

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102821\
 Data File : VN069281.D
 Acq On : 29 Oct 2021 5:35
 Operator : JC/MD
 Sample : PB140292ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 29 07:57:45 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)

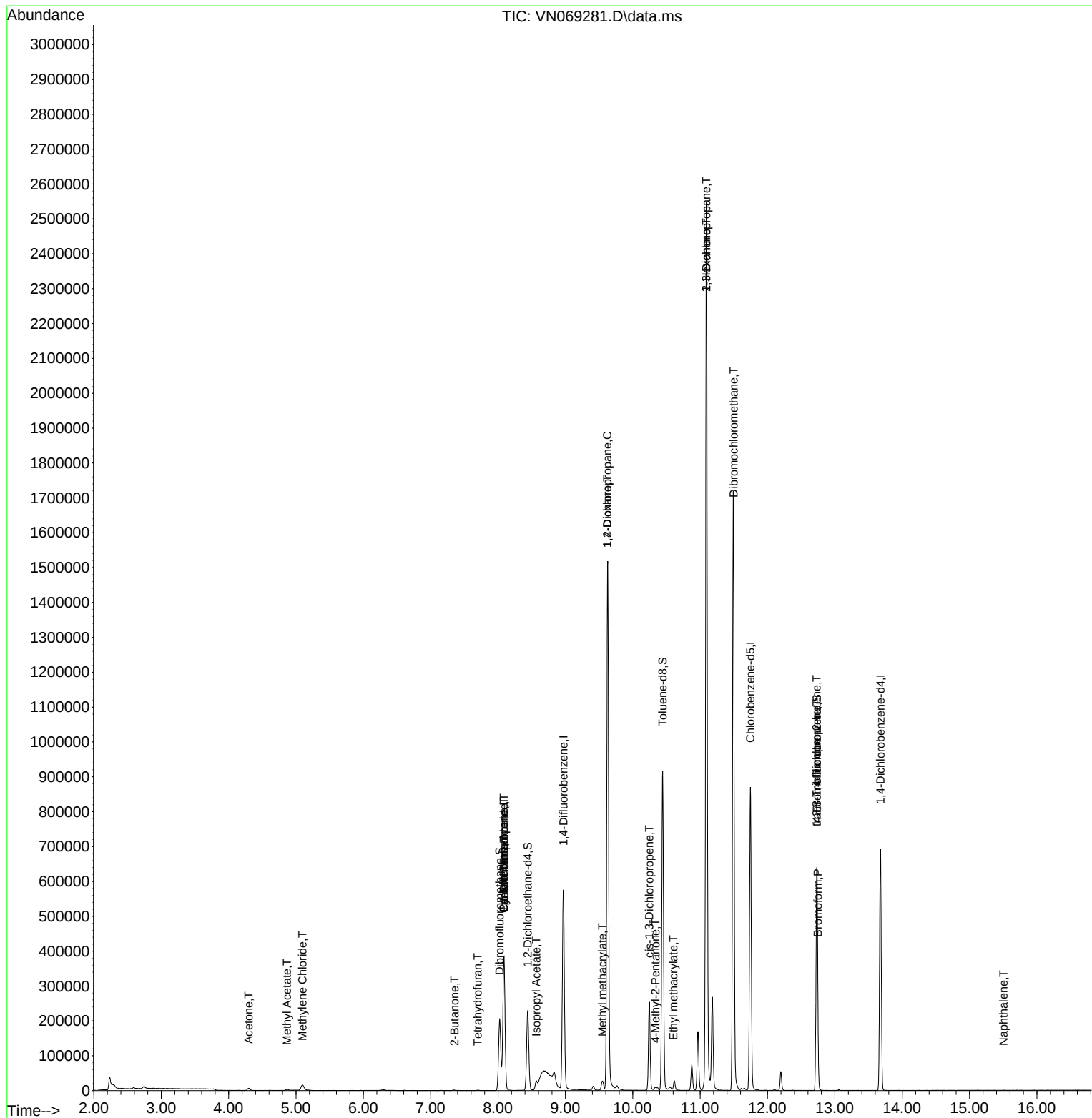
Internal Standards						
1) Pentafluorobenzene	8.088	168	285515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	512147	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	507973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	186004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	193789	47.019	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.040%		
35) Dibromofluoromethane	8.024	113	147459	46.188	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.380%		
50) Toluene-d8	10.443	98	642521	50.336	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.680%		
62) 4-Bromofluorobenzene	12.734	95	231034	47.964	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.920%		
Target Compounds						Qvalue
3) Chloromethane	2.295	50	218	Below Cal	#	42
16) Acetone	4.296	43	11954	6.807	ug/l	95
18) Methyl Acetate	4.867	43	5982	1.002	ug/l	93
20) Methylene Chloride	5.095	84	12322	3.658	ug/l	95
25) 2-Butanone	7.354	43	2650	2.612	ug/l	90
29) Tetrahydrofuran	7.697	42	685	3.328	ug/l #	55
31) Cyclohexane	8.086	56	6728	1.220	ug/l #	5
36) 1,1-Dichloropropene	8.088	75	23267	5.270	ug/l #	49
38) Carbon Tetrachloride	8.088	117	30061	6.875	ug/l #	16
43) Isopropyl Acetate	8.568	43	34189	4.319	ug/l #	86
45) 1,2-Dichloropropane	9.622	63	1868	0.552	ug/l #	43
48) Methyl methacrylate	9.547	41	7509	1.977	ug/l #	13
49) 1,4-Dioxane	9.622	88	25	35.119	ug/l #	1
51) 4-Methyl-2-Pentanone	10.339	43	4001	7.085	ug/l #	84
54) cis-1,3-Dichloropropene	10.245	75	46417	8.956	ug/l #	63
56) Ethyl methacrylate	10.604	69	196	1.713	ug/l #	1
57) 1,3-Dichloropropane	11.092	76	26985	4.630	ug/l #	42
59) 2-Hexanone	11.092	43	386935	93.761	ug/l #	50
60) Dibromochloromethane	11.497	129	151	2.011	ug/l #	10
71) Bromoform	12.747	173	192	2.931	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	123585	25.262	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	123585	72.311	ug/l #	12
95) Naphthalene	15.504	128	275	3.335	ug/l #	69

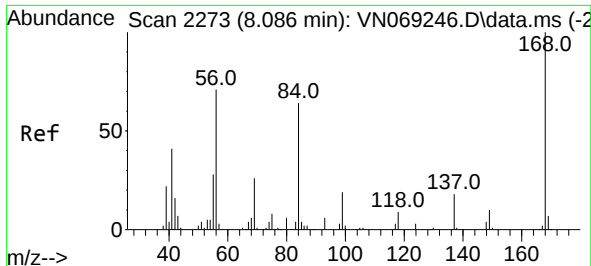
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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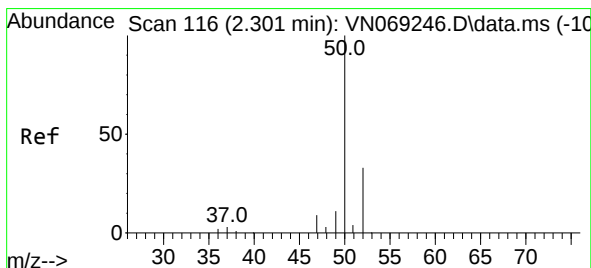
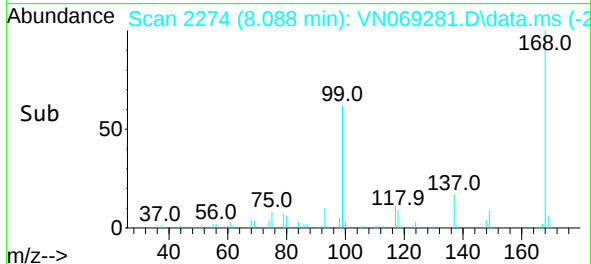
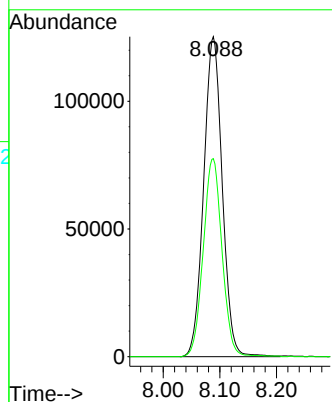
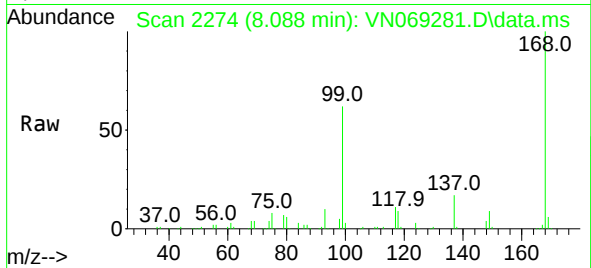




