

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101521\
 Data File : VN068952.D
 Acq On : 15 Oct 2021 16:21
 Operator : JC/MD
 Sample : PB139909TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 02:16:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

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

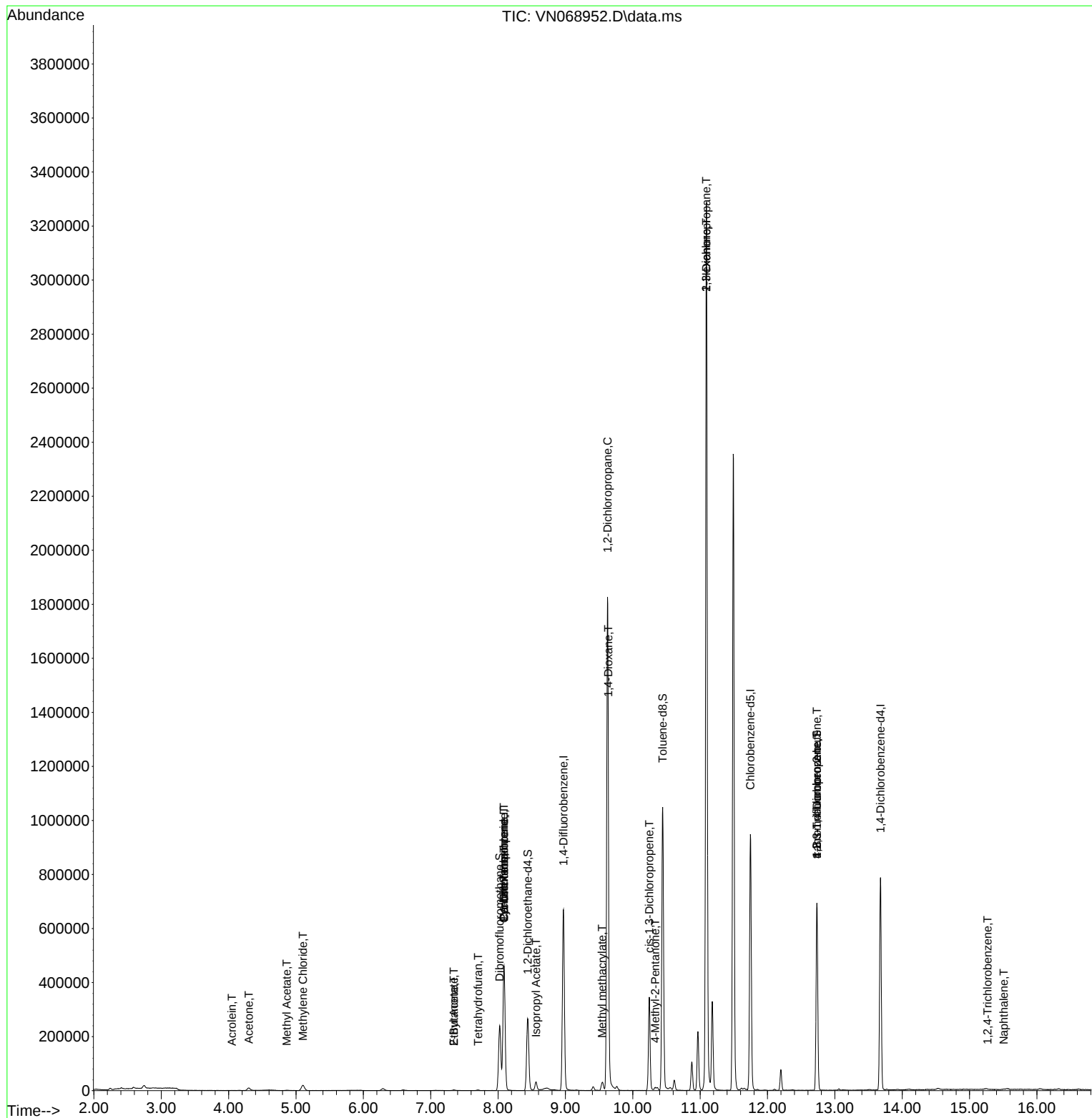
Internal Standards						
1) Pentafluorobenzene	8.088	168	352209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	605113	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	556080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	207700	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	224556	48.357	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.720%		
35) Dibromofluoromethane	8.024	113	179589	51.011	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.020%		
50) Toluene-d8	10.443	98	745205	52.902	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.800%		
62) 4-Bromofluorobenzene	12.734	95	255569	48.087	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.180%		
Target Compounds						
					Qvalue	
13) Acrolein	4.047	56	123	0.328	ug/l #	16
16) Acetone	4.299	43	18630	10.750	ug/l	97
18) Methyl Acetate	4.862	43	3017	0.459	ug/l #	61
20) Methylene Chloride	5.103	84	16555	4.151	ug/l	97
25) 2-Butanone	7.343	43	4365	1.666	ug/l	94
29) Tetrahydrofuran	7.702	42	1416	0.833	ug/l #	72
31) Cyclohexane	8.086	56	8355	1.157	ug/l #	16
36) 1,1-Dichloropropene	8.088	75	28422	5.499	ug/l #	49
37) Ethyl Acetate	7.343	43	4365	0.818	ug/l #	68
38) Carbon Tetrachloride	8.088	117	36194	6.376	ug/l #	16
43) Isopropyl Acetate	8.563	43	39189	4.161	ug/l #	90
45) 1,2-Dichloropropane	9.625	63	2155	0.528	ug/l #	43
48) Methyl methacrylate	9.545	41	8377	1.893	ug/l #	13
49) 1,4-Dioxane	9.636	88	24	35.902	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	6906	1.265	ug/l	98
54) cis-1,3-Dichloropropene	10.245	75	65399	9.606	ug/l #	58
57) 1,3-Dichloropropane	11.092	76	35486	5.391	ug/l #	42
59) 2-Hexanone	11.092	43	505331	129.028	ug/l #	50
76) 1,2,3-Trichloropropane	12.734	75	131310	29.713	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	131310	71.087	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.268	180	175	2.649	ug/l #	12
95) Naphthalene	15.507	128	3043	4.103	ug/l #	86

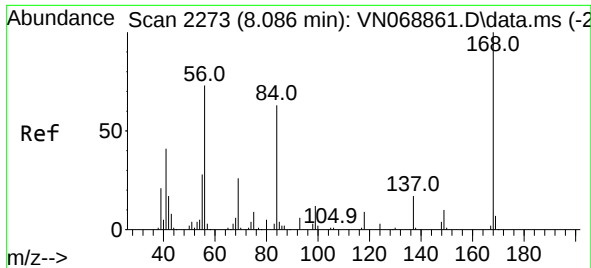
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101521\
Data File : VN068952.D
Acq On : 15 Oct 2021 16:21
Operator : JC/MD
Sample : PB139909TB
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 18 02:16:09 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 13 05:44:40 2021
Response via : Initial Calibration

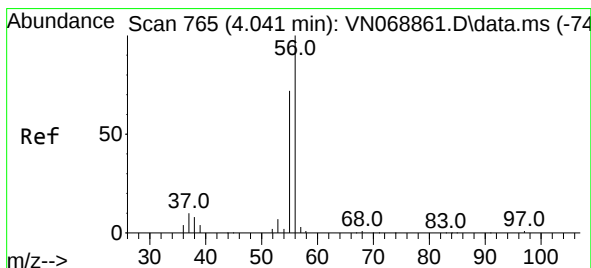
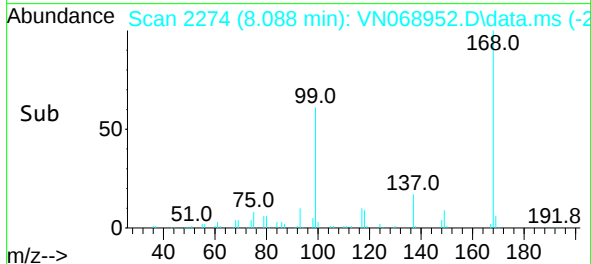
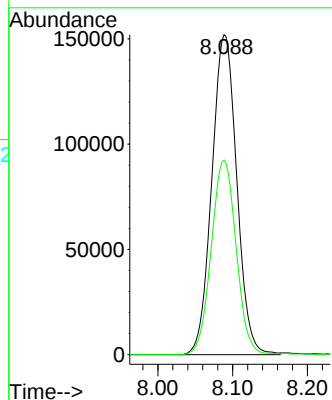
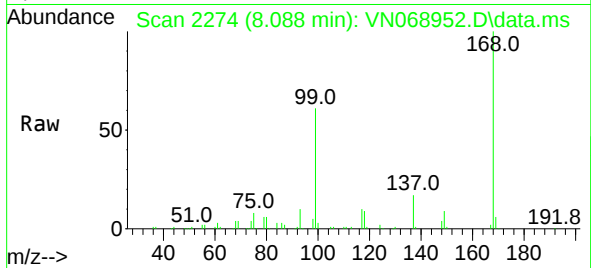




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068952.D
Acq: 15 Oct 2021 16:21

