

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102821\
 Data File : VN069282.D
 Acq On : 29 Oct 2021 6:01
 Operator : JC/MD
 Sample : PB140292ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 29 07:57:55 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)

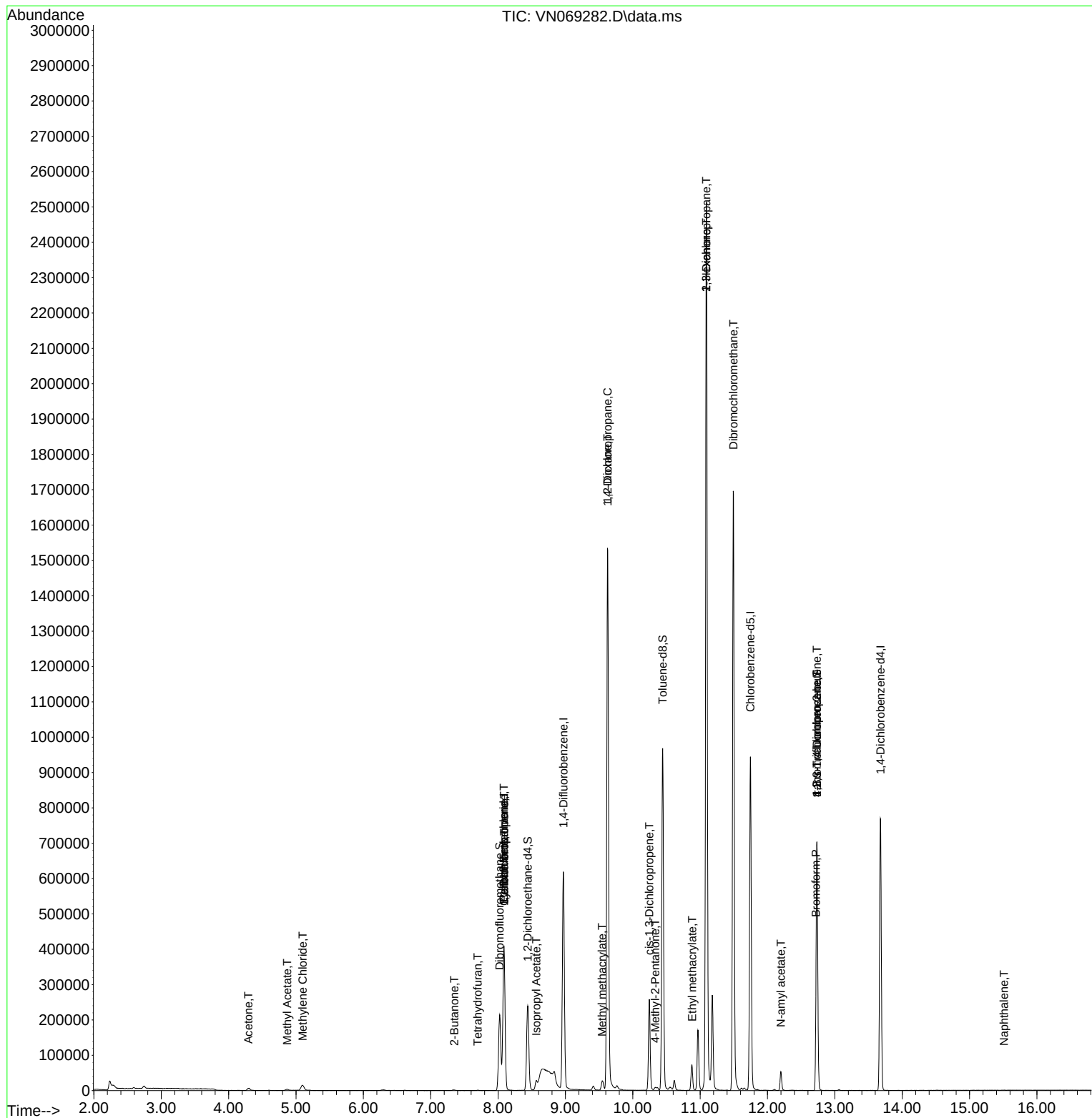
Internal Standards						
1) Pentafluorobenzene	8.088	168	303105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	547684	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	547242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	207704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	206501	47.195	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.400%		
35) Dibromofluoromethane	8.024	113	157457	46.120	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.240%		
50) Toluene-d8	10.443	98	685973	50.253	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.500%		
62) 4-Bromofluorobenzene	12.734	95	251434	48.812	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.620%		
Target Compounds						
3) Chloromethane	2.306	50	759	Below Cal	#	42
16) Acetone	4.293	43	6523	3.499	ug/l	98
18) Methyl Acetate	4.870	43	6668	1.053	ug/l #	72
20) Methylene Chloride	5.098	84	12235	3.422	ug/l	93
25) 2-Butanone	7.351	43	2838	2.621	ug/l	92
29) Tetrahydrofuran	7.697	42	455	3.182	ug/l #	67
31) Cyclohexane	8.091	56	7255	1.239	ug/l #	5
36) 1,1-Dichloropropene	8.091	75	25032	5.302	ug/l #	49
38) Carbon Tetrachloride	8.088	117	32160	6.877	ug/l #	16
43) Isopropyl Acetate	8.569	43	31650	3.801	ug/l #	89
45) 1,2-Dichloropropane	9.625	63	1900	0.525	ug/l #	43
48) Methyl methacrylate	9.545	41	7109	1.751	ug/l #	13
49) 1,4-Dioxane	9.628	88	53	35.377	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	3949	7.032	ug/l #	77
54) cis-1,3-Dichloropropene	10.245	75	47139	8.582	ug/l #	62
56) Ethyl methacrylate	10.880	69	204	1.712	ug/l #	1
57) 1,3-Dichloropropane	11.092	76	28276	4.536	ug/l #	42
59) 2-Hexanone	11.092	43	388445	88.510	ug/l #	50
60) Dibromochloromethane	11.495	129	196	2.019	ug/l #	10
71) Bromoform	12.720	173	264	2.947	ug/l #	29
74) N-amyl acetate	12.197	43	17423	2.533	ug/l #	52
76) 1,2,3-Trichloropropane	12.734	75	135275	24.763	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	135275	70.966	ug/l #	12
95) Naphthalene	15.512	128	541	3.356	ug/l #	69

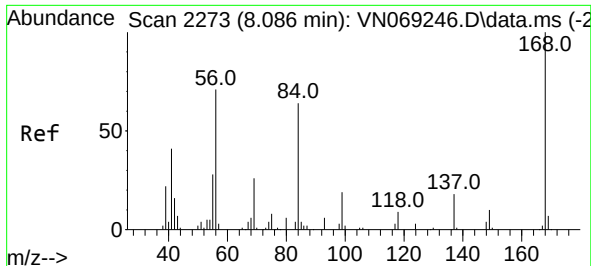
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

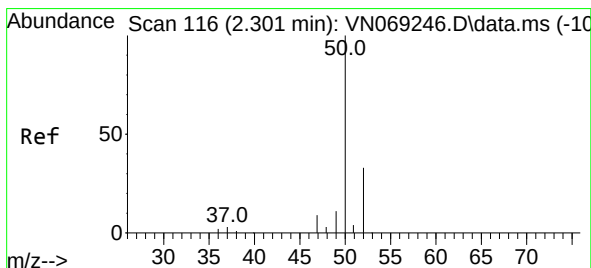
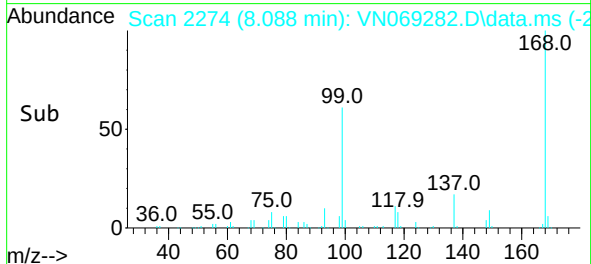
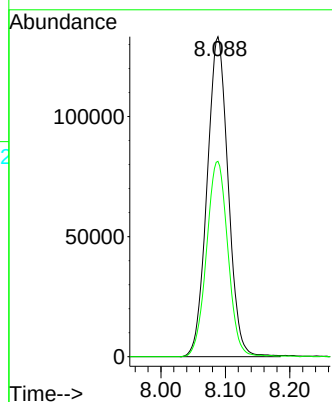
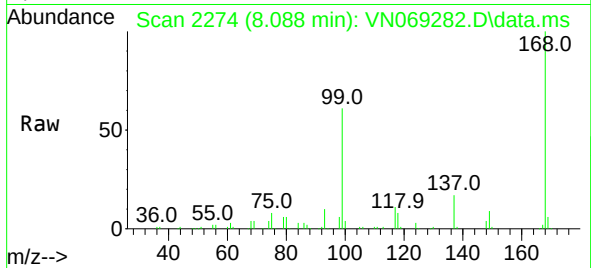




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

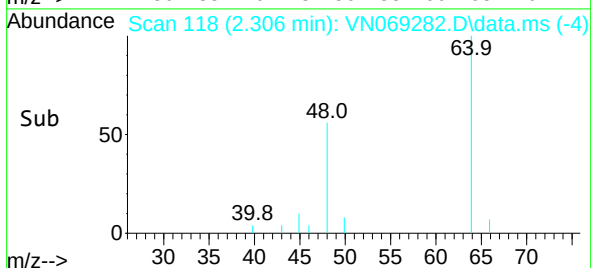
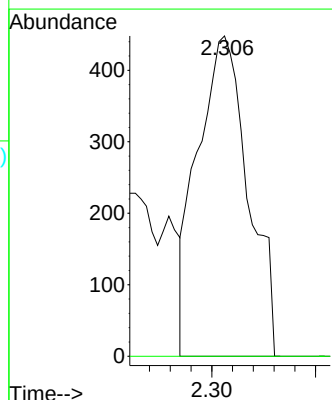
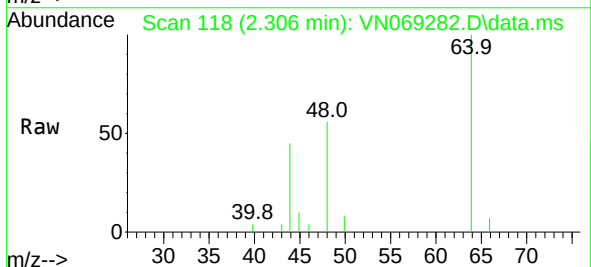
Instrument :
MSVOA_D
ClientSampled :