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

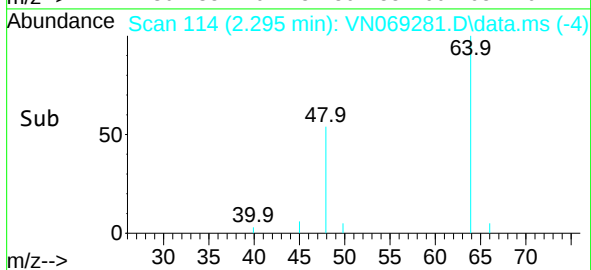
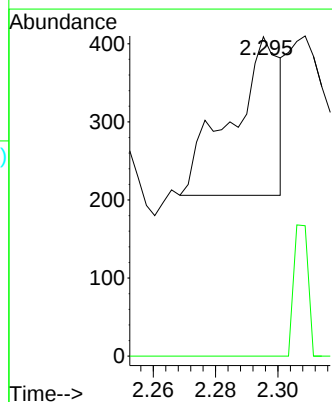
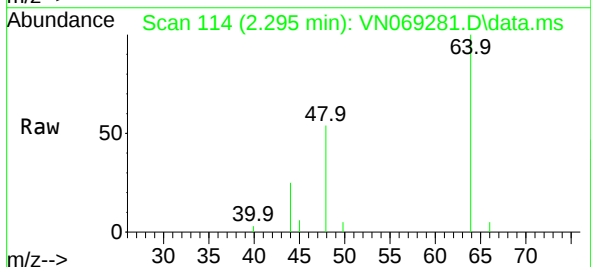
Instrument :
MSVOA_D
ClientSampleId :

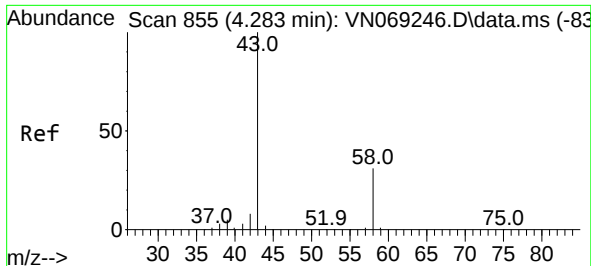
Tgt Ion:168 Resp: 285515
Ion Ratio Lower Upper
168 100
99 61.9 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.295 min Scan# 114
Delta R.T. -0.006 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

Tgt Ion: 50 Resp: 218
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

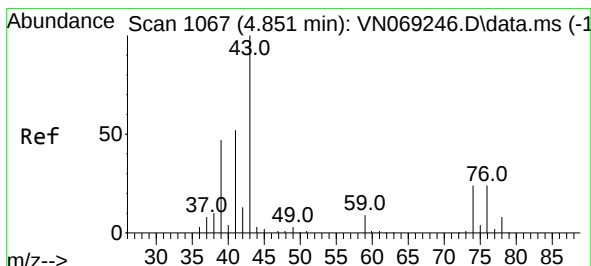
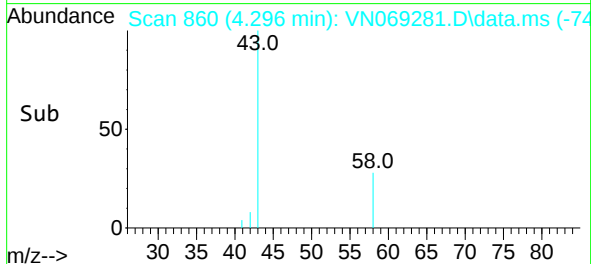
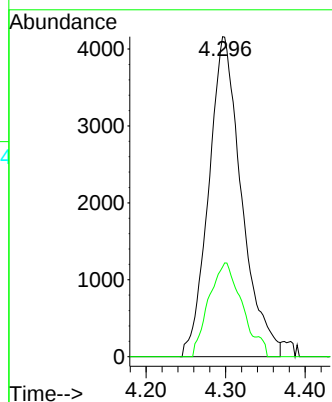
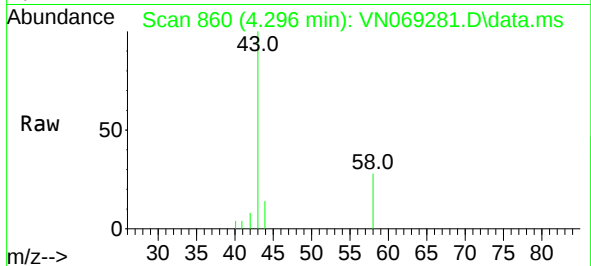




#16
Acetone
Concen: 6.807 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.013 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

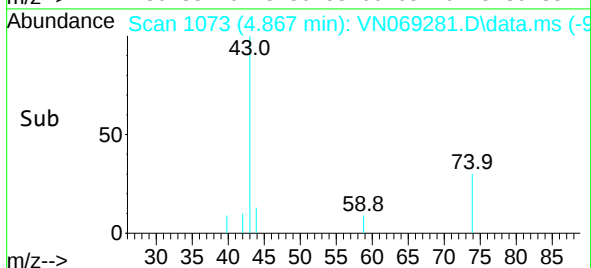
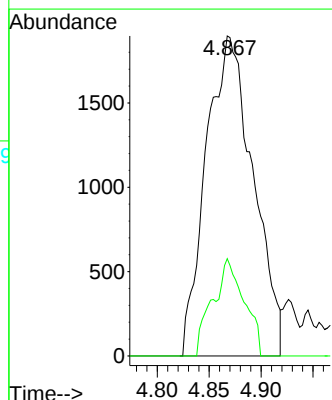
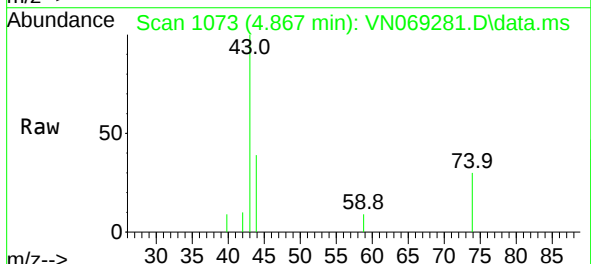
Instrument :
MSVOA_D
ClientSampled :

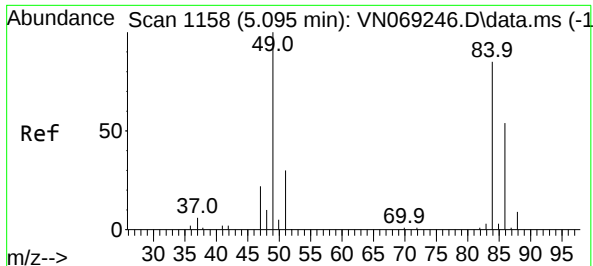
Tgt Ion: 43 Resp: 11954
Ion Ratio Lower Upper
43 100
58 28.1 24.5 36.7



#18
Methyl Acetate
Concen: 1.002 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.016 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

Tgt Ion: 43 Resp: 5982
Ion Ratio Lower Upper
43 100
74 20.3 18.9 28.3

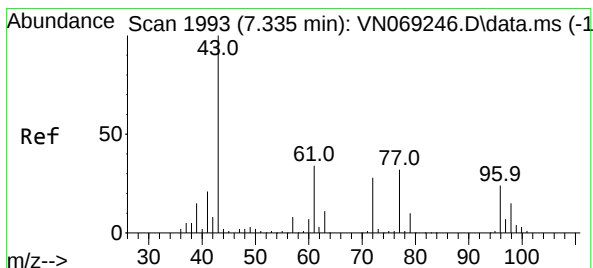
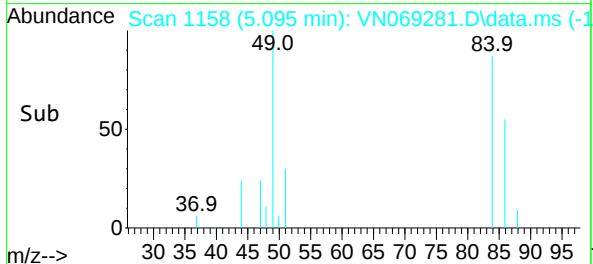
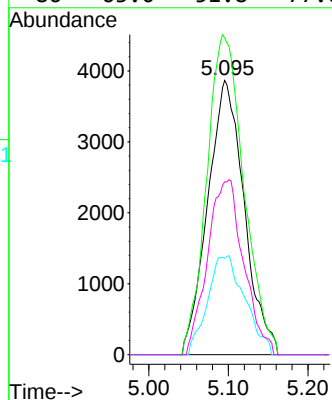
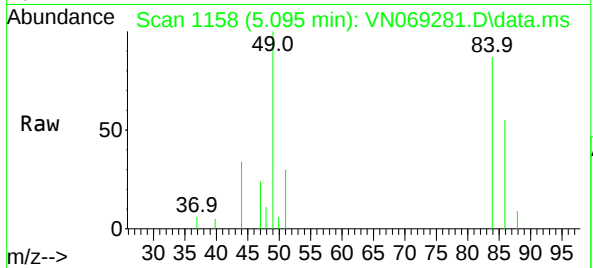




#20
Methylene Chloride
Concen: 3.658 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.000 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

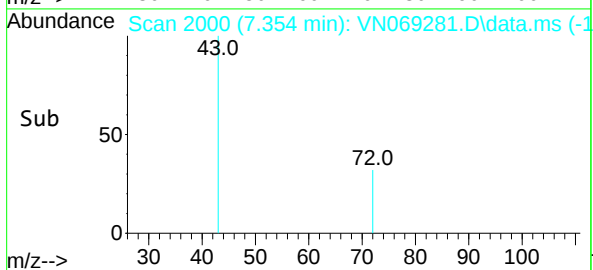
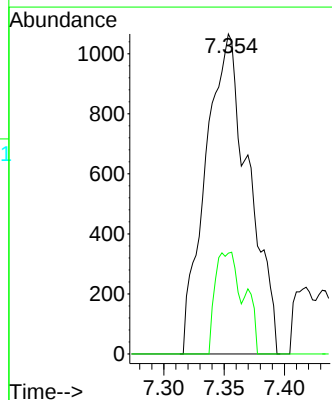
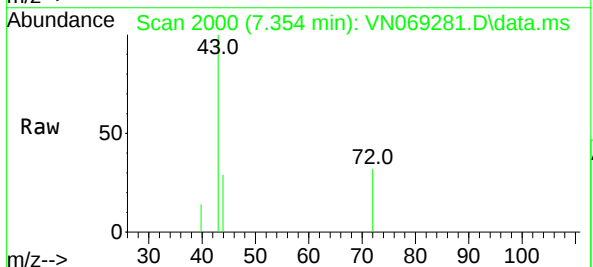
Instrument :
MSVOA_D
ClientSampleId :

