

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN068981.D
 Acq On : 18 Oct 2021 15:59
 Operator : JC/MD
 Sample : M4243-13
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 06:37:17 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)

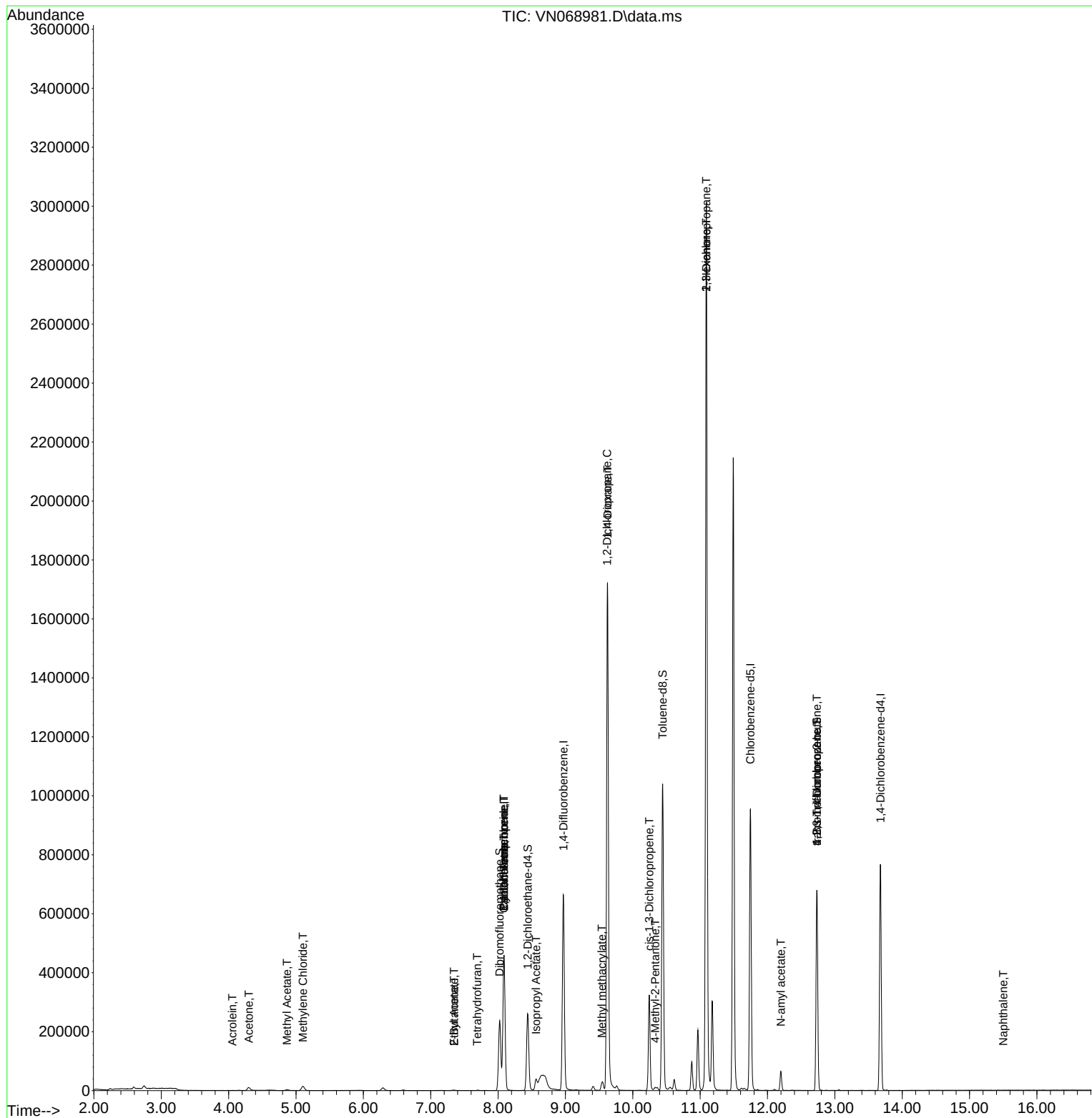
Internal Standards						
1) Pentafluorobenzene	8.088	168	343648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	591228	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	563137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	205295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	219986	48.553	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.100%		
35) Dibromofluoromethane	8.024	113	176255	51.240	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.480%		
50) Toluene-d8	10.443	98	747707	54.326	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	108.660%		
62) 4-Bromofluorobenzene	12.734	95	254353	48.983	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.960%		
Target Compounds						Qvalue
13) Acrolein	4.055	56	77	0.210	ug/l #	1
16) Acetone	4.299	43	20496	12.122	ug/l	98
18) Methyl Acetate	4.867	43	7056	1.100	ug/l #	67
20) Methylene Chloride	5.103	84	12340	3.171	ug/l	95
25) 2-Butanone	7.348	43	3627	1.419	ug/l #	88
29) Tetrahydrofuran	7.689	42	530	0.320	ug/l #	60
31) Cyclohexane	8.088	56	7755	1.101	ug/l #	7
36) 1,1-Dichloropropene	8.088	75	28198	5.584	ug/l #	45
37) Ethyl Acetate	7.348	43	3627	0.695	ug/l #	68
38) Carbon Tetrachloride	8.086	117	35594	6.418	ug/l #	15
43) Isopropyl Acetate	8.563	43	46950	5.102	ug/l #	85
45) 1,2-Dichloropropane	9.620	63	2025	0.507	ug/l #	43
48) Methyl methacrylate	9.542	41	8156	1.886	ug/l #	13
49) 1,4-Dioxane	9.625	88	51	36.217	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	4939	0.926	ug/l #	79
54) cis-1,3-Dichloropropene	10.245	75	61598	9.260	ug/l #	59
57) 1,3-Dichloropropane	11.090	76	32962	5.125	ug/l #	42
59) 2-Hexanone	11.092	43	468515	122.437	ug/l #	50
74) N-amyl acetate	12.197	43	20888	3.227	ug/l #	53
76) 1,2,3-Trichloropropane	12.734	75	130783	29.941	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	130783	71.631	ug/l #	12
95) Naphthalene	15.501	128	296	3.840	ug/l #	69

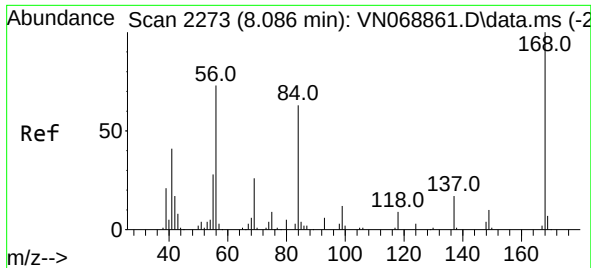
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 13 05:44:40 2021
Response via : Initial Calibration

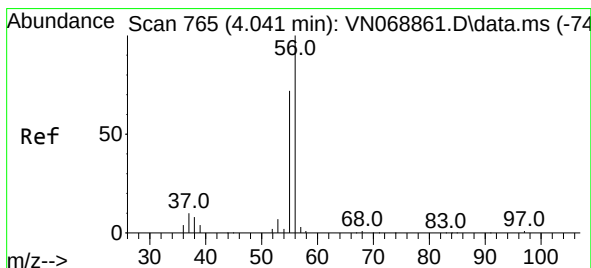
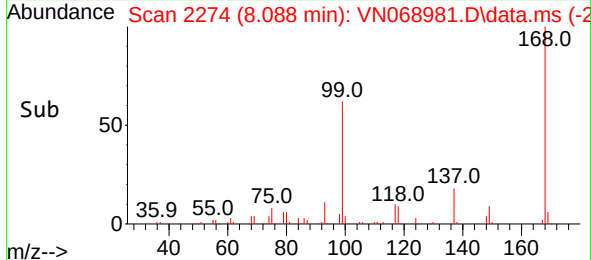
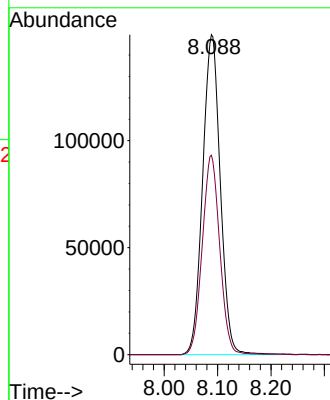
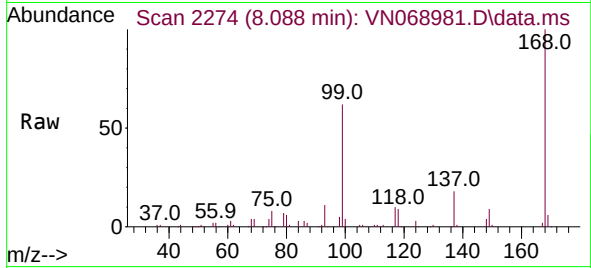