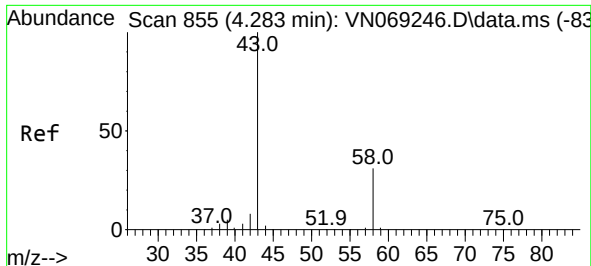
Tgt Ion:168 Resp: 303105
Ion Ratio Lower Upper
168 100
99 61.1 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

Tgt Ion: 50 Resp: 759
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

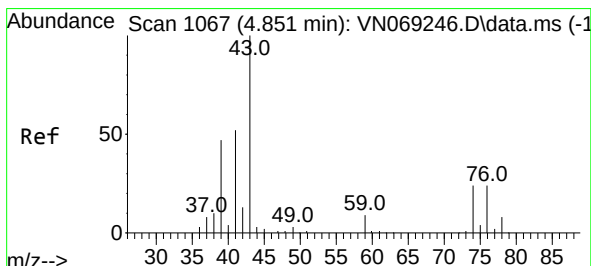
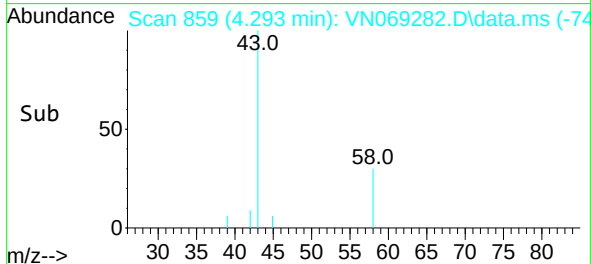
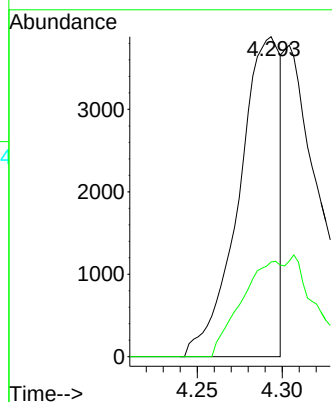
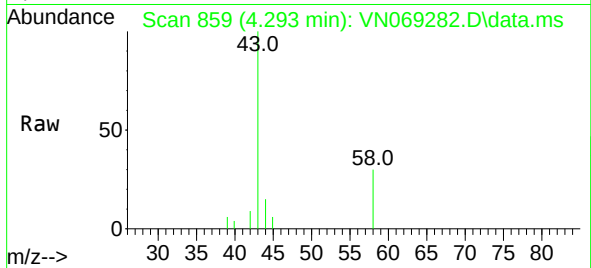




#16
Acetone
Concen: 3.499 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.010 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

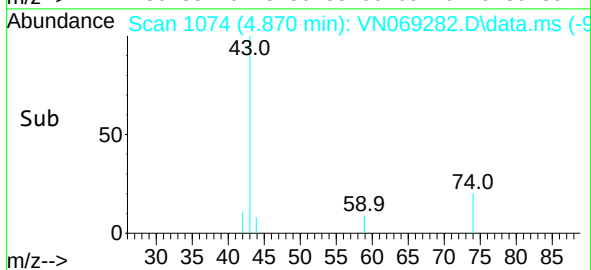
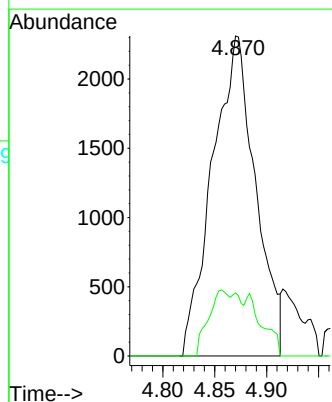
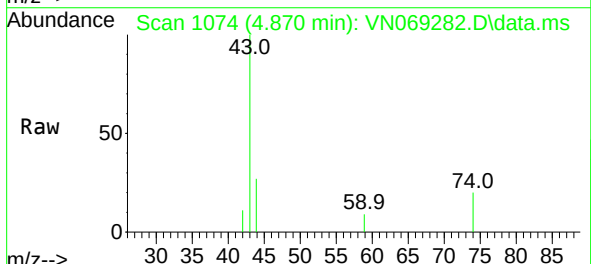
Instrument :
MSVOA_D
ClientSampled :

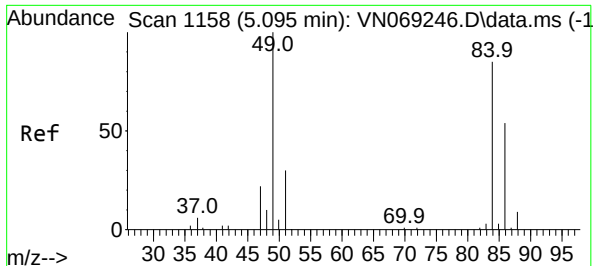
Tgt Ion: 43 Resp: 6523
Ion Ratio Lower Upper
43 100
58 29.6 24.5 36.7



#18
Methyl Acetate
Concen: 1.053 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.019 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

Tgt Ion: 43 Resp: 6668
Ion Ratio Lower Upper
43 100
74 10.1 18.9 28.3#

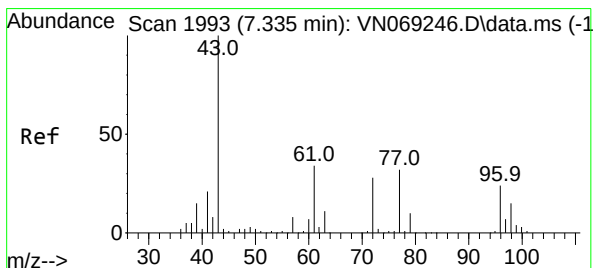
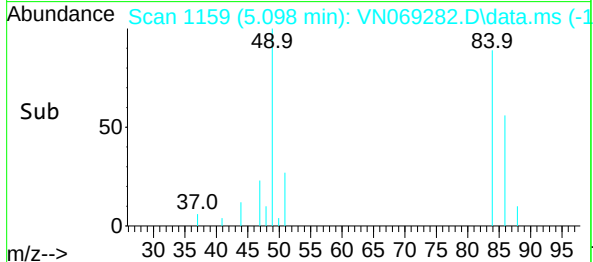
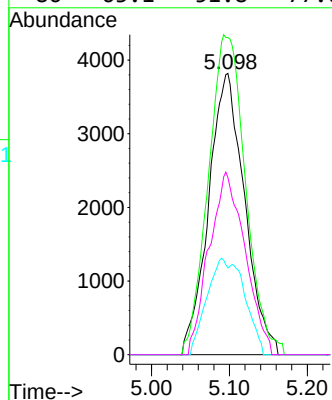
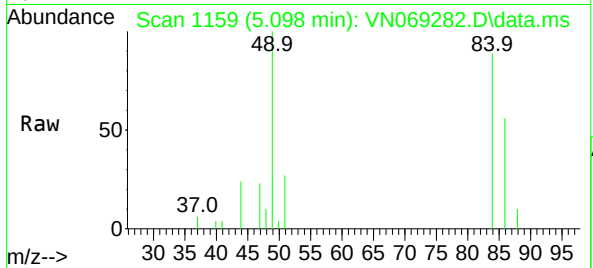




#20
Methylene Chloride
Concen: 3.422 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.003 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

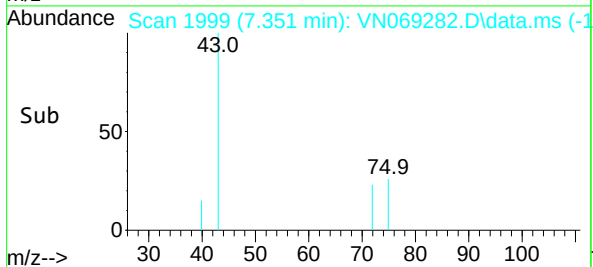
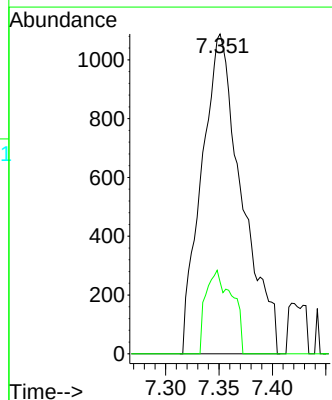
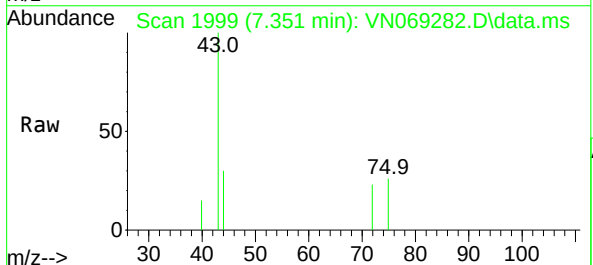
Instrument :
MSVOA_D
ClientSampleId :

