

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081821\
 Data File : VN068205.D
 Acq On : 18 Aug 2021 20:08
 Operator : JC/MD
 Sample : M3449-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP1

Quant Time: Aug 19 03:08:40 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)

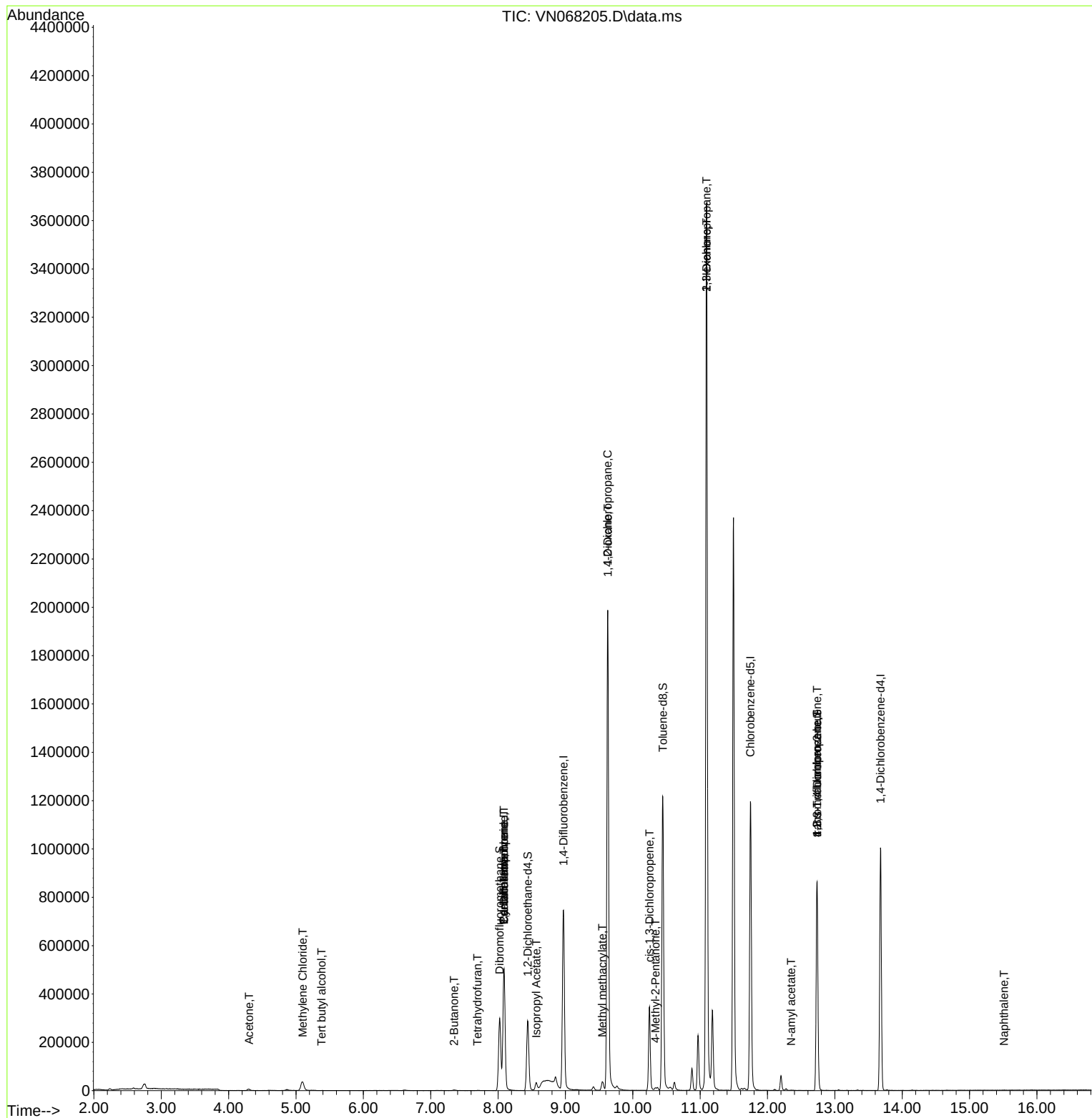
Internal Standards						
1) Pentafluorobenzene	8.088	168	418951	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	734971	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	786350	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	301042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	245859	54.962	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.920%			
35) Dibromofluoromethane	8.024	113	218768	47.410	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 94.820%			
50) Toluene-d8	10.446	98	905030	51.474	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.940%			
62) 4-Bromofluorobenzene	12.736	95	296726	50.696	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.400%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.848	94	235	Below Cal	#	4
6) Chloroethane	3.199	64	132	Below Cal	#	44
11) Tert butyl alcohol	5.380	59	221	0.396	ug/l #	71
13) Acrolein	4.033	56	25	Below Cal	#	1
16) Acetone	4.301	43	11681	8.944	ug/l #	80
18) Methyl Acetate	4.870	43	7374	Below Cal	#	88
20) Methylene Chloride	5.098	84	32397	7.143	ug/l #	77
25) 2-Butanone	7.345	43	4979	2.446	ug/l	100
29) Tetrahydrofuran	7.694	42	376	0.289	ug/l #	71
31) Cyclohexane	8.088	56	7451	1.265	ug/l #	8
36) 1,1-Dichloropropene	8.088	75	28071	4.672	ug/l #	53
38) Carbon Tetrachloride	8.088	117	39461	5.695	ug/l #	17
43) Isopropyl Acetate	8.568	43	37859	4.618	ug/l #	89
45) 1,2-Dichloropropane	9.628	63	2413	0.559	ug/l #	44
48) Methyl methacrylate	9.547	41	8389	2.455	ug/l #	12
49) 1,4-Dioxane	9.630	88	142	1.719	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	4202	0.834	ug/l #	56
54) cis-1,3-Dichloropropene	10.247	75	66904	9.615	ug/l #	56
57) 1,3-Dichloropropane	11.095	76	43731	5.683	ug/l #	43
59) 2-Hexanone	11.095	43	517293	147.921	ug/l #	57
74) N-amyl acetate	12.353	43	1385	0.248	ug/l #	49
76) 1,2,3-Trichloropropane	12.736	75	153038	30.585	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.736	75	153038	100.203	ug/l #	6
95) Naphthalene	15.512	128	363	3.373	ug/l #	69

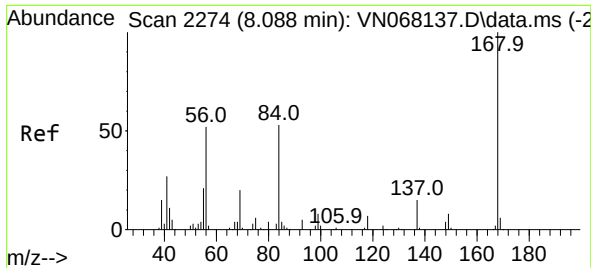
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

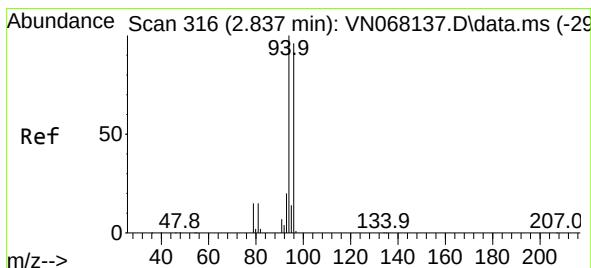
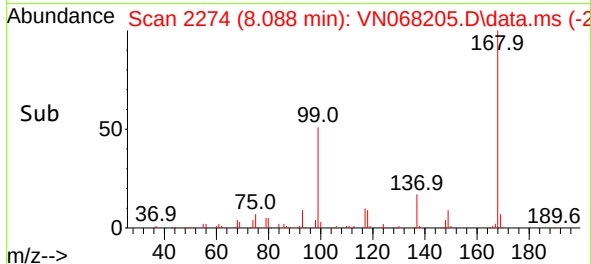
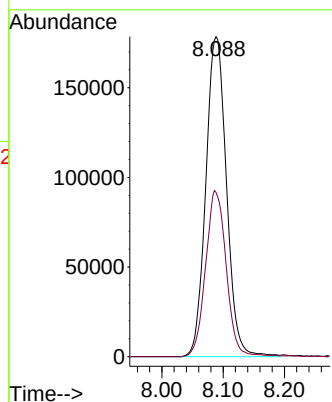
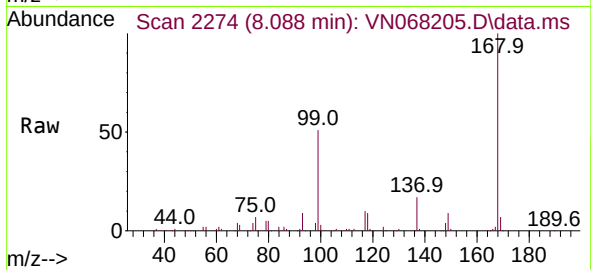




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

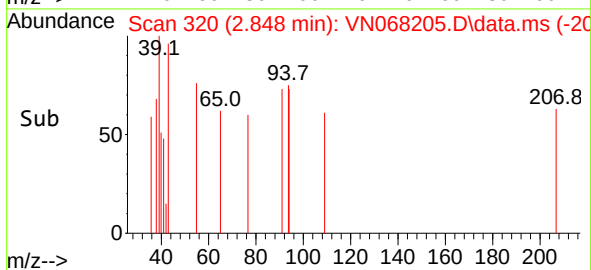
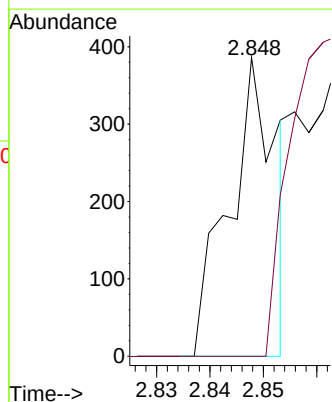
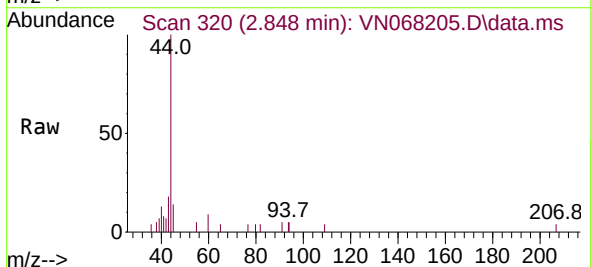
Instrument :
MSVOA_N
ClientSampled :
TP1

