

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102821\
 Data File : VN069280.D
 Acq On : 29 Oct 2021 5:10
 Operator : JC/MD
 Sample : PB140292ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 29 07:57:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 28 16:09:15 2021
 Response via : Initial Calibration

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

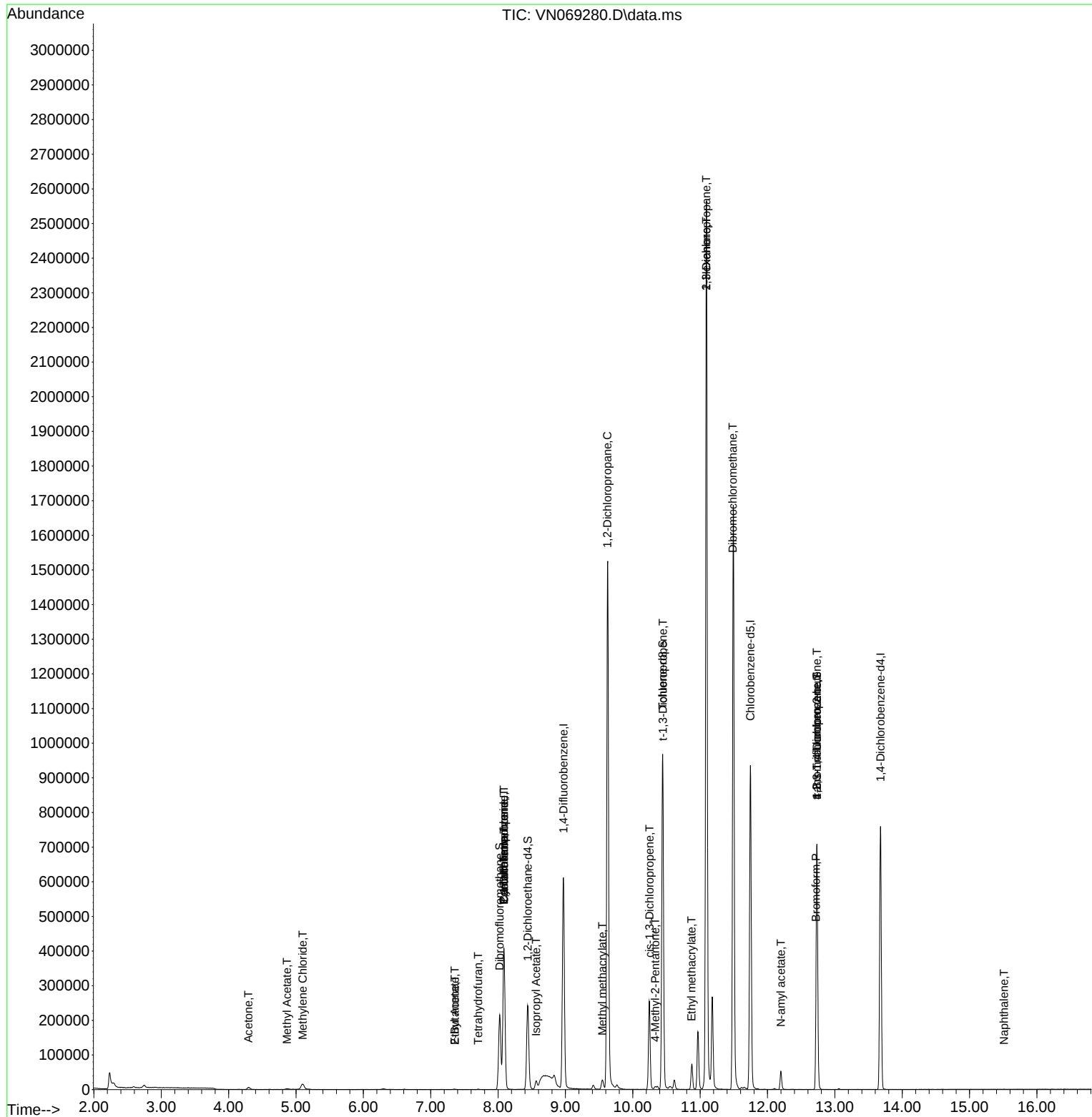
Internal Standards						
1) Pentafluorobenzene	8.088	168	302918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	542221	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	550651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	206310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	205983	47.106	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.220%		
35) Dibromofluoromethane	8.024	113	155532	46.015	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.040%		
50) Toluene-d8	10.443	98	684618	50.659	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.320%		
62) 4-Bromofluorobenzene	12.734	95	249198	48.865	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.740%		
Target Compounds					Qvalue	
3) Chloromethane	2.306	50	1047	Below Cal	#	42
16) Acetone	4.293	43	12624	6.776	ug/l	100
18) Methyl Acetate	4.867	43	5118	0.808	ug/l #	66
20) Methylene Chloride	5.098	84	12590	3.523	ug/l	92
25) 2-Butanone	7.356	43	2618	2.545	ug/l	99
29) Tetrahydrofuran	7.705	42	886	3.414	ug/l #	57
31) Cyclohexane	8.086	56	7345	1.255	ug/l #	9
36) 1,1-Dichloropropene	8.086	75	25490	5.453	ug/l #	43
37) Ethyl Acetate	7.356	43	2618	0.491	ug/l #	68
38) Carbon Tetrachloride	8.086	117	32057	6.917	ug/l #	15
43) Isopropyl Acetate	8.566	43	29172	3.570	ug/l #	92
45) 1,2-Dichloropropane	9.622	63	1747	0.488	ug/l #	43
48) Methyl methacrylate	9.547	41	7133	1.774	ug/l #	13
51) 4-Methyl-2-Pentanone	10.333	43	5619	7.308	ug/l	96
53) t-1,3-Dichloropropene	10.449	75	79	1.951	ug/l #	45
54) cis-1,3-Dichloropropene	10.247	75	47266	8.672	ug/l #	63
56) Ethyl methacrylate	10.872	69	151	1.705	ug/l #	1
57) 1,3-Dichloropropane	11.092	76	27674	4.484	ug/l #	42
59) 2-Hexanone	11.092	43	388666	89.367	ug/l #	51
60) Dibromochloromethane	11.486	129	64	1.990	ug/l #	10
71) Bromoform	12.720	173	224	2.935	ug/l #	29
74) N-amyl acetate	12.197	43	16903	2.474	ug/l #	53
76) 1,2,3-Trichloropropane	12.734	75	134106	24.715	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	134106	70.836	ug/l #	12
95) Naphthalene	15.512	128	519	3.355	ug/l #	69

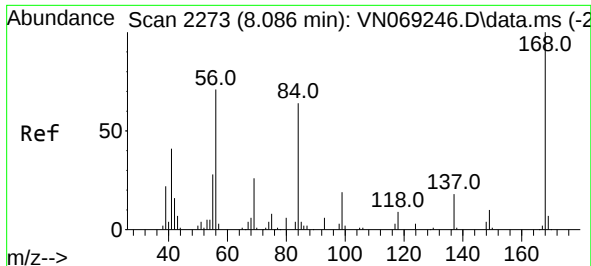
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

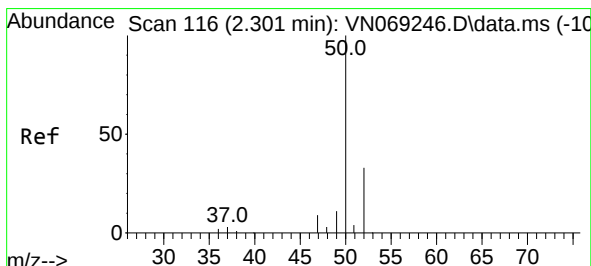
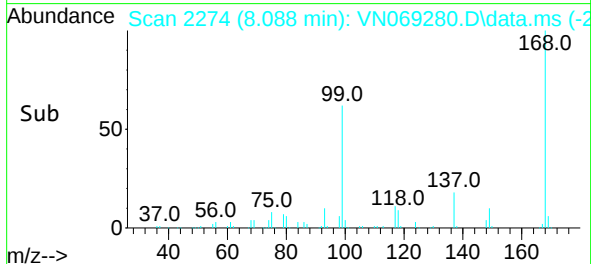
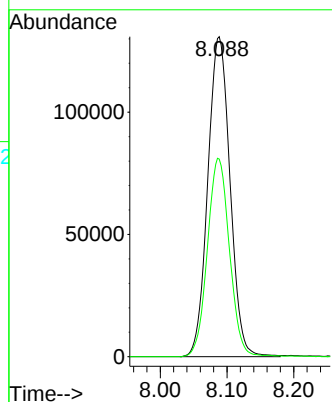
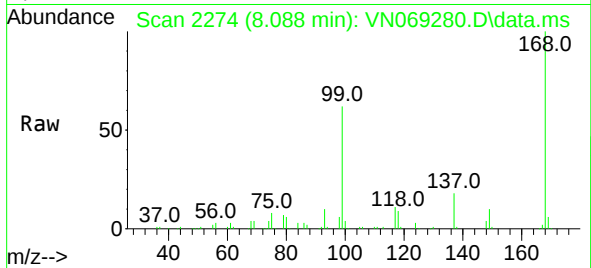




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

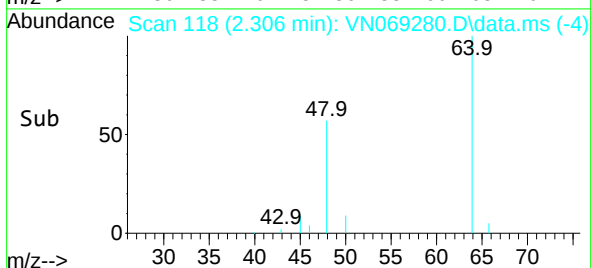
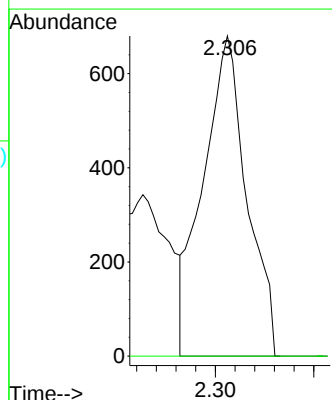
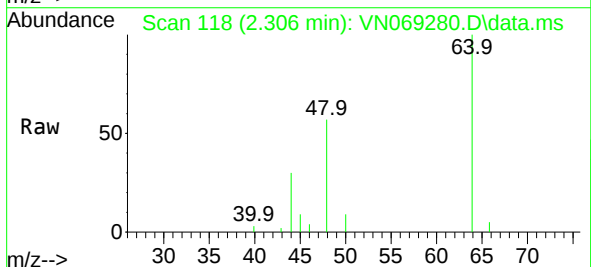
Instrument :
MSVOA_D
ClientSampled :

