

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069724.D
 Acq On : 3 Dec 2021 17:46
 Operator : JC/MD
 Sample : M4922-20
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 04 05:34:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

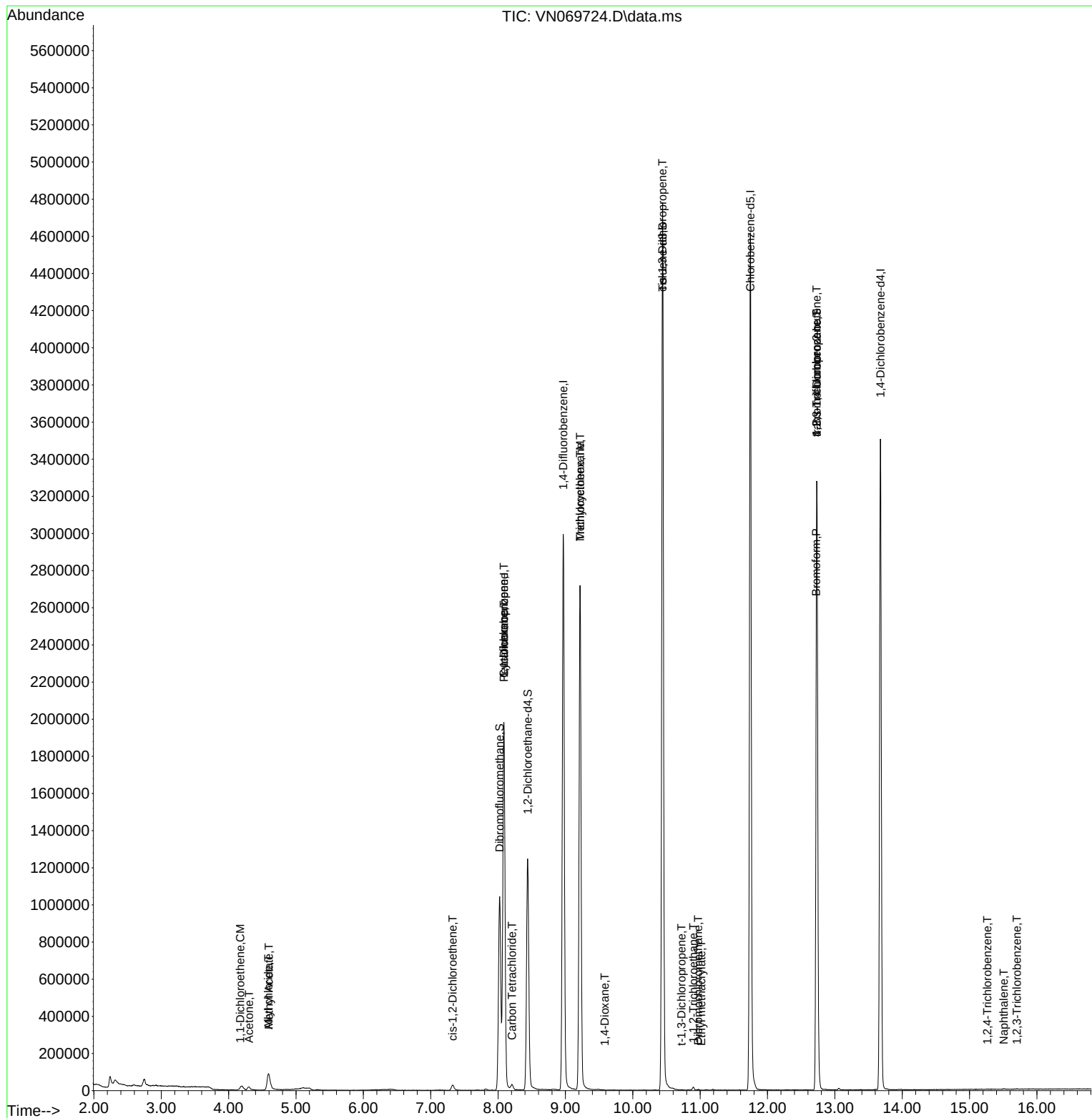
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	1467939	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2534788	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2575243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	947116	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1090233	48.102	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.200%
35) Dibromofluoromethane	8.024	113	759139	47.813	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.620%
50) Toluene-d8	10.443	98	3235050	50.744	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.480%
62) 4-Bromofluorobenzene	12.731	95	1175835	50.910	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	101.820%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.173	96	6858	0.490	ug/l #	90
14) Allyl chloride	4.588	41	15340	0.487	ug/l #	72
16) Acetone	4.301	43	30436	2.232	ug/l #	89
18) Methyl Acetate	4.596	43	41568	1.010	ug/l #	51
27) cis-1,2-Dichloroethene	7.327	96	9229	0.503	ug/l	94
31) Cyclohexane	8.086	56	38868	1.232	ug/l #	23
36) 1,1-Dichloropropene	8.086	75	127691	5.292	ug/l #	48
38) Carbon Tetrachloride	8.206	117	16896	0.714	ug/l	94
39) Methylcyclohexane	9.217	83	13333	0.465	ug/l #	1
44) Trichloroethene	9.217	130	957891	54.412	ug/l	92
49) 1,4-Dioxane	9.582	88	198	0.445	ug/l #	60
53) t-1,3-Dichloropropene	10.725	75	52	2.796	ug/l #	1
54) cis-1,3-Dichloropropene	10.440	75	786	2.023	ug/l #	1
55) 1,1,2-Trichloroethane	10.899	97	4641	0.255	ug/l	96
56) Ethyl methacrylate	11.014	69	114	2.282	ug/l #	1
60) Dibromochloromethane	10.971	129	292	2.390	ug/l #	11
71) Bromoform	12.723	173	1514	2.822	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	657027	24.190	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	657027	76.802	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	312	2.897	ug/l #	10
95) Naphthalene	15.507	128	1952	4.024	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.702	180	289	2.454	ug/l #	35

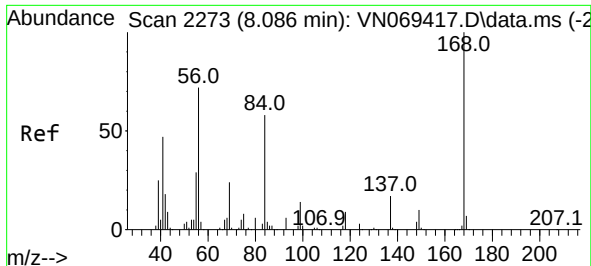
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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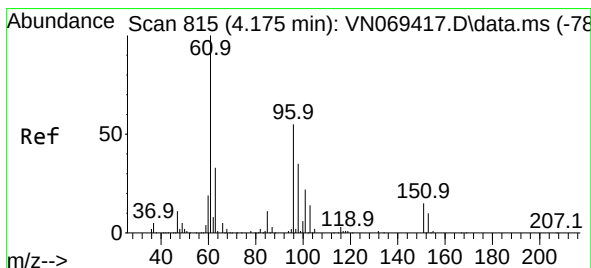
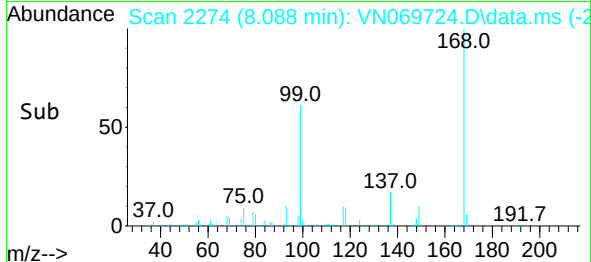
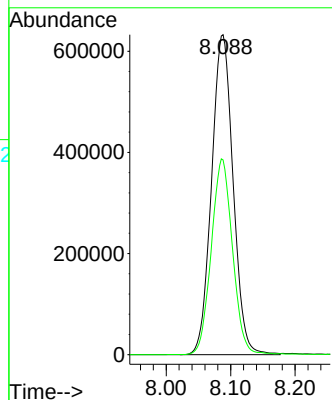
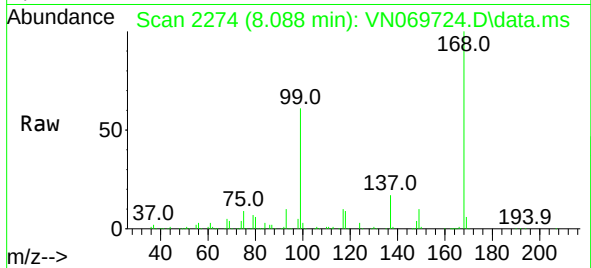




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069724.D
Acq: 3 Dec 2021 17:46

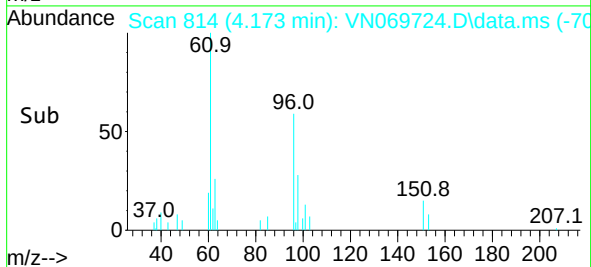
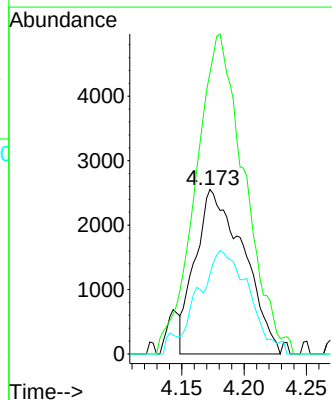
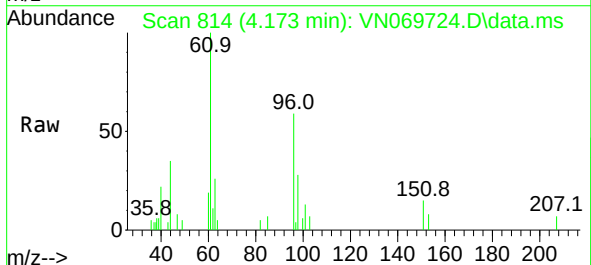
Instrument :
MSVOA_N
ClientSampleId :