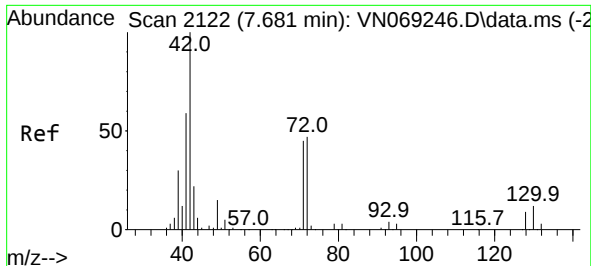
Tgt Ion: 84	Resp: 12322
Ion Ratio	Lower Upper
84 100	
49 115.5	97.6 146.4
51 35.1	30.3 45.5
86 63.0	51.8 77.6



#25
2-Butanone
Concen: 2.612 ug/l
RT: 7.354 min Scan# 2000
Delta R.T. 0.019 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

Tgt Ion: 43	Resp: 2650		
Ion Ratio	Lower	Upper	
43 100			
72 31.5	21.2	31.8	





#29

Tetrahydrofuran

Concen: 3.328 ug/l

RT: 7.697 min Scan# 2128

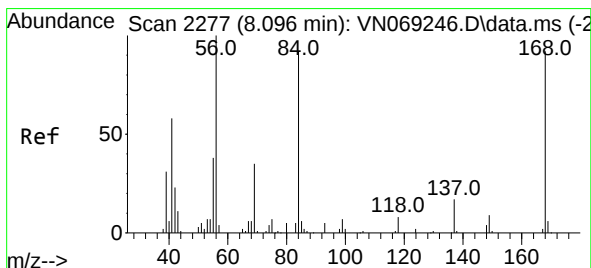
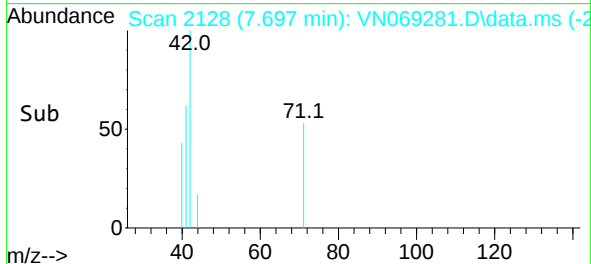
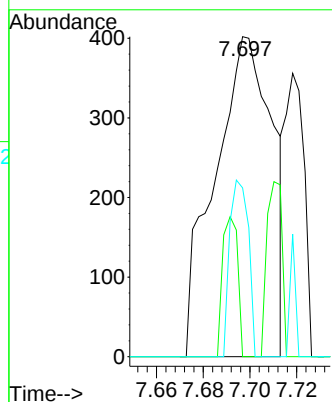
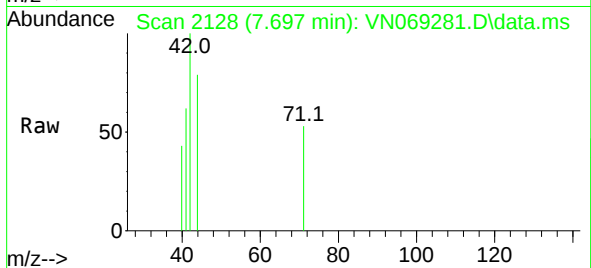
Delta R.T. 0.016 min

Lab File: VN069281.D

Acq: 29 Oct 2021 5:35

Tgt Ion:	42	Resp:	685
Ion	Ratio	Lower	Upper
42	100		
72	11.4	35.4	53.2#
71	18.0	33.8	50.6#

Instrument :
MSVOA_D
ClientSampleId :



#31

Cyclohexane

Concen: 1.220 ug/l

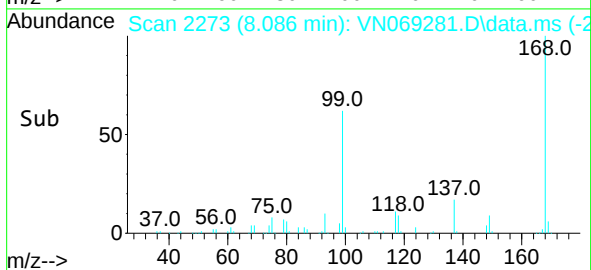
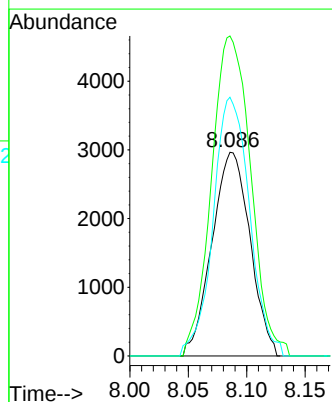
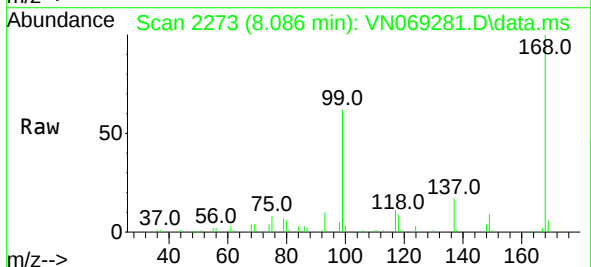
RT: 8.086 min Scan# 2273

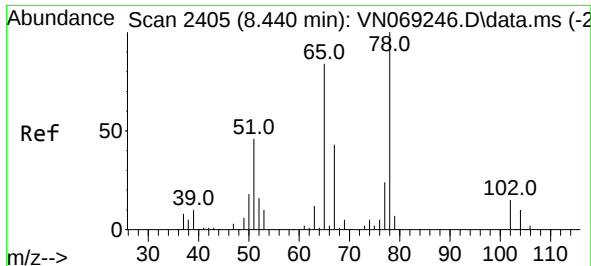
Delta R.T. -0.010 min

Lab File: VN069281.D

Acq: 29 Oct 2021 5:35

Tgt Ion:	56	Resp:	6728
Ion	Ratio	Lower	Upper
56	100		
69	157.1	26.9	40.3#
84	127.0	67.6	101.4#

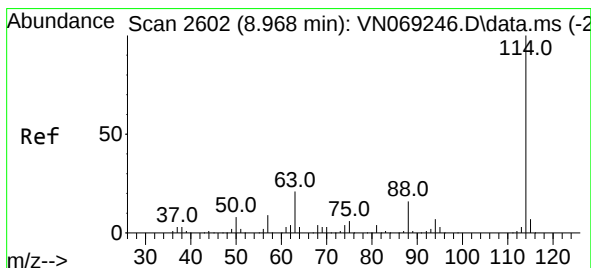
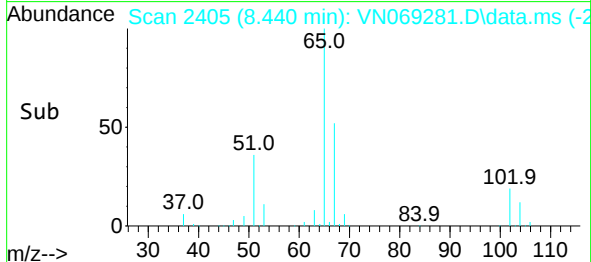
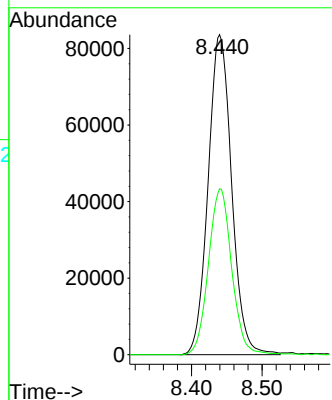
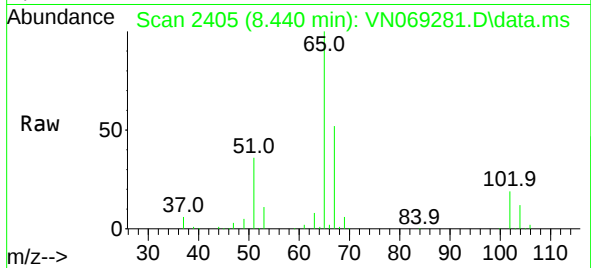




#33
 1,2-Dichloroethane-d4
 Concen: 47.019 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN069281.D
 Acq: 29 Oct 2021 5:35

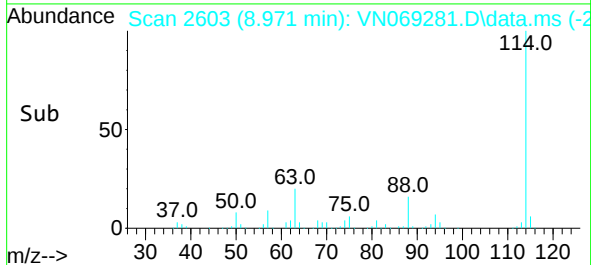
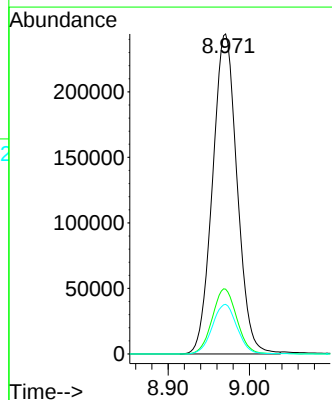
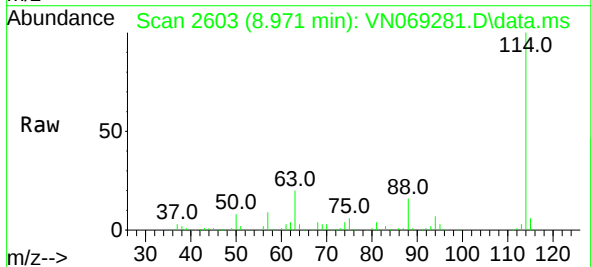
Instrument :
 MSVOA_D
 ClientSampleId :