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

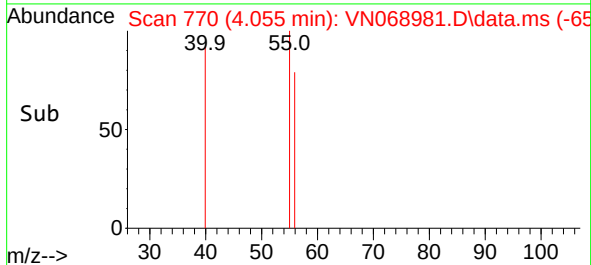
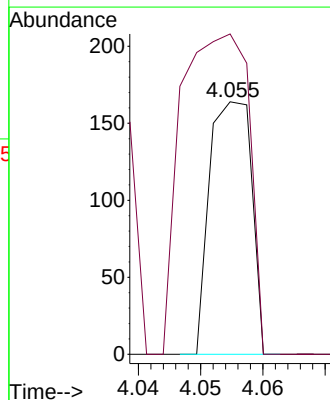
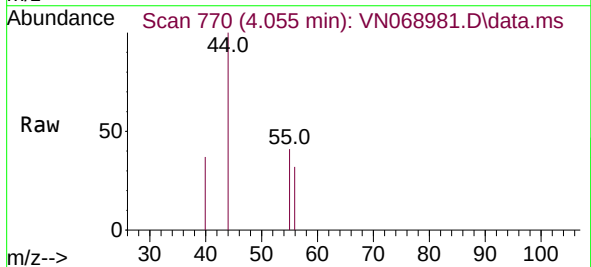
Instrument :
MSVOA_N
ClientSampled :

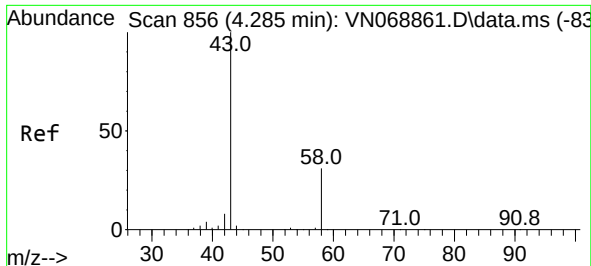
Tgt Ion:168 Resp: 343648
Ion Ratio Lower Upper
168 100
99 62.4 48.9 73.3



#13
Acrolein
Concen: 0.210 ug/l
RT: 4.055 min Scan# 770
Delta R.T. 0.014 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

Tgt Ion: 56 Resp: 77
Ion Ratio Lower Upper
56 100
55 202.6 58.1 87.1#

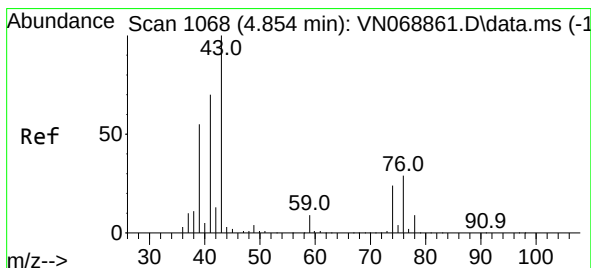
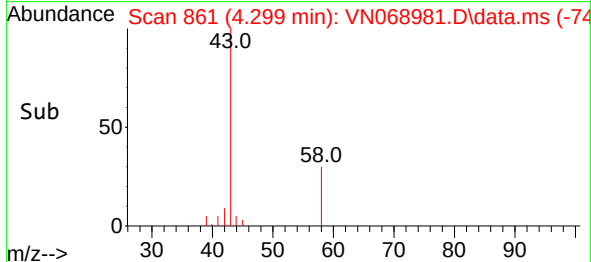
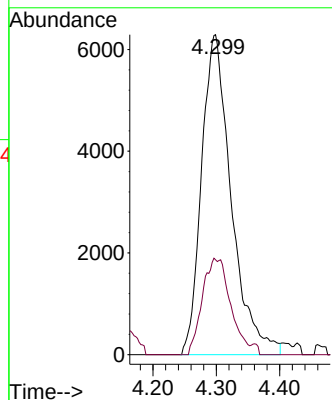
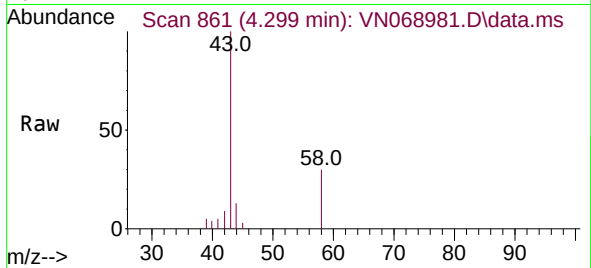




#16
Acetone
Concen: 12.122 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.014 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

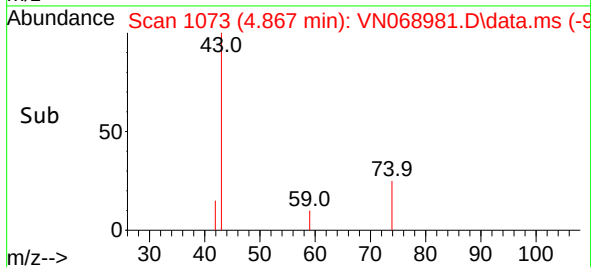
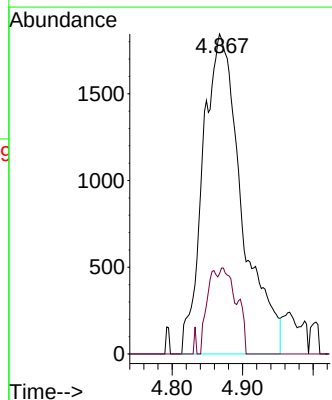
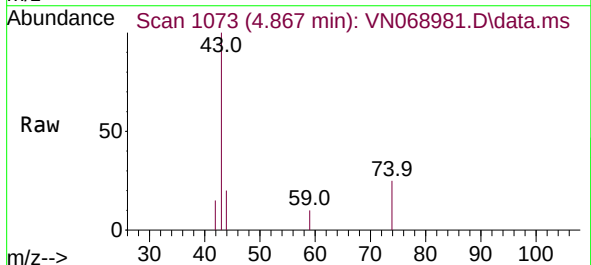
Instrument :
MSVOA_N
ClientSampled :

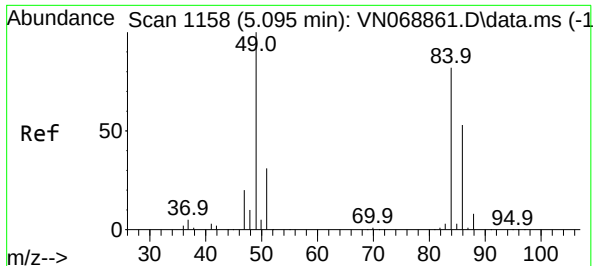
Tgt Ion: 43 Resp: 20496
Ion Ratio Lower Upper
43 100
58 29.7 24.5 36.7



#18
Methyl Acetate
Concen: 1.100 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.014 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

Tgt Ion: 43 Resp: 7056
Ion Ratio Lower Upper
43 100
74 7.6 18.9 28.3#

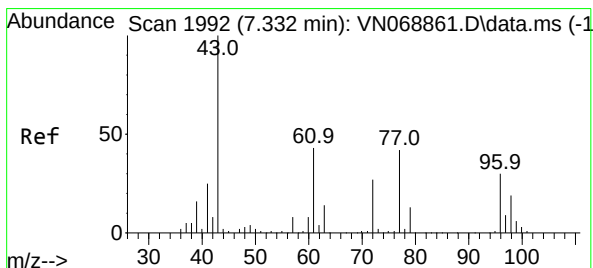
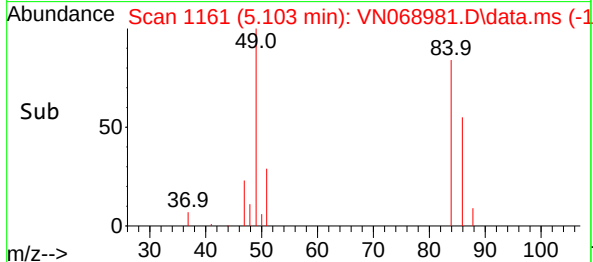
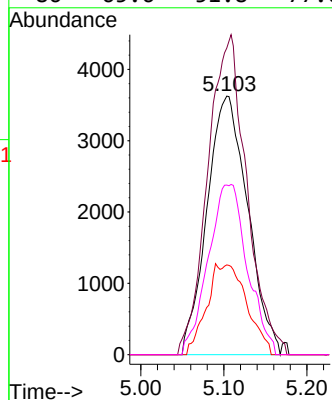
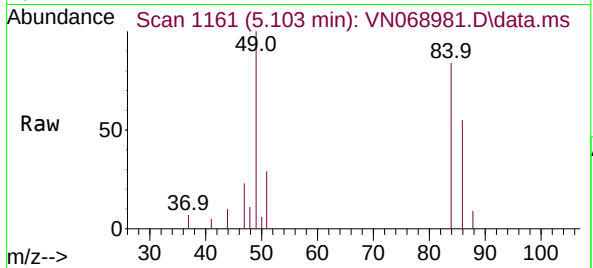




#20
Methylene Chloride
Concen: 3.171 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