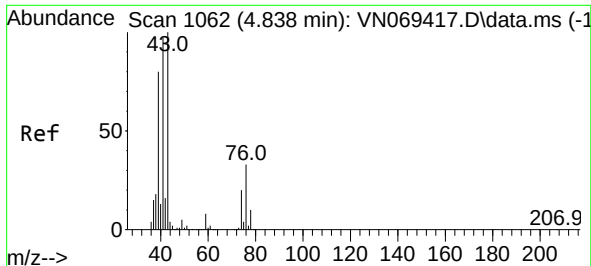
Tgt Ion:168 Resp: 1467939
Ion Ratio Lower Upper
168 100
99 60.8 41.3 61.9



#12
1,1-Dichloroethene
Concen: 0.490 ug/l
RT: 4.173 min Scan# 814
Delta R.T. -0.003 min
Lab File: VN069724.D
Acq: 3 Dec 2021 17:46

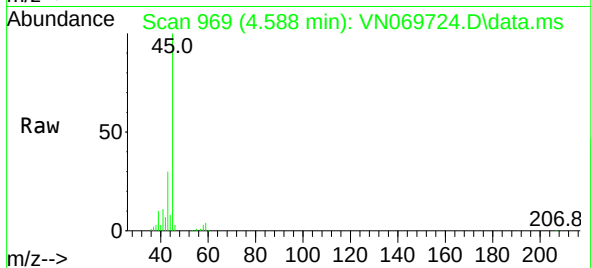
Tgt Ion: 96 Resp: 6858
Ion Ratio Lower Upper
96 100
61 161.5 131.0 196.6
98 41.1 52.4 78.6#



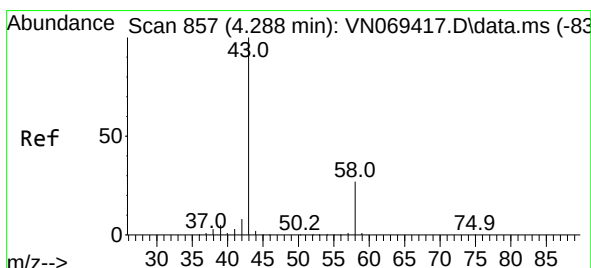
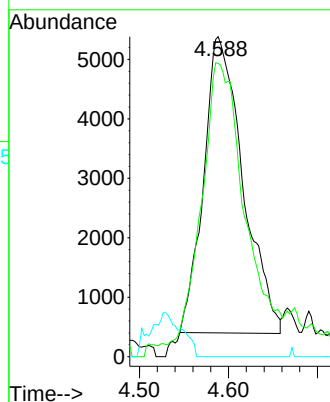
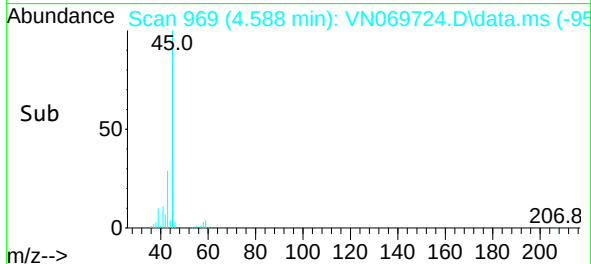


#14
 Allyl chloride
 Concen: 0.487 ug/l
 RT: 4.588 min Scan# 91
 Delta R.T. -0.249 min
 Lab File: VN069724.D
 Acq: 3 Dec 2021 17:46

Instrument :
 MSVOA_N
 ClientSampleId :

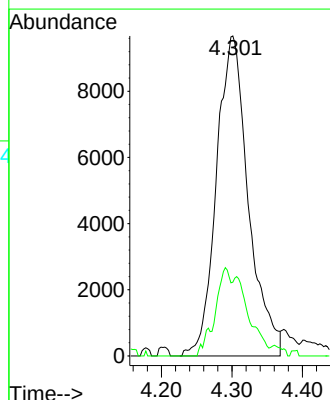
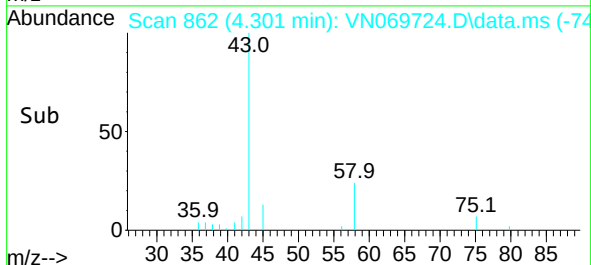
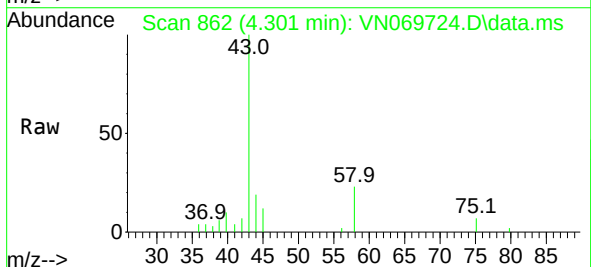


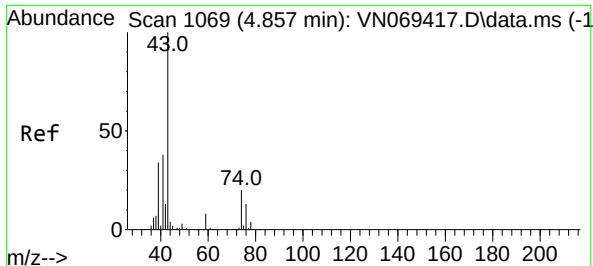
Tgt Ion: 41 Resp: 15340
 Ion Ratio Lower Upper
 41 100
 39 89.9 61.2 91.8
 76 0.0 26.0 39.0#



#16
 Acetone
 Concen: 2.232 ug/l
 RT: 4.301 min Scan# 862
 Delta R.T. 0.011 min
 Lab File: VN069724.D
 Acq: 3 Dec 2021 17:46

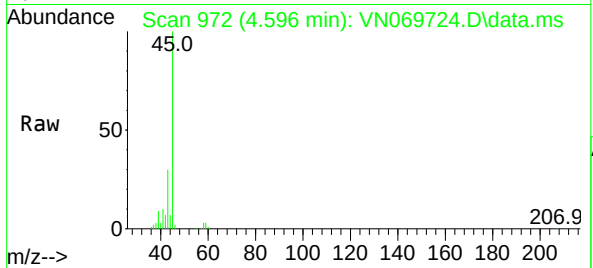
Tgt Ion: 43 Resp: 30436
 Ion Ratio Lower Upper
 43 100
 58 23.0 23.1 34.7#



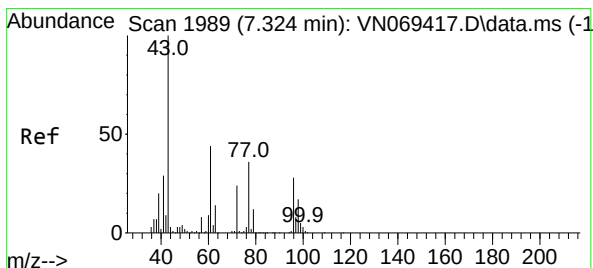
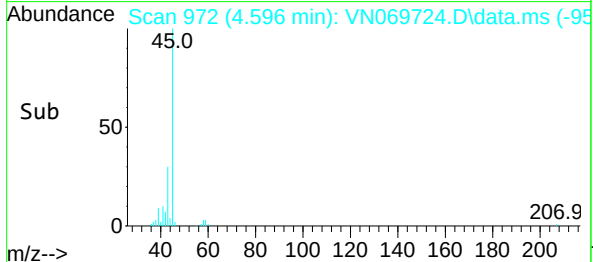
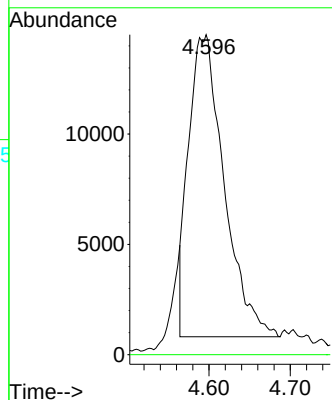


#18
Methyl Acetate
Concen: 1.010 ug/l
RT: 4.596 min Scan# 91
Delta R.T. -0.260 min
Lab File: VN069724.D
Acq: 3 Dec 2021 17:46

Instrument :
MSVOA_N
ClientSampleId :