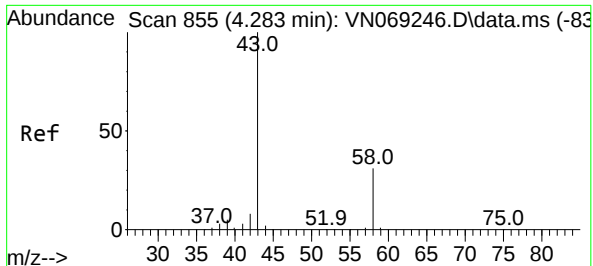
Tgt Ion:168 Resp: 302918
Ion Ratio Lower Upper
168 100
99 61.8 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

Tgt Ion: 50 Resp: 1047
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

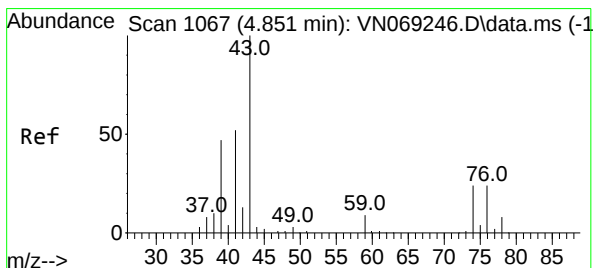
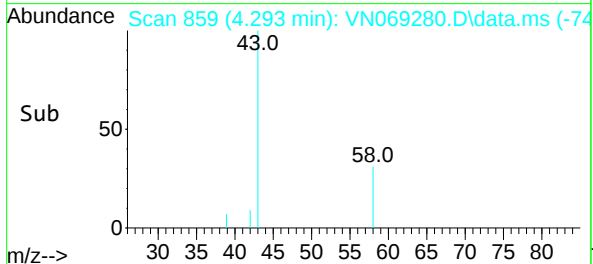
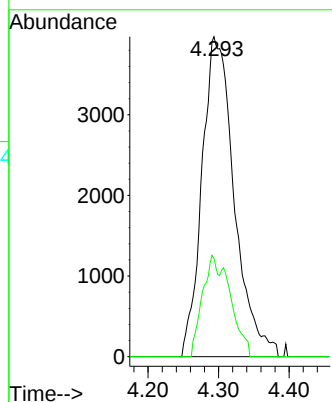
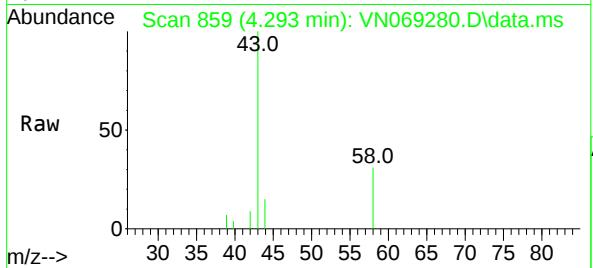




#16
Acetone
Concen: 6.776 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.010 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

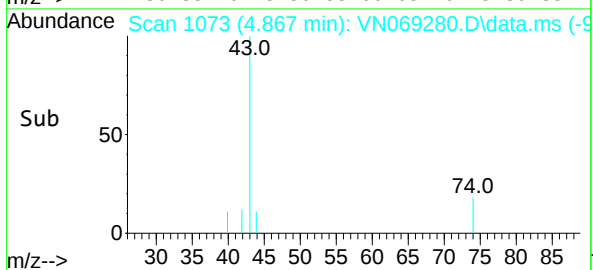
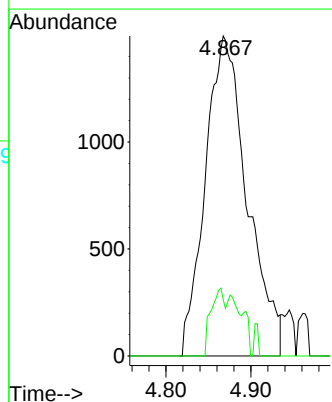
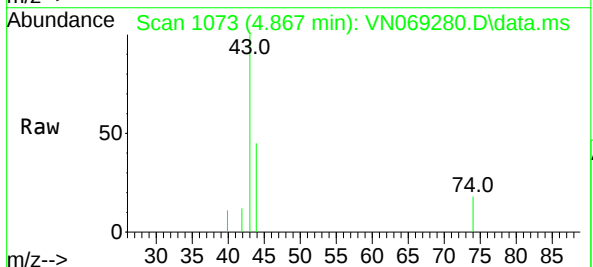
Instrument :
MSVOA_D
ClientSampled :

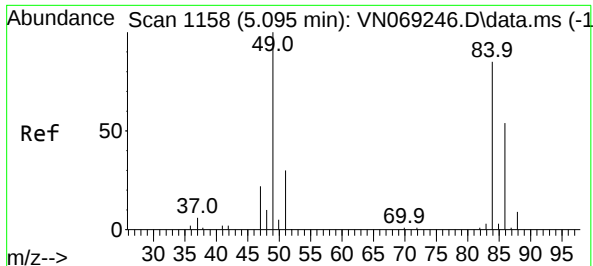
Tgt Ion: 43 Resp: 12624
Ion Ratio Lower Upper
43 100
58 30.7 24.5 36.7



#18
Methyl Acetate
Concen: 0.808 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.016 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

Tgt Ion: 43 Resp: 5118
Ion Ratio Lower Upper
43 100
74 7.0 18.9 28.3#

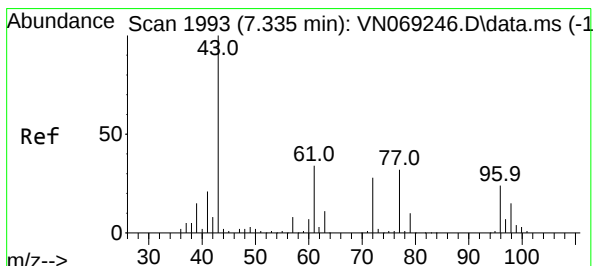
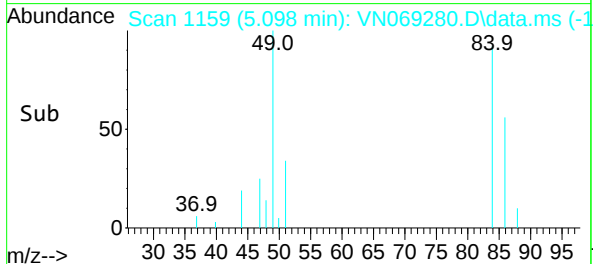
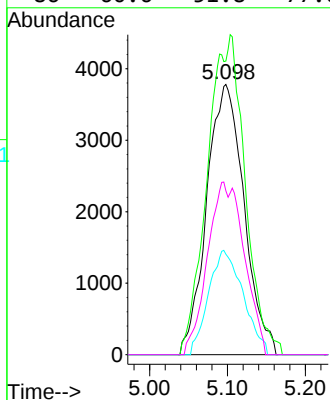
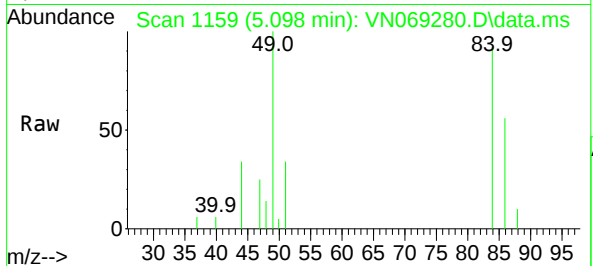




#20
Methylene Chloride
Concen: 3.523 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.003 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

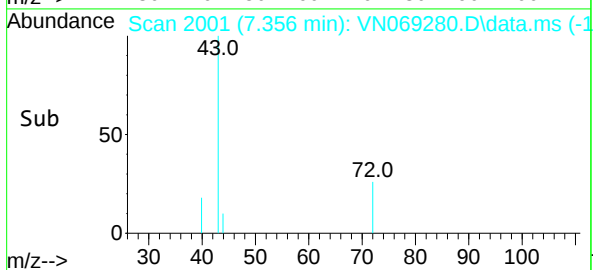
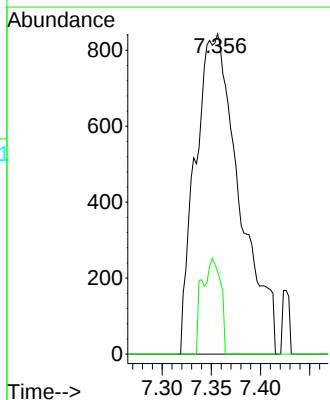
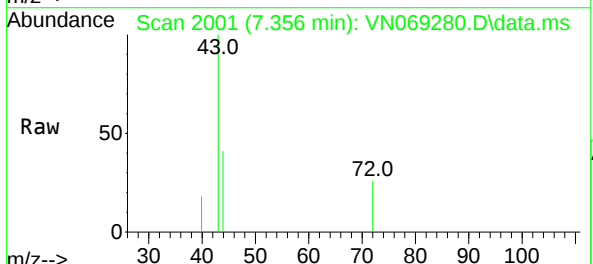
Instrument :
MSVOA_D
ClientSampleId :

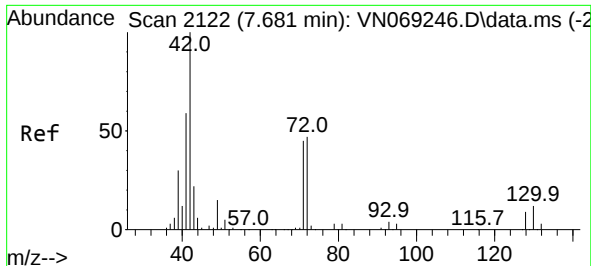
Tgt Ion:	84	Resp:	12590
Ion	Ratio	Lower	Upper
84	100		
49	108.6	97.6	146.4
51	37.2	30.3	45.5
86	60.6	51.8	77.6



