148	50.0	31.8	95.3

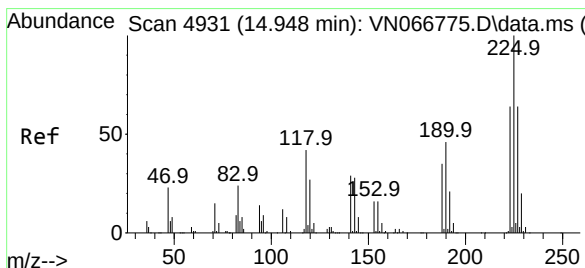
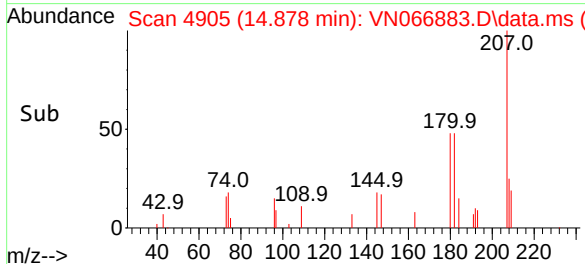
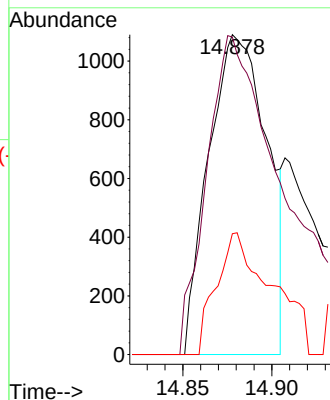
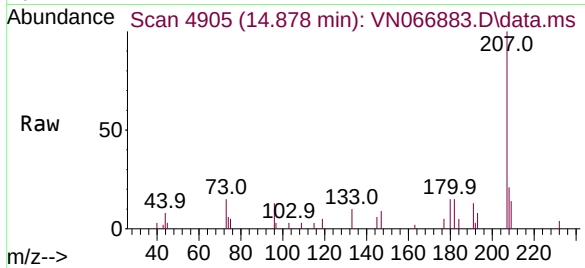




#93
1,2,4-Trichlorobenzene
Concen: 0.92 ug/l
RT: 14.878 min Scan# 4905
Delta R.T. 0.027 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28

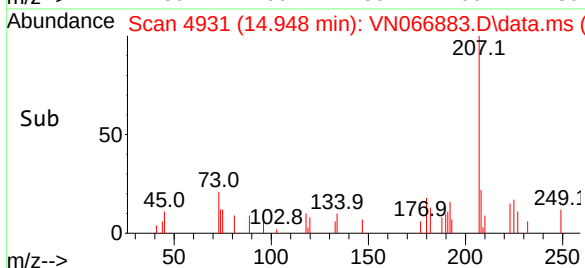
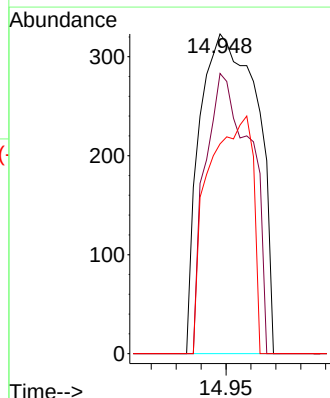
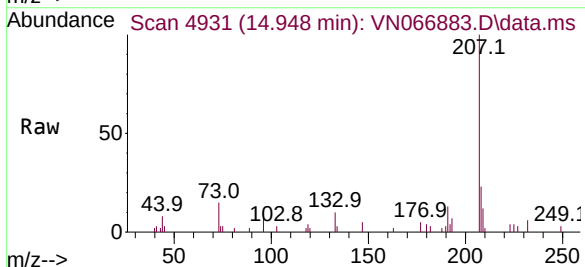
Instrument :
MSVOA_N
ClientSampleId :

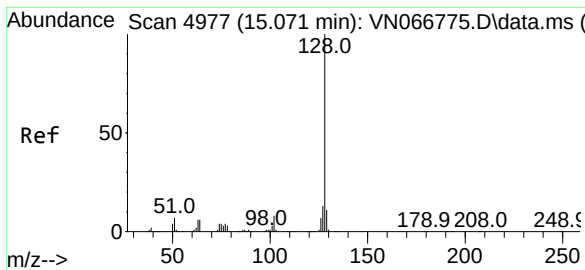
Tgt Ion:180 Resp: 2483
Ion Ratio Lower Upper
180 100
182 136.1 47.3 142.0
145 36.2 15.6 46.8



#94
Hexachlorobutadiene
Concen: 0.35 ug/l
RT: 14.948 min Scan# 4931
Delta R.T. -0.000 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28

Tgt Ion:225 Resp: 518
Ion Ratio Lower Upper
225 100
223 69.5 31.9 95.9
227 57.7 31.6 95.0

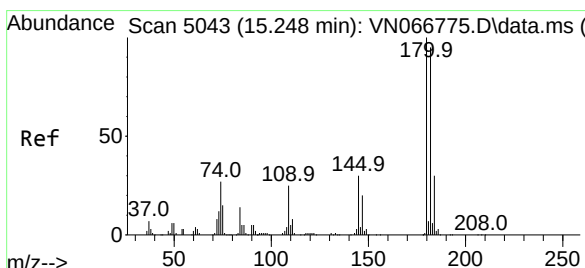
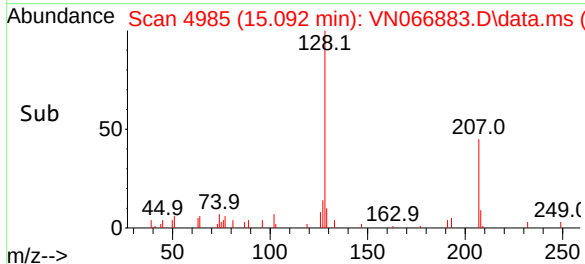
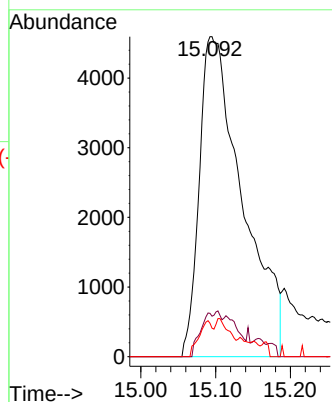
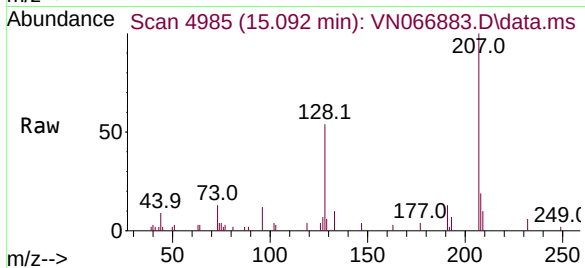




#95
Naphthalene
Concen: 2.65 ug/l
RT: 15.092 min Scan# 4985
Delta R.T. 0.021 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 18421
Ion Ratio Lower Upper
128 100
127 3.9 10.2 15.2#
129 3.7 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.15 ug/l
RT: 15.267 min Scan# 5050
Delta R.T. 0.019 min
Lab File: VN066883.D
Acq: 30 Apr 2021 00:28

Tgt Ion:180 Resp: 5626
Ion Ratio Lower Upper
180 100
182 94.8 47.4 142.3
145 13.0 16.5 49.5#