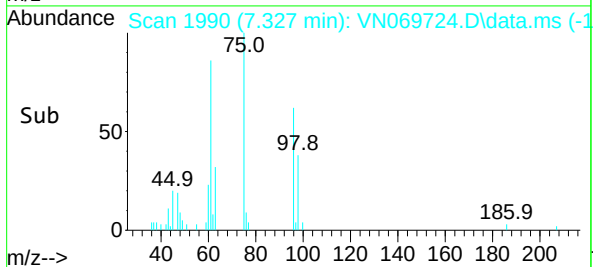
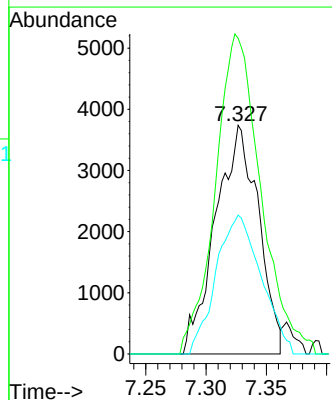
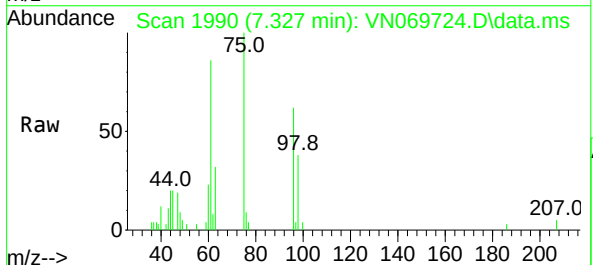


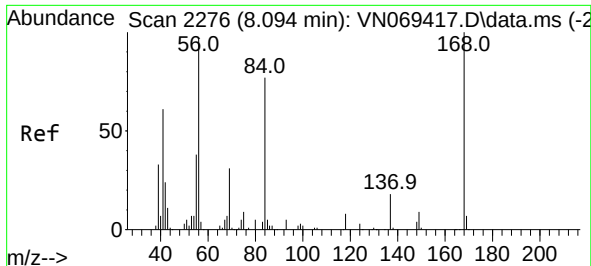
Tgt Ion: 43 Resp: 41568
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 0.503 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. 0.000 min
Lab File: VN069724.D
Acq: 3 Dec 2021 17:46

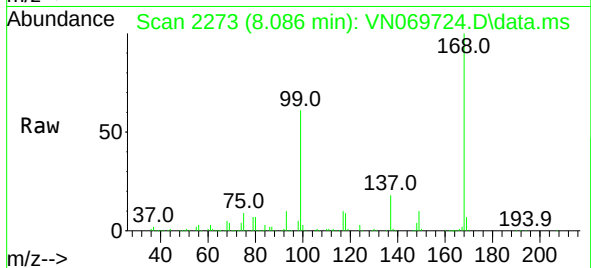
Tgt Ion: 96 Resp: 9229
Ion Ratio Lower Upper
96 100
61 148.2 0.0 275.0
98 63.8 0.0 129.6



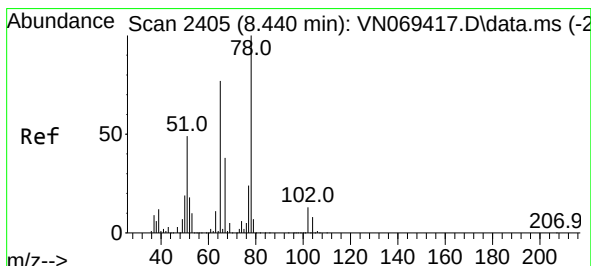
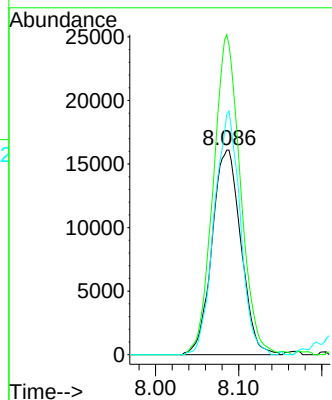
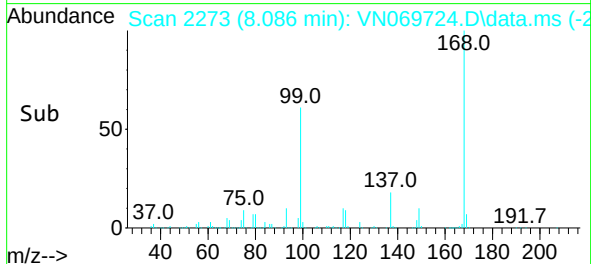


#31
Cyclohexane
Concen: 1.232 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069724.D
Acq: 3 Dec 2021 17:46

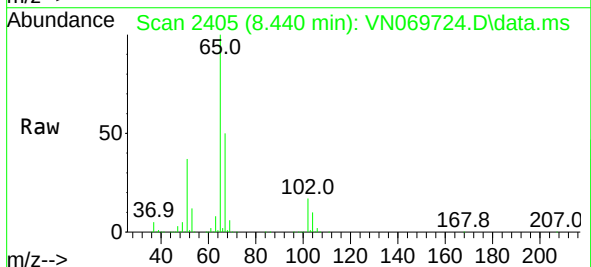
Instrument :
MSVOA_N
ClientSampleId :



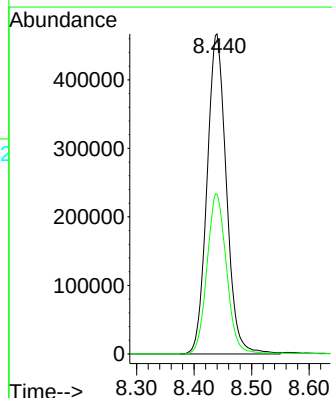
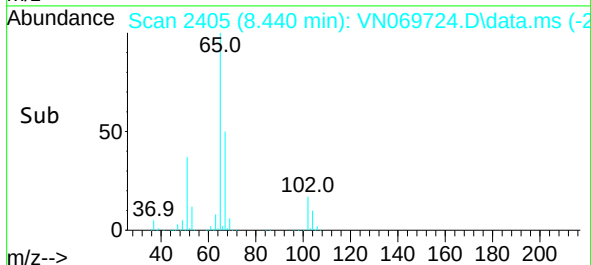
Tgt Ion: 56 Resp: 38868
Ion Ratio Lower Upper
56 100
69 156.4 27.1 40.7#
84 117.4 73.4 110.0#

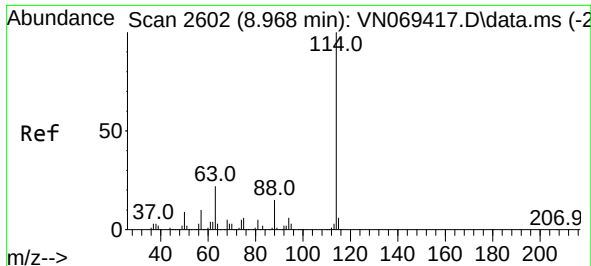


#33
1,2-Dichloroethane-d4
Concen: 48.102 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069724.D
Acq: 3 Dec 2021 17:46



Tgt Ion: 65 Resp: 1090233
Ion Ratio Lower Upper
65 100
67 50.3 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2

Delta R.T. -0.000 min

Lab File: VN069724.D

Acq: 3 Dec 2021 17:46

Instrument :

MSVOA_N

ClientSampleId :

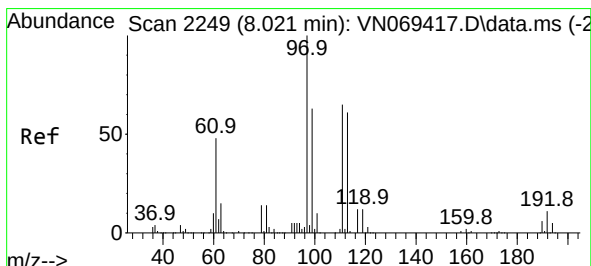
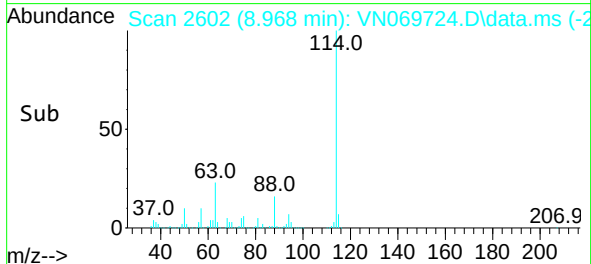
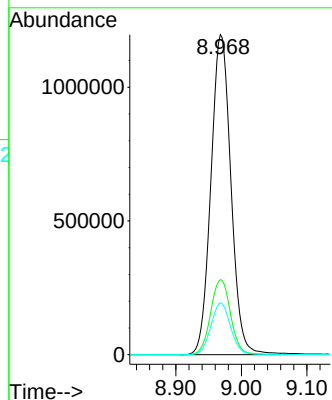
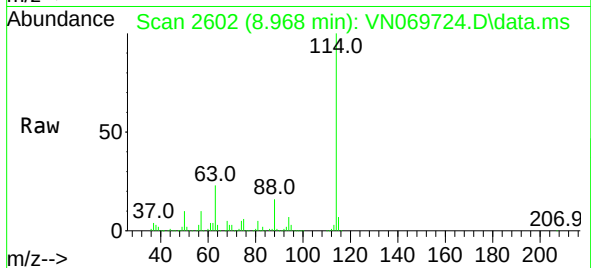
Tgt Ion:114 Resp: 2534788

Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

88 16.2 0.0 27.4



#35

Dibromofluoromethane

Concen: 47.813 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.000 min

Lab File: VN069724.D

Acq: 3 Dec 2021 17:46

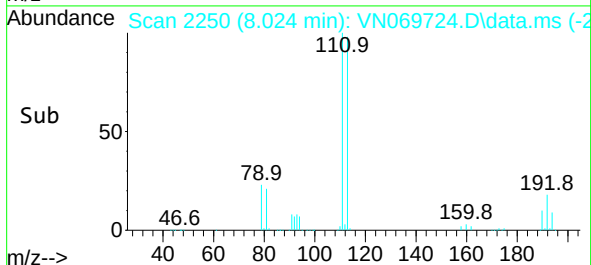
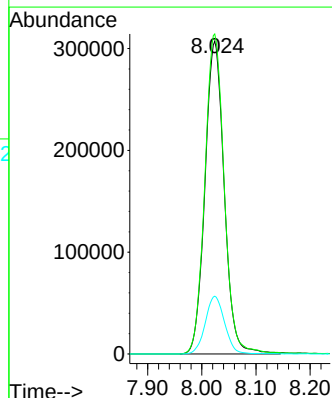
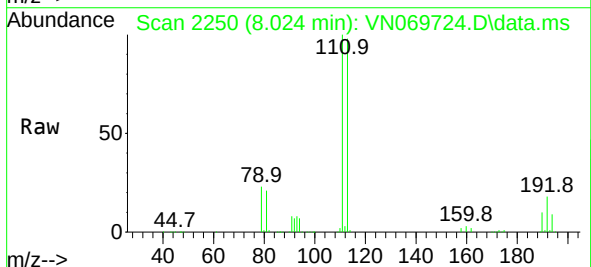
Tgt Ion:113 Resp: 759139

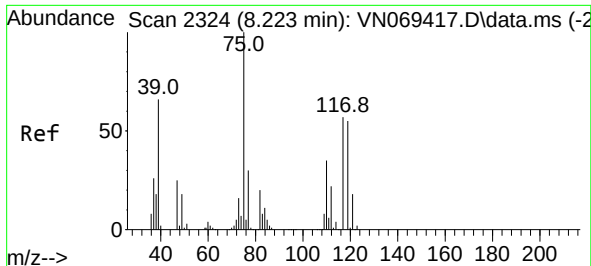
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.2

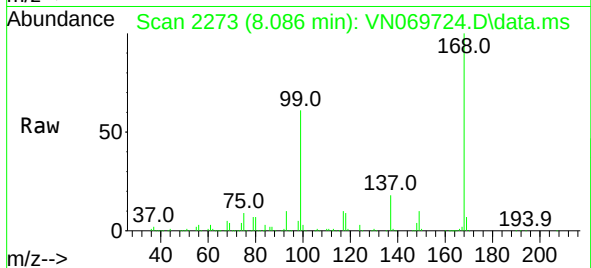
192 18.5 16.9 25.3



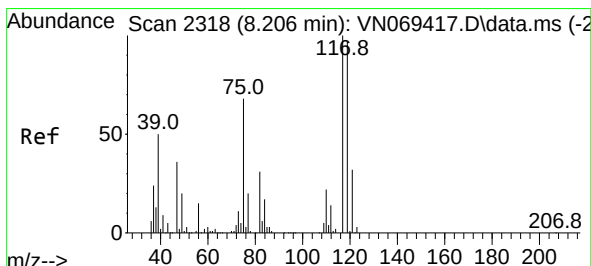
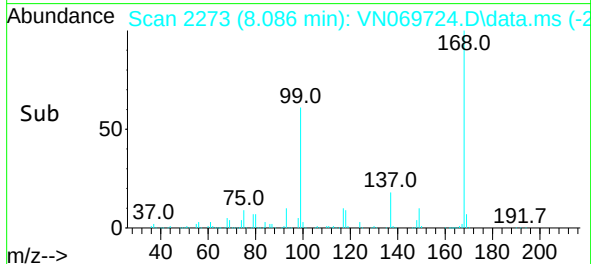
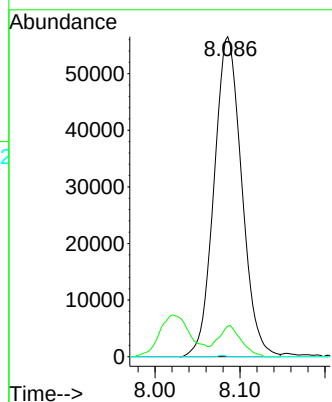


#36
1,1-Dichloropropene
Concen: 5.292 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN069724.D
Acq: 3 Dec 2021 17:46

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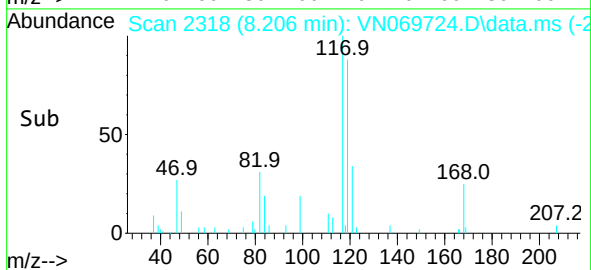
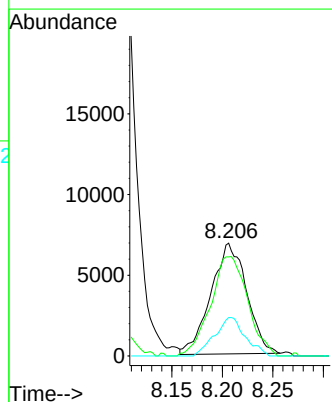
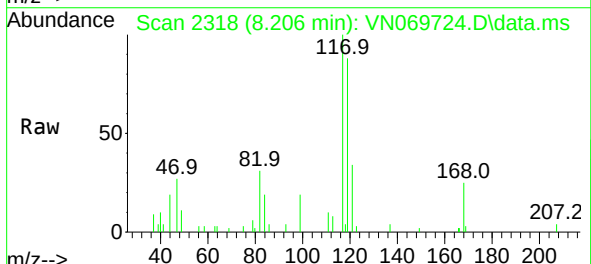


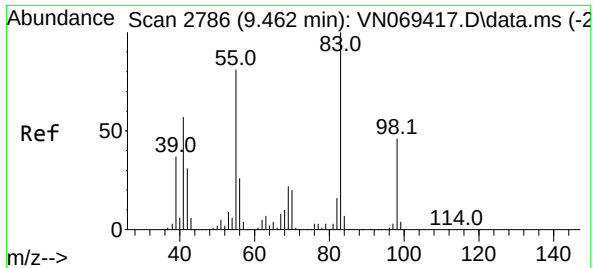
Tgt Ion: 75 Resp: 127691
Ion Ratio Lower Upper
75 100
110 8.1 18.4 55.2#
77 0.1 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 0.714 ug/l
RT: 8.206 min Scan# 2318
Delta R.T. 0.000 min
Lab File: VN069724.D
Acq: 3 Dec 2021 17:46

Tgt Ion: 117 Resp: 16896
Ion Ratio Lower Upper
117 100
119 90.0 76.1 114.1
121 34.9 24.2 36.2

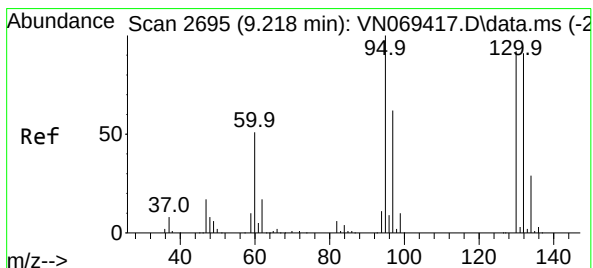
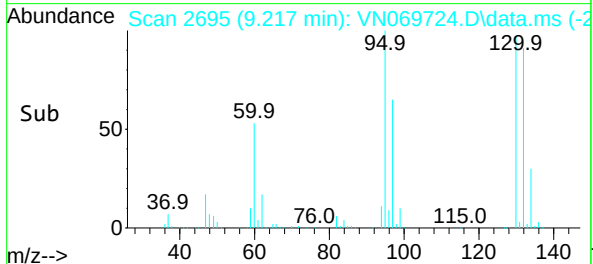
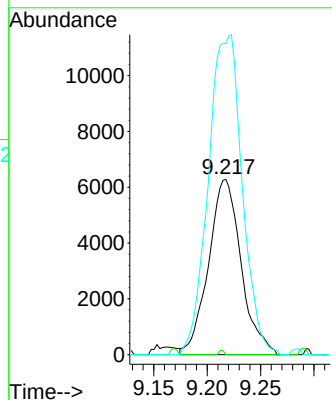
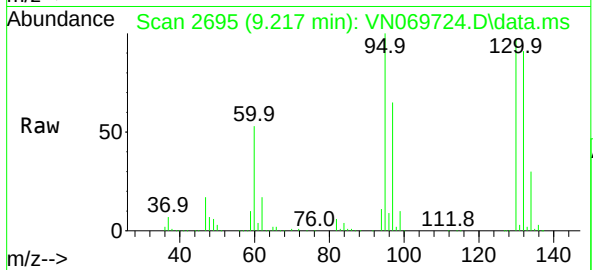




#39
Methylcyclohexane
Concen: 0.465 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. -0.244 min
Lab File: VN069724.D
Acq: 3 Dec 2021 17:46