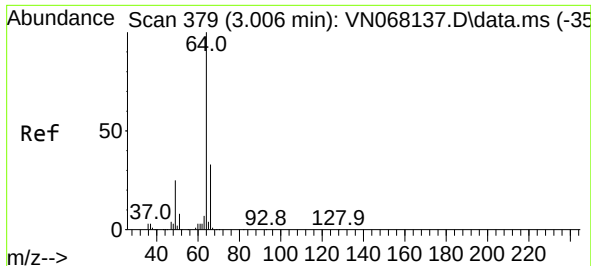
Tgt Ion:168 Resp: 418951
Ion Ratio Lower Upper
168 100
99 51.3 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.848 min Scan# 320
Delta R.T. 0.011 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

Tgt Ion: 94 Resp: 235
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

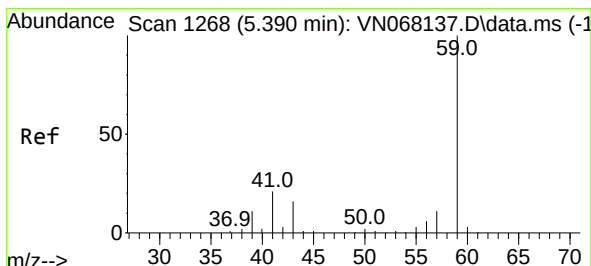
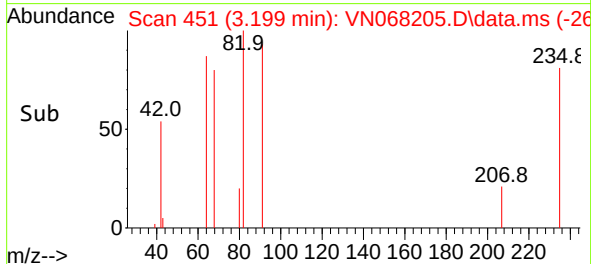
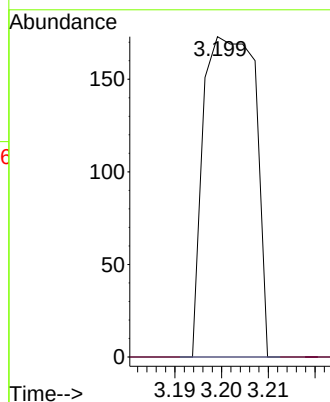
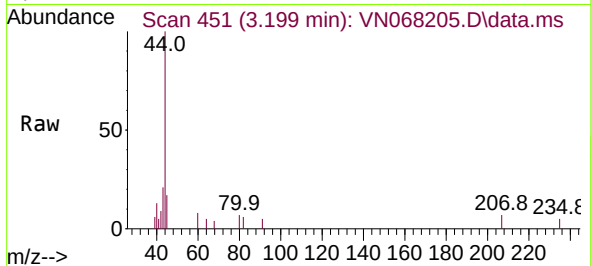




#6
Chloroethane
Concen: Below Cal
RT: 3.199 min Scan# 451
Delta R.T. 0.193 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

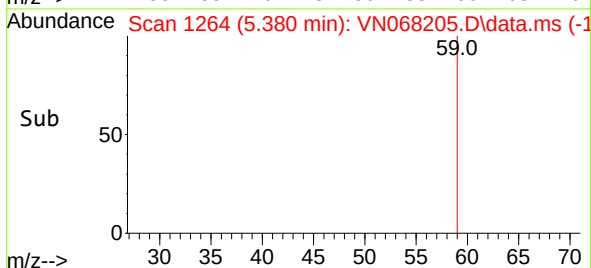
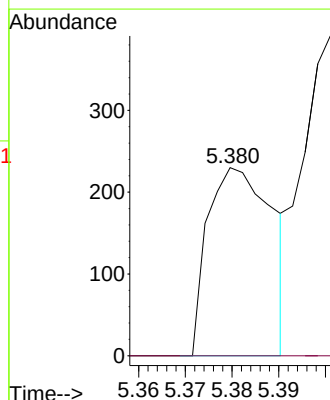
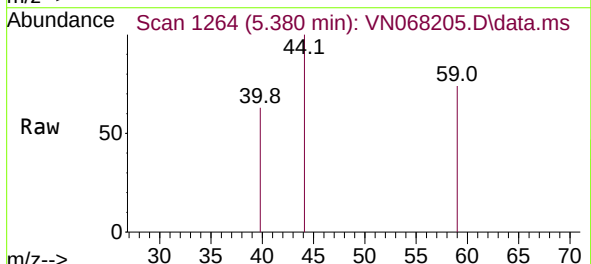
Instrument :
MSVOA_N
ClientSampled :
TP1

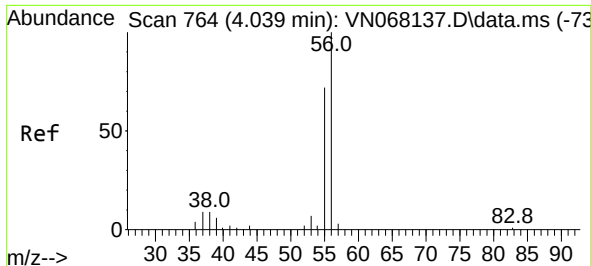
Tgt Ion: 64 Resp: 132
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.396 ug/l
RT: 5.380 min Scan# 1264
Delta R.T. -0.010 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

Tgt Ion: 59 Resp: 221
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

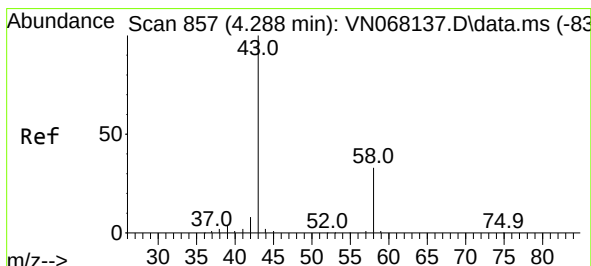
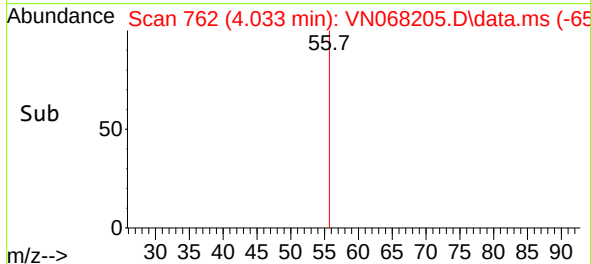
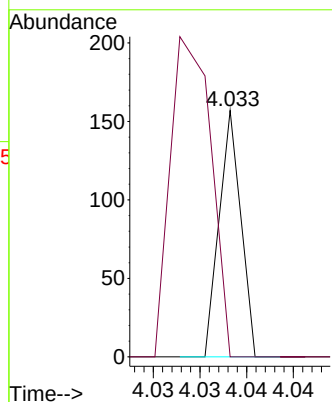
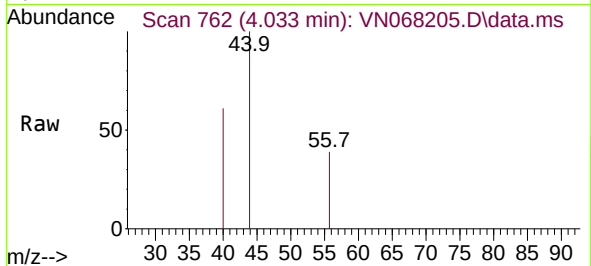




#13
Acrolein
Concen: Below Cal
RT: 4.033 min Scan# 762
Delta R.T. -0.006 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

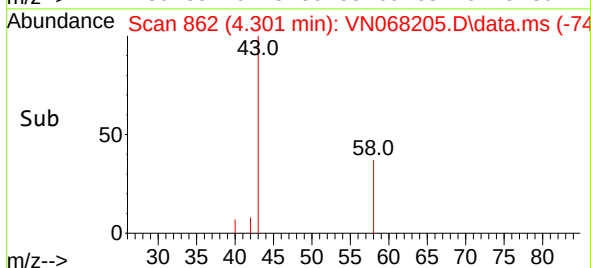
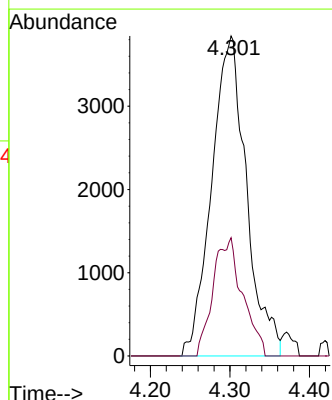
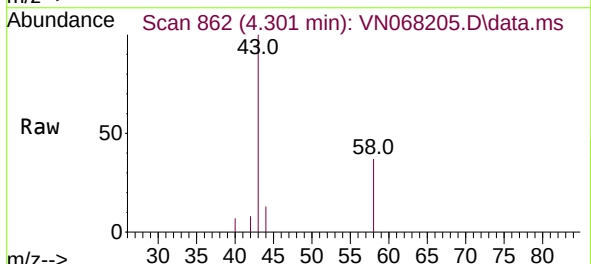
Instrument :
MSVOA_N
ClientSampled :
TP1