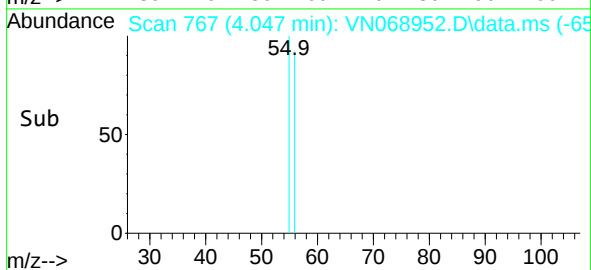
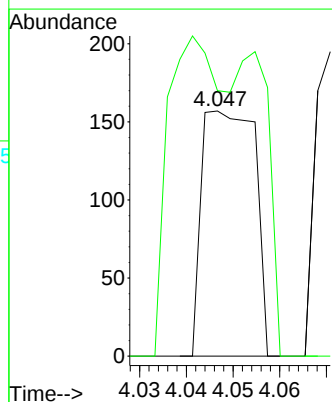
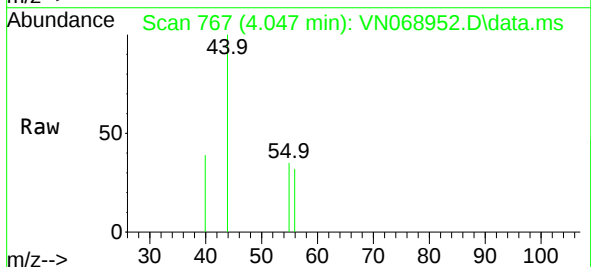
Instrument :
MSVOA_N
ClientSampled :

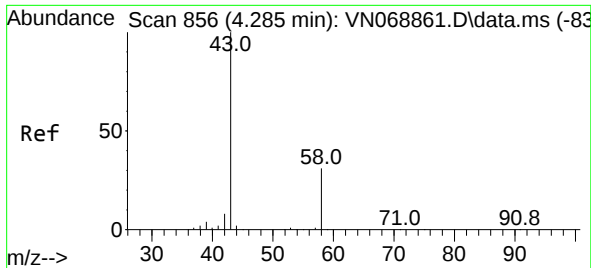
Tgt Ion:168 Resp: 352209
Ion Ratio Lower Upper
168 100
99 60.8 48.9 73.3



#13
Acrolein
Concen: 0.328 ug/l
RT: 4.047 min Scan# 767
Delta R.T. 0.005 min
Lab File: VN068952.D
Acq: 15 Oct 2021 16:21

Tgt Ion: 56 Resp: 123
Ion Ratio Lower Upper
56 100
55 143.1 58.1 87.1#

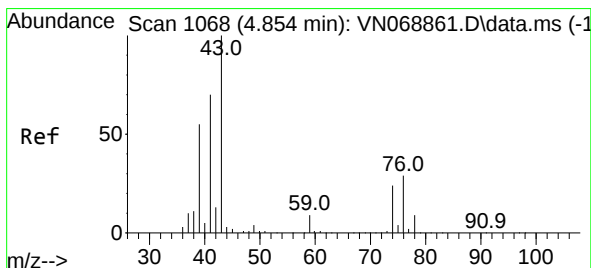
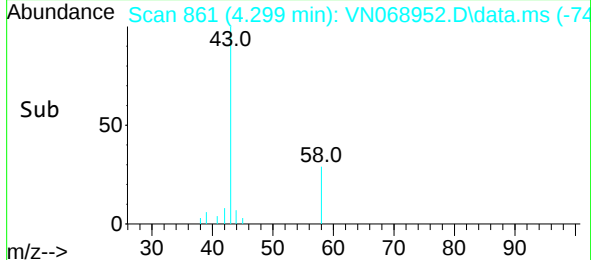
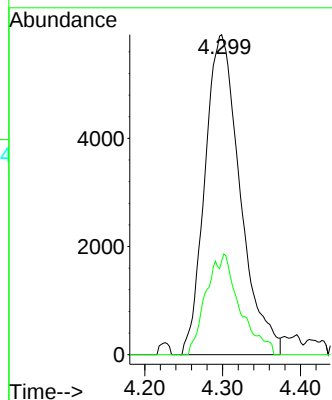
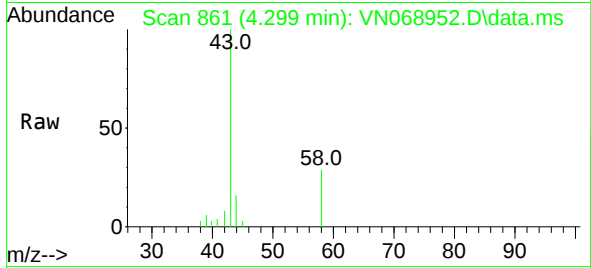




#16
Acetone
Concen: 10.750 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.014 min
Lab File: VN068952.D
Acq: 15 Oct 2021 16:21

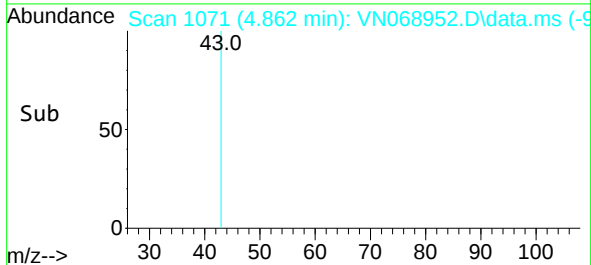
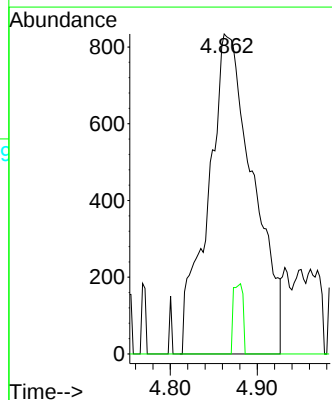
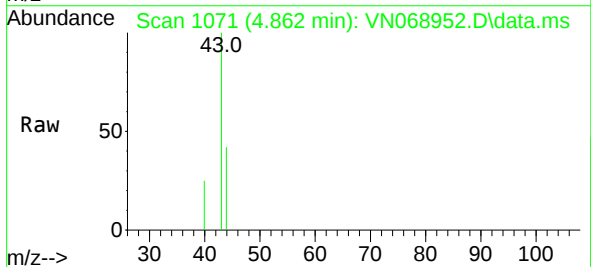
Instrument :
MSVOA_N
ClientSampled :

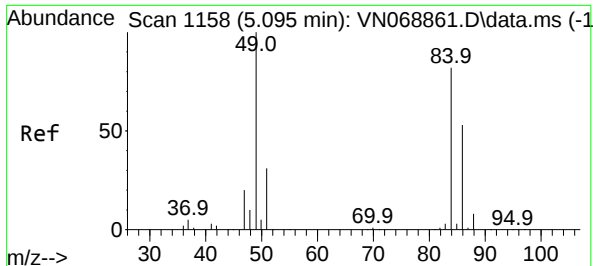
Tgt Ion: 43 Resp: 18630
Ion Ratio Lower Upper
43 100
58 29.2 24.5 36.7



#18
Methyl Acetate
Concen: 0.459 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN068952.D
Acq: 15 Oct 2021 16:21

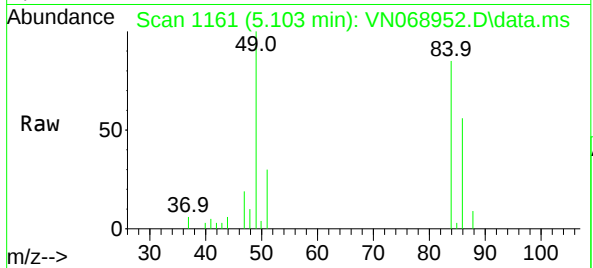
Tgt Ion: 43 Resp: 3017
Ion Ratio Lower Upper
43 100
74 4.6 18.9 28.3#



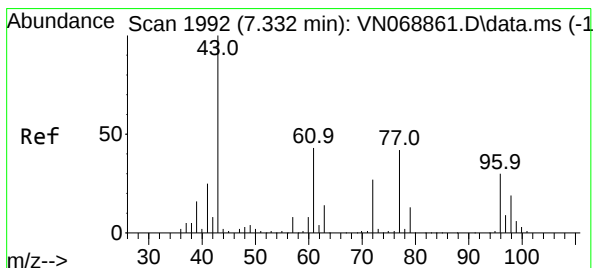
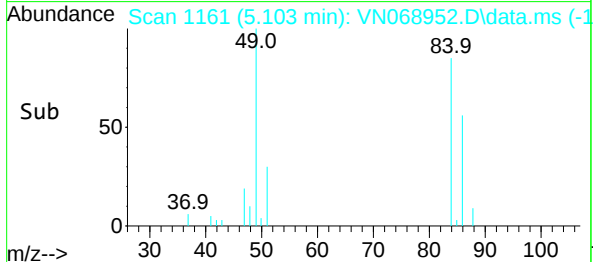
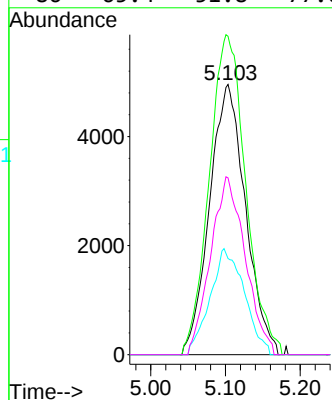


#20
Methylene Chloride
Concen: 4.151 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN068952.D
Acq: 15 Oct 2021 16:21

Instrument :
MSVOA_N
ClientSampled :