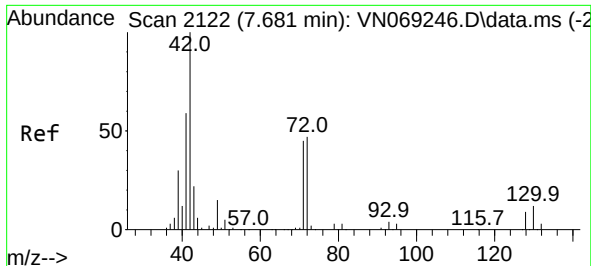
Tgt Ion:	84	Resp:	12235
Ion	Ratio	Lower	Upper
84	100		
49	112.7	97.6	146.4
51	30.8	30.3	45.5
86	63.1	51.8	77.6



#25
2-Butanone
Concen: 2.621 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.016 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

Tgt Ion:	43	Resp:	2838
Ion	Ratio	Lower	Upper
43	100		
72	22.5	21.2	31.8





#29

Tetrahydrofuran

Concen: 3.182 ug/l

RT: 7.697 min Scan# 2128

Delta R.T. 0.016 min

Lab File: VN069282.D

Acq: 29 Oct 2021 6:01

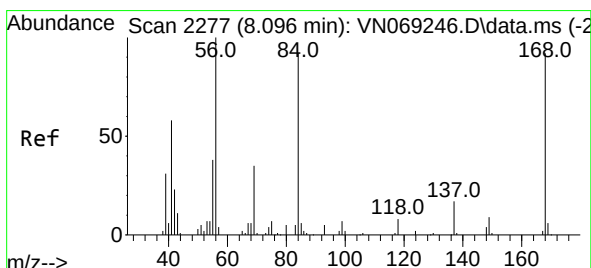
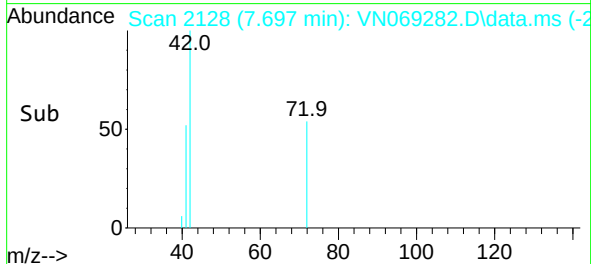
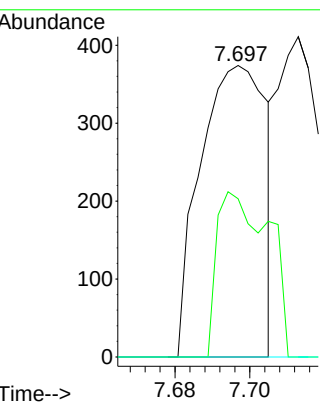
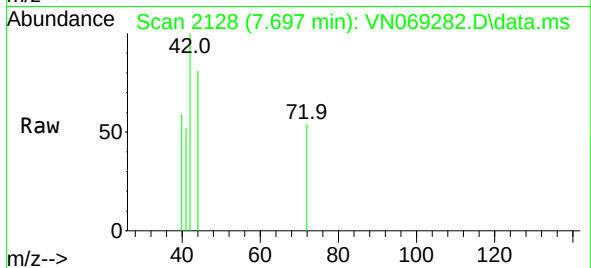
Tgt Ion: 42 Resp: 455

Ion Ratio Lower Upper

42 100

72 45.1 35.4 53.2

71 0.0 33.8 50.6#



#31

Cyclohexane

Concen: 1.239 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. -0.005 min

Lab File: VN069282.D

Acq: 29 Oct 2021 6:01

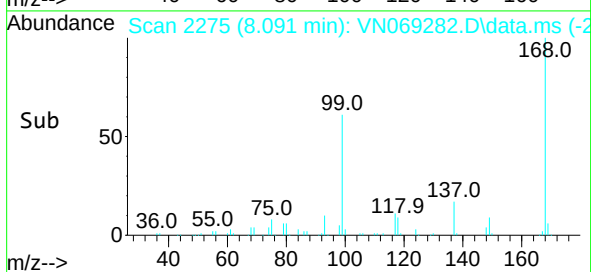
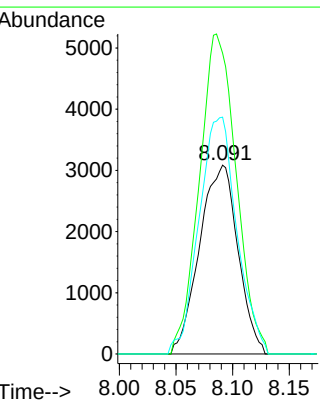
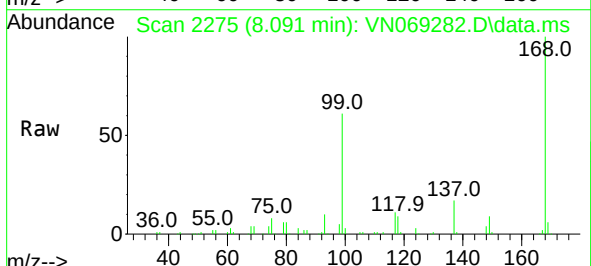
Tgt Ion: 56 Resp: 7255

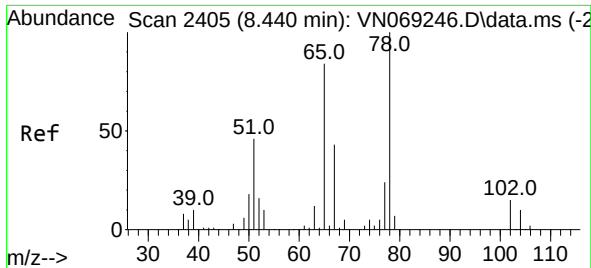
Ion Ratio Lower Upper

56 100

69 159.3 26.9 40.3#

84 125.4 67.6 101.4#

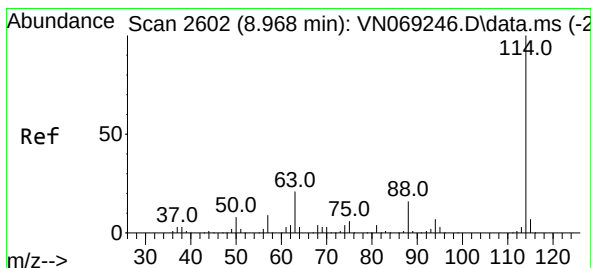
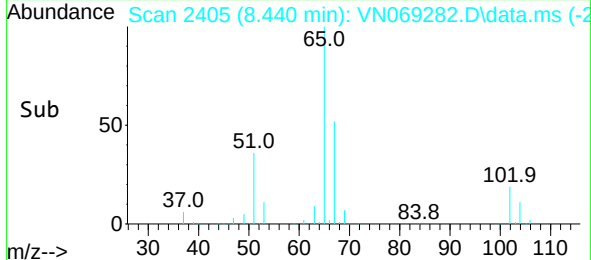
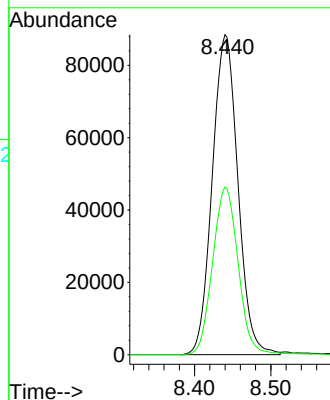
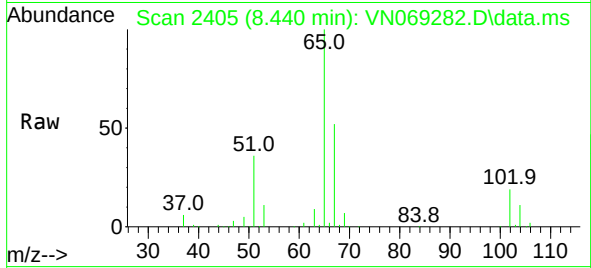




#33
 1,2-Dichloroethane-d4
 Concen: 47.195 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN069282.D
 Acq: 29 Oct 2021 6:01

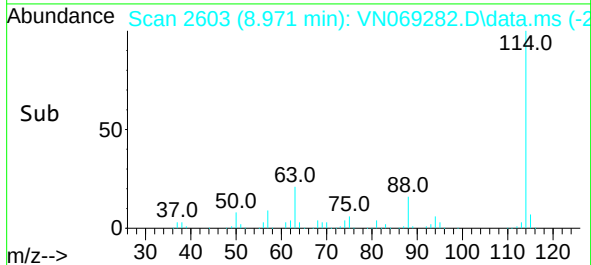
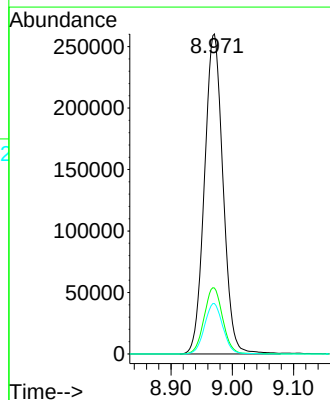
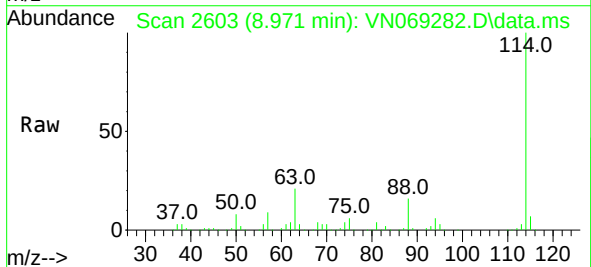
Instrument :
 MSVOA_D
 ClientSampled :

