

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081921\
 Data File : VN068228.D
 Acq On : 19 Aug 2021 19:58
 Operator : JC/MD
 Sample : PB138556ZHE#07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 20 01:56:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

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

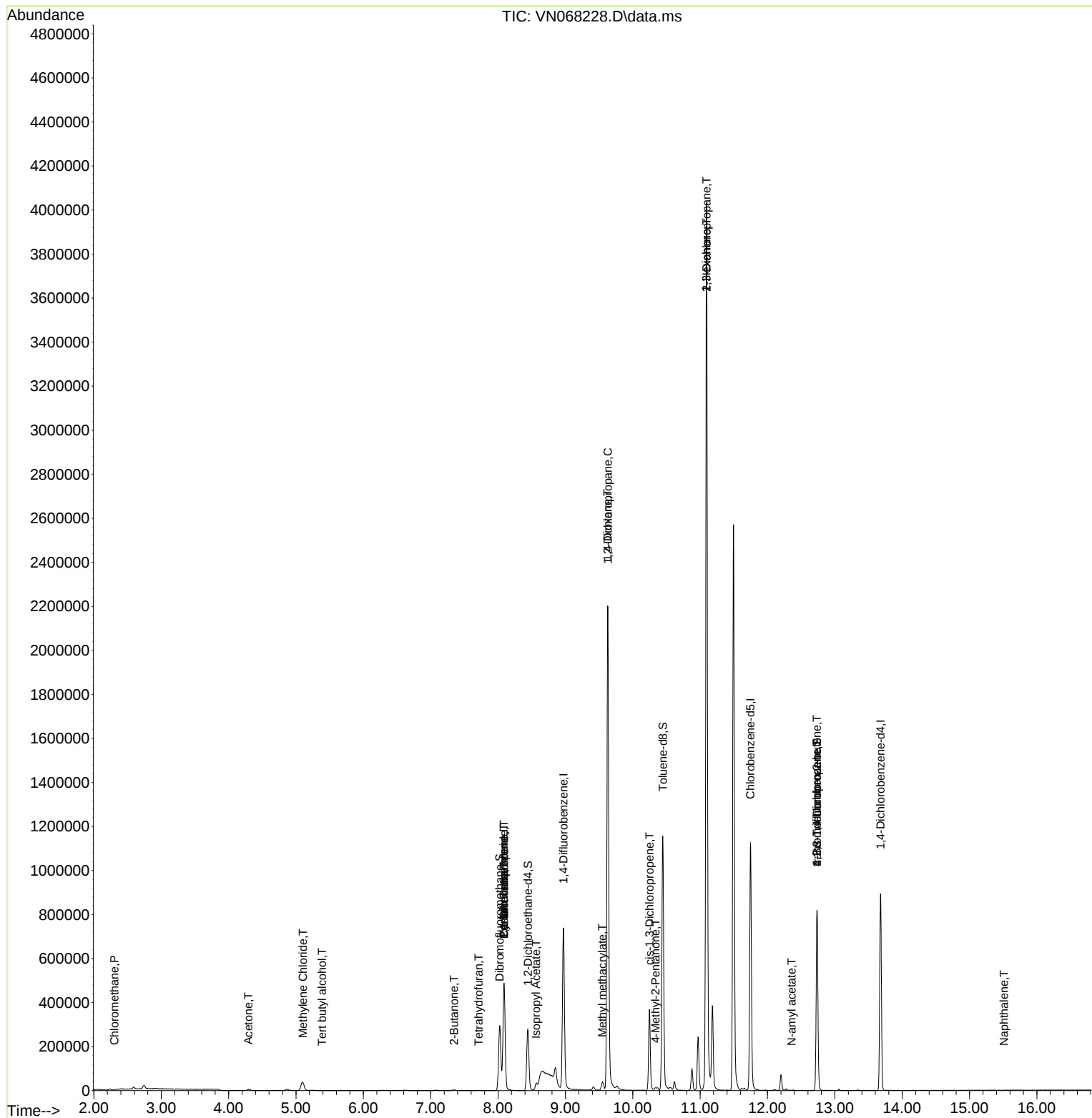
Internal Standards						
1) Pentafluorobenzene	8.088	168	401802	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	695787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	729403	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	271060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	236568	55.142	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 110.280%		
35) Dibromofluoromethane	8.024	113	214528	49.110	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 98.220%		
50) Toluene-d8	10.446	98	860138	51.676	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 103.360%		
62) 4-Bromofluorobenzene	12.733	95	275693	49.755	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 99.520%		
Target Compounds						
						Qvalue
3) Chloromethane	2.303	50	735	0.204	ug/l	# 43
5) Bromomethane	2.821	94	57	Below Cal	#	4
6) Chloroethane	3.019	64	25	Below Cal	#	44
11) Tert butyl alcohol	5.388	59	142	0.265	ug/l	# 71
13) Acrolein	4.057	56	101	Below Cal	#	73
16) Acetone	4.293	43	12328	9.842	ug/l	# 85
20) Methylene Chloride	5.103	84	33773	7.958	ug/l	# 80
25) 2-Butanone	7.345	43	2130	1.091	ug/l	97
29) Tetrahydrofuran	7.710	42	545	0.437	ug/l	# 48
31) Cyclohexane	8.088	56	6810	1.205	ug/l	# 1
36) 1,1-Dichloropropene	8.088	75	25673	4.514	ug/l	# 53
38) Carbon Tetrachloride	8.088	117	36540	5.570	ug/l	# 18
43) Isopropyl Acetate	8.563	43	40253	5.186	ug/l	93
45) 1,2-Dichloropropane	9.630	63	2940	0.720	ug/l	# 44
48) Methyl methacrylate	9.547	41	8963	2.771	ug/l	# 13
49) 1,4-Dioxane	9.628	88	247	3.159	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.338	43	4818	1.011	ug/l	# 87
54) cis-1,3-Dichloropropene	10.247	75	70810	10.750	ug/l	# 54
57) 1,3-Dichloropropane	11.095	76	46664	6.406	ug/l	# 43
59) 2-Hexanone	11.095	43	561621	169.641	ug/l	# 57
74) N-amyl acetate	12.358	43	1463	0.291	ug/l	# 47
76) 1,2,3-Trichloropropane	12.733	75	138566	30.756	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	138566	100.763	ug/l	# 6
95) Naphthalene	15.509	128	208	3.363	ug/l	# 69

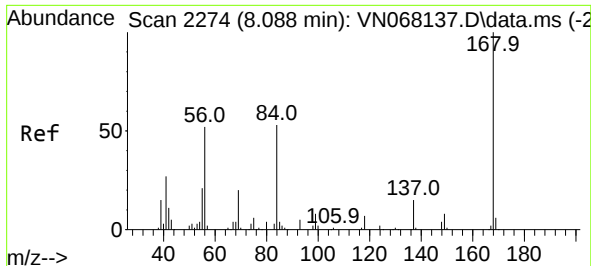
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 17 13:09:49 2021
Response via : Initial Calibration

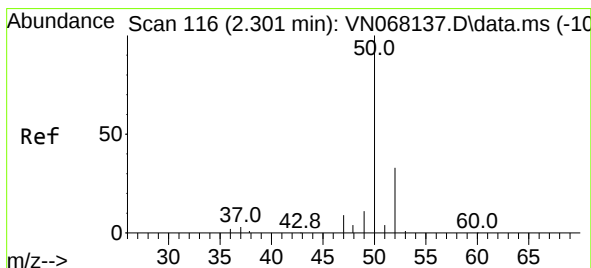
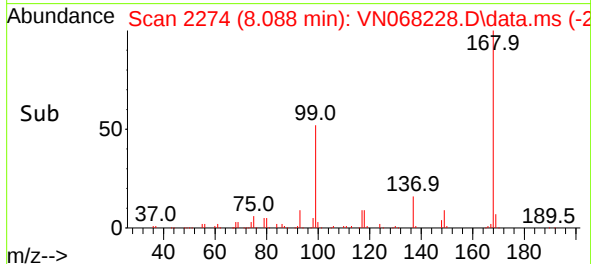
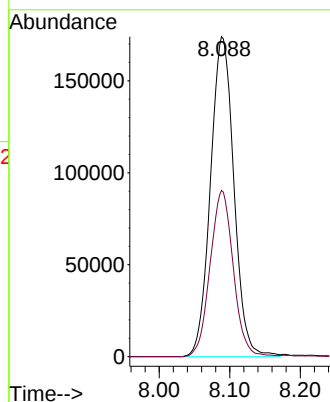
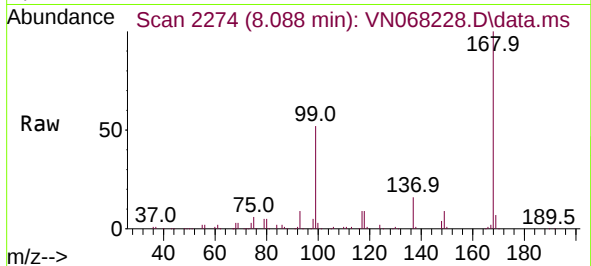




