

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111521\
 Data File : VN069485.D
 Acq On : 15 Nov 2021 11:34
 Operator : JC/MD
 Sample : VN1115WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 16 00:47:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

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

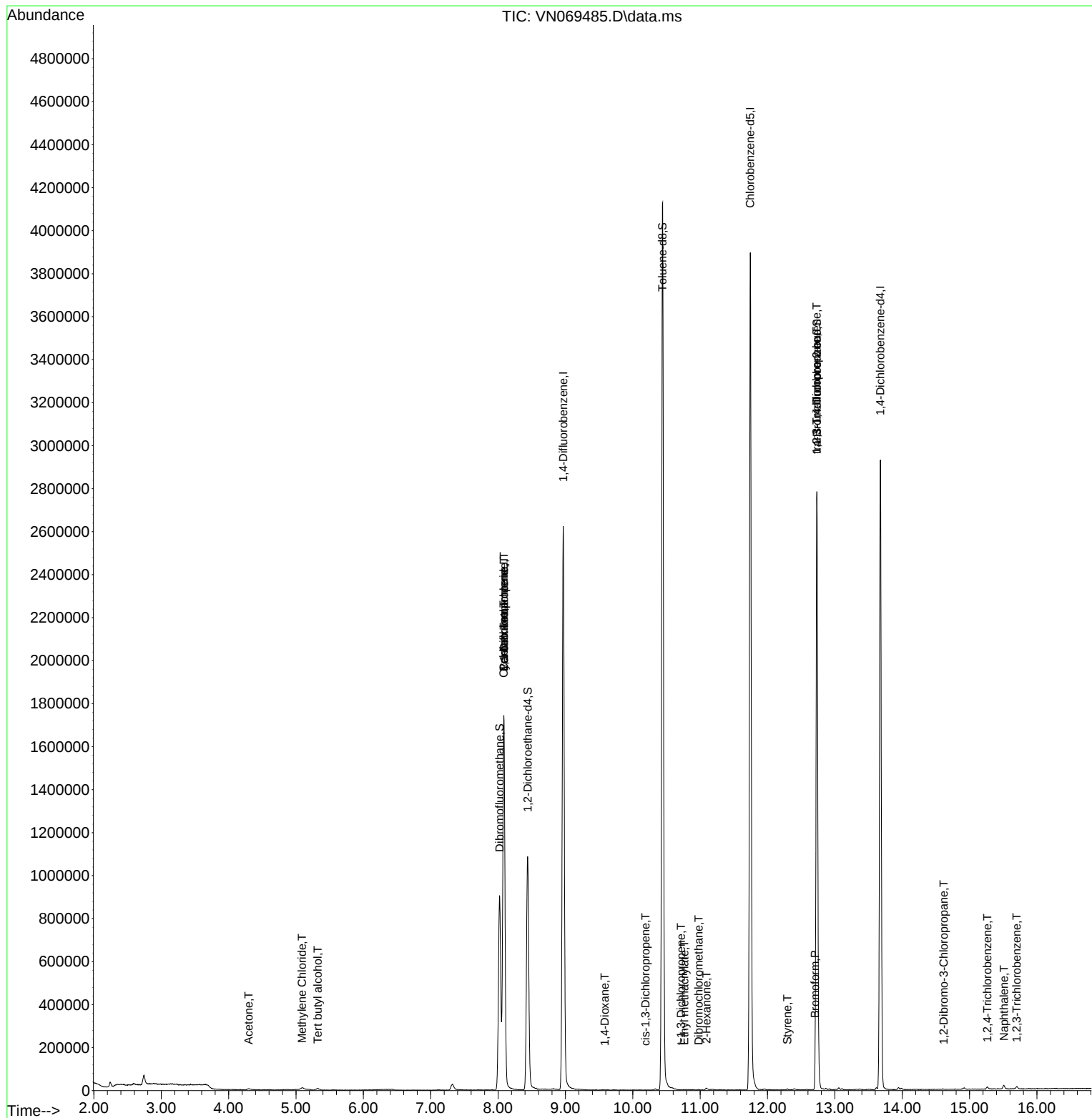
Internal Standards						
1) Pentafluorobenzene	8.086	168	1291423	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2236044	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2174304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	767313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	943527	50.389	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.780%	
35) Dibromofluoromethane	8.021	113	658047	49.068	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 98.140%	
50) Toluene-d8	10.440	98	2872727	54.465	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 108.920%	
62) 4-Bromofluorobenzene	12.733	95	948732	48.963	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 97.920%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.323	59	4794	1.421	ug/l #	71
13) Acrolein	4.038	56	238	Below Cal	#	81
16) Acetone	4.296	43	9003	0.891	ug/l #	84
20) Methylene Chloride	5.090	84	3884	0.271	ug/l	90
31) Cyclohexane	8.083	56	33742	1.319	ug/l #	40
36) 1,1-Dichloropropene	8.086	75	113976	6.058	ug/l #	48
38) Carbon Tetrachloride	8.086	117	135608	7.465	ug/l #	16
49) 1,4-Dioxane	9.585	88	52	39.190	ug/l #	32
53) t-1,3-Dichloropropene	10.714	75	181	2.645	ug/l #	43
54) cis-1,3-Dichloropropene	10.188	75	161	1.739	ug/l #	32
56) Ethyl methacrylate	10.767	69	617	2.074	ug/l	96
59) 2-Hexanone	11.095	43	7463	8.266	ug/l	91
60) Dibromochloromethane	10.979	129	241	2.432	ug/l #	11
70) Styrene	12.294	104	924	1.539	ug/l #	45
71) Bromoform	12.704	173	46	3.431	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	533104	30.106	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	533104	85.029	ug/l #	5
92) 1,2-Dibromo-3-Chloropr...	14.613	75	145	1.833	ug/l #	55
93) 1,2,4-Trichlorobenzene	15.265	180	3150	3.358	ug/l	95
95) Naphthalene	15.509	128	14867	4.849	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.700	180	3801	3.478	ug/l	86