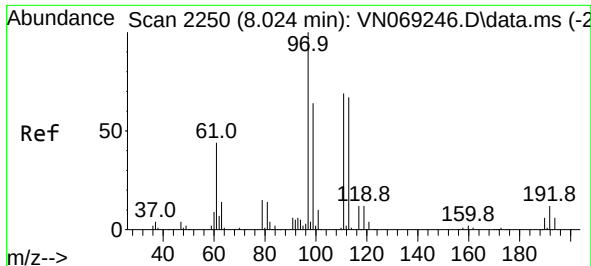
Tgt Ion: 65 Resp: 206501
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN069282.D
 Acq: 29 Oct 2021 6:01

Tgt Ion: 114 Resp: 547684
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.6
 88 15.8 0.0 32.0

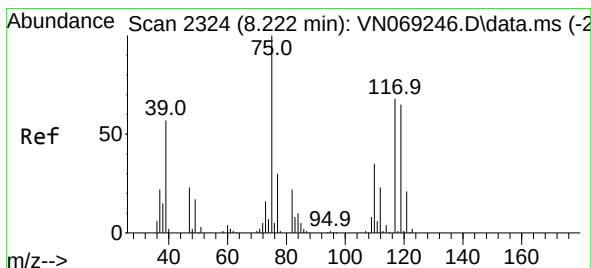
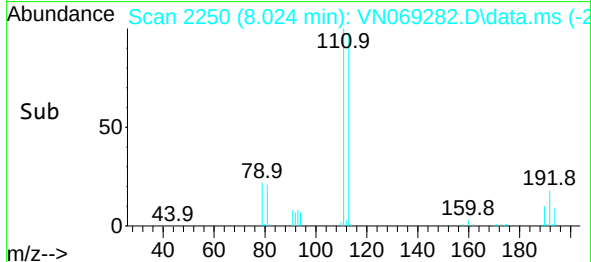
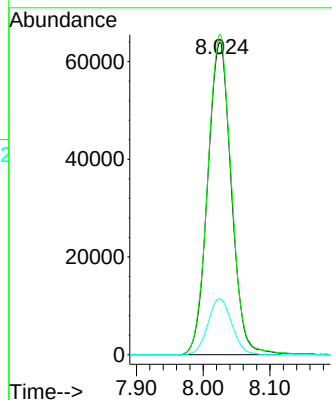
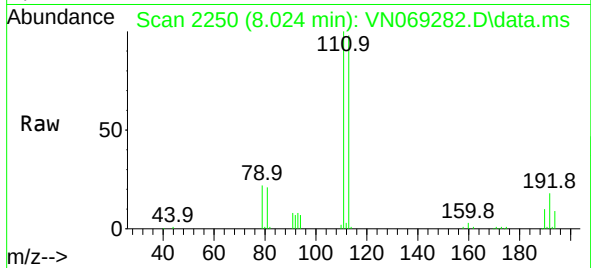




#35
Dibromofluoromethane
Concen: 46.120 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

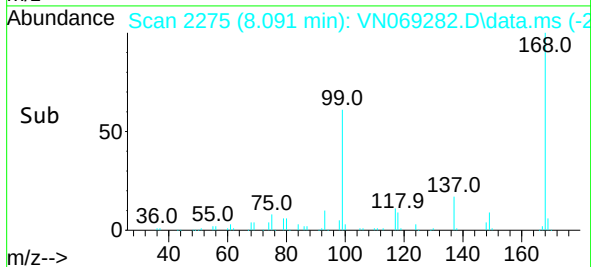
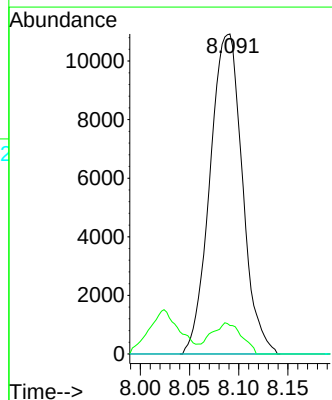
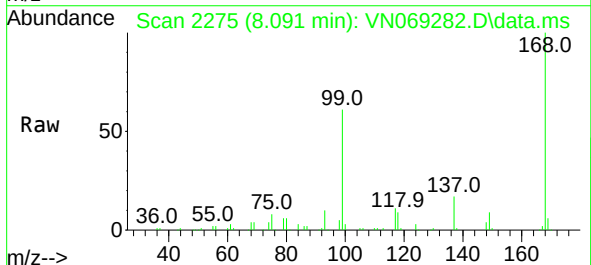
Instrument :
MSVOA_D
ClientSampled :

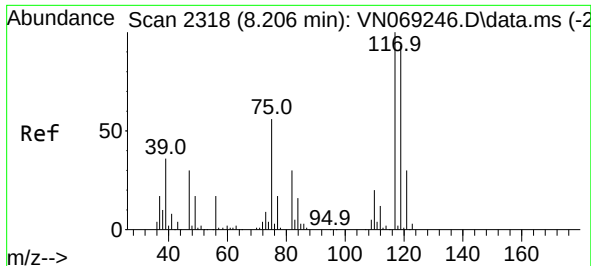
Tgt Ion:113 Resp: 157457
Ion Ratio Lower Upper
113 100
111 102.5 83.2 124.8
192 18.2 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.302 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.131 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

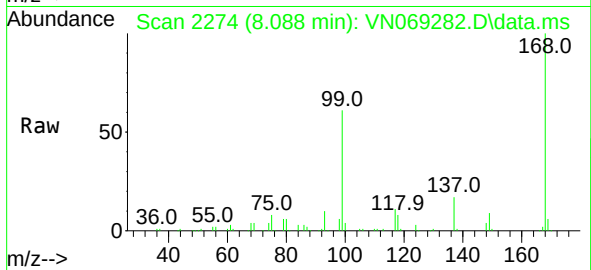
Tgt Ion: 75 Resp: 25032
Ion Ratio Lower Upper
75 100
110 9.1 17.9 53.8#
77 0.0 24.7 37.1#



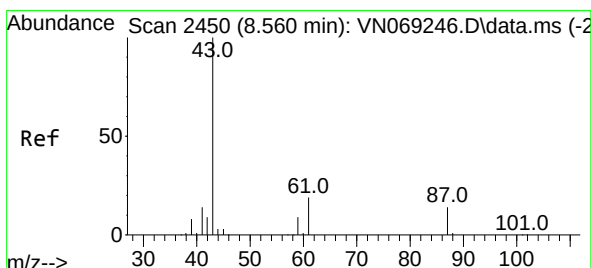
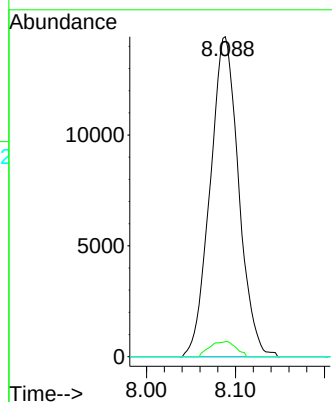
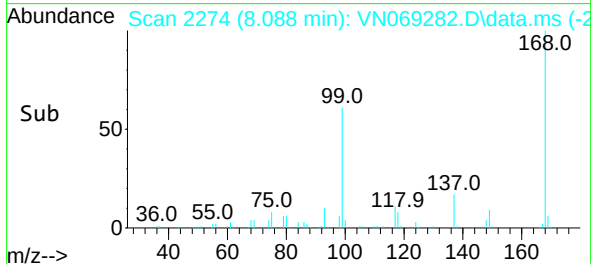


#38
Carbon Tetrachloride
Concen: 6.877 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

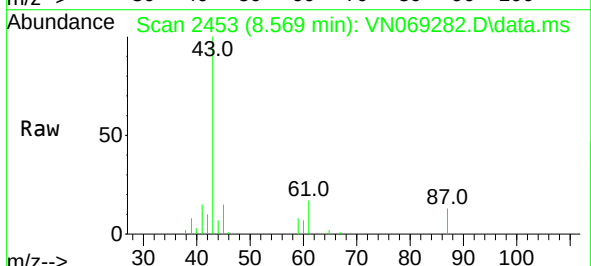
Instrument :
MSVOA_D
ClientSampled :



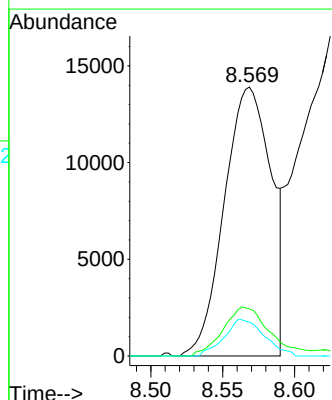
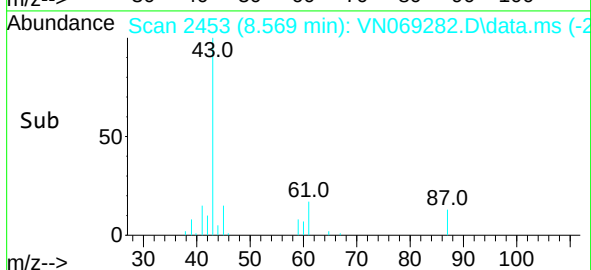
Tgt Ion:117 Resp: 32160
Ion Ratio Lower Upper
117 100
119 4.7 76.9 115.3#
121 0.0 24.6 37.0#

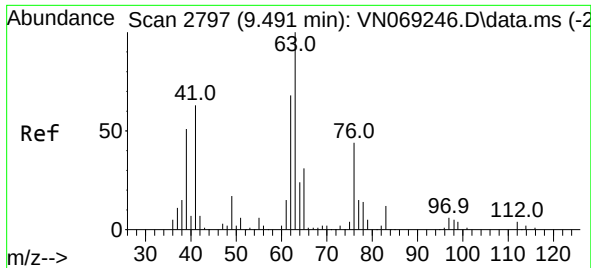


#43
Isopropyl Acetate
Concen: 3.801 ug/l
RT: 8.569 min Scan# 2453
Delta R.T. 0.008 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01