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

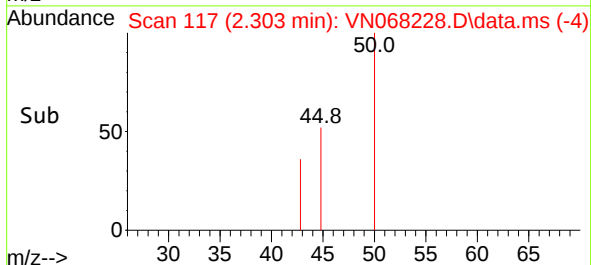
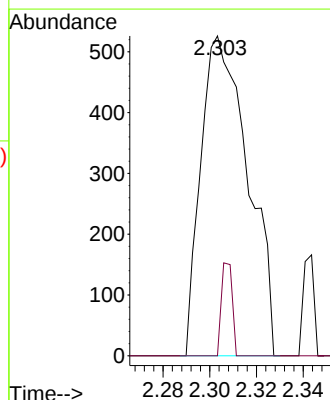
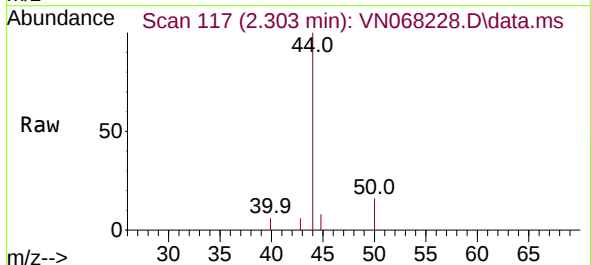
Instrument :
MSVOA_N
ClientSampled :

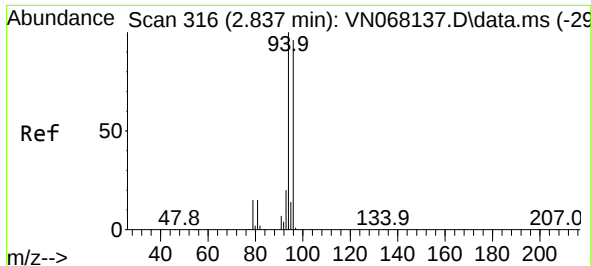
Tgt Ion:168 Resp: 401802
Ion Ratio Lower Upper
168 100
99 51.9 62.9 94.3#



#3
Chloromethane
Concen: 0.204 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

Tgt Ion: 50 Resp: 735
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

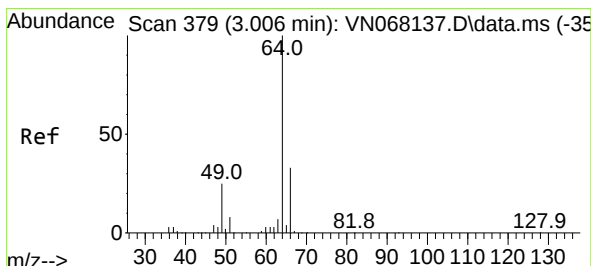
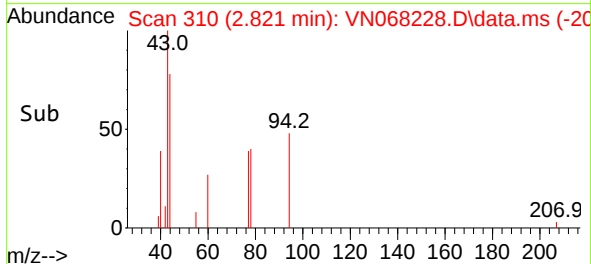
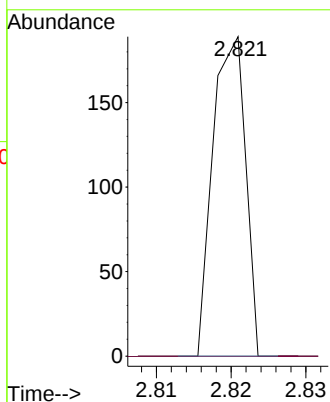
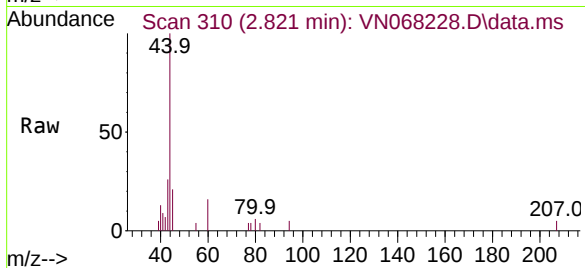




#5
Bromomethane
Concen: Below Cal
RT: 2.821 min Scan# 310
Delta R.T. -0.016 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

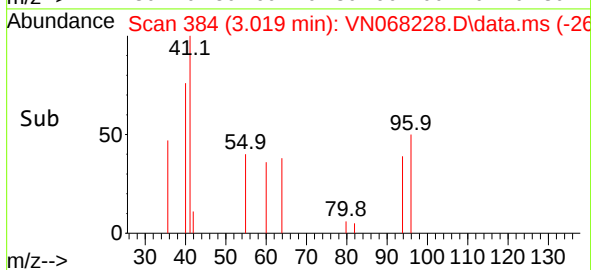
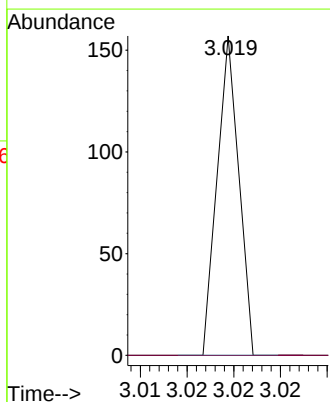
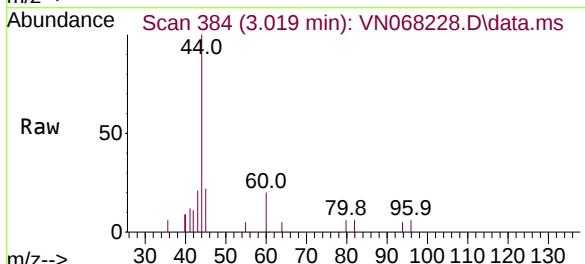
Instrument :
MSVOA_N
ClientSampled :

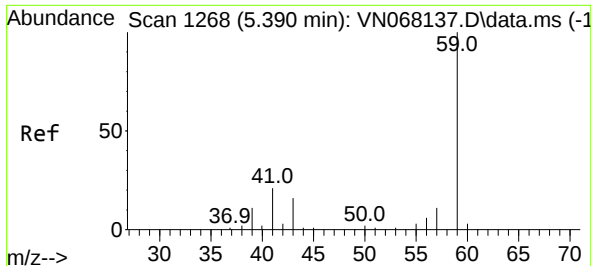
Tgt Ion: 94 Resp: 57
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.019 min Scan# 384
Delta R.T. 0.013 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

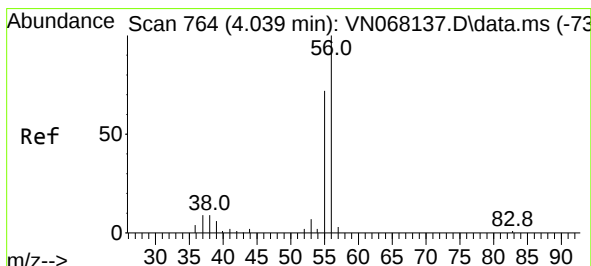
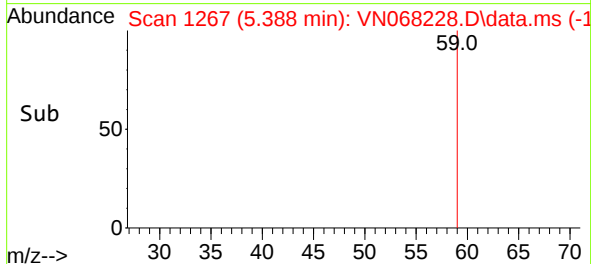
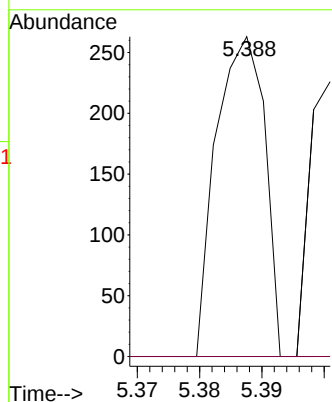
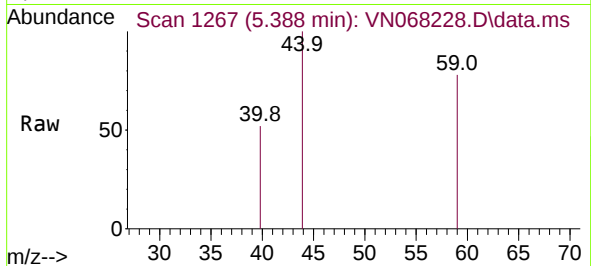




#11
Tert butyl alcohol
Concen: 0.265 ug/l
RT: 5.388 min Scan# 1267
Delta R.T. -0.002 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

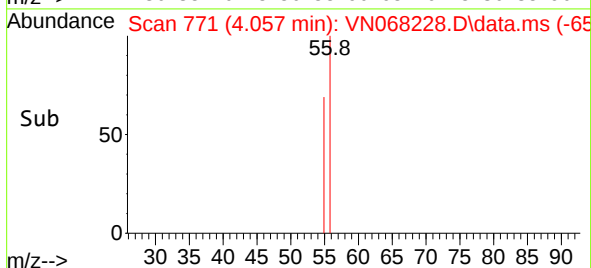
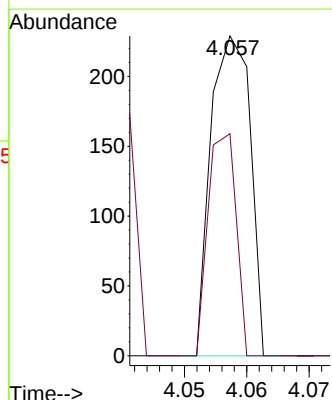
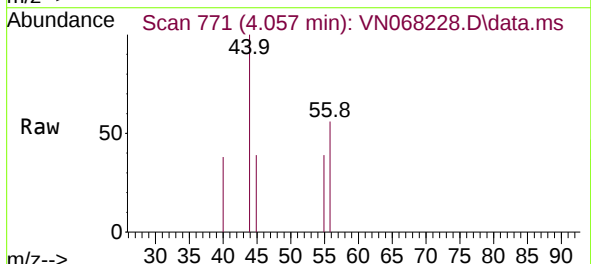
Instrument :
MSVOA_N
ClientSampled :