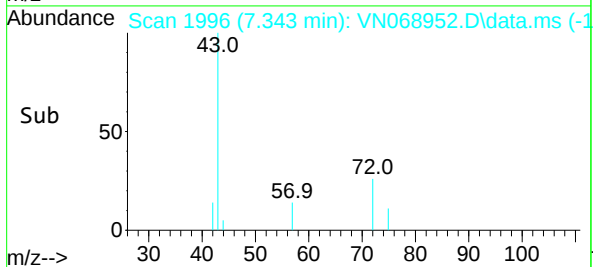
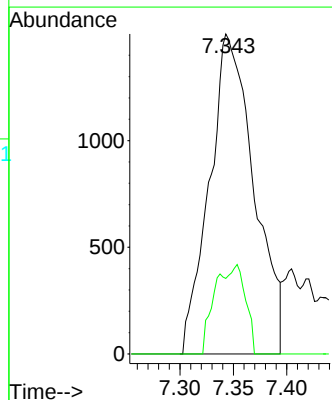
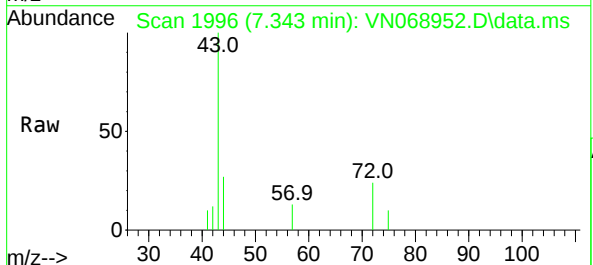


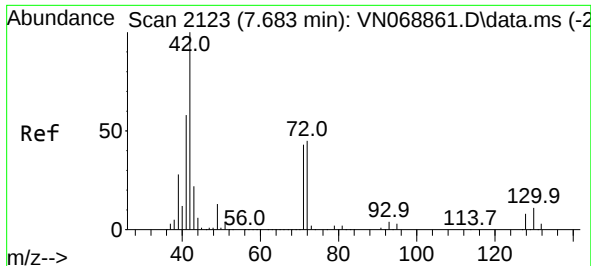
Tgt Ion: 84	Resp: 16555
Ion Ratio	Lower Upper
84 100	
49 117.8	97.6 146.4
51 35.6	30.3 45.5
86 65.4	51.8 77.6



#25
2-Butanone
Concen: 1.666 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN068952.D
Acq: 15 Oct 2021 16:21

Tgt Ion: 43	Resp: 4365
Ion Ratio	Lower Upper
43 100	
72 23.6	21.2 31.8





#29

Tetrahydrofuran

Concen: 0.833 ug/l

RT: 7.702 min Scan# 2130

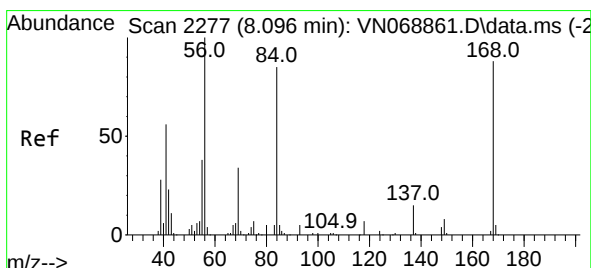
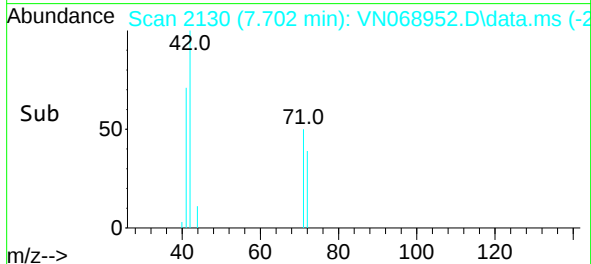
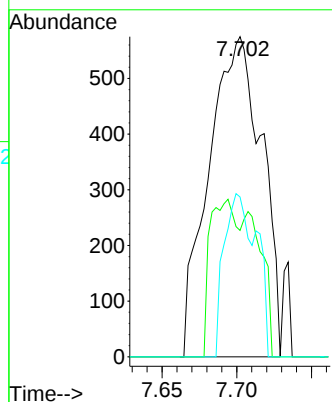
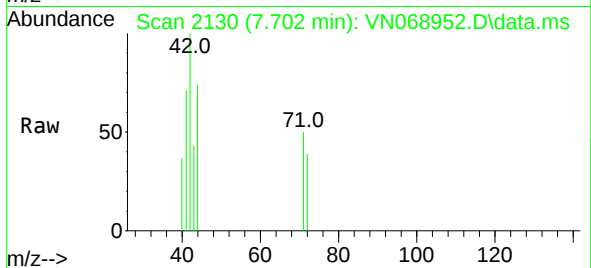
Delta R.T. 0.019 min

Lab File: VN068952.D

Acq: 15 Oct 2021 16:21

Tgt Ion:	42	Resp:	1416
Ion	Ratio	Lower	Upper
42	100		
72	26.0	35.4	53.2#
71	24.1	33.8	50.6#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.157 ug/l

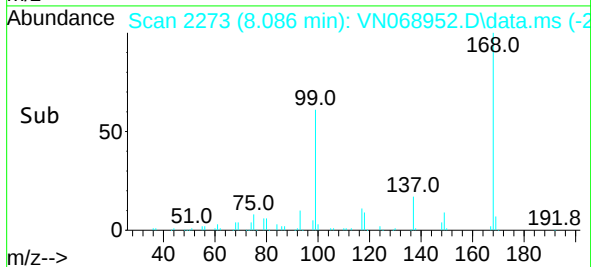
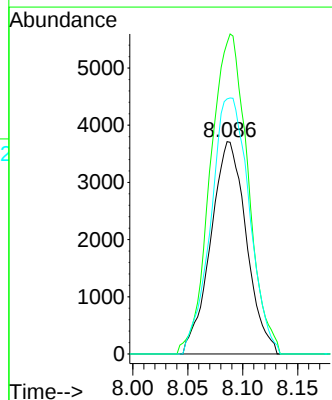
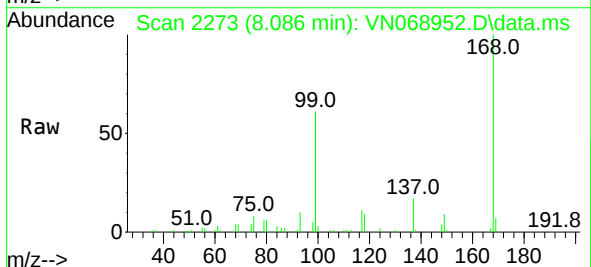
RT: 8.086 min Scan# 2273

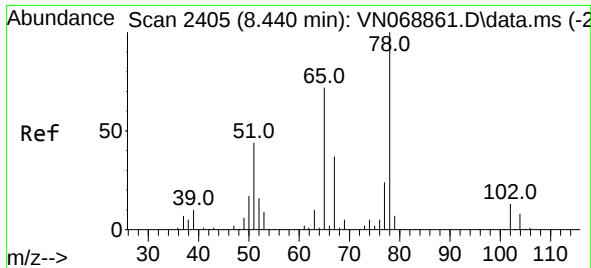
Delta R.T. -0.010 min

Lab File: VN068952.D

Acq: 15 Oct 2021 16:21

Tgt Ion:	56	Resp:	8355
Ion	Ratio	Lower	Upper
56	100		
69	146.4	26.9	40.3#
84	120.1	67.6	101.4#

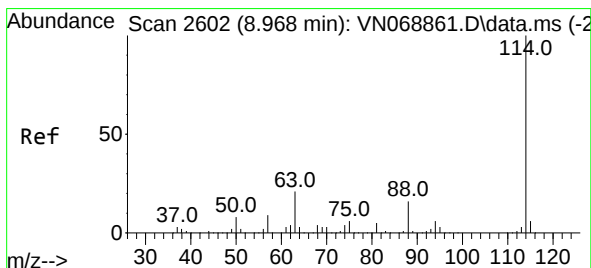
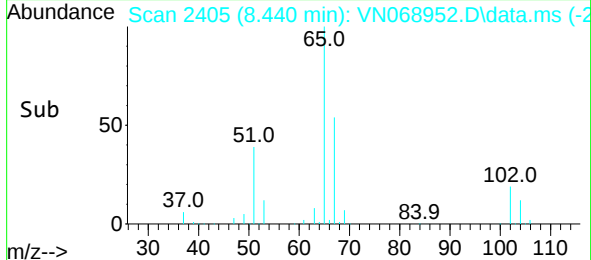
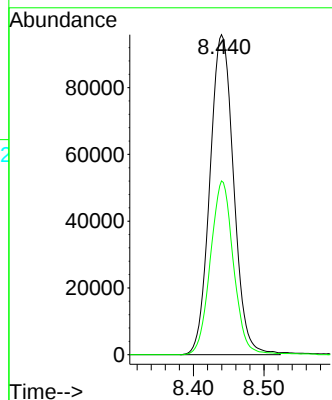
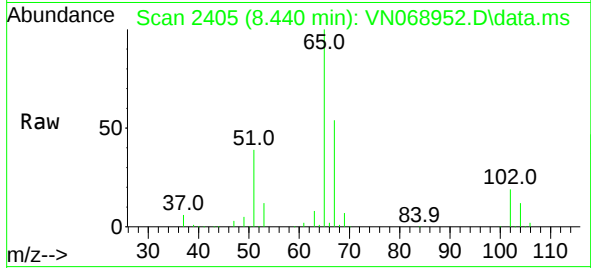