#25
2-Butanone
Concen: 2.545 ug/l
RT: 7.356 min Scan# 2001
Delta R.T. 0.021 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

Tgt Ion:	43	Resp:	2618
Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.2	31.8





#29

Tetrahydrofuran

Concen: 3.414 ug/l

RT: 7.705 min Scan# 2131

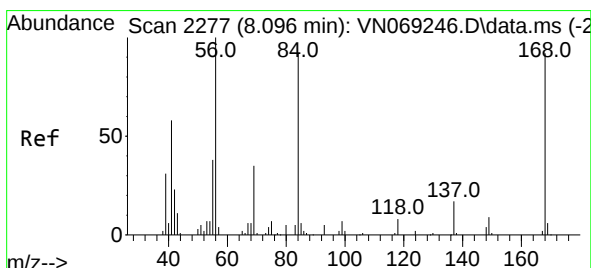
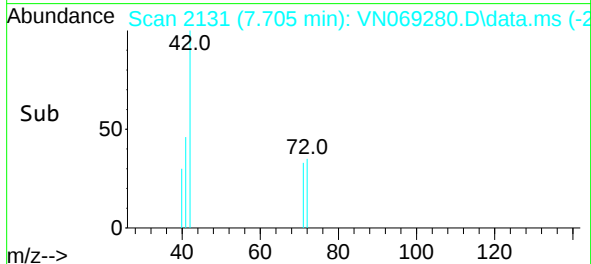
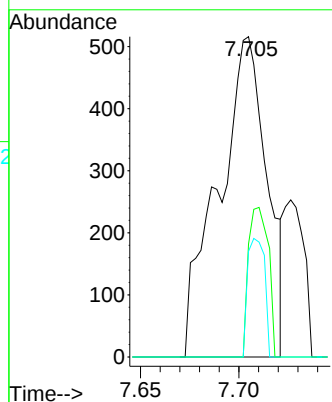
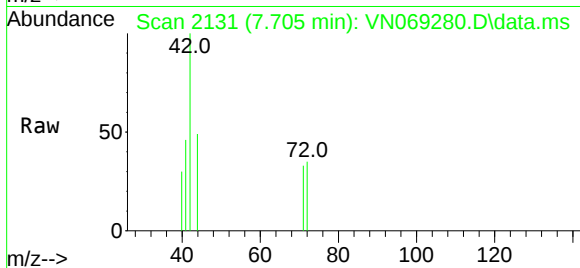
Delta R.T. 0.024 min

Lab File: VN069280.D

Acq: 29 Oct 2021 5:10

Tgt Ion: 42	Resp: 886
Ion Ratio	Lower Upper
42	100
72	19.0 35.4 53.2#
71	12.9 33.8 50.6#

Instrument :
MSVOA_D
ClientSampled :



#31

Cyclohexane

Concen: 1.255 ug/l

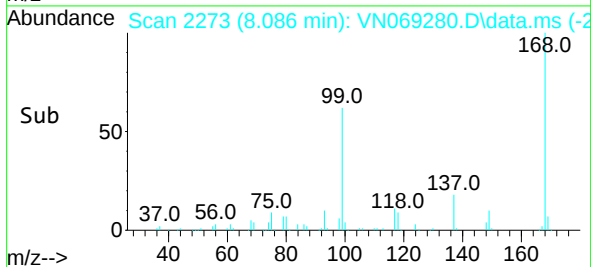
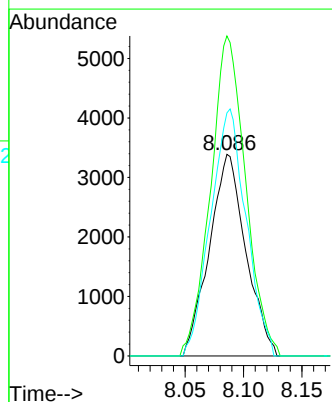
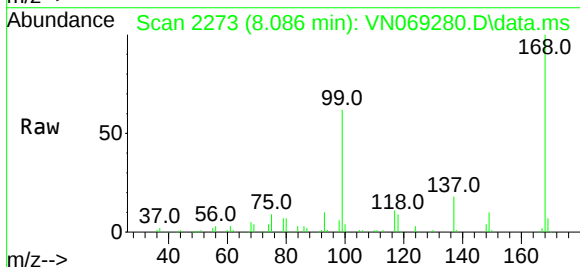
RT: 8.086 min Scan# 2273

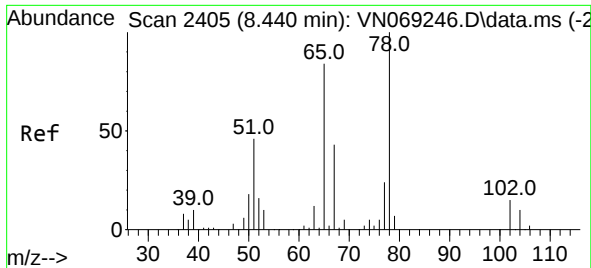
Delta R.T. -0.010 min

Lab File: VN069280.D

Acq: 29 Oct 2021 5:10

Tgt Ion: 56	Resp: 7345
Ion Ratio	Lower Upper
56	100
69	158.7 26.9 40.3#
84	120.5 67.6 101.4#

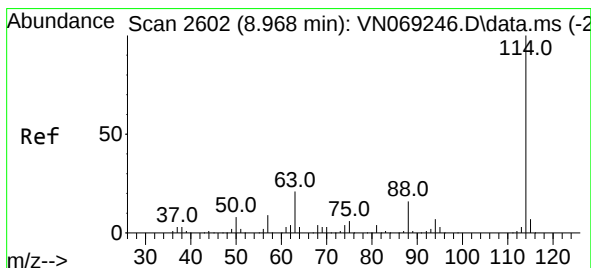
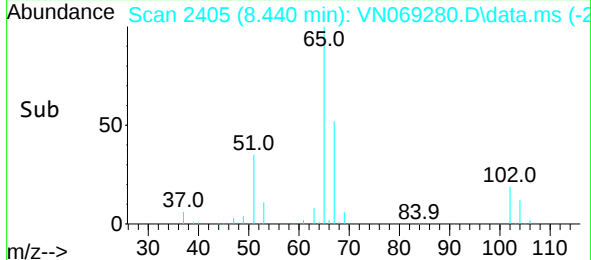
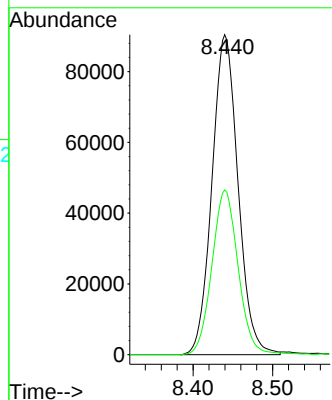
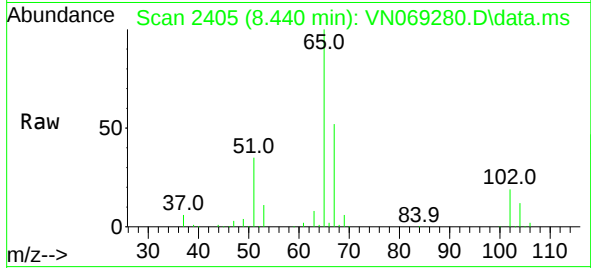




#33
1,2-Dichloroethane-d4
Concen: 47.106 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

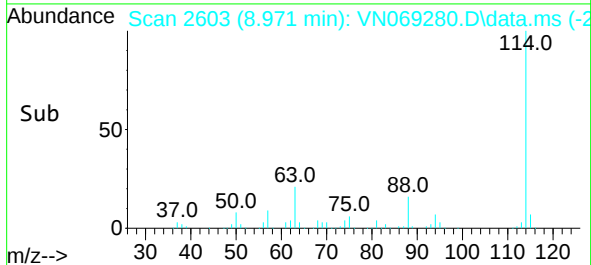
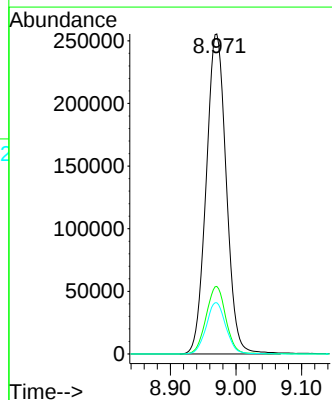
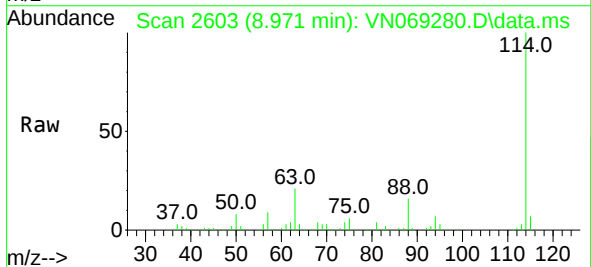
Instrument :
MSVOA_D
ClientSampled :

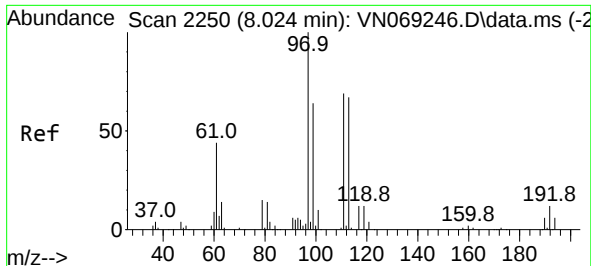
Tgt Ion: 65 Resp: 205983
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

Tgt Ion: 114 Resp: 542221
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.6
88 16.0 0.0 32.0