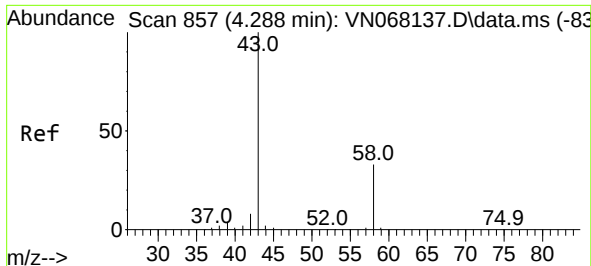
Tgt Ion: 59 Resp: 142
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: Below Cal
RT: 4.057 min Scan# 771
Delta R.T. 0.018 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

Tgt Ion: 56 Resp: 101
Ion Ratio Lower Upper
56 100
55 49.5 57.4 86.0#

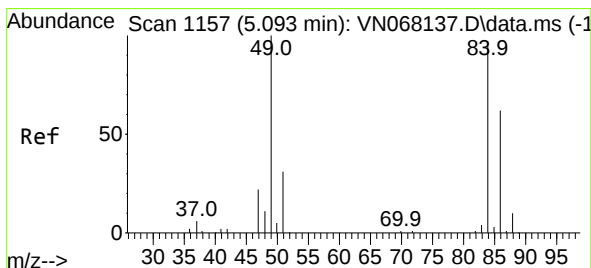
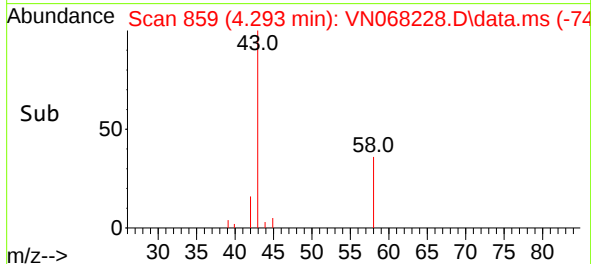
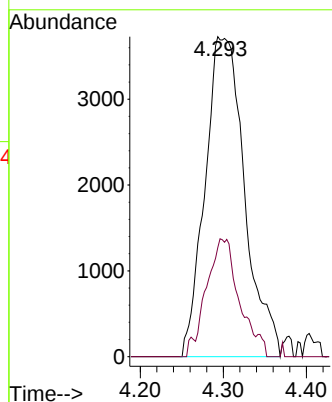
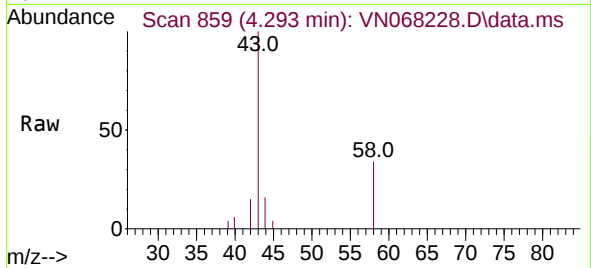




#16
Acetone
Concen: 9.842 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

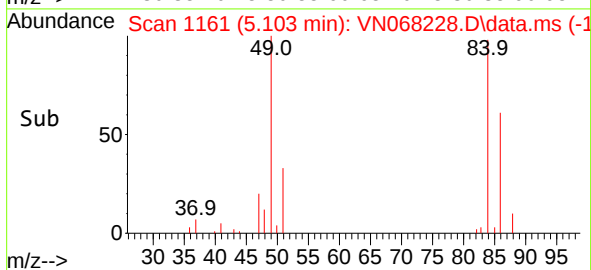
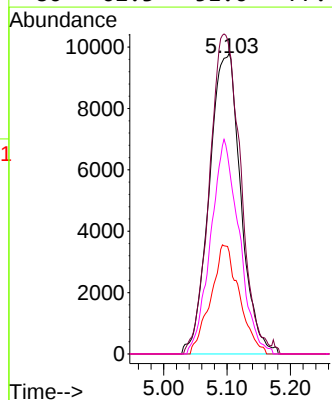
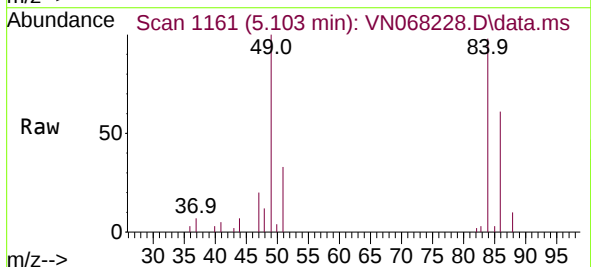
Instrument :
MSVOA_N
ClientSampled :

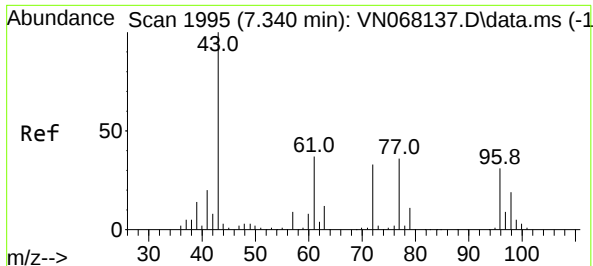
Tgt Ion: 43 Resp: 12328
Ion Ratio Lower Upper
43 100
58 34.1 21.2 31.8#



#20
Methylene Chloride
Concen: 7.958 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.010 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

Tgt Ion: 84 Resp: 33773
Ion Ratio Lower Upper
84 100
49 101.7 110.9 166.3#
51 34.0 32.6 49.0
86 62.3 51.6 77.4

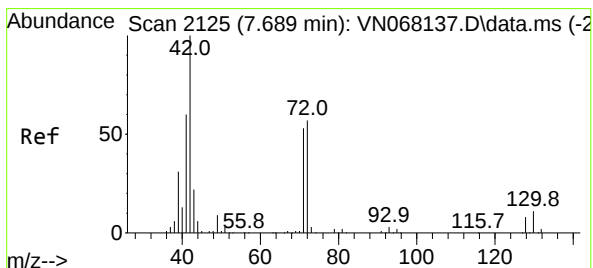
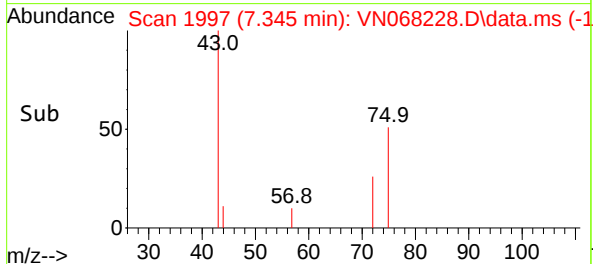
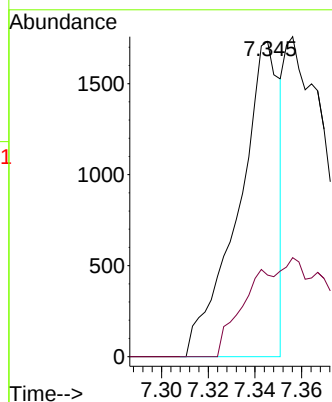
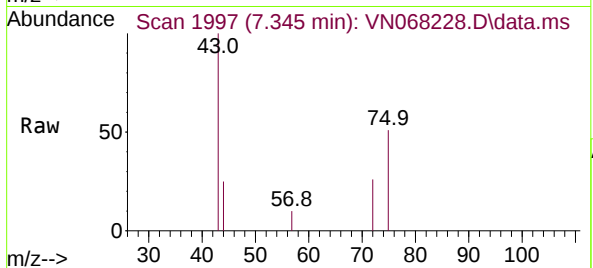




#25
2-Butanone
Concen: 1.091 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.005 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

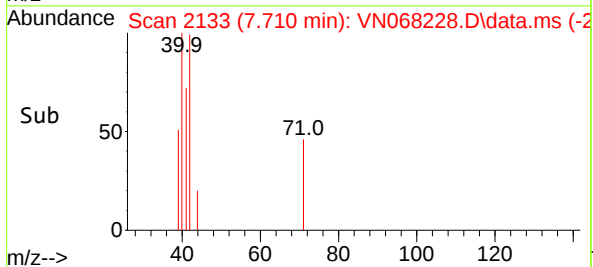
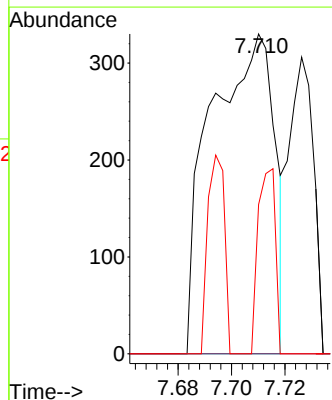
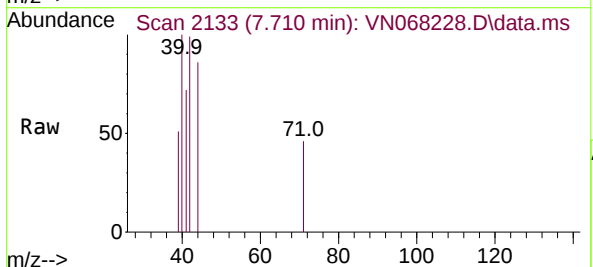
Instrument :
MSVOA_N
ClientSampled :

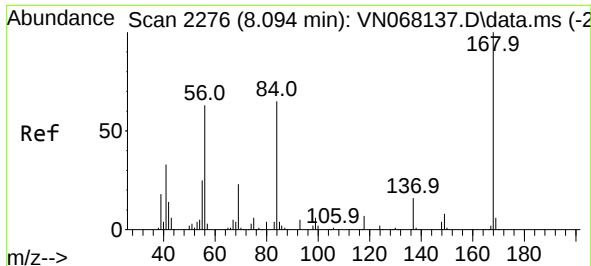
Tgt Ion: 43 Resp: 2130
Ion Ratio Lower Upper
43 100
72 25.9 19.7 29.5