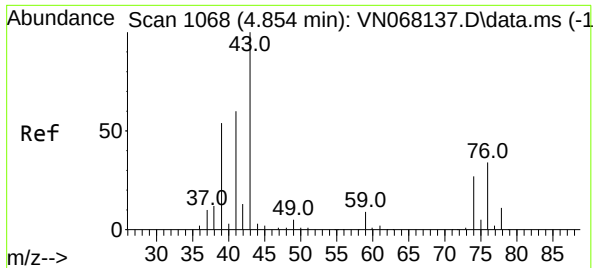
Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 248.0 57.4 86.0#



#16
Acetone
Concen: 8.944 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.013 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

Tgt Ion: 43 Resp: 11681
Ion Ratio Lower Upper
43 100
58 37.0 21.2 31.8#

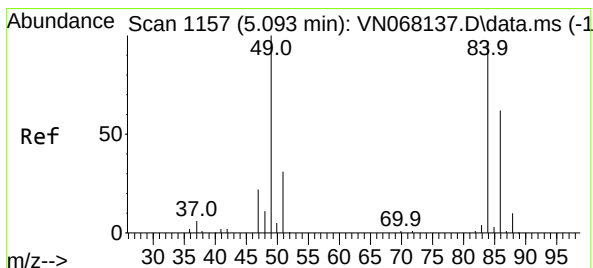
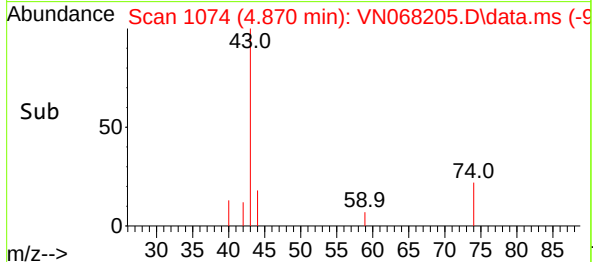
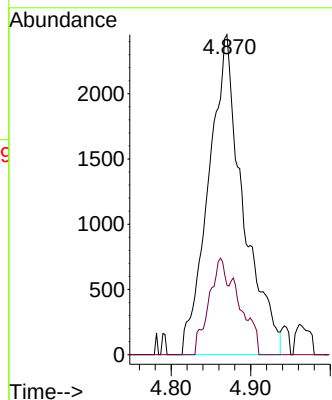
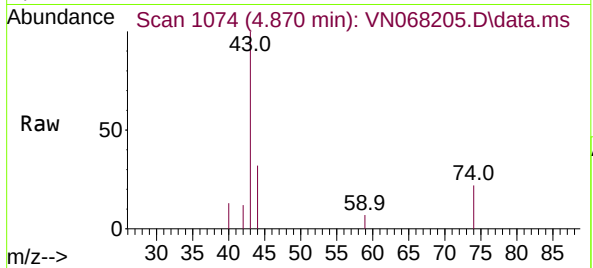




#18
Methyl Acetate
Concen: Below Cal
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

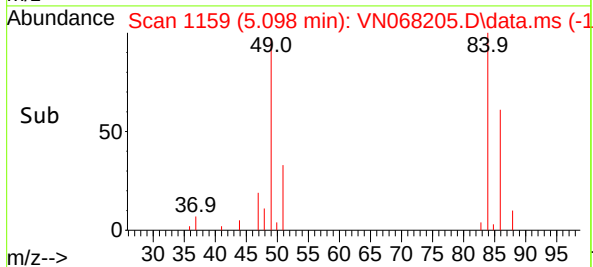
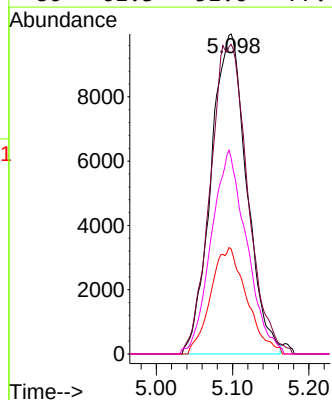
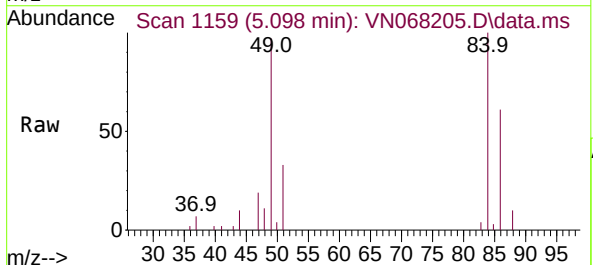
Instrument :
MSVOA_N
ClientSampled :
TP1

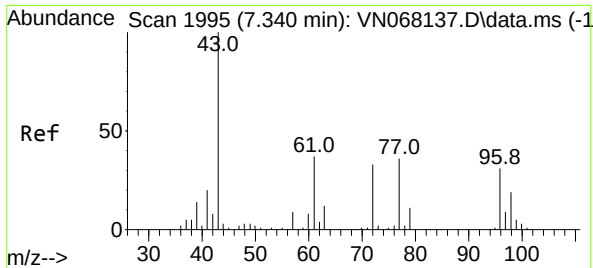
Tgt Ion: 43 Resp: 7374
Ion Ratio Lower Upper
43 100
74 16.0 17.4 26.0#



#20
Methylene Chloride
Concen: 7.143 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.005 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

Tgt Ion: 84 Resp: 32397
Ion Ratio Lower Upper
84 100
49 96.7 110.9 166.3#
51 32.9 32.6 49.0
86 61.3 51.6 77.4

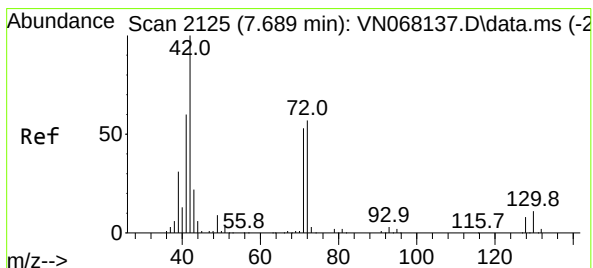
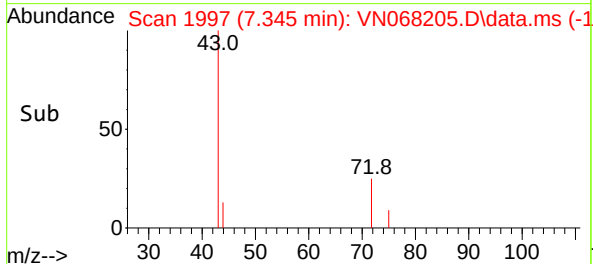
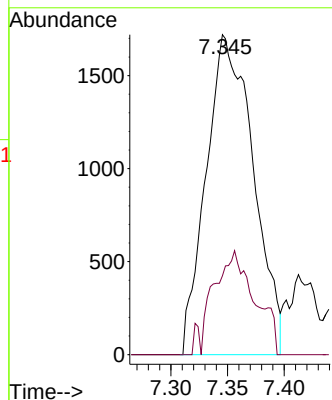
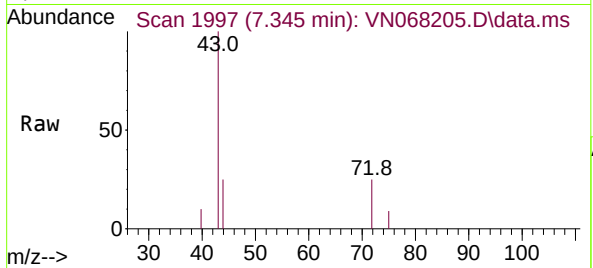




#25
2-Butanone
Concen: 2.446 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.005 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

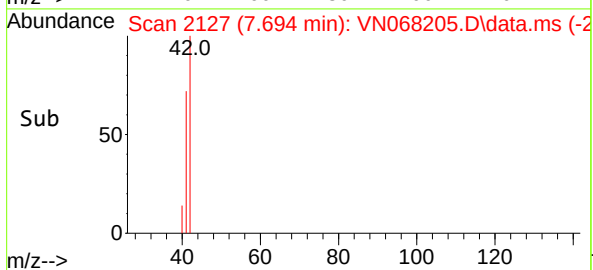
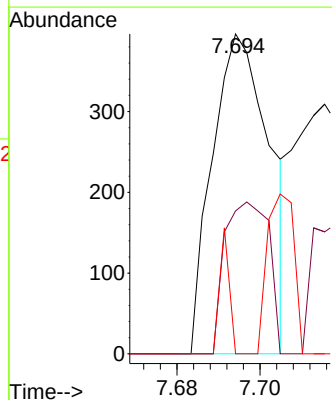
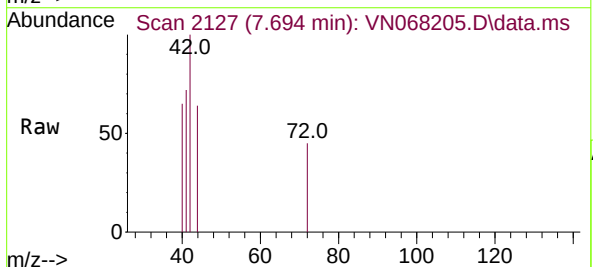
Instrument :
MSVOA_N
ClientSampled :
TP1

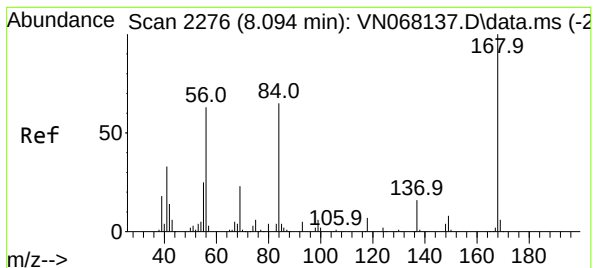
Tgt Ion: 43 Resp: 4979
Ion Ratio Lower Upper
43 100
72 24.7 19.7 29.5