#33
 1,2-Dichloroethane-d4
 Concen: 48.357 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.000 min
 Lab File: VN068952.D
 Acq: 15 Oct 2021 16:21

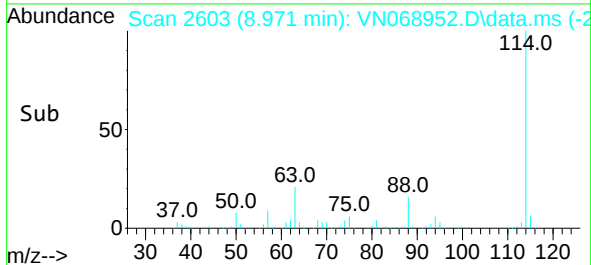
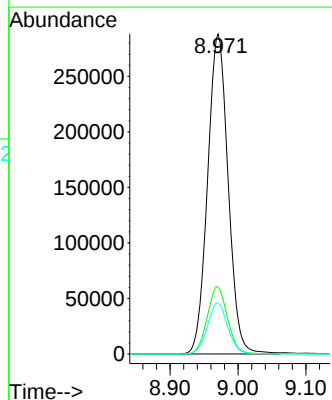
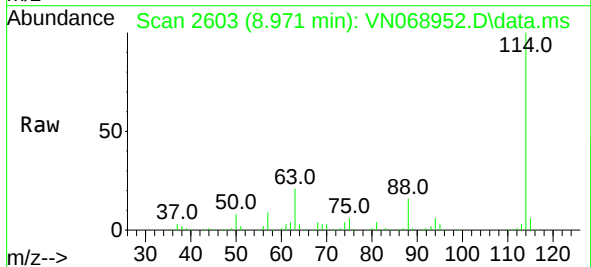
Instrument :
 MSVOA_N
 ClientSampled :

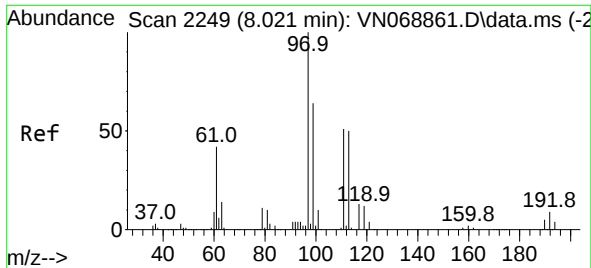
Tgt Ion: 65 Resp: 224556
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068952.D
 Acq: 15 Oct 2021 16:21

Tgt Ion: 114 Resp: 605113
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.6
 88 15.9 0.0 32.0

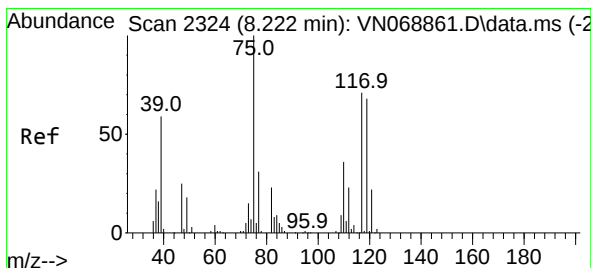
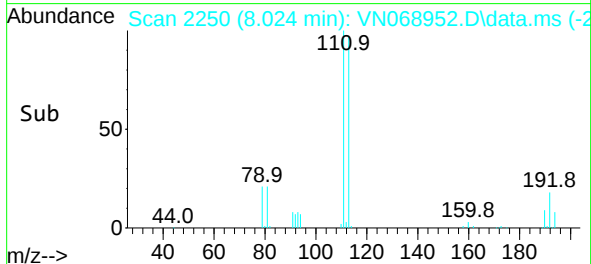
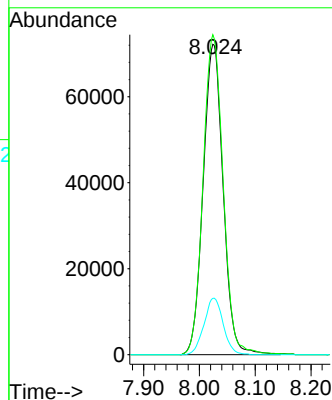
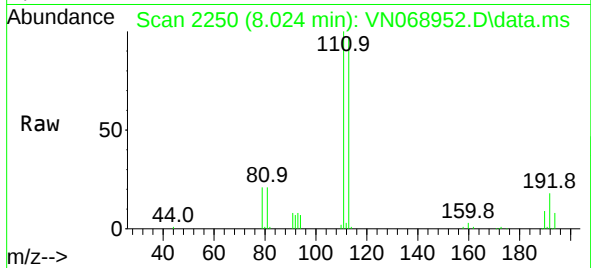




#35
Dibromofluoromethane
Concen: 51.011 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068952.D
Acq: 15 Oct 2021 16:21

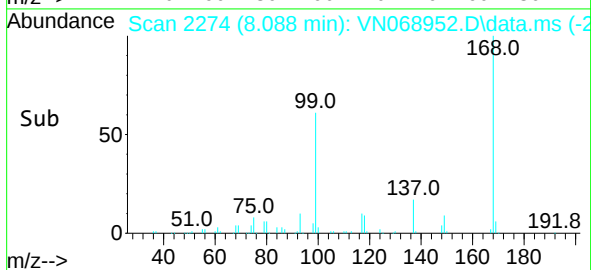
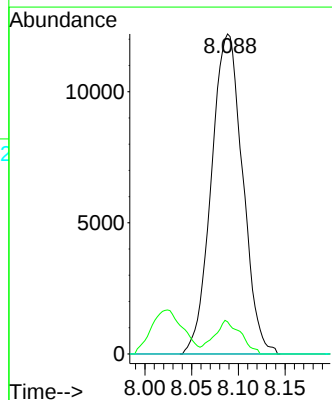
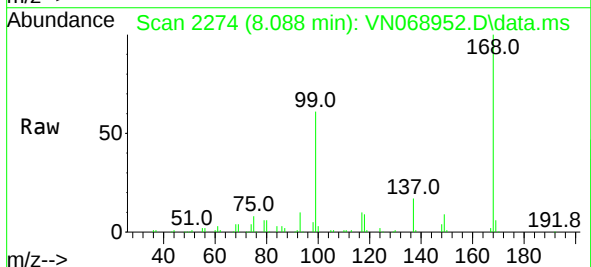
Instrument :
MSVOA_N
ClientSampled :

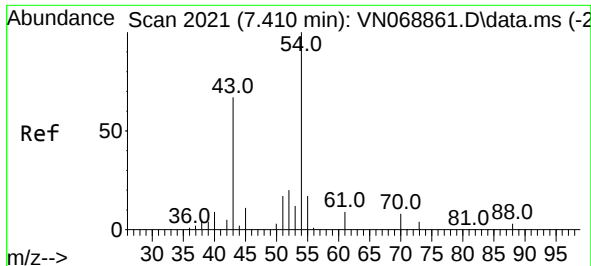
Tgt Ion:113 Resp: 179589
Ion Ratio Lower Upper
113 100
111 103.3 83.2 124.8
192 17.5 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.499 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068952.D
Acq: 15 Oct 2021 16:21

Tgt Ion: 75 Resp: 28422
Ion Ratio Lower Upper
75 100
110 9.0 17.9 53.8#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.818 ug/l

RT: 7.343 min Scan# 1996

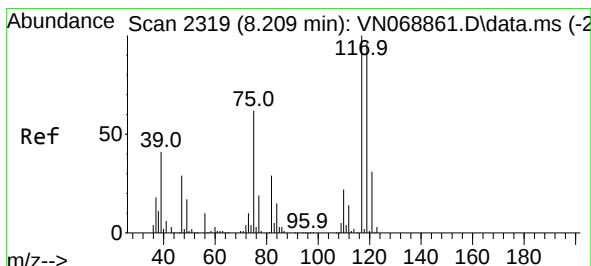
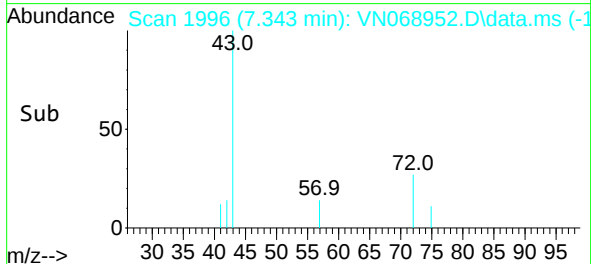
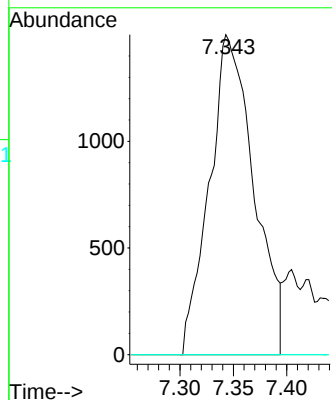
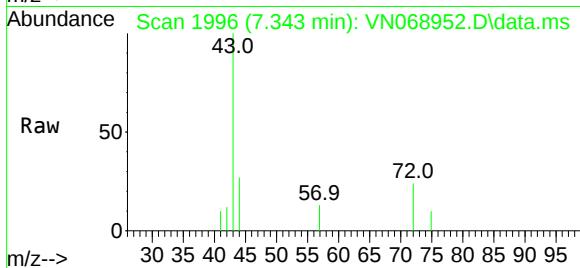
Delta R.T. -0.067 min