#29
Tetrahydrofuran
Concen: 0.437 ug/l
RT: 7.710 min Scan# 2133
Delta R.T. 0.021 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

Tgt Ion: 42 Resp: 545
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 15.6 31.2 46.8#





#31

Cyclohexane

Concen: 1.205 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.006 min

Lab File: VN068228.D

Acq: 19 Aug 2021 19:58

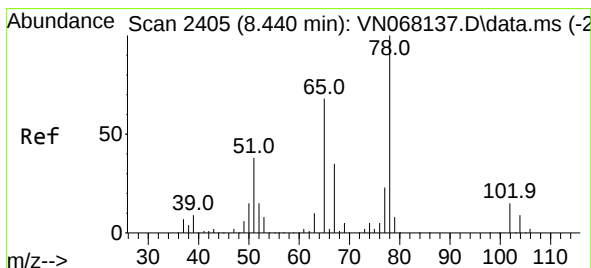
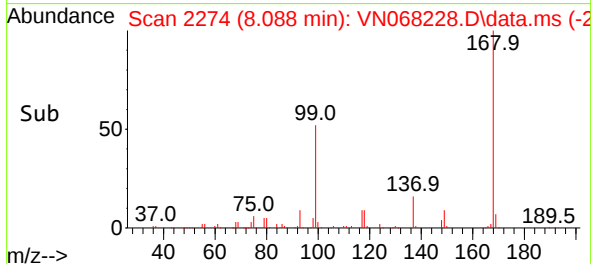
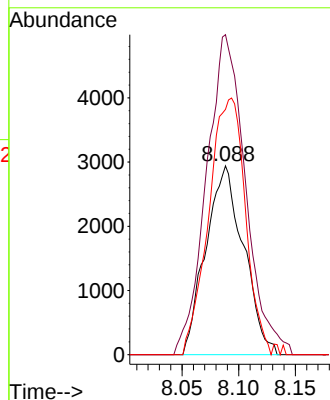
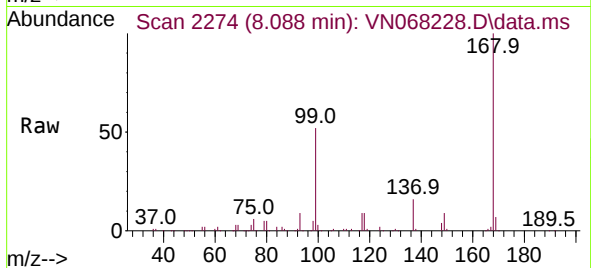
Tgt Ion: 56 Resp: 6810

Ion Ratio Lower Upper

56 100

69 161.1 27.3 40.9#

84 130.0 64.9 97.3#



#33

1,2-Dichloroethane-d4

Concen: 55.142 ug/l

RT: 8.442 min Scan# 2406

Delta R.T. 0.002 min

Lab File: VN068228.D

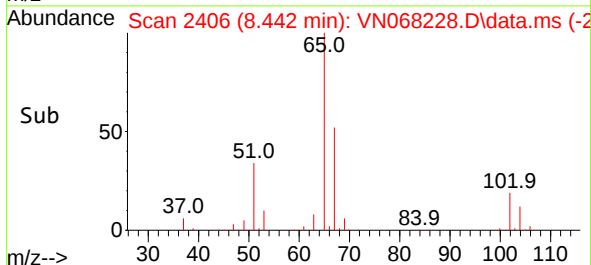
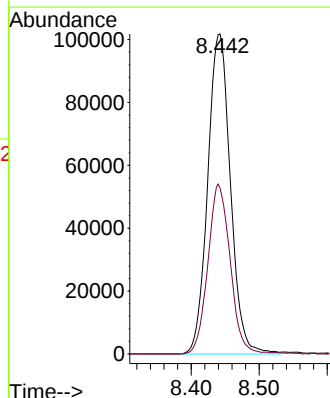
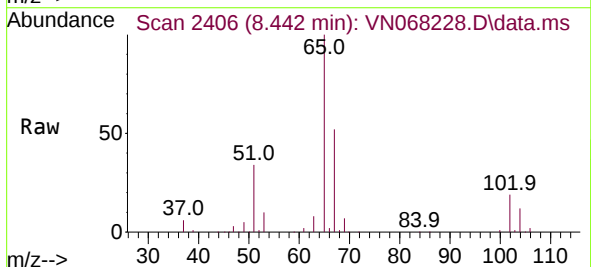
Acq: 19 Aug 2021 19:58

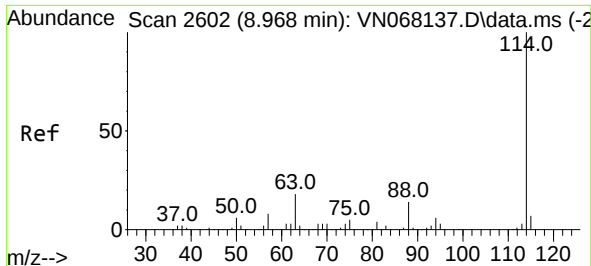
Tgt Ion: 65 Resp: 236568

Ion Ratio Lower Upper

65 100

67 51.8 0.0 98.6

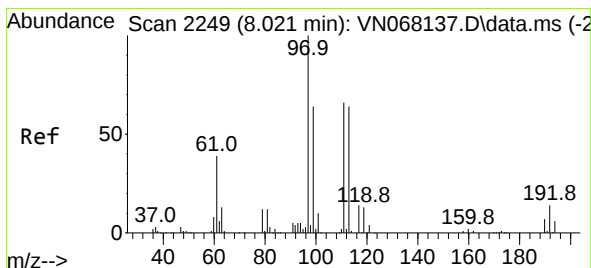
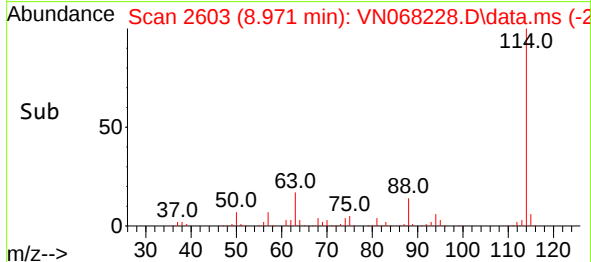
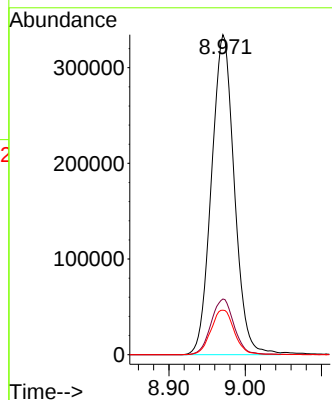
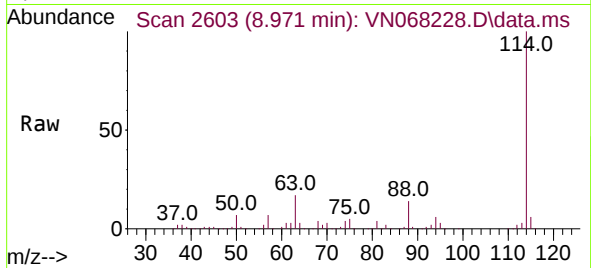




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

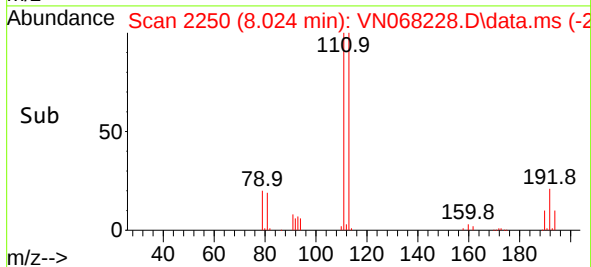
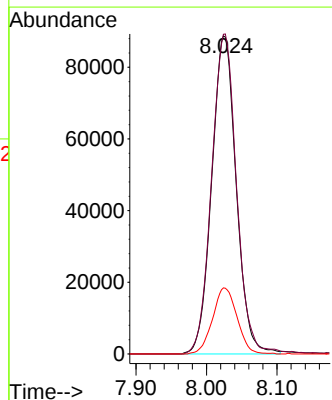
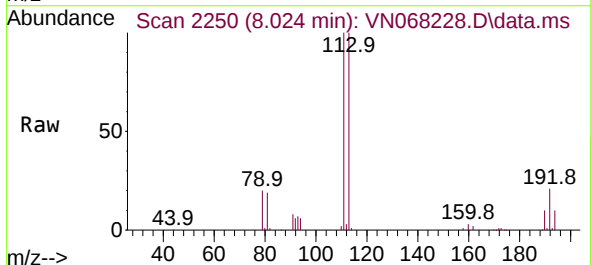
Instrument :
MSVOA_N
ClientSampled :

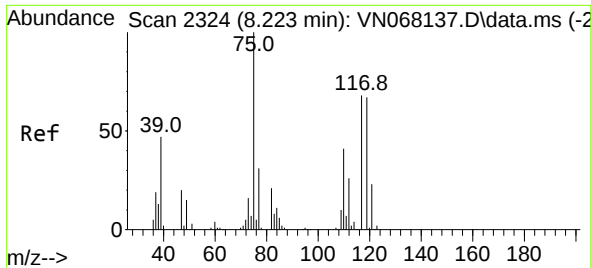
Tgt Ion:114 Resp: 695787
Ion Ratio Lower Upper
114 100
63 17.4 0.0 49.0
88 13.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.110 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

Tgt Ion:113 Resp: 214528
Ion Ratio Lower Upper
113 100
111 102.2 83.8 125.8
192 20.7 13.4 20.0#