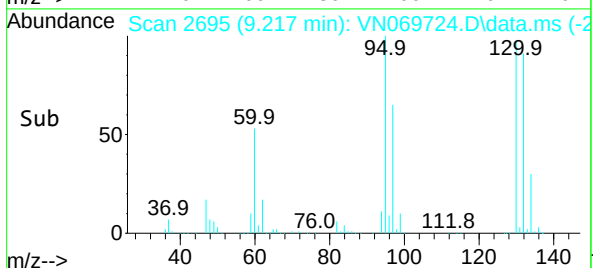
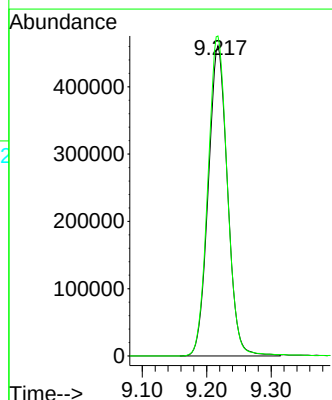
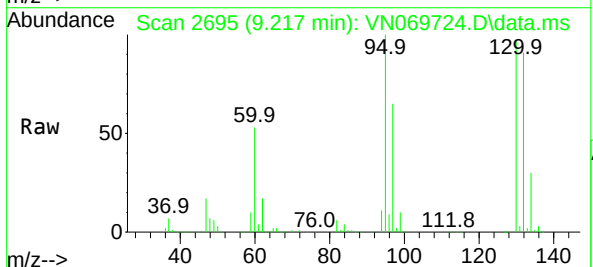
Instrument :
MSVOA_N
ClientSampleId :

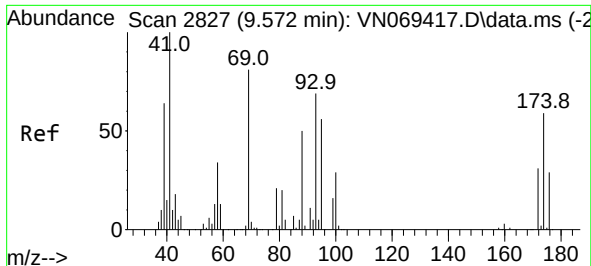
Tgt Ion: 83 Resp: 13333
Ion Ratio Lower Upper
83 100
55 0.0 58.1 87.1#
98 177.5 38.4 57.6#



#44
Trichloroethene
Concen: 54.412 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN069724.D
Acq: 3 Dec 2021 17:46

Tgt Ion:130 Resp: 957891
Ion Ratio Lower Upper
130 100
95 103.1 0.0 191.2





#49

1,4-Dioxane

Concen: 0.445 ug/l

RT: 9.582 min Scan# 21

Delta R.T. 0.011 min

Lab File: VN069724.D

Acq: 3 Dec 2021 17:46

Instrument :

MSVOA_N

ClientSampleId :

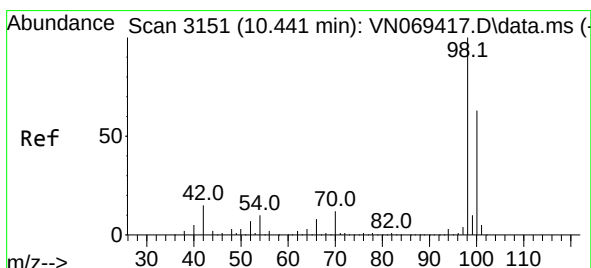
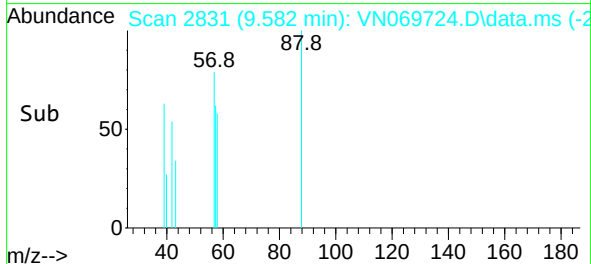
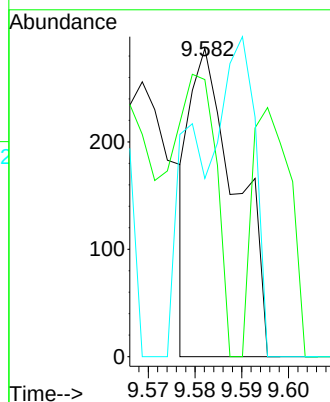
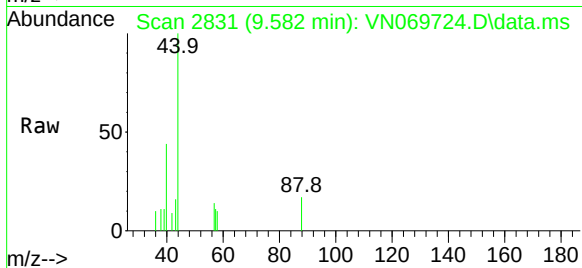
Tgt Ion: 88 Resp: 198

Ion Ratio Lower Upper

88 100

43 74.2 23.4 35.2#

58 48.0 50.6 75.8#



#50

Toluene-d8

Concen: 50.744 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN069724.D

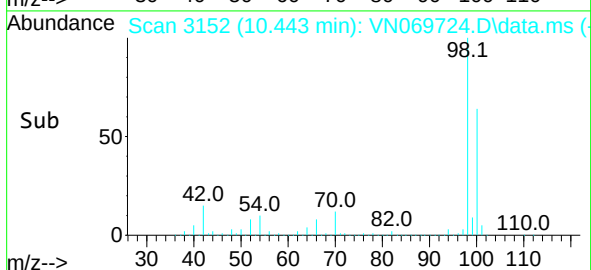
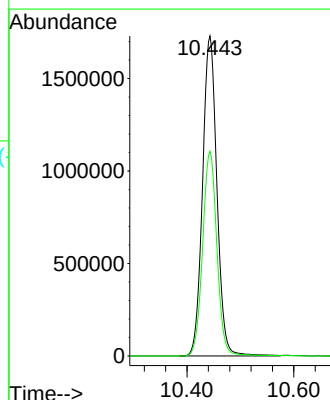
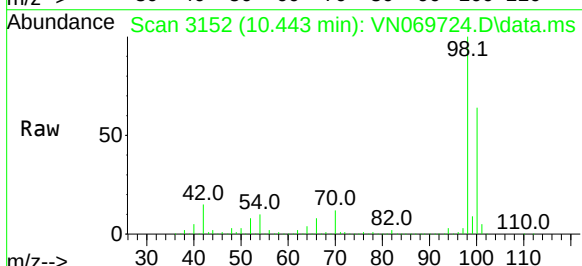
Acq: 3 Dec 2021 17:46

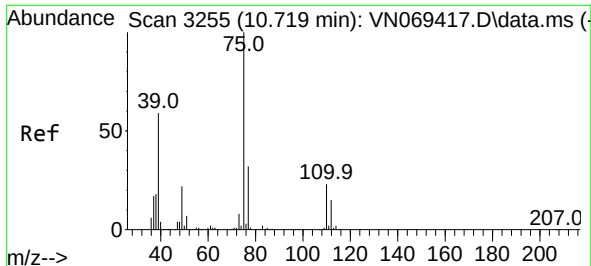
Tgt Ion: 98 Resp: 3235050

Ion Ratio Lower Upper

98 100

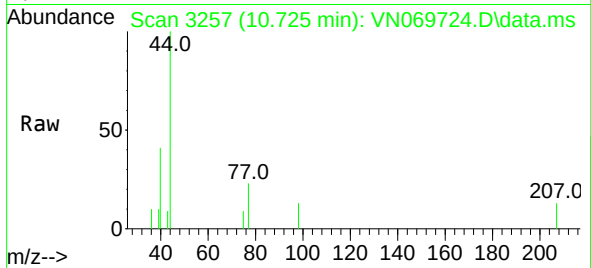
100 63.6 50.4 75.6



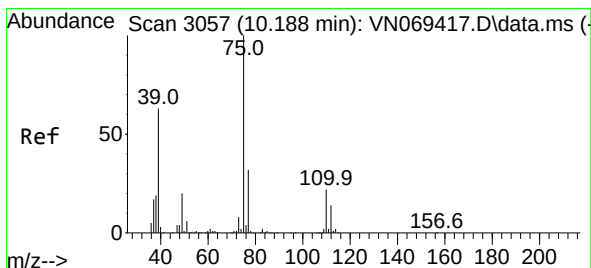
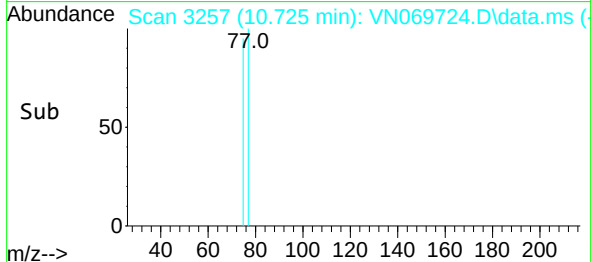
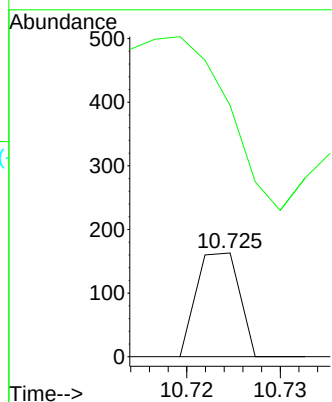


#53
 t-1,3-Dichloropropene
 Concen: 2.796 ug/l
 RT: 10.725 min Scan# 3151
 Delta R.T. 0.006 min
 Lab File: VN069724.D
 Acq: 3 Dec 2021 17:46

Instrument :
 MSVOA_N
 ClientSampleId :