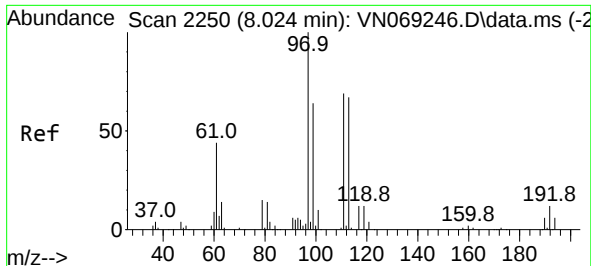
Tgt Ion: 65 Resp: 193789
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN069281.D
 Acq: 29 Oct 2021 5:35

Tgt Ion: 114 Resp: 512147
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 42.6
 88 15.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 46.188 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.000 min

Lab File: VN069281.D

Acq: 29 Oct 2021 5:35

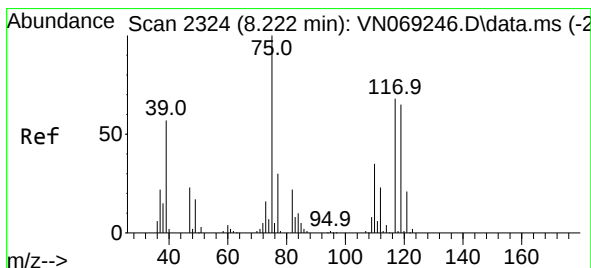
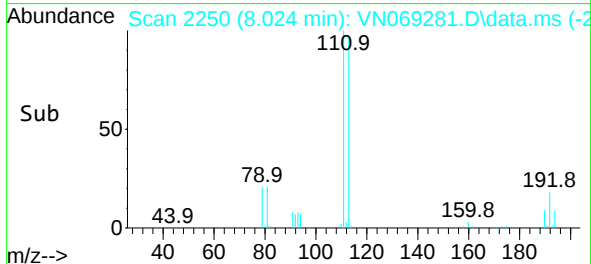
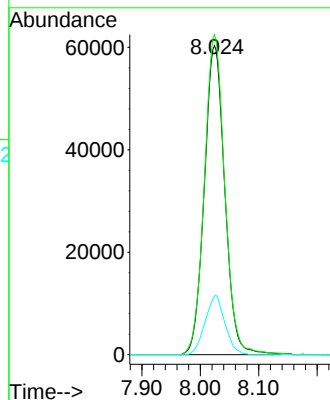
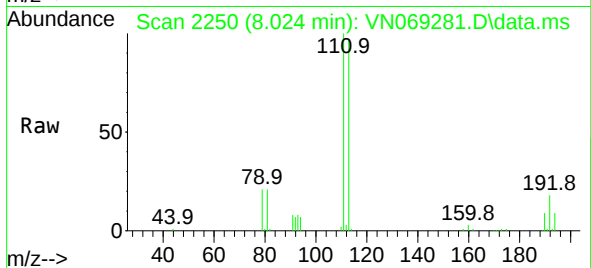
Tgt Ion: 113 Resp: 147459

Ion Ratio Lower Upper

113 100

111 103.3 83.2 124.8

192 18.5 15.0 22.4



#36

1,1-Dichloropropene

Concen: 5.270 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.134 min

Lab File: VN069281.D

Acq: 29 Oct 2021 5:35

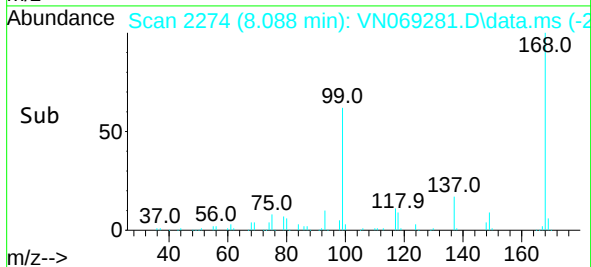
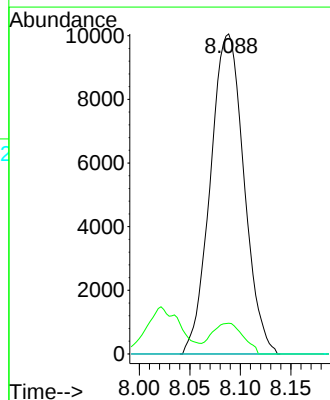
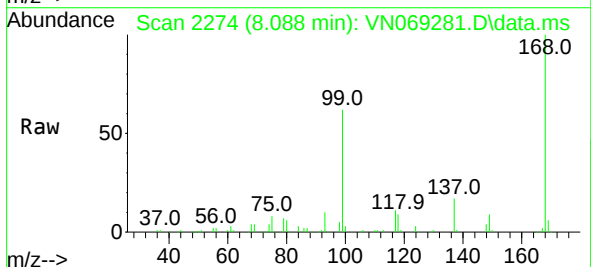
Tgt Ion: 75 Resp: 23267

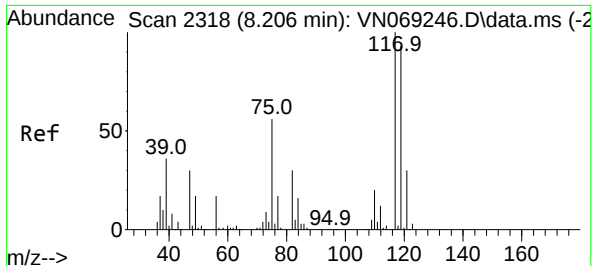
Ion Ratio Lower Upper

75 100

110 9.0 17.9 53.8#

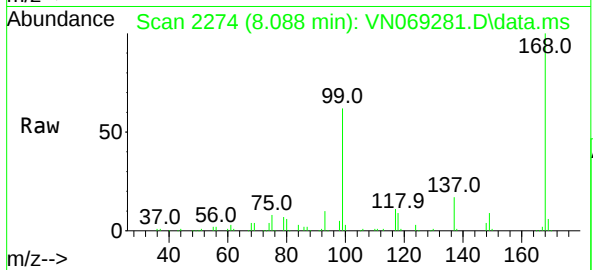
77 0.0 24.7 37.1#



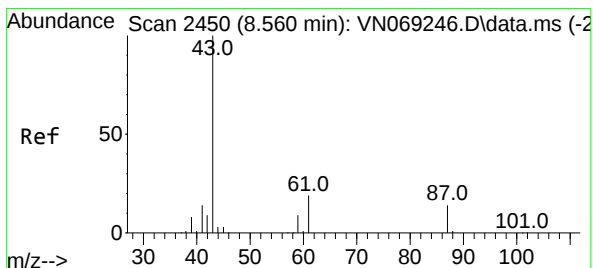
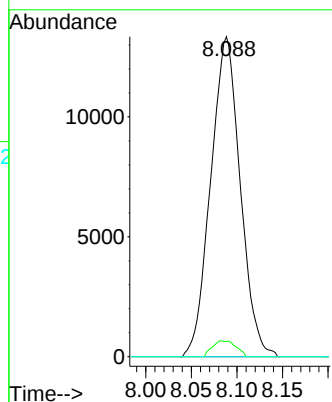
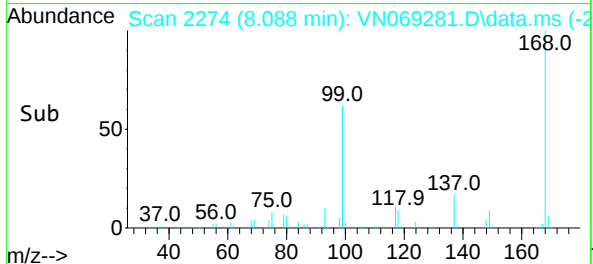


#38
Carbon Tetrachloride
Concen: 6.875 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

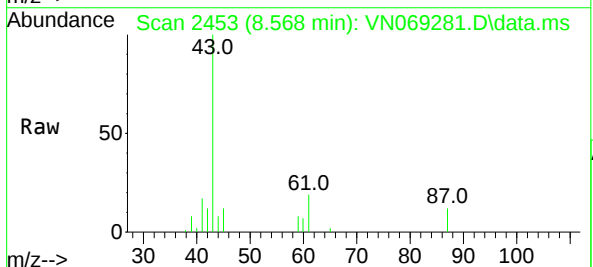
Instrument :
MSVOA_D
ClientSampled :



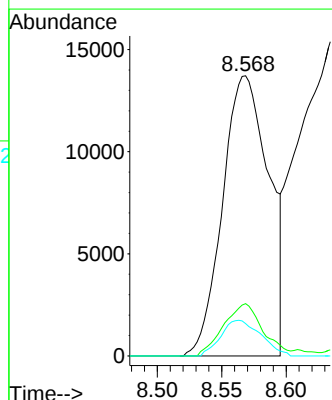
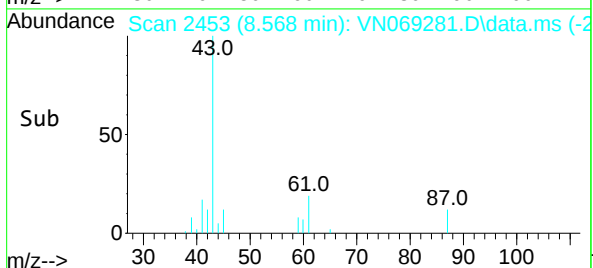
Tgt Ion:117 Resp: 30061
Ion Ratio Lower Upper
117 100
119 4.8 76.9 115.3#
121 0.0 24.6 37.0#