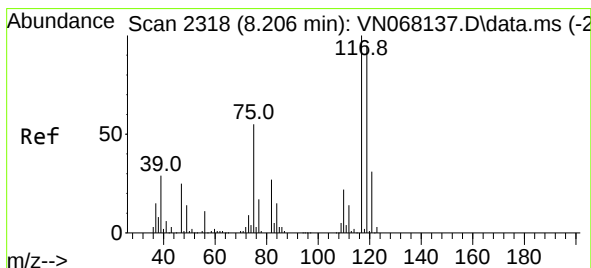
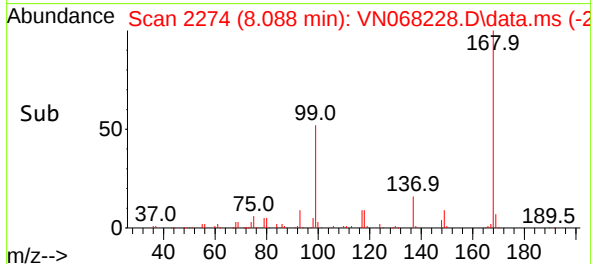
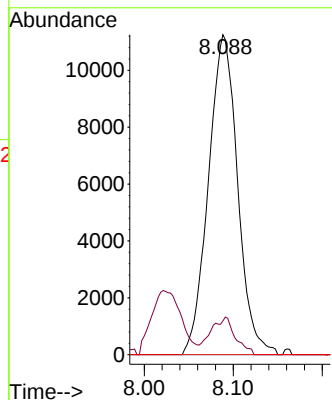
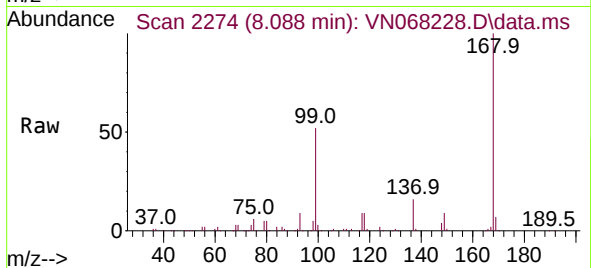




#36
1,1-Dichloropropene
Concen: 4.514 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

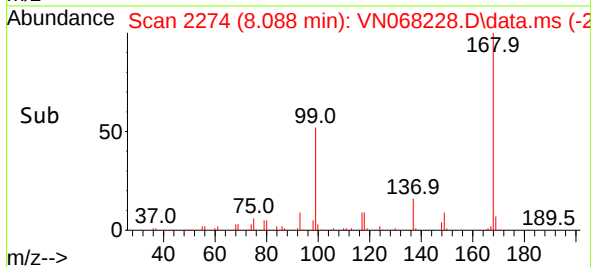
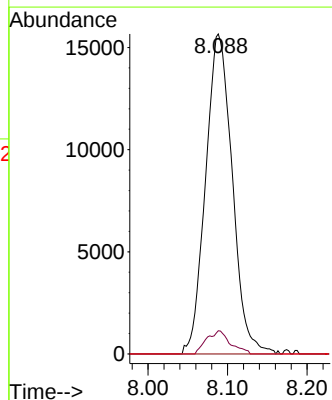
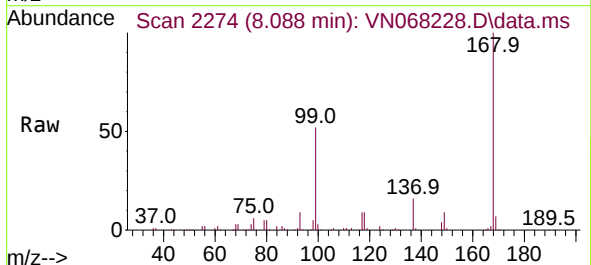
Instrument :
MSVOA_N
ClientSampled :

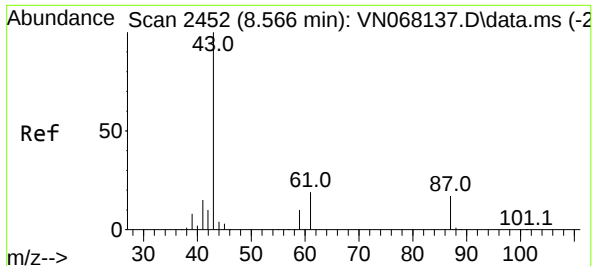
Tgt Ion: 75 Resp: 25673
Ion Ratio Lower Upper
75 100
110 9.9 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.570 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

Tgt Ion: 117 Resp: 36540
Ion Ratio Lower Upper
117 100
119 7.3 75.4 113.2#
121 0.0 23.5 35.3#

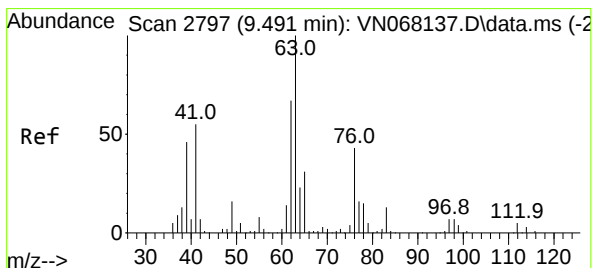
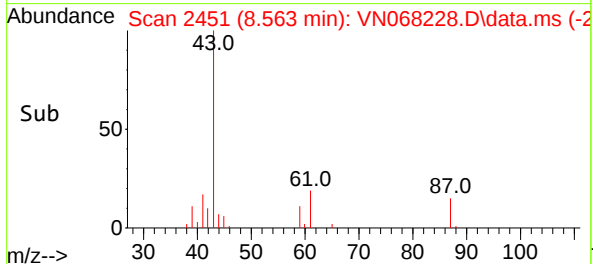
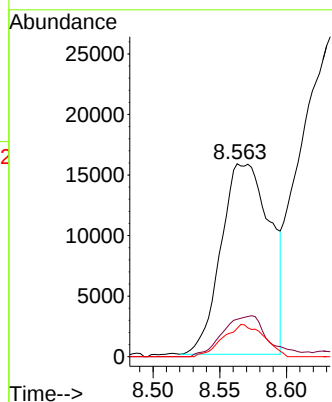
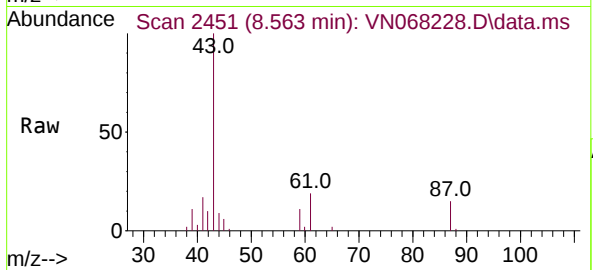




#43
Isopropyl Acetate
Concen: 5.186 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. -0.003 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

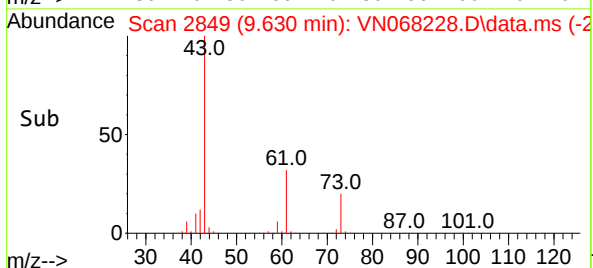
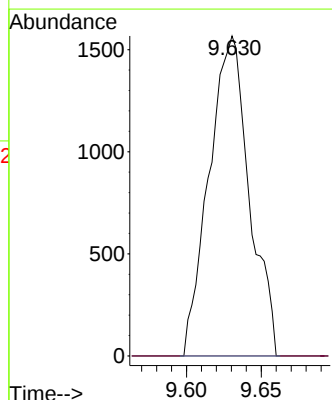
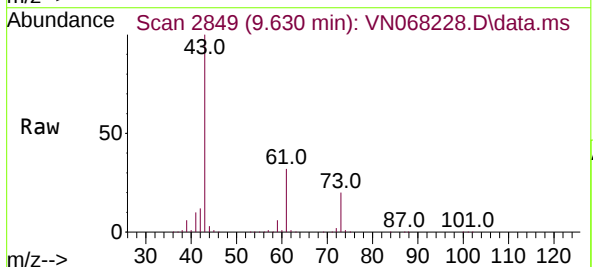
Instrument :
MSVOA_N
ClientSampleId :

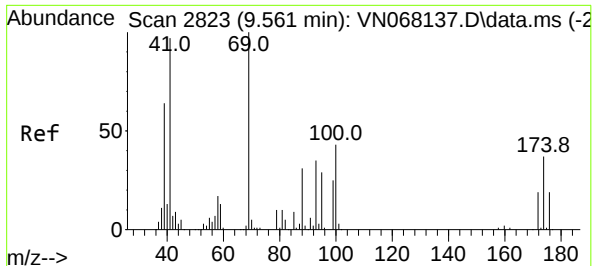
Tgt Ion: 43 Resp: 40253
Ion Ratio Lower Upper
43 100
61 20.1 19.0 28.4
87 14.0 9.5 14.3



#45
1,2-Dichloropropane
Concen: 0.720 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.139 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