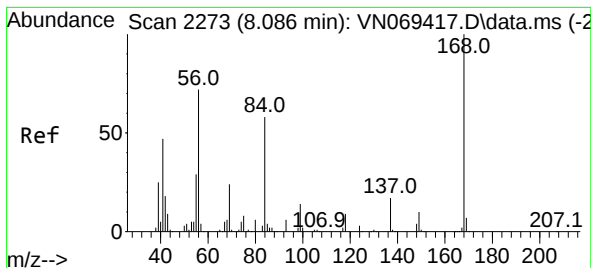
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN069485.D

Acq: 15 Nov 2021 11:34

Instrument :

MSVOA_N

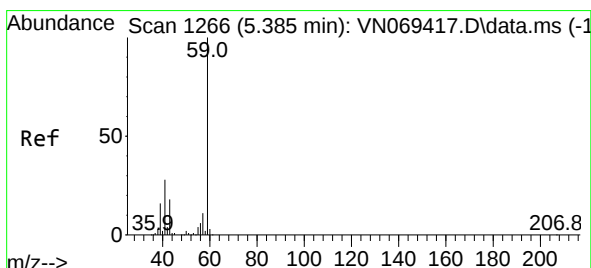
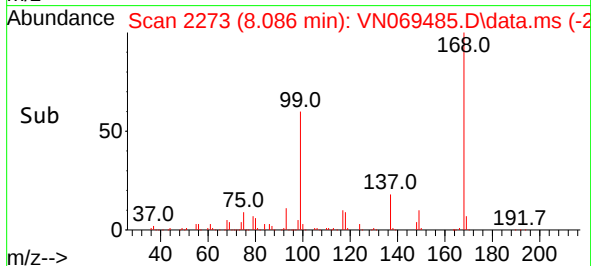
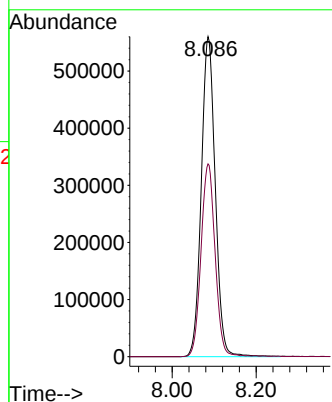
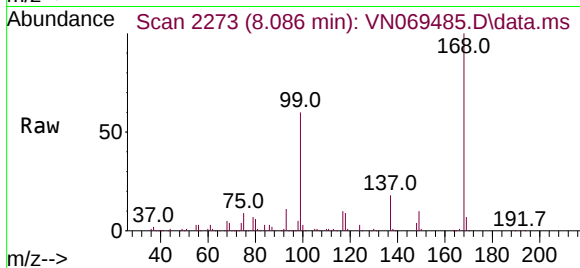
ClientSampleId :