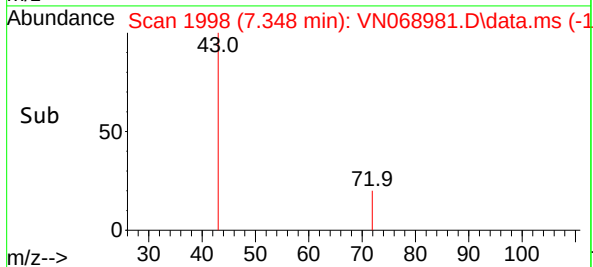
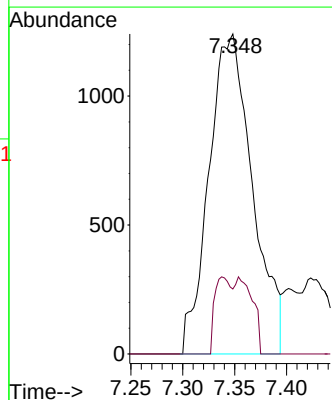
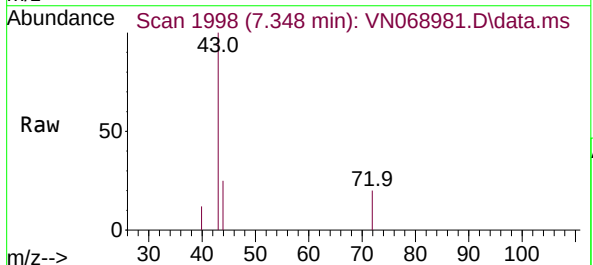
Instrument :
MSVOA_N
ClientSampled :

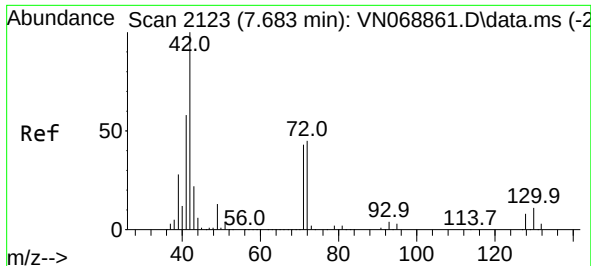
Tgt Ion:	84	Resp:	12340
Ion	Ratio	Lower	Upper
84	100		
49	114.3	97.6	146.4
51	34.7	30.3	45.5
86	65.6	51.8	77.6



#25
2-Butanone
Concen: 1.419 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.016 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

Tgt Ion:	43	Resp:	3627
Ion	Ratio	Lower	Upper
43	100		
72	20.3	21.2	31.8#





#29

Tetrahydrofuran

Concen: 0.320 ug/l

RT: 7.689 min Scan# 2125

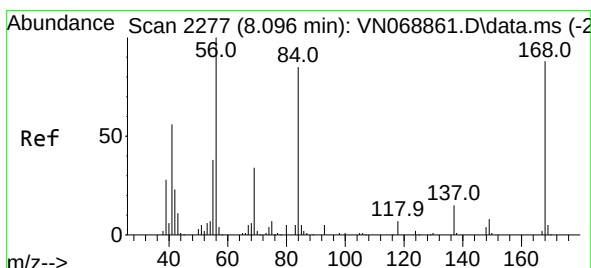
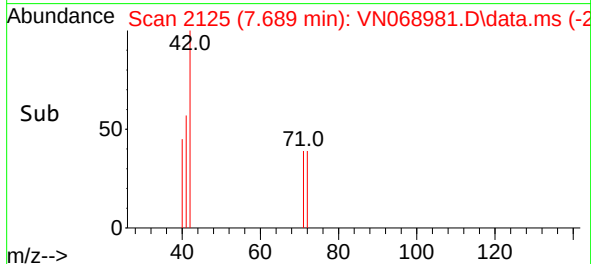
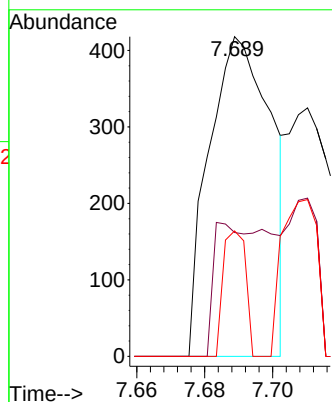
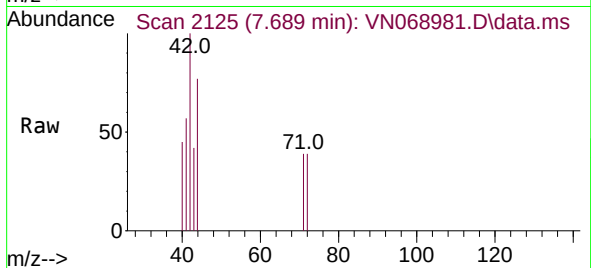
Delta R.T. 0.005 min

Lab File: VN068981.D

Acq: 18 Oct 2021 15:59

Tgt Ion:	42	Resp:	530
Ion	Ratio	Lower	Upper
42	100		
72	20.4	35.4	53.2#
71	14.2	33.8	50.6#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.101 ug/l

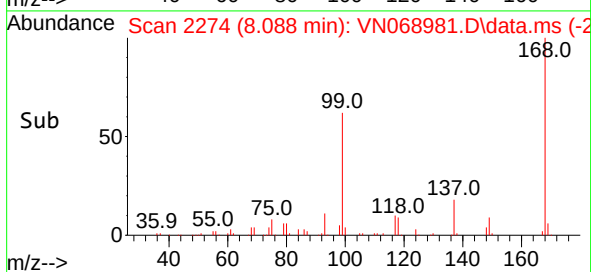
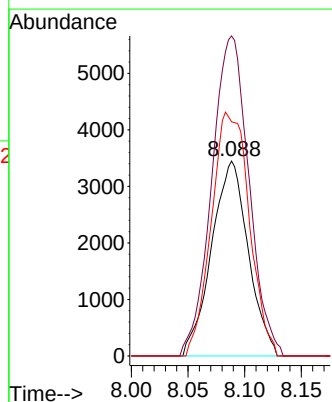
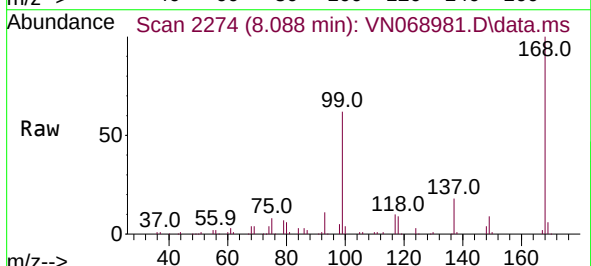
RT: 8.088 min Scan# 2274

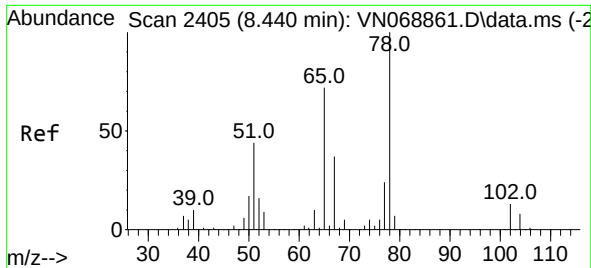
Delta R.T. -0.008 min

Lab File: VN068981.D

Acq: 18 Oct 2021 15:59

Tgt Ion:	56	Resp:	7755
Ion	Ratio	Lower	Upper
56	100		
69	164.2	26.9	40.3#
84	120.2	67.6	101.4#

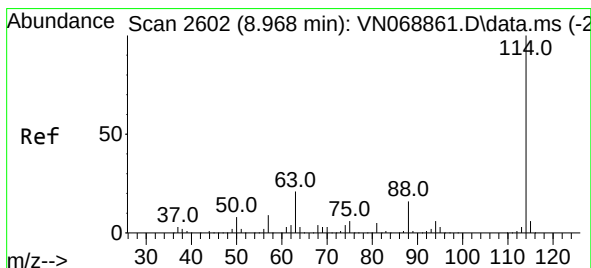
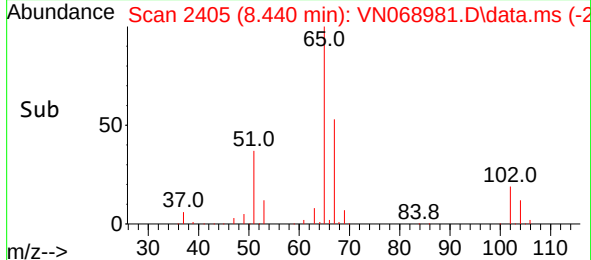
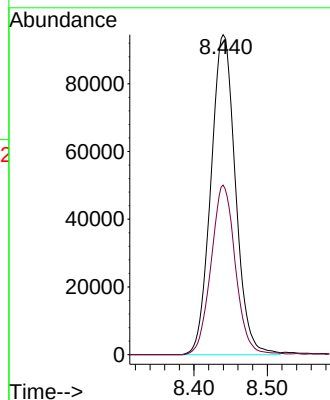
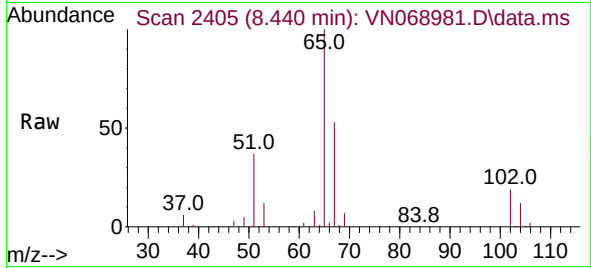