Tgt Ion: 63 Resp: 2940
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

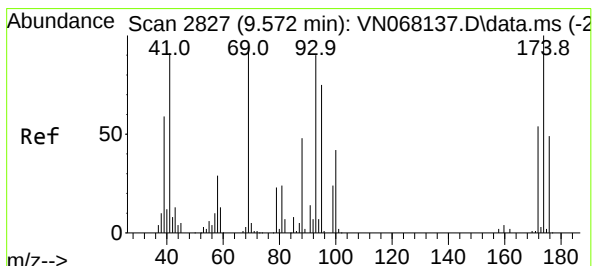
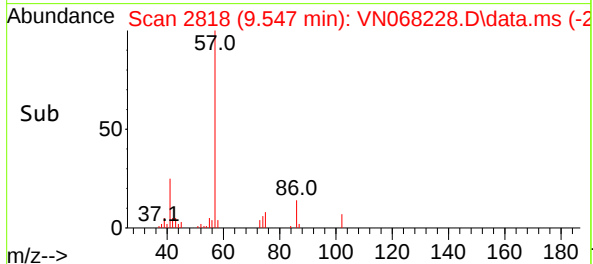
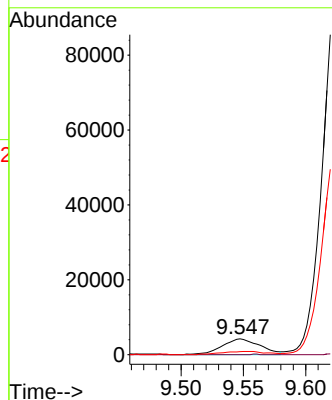
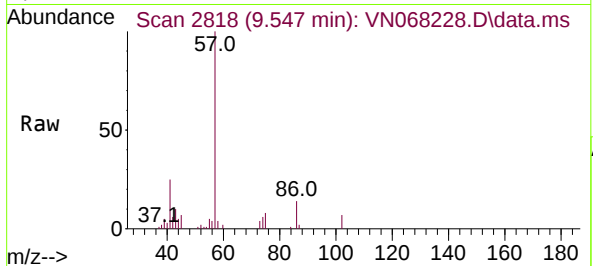




#48
Methyl methacrylate
Concen: 2.771 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

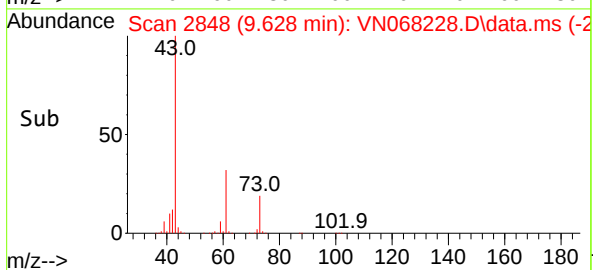
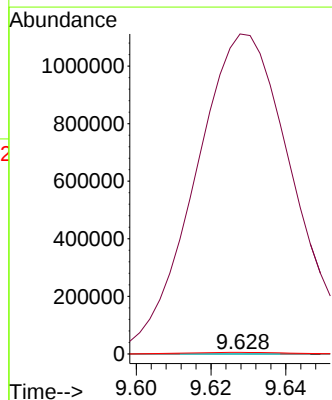
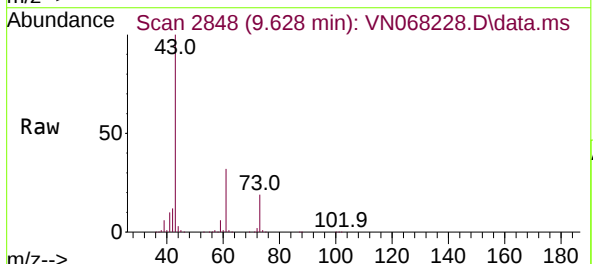
Instrument :
MSVOA_N
ClientSampled :

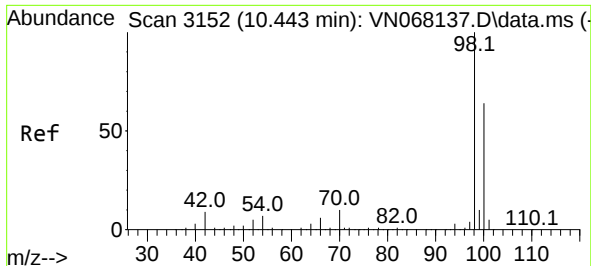
Tgt Ion: 41 Resp: 8963
Ion Ratio Lower Upper
41 100
69 0.6 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 3.159 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.056 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

Tgt Ion: 88 Resp: 247
Ion Ratio Lower Upper
88 100
43 848906.9 28.8 43.2#
58 4502.4 60.4 90.6#

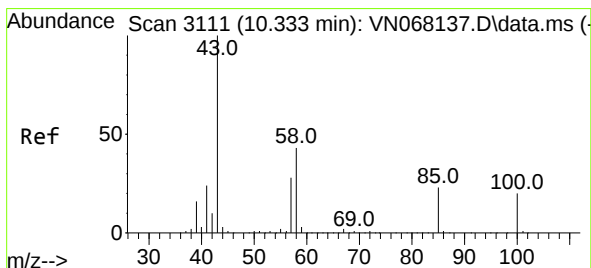
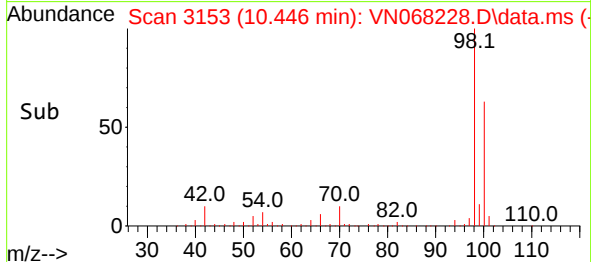
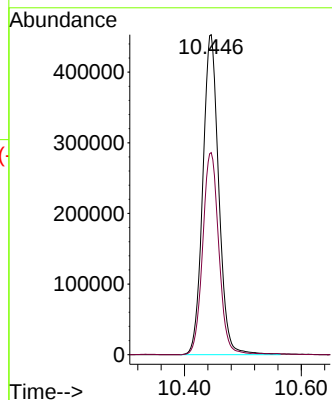
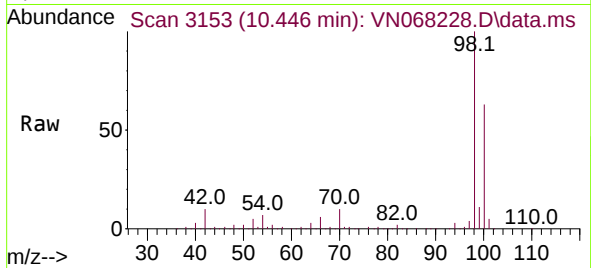




#50
Toluene-d8
Concen: 51.676 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

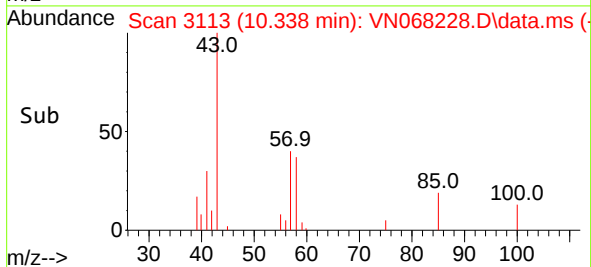
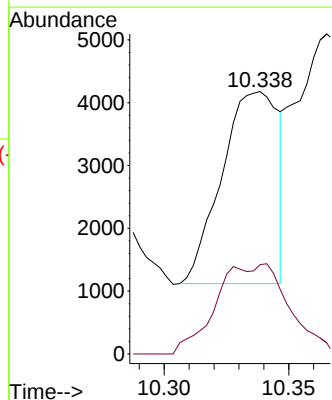
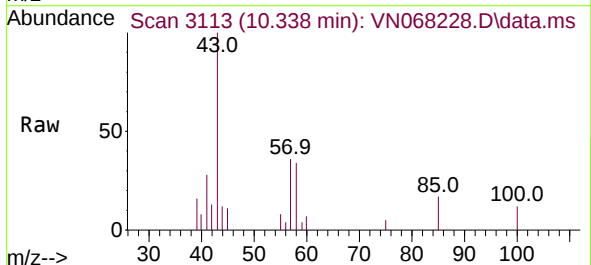
Instrument :
MSVOA_N
ClientSampled :

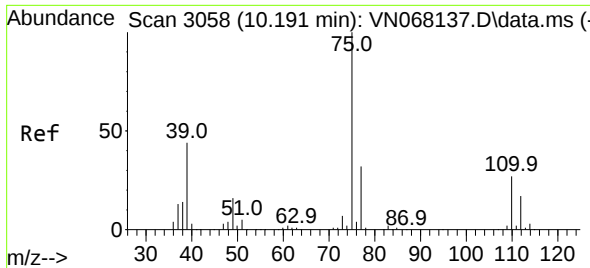
Tgt Ion: 98 Resp: 860138
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.011 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.005 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

Tgt Ion: 43 Resp: 4818
Ion Ratio Lower Upper
43 100
58 28.4 28.6 43.0#

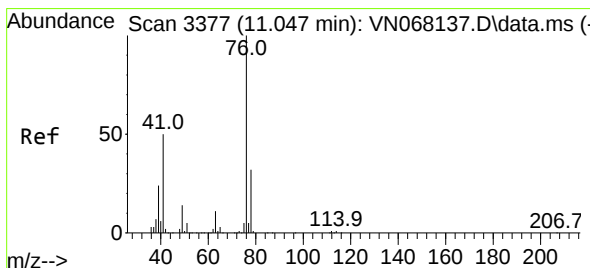
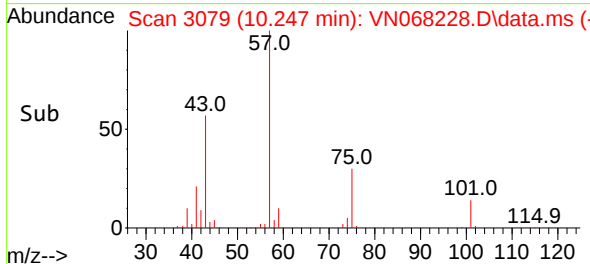
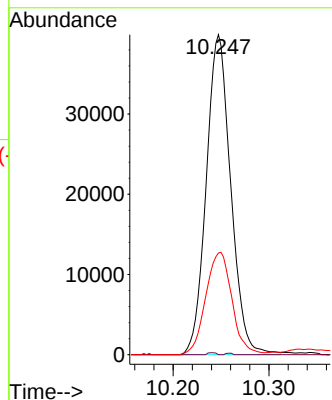
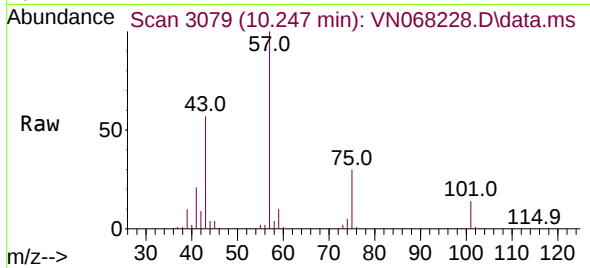