Lab File: VN068952.D

Acq: 15 Oct 2021 16:21

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43	Resp: 4365
Ion Ratio	Lower Upper
43 100	
61 0.0	11.2 16.8#
70 0.0	8.4 12.6#



#38

Carbon Tetrachloride

Concen: 6.376 ug/l

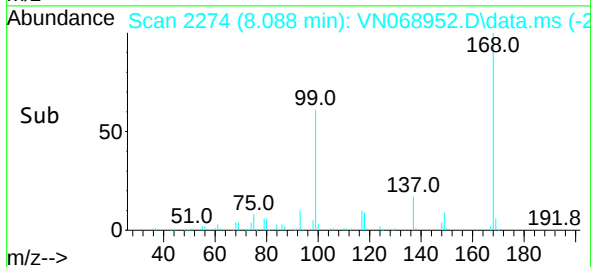
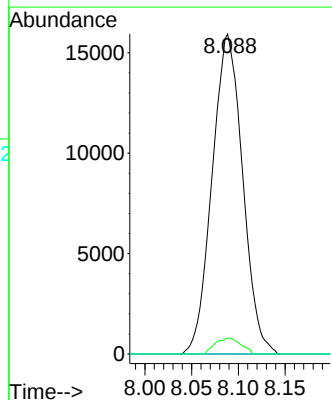
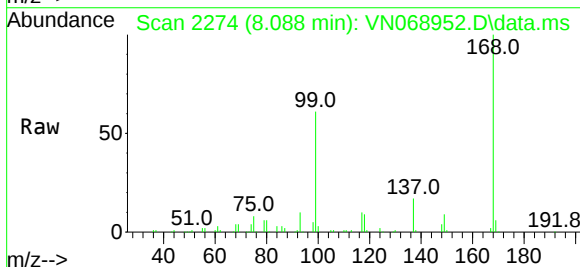
RT: 8.088 min Scan# 2274

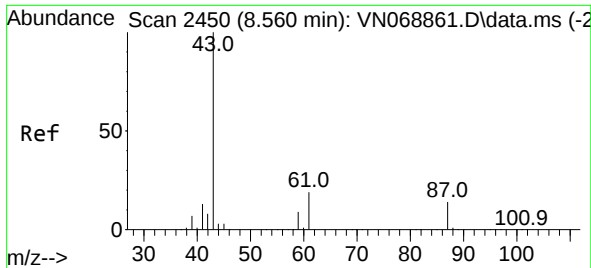
Delta R.T. -0.121 min

Lab File: VN068952.D

Acq: 15 Oct 2021 16:21

Tgt Ion: 117	Resp: 36194
Ion Ratio	Lower Upper
117 100	
119 4.9	76.9 115.3#
121 0.0	24.6 37.0#

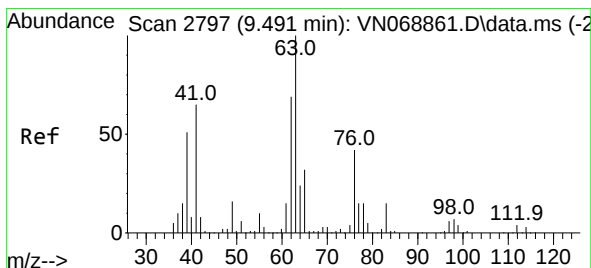
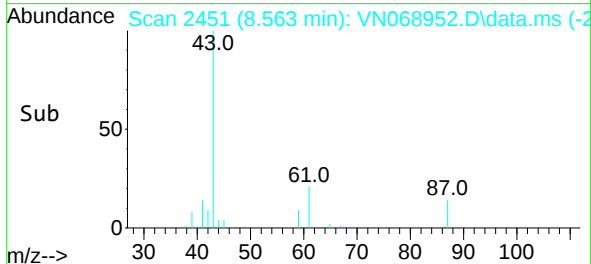
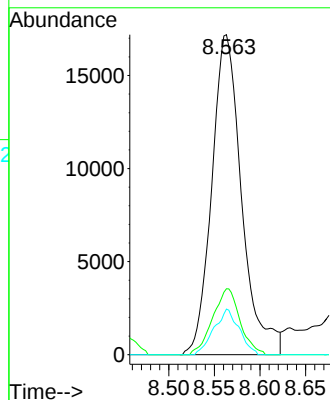
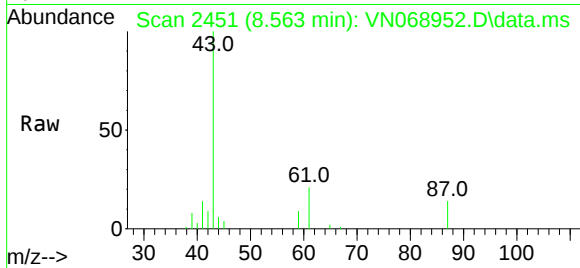




#43
Isopropyl Acetate
Concen: 4.161 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068952.D
Acq: 15 Oct 2021 16:21

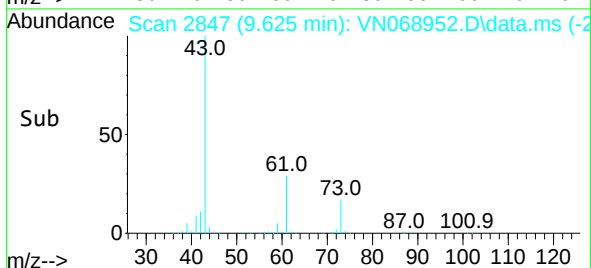
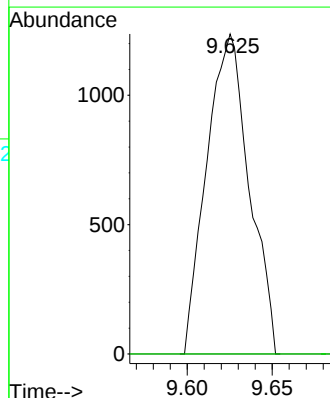
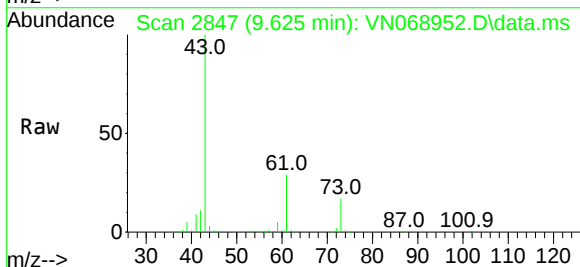
Instrument :
MSVOA_N
ClientSampled :

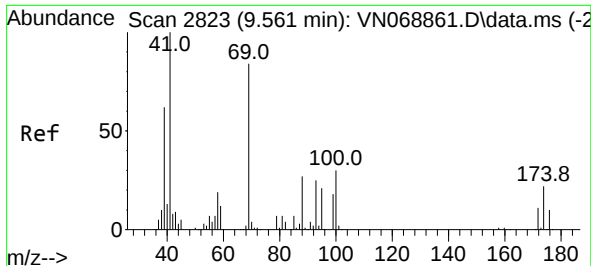
Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.9	20.4	30.6#
87	11.9	10.7	16.1



#45
1,2-Dichloropropane
Concen: 0.528 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068952.D
Acq: 15 Oct 2021 16:21

Tgt Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.6	38.4#

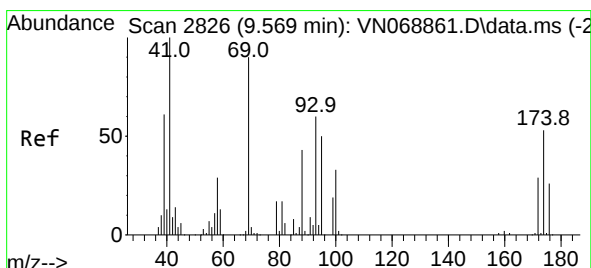
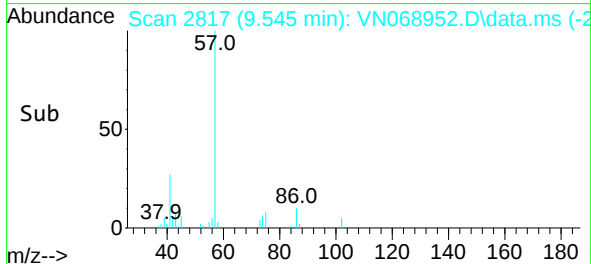
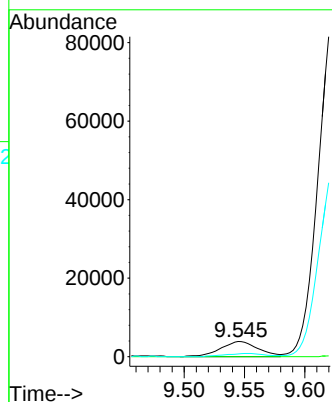
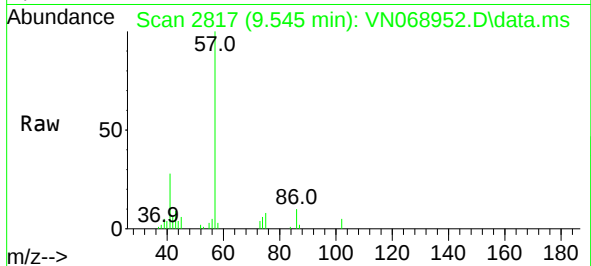




#48
Methyl methacrylate
Concen: 1.893 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068952.D
Acq: 15 Oct 2021 16:21