Tgt Ion: 43 Resp: 31650
Ion Ratio Lower Upper
43 100
61 18.0 20.4 30.6#
87 11.6 10.7 16.1

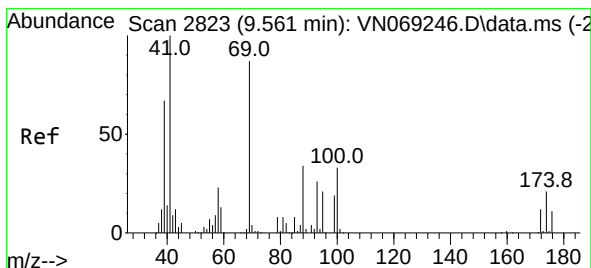
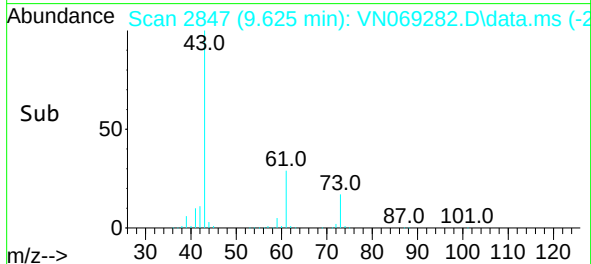
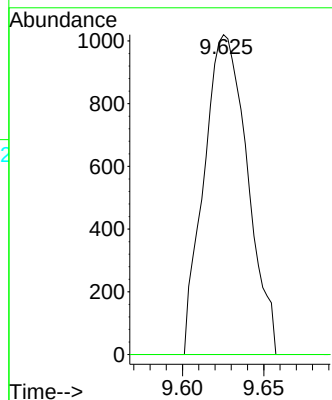
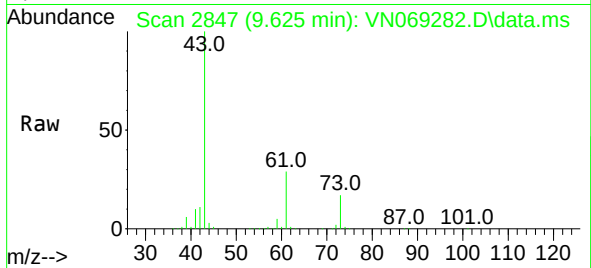




#45
1,2-Dichloropropane
Concen: 0.525 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

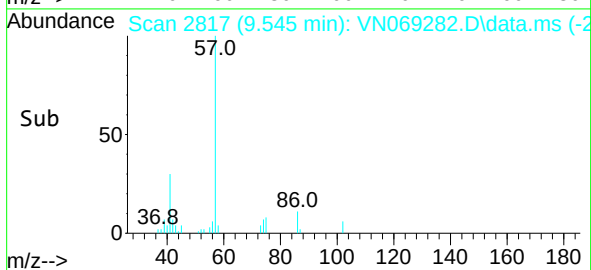
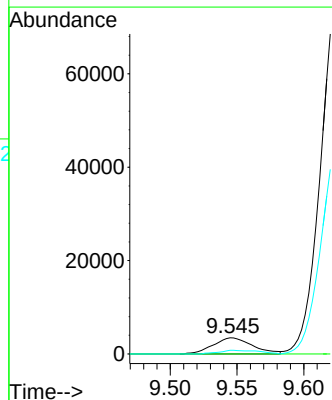
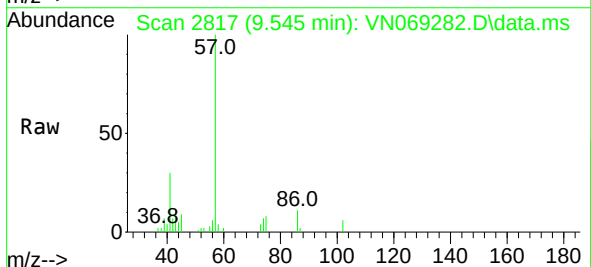
Instrument :
MSVOA_D
ClientSampled :

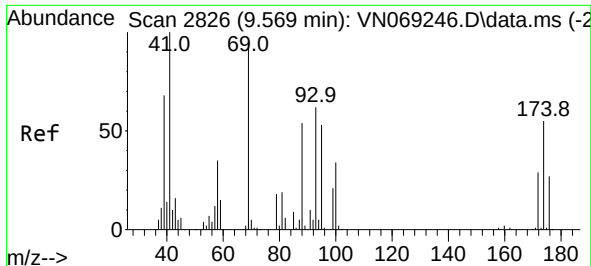
Tgt Ion: 63 Resp: 1900
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 1.751 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

Tgt Ion: 41 Resp: 7109
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#

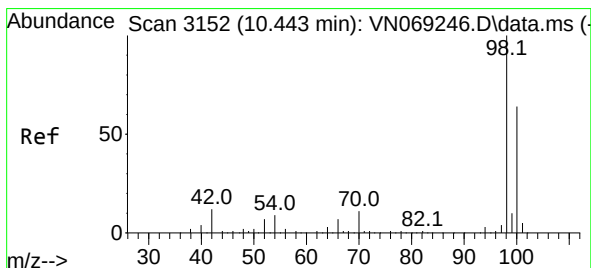
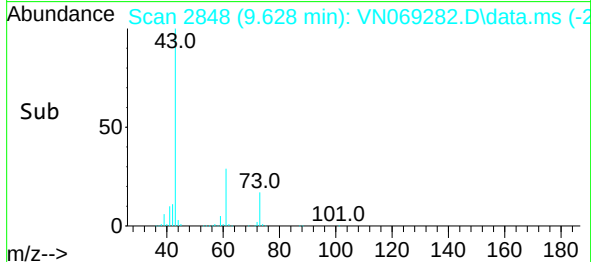
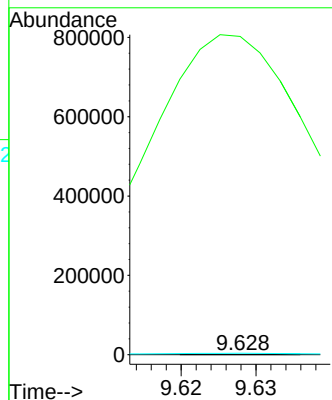
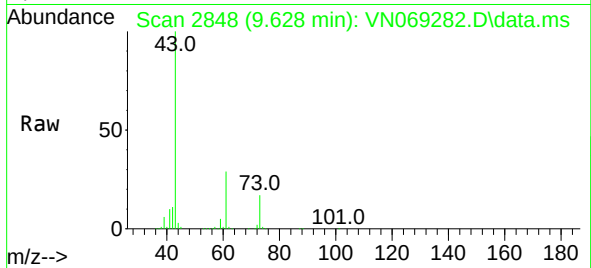




#49
1,4-Dioxane
Concen: 35.377 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.059 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

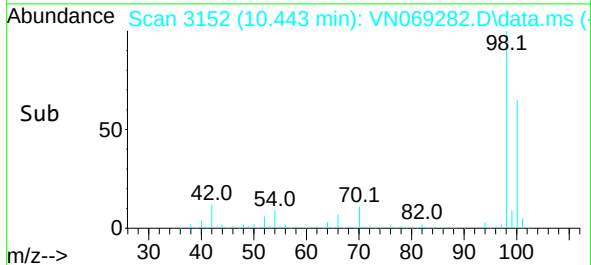
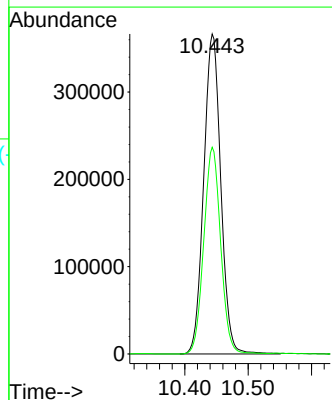
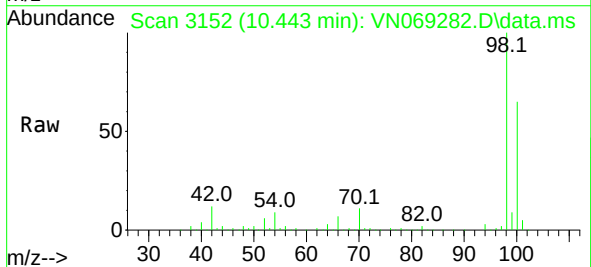
Instrument :
MSVOA_D
ClientSampled :

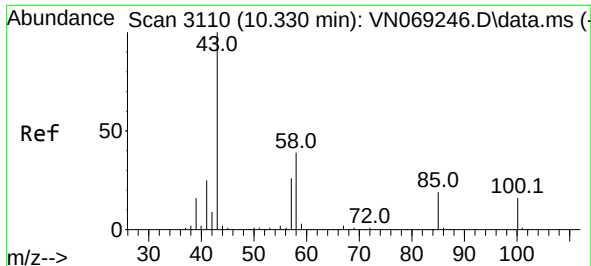
Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 2874615.1 24.9 37.3#
58 12049.1 56.9 85.3#



#50
Toluene-d8
Concen: 50.253 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