#54
 cis-1,3-Dichloropropene
 Concen: 10.750 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN068228.D
 Acq: 19 Aug 2021 19:58

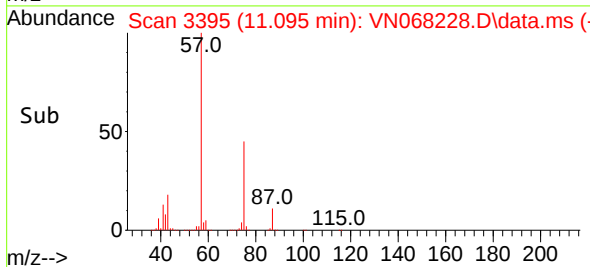
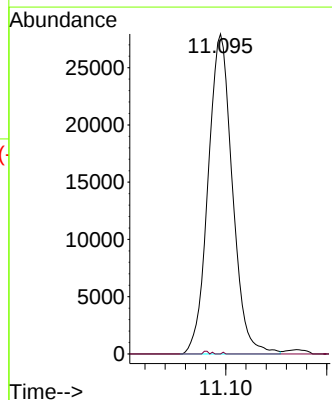
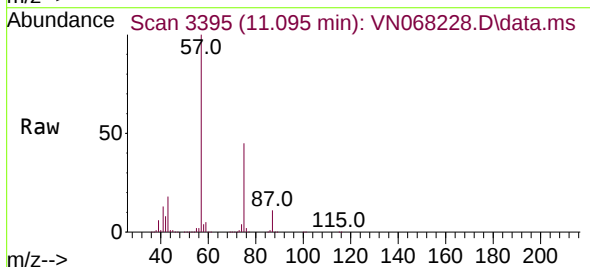
Instrument :
 MSVOA_N
 ClientSampled :

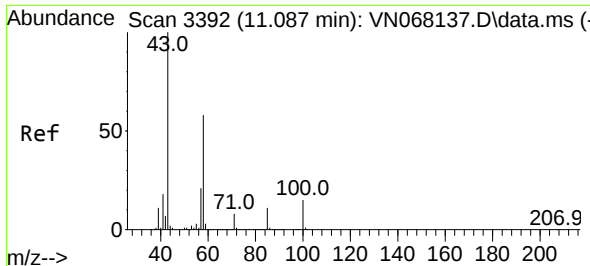
Tgt Ion: 75 Resp: 70810
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 37.0#
 39 31.8 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 6.406 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.048 min
 Lab File: VN068228.D
 Acq: 19 Aug 2021 19:58

Tgt Ion: 76 Resp: 46664
 Ion Ratio Lower Upper
 76 100
 78 0.1 25.7 38.5#

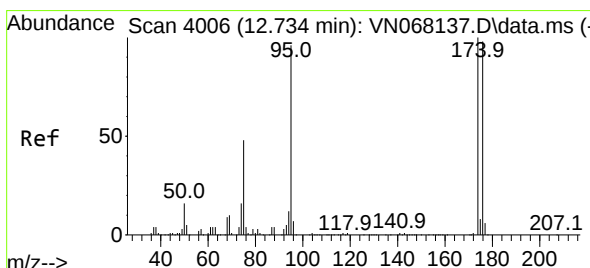
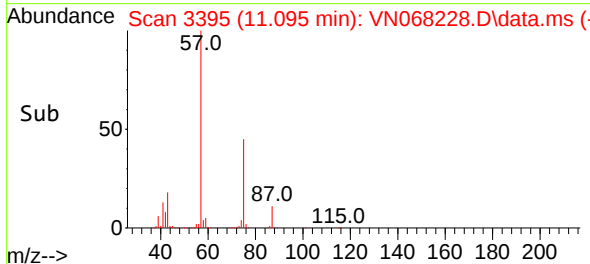
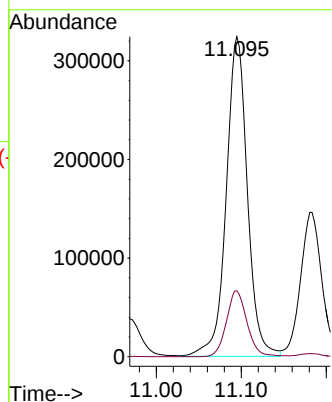
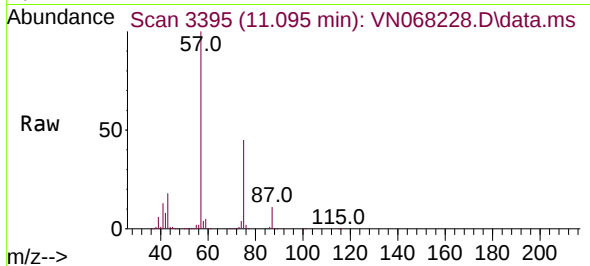




#59
2-Hexanone
Concen: 169.641 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

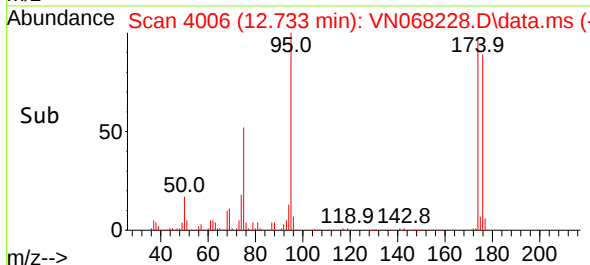
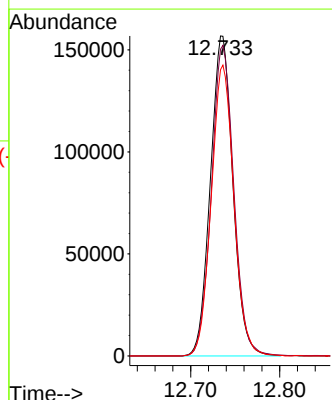
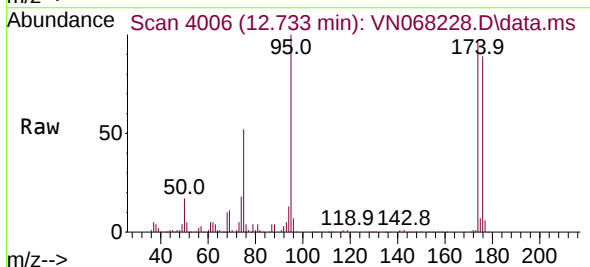
Instrument :
MSVOA_N
ClientSampled :

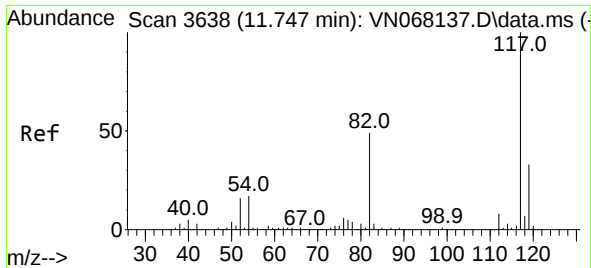
Tgt Ion: 43 Resp: 561621
Ion Ratio Lower Upper
43 100
58 20.1 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 49.755 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

Tgt Ion: 95 Resp: 275693
Ion Ratio Lower Upper
95 100
174 96.8 0.0 122.0
176 91.2 0.0 117.6

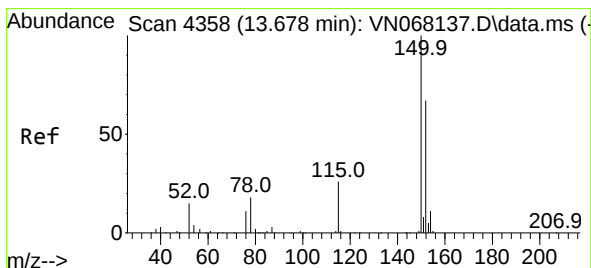
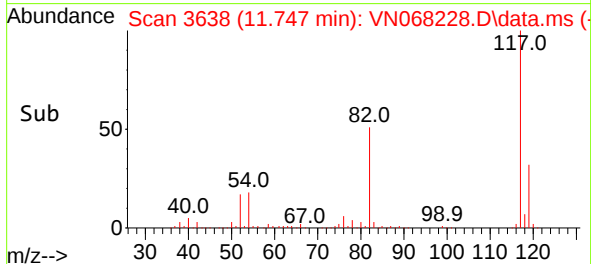
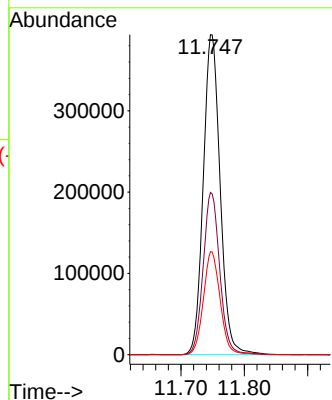
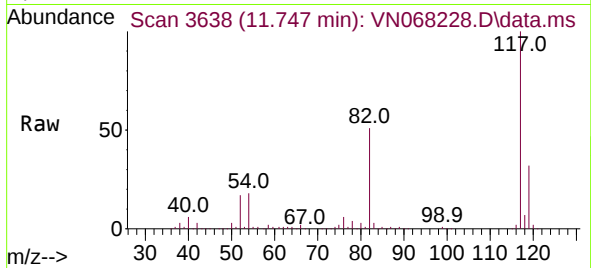