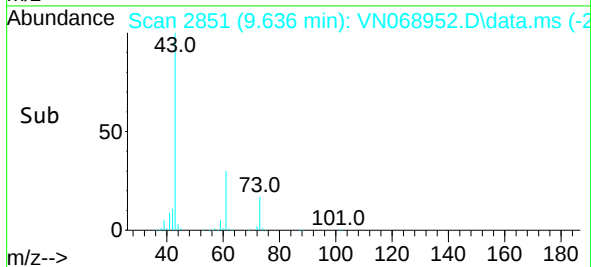
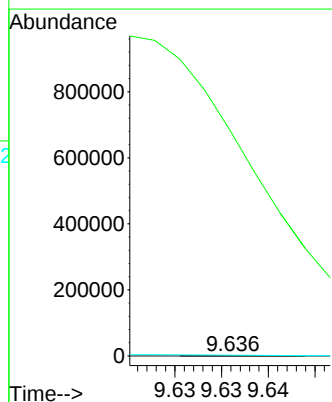
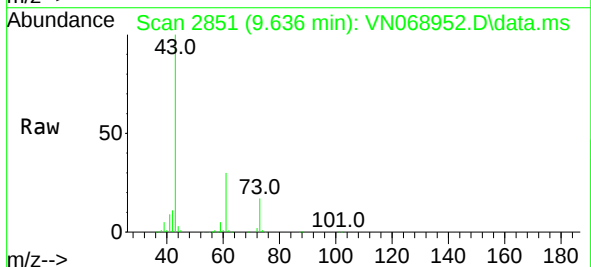
Instrument :
MSVOA_N
ClientSampled :

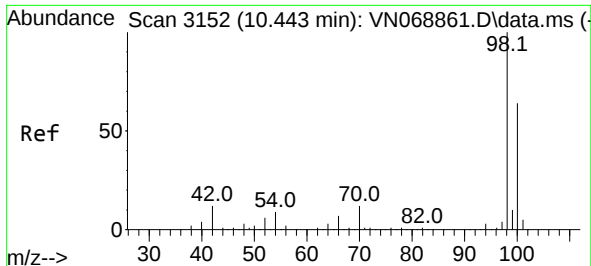
Tgt Ion: 41 Resp: 8377
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 35.902 ug/l
RT: 9.636 min Scan# 2851
Delta R.T. 0.067 min
Lab File: VN068952.D
Acq: 15 Oct 2021 16:21

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 7752837.5 24.9 37.3#
58 28704.2 56.9 85.3#

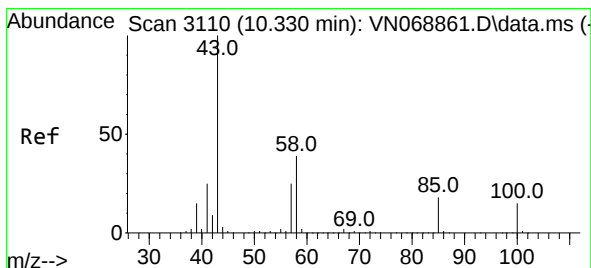
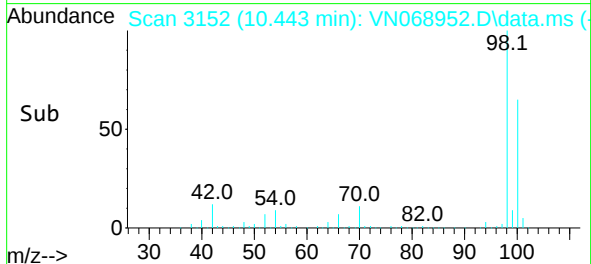
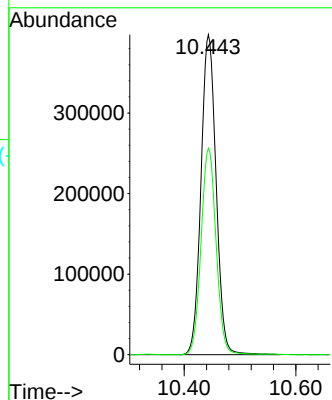
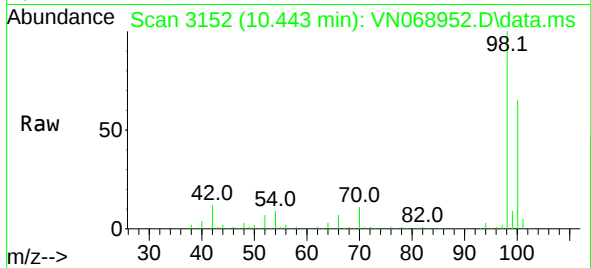




#50
Toluene-d8
Concen: 52.902 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068952.D
Acq: 15 Oct 2021 16:21

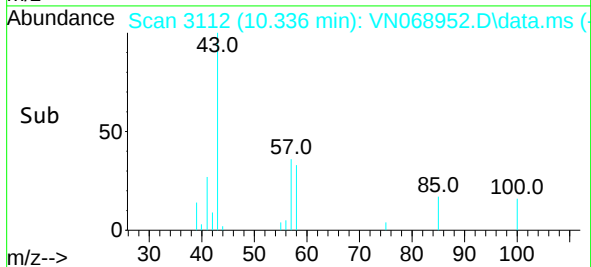
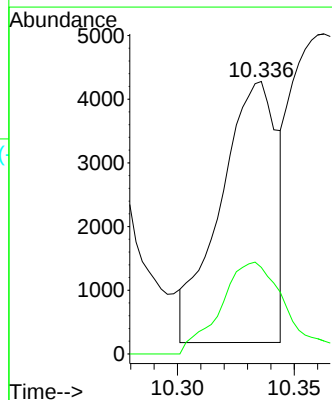
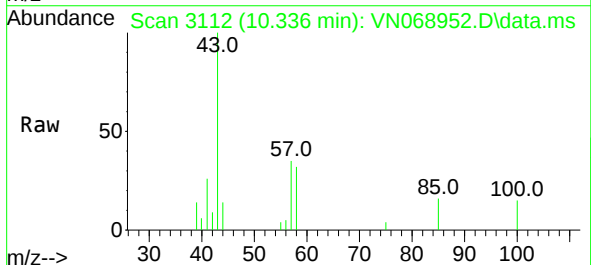
Instrument :
MSVOA_N
ClientSampled :

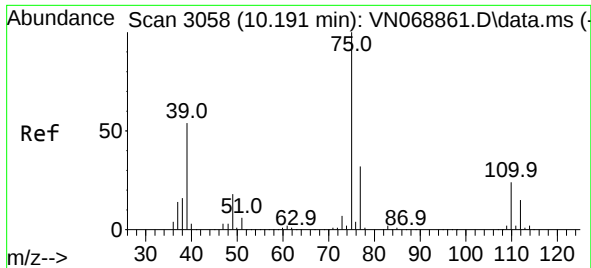
Tgt Ion: 98 Resp: 745205
Ion Ratio Lower Upper
98 100
100 64.4 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.265 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN068952.D
Acq: 15 Oct 2021 16:21

Tgt Ion: 43 Resp: 6906
Ion Ratio Lower Upper
43 100
58 39.9 31.0 46.4

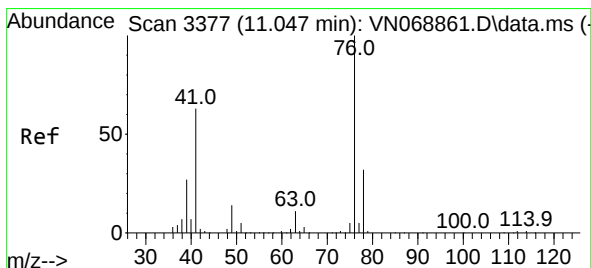
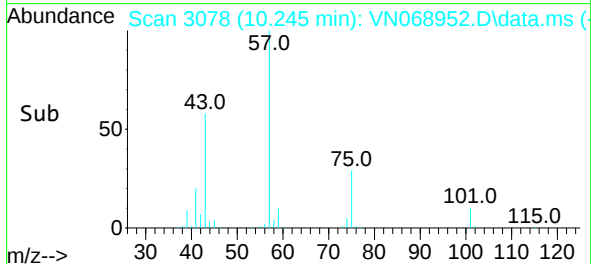
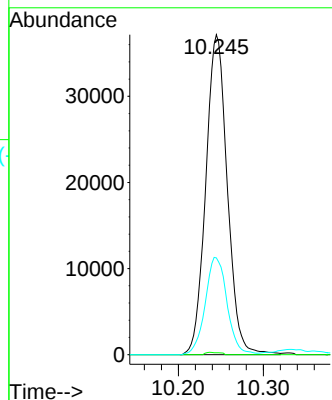
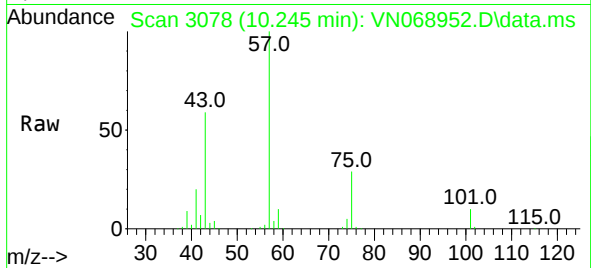




#54
 cis-1,3-Dichloropropene
 Concen: 9.606 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN068952.D
 Acq: 15 Oct 2021 16:21