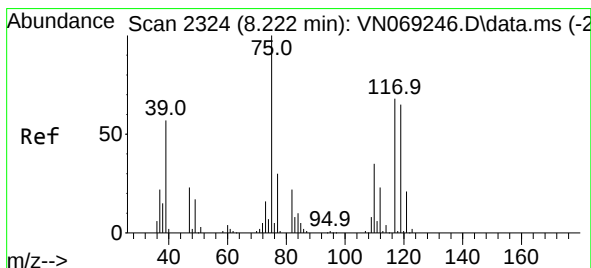
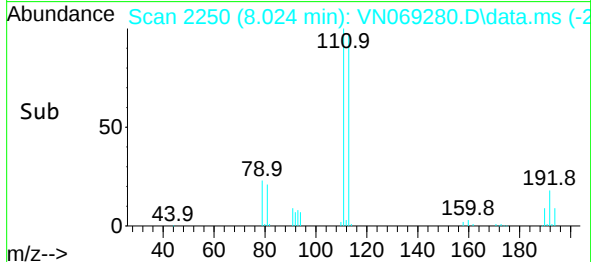
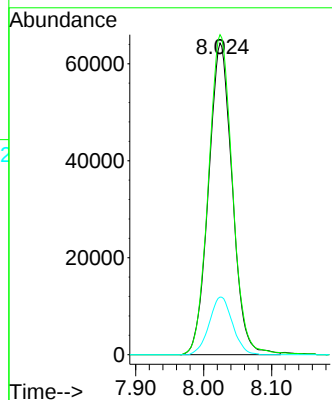
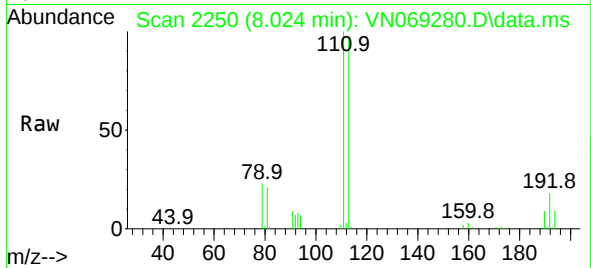




#35
Dibromofluoromethane
Concen: 46.015 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

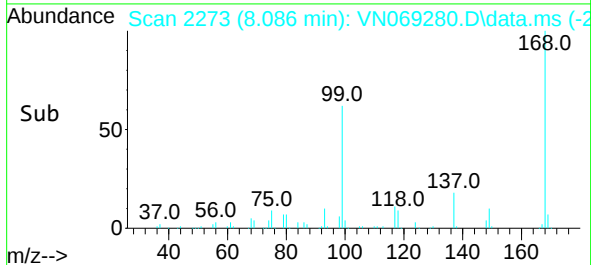
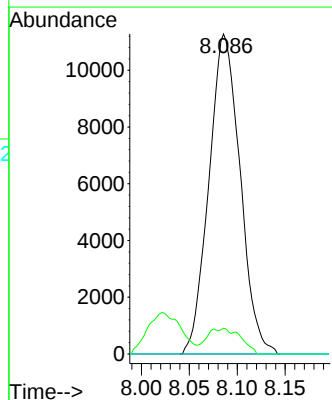
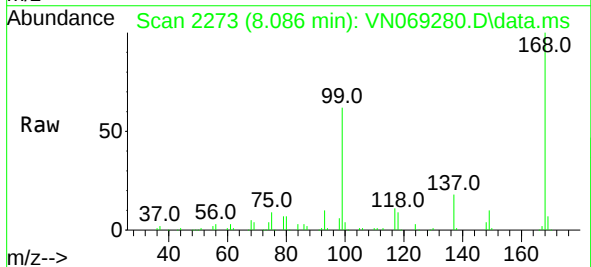
Instrument :
MSVOA_D
ClientSampled :

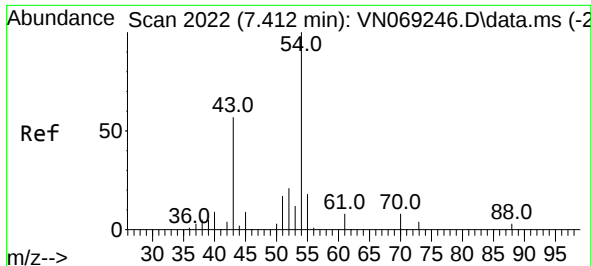
Tgt Ion:113 Resp: 155532
Ion Ratio Lower Upper
113 100
111 103.9 83.2 124.8
192 18.2 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.453 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

Tgt Ion: 75 Resp: 25490
Ion Ratio Lower Upper
75 100
110 1.8 17.9 53.8#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.491 ug/l

RT: 7.356 min Scan# 2001

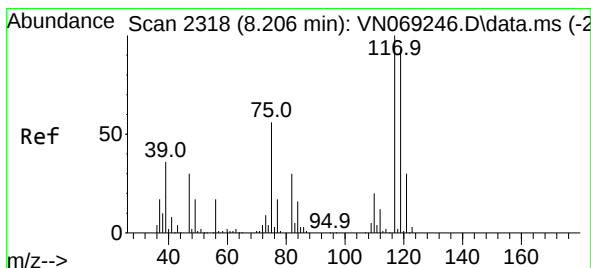
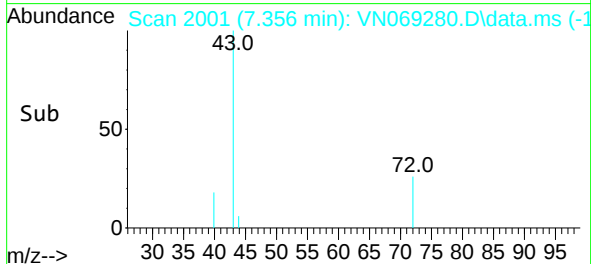
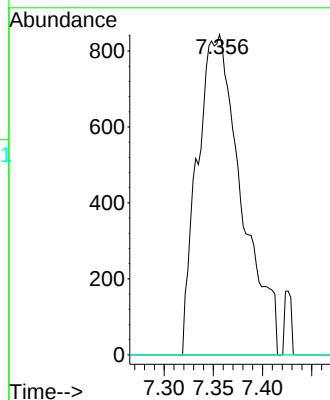
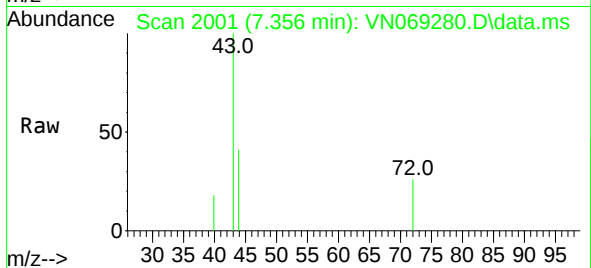
Delta R.T. -0.056 min

Lab File: VN069280.D

Acq: 29 Oct 2021 5:10

Tgt Ion:	43	Resp:	2618
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	0.0	8.4	12.6#

Instrument :
MSVOA_D
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.917 ug/l

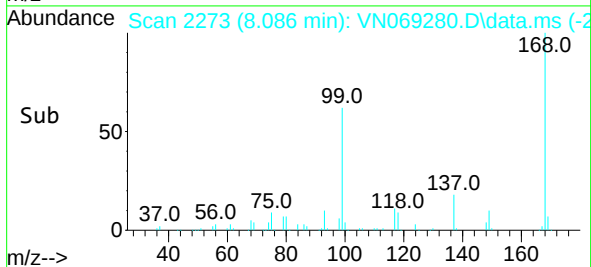
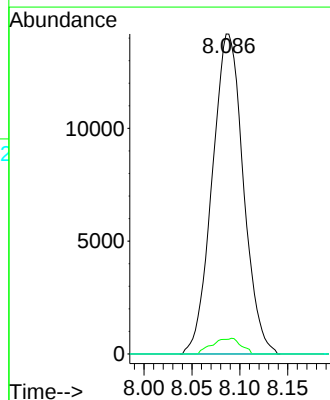
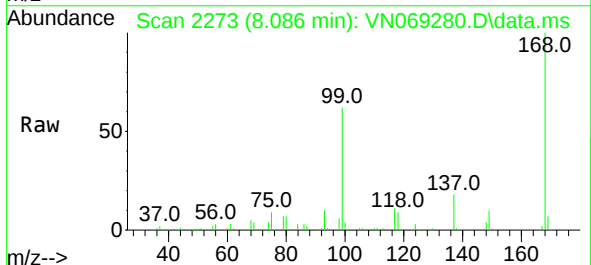
RT: 8.086 min Scan# 2273

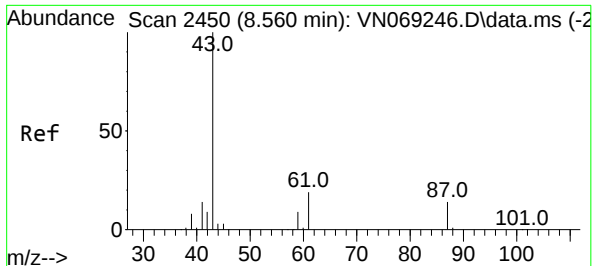
Delta R.T. -0.120 min

Lab File: VN069280.D

Acq: 29 Oct 2021 5:10

Tgt Ion:	117	Resp:	32057
Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.9	115.3#
121	0.0	24.6	37.0#

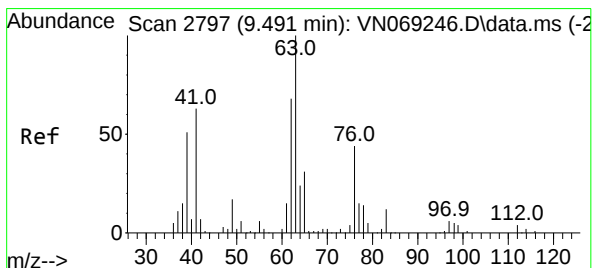
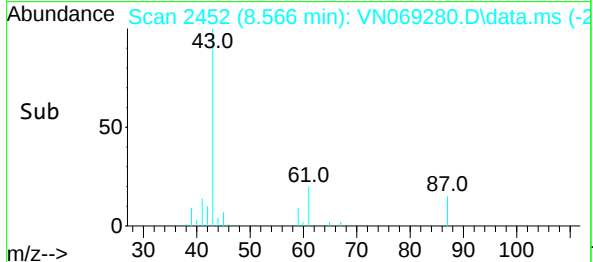
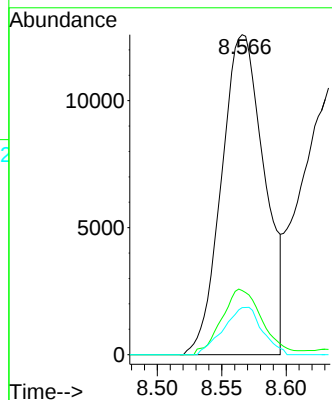
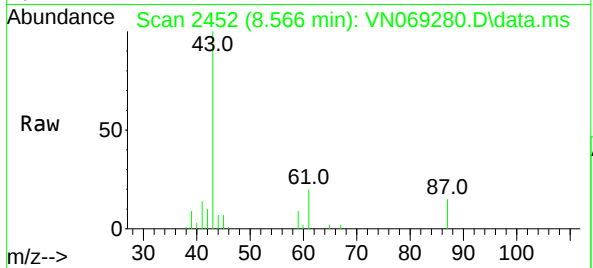