Tgt Ion:168 Resp: 1291423

Ion Ratio Lower Upper

168 100

99 60.3 41.3 61.9



#11

Tert butyl alcohol

Concen: 1.421 ug/l

RT: 5.323 min Scan# 1243

Delta R.T. -0.062 min

Lab File: VN069485.D

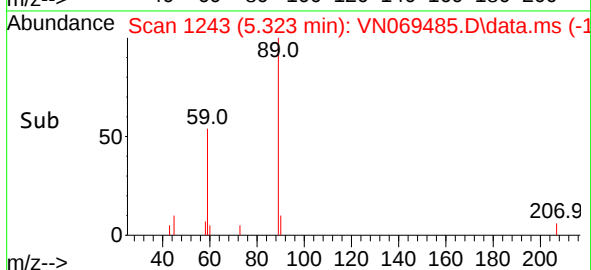
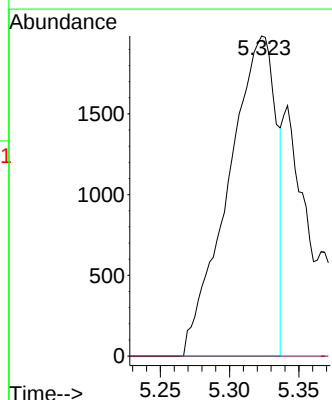
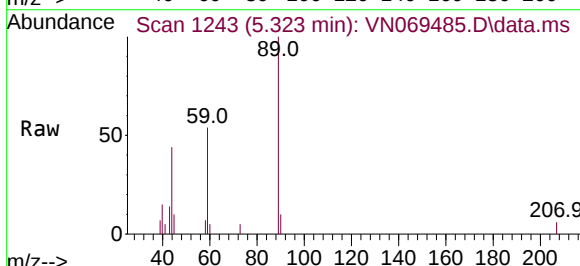
Acq: 15 Nov 2021 11:34

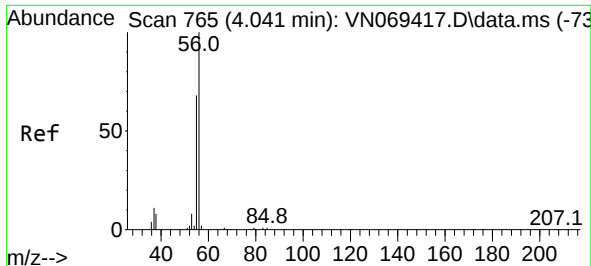
Tgt Ion: 59 Resp: 4794

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#

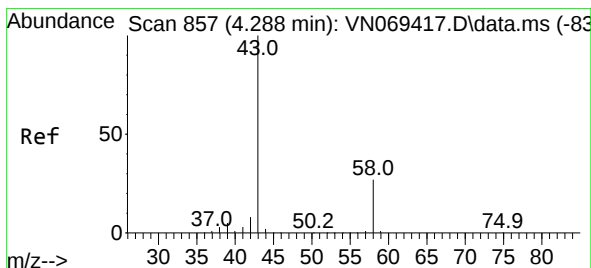
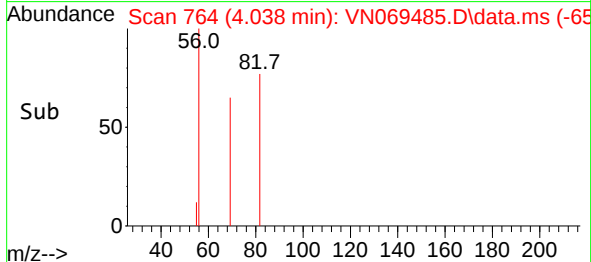
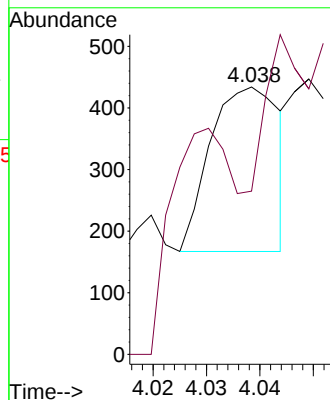
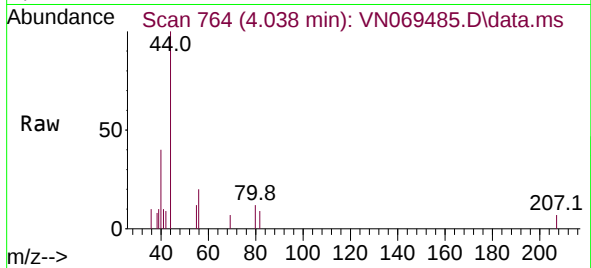