#33
 1,2-Dichloroethane-d4
 Concen: 48.553 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.000 min
 Lab File: VN068981.D
 Acq: 18 Oct 2021 15:59

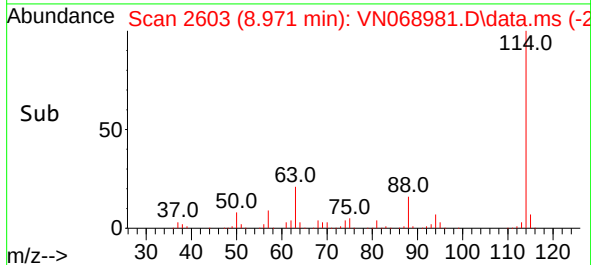
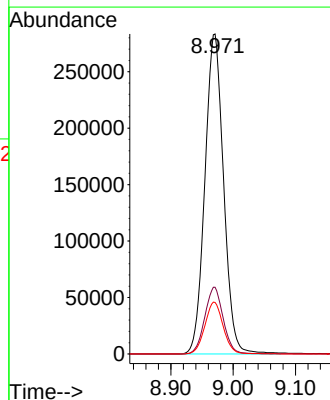
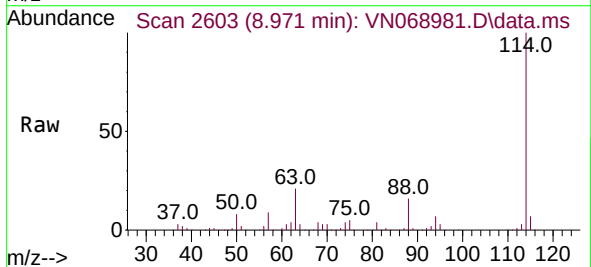
Instrument :
 MSVOA_N
 ClientSampled :

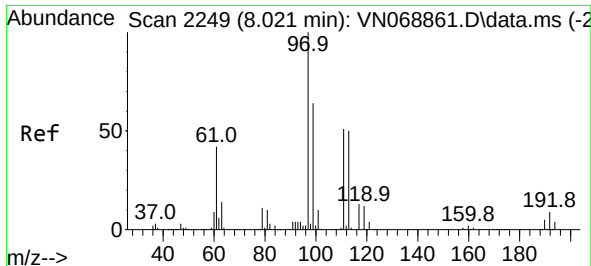
Tgt Ion: 65 Resp: 219986
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068981.D
 Acq: 18 Oct 2021 15:59

Tgt Ion: 114 Resp: 591228
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.6
 88 16.1 0.0 32.0

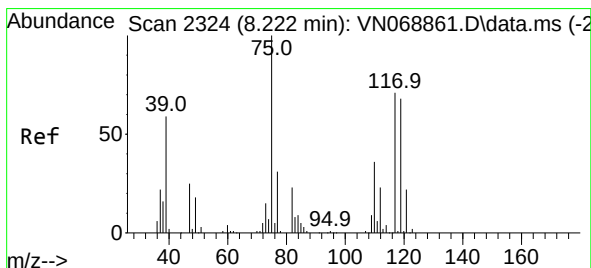
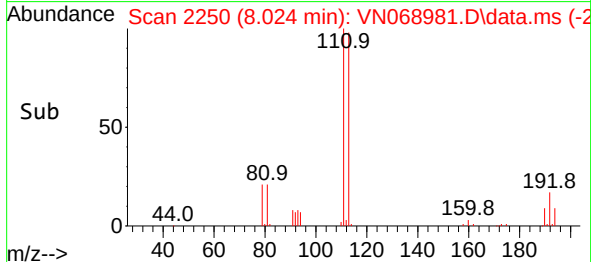
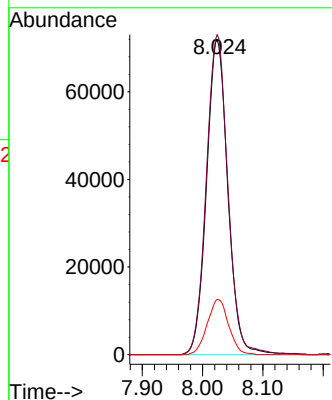
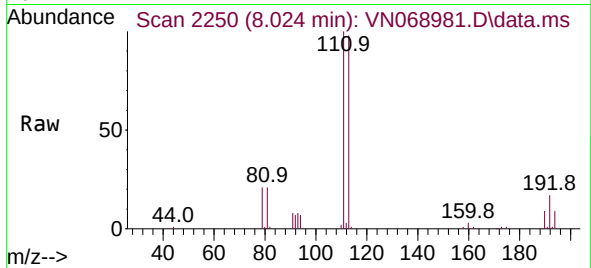




#35
Dibromofluoromethane
Concen: 51.240 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

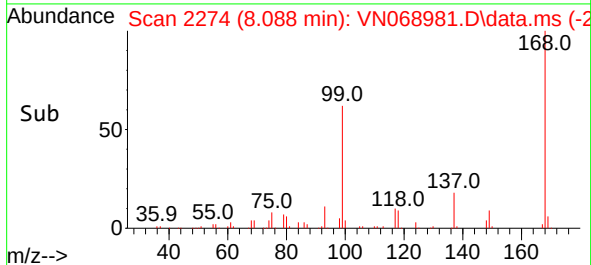
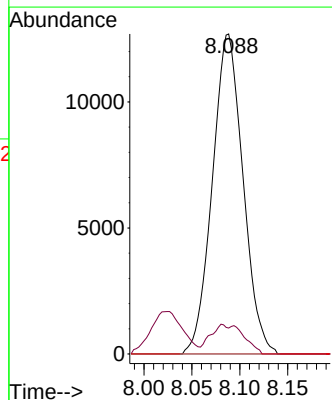
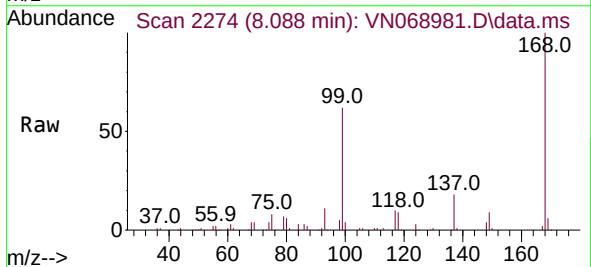
Instrument :
MSVOA_N
ClientSampled :

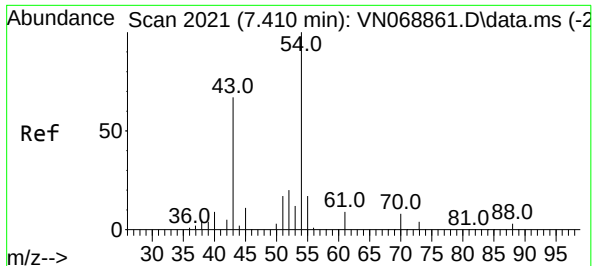
Tgt Ion:113 Resp: 176255
Ion Ratio Lower Upper
113 100
111 103.2 83.2 124.8
192 17.7 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.584 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

Tgt Ion: 75 Resp: 28198
Ion Ratio Lower Upper
75 100
110 3.8 17.9 53.8#
77 0.0 24.7 37.1#

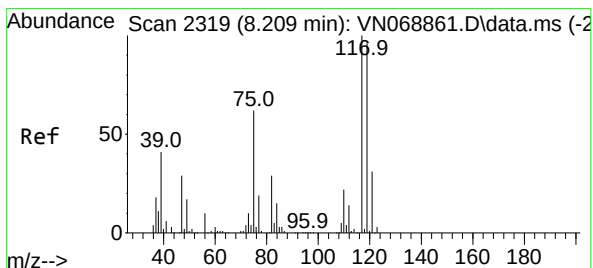
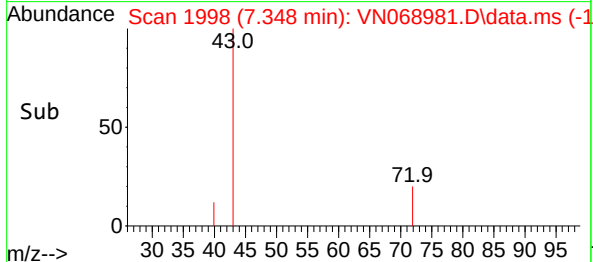
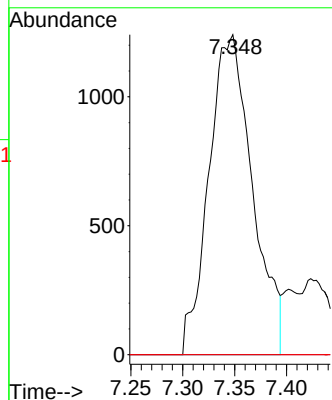
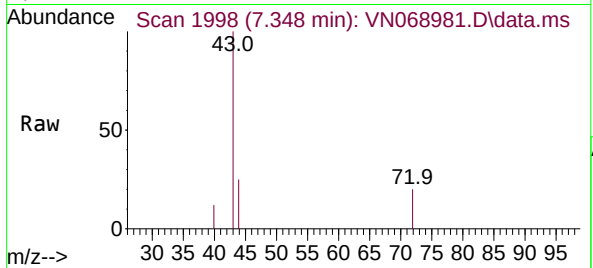