#43
Isopropyl Acetate
Concen: 3.570 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.006 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

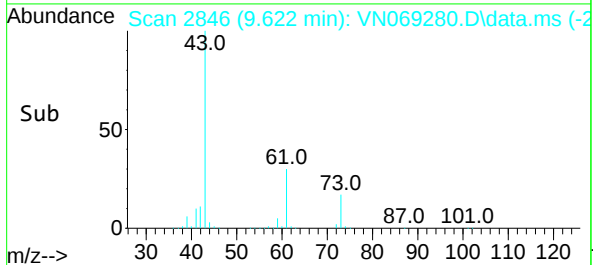
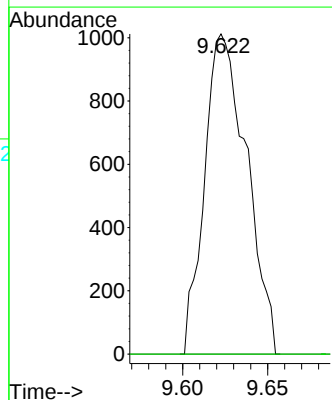
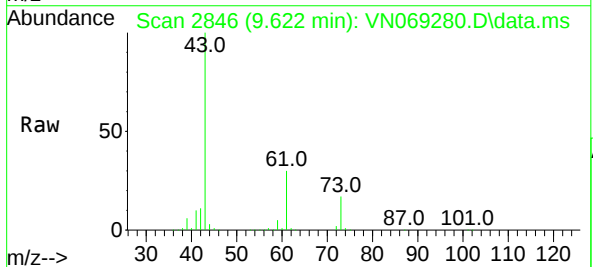
Instrument :
MSVOA_D
ClientSampleId :

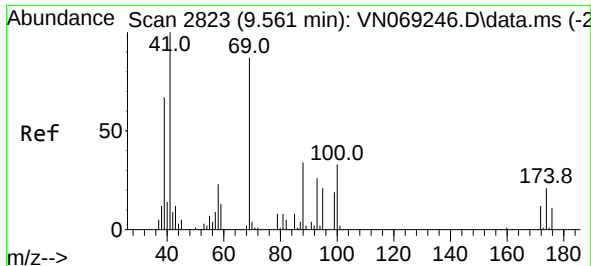
Tgt Ion: 43 Resp: 29172
Ion Ratio Lower Upper
43 100
61 19.4 20.4 30.6#
87 13.3 10.7 16.1



#45
1,2-Dichloropropane
Concen: 0.488 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.131 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

Tgt Ion: 63 Resp: 1747
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

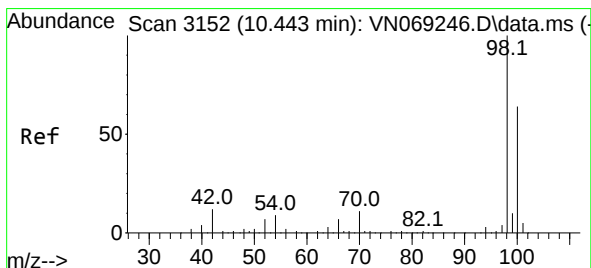
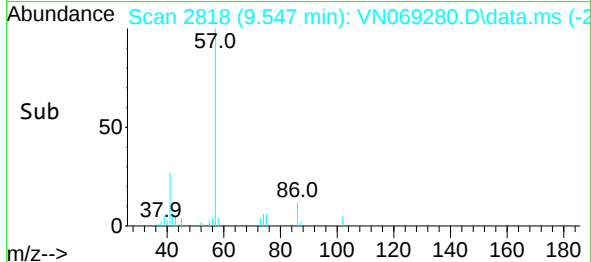
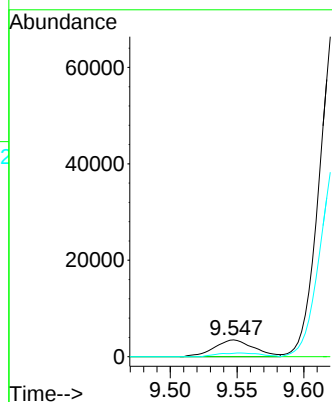
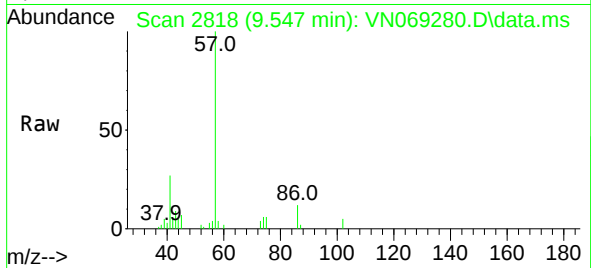




#48
Methyl methacrylate
Concen: 1.774 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

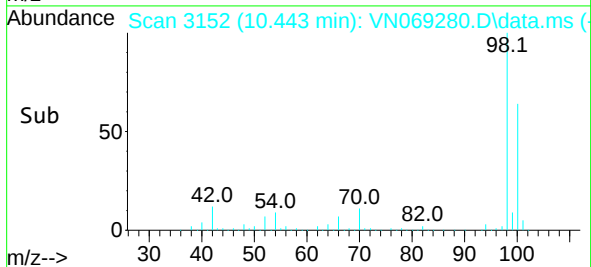
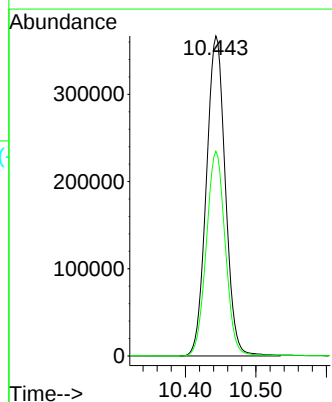
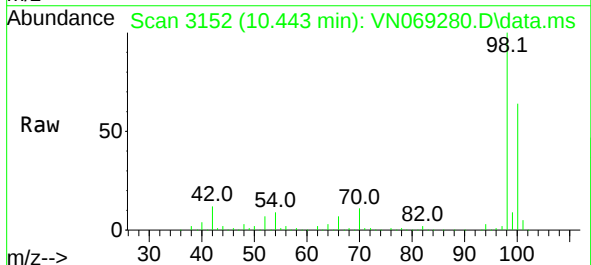
Instrument :
MSVOA_D
ClientSampled :

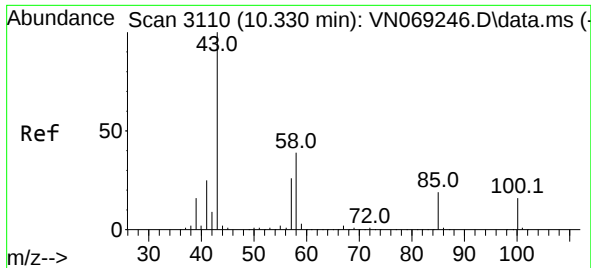
Tgt Ion: 41 Resp: 7133
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#50
Toluene-d8
Concen: 50.659 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

Tgt Ion: 98 Resp: 684618
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3

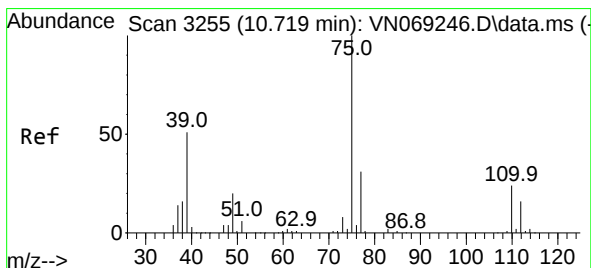
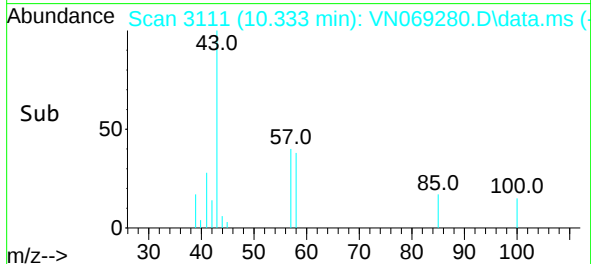
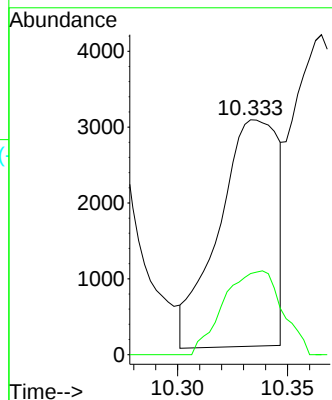
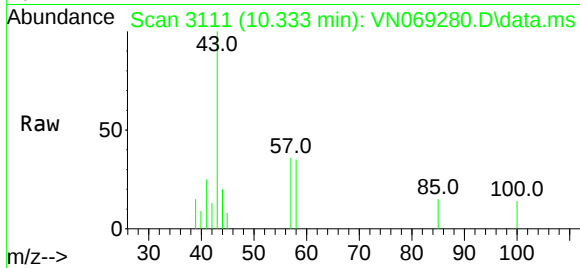




#51
4-Methyl-2-Pentanone
Concen: 7.308 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

