

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031021\
 Data File : VN066167.D
 Acq On : 10 Mar 2021 15:43
 Operator : JC/MD
 Sample : MDL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 10 17:43:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 09 14:48:21 2021
 Response via : Initial Calibration

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

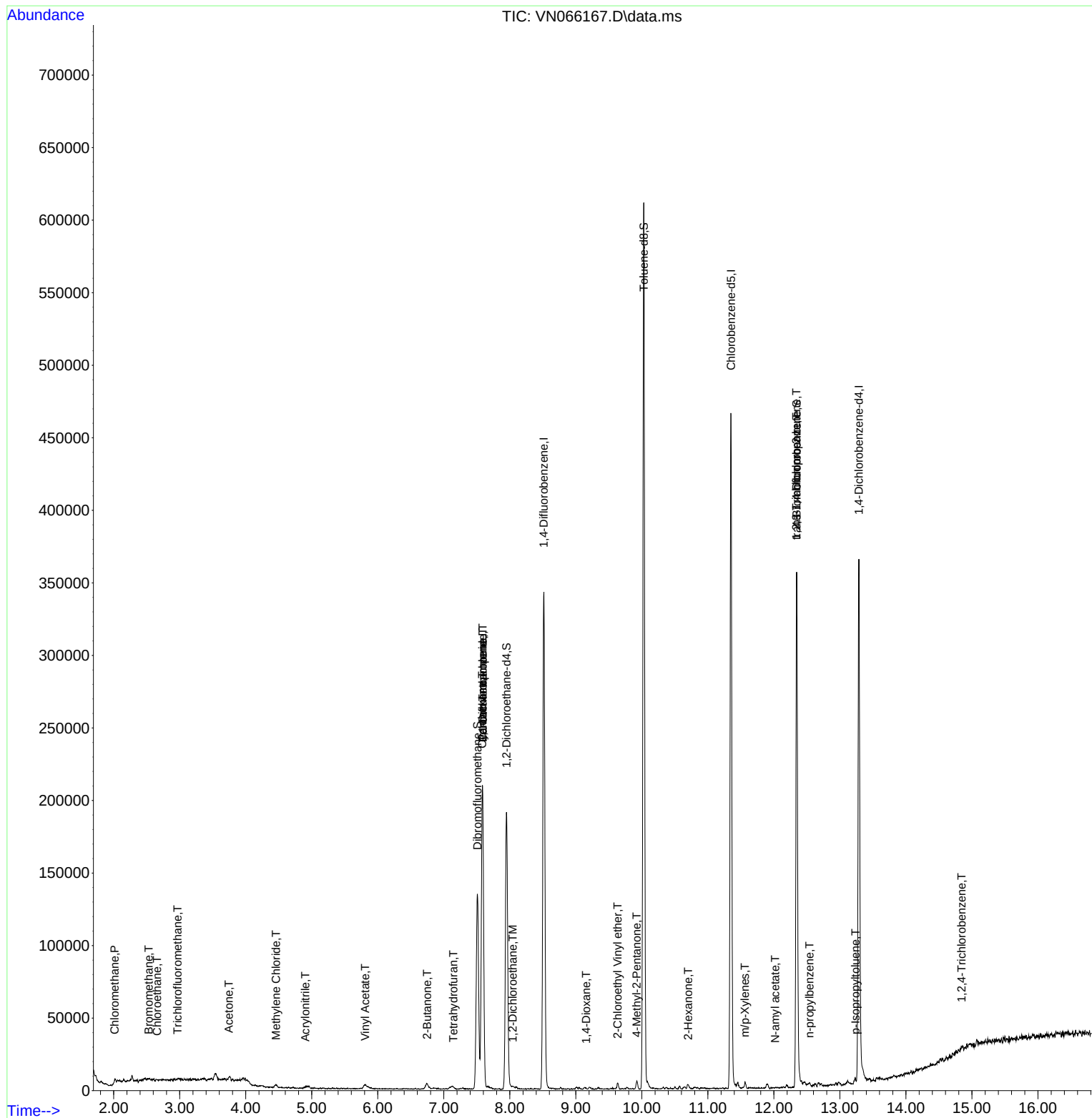
Internal Standards						
1) Pentafluorobenzene	7.587	168	160264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	273995	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	241583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	97406	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	168112	55.59	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.18%			
35) Dibromofluoromethane	7.509	113	102256	54.70	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 109.40%			
50) Toluene-d8	10.028	98	382195	51.97	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.94%			
62) 4-Bromofluorobenzene	12.345	95	124398	45.44	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 90.88%			
Target Compounds						Qvalue
3) Chloromethane	2.014	50	1715	0.47	ug/l #	85
5) Bromomethane	2.529	94	618	0.40	ug/l	88
6) Chloroethane	2.658	64	331	0.21	ug/l #	43
7) Trichlorofluoromethane	2.969	101	723	0.23	ug/l	92
13) Acrolein	3.543	56	4328	Below Cal		87
15) Acrylonitrile	4.903	53	596	0.40	ug/l #	36
16) Acetone	3.744	43	1084	0.71	ug/l #	64
20) Methylene Chloride	4.457	84	912	0.40	ug/l #	69
23) Vinyl Acetate	5.809	43	3391	0.39	ug/l #	71
25) 2-Butanone	6.748	43	1135	0.48	ug/l	92
29) Tetrahydrofuran	7.145	42	1484	0.90	ug/l #	47
31) Cyclohexane	7.582	56	5022	1.15	ug/l #	36
36) 1,1-Dichloropropene	7.587	75	14215	4.56	ug/l #	45
38) Carbon Tetrachloride	7.587	117	16339	6.02	ug/l #	16
42) 1,2-Dichloroethane	8.043	62	752	0.20	ug/l #	74
49) 1,4-Dioxane	9.156	88	84	2.42	ug/l #	3
51) 4-Methyl-2-Pentanone	9.921	43	4149	0.89	ug/l #	83
58) 2-Chloroethyl Vinyl ether	9.631	63	1549	13.17	ug/l #	79
59) 2-Hexanone	10.701	43	2691	0.80	ug/l #	48
68) m/p-Xylenes	11.562	106	1192	0.35	ug/l	94
74) N-amyl acetate	12.018	43	185	3.01	ug/l #	42
76) 1,2,3-Trichloropropane	12.342	75	67398	23.09	ug/l #	100
78) n-propylbenzene	12.538	91	1846	0.20	ug/l	76
81) trans-1,4-Dichloro-2-b...	12.342	75	67398	72.08	ug/l #	12
86) p-Isopropyltoluene	13.235	119	1347	0.21	ug/l #	67
93) 1,2,4-Trichlorobenzene	14.845	180	185	2.29	ug/l #	35

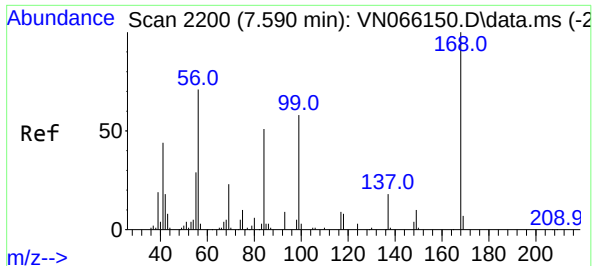
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 09 14:48:21 2021
Response via : Initial Calibration

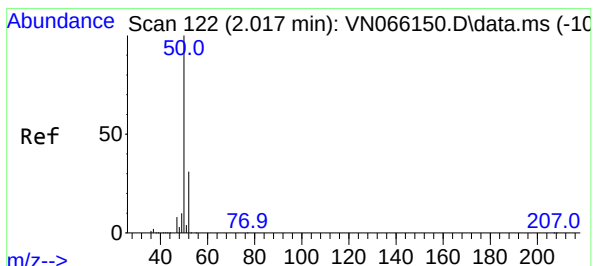
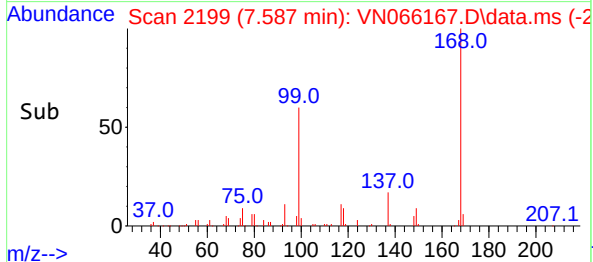
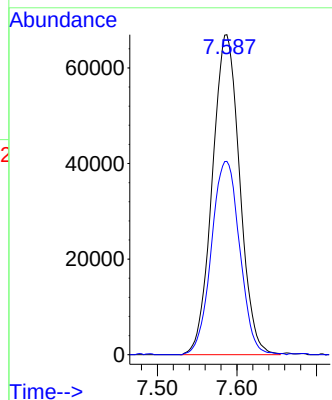
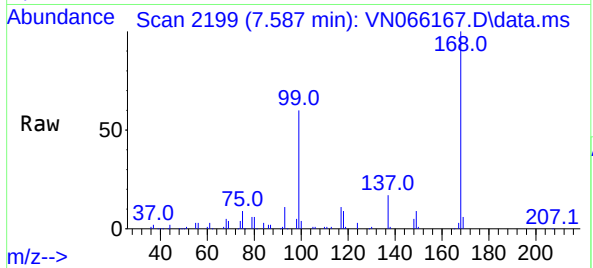




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.003 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

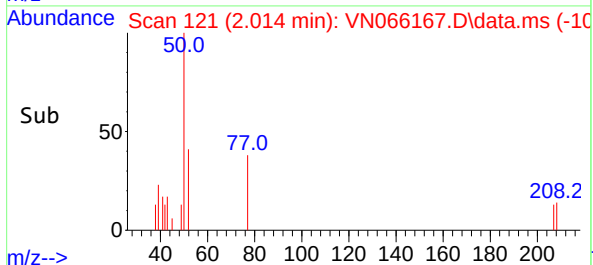
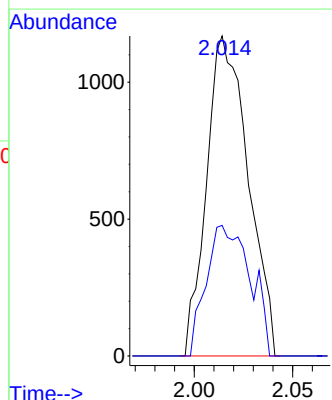
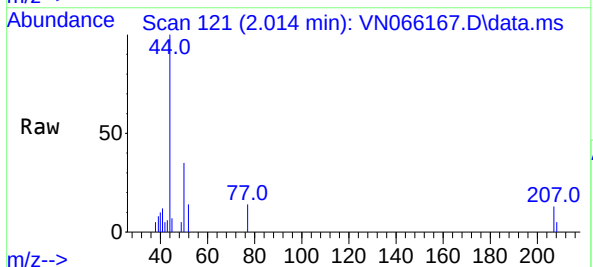
Instrument :
MSVOA_N
ClientSampleId :