#29
Tetrahydrofuran
Concen: 0.289 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.005 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

Tgt Ion: 42 Resp: 376
Ion Ratio Lower Upper
42 100
72 36.7 32.8 49.2
71 6.6 31.2 46.8#





#31

Cyclohexane

Concen: 1.265 ug/l

RT: 8.088 min Scan# 2274

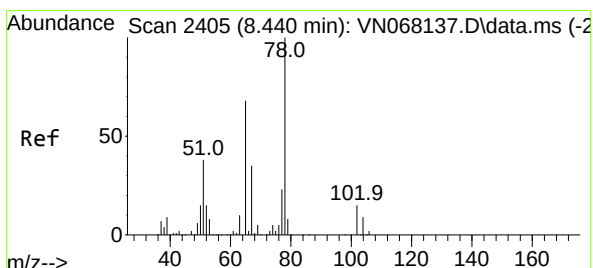
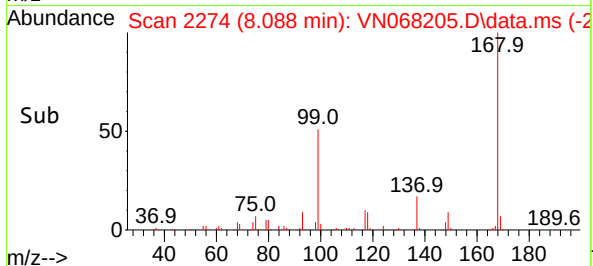
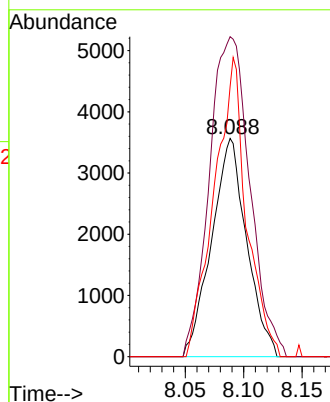
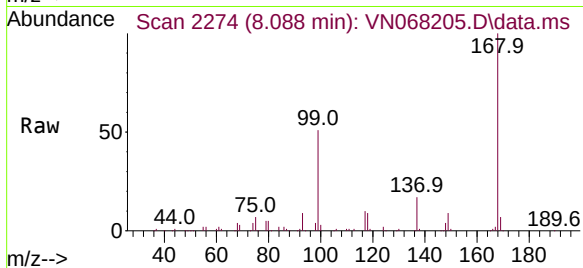
Delta R.T. -0.006 min

Lab File: VN068205.D

Acq: 18 Aug 2021 20:08

Tgt Ion:	56	Resp:	7451
Ion	Ratio	Lower	Upper
56	100		
69	146.7	27.3	40.9#
84	123.8	64.9	97.3#

Instrument :
MSVOA_N
ClientSampled :
TP1



#33

1,2-Dichloroethane-d4

Concen: 54.962 ug/l

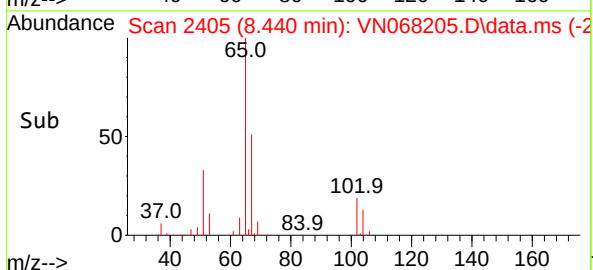
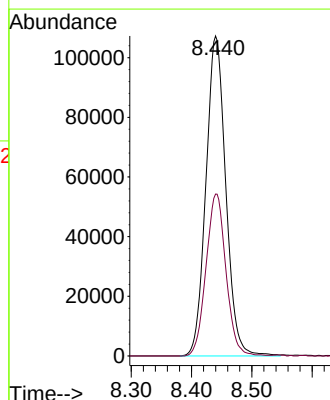
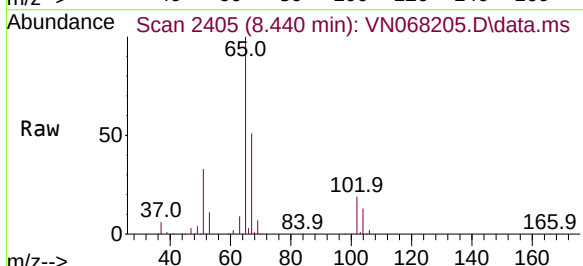
RT: 8.440 min Scan# 2405

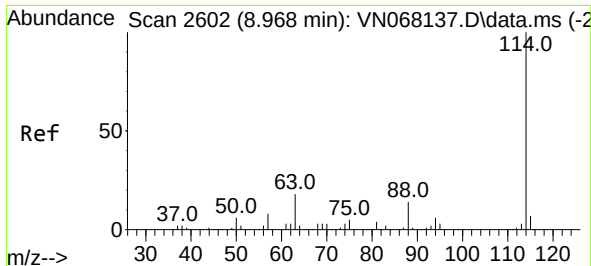
Delta R.T. -0.000 min

Lab File: VN068205.D

Acq: 18 Aug 2021 20:08

Tgt Ion:	65	Resp:	245859
Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	98.6

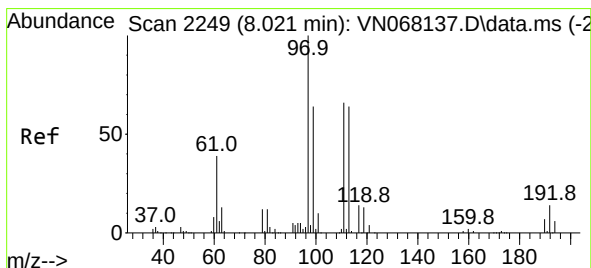
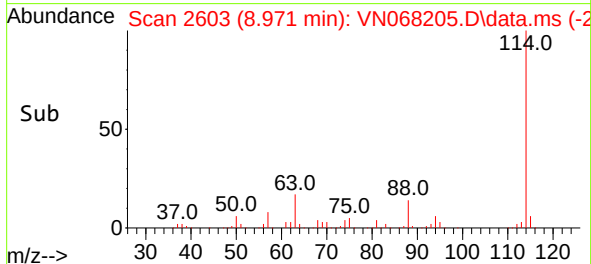
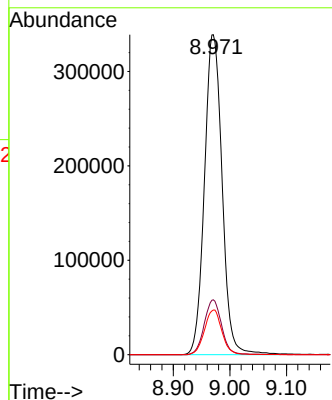
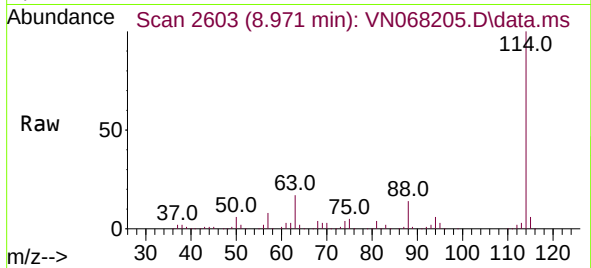




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

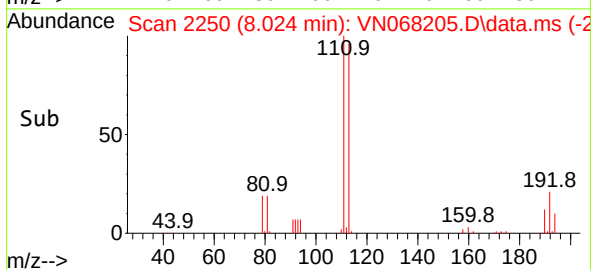
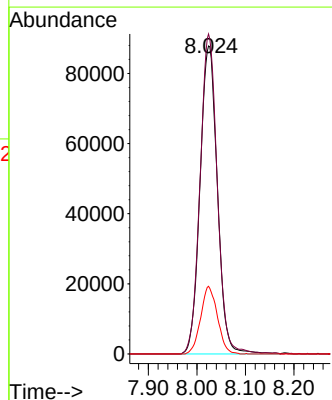
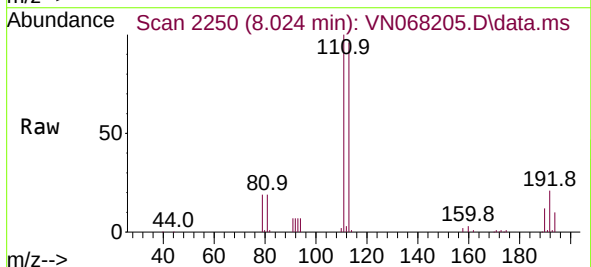
Instrument :
MSVOA_N
ClientSampled :
TP1

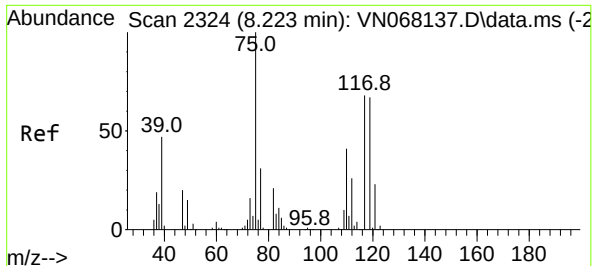
Tgt Ion:114 Resp: 734971
Ion Ratio Lower Upper
114 100
63 17.2 0.0 49.0
88 14.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.410 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