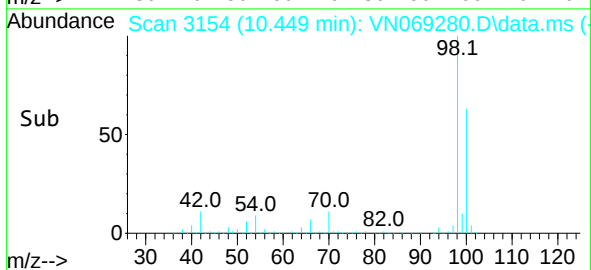
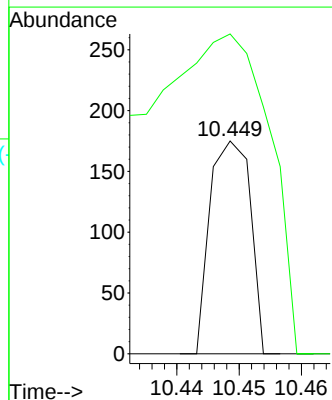
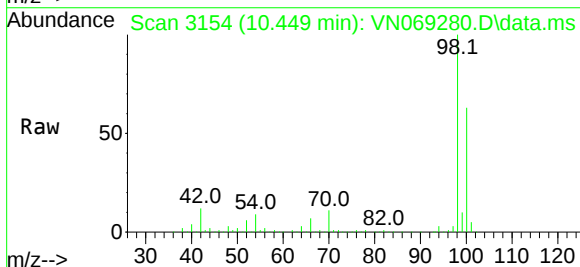
Instrument :
MSVOA_D
ClientSampled :

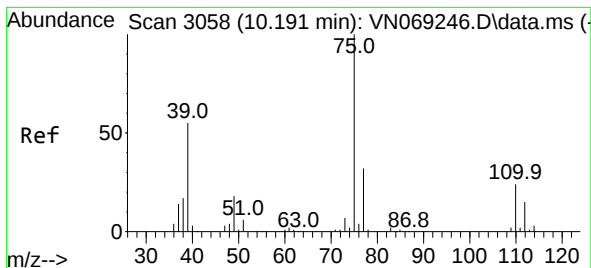
Tgt Ion: 43 Resp: 5619
Ion Ratio Lower Upper
43 100
58 36.4 31.0 46.4



#53
t-1,3-Dichloropropene
Concen: 1.951 ug/l
RT: 10.449 min Scan# 3154
Delta R.T. -0.270 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

Tgt Ion: 75 Resp: 79
Ion Ratio Lower Upper
75 100
77 62.3 25.4 38.2#

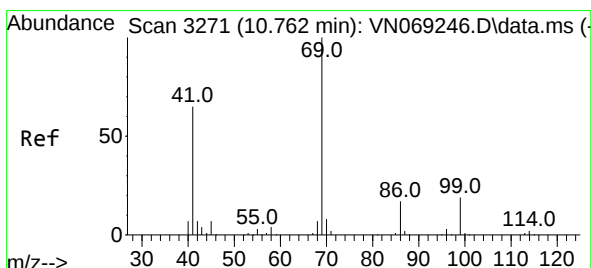
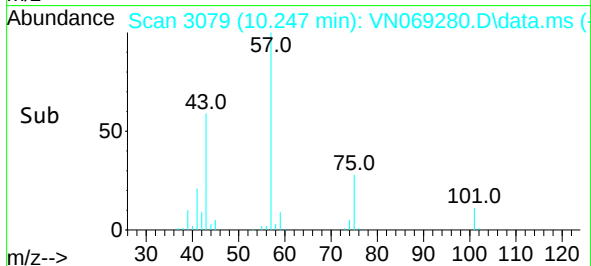
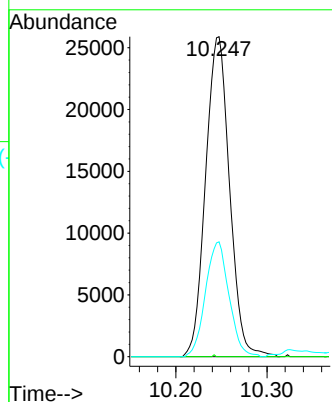
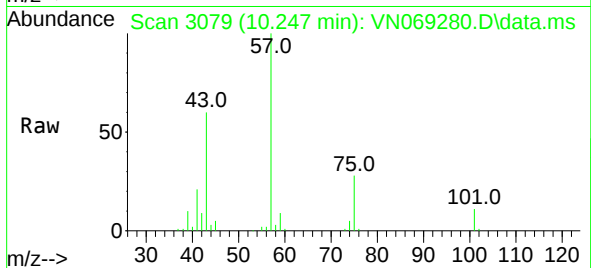




#54
 cis-1,3-Dichloropropene
 Concen: 8.672 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN069280.D
 Acq: 29 Oct 2021 5:10

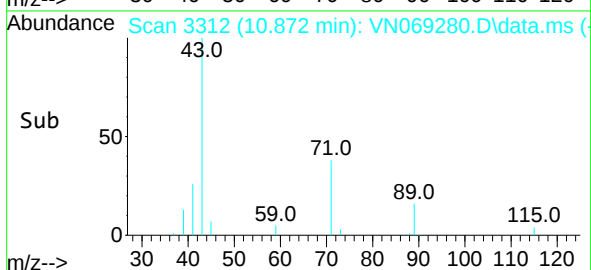
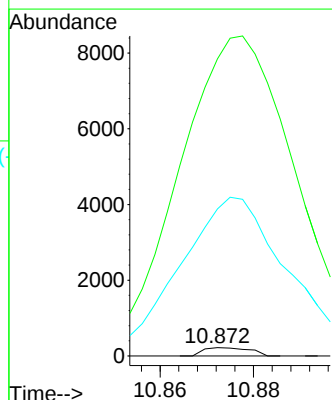
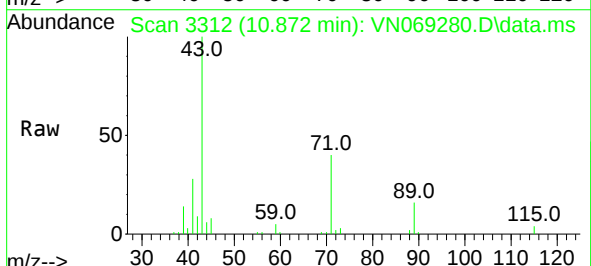
Instrument :
 MSVOA_D
 ClientSampled :

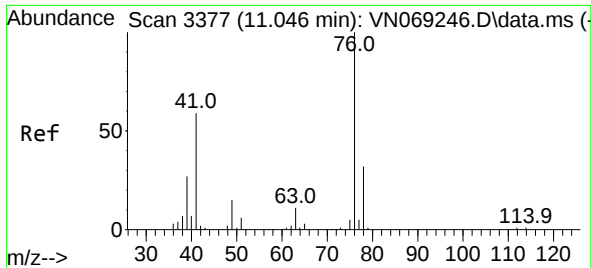
Tgt Ion: 75 Resp: 47266
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.6 38.4#
 39 35.9 42.9 64.3#



#56
 Ethyl methacrylate
 Concen: 1.705 ug/l
 RT: 10.872 min Scan# 3312
 Delta R.T. 0.110 min
 Lab File: VN069280.D
 Acq: 29 Oct 2021 5:10

Tgt Ion: 69 Resp: 151
 Ion Ratio Lower Upper
 69 100
 41 10093.4 53.3 79.9#
 39 4652.3 33.3 49.9#

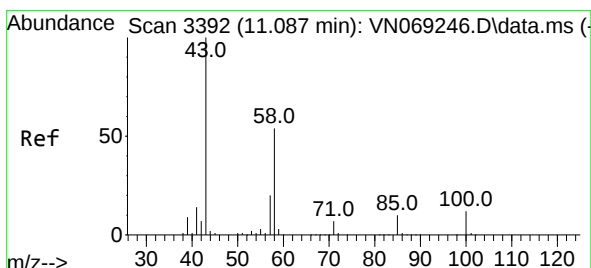
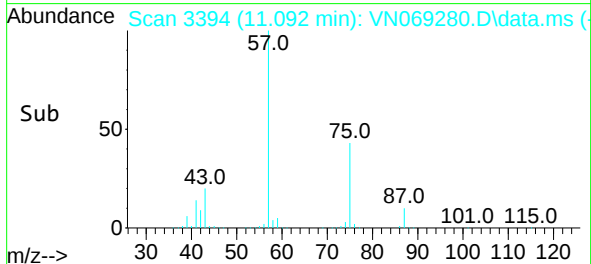
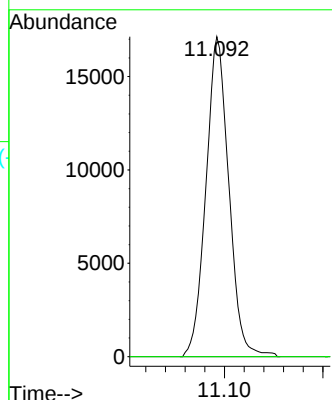
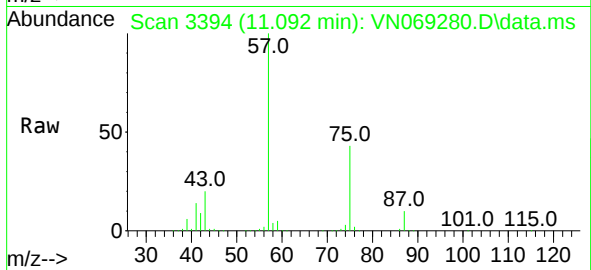




#57
1,3-Dichloropropane
Concen: 4.484 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

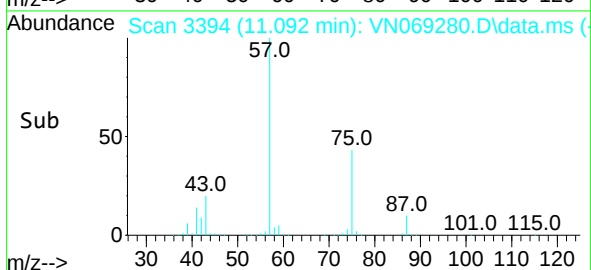
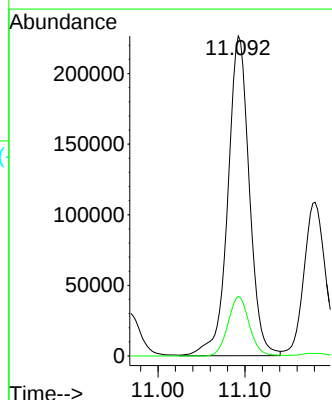
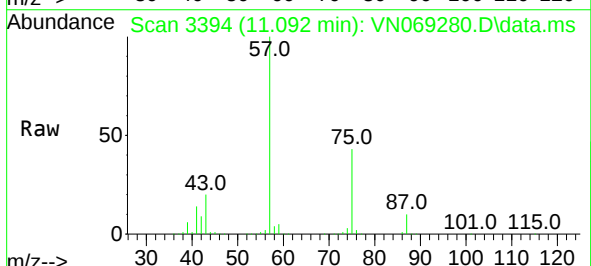
Instrument :
MSVOA_D
ClientSampleId :