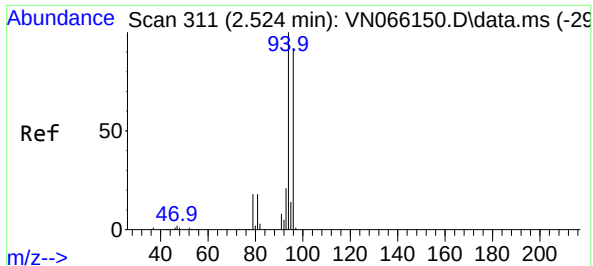
Tgt Ion:168 Resp: 160264
Ion Ratio Lower Upper
168 100
99 60.4 42.6 63.8



#3
Chloromethane
Concen: 0.47 ug/l
RT: 2.014 min Scan# 121
Delta R.T. -0.003 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

Tgt Ion: 50 Resp: 1715
Ion Ratio Lower Upper
50 100
52 40.8 25.8 38.8#

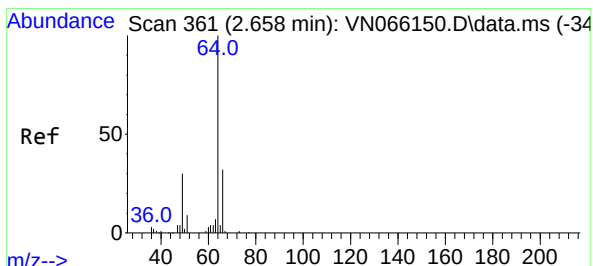
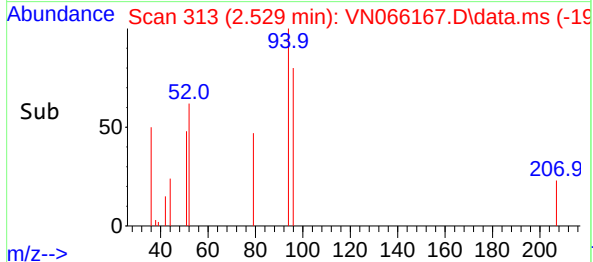
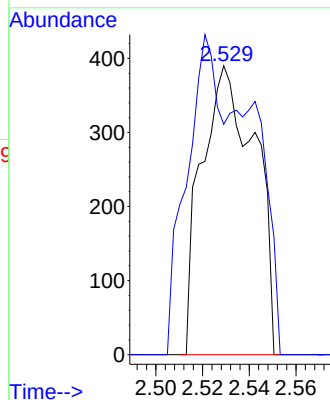
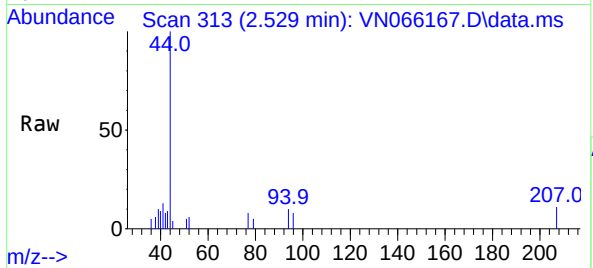




#5
Bromomethane
Concen: 0.40 ug/l
RT: 2.529 min Scan# 313
Delta R.T. 0.005 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

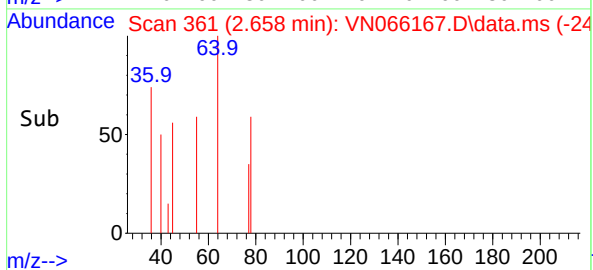
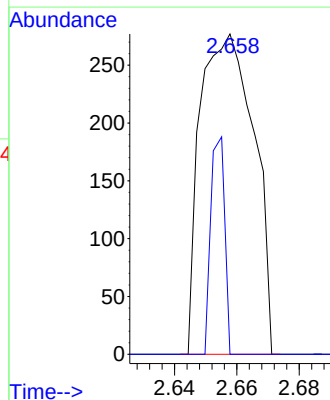
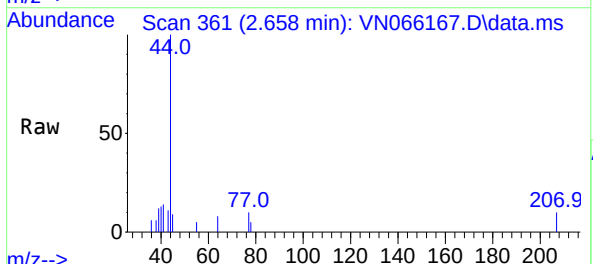
Instrument :
MSVOA_N
ClientSampled :

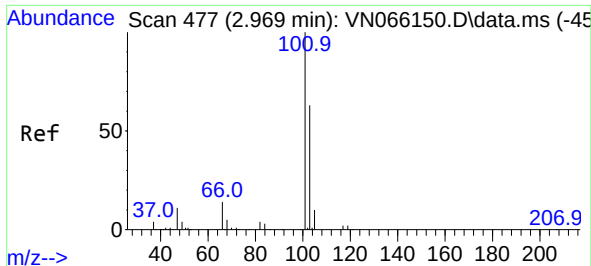
Tgt Ion: 94 Resp: 618
Ion Ratio Lower Upper
94 100
96 79.7 73.0 109.4



#6
Chloroethane
Concen: 0.21 ug/l
RT: 2.658 min Scan# 361
Delta R.T. -0.000 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

Tgt Ion: 64 Resp: 331
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

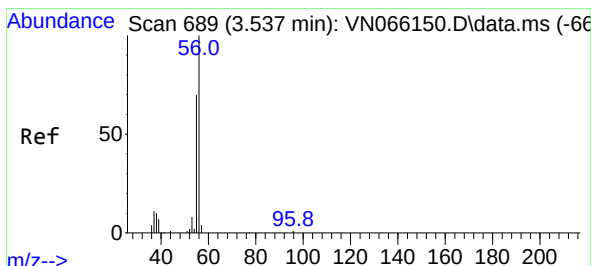
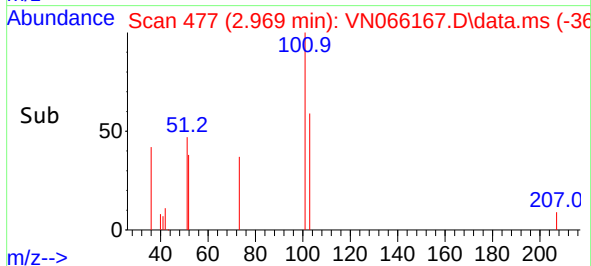
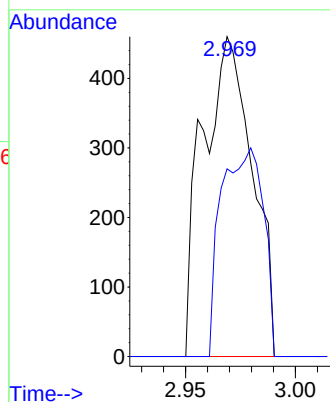
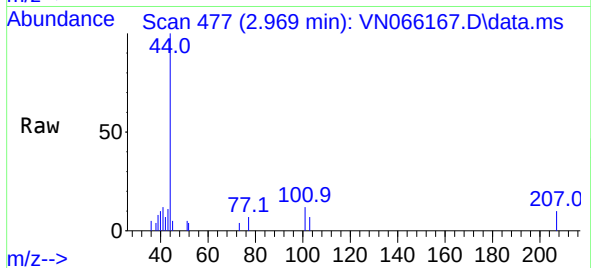




#7
Trichlorofluoromethane
Concen: 0.23 ug/l
RT: 2.969 min Scan# 477
Delta R.T. -0.000 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

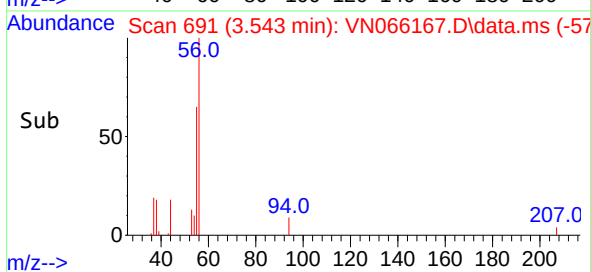
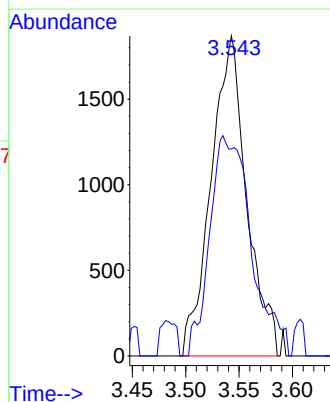
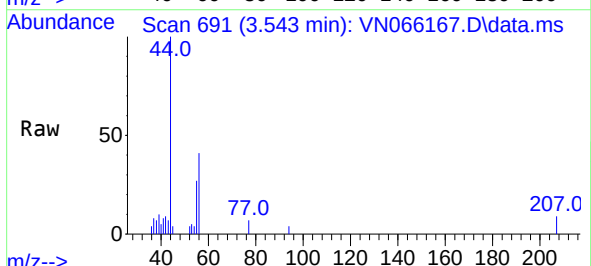
Instrument :
MSVOA_N
ClientSampled :

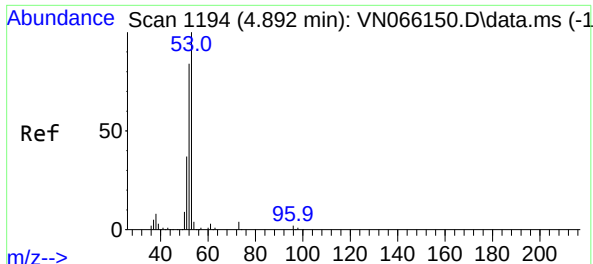
Tgt Ion:101 Resp: 723
Ion Ratio Lower Upper
101 100
103 58.7 52.1 78.1



#13
Acrolein
Concen: Below Cal
RT: 3.543 min Scan# 691
Delta R.T. 0.006 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