Tgt Ion:113 Resp: 218768
Ion Ratio Lower Upper
113 100
111 102.6 83.8 125.8
192 21.1 13.4 20.0#

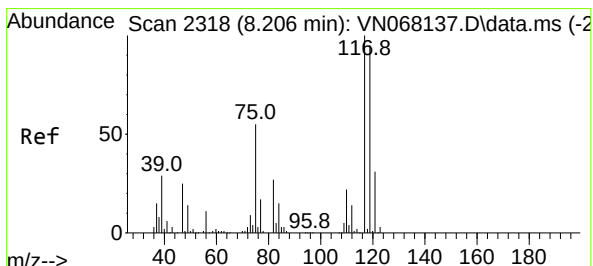
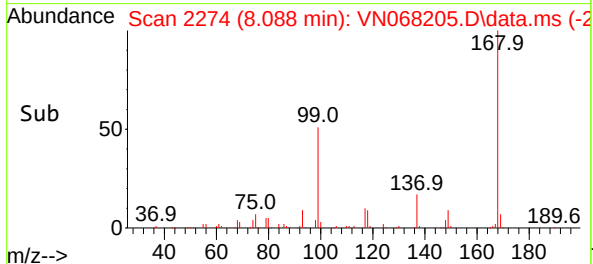
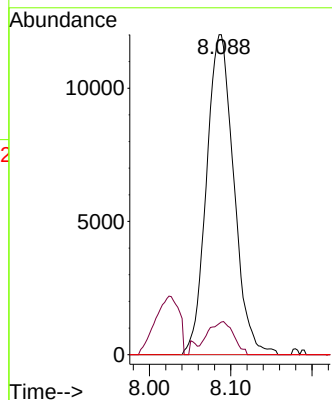
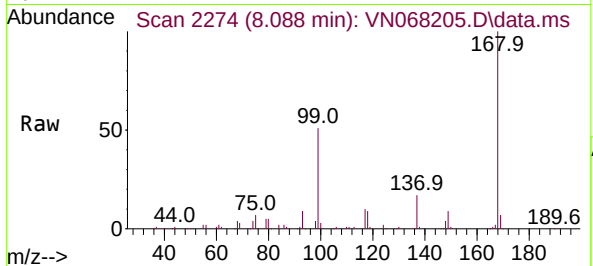




#36
1,1-Dichloropropene
Concen: 4.672 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

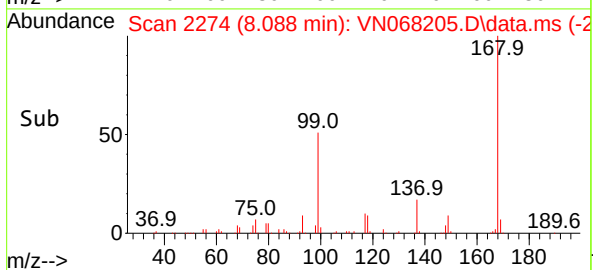
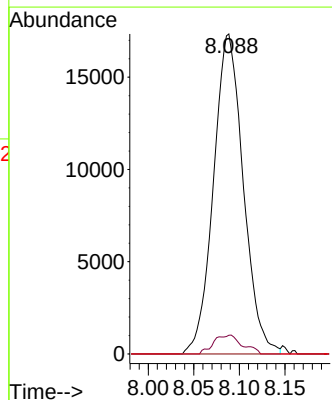
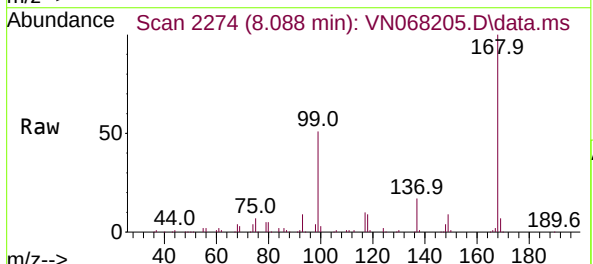
Instrument :
MSVOA_N
ClientSampled :
TP1

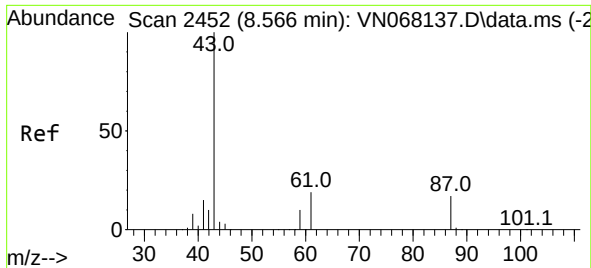
Tgt Ion: 75 Resp: 28071
Ion Ratio Lower Upper
75 100
110 9.8 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.695 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

Tgt Ion: 117 Resp: 39461
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.2#
121 0.0 23.5 35.3#

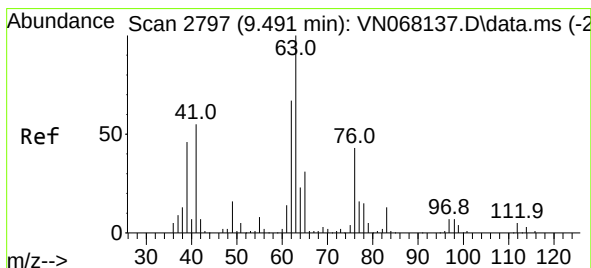
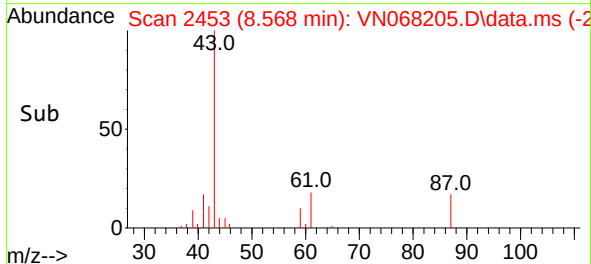
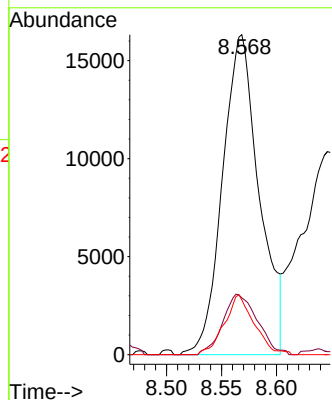
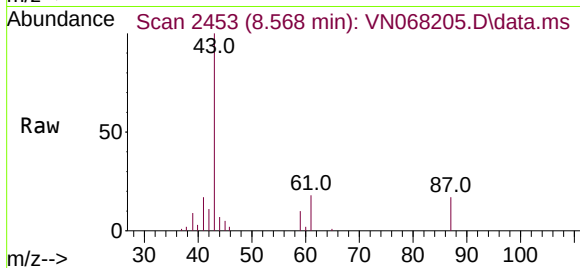




#43
Isopropyl Acetate
Concen: 4.618 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.002 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

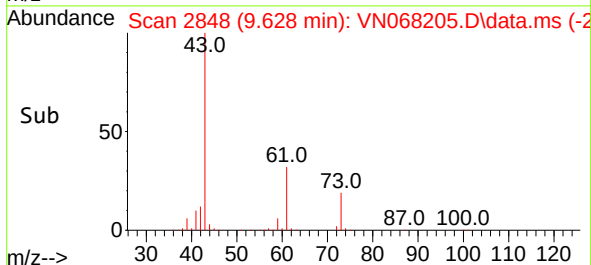
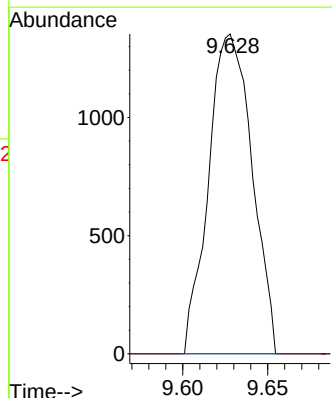
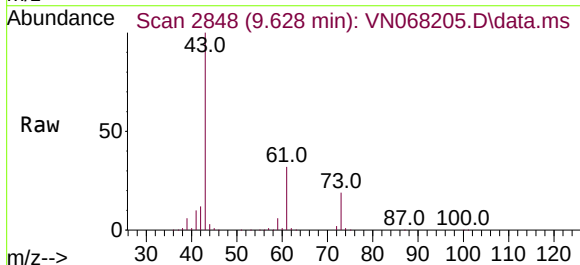
Instrument :
MSVOA_N
ClientSampled :
TP1

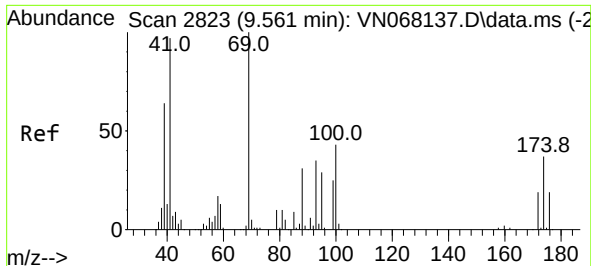
Tgt Ion: 43 Resp: 37859
Ion Ratio Lower Upper
43 100
61 17.8 19.0 28.4#
87 15.3 9.5 14.3#



#45
1,2-Dichloropropane
Concen: 0.559 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