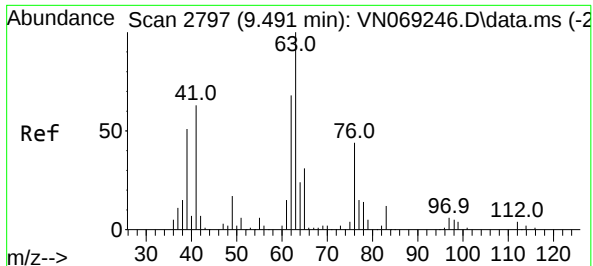


#43
Isopropyl Acetate
Concen: 4.319 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.008 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35



Tgt Ion: 43 Resp: 34189
Ion Ratio Lower Upper
43 100
61 15.9 20.4 30.6#
87 11.0 10.7 16.1



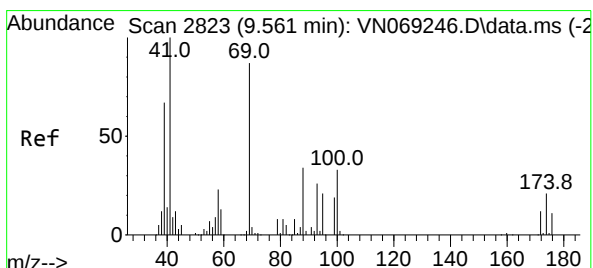
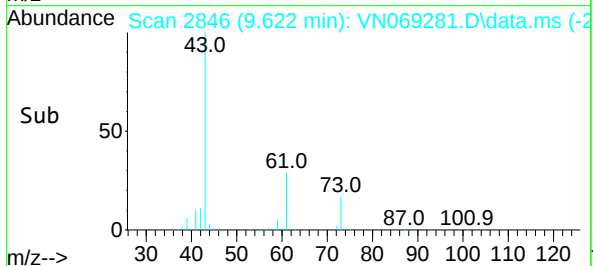
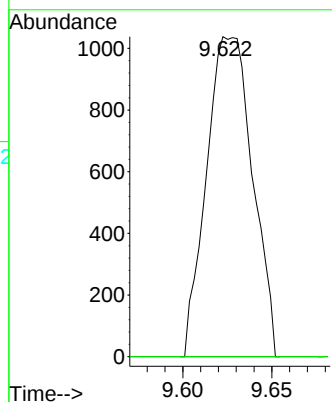
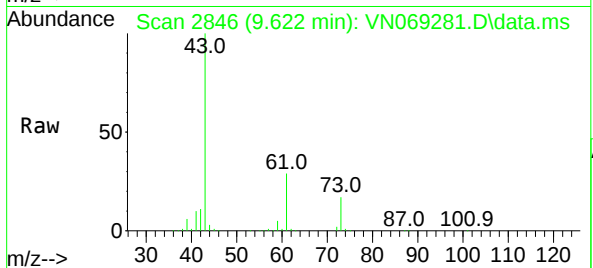


#45

1,2-Dichloropropane
Concen: 0.552 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.131 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

Instrument :
MSVOA_D
ClientSampled :

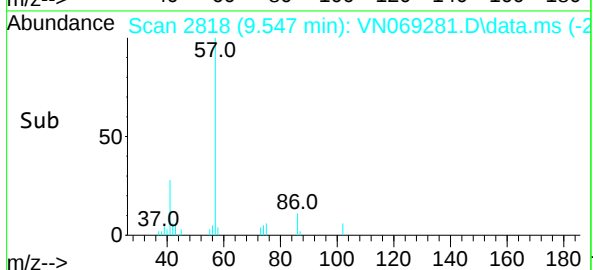
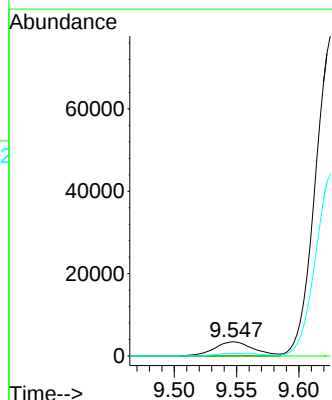
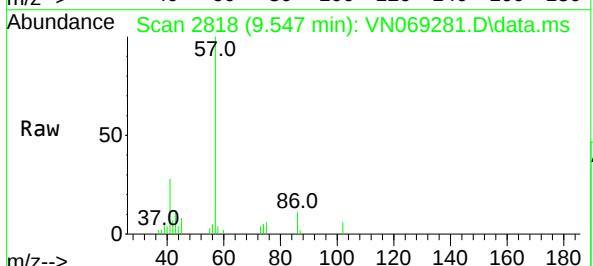
Tgt Ion: 63 Resp: 1868
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

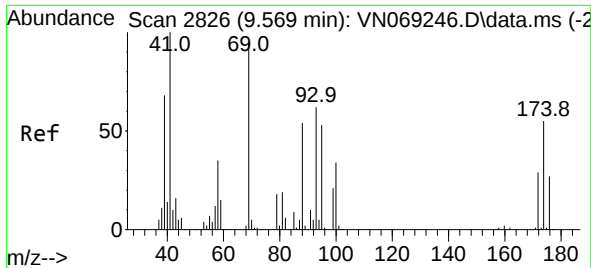


#48

Methyl methacrylate
Concen: 1.977 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

Tgt Ion: 41 Resp: 7509
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#

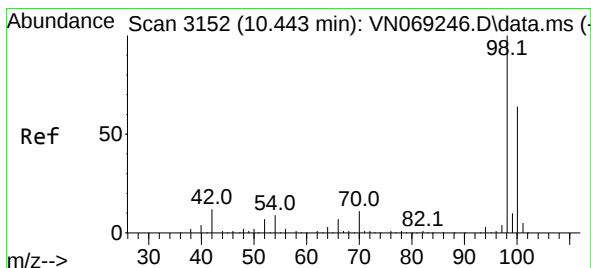
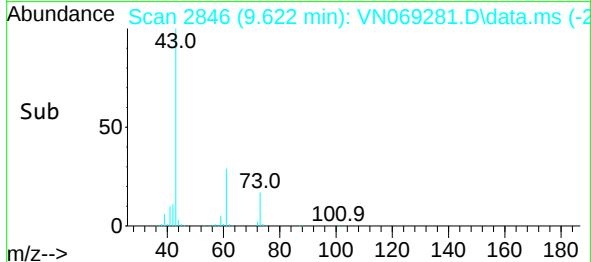
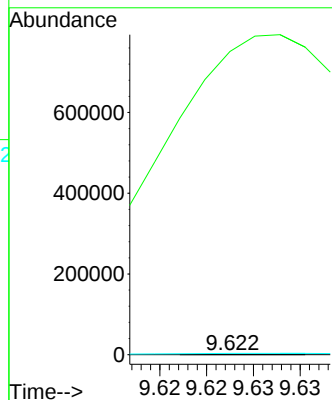
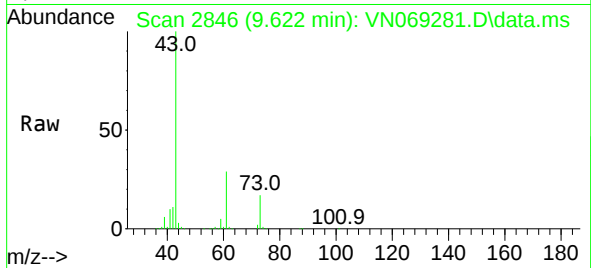




#49
1,4-Dioxane
Concen: 35.119 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.053 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

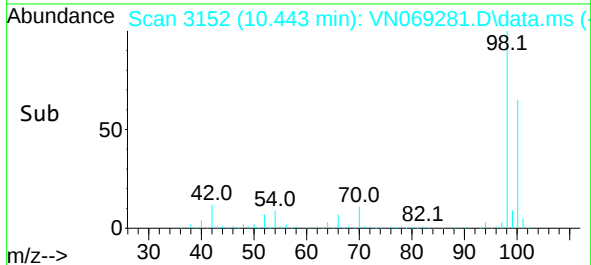
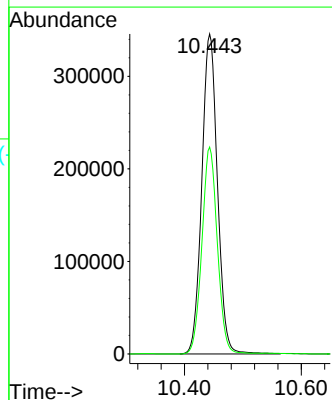
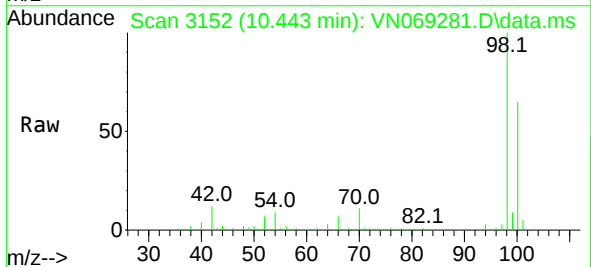
Instrument :
MSVOA_D
ClientSampled :