Tgt Ion: 98 Resp: 685973
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3

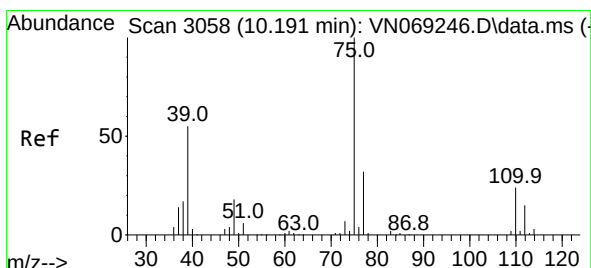
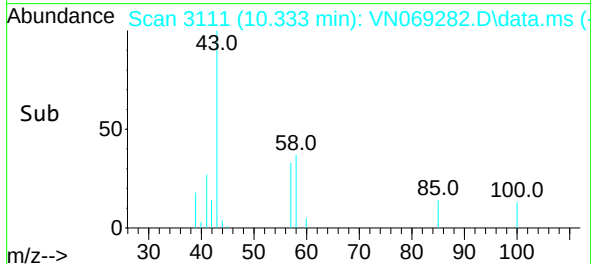
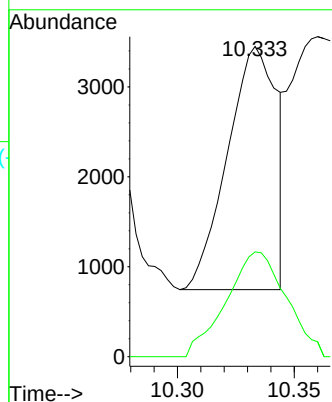
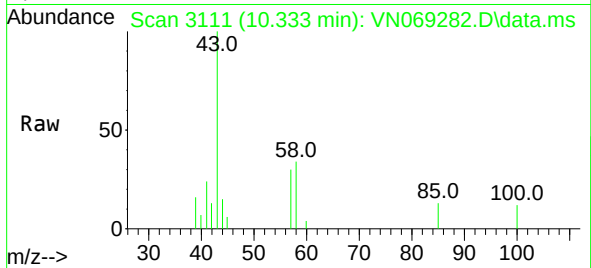




#51
4-Methyl-2-Pentanone
Concen: 7.032 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

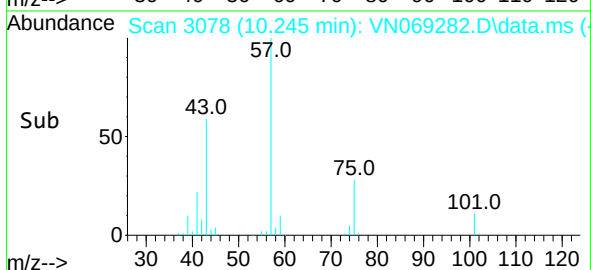
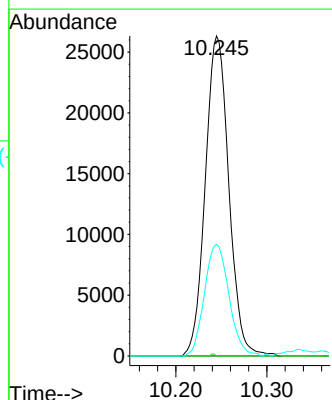
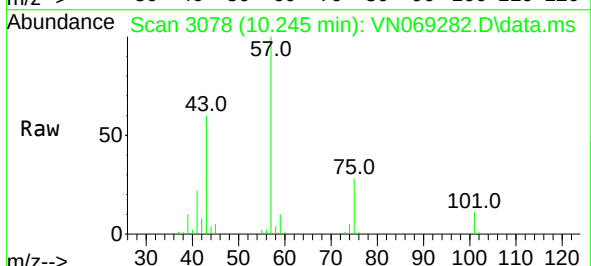
Instrument :
MSVOA_D
ClientSampled :

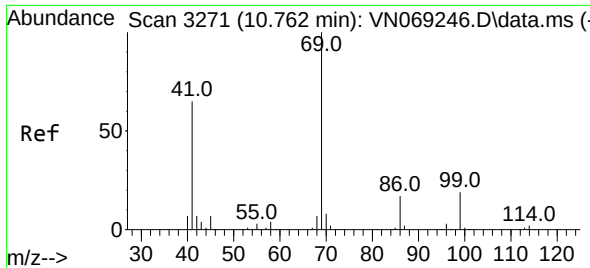
Tgt Ion: 43 Resp: 3949
Ion Ratio Lower Upper
43 100
58 52.6 31.0 46.4#



#54
cis-1,3-Dichloropropene
Concen: 8.582 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

Tgt Ion: 75 Resp: 47139
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#
39 34.9 42.9 64.3#

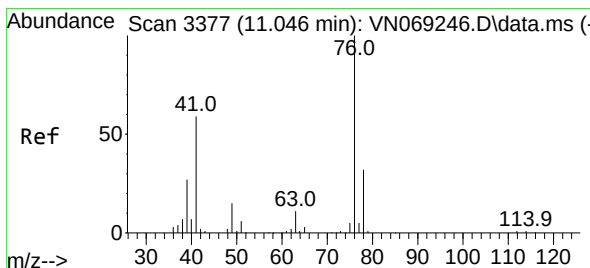
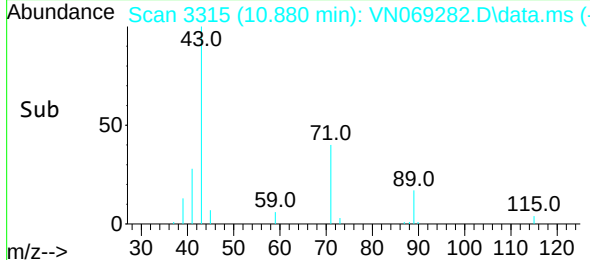
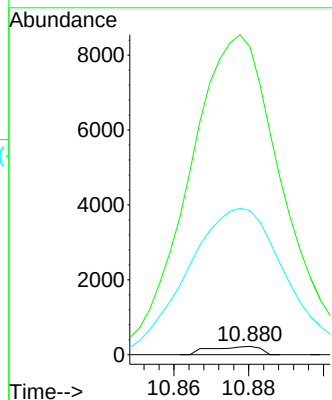
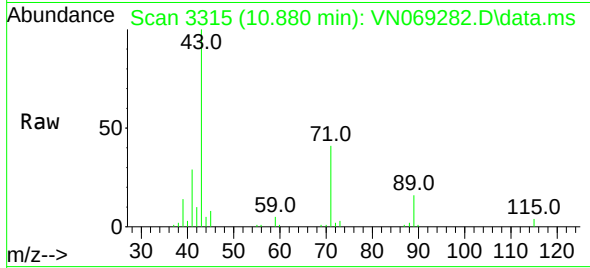




#56
Ethyl methacrylate
Concen: 1.712 ug/l
RT: 10.880 min Scan# 3315
Delta R.T. 0.118 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

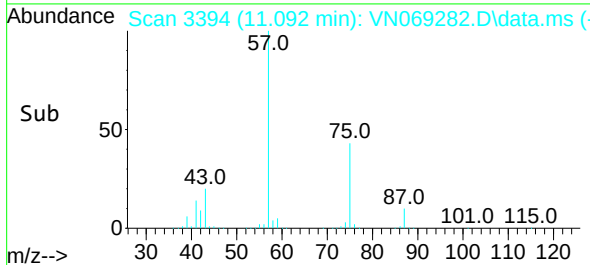
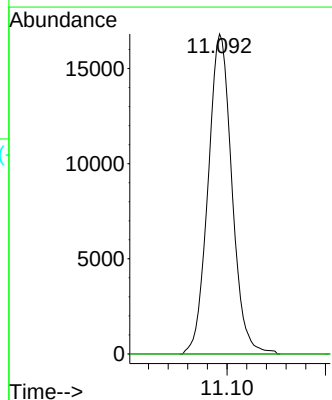
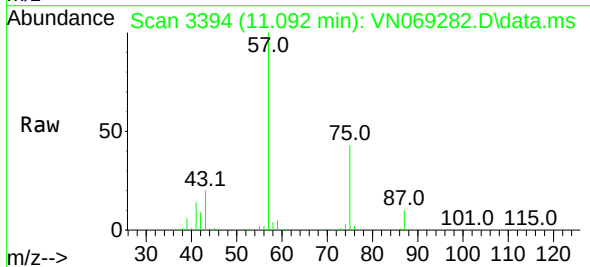
Instrument :
MSVOA_D
ClientSampled :

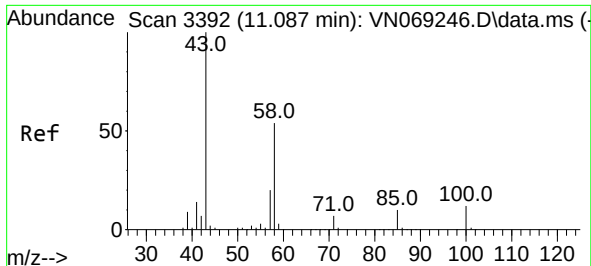
Tgt Ion: 69 Resp: 204
Ion Ratio Lower Upper
69 100
41 7420.6 53.3 79.9#
39 3525.5 33.3 49.9#



#57
1,3-Dichloropropane
Concen: 4.536 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