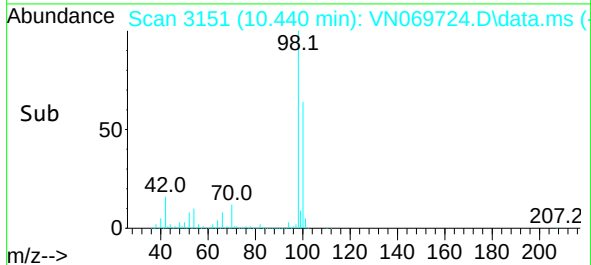
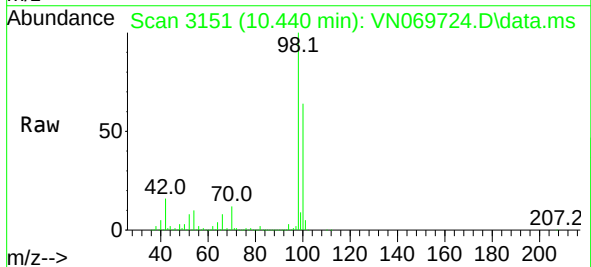
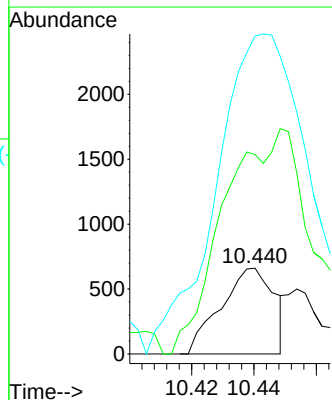


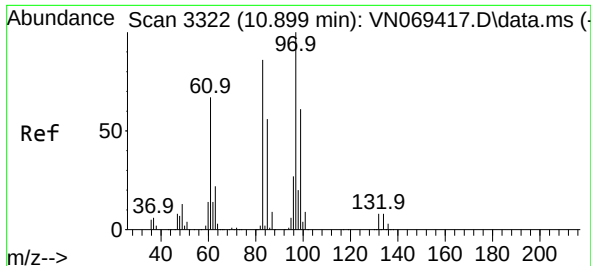
Tgt Ion: 75 Resp: 52
 Ion Ratio Lower Upper
 75 100
 77 101.2 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 2.023 ug/l
 RT: 10.440 min Scan# 3151
 Delta R.T. 0.249 min
 Lab File: VN069724.D
 Acq: 3 Dec 2021 17:46

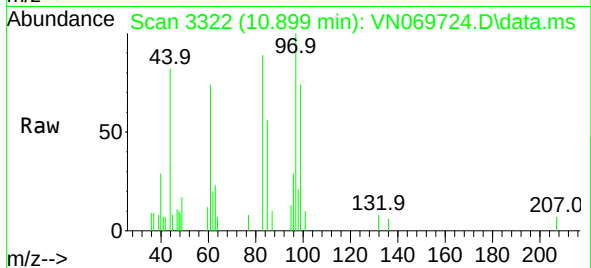
Tgt Ion: 75 Resp: 786
 Ion Ratio Lower Upper
 75 100
 77 205.4 26.4 39.6#
 39 299.4 42.5 63.7#



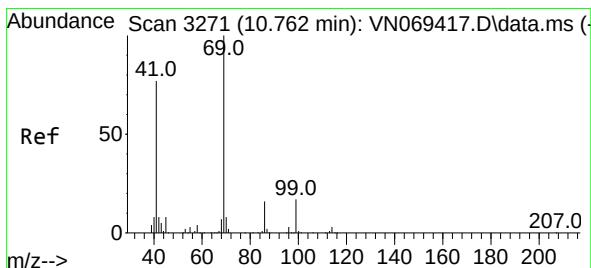
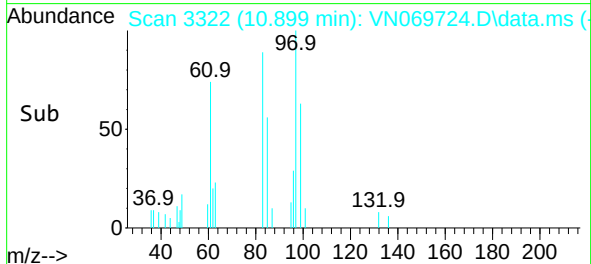
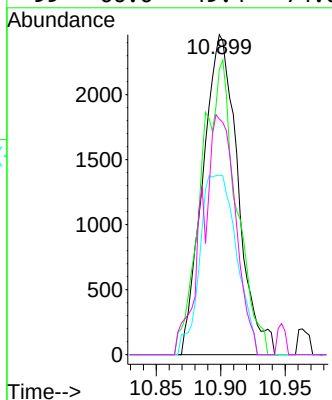


#55
1,1,2-Trichloroethane
Concen: 0.255 ug/l
RT: 10.899 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069724.D
Acq: 3 Dec 2021 17:46

Instrument :
MSVOA_N
ClientSampleId :

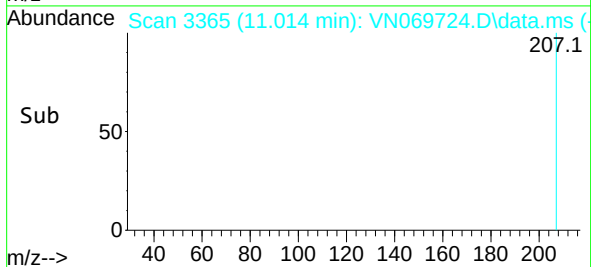
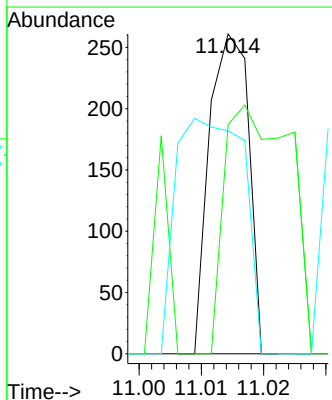
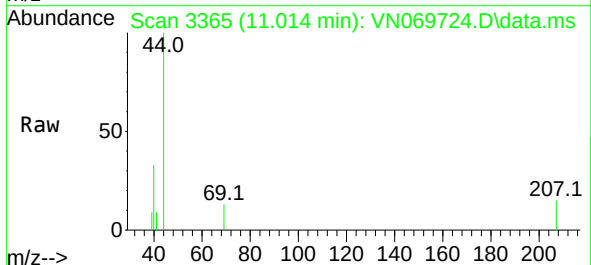


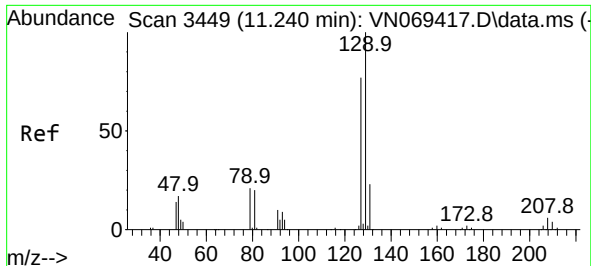
Tgt Ion:	97	Resp:	4641
Ion	Ratio	Lower	Upper
97	100		
83	89.2	67.8	101.6
85	56.1	45.4	68.2
99	66.6	49.4	74.0



#56
Ethyl methacrylate
Concen: 2.282 ug/l
RT: 11.014 min Scan# 3365
Delta R.T. 0.252 min
Lab File: VN069724.D
Acq: 3 Dec 2021 17:46

Tgt Ion:	69	Resp:	114
Ion	Ratio	Lower	Upper
69	100		
41	129.8	51.4	77.0#
39	128.1	34.6	52.0#

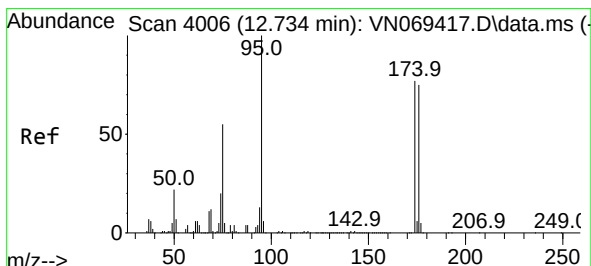
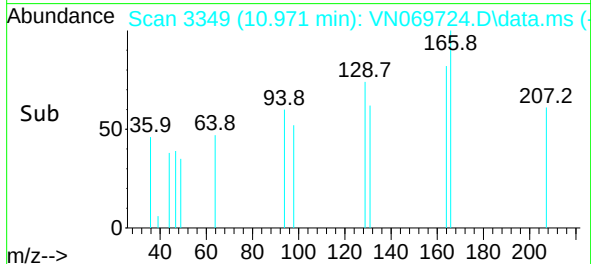
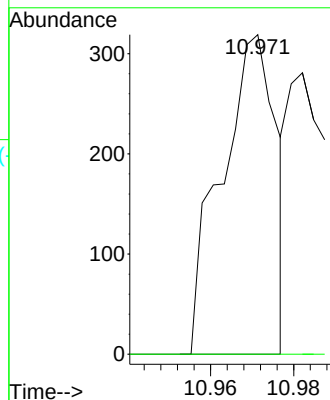
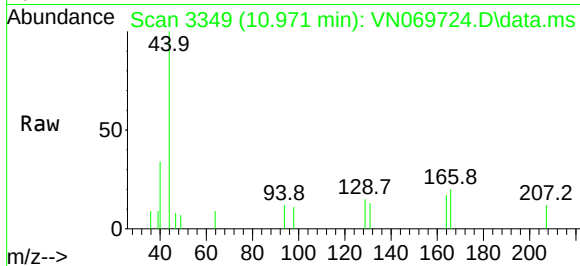