Tgt Ion: 56 Resp: 4328
Ion Ratio Lower Upper
56 100
55 80.3 56.0 84.0



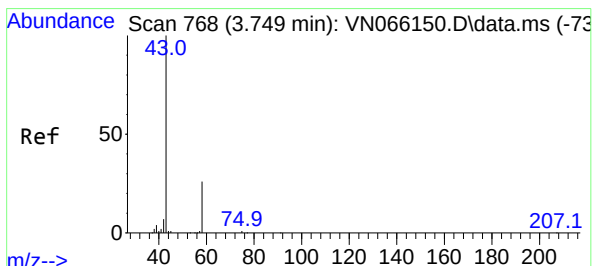
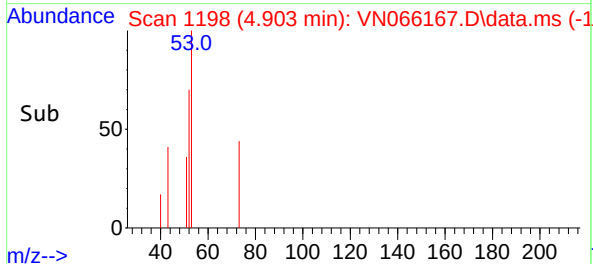
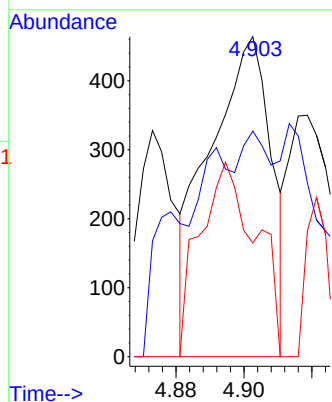
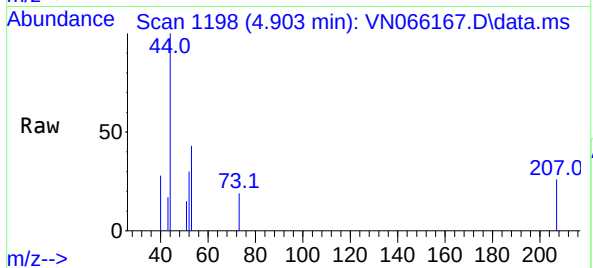


#15
Acrylonitrile
Concen: 0.40 ug/l
RT: 4.903 min Scan# 1198
Delta R.T. 0.011 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 53 Resp: 596

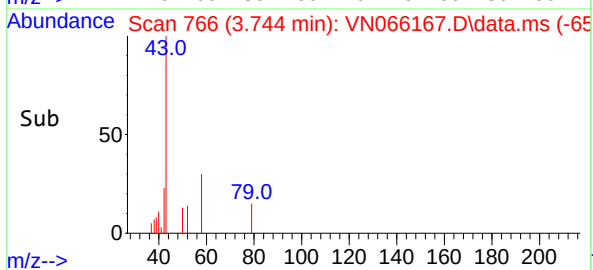
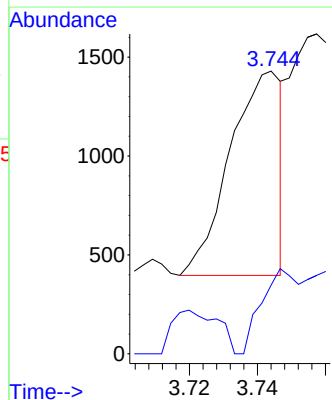
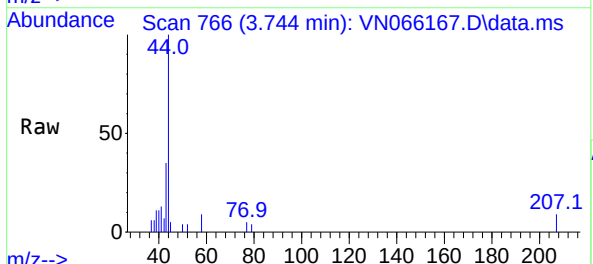
Ion	Ratio	Lower	Upper
53	100		
52	13.9	66.1	99.1#
51	54.4	27.9	41.9#

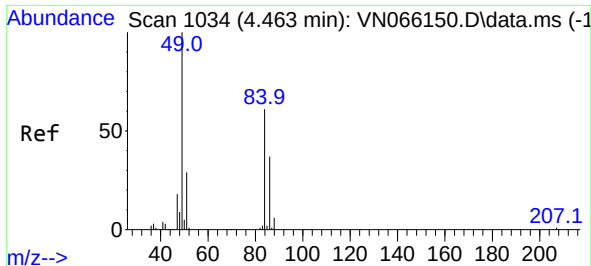


#16
Acetone
Concen: 0.71 ug/l
RT: 3.744 min Scan# 766
Delta R.T. -0.005 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

Tgt Ion: 43 Resp: 1084

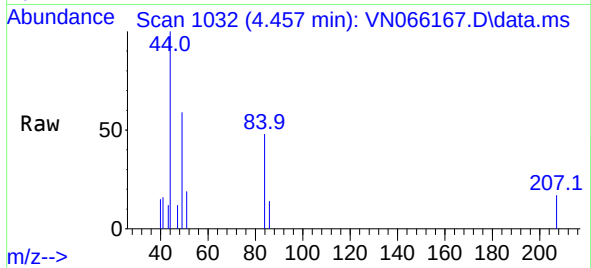
Ion	Ratio	Lower	Upper
43	100		
58	13.4	27.0	40.6#



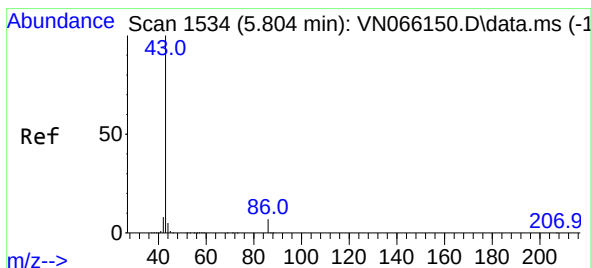
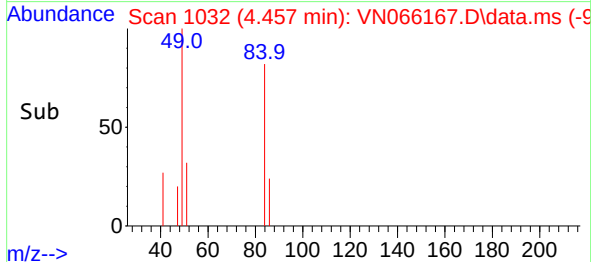
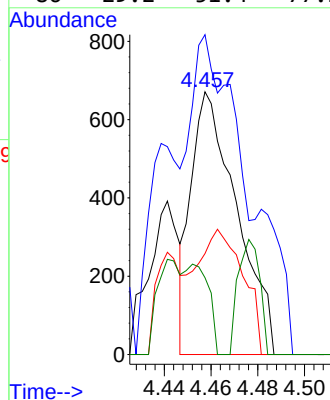


#20
Methylene Chloride
Concen: 0.40 ug/l
RT: 4.457 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

Instrument :
MSVOA_N
ClientSampleId :

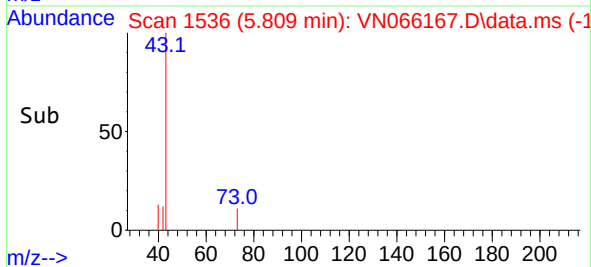
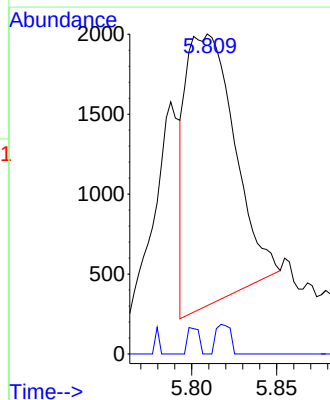
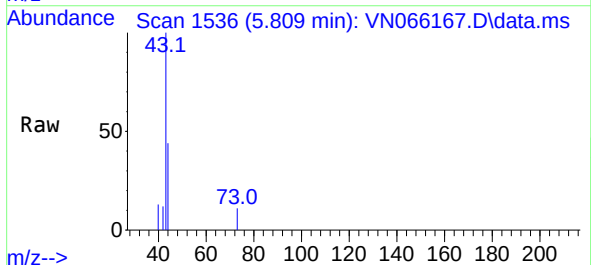


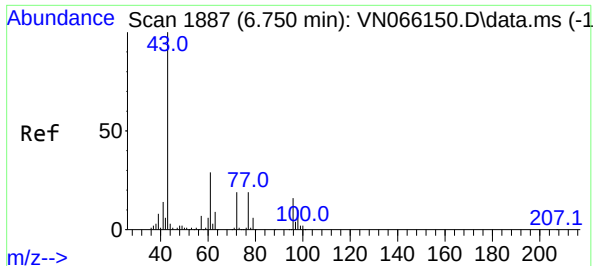
Tgt Ion: 84 Resp: 912
Ion Ratio Lower Upper
84 100
49 81.2 94.6 141.8#
51 38.5 29.9 44.9
86 29.2 51.4 77.2#



#23
Vinyl Acetate
Concen: 0.39 ug/l
RT: 5.809 min Scan# 1536
Delta R.T. 0.005 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

Tgt Ion: 43 Resp: 3391
Ion Ratio Lower Upper
43 100
86 0.0 8.6 13.0#

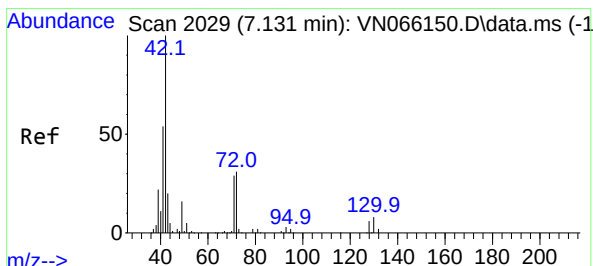
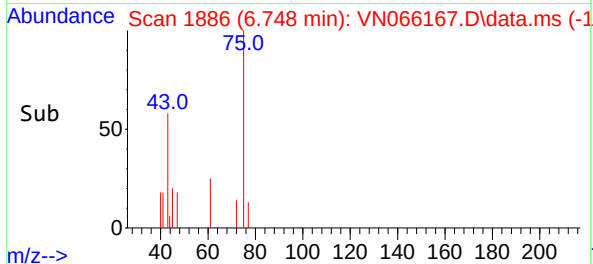
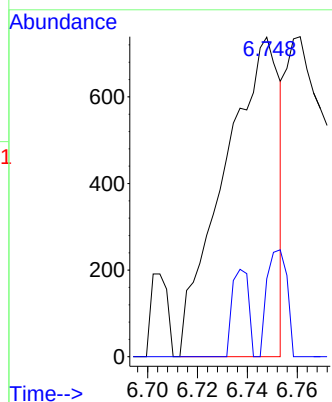
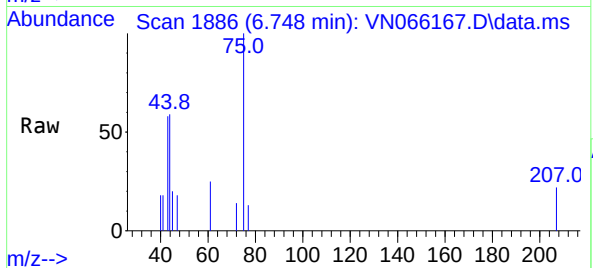