Tgt Ion: 63 Resp: 2413
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

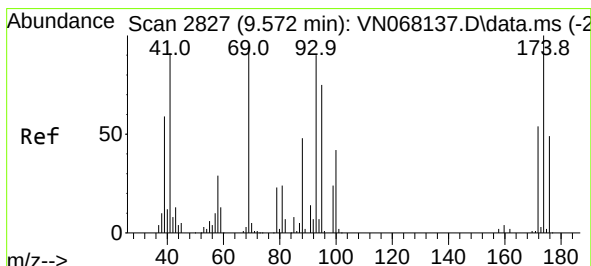
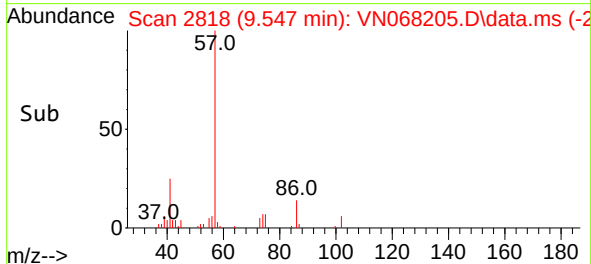
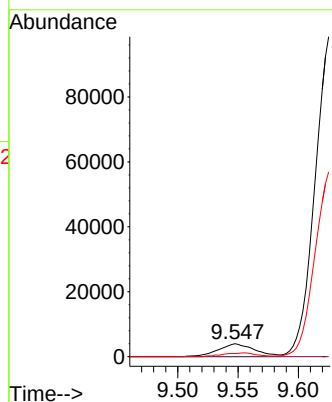
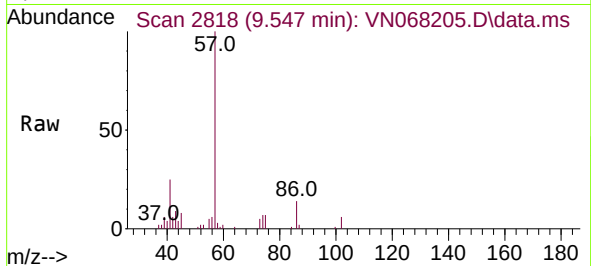




#48
Methyl methacrylate
Concen: 2.455 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

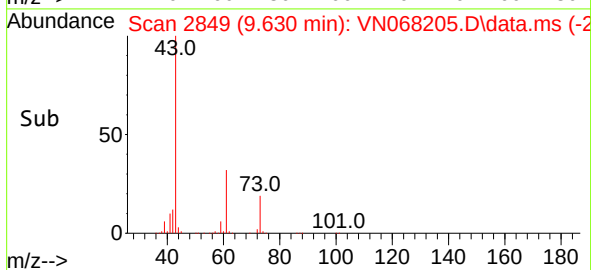
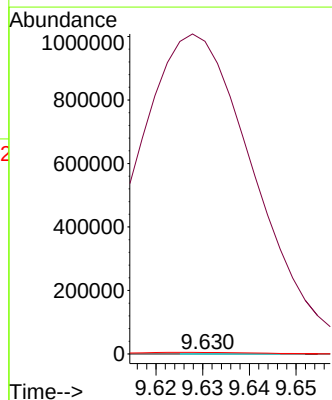
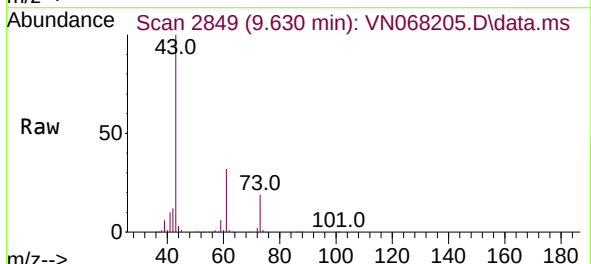
Instrument :
MSVOA_N
ClientSampled :
TP1

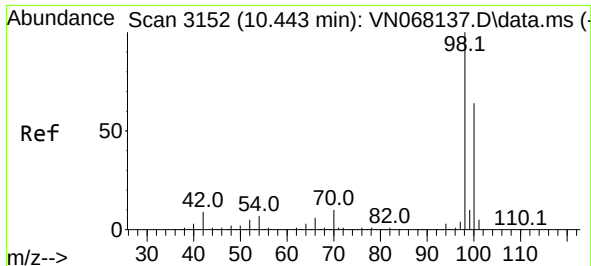
Tgt Ion: 41 Resp: 8389
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 1.719 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.058 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

Tgt Ion: 88 Resp: 142
Ion Ratio Lower Upper
88 100
43 1347452.1 28.8 43.2#
58 6874.6 60.4 90.6#

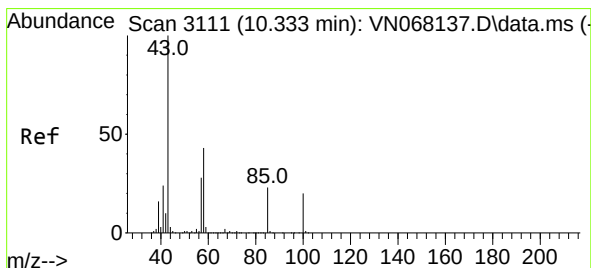
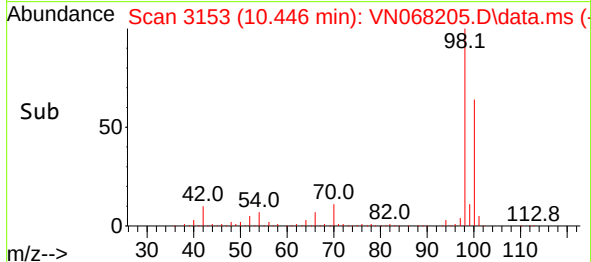
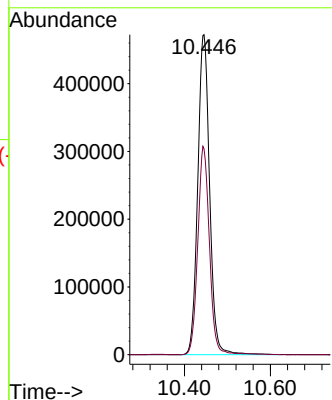
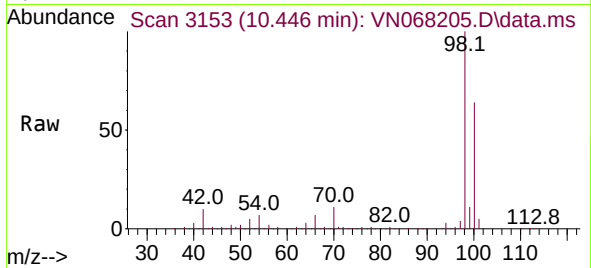




#50
Toluene-d8
Concen: 51.474 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

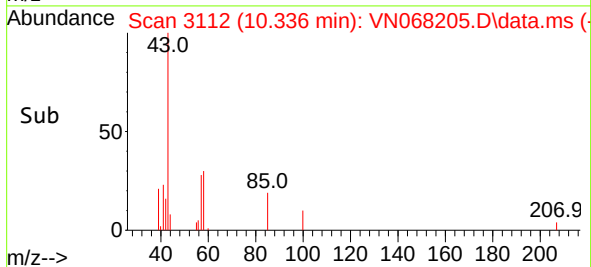
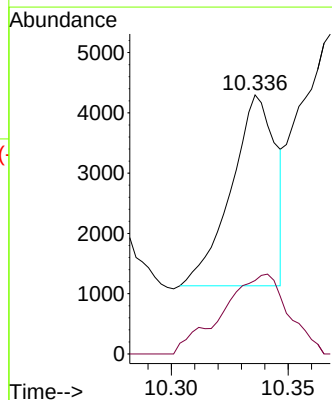
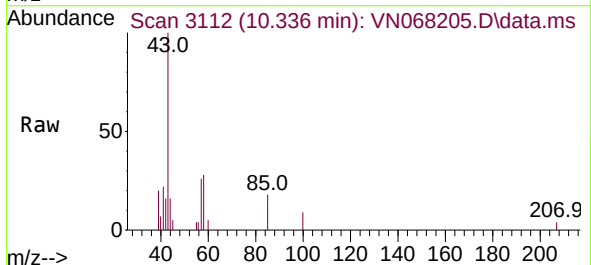
Instrument :
MSVOA_N
ClientSampled :
TP1

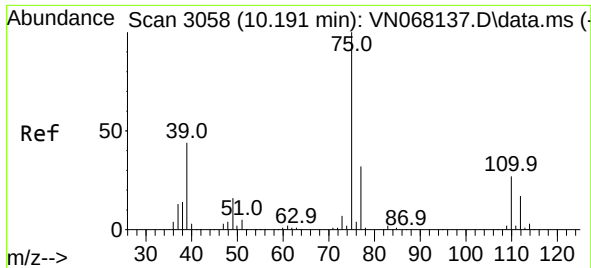
Tgt Ion: 98 Resp: 905030
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.834 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

Tgt Ion: 43 Resp: 4202
Ion Ratio Lower Upper
43 100
58 61.6 28.6 43.0#

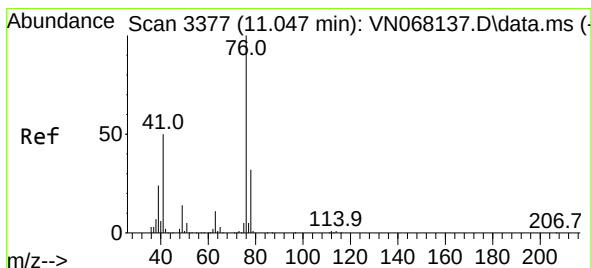
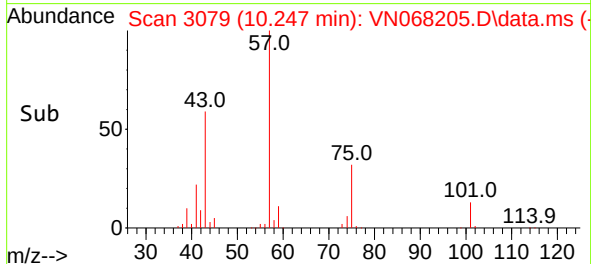
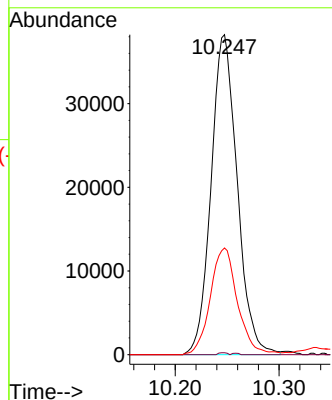
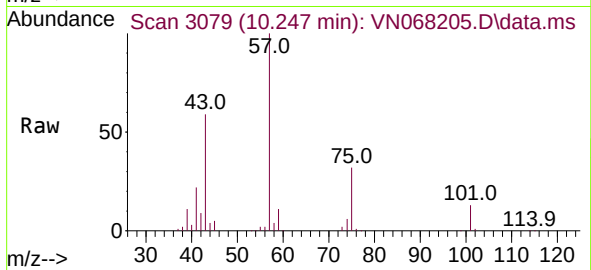