#13
Acrolein
Concen: Below Cal
RT: 4.038 min Scan# 765
Delta R.T. -0.003 min
Lab File: VN069485.D
Acq: 15 Nov 2021 11:34

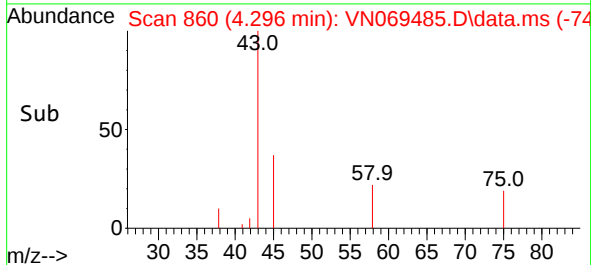
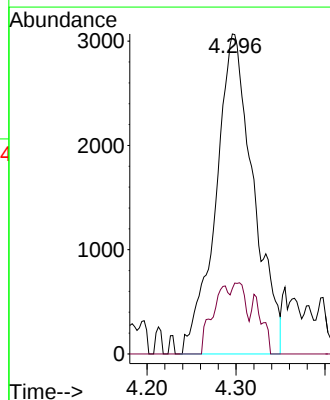
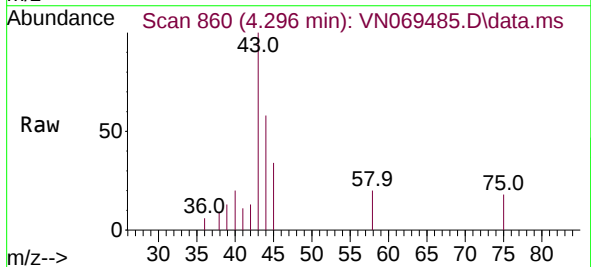
Instrument :
MSVOA_N
ClientSampleId :

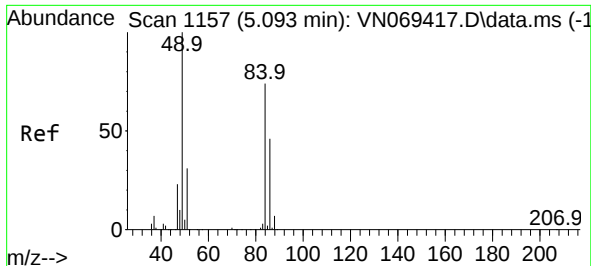
Tgt Ion: 56 Resp: 238
Ion Ratio Lower Upper
56 100
55 55.5 56.6 85.0#



#16
Acetone
Concen: 0.891 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN069485.D
Acq: 15 Nov 2021 11:34

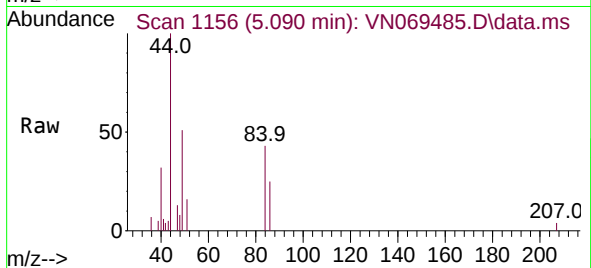
Tgt Ion: 43 Resp: 9003
Ion Ratio Lower Upper
43 100
58 20.5 23.1 34.7#