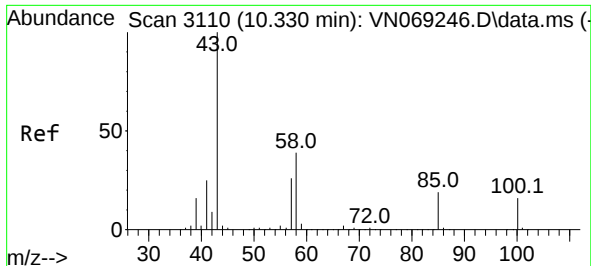
Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 6079312.0 24.9 37.3#
58 25480.0 56.9 85.3#



#50
Toluene-d8
Concen: 50.336 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

Tgt Ion: 98 Resp: 642521
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3

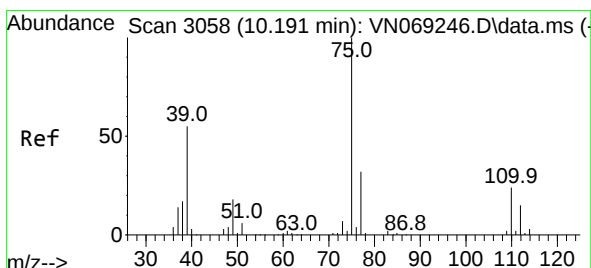
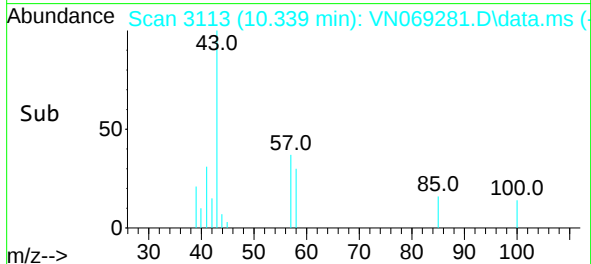
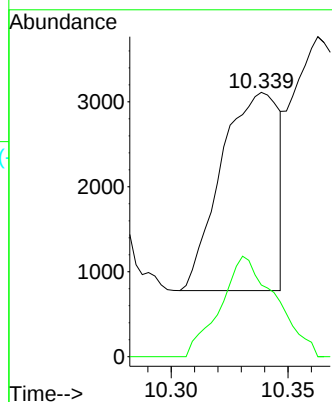
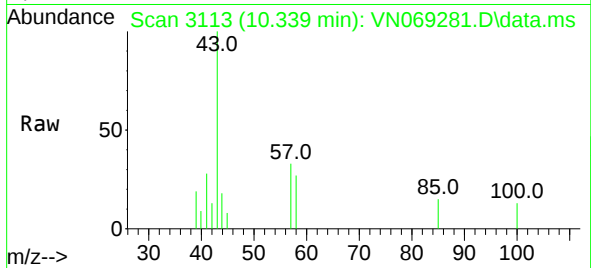




#51
4-Methyl-2-Pentanone
Concen: 7.085 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.009 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

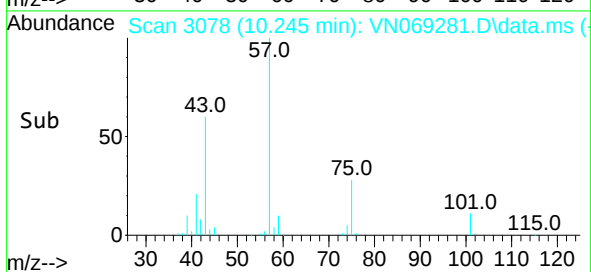
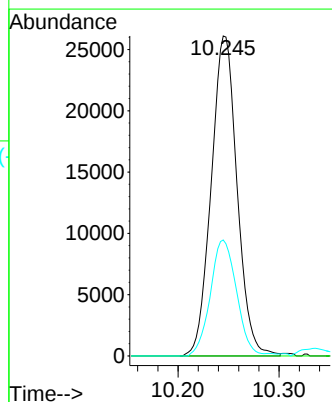
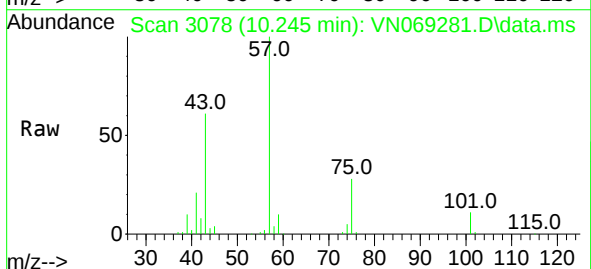
Instrument :
MSVOA_D
ClientSampleId :

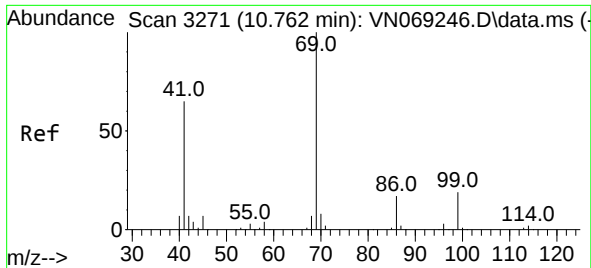
Tgt Ion: 43 Resp: 4001
Ion Ratio Lower Upper
43 100
58 48.6 31.0 46.4#



#54
cis-1,3-Dichloropropene
Concen: 8.956 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

Tgt Ion: 75 Resp: 46417
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#
39 36.2 42.9 64.3#

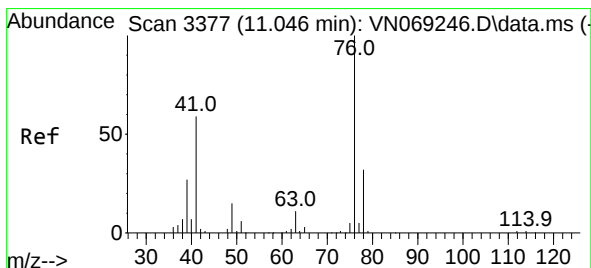
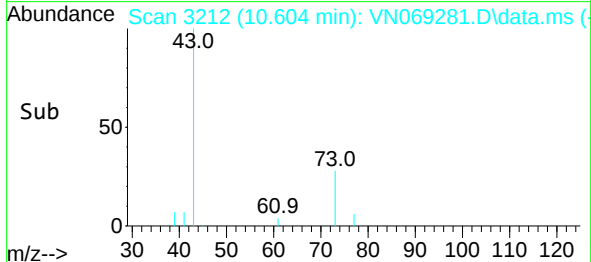
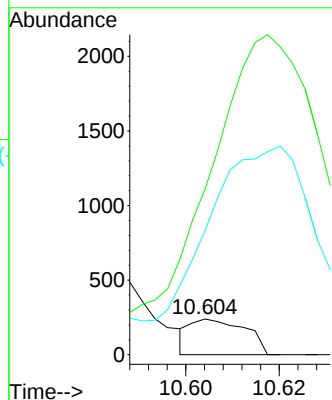
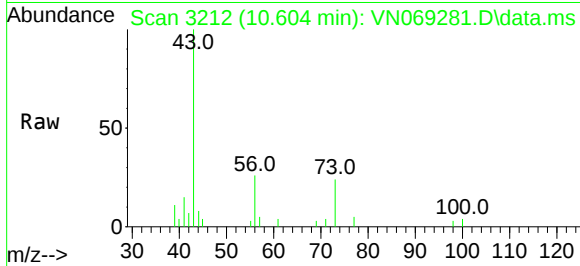




#56
Ethyl methacrylate
Concen: 1.713 ug/l
RT: 10.604 min Scan# 3212
Delta R.T. -0.158 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

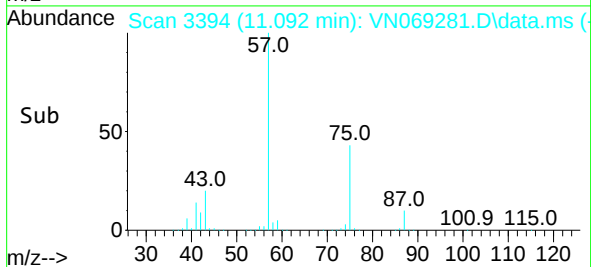
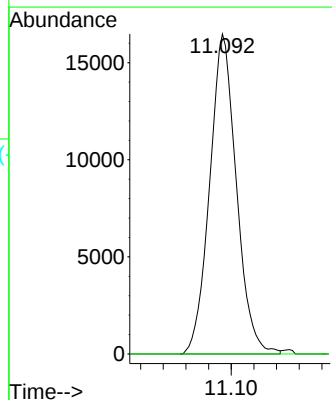
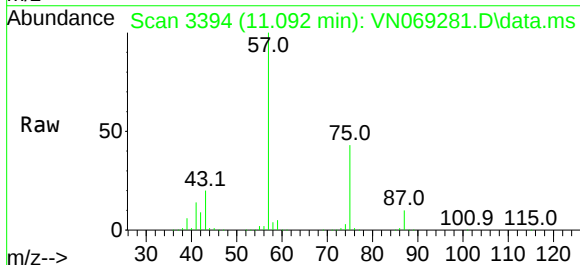
Instrument :
MSVOA_D
ClientSampleId :

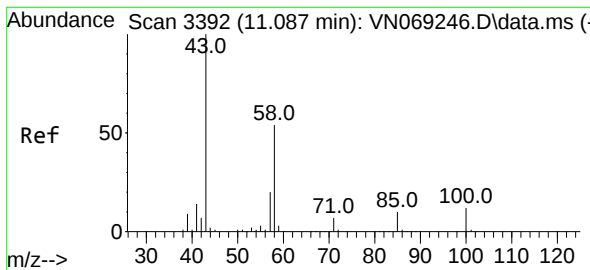
Tgt Ion: 69 Resp: 196
Ion Ratio Lower Upper
69 100
41 2060.2 53.3 79.9#
39 1237.2 33.3 49.9#