#25
2-Butanone
Concen: 0.48 ug/l
RT: 6.748 min Scan# 1886
Delta R.T. -0.002 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

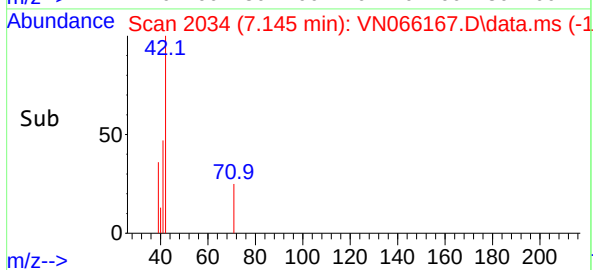
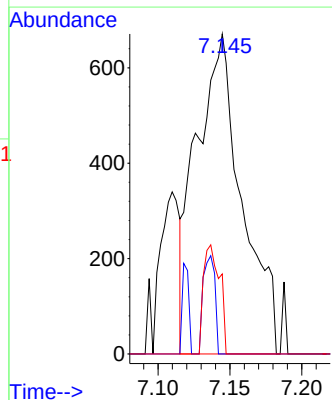
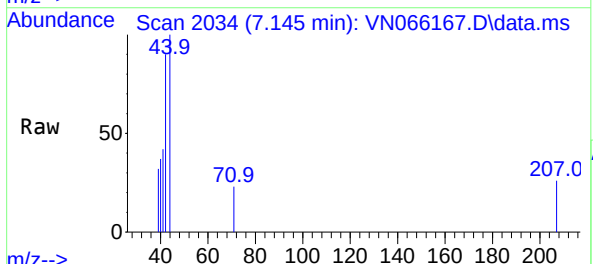
Instrument :
MSVOA_N
ClientSampled :

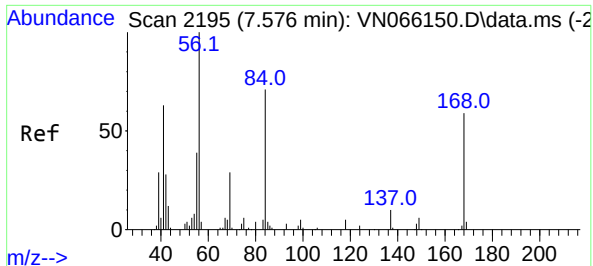
Tgt Ion: 43 Resp: 1135
Ion Ratio Lower Upper
43 100
72 24.4 23.1 34.7



#29
Tetrahydrofuran
Concen: 0.90 ug/l
RT: 7.145 min Scan# 2034
Delta R.T. 0.014 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

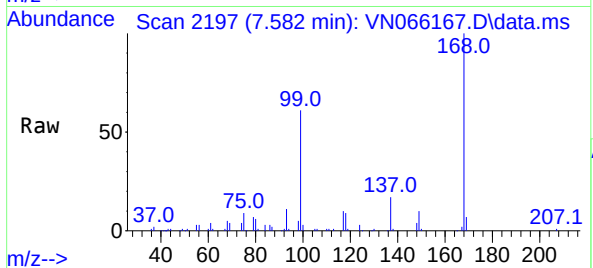
Tgt Ion: 42 Resp: 1484
Ion Ratio Lower Upper
42 100
72 7.9 36.6 55.0#
71 12.1 34.3 51.5#



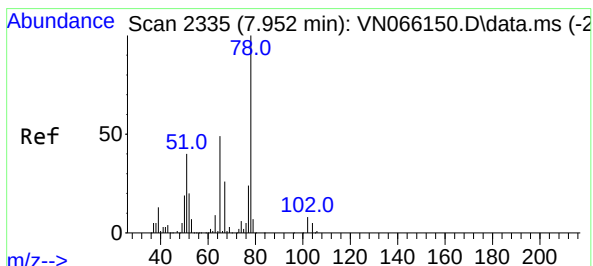
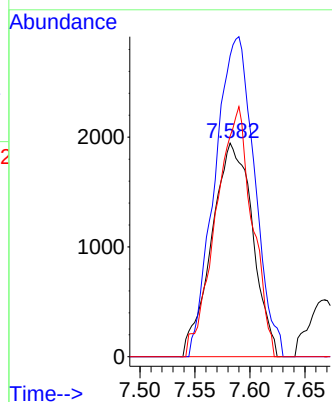
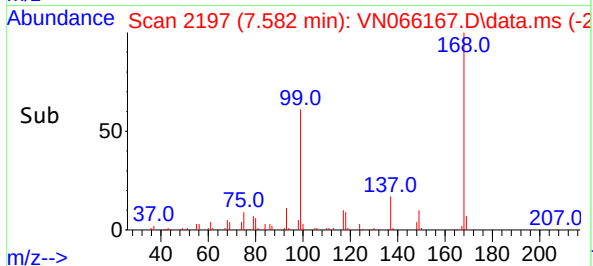


#31
Cyclohexane
Concen: 1.15 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. 0.006 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

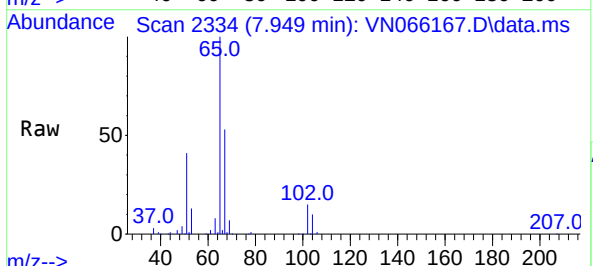
Instrument :
MSVOA_N
ClientSampled :



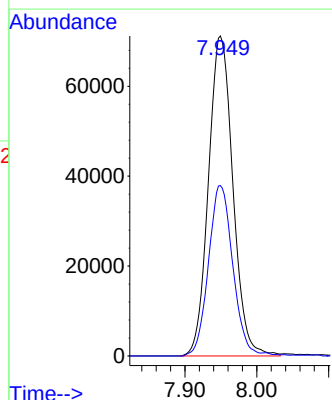
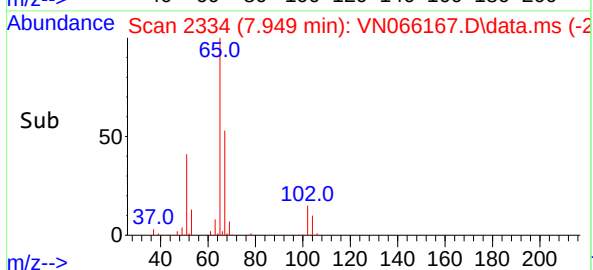
Tgt Ion: 56 Resp: 5022
Ion Ratio Lower Upper
56 100
69 140.9 26.6 39.8#
84 103.2 70.4 105.6

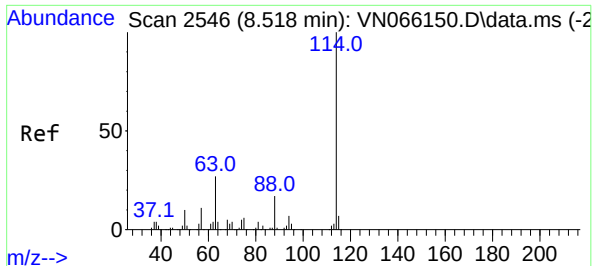


#33
1,2-Dichloroethane-d4
Concen: 55.59 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. -0.003 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43



Tgt Ion: 65 Resp: 168112
Ion Ratio Lower Upper
65 100
67 52.7 0.0 107.2

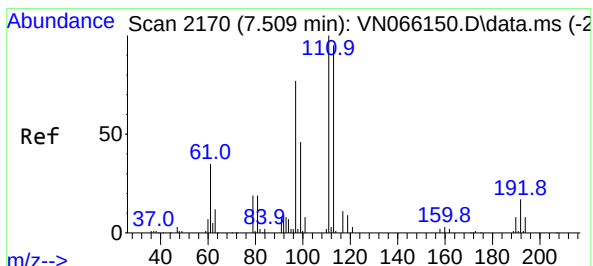
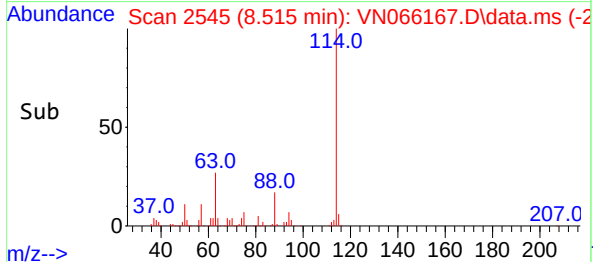
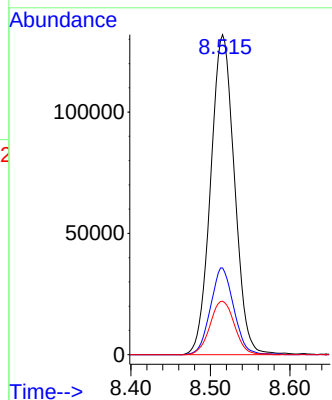
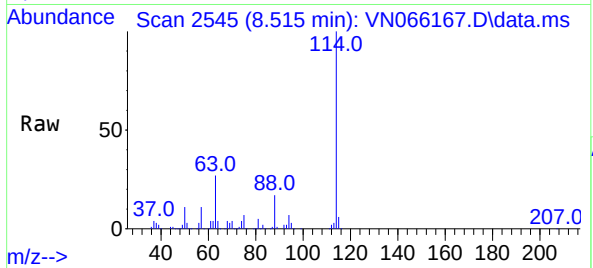




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. -0.003 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