#37
Ethyl Acetate
Concen: 0.695 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. -0.062 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

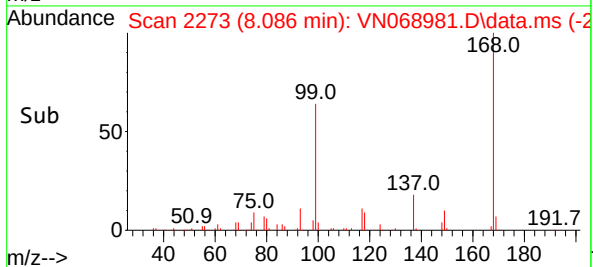
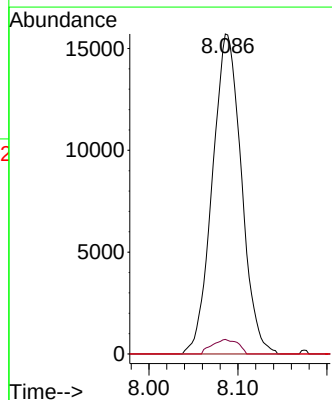
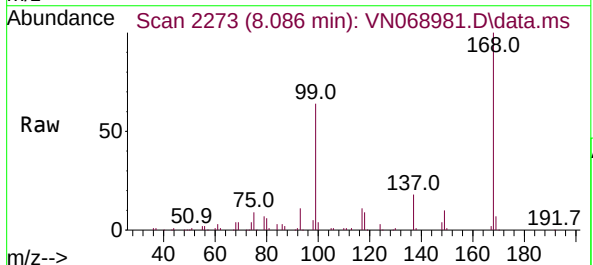
Instrument :
MSVOA_N
ClientSampled :

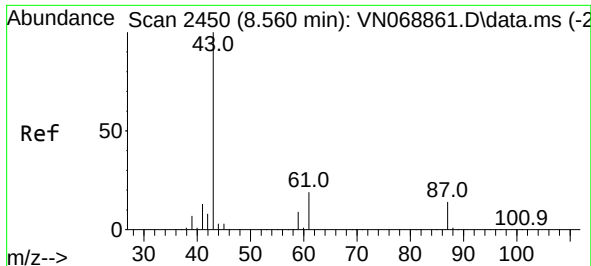
Tgt Ion: 43 Resp: 3627
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.418 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

Tgt Ion: 117 Resp: 35594
Ion Ratio Lower Upper
117 100
119 4.6 76.9 115.3#
121 0.0 24.6 37.0#

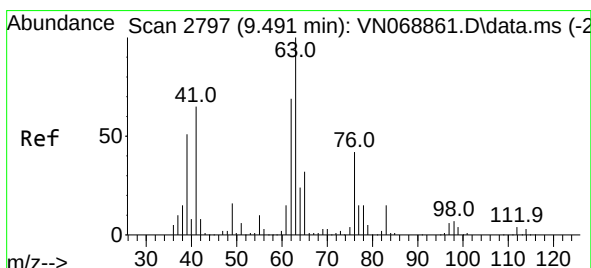
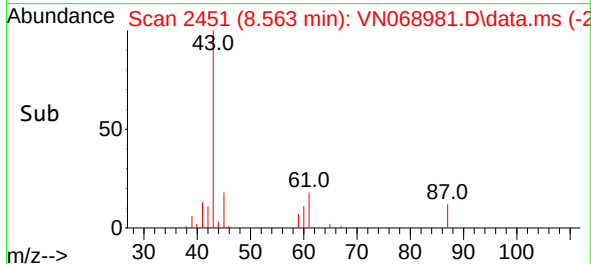
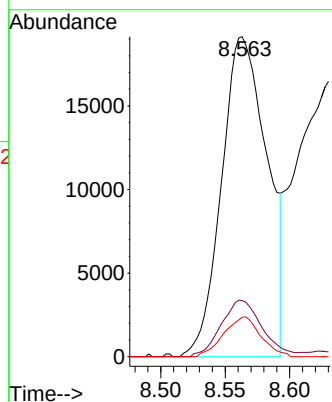
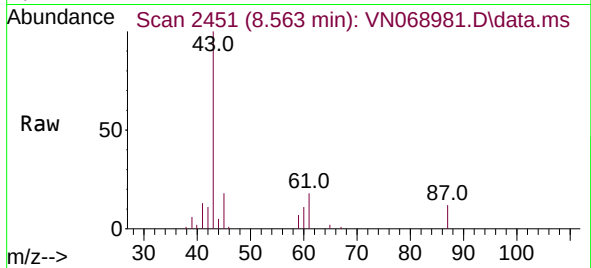




#43
Isopropyl Acetate
Concen: 5.102 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

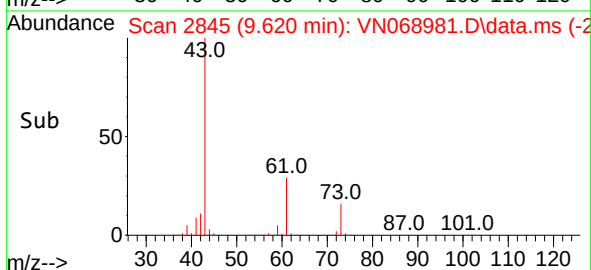
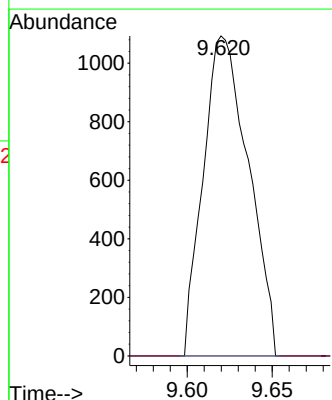
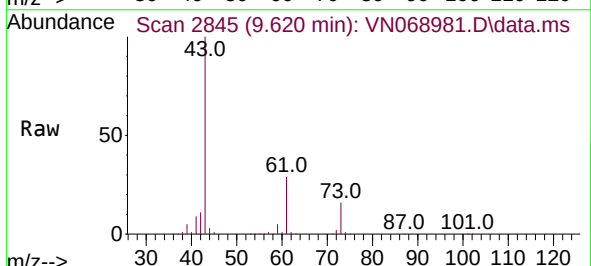
Instrument :
MSVOA_N
ClientSampleId :

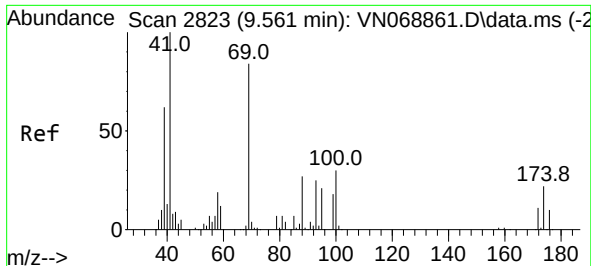
Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.9	20.4	30.6#
87	10.1	10.7	16.1#



#45
1,2-Dichloropropane
Concen: 0.507 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.129 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

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

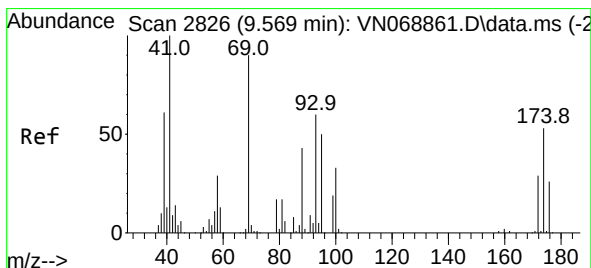
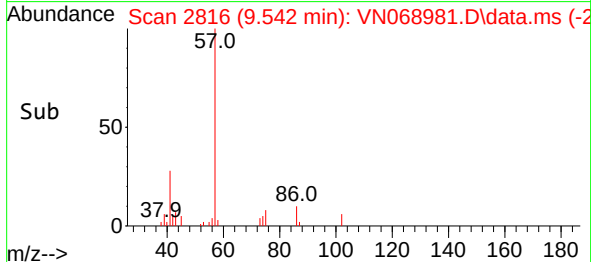
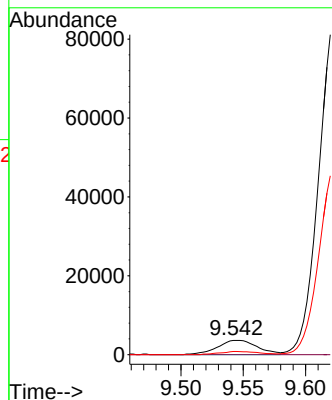
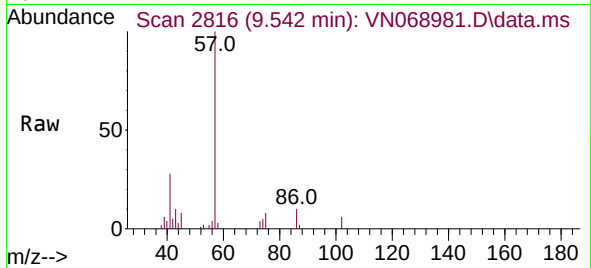




#48
Methyl methacrylate
Concen: 1.886 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.019 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