#54
 cis-1,3-Dichloropropene
 Concen: 9.615 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN068205.D
 Acq: 18 Aug 2021 20:08

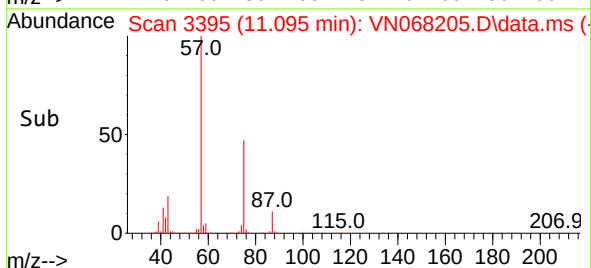
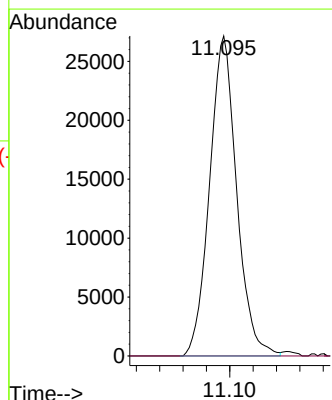
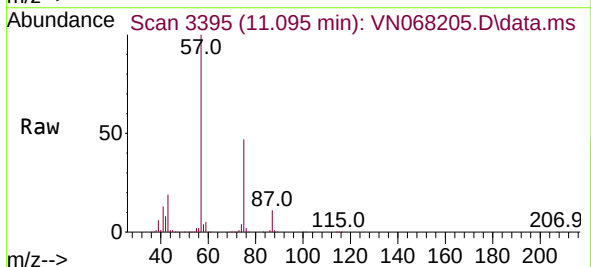
Instrument :
 MSVOA_N
 ClientSampled :
 TP1

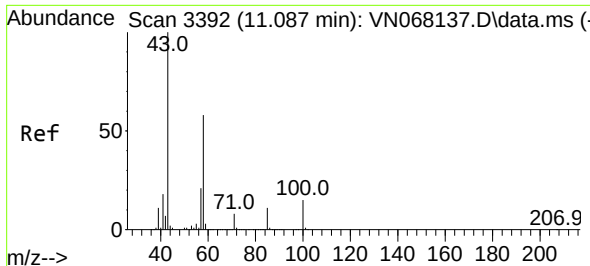
Tgt Ion: 75 Resp: 66904
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.6 37.0#
 39 33.4 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 5.683 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.048 min
 Lab File: VN068205.D
 Acq: 18 Aug 2021 20:08

Tgt Ion: 76 Resp: 43731
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

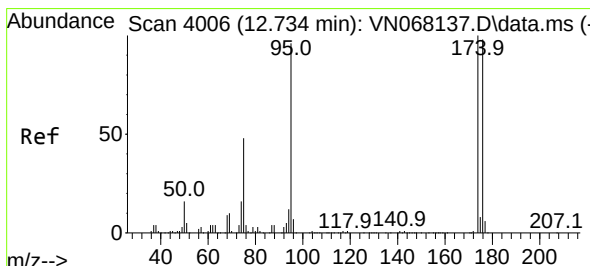
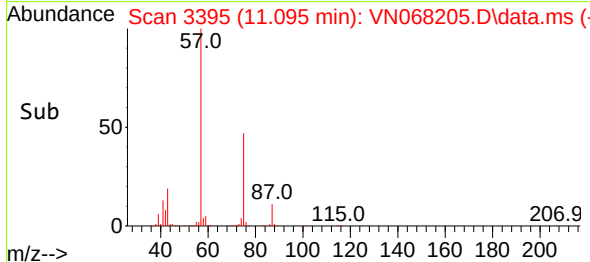
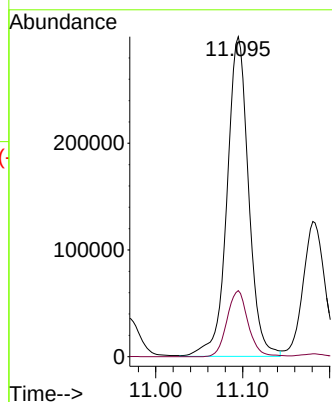
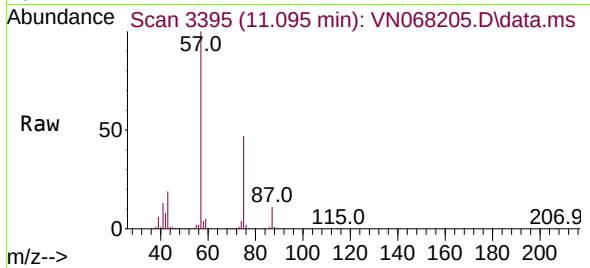




#59
2-Hexanone
Concen: 147.921 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

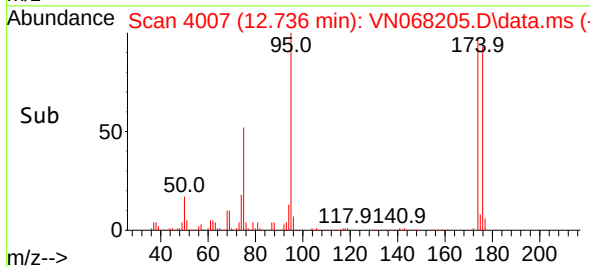
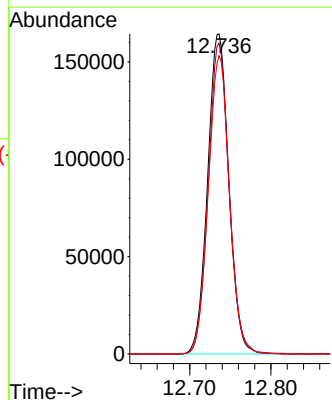
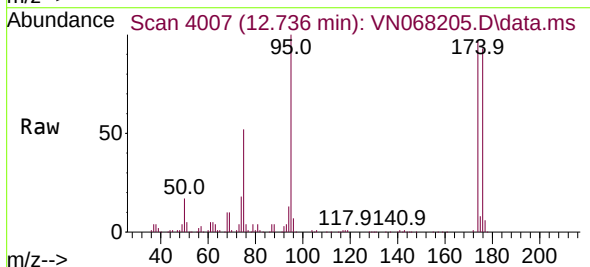
Instrument :
MSVOA_N
ClientSampled :
TP1

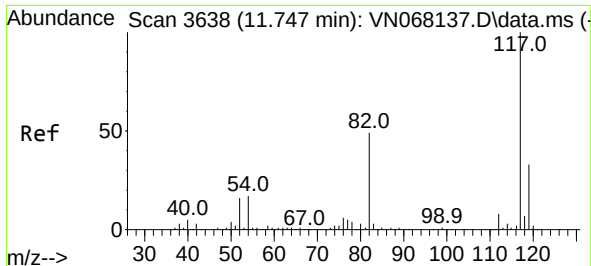
Tgt Ion: 43 Resp: 517293
Ion Ratio Lower Upper
43 100
58 20.3 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 50.696 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

Tgt Ion: 95 Resp: 296726
Ion Ratio Lower Upper
95 100
174 96.4 0.0 122.0
176 93.0 0.0 117.6

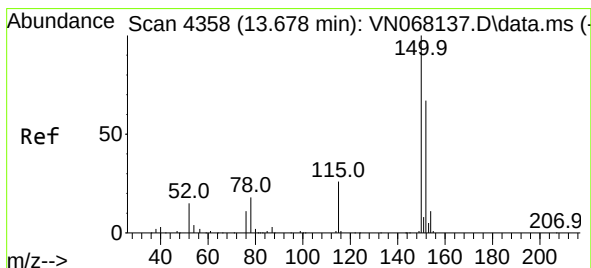
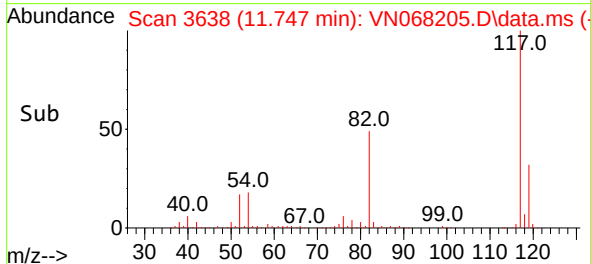
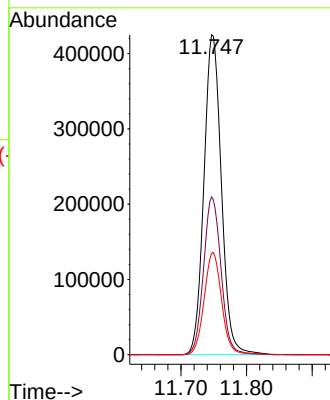
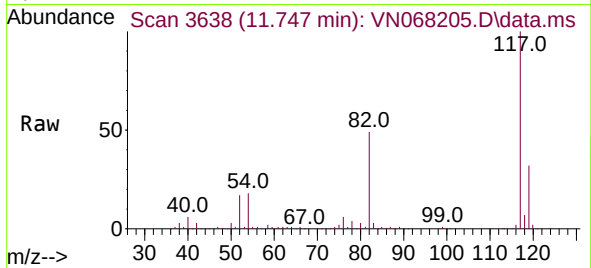