#60
Dibromochloromethane
Concen: 2.390 ug/l
RT: 10.971 min Scan# 31
Delta R.T. -0.269 min
Lab File: VN069724.D
Acq: 3 Dec 2021 17:46

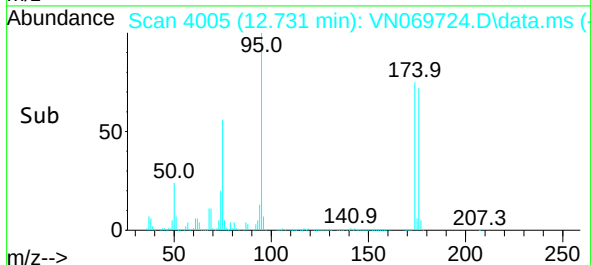
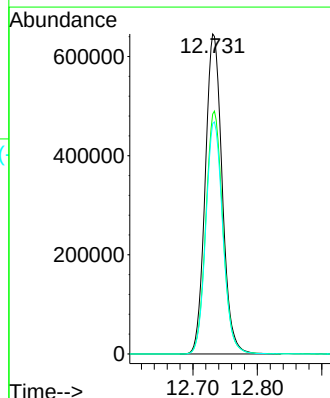
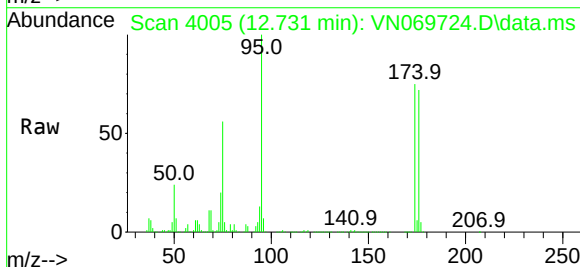
Instrument :
MSVOA_N
ClientSampleId :

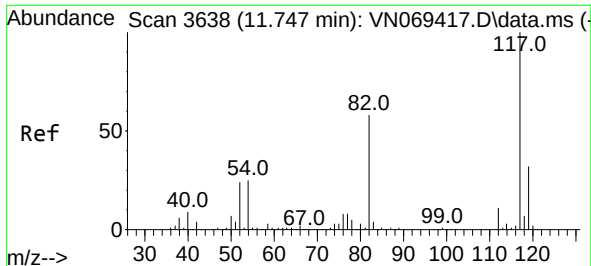
Tgt Ion:129 Resp: 292
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 50.910 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069724.D
Acq: 3 Dec 2021 17:46

Tgt Ion: 95 Resp: 1175835
Ion Ratio Lower Upper
95 100
174 76.1 0.0 187.2
176 72.9 0.0 181.4

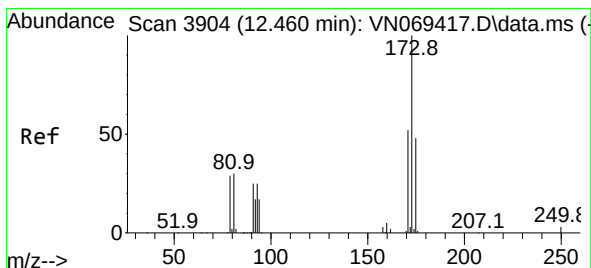
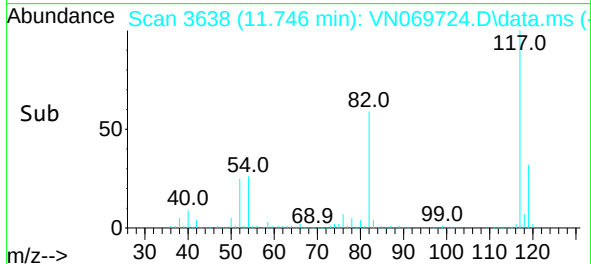
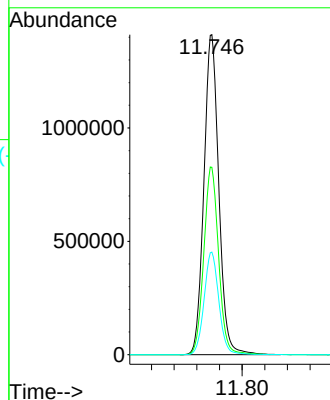
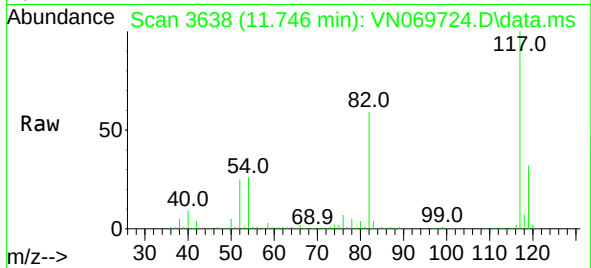




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN069724.D
Acq: 3 Dec 2021 17:46

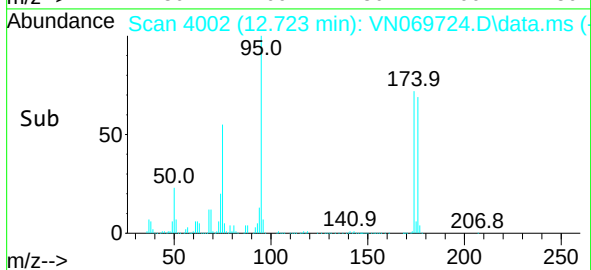
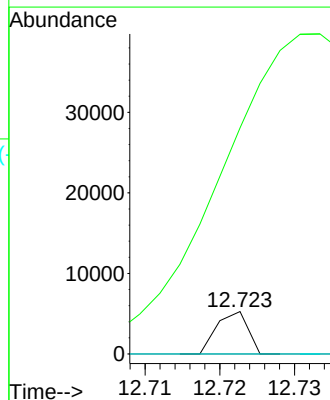
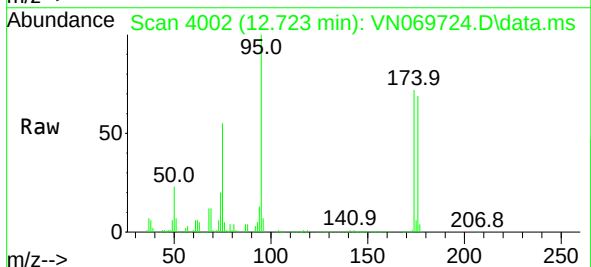
Instrument :
MSVOA_N
ClientSampleId :

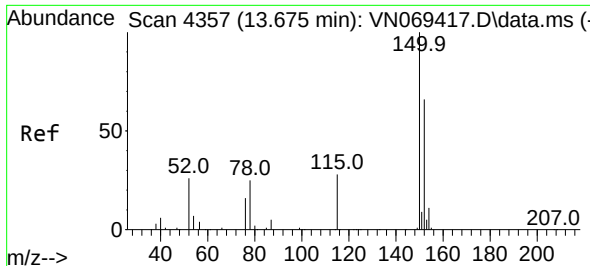
Tgt Ion:117 Resp: 2575243
Ion Ratio Lower Upper
117 100
82 58.5 42.4 63.6
119 32.1 25.4 38.2



#71
Bromoform
Concen: 2.822 ug/l
RT: 12.723 min Scan# 4002
Delta R.T. 0.263 min
Lab File: VN069724.D
Acq: 3 Dec 2021 17:46

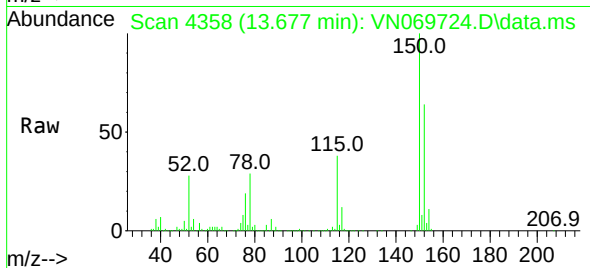
Tgt Ion:173 Resp: 1514
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



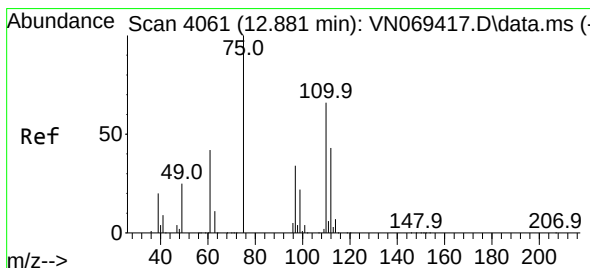
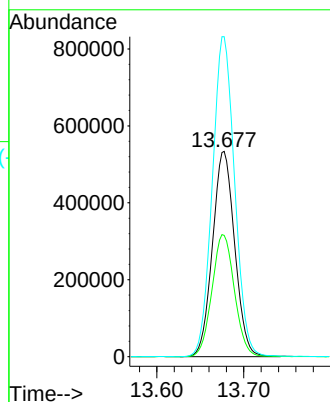
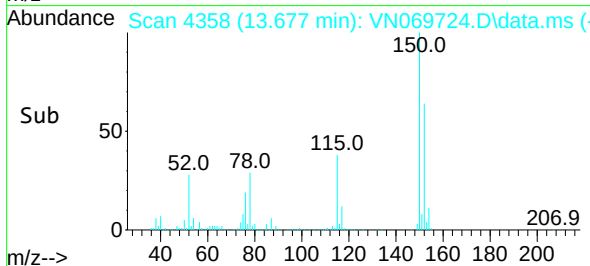


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN069724.D
Acq: 3 Dec 2021 17:46

Instrument :
MSVOA_N
ClientSampleId :