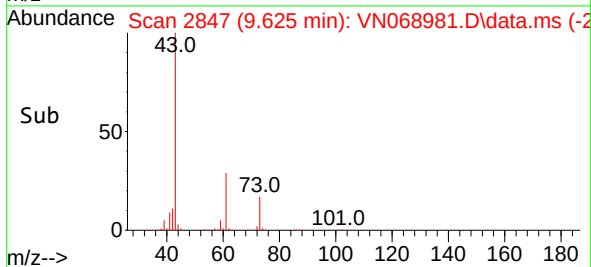
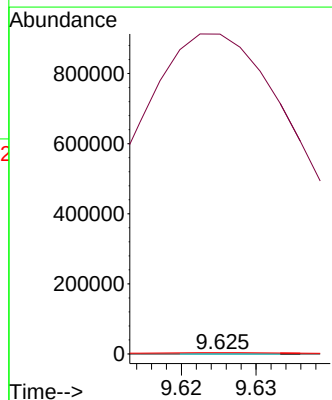
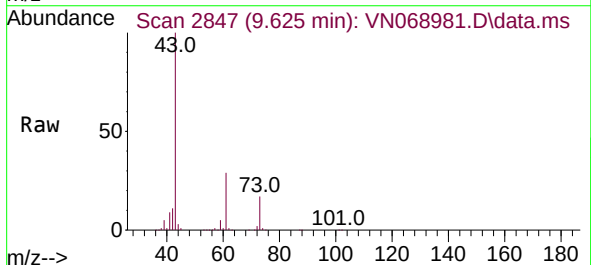
Instrument :
MSVOA_N
ClientSampled :

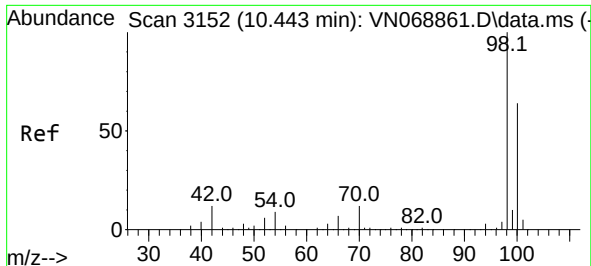
Tgt Ion: 41 Resp: 8156
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 36.217 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.056 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

Tgt Ion: 88 Resp: 51
Ion Ratio Lower Upper
88 100
43 3473325.5 24.9 37.3#
58 12723.5 56.9 85.3#

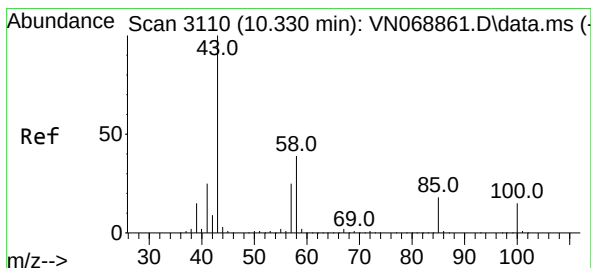
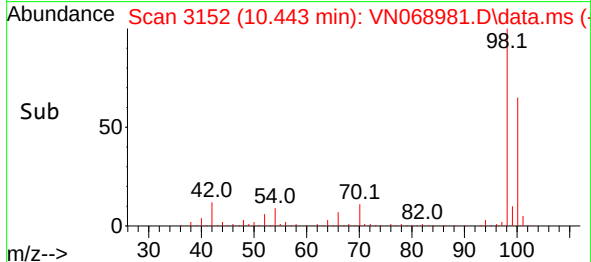
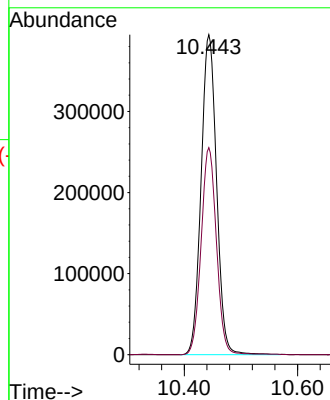
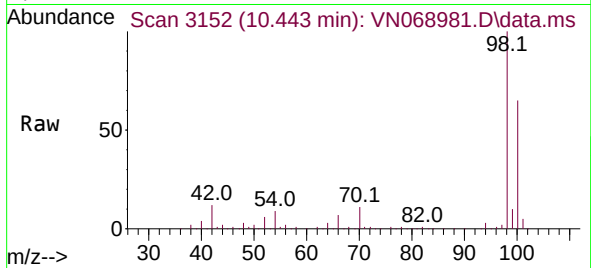




#50
Toluene-d8
Concen: 54.326 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

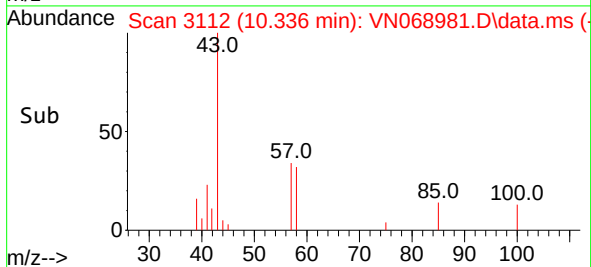
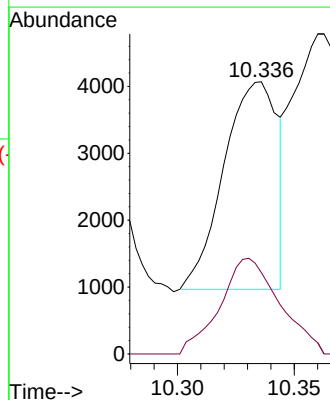
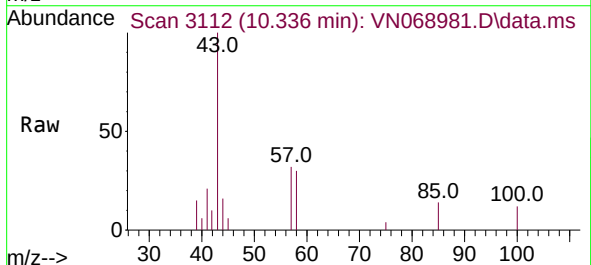
Instrument :
MSVOA_N
ClientSampled :

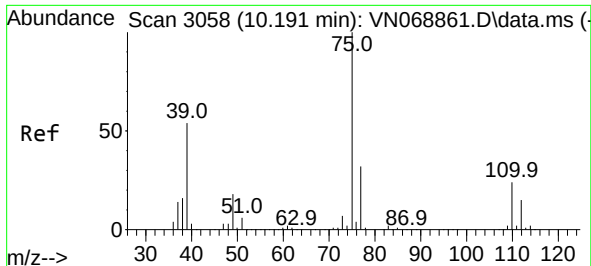
Tgt Ion: 98 Resp: 747707
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.926 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.006 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

Tgt Ion: 43 Resp: 4939
Ion Ratio Lower Upper
43 100
58 51.5 31.0 46.4#

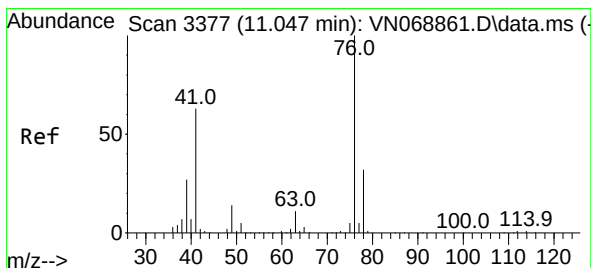
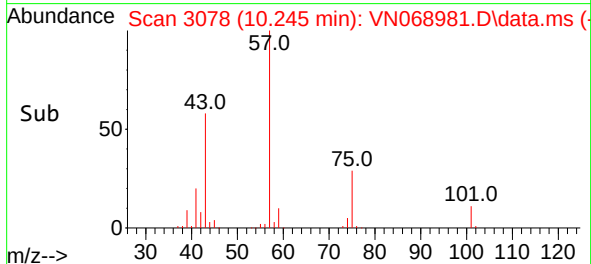
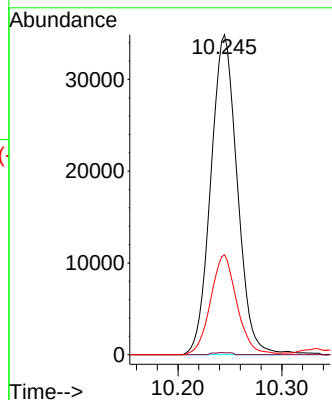
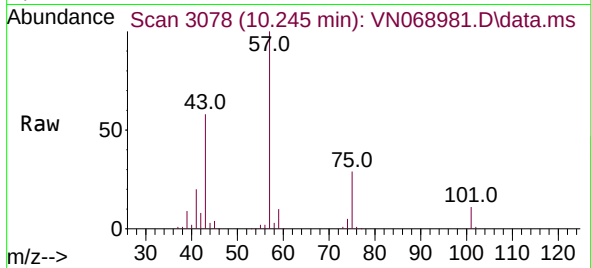




#54
cis-1,3-Dichloropropene
Concen: 9.260 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