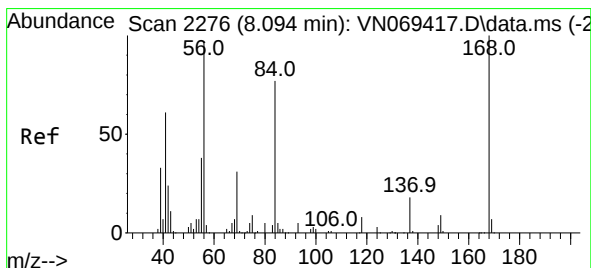
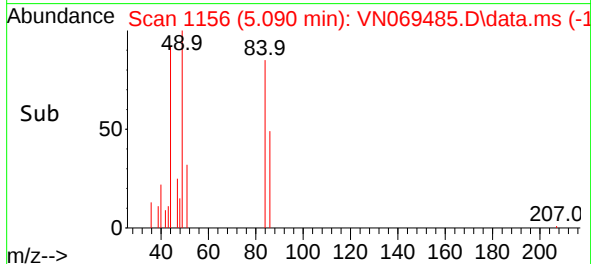
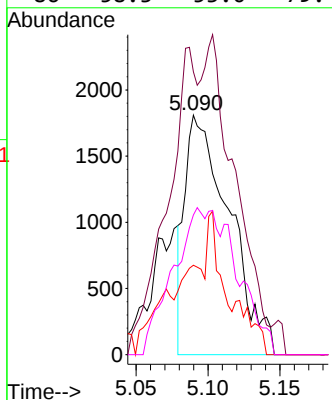


#20
Methylene Chloride
Concen: 0.271 ug/l
RT: 5.090 min Scan# 1156
Delta R.T. -0.003 min
Lab File: VN069485.D
Acq: 15 Nov 2021 11:34

Instrument :
MSVOA_N
ClientSampleId :

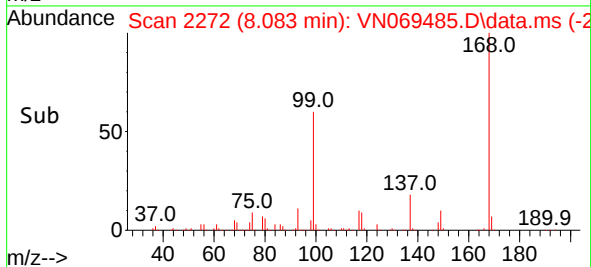
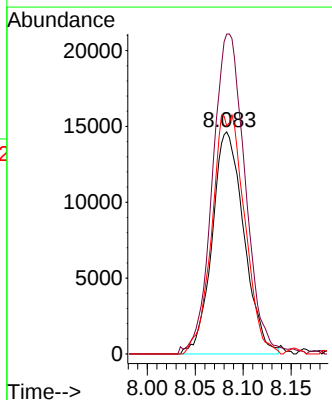
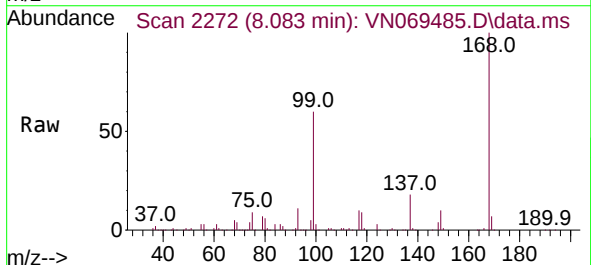


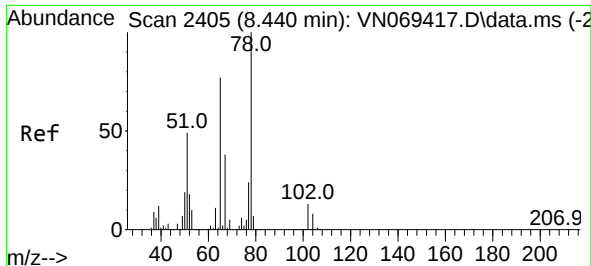
Tgt Ion:	84	Resp:	3884
Ion	Ratio	Lower	Upper
84	100		
49	103.7	93.5	140.3
51	37.3	29.4	44.2
86	58.3	53.0	79.4