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

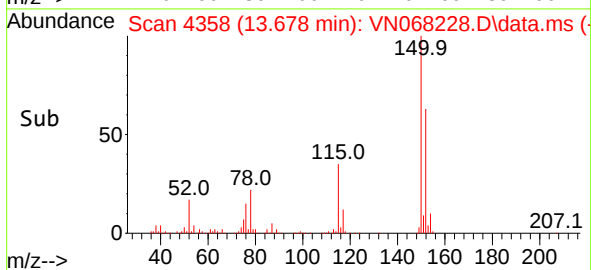
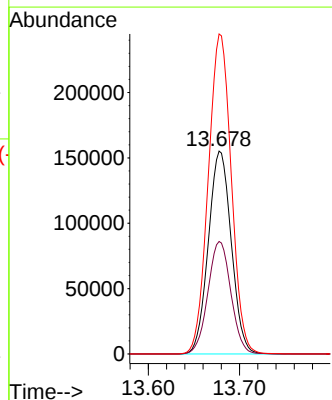
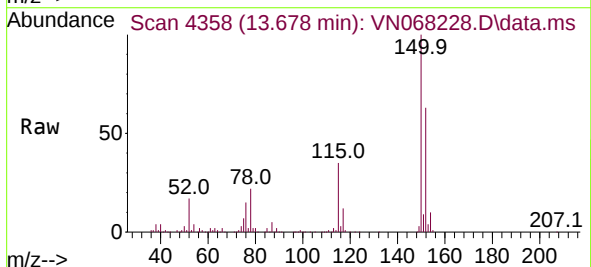
Instrument :
MSVOA_N
ClientSampleId :

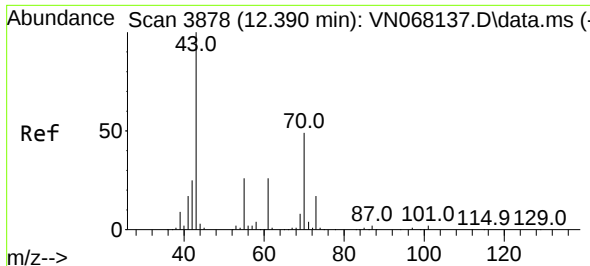
Tgt Ion:117 Resp: 729403
Ion Ratio Lower Upper
117 100
82 50.7 53.1 79.7#
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

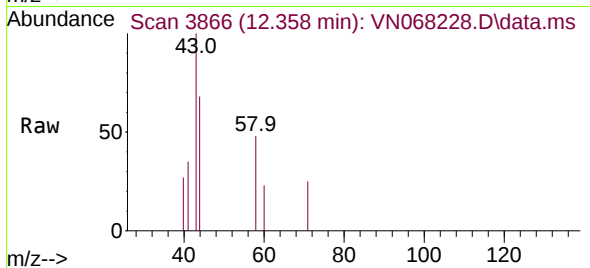
Tgt Ion:152 Resp: 271060
Ion Ratio Lower Upper
152 100
115 55.4 36.1 108.5
150 158.2 0.0 351.8



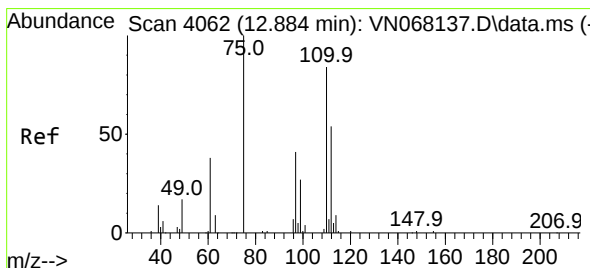
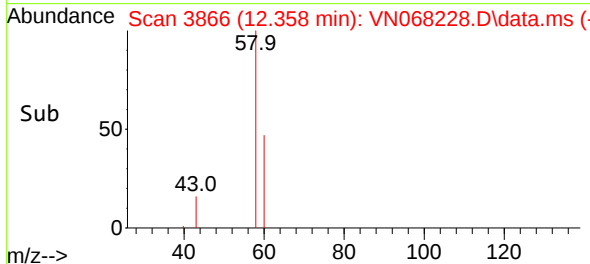
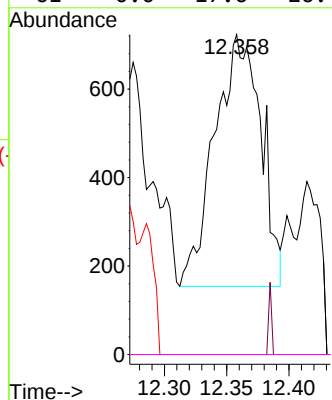


#74
N-amy1 acetate
Concen: 0.291 ug/l
RT: 12.358 min Scan# 3866
Delta R.T. -0.032 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

Instrument :
MSVOA_N
ClientSampleId :

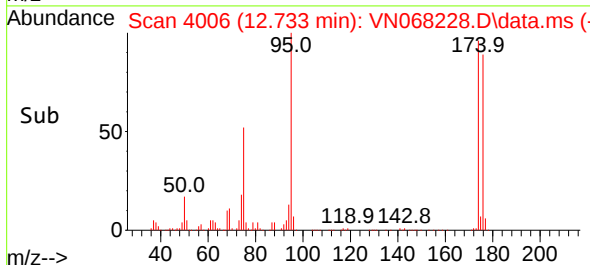
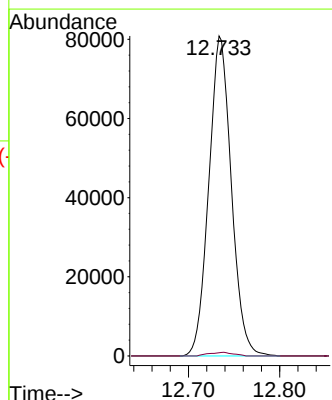
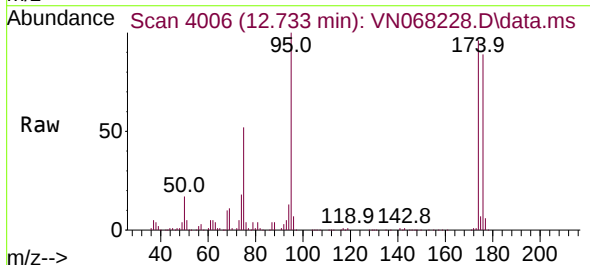


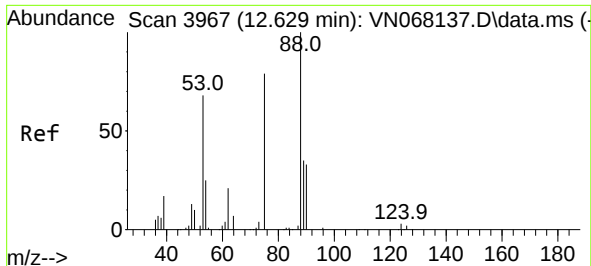
Tgt Ion: 43	Resp: 1463
Ion Ratio	Lower Upper
43	100
70	0.0 29.4 44.2#
55	0.0 17.0 25.4#
61	0.0 17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 30.756 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

Tgt Ion: 75	Resp: 138566
Ion Ratio	Lower Upper
75	100
77	1.2 0.0 0.0#

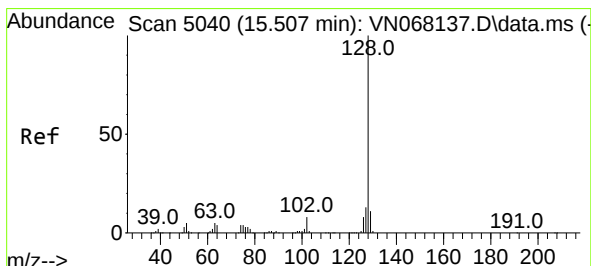
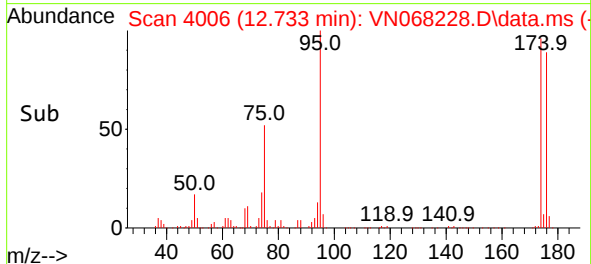
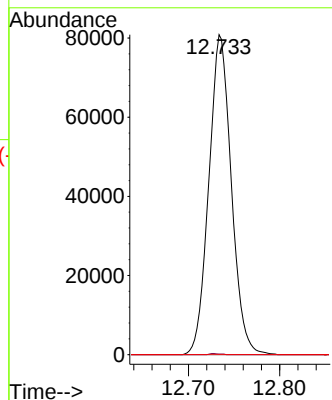
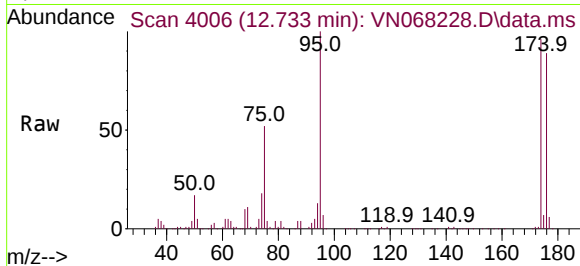




#81
trans-1,4-Dichloro-2-butene
Concen: 100.763 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 138566
Ion Ratio Lower Upper
75 100
53 0.2 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 3.363 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068228.D
Acq: 19 Aug 2021 19:58

Tgt Ion:128 Resp: 208
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