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

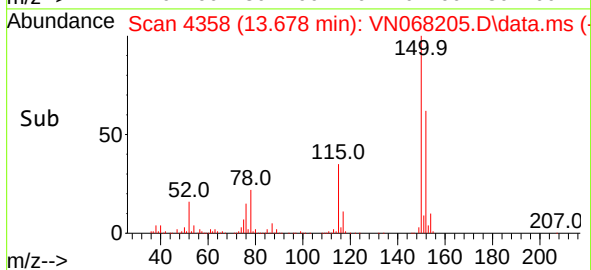
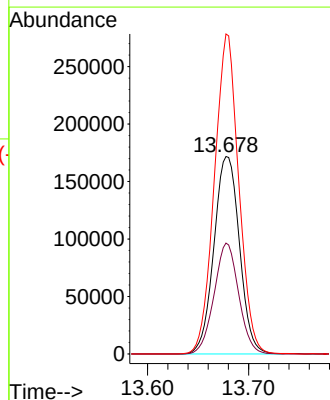
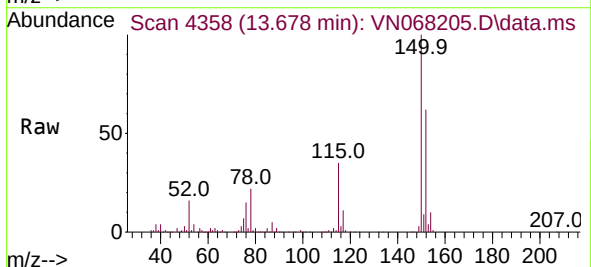
Instrument :
MSVOA_N
ClientSampled :
TP1

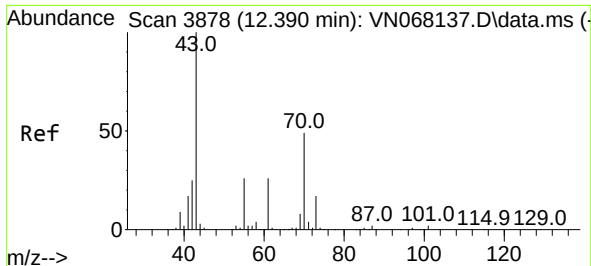
Tgt Ion:117 Resp: 786350
Ion Ratio Lower Upper
117 100
82 49.3 53.1 79.7#
119 31.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

Tgt Ion:152 Resp: 301042
Ion Ratio Lower Upper
152 100
115 54.1 36.1 108.5
150 154.8 0.0 351.8

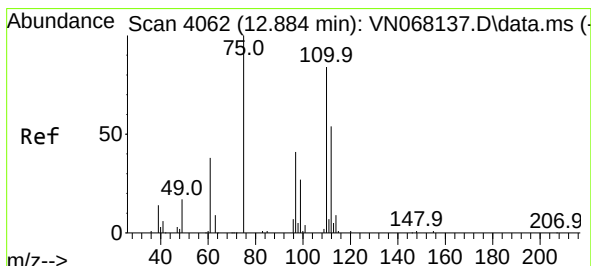
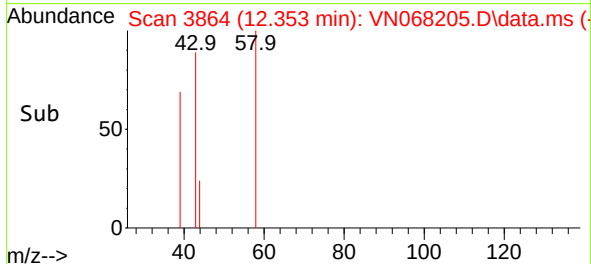
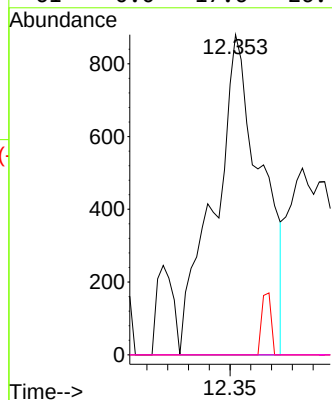
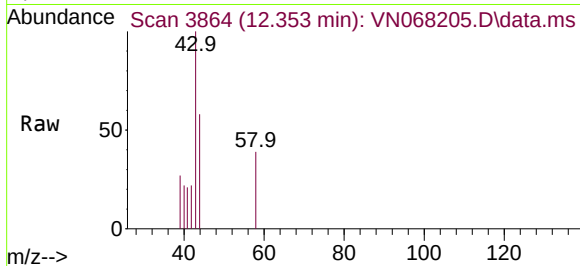




#74
N-amy1 acetate
Concen: 0.248 ug/l
RT: 12.353 min Scan# 3864
Delta R.T. -0.037 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

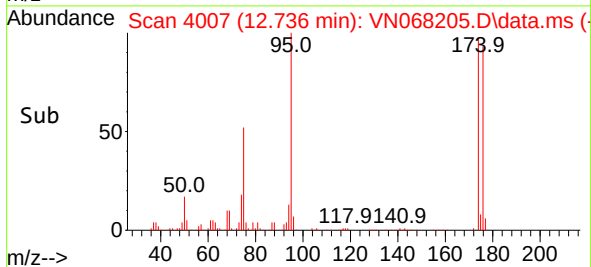
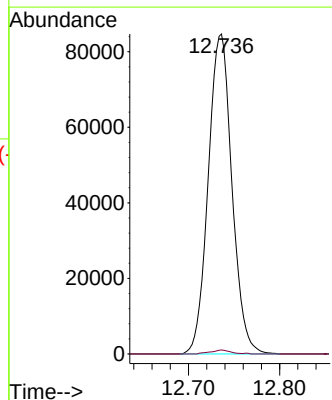
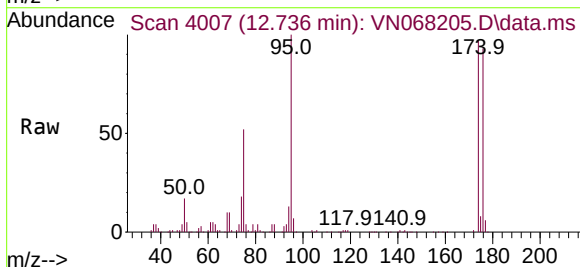
Instrument :
MSVOA_N
ClientSampled :
TP1

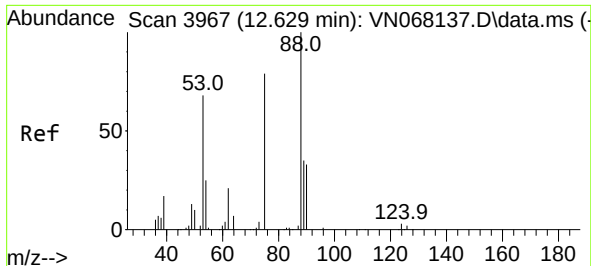
Tgt Ion:	43	Resp:	1385
Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.4	44.2#
55	3.9	17.0	25.4#
61	0.0	17.6	26.4#



#76
1,2,3-Trichloropropane
Concen: 30.585 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

Tgt Ion:	75	Resp:	153038
Ion	Ratio	Lower	Upper
75	100		
77	1.0	0.0	0.0#

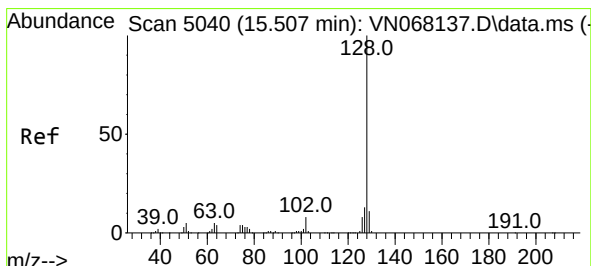
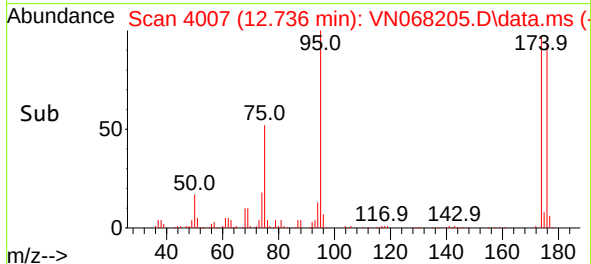
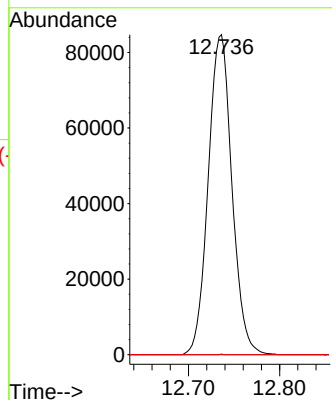
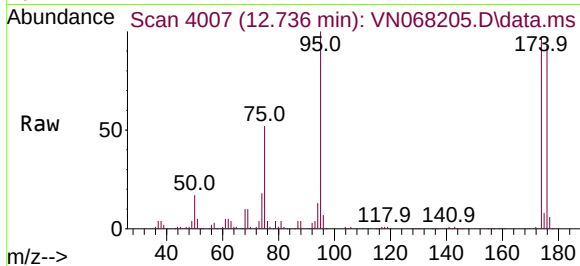




#81
trans-1,4-Dichloro-2-butene
Concen: 100.203 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

Instrument :
MSVOA_N
ClientSampled :
TP1

Tgt Ion: 75 Resp: 153038
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 3.373 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068205.D
Acq: 18 Aug 2021 20:08

Tgt Ion:128 Resp: 363
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