#31
Cyclohexane
Concen: 1.319 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN069485.D
Acq: 15 Nov 2021 11:34

Tgt Ion:	56	Resp:	33742
Ion	Ratio	Lower	Upper
56	100		
69	144.0	27.1	40.7#
84	102.6	73.4	110.0





#33

1,2-Dichloroethane-d4

Concen: 50.389 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN069485.D

Acq: 15 Nov 2021 11:34

Instrument :

MSVOA_N

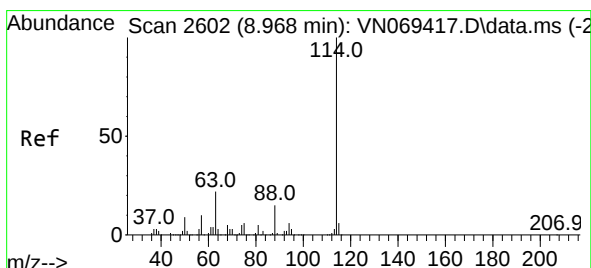
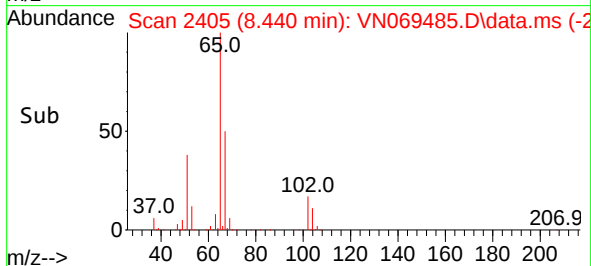
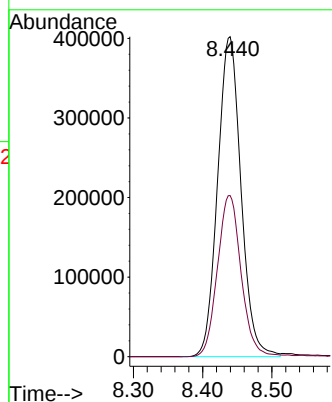
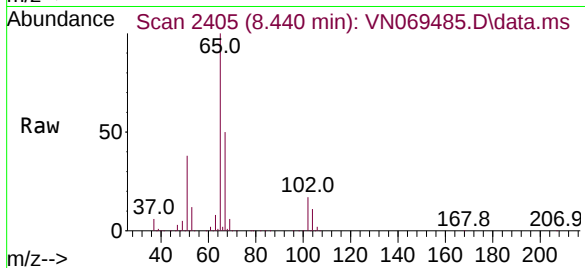
ClientSampleId :

Tgt Ion: 65 Resp: 943527

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN069485.D

Acq: 15 Nov 2021 11:34

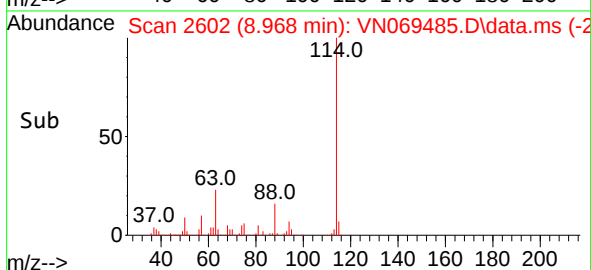
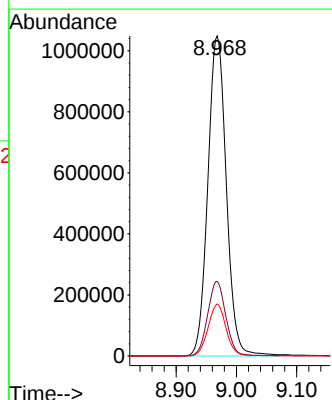
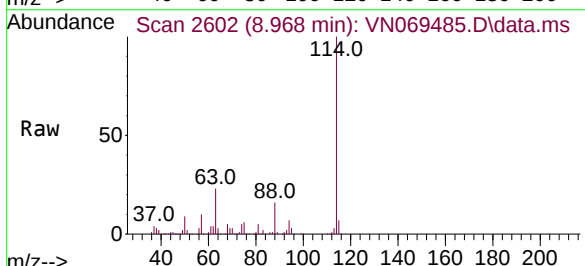
Tgt Ion: 114 Resp: 2236044