Tgt Ion: 76 Resp: 28276
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

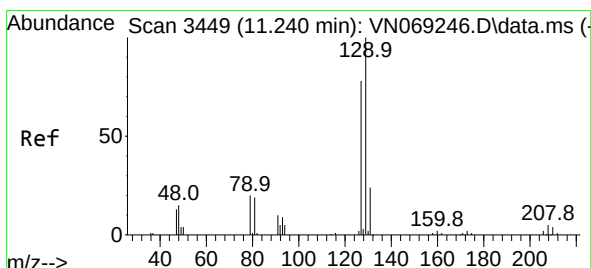
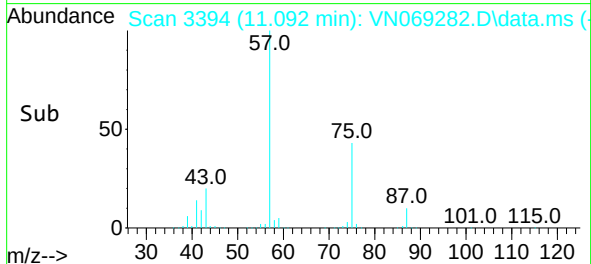
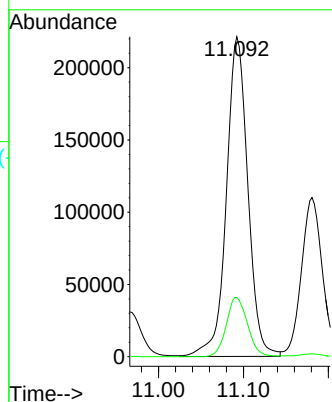
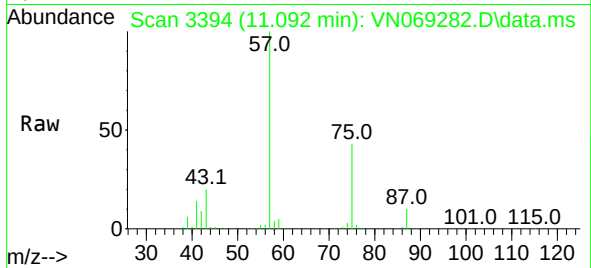




#59
2-Hexanone
Concen: 88.510 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

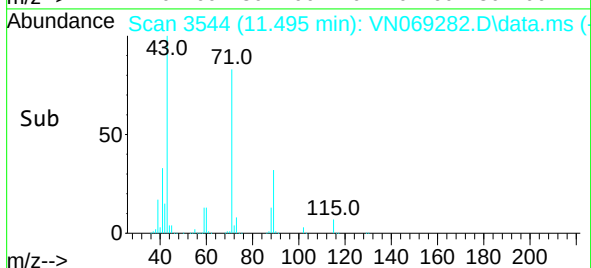
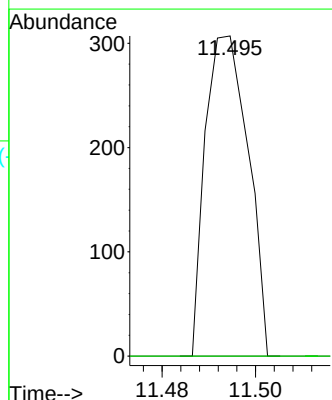
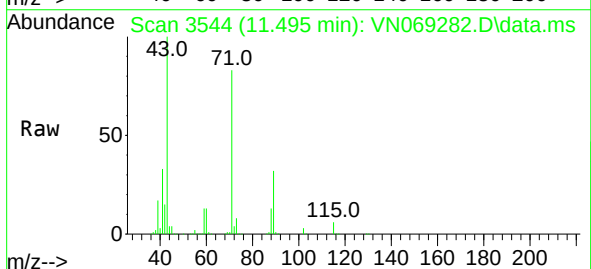
Instrument :
MSVOA_D
ClientSampled :

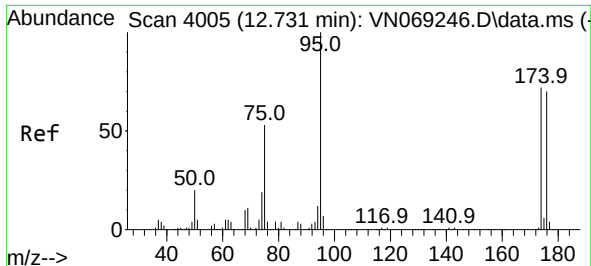
Tgt Ion: 43 Resp: 388445
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.019 ug/l
RT: 11.495 min Scan# 3544
Delta R.T. 0.255 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

Tgt Ion:129 Resp: 196
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#

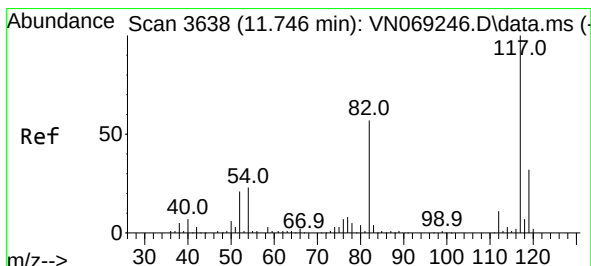
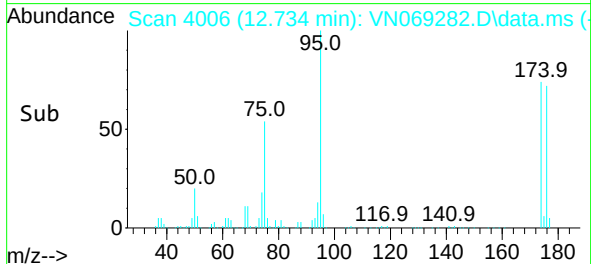
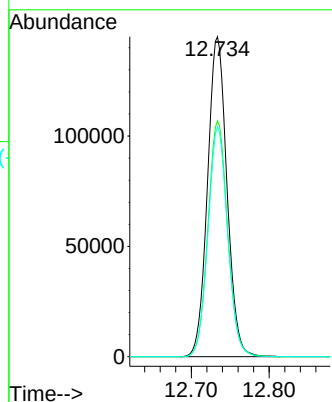
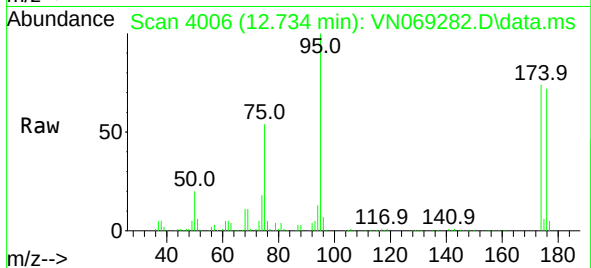




#62
4-Bromofluorobenzene
Concen: 48.812 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

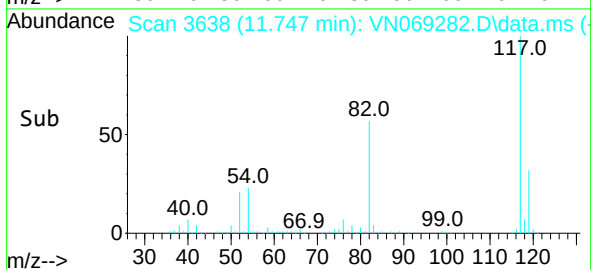
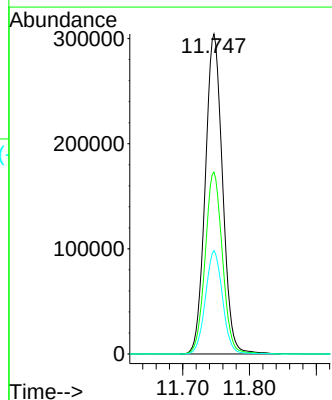
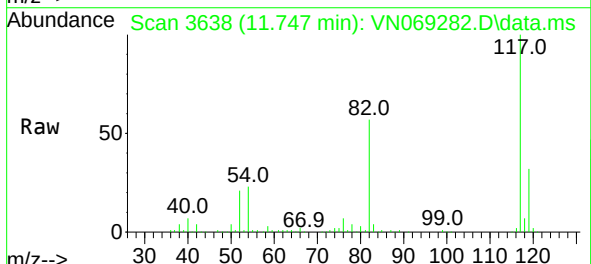
Instrument :
MSVOA_D
ClientSampleId :

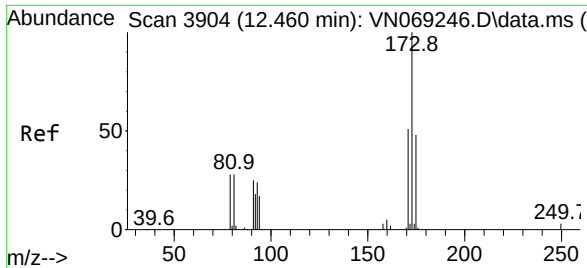
Tgt Ion: 95 Resp: 251434
Ion Ratio Lower Upper
95 100
174 74.8 0.0 144.8
176 72.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

Tgt Ion: 117 Resp: 547242
Ion Ratio Lower Upper
117 100
82 56.8 46.4 69.6
119 32.3 26.0 39.0

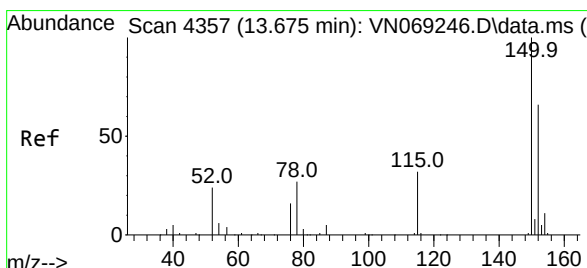
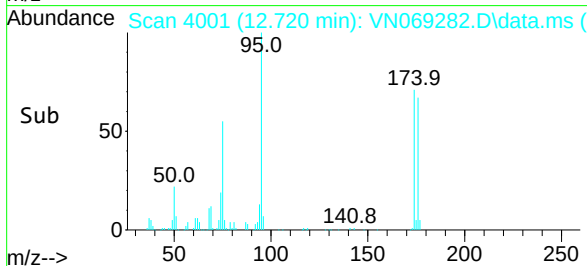
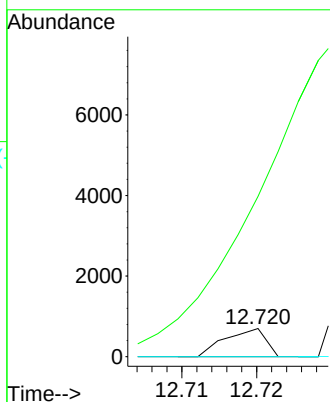
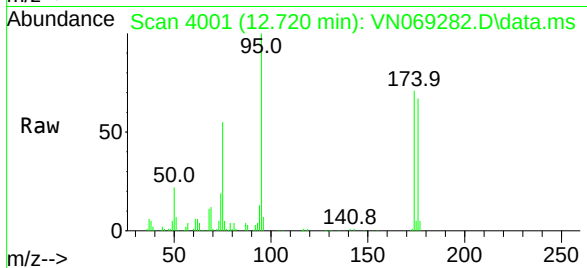