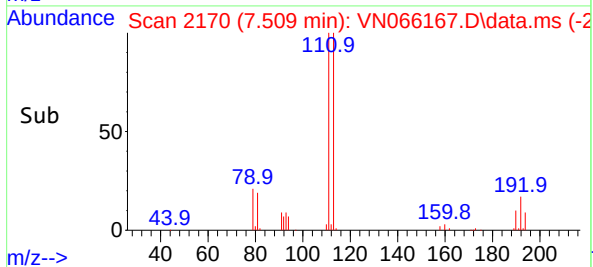
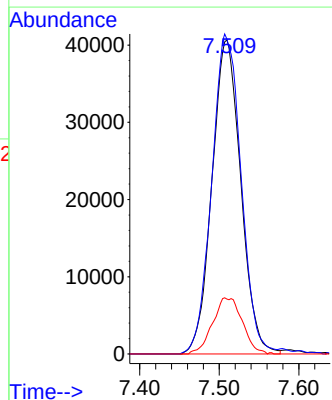
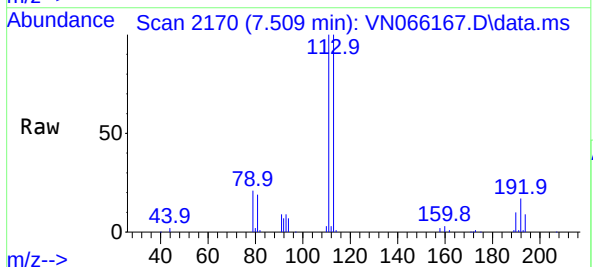
Instrument :
MSVOA_N
ClientSampleId :

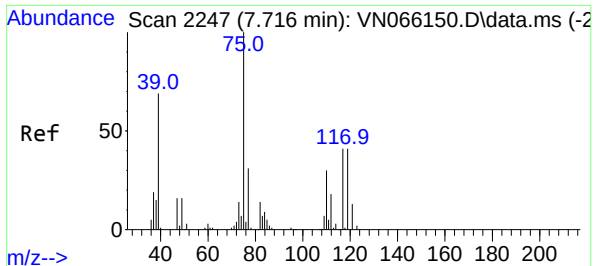
Tgt Ion:114 Resp: 273995
Ion Ratio Lower Upper
114 100
63 27.1 0.0 38.6
88 16.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.70 ug/l
RT: 7.509 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

Tgt Ion:113 Resp: 102256
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 18.5 15.4 23.0

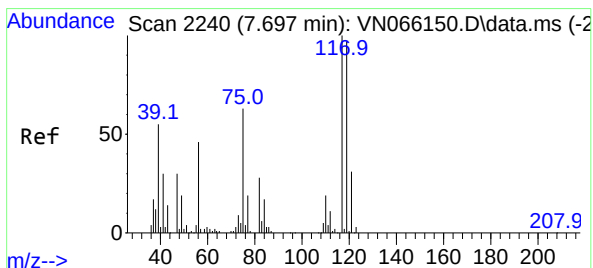
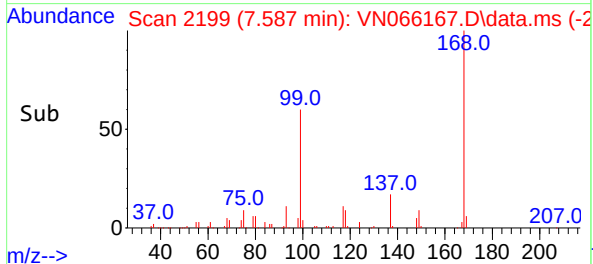
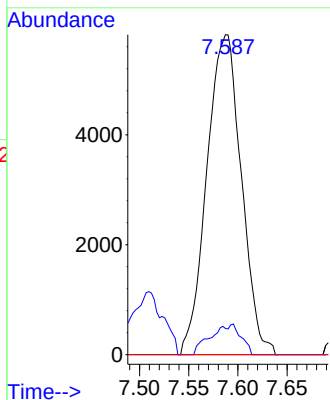
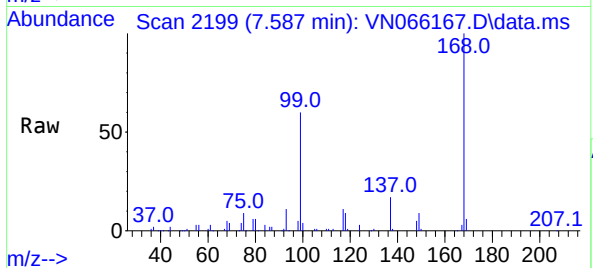




#36
1,1-Dichloropropene
Concen: 4.56 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.129 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

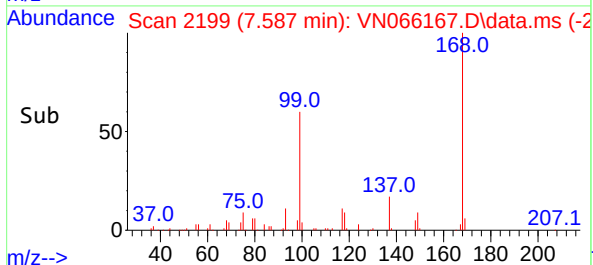
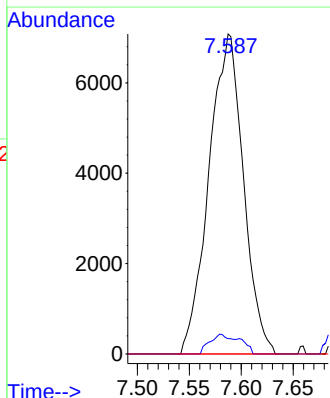
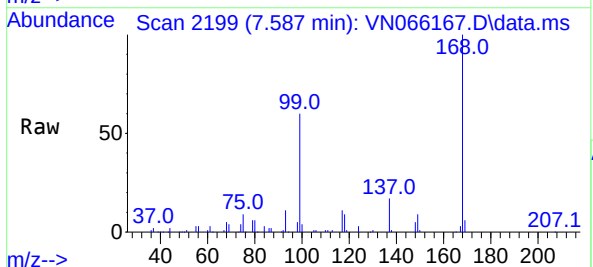
Instrument :
MSVOA_N
ClientSampled :

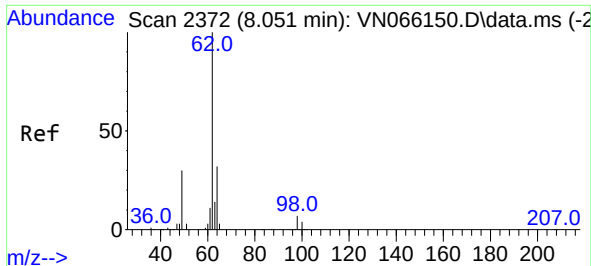
Tgt Ion: 75 Resp: 14215
Ion Ratio Lower Upper
75 100
110 5.1 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.02 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.110 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

Tgt Ion: 117 Resp: 16339
Ion Ratio Lower Upper
117 100
119 4.8 76.0 114.0#
121 0.0 24.5 36.7#





#42

1,2-Dichloroethane

Concen: 0.20 ug/l

RT: 8.043 min Scan# 2369

Delta R.T. -0.008 min

Lab File: VN066167.D

Acq: 10 Mar 2021 15:43

Tgt Ion: 62 Resp: 752

Ion Ratio Lower Upper

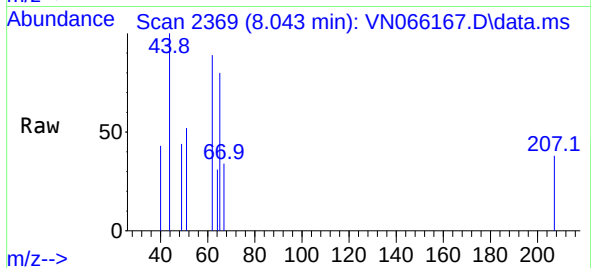
62 100

98 0.0 0.0 18.6

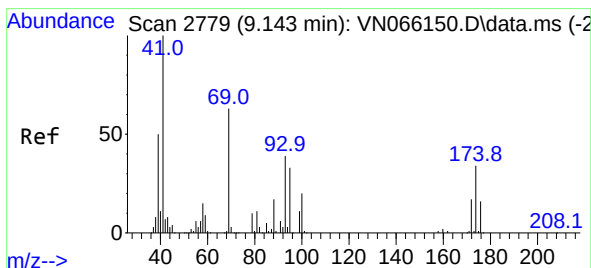
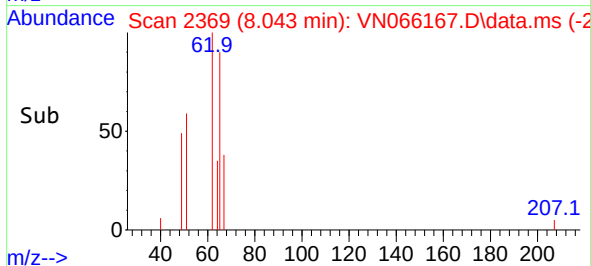
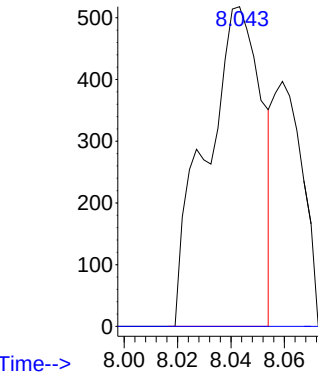
Instrument :

MSVOA_N

ClientSampled :



Abundance



#49

1,4-Dioxane

Concen: 2.42 ug/l

RT: 9.156 min Scan# 2784

Delta R.T. 0.013 min

Lab File: VN066167.D

Acq: 10 Mar 2021 15:43

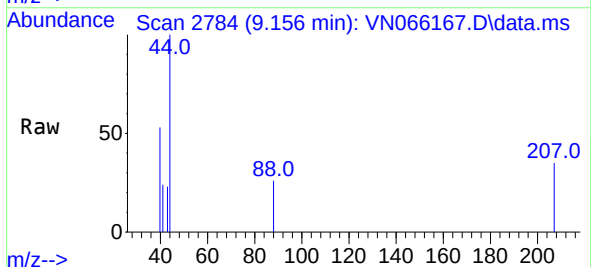
Tgt Ion: 88 Resp: 84

Ion Ratio Lower Upper

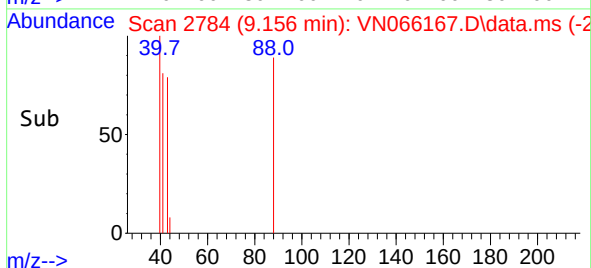
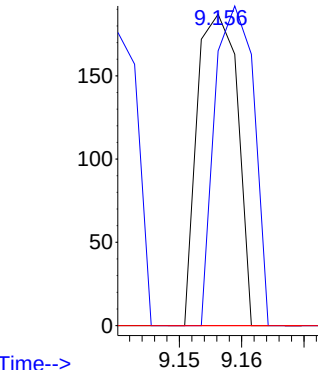
88 100