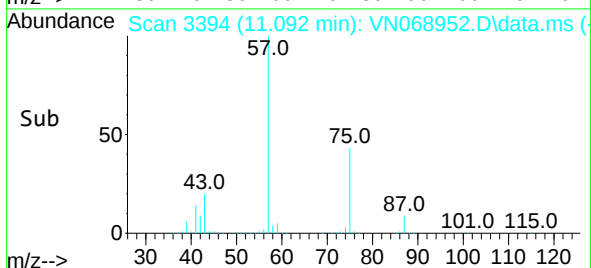
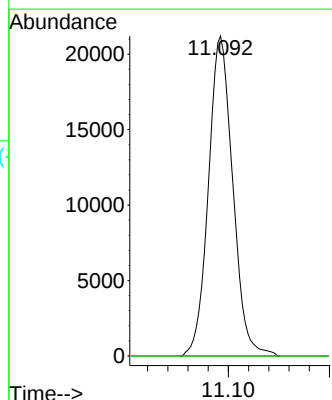
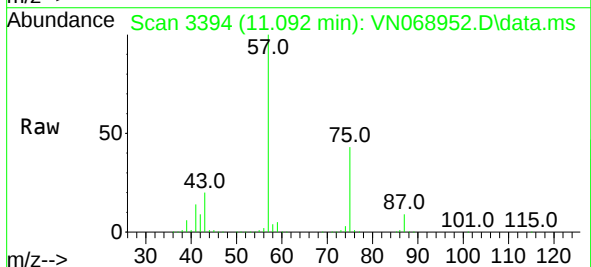
Instrument :
 MSVOA_N
 ClientSampleId :

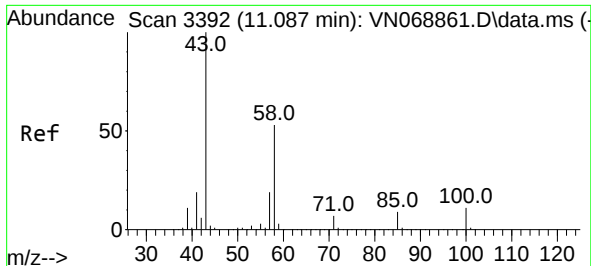
Tgt Ion: 75 Resp: 65399
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.6 38.4#
 39 30.3 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 5.391 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN068952.D
 Acq: 15 Oct 2021 16:21

Tgt Ion: 76 Resp: 35486
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

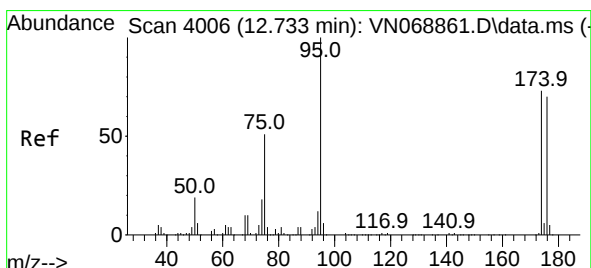
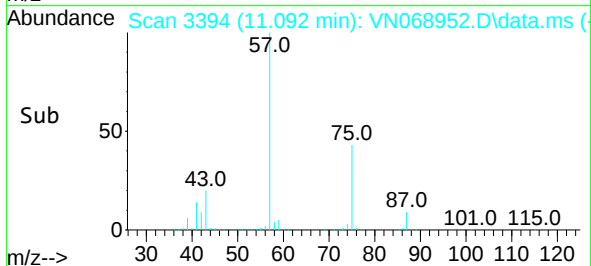
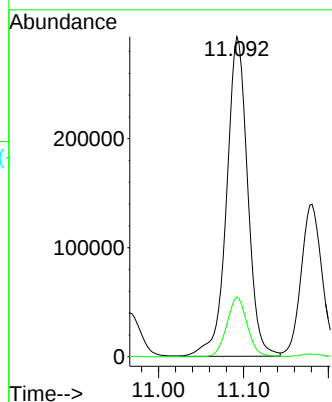
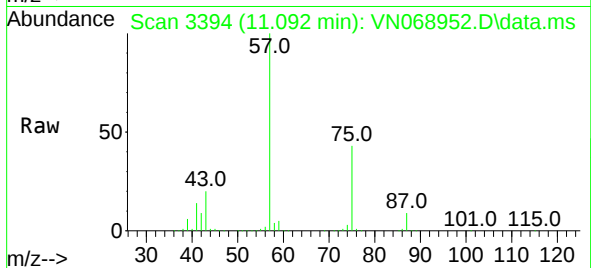




#59
2-Hexanone
Concen: 129.028 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068952.D
Acq: 15 Oct 2021 16:21

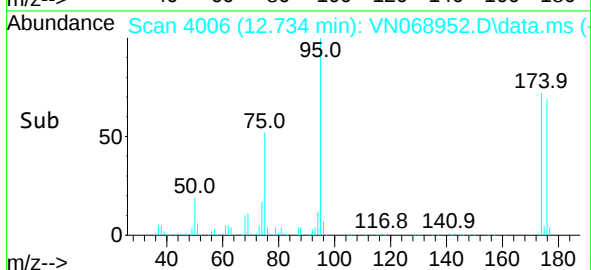
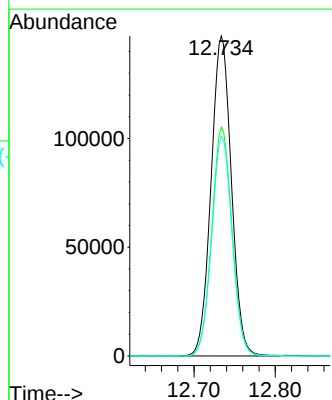
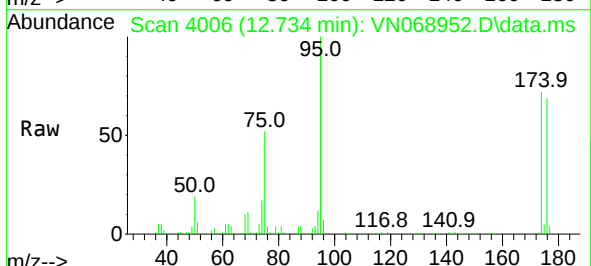
Instrument :
MSVOA_N
ClientSampled :

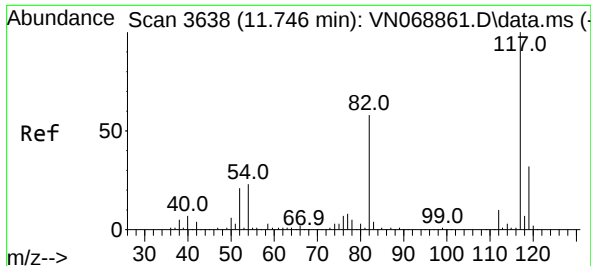
Tgt Ion: 43 Resp: 505331
Ion Ratio Lower Upper
43 100
58 18.1 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 48.087 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068952.D
Acq: 15 Oct 2021 16:21

Tgt Ion: 95 Resp: 255569
Ion Ratio Lower Upper
95 100
174 71.4 0.0 144.8
176 69.1 0.0 140.0

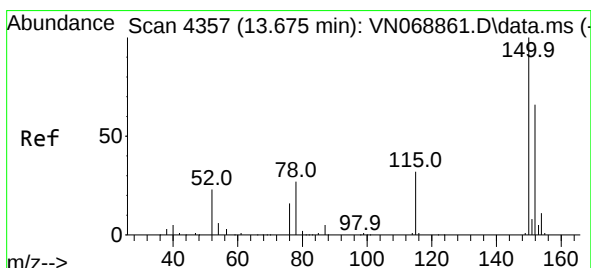
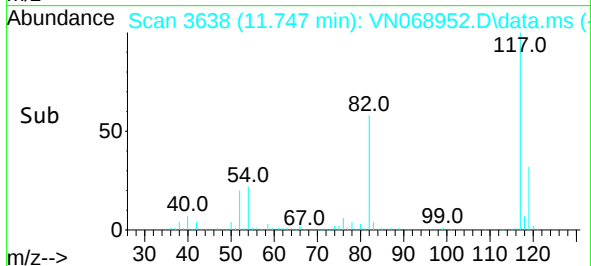
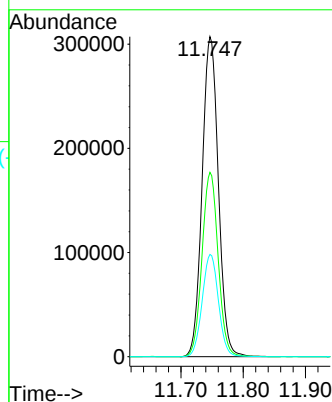
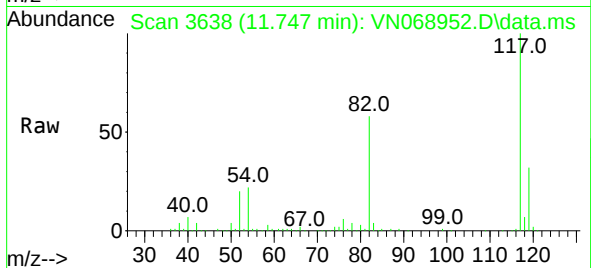




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068952.D
Acq: 15 Oct 2021 16:21