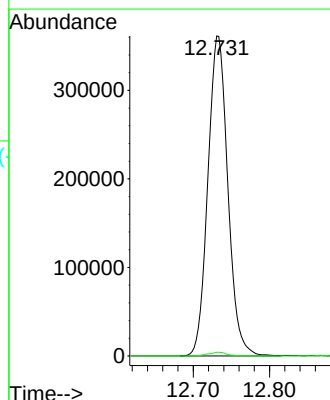
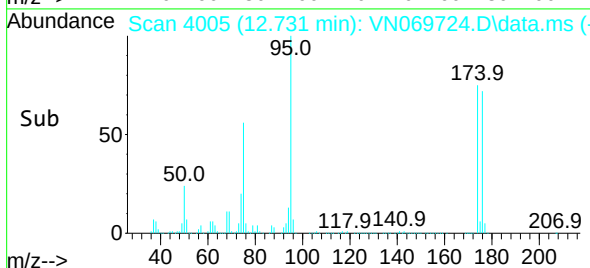
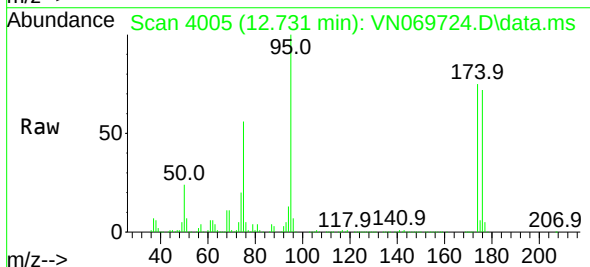


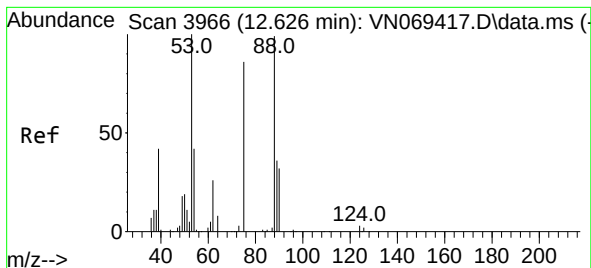
Tgt Ion:152 Resp: 947116
Ion Ratio Lower Upper
152 100
115 60.2 27.5 82.5
150 156.7 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 24.190 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069724.D
Acq: 3 Dec 2021 17:46

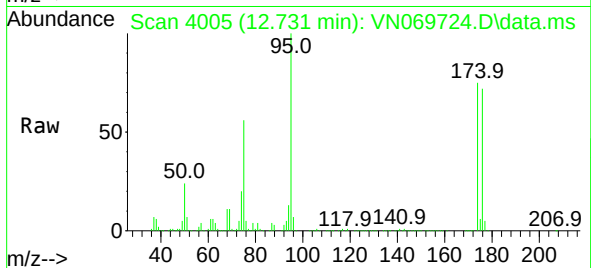
Tgt Ion: 75 Resp: 657027
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



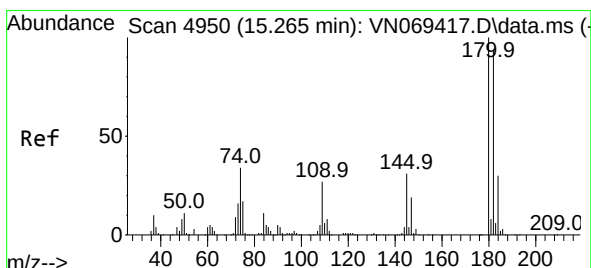
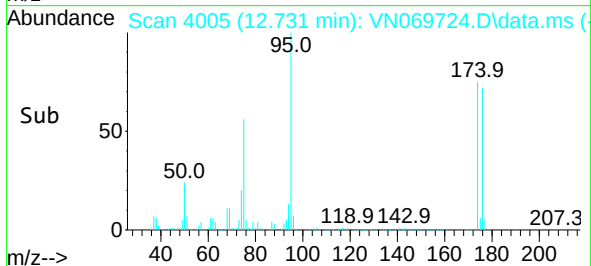
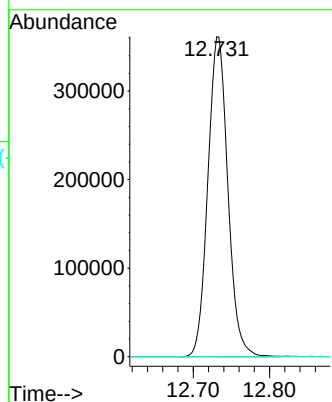


#81
trans-1,4-Dichloro-2-butene
Concen: 76.802 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069724.D
Acq: 3 Dec 2021 17:46

Instrument :
MSVOA_N
ClientSampleId :

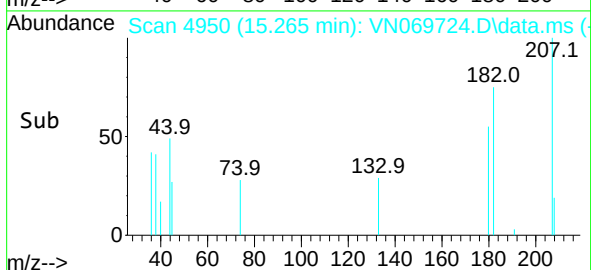
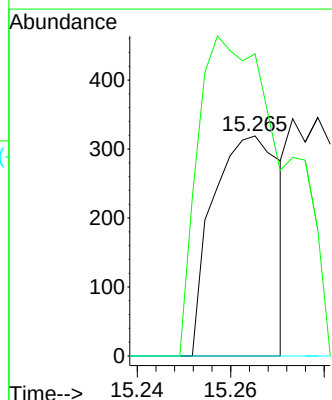
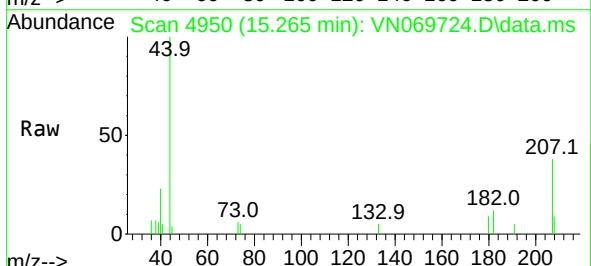


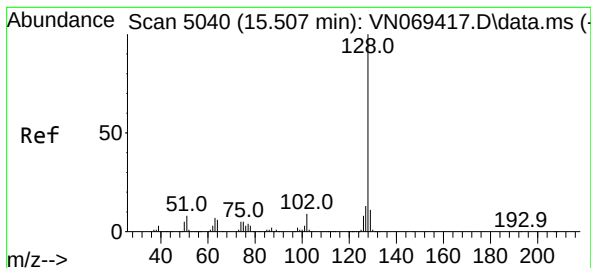
Tgt Ion: 75 Resp: 657027
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.897 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069724.D
Acq: 3 Dec 2021 17:46

Tgt Ion: 180 Resp: 312
Ion Ratio Lower Upper
180 100
182 195.5 48.3 144.9#
145 0.0 14.5 43.5#

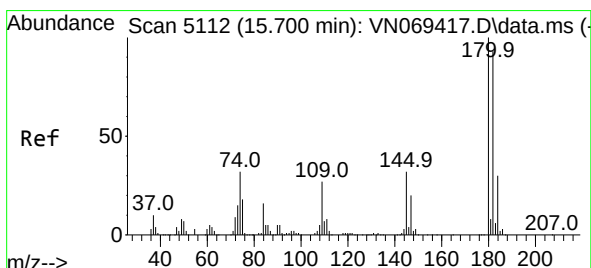
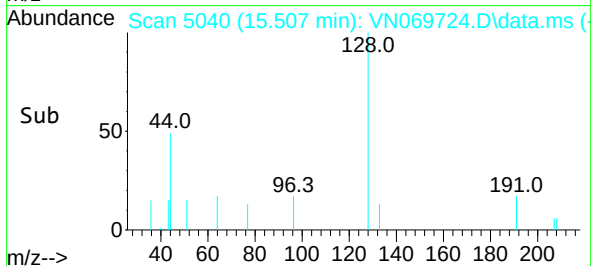
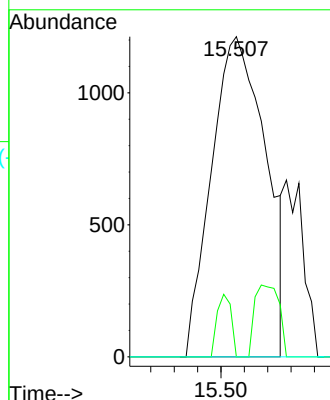
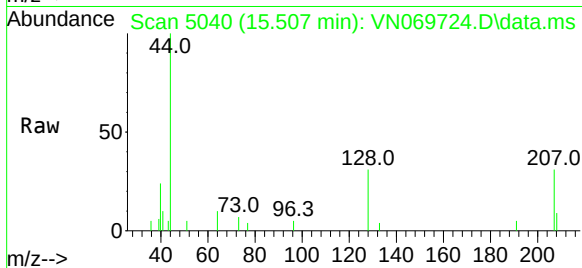




#95
Naphthalene
Concen: 4.024 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069724.D
Acq: 3 Dec 2021 17:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 1952
Ion Ratio Lower Upper
128 100
127 5.0 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.454 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN069724.D
Acq: 3 Dec 2021 17:46

Tgt Ion:180 Resp: 289
Ion Ratio Lower Upper
180 100
182 176.1 47.4 142.2#
145 32.5 15.0 45.1