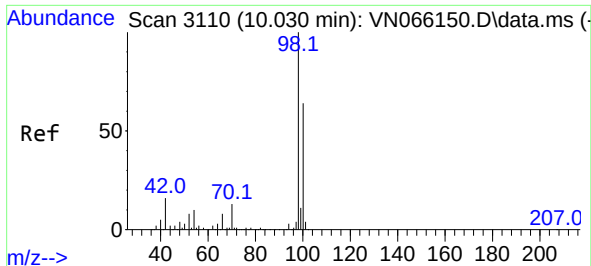
43 100.0 24.7 37.1#

58 0.0 52.6 78.8#



Abundance

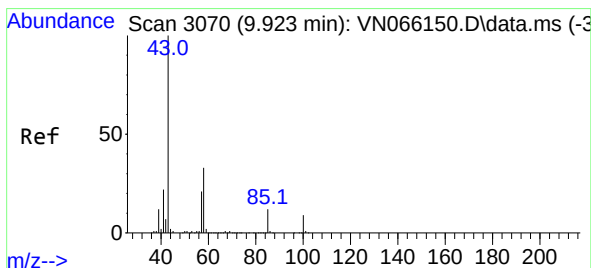
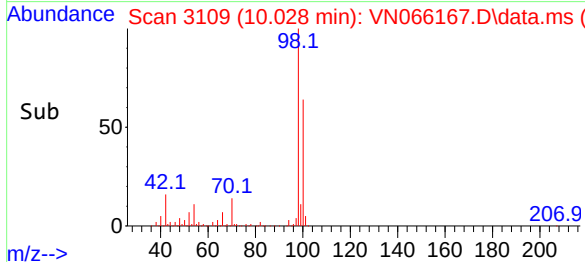
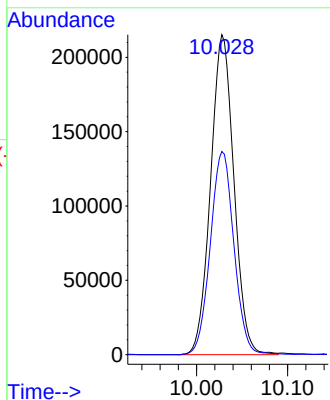
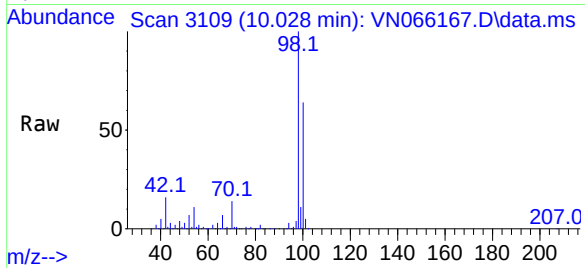




#50
Toluene-d8
Concen: 51.97 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.002 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

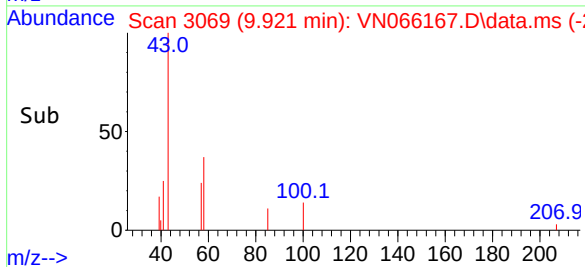
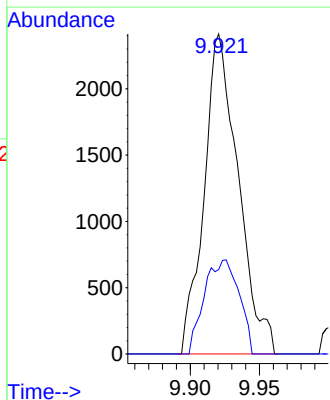
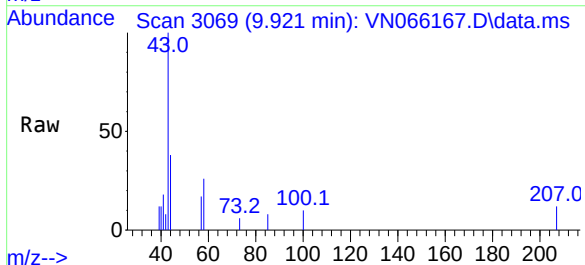
Instrument :
MSVOA_N
ClientSampled :

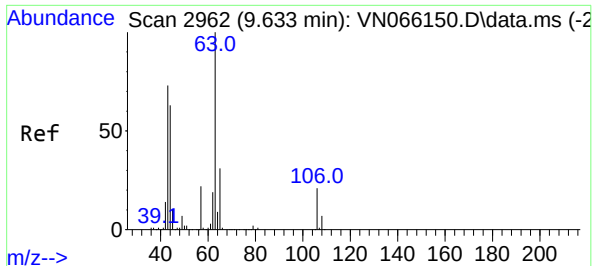
Tgt Ion: 98 Resp: 382195
Ion Ratio Lower Upper
98 100
100 64.4 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.89 ug/l
RT: 9.921 min Scan# 3069
Delta R.T. -0.002 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

Tgt Ion: 43 Resp: 4149
Ion Ratio Lower Upper
43 100
58 29.8 32.5 48.7#

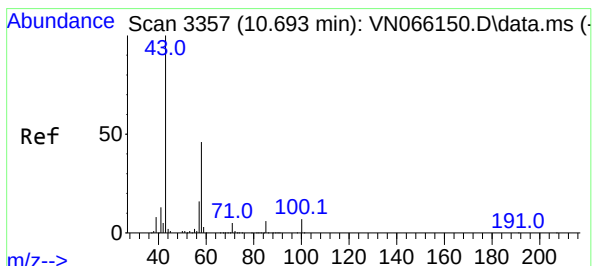
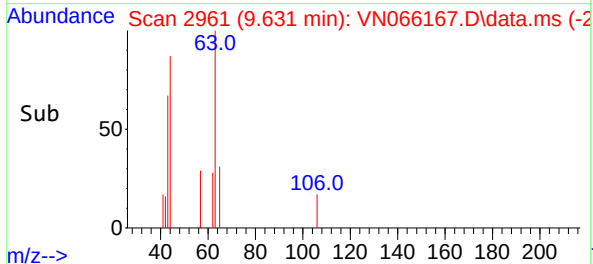
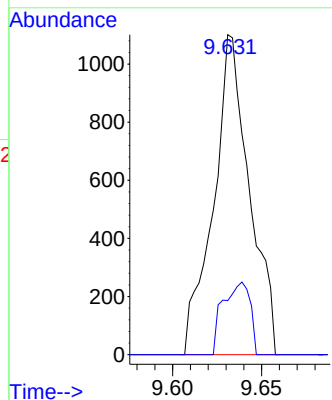
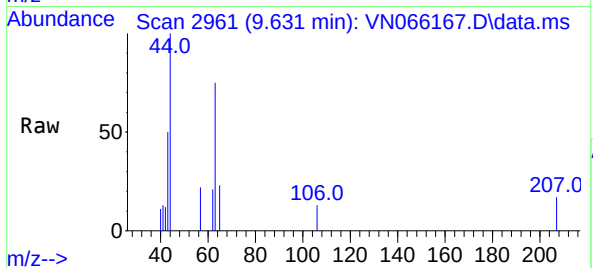




#58
2-Chloroethyl Vinyl ether
Concen: 13.17 ug/l
RT: 9.631 min Scan# 2961
Delta R.T. -0.002 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

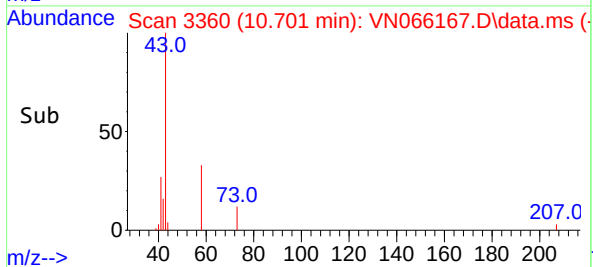
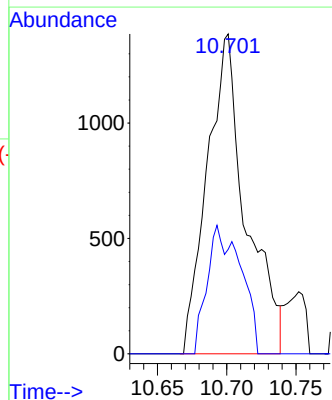
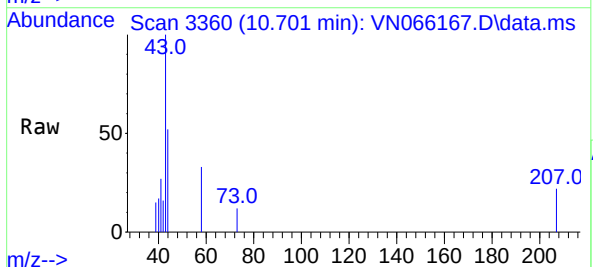
Instrument :
MSVOA_N
ClientSampled :

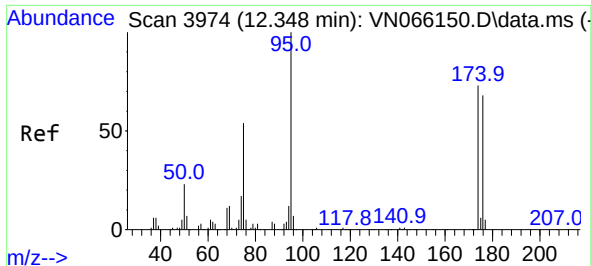
Tgt Ion: 63 Resp: 1549
Ion Ratio Lower Upper
63 100
106 17.0 22.6 33.8#



#59
2-Hexanone
Concen: 0.80 ug/l
RT: 10.701 min Scan# 3360
Delta R.T. 0.008 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