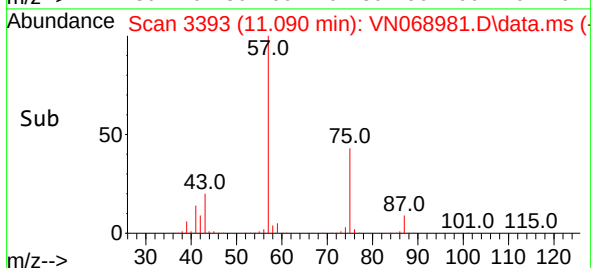
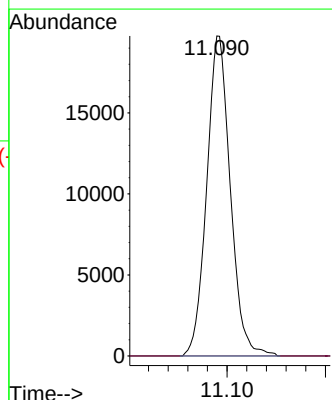
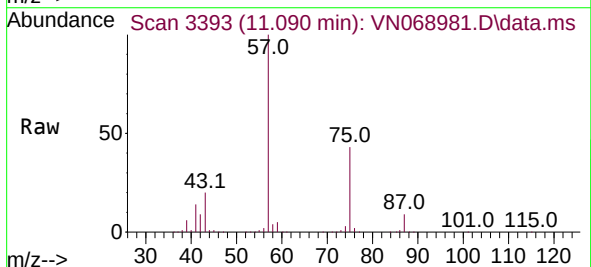
Instrument :
MSVOA_N
ClientSampled :

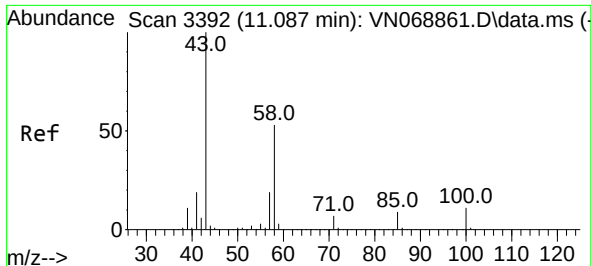
Tgt Ion: 75 Resp: 61598
Ion Ratio Lower Upper
75 100
77 0.6 25.6 38.4#
39 31.2 42.9 64.3#



#57
1,3-Dichloropropane
Concen: 5.125 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.043 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

Tgt Ion: 76 Resp: 32962
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

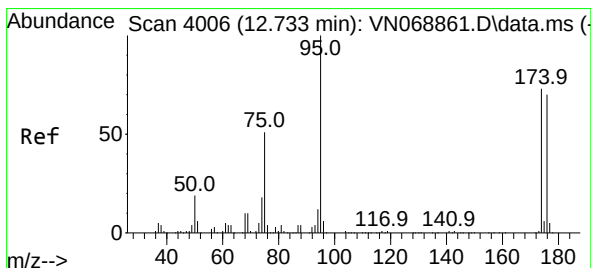
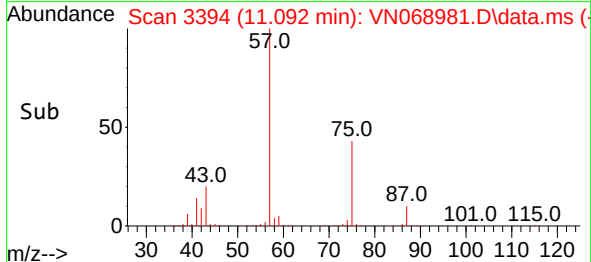
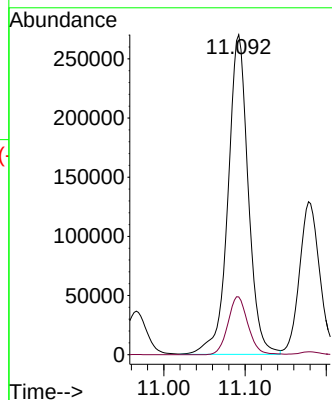
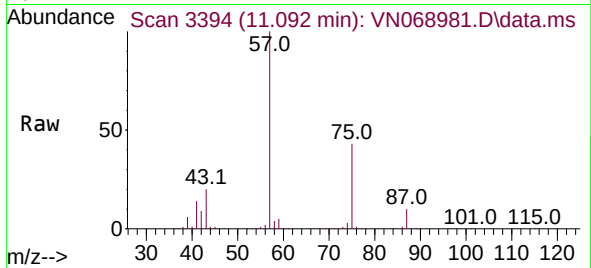




#59
2-Hexanone
Concen: 122.437 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.006 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

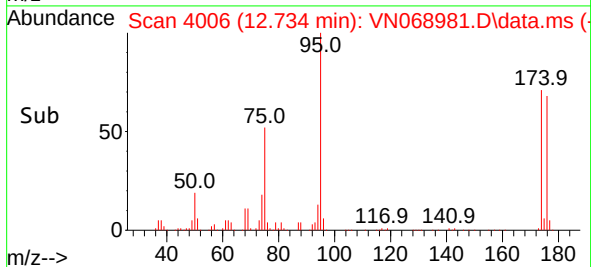
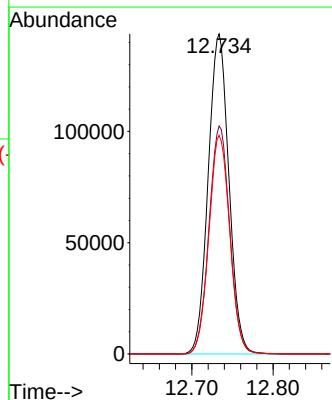
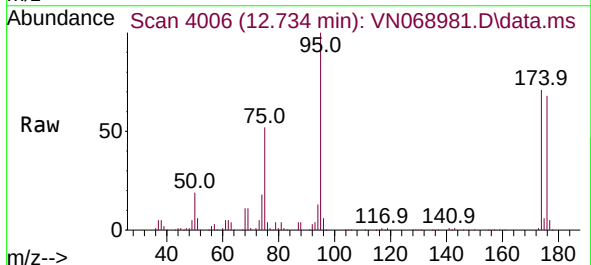
Instrument :
MSVOA_N
ClientSampled :

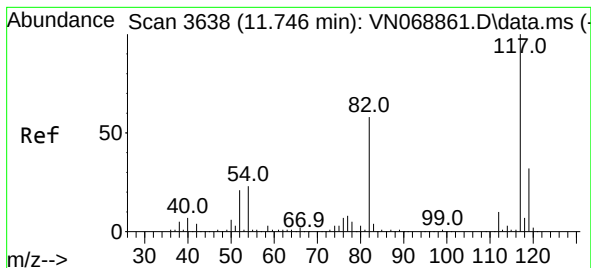
Tgt Ion: 43 Resp: 468515
Ion Ratio Lower Upper
43 100
58 17.9 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 48.983 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

Tgt Ion: 95 Resp: 254353
Ion Ratio Lower Upper
95 100
174 71.2 0.0 144.8
176 68.7 0.0 140.0

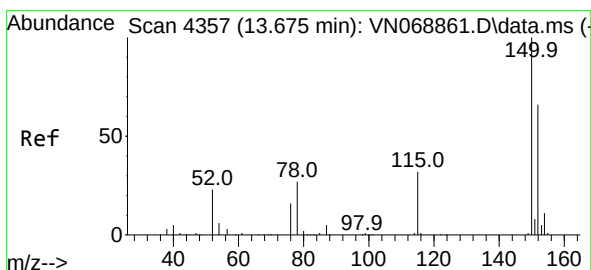
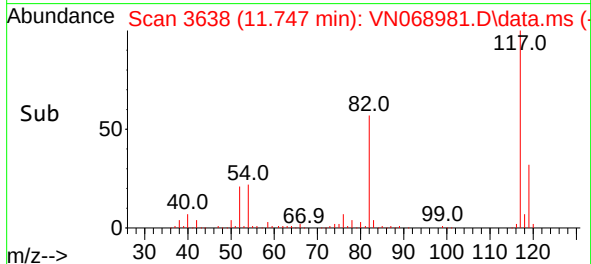
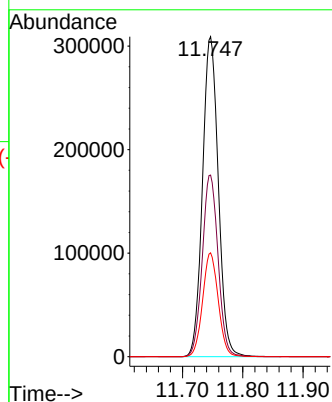
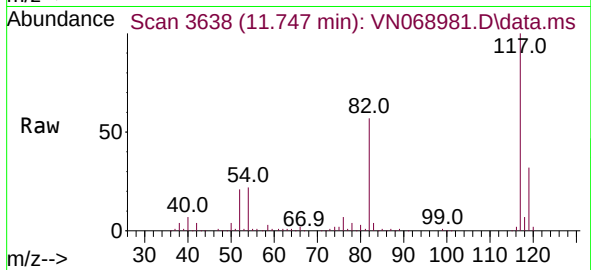