#71
Bromoform
Concen: 2.947 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

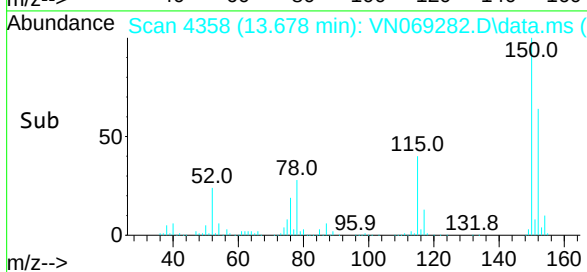
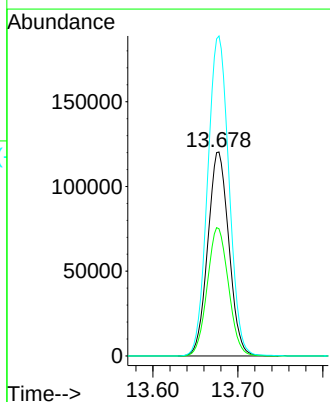
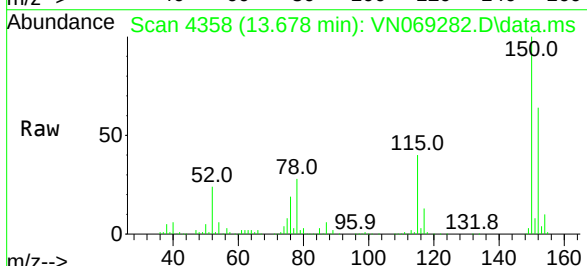
Instrument :
MSVOA_D
ClientSampled :

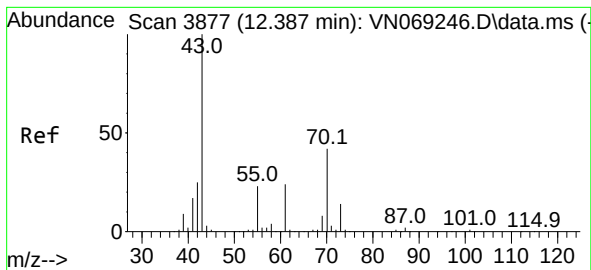
Tgt Ion:173 Resp: 264
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

Tgt Ion:152 Resp: 207704
Ion Ratio Lower Upper
152 100
115 63.2 31.4 94.3
150 158.7 0.0 351.0

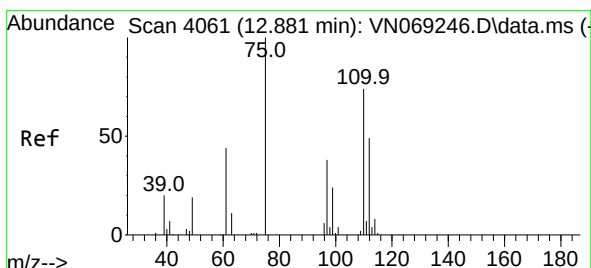
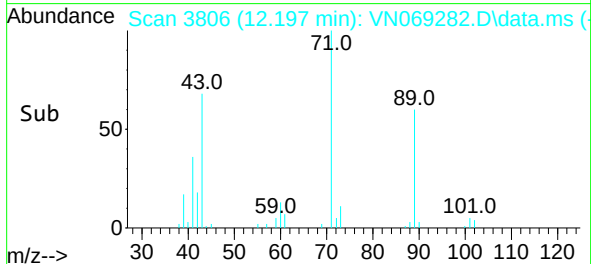
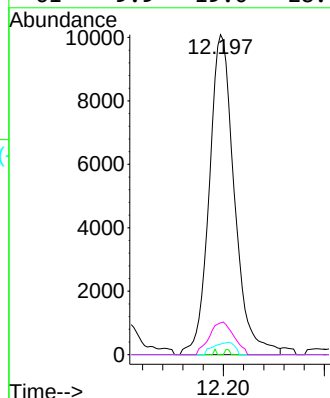
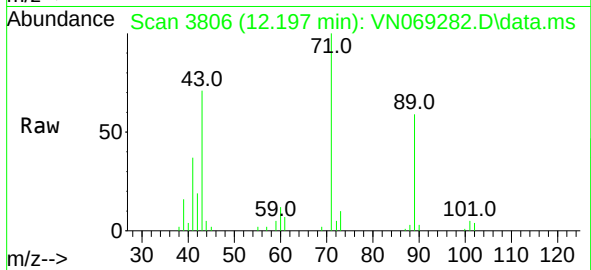




#74
N-amy1 acetate
Concen: 2.533 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

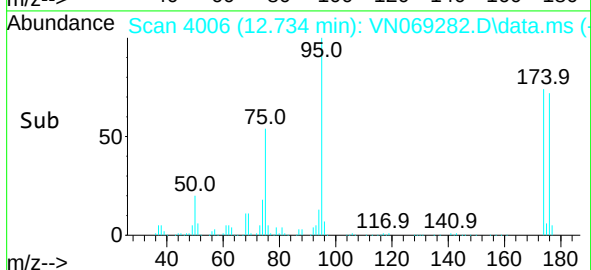
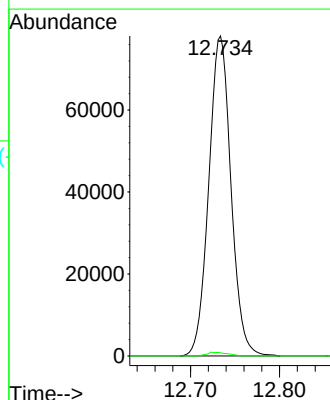
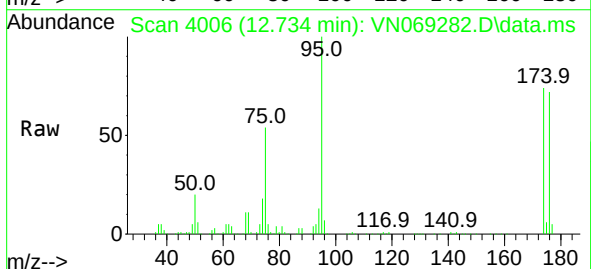
Instrument :
MSVOA_D
ClientSampleId :

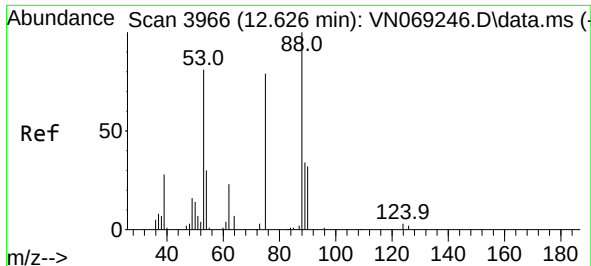
Tgt Ion:	43	Resp:	17423
Ion	Ratio	Lower	Upper
43	100		
70	0.3	32.2	48.2#
55	3.2	18.0	27.0#
61	9.9	19.0	28.4#



#76
1,2,3-Trichloropropane
Concen: 24.763 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

Tgt Ion:	75	Resp:	135275
Ion	Ratio	Lower	Upper
75	100		
77	1.1	96.2	288.4#

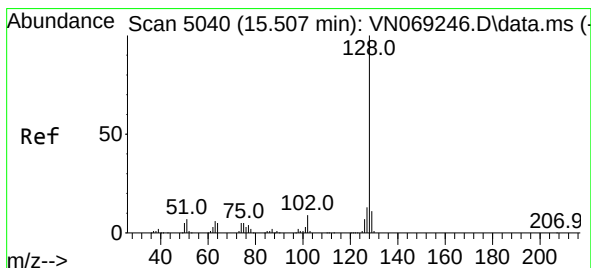
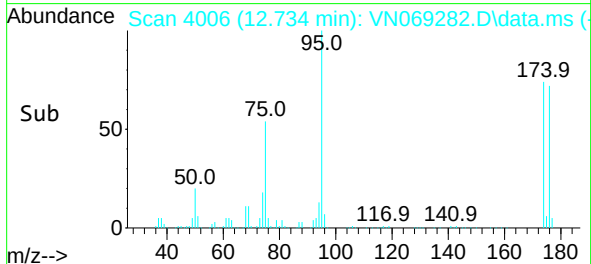
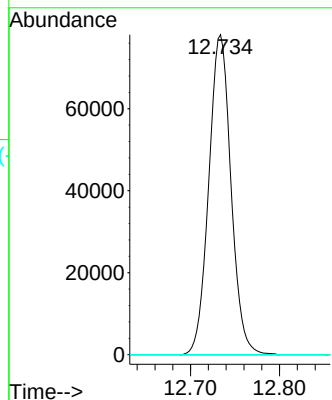
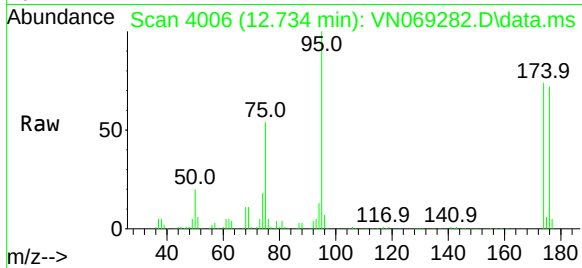




#81
trans-1,4-Dichloro-2-butene
Concen: 70.966 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 135275
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.356 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069282.D
Acq: 29 Oct 2021 6:01

Tgt Ion: 128 Resp: 541
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