Tgt Ion: 43 Resp: 2691
Ion Ratio Lower Upper
43 100
58 17.9 28.1 84.3#

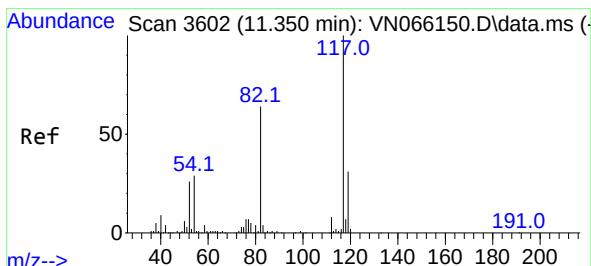
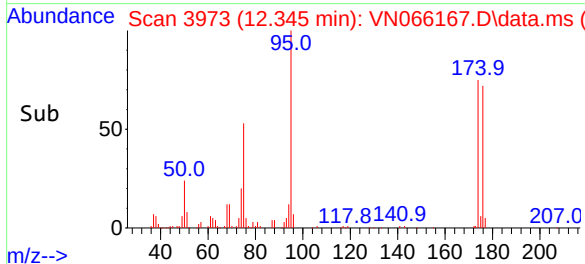
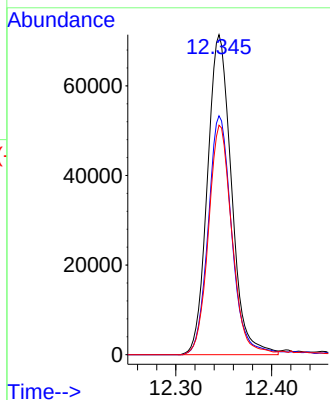
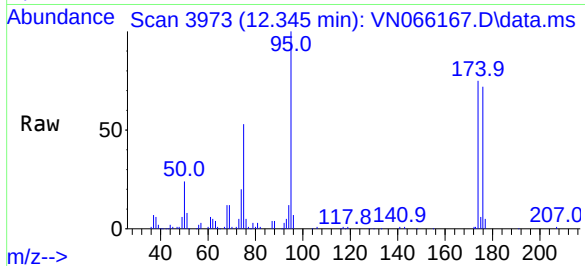




#62
4-Bromofluorobenzene
Concen: 45.44 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.003 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

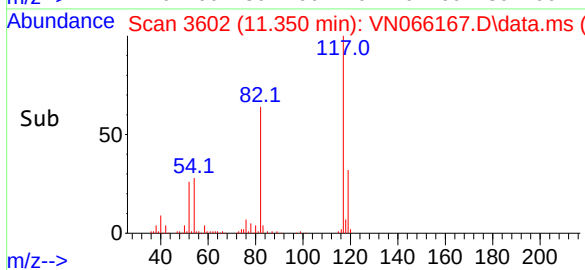
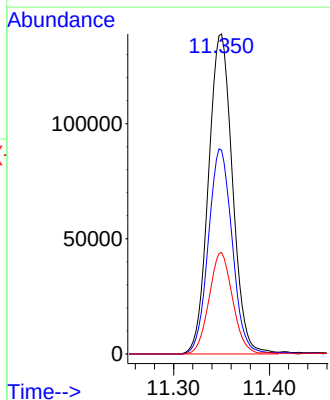
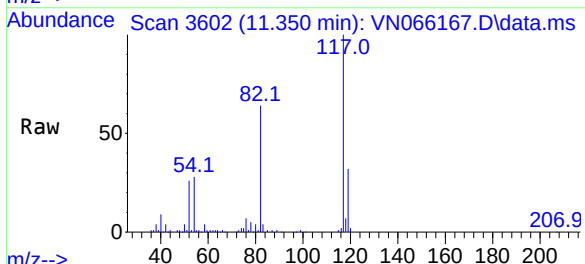
Instrument :
MSVOA_N
ClientSampleId :

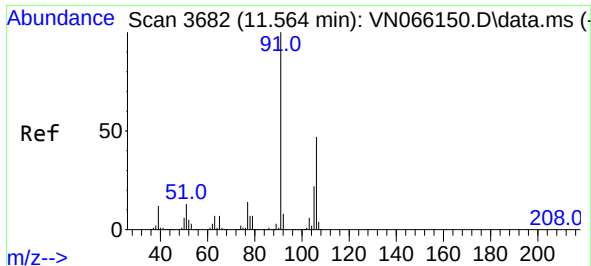
Tgt Ion: 95 Resp: 124398
Ion Ratio Lower Upper
95 100
174 73.4 0.0 169.0
176 70.0 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.000 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

Tgt Ion: 117 Resp: 241583
Ion Ratio Lower Upper
117 100
82 63.7 43.7 65.5
119 31.7 26.1 39.1

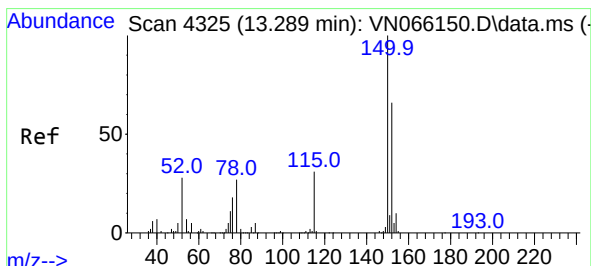
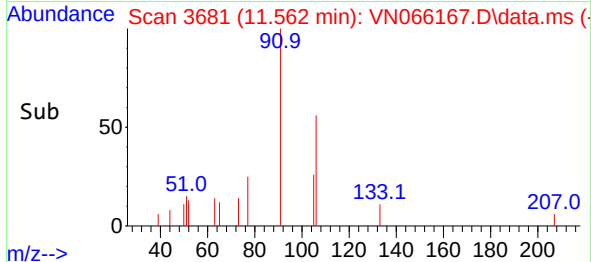
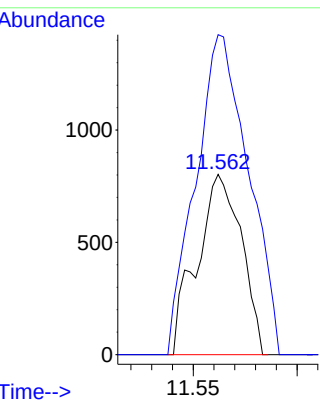
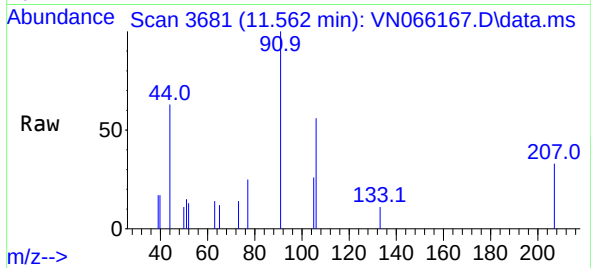




#68
m/p-Xylenes
Concen: 0.35 ug/l
RT: 11.562 min Scan# 3681
Delta R.T. -0.002 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

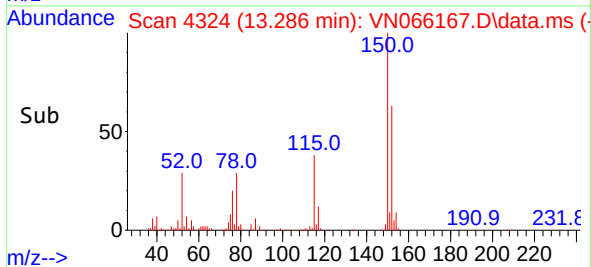
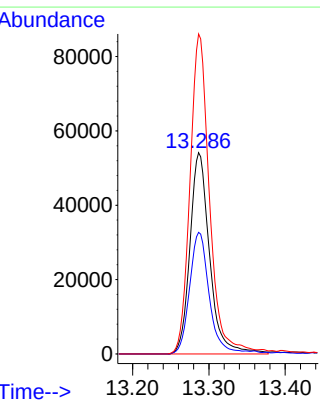
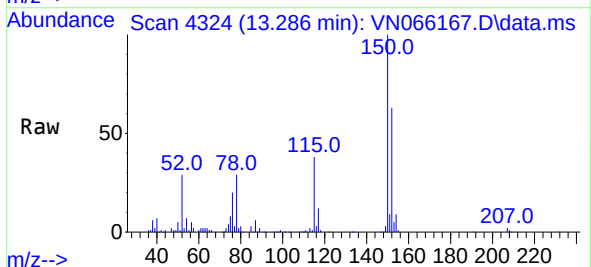
Instrument :
MSVOA_N
ClientSampleId :

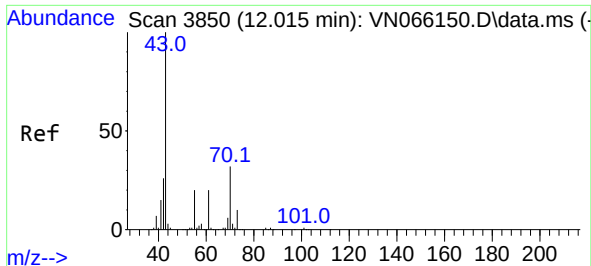
Tgt Ion:106 Resp: 1192
Ion Ratio Lower Upper
106 100
91 211.2 161.4 242.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. -0.003 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

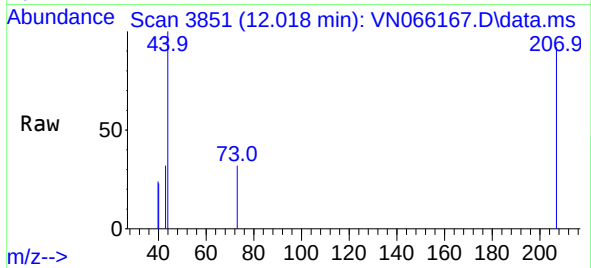
Tgt Ion:152 Resp: 97406
Ion Ratio Lower Upper
152 100
115 59.9 28.5 85.6
150 156.4 0.0 347.6





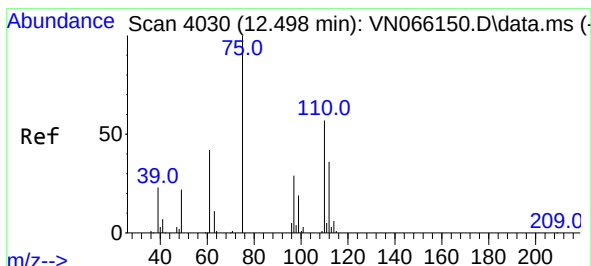
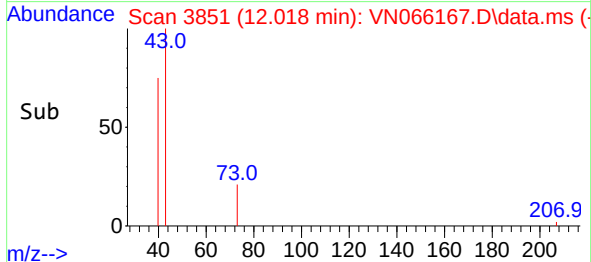
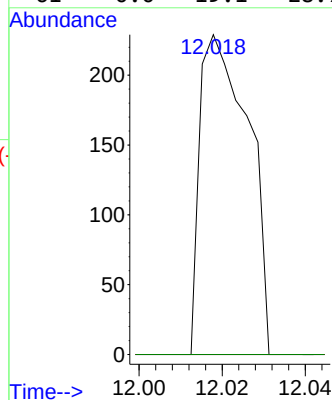
#74
N-amy1 acetate
Concen: 3.01 ug/l
RT: 12.018 min Scan# 3851
Delta R.T. 0.003 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 43 Resp: 185