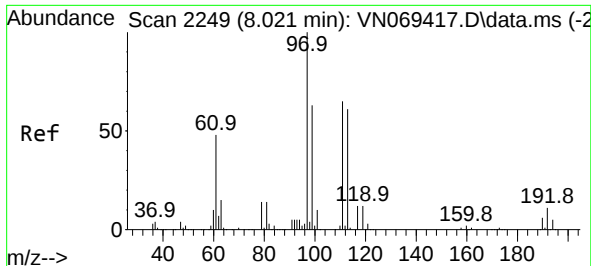
Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.8

88 16.2 0.0 27.4

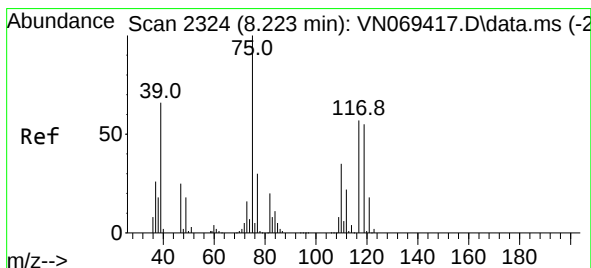
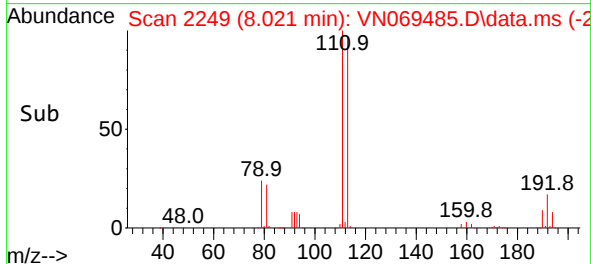
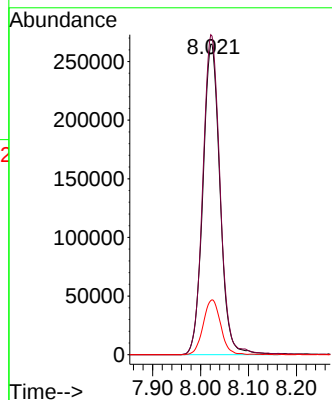
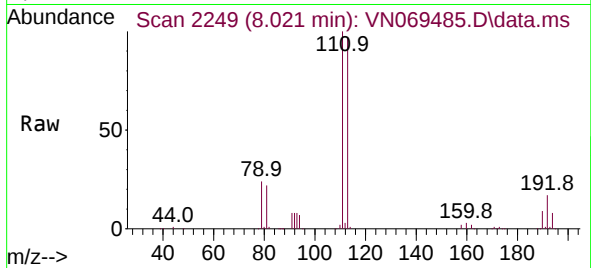




#35
 Dibromofluoromethane
 Concen: 49.068 ug/l
 RT: 8.021 min Scan# 211
 Delta R.T. 0.000 min
 Lab File: VN069485.D
 Acq: 15 Nov 2021 11:34