#57
1,3-Dichloropropane
Concen: 4.630 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

Tgt Ion: 76 Resp: 26985
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

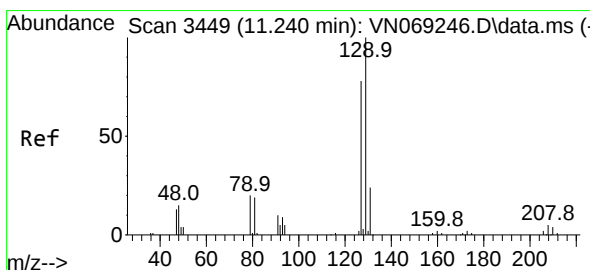
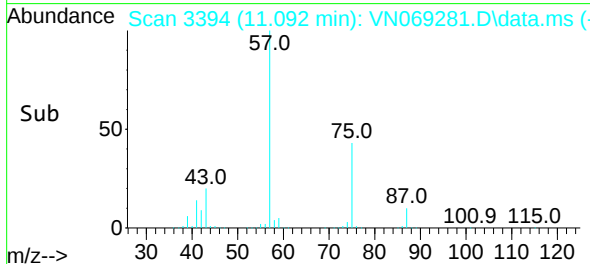
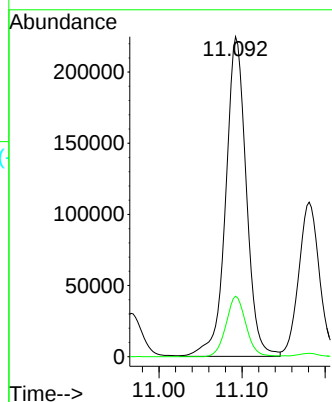
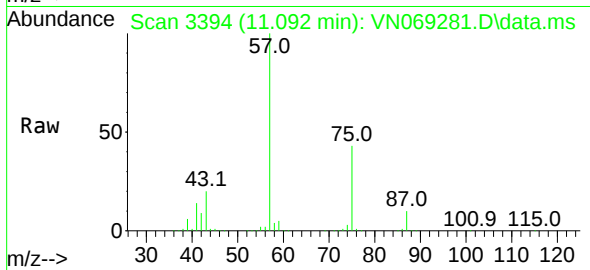




#59
2-Hexanone
Concen: 93.761 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

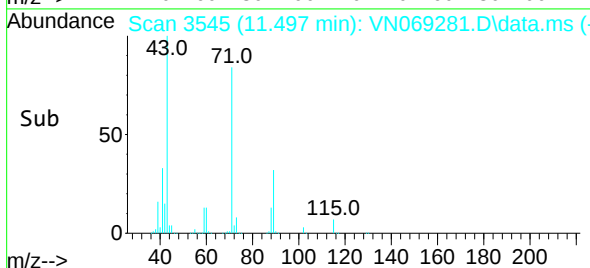
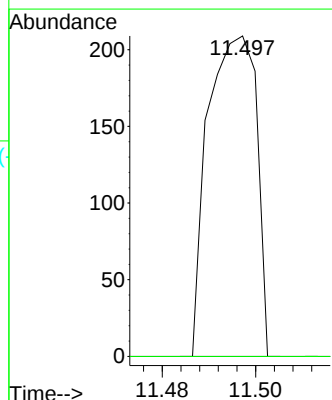
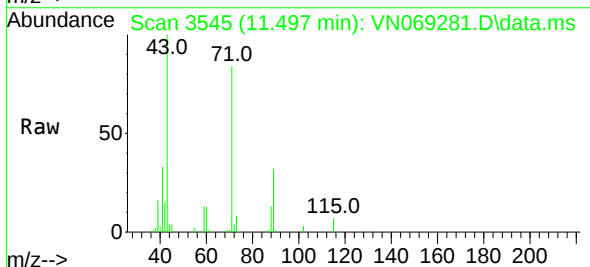
Instrument :
MSVOA_D
ClientSampled :

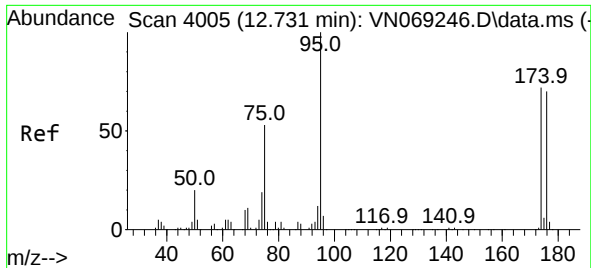
Tgt Ion: 43 Resp: 386935
Ion Ratio Lower Upper
43 100
58 18.4 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.011 ug/l
RT: 11.497 min Scan# 3545
Delta R.T. 0.257 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

Tgt Ion:129 Resp: 151
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#

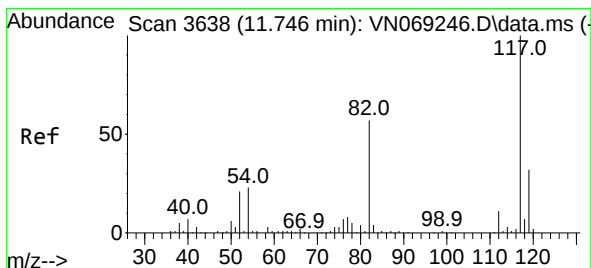
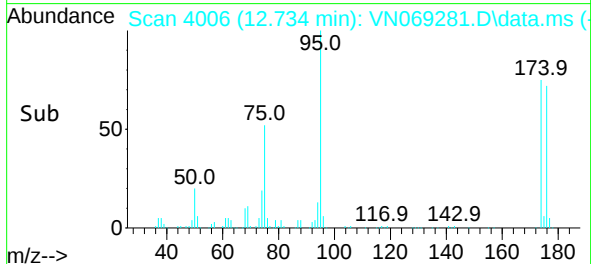
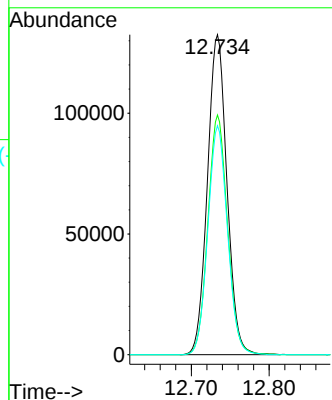
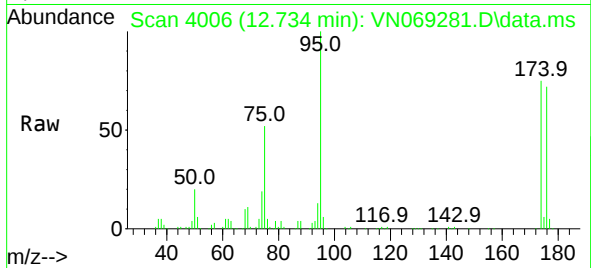




#62
4-Bromofluorobenzene
Concen: 47.964 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

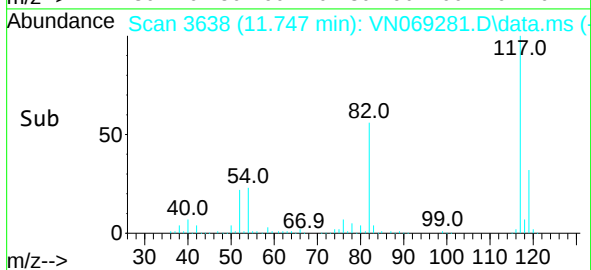
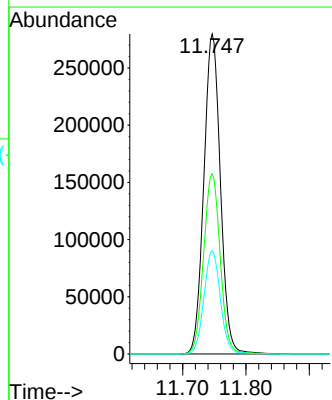
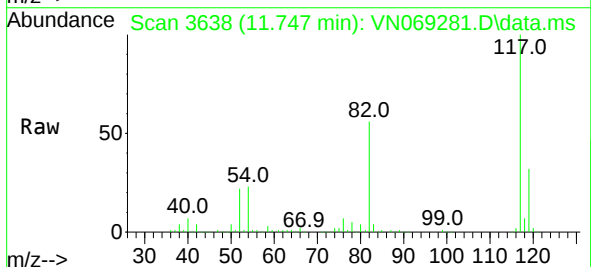
Instrument :
MSVOA_D
ClientSampleId :

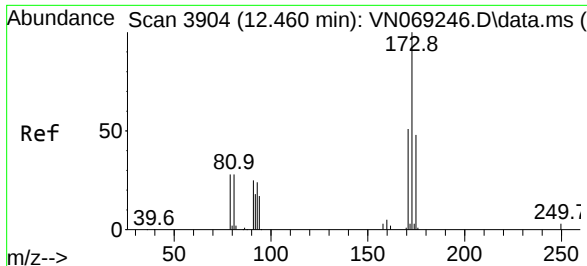
Tgt Ion: 95 Resp: 231034
Ion Ratio Lower Upper
95 100
174 75.4 0.0 144.8
176 71.9 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

Tgt Ion: 117 Resp: 507973
Ion Ratio Lower Upper
117 100
82 56.3 46.4 69.6
119 32.3 26.0 39.0