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

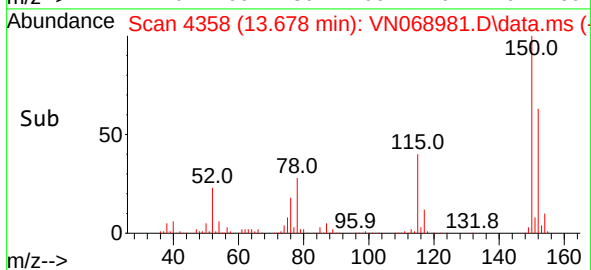
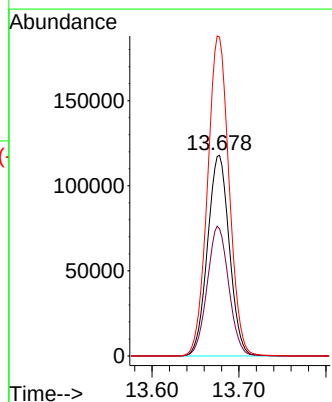
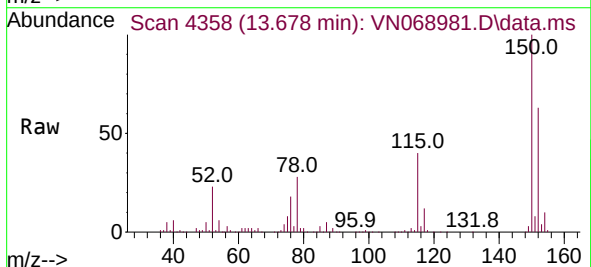
Instrument :
MSVOA_N
ClientSampled :

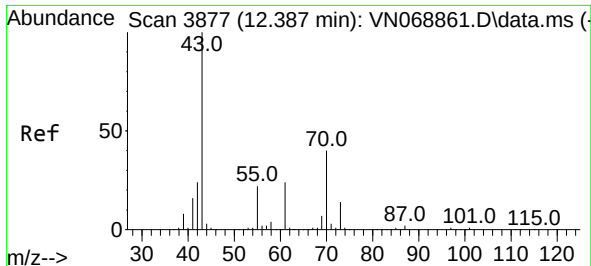
Tgt Ion:117 Resp: 563137
Ion Ratio Lower Upper
117 100
82 56.8 46.4 69.6
119 32.5 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

Tgt Ion:152 Resp: 205295
Ion Ratio Lower Upper
152 100
115 64.0 31.4 94.3
150 157.9 0.0 351.0

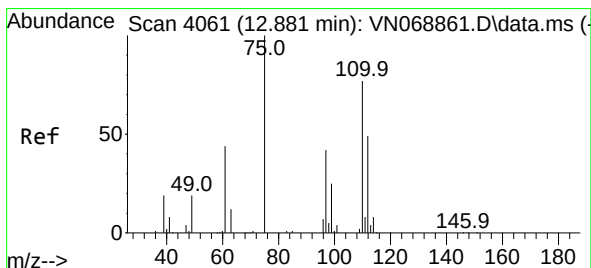
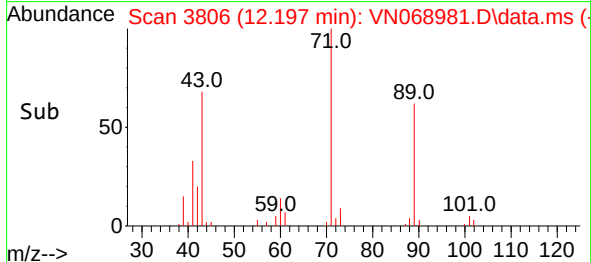
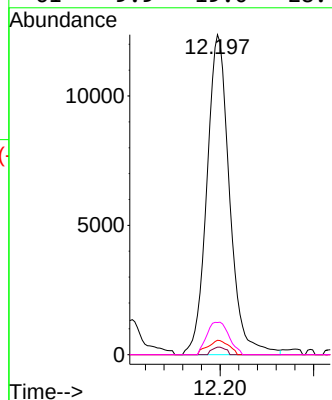
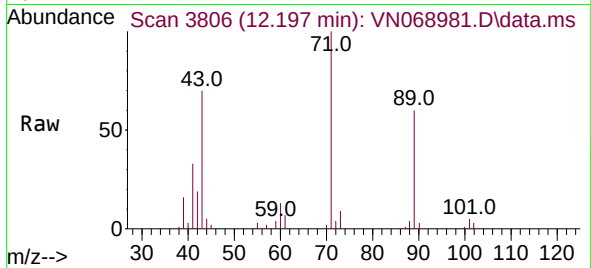




#74
N-amy1 acetate
Concen: 3.227 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

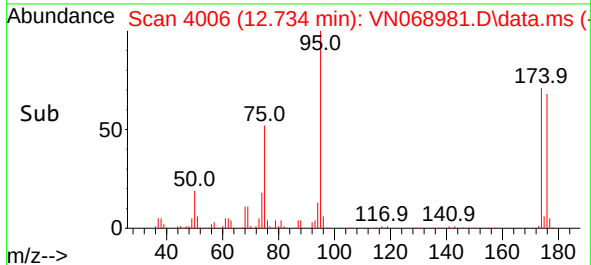
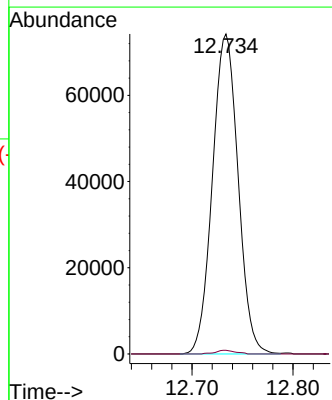
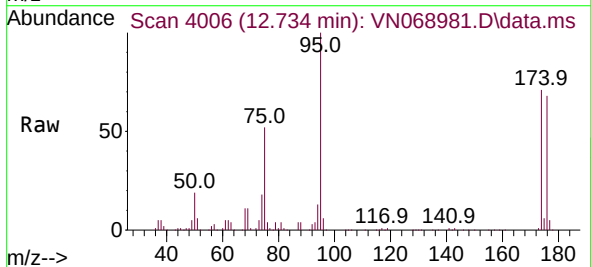
Instrument :
MSVOA_N
ClientSampled :

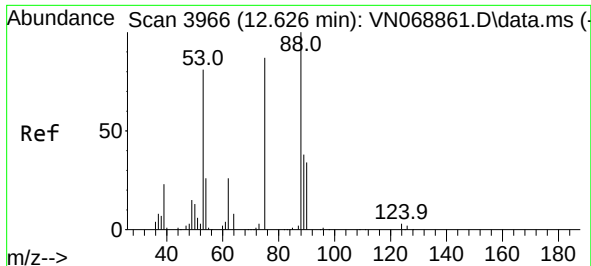
Tgt Ion:	43	Resp:	20888
Ion Ratio	Lower	Upper	
43	100		
70	1.4	32.2	48.2#
55	4.2	18.0	27.0#
61	9.9	19.0	28.4#



#76
1,2,3-Trichloropropane
Concen: 29.941 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

Tgt Ion:	75	Resp:	130783
Ion Ratio	Lower	Upper	
75	100		
77	0.9	96.2	288.4#

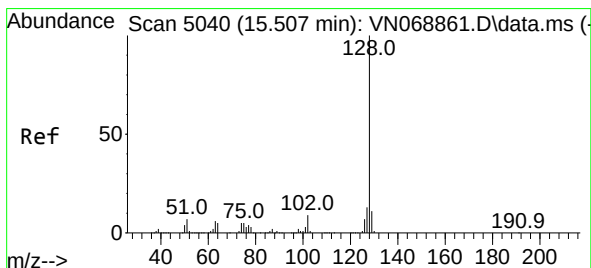
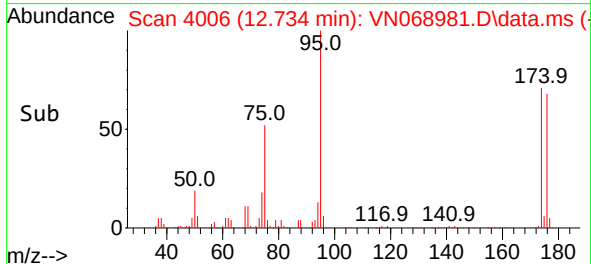
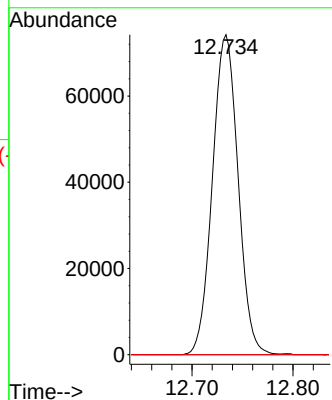
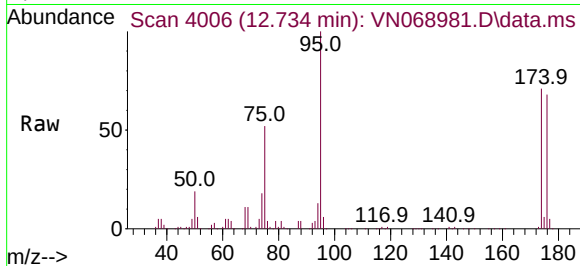




#81
trans-1,4-Dichloro-2-butene
Concen: 71.631 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 130783
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.840 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.006 min
Lab File: VN068981.D
Acq: 18 Oct 2021 15:59

Tgt Ion:128 Resp: 296
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