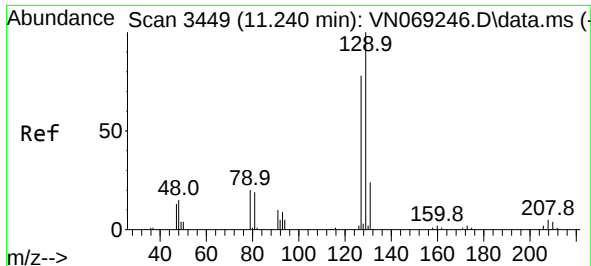
Tgt Ion: 76 Resp: 27674
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 89.367 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

Tgt Ion: 43 Resp: 388666
Ion Ratio Lower Upper
43 100
58 18.4 26.9 80.7#

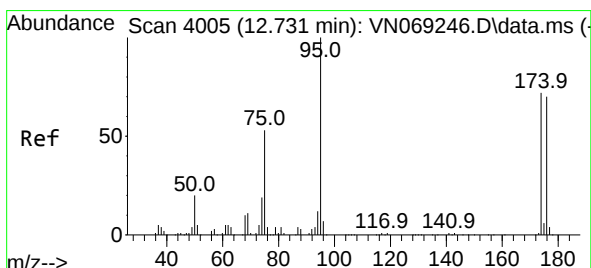
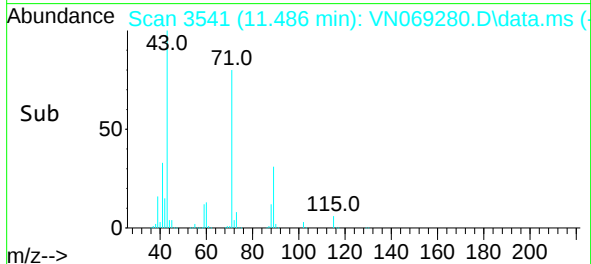
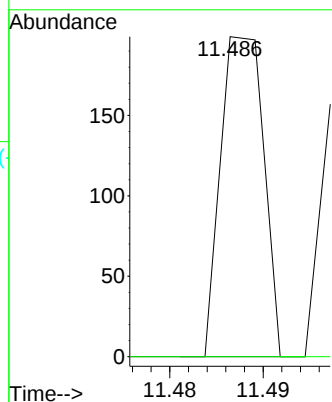
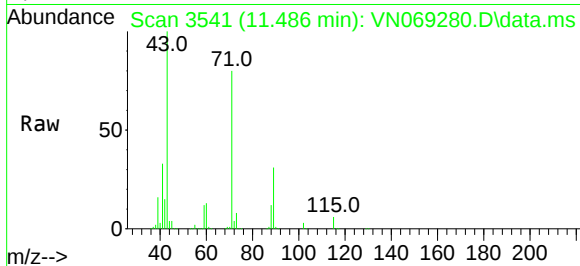




#60
Dibromochloromethane
Concen: 1.990 ug/l
RT: 11.486 min Scan# 3541
Delta R.T. 0.246 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

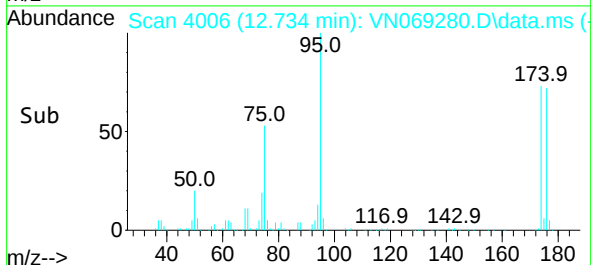
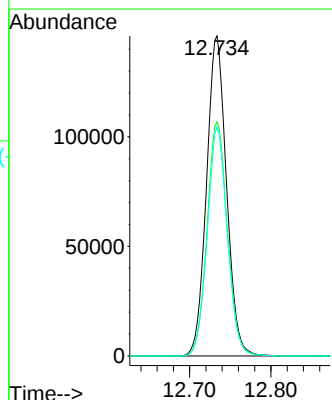
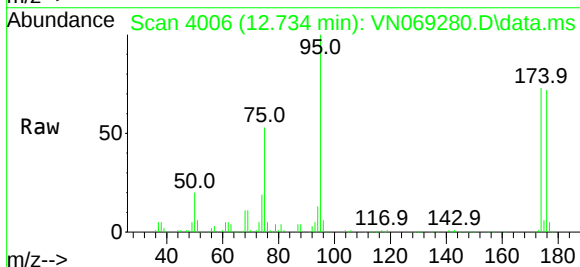
Instrument :
MSVOA_D
ClientSampleId :

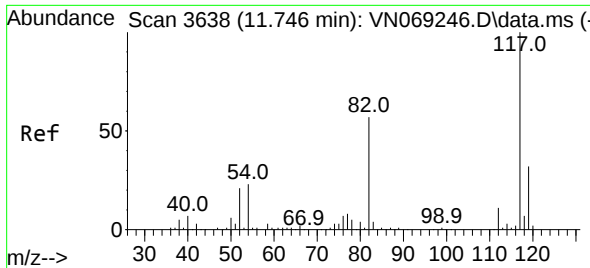
Tgt Ion:129 Resp: 64
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#



#62
4-Bromofluorobenzene
Concen: 48.865 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

Tgt Ion: 95 Resp: 249198
Ion Ratio Lower Upper
95 100
174 74.6 0.0 144.8
176 71.5 0.0 140.0

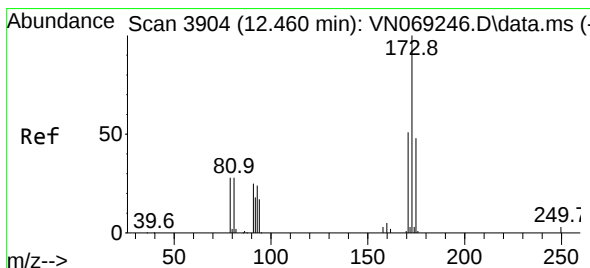
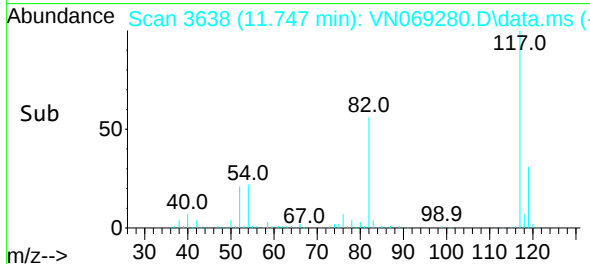
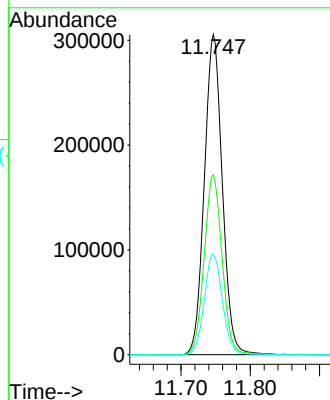
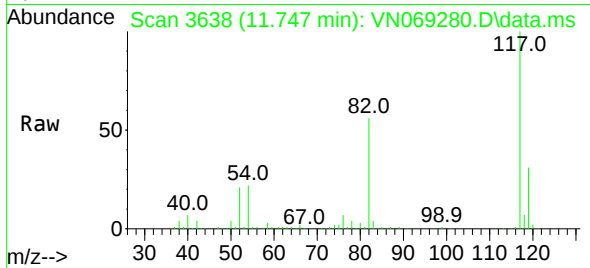




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

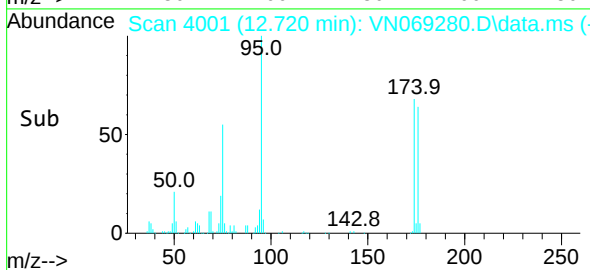
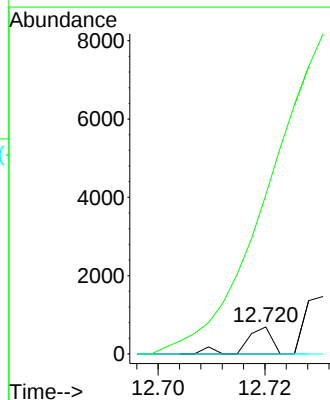
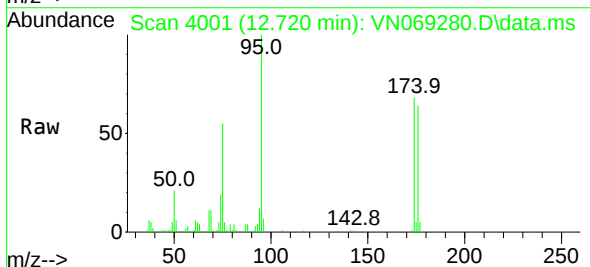
Instrument :
MSVOA_D
ClientSampleId :

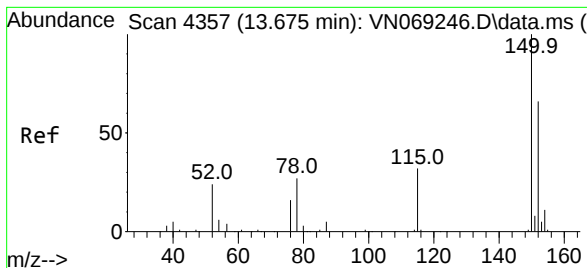
Tgt Ion:117 Resp: 550651
Ion Ratio Lower Upper
117 100
82 56.2 46.4 69.6
119 31.3 26.0 39.0