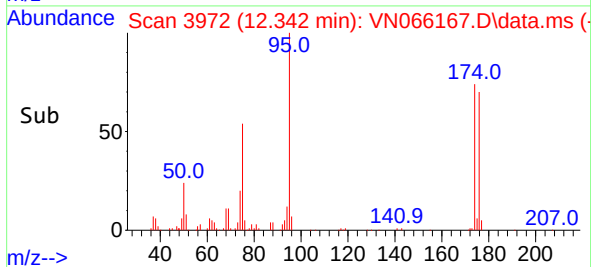
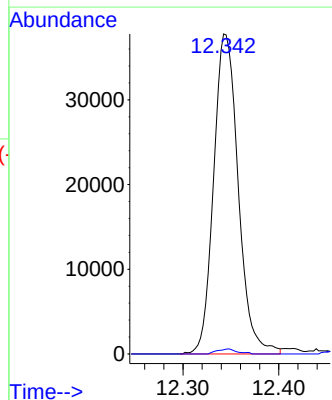
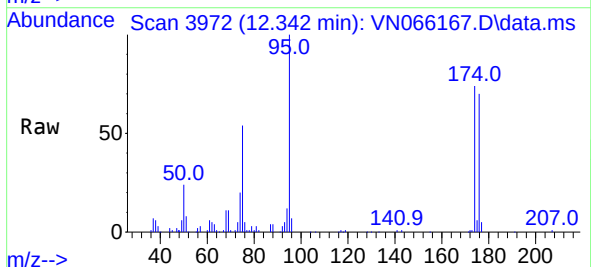
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.4	51.6#
55	0.0	20.7	31.1#
61	0.0	19.1	28.7#

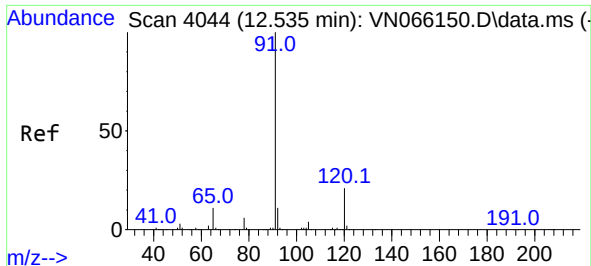


#76
1,2,3-Trichloropropane
Concen: 23.09 ug/l
RT: 12.342 min Scan# 3972
Delta R.T. -0.156 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

Tgt Ion: 75 Resp: 67398

Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#

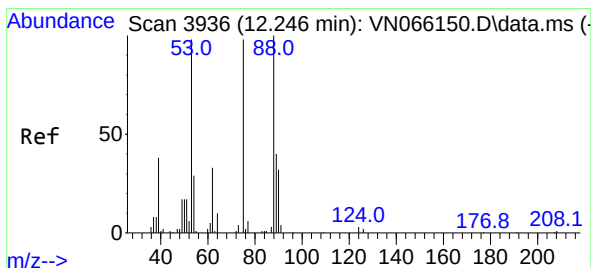
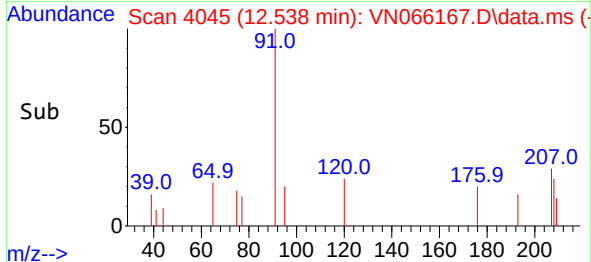
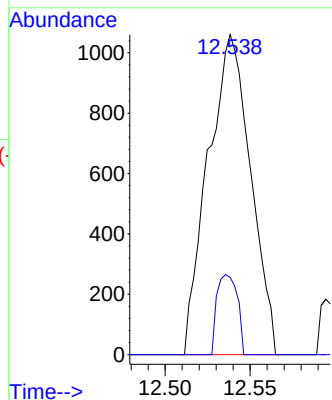
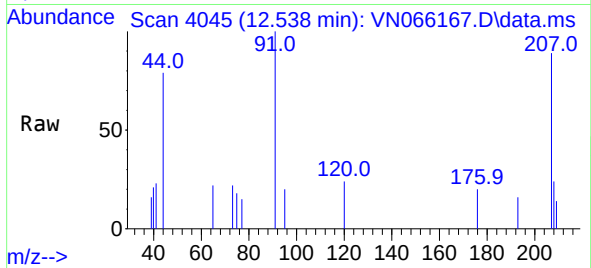




#78
n-propylbenzene
Concen: 0.20 ug/l
RT: 12.538 min Scan# 4045
Delta R.T. 0.003 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

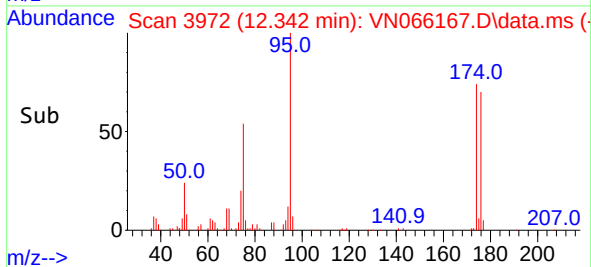
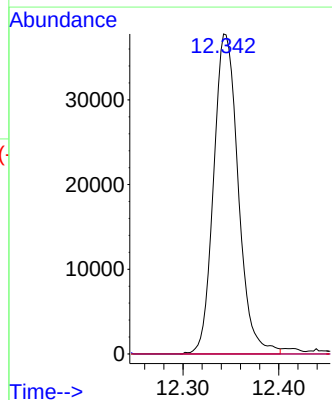
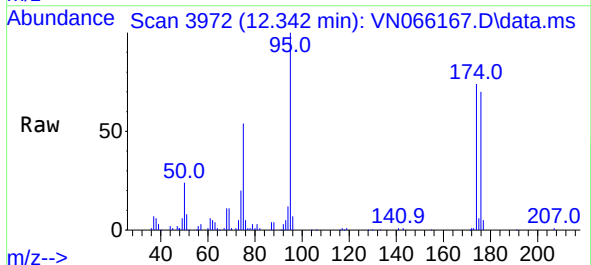
Instrument :
MSVOA_N
ClientSampled :

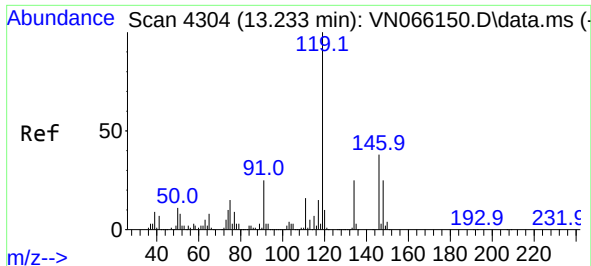
Tgt Ion: 91 Resp: 1846
Ion Ratio Lower Upper
91 100
120 11.9 11.8 35.3



#81
trans-1,4-Dichloro-2-butene
Concen: 72.08 ug/l
RT: 12.342 min Scan# 3972
Delta R.T. 0.096 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

Tgt Ion: 75 Resp: 67398
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

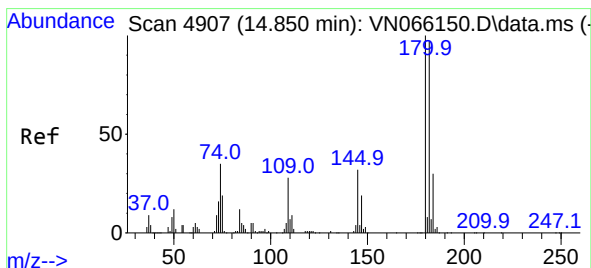
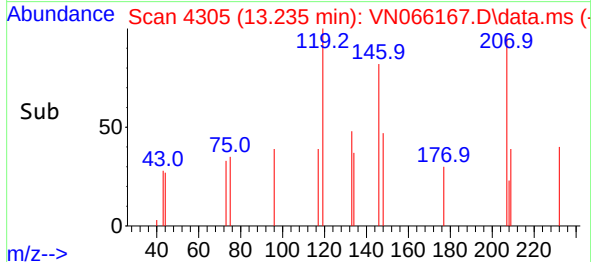
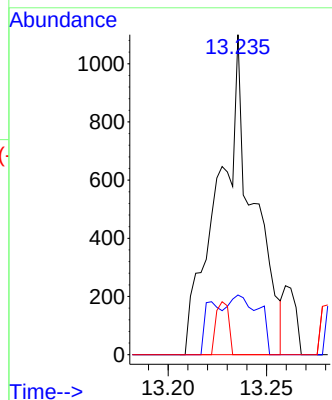
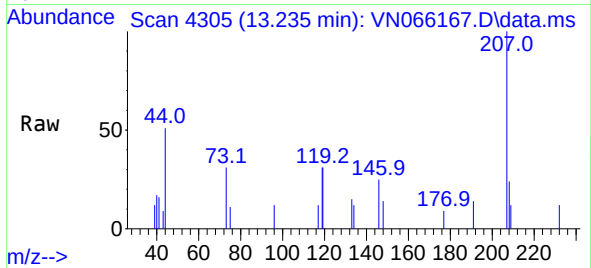




#86
p-Isopropyltoluene
Concen: 0.21 ug/l
RT: 13.235 min Scan# 4305
Delta R.T. 0.002 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	119	Resp:	1347
Ion	Ratio	Lower	Upper
119	100		
134	16.7	13.3	39.8
91	0.0	11.8	35.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.29 ug/l
RT: 14.845 min Scan# 4905
Delta R.T. -0.005 min
Lab File: VN066167.D
Acq: 10 Mar 2021 15:43

Tgt Ion:	180	Resp:	185
Ion	Ratio	Lower	Upper
180	100		
182	29.2	47.3	142.0#
145	0.0	15.6	46.8#