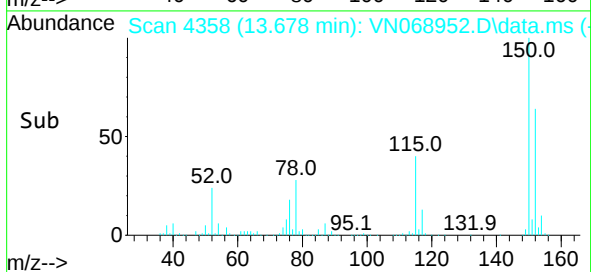
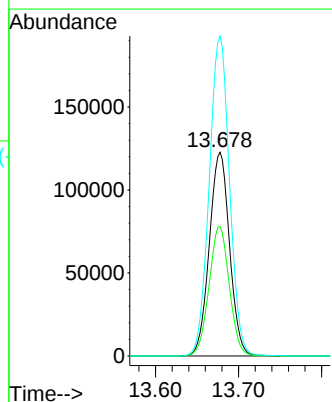
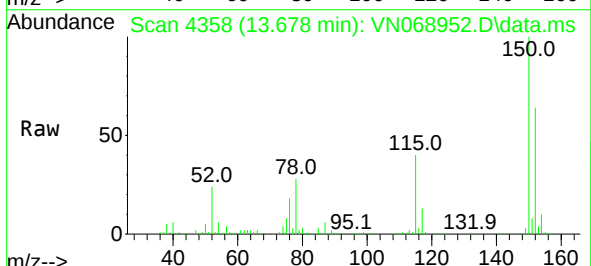
Instrument :
MSVOA_N
ClientSampleId :

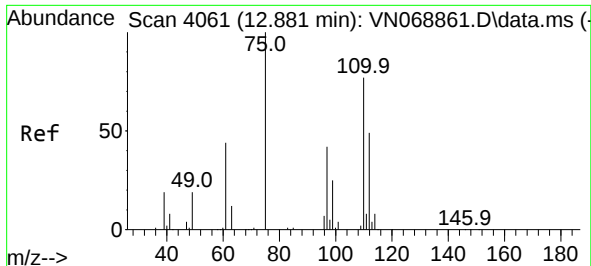
Tgt Ion:117 Resp: 556080
Ion Ratio Lower Upper
117 100
82 57.6 46.4 69.6
119 31.9 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068952.D
Acq: 15 Oct 2021 16:21

Tgt Ion:152 Resp: 207700
Ion Ratio Lower Upper
152 100
115 63.6 31.4 94.3
150 157.1 0.0 351.0

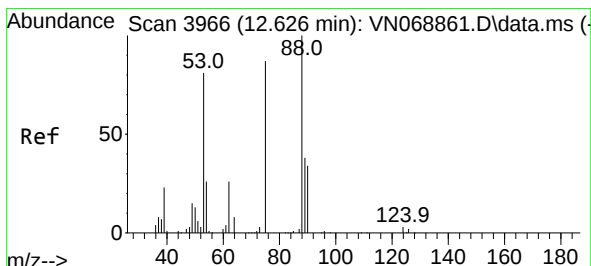
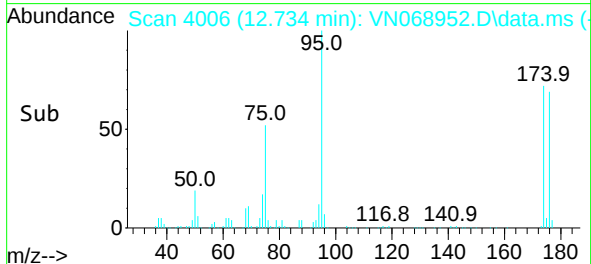
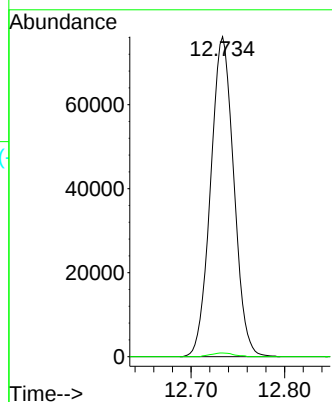
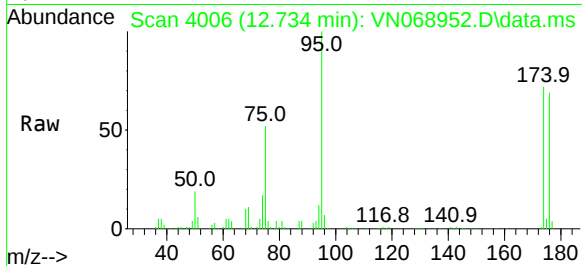




#76
1,2,3-Trichloropropane
Concen: 29.713 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068952.D
Acq: 15 Oct 2021 16:21

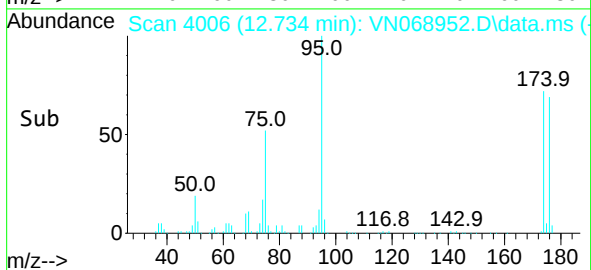
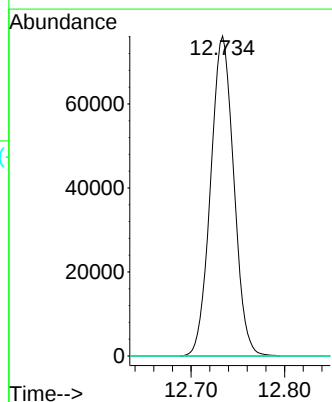
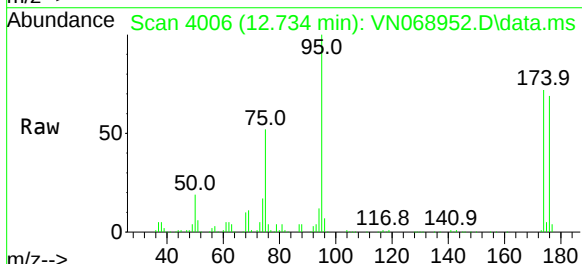
Instrument :
MSVOA_N
ClientSampleId :

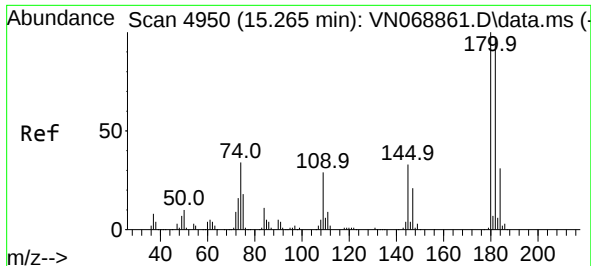
Tgt Ion: 75 Resp: 131310
Ion Ratio Lower Upper
75 100
77 1.2 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.087 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068952.D
Acq: 15 Oct 2021 16:21

Tgt Ion: 75 Resp: 131310
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#

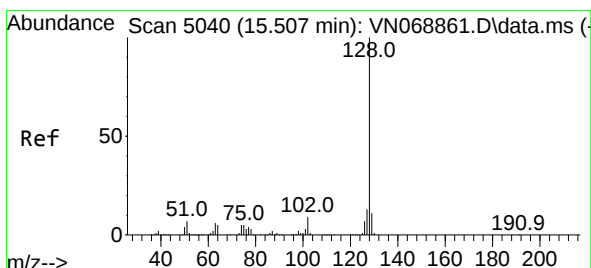
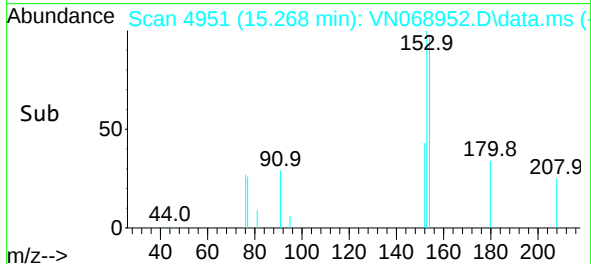
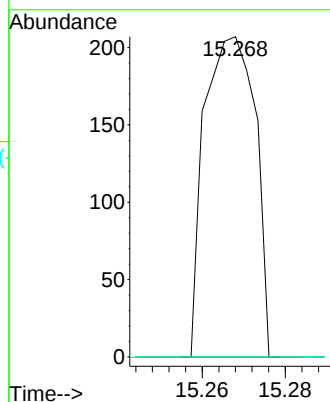
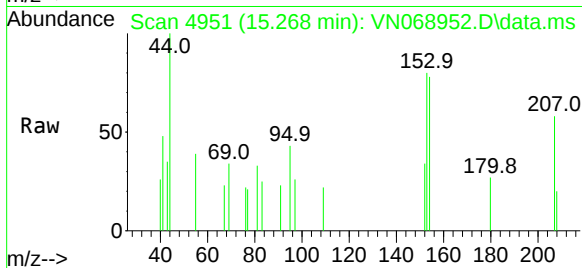




#93
1,2,4-Trichlorobenzene
Concen: 2.649 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068952.D
Acq: 15 Oct 2021 16:21

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:180 Resp: 175
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.7#
145 0.0 16.4 49.2#



#95
Naphthalene
Concen: 4.103 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068952.D
Acq: 15 Oct 2021 16:21

Tgt Ion:128 Resp: 3043
Ion Ratio Lower Upper
128 100
127 6.3 10.5 15.7#
129 7.1 8.9 13.3#