#71
Bromoform
Concen: 2.935 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

Tgt Ion:173 Resp: 224
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.5#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.678 min Scan# 4358

Delta R.T. 0.003 min

Lab File: VN069280.D

Acq: 29 Oct 2021 5:10

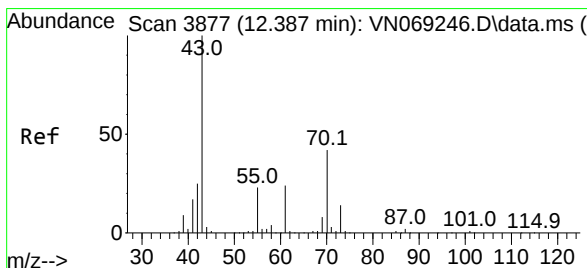
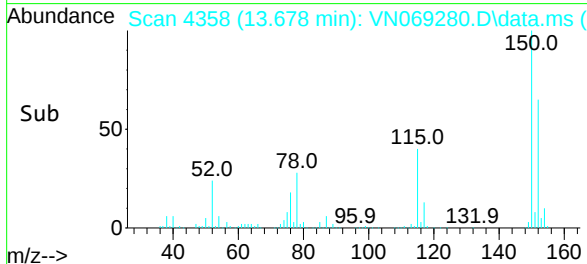
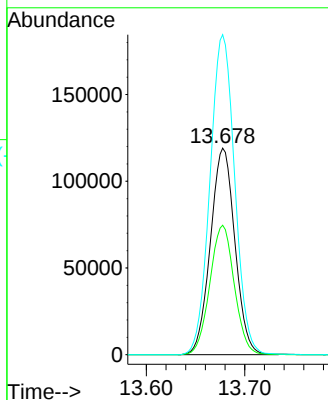
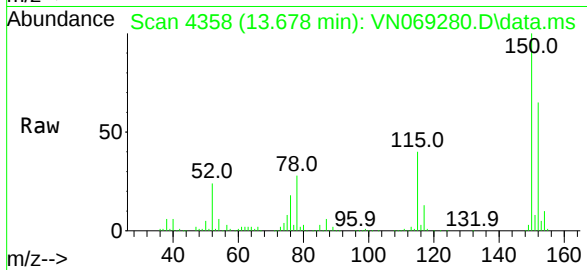
Tgt Ion:152 Resp: 206310

Ion Ratio Lower Upper

152 100

115 62.6 31.4 94.3

150 156.5 0.0 351.0



#74

N-ethyl acetate

Concen: 2.474 ug/l

RT: 12.197 min Scan# 3806

Delta R.T. -0.190 min

Lab File: VN069280.D

Acq: 29 Oct 2021 5:10

Tgt Ion: 43 Resp: 16903

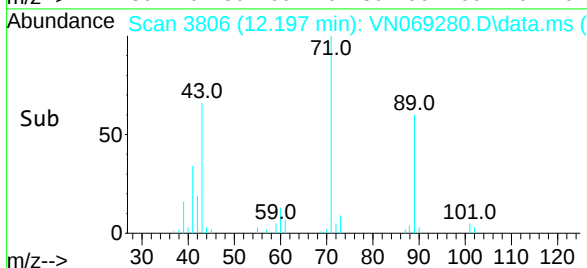
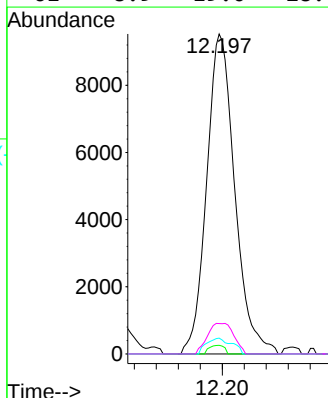
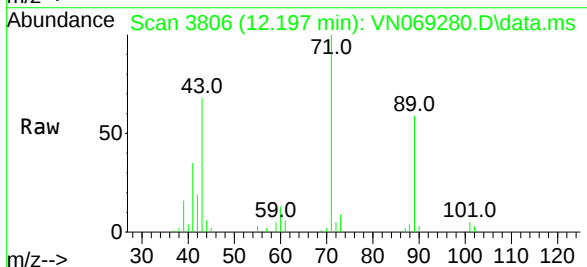
Ion Ratio Lower Upper

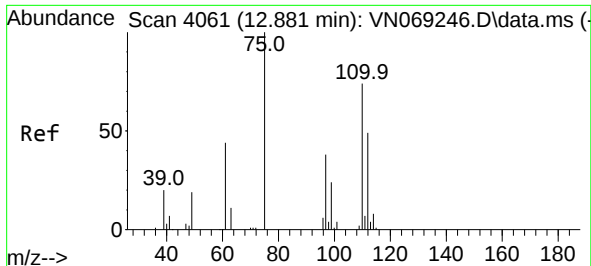
43 100

70 1.4 32.2 48.2#

55 4.4 18.0 27.0#

61 8.9 19.0 28.4#

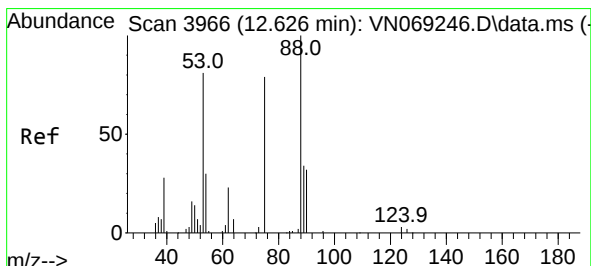
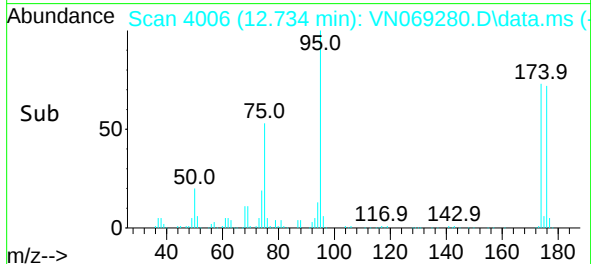
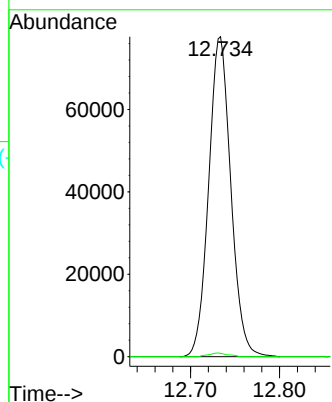
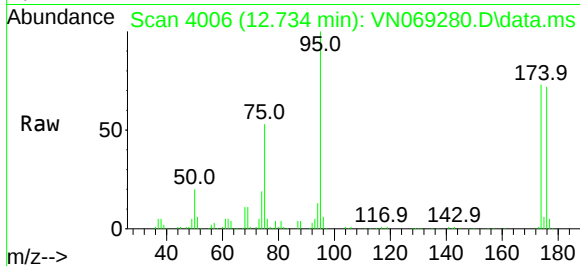




#76
1,2,3-Trichloropropane
Concen: 24.715 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

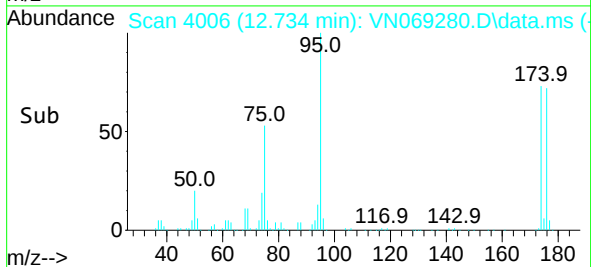
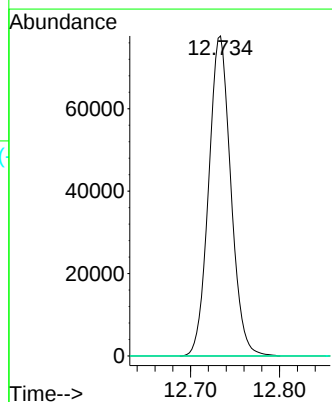
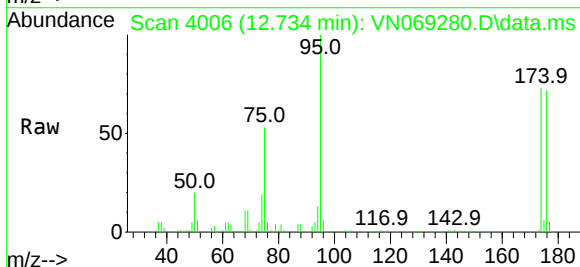
Instrument :
MSVOA_D
ClientSampled :

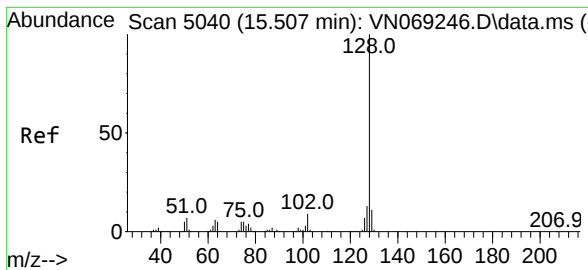
Tgt Ion: 75 Resp: 134106
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.836 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

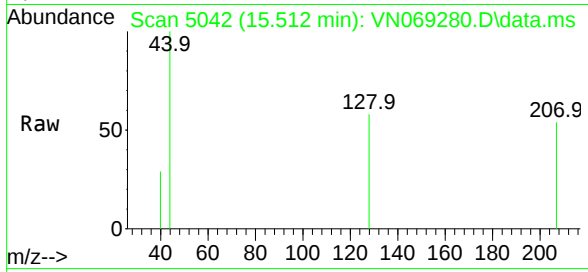
Tgt Ion: 75 Resp: 134106
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.355 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069280.D
Acq: 29 Oct 2021 5:10

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	128	Resp:	519
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.5	15.7#
129	0.0	8.9	13.3#