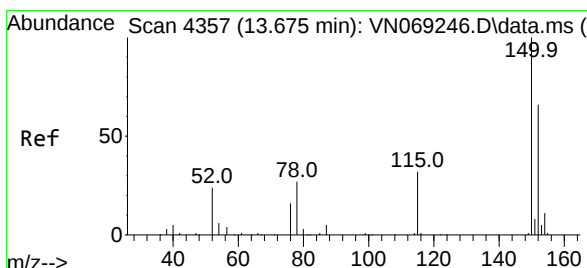
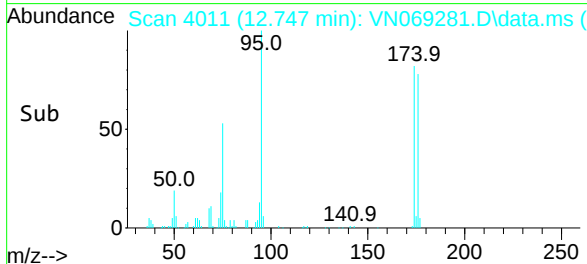
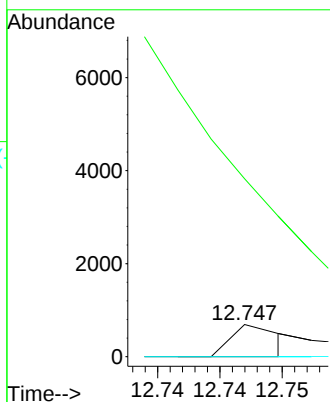
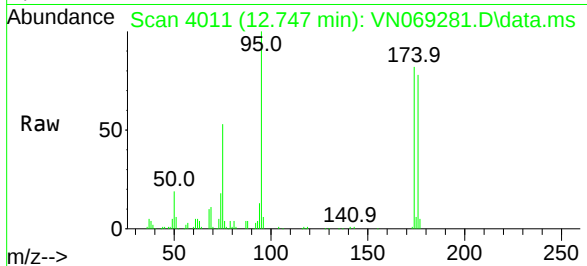




#71
Bromoform
Concen: 2.931 ug/l
RT: 12.747 min Scan# 4011
Delta R.T. 0.287 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

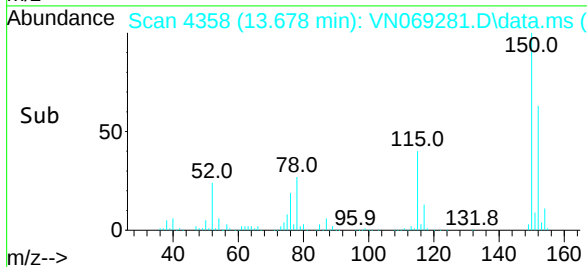
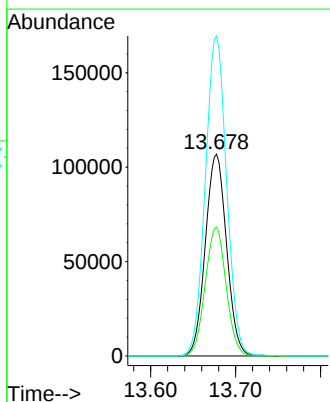
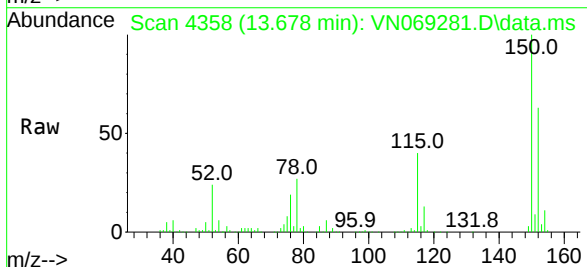
Instrument :
MSVOA_D
ClientSampleId :

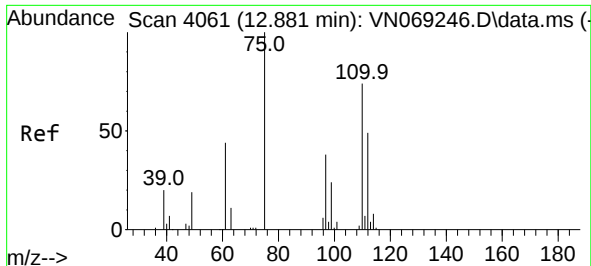
Tgt Ion:173 Resp: 192
Ion Ratio Lower Upper
173 100
175 6382.8 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

Tgt Ion:152 Resp: 186004
Ion Ratio Lower Upper
152 100
115 62.9 31.4 94.3
150 158.9 0.0 351.0

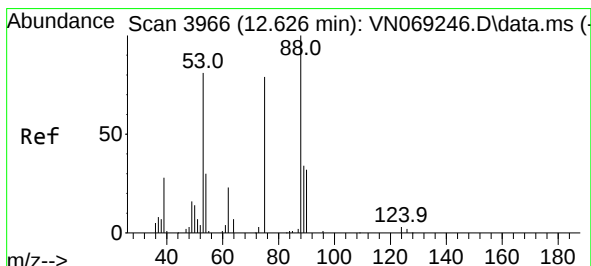
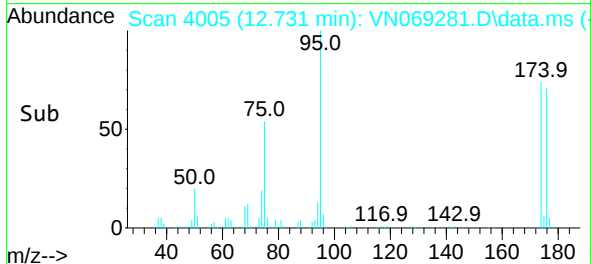
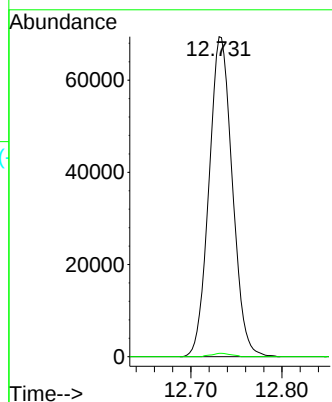
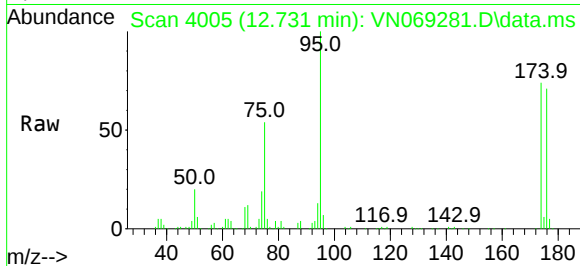




#76
1,2,3-Trichloropropane
Concen: 25.262 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

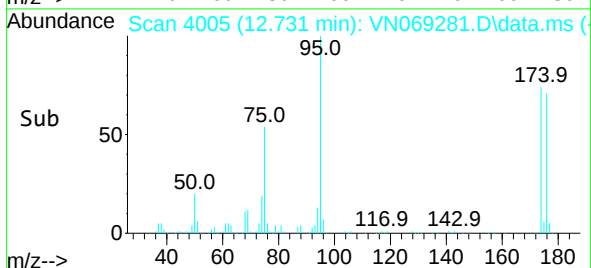
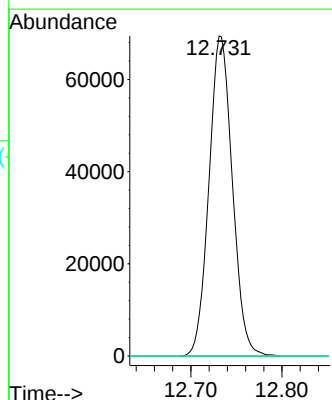
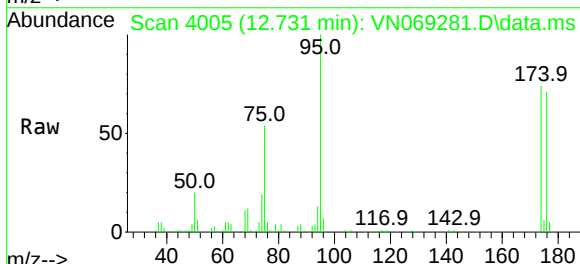
Instrument :
MSVOA_D
ClientSampleId :

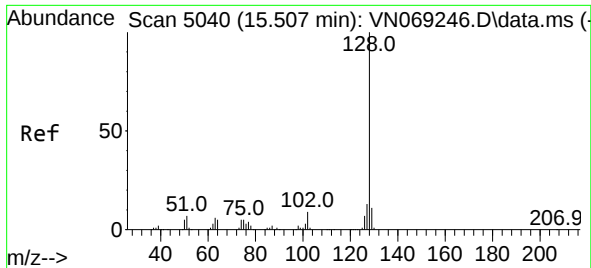
Tgt Ion: 75 Resp: 123585
Ion Ratio Lower Upper
75 100
77 0.9 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.311 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

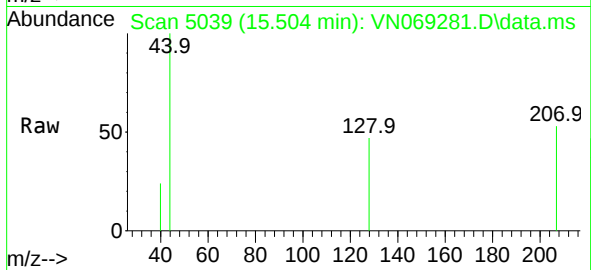
Tgt Ion: 75 Resp: 123585
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.335 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN069281.D
Acq: 29 Oct 2021 5:35

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 275
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