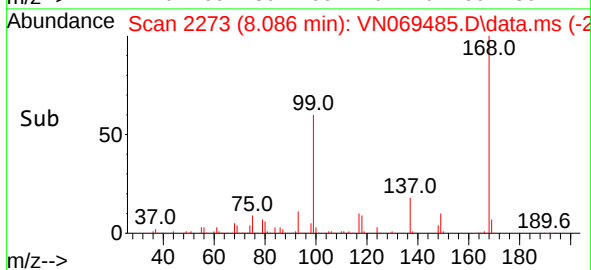
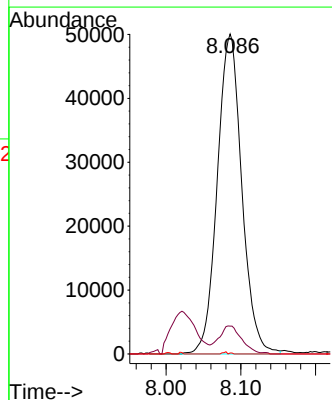
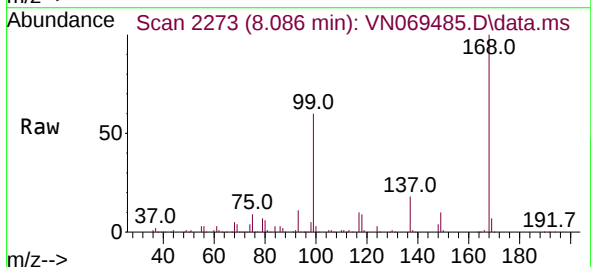
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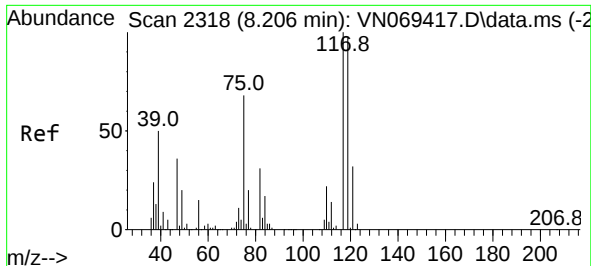
Tgt Ion:113 Resp: 658047
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.2 123.2
 192 18.0 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 6.058 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.137 min
 Lab File: VN069485.D
 Acq: 15 Nov 2021 11:34

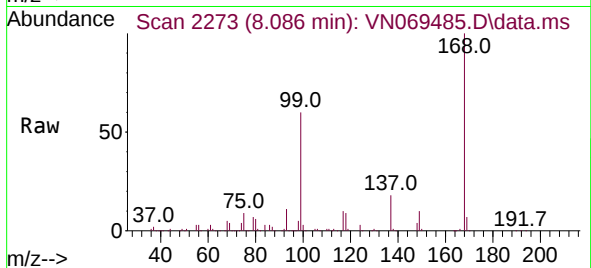
Tgt Ion: 75 Resp: 113976
 Ion Ratio Lower Upper
 75 100
 110 7.7 18.4 55.2#
 77 0.1 24.4 36.6#



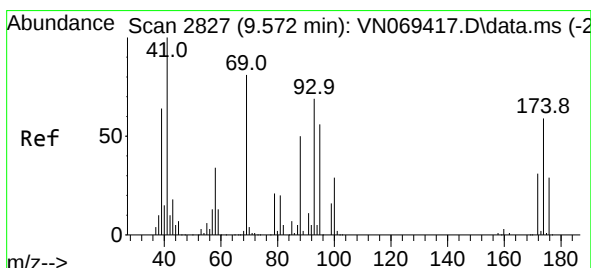
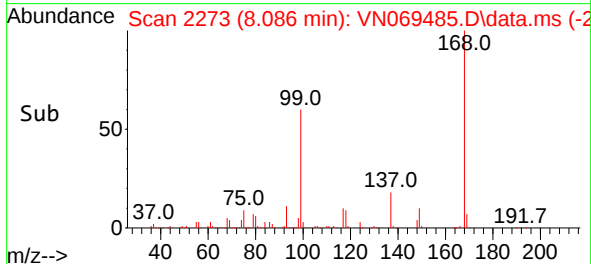
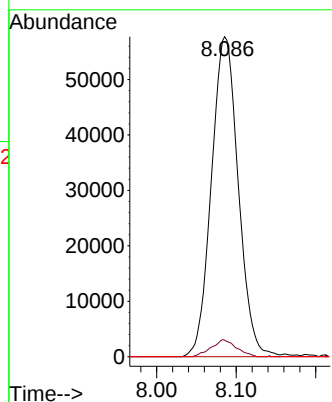


#38
Carbon Tetrachloride
Concen: 7.465 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.120 min
Lab File: VN069485.D
Acq: 15 Nov 2021 11:34

Instrument :
MSVOA_N
ClientSampleId :

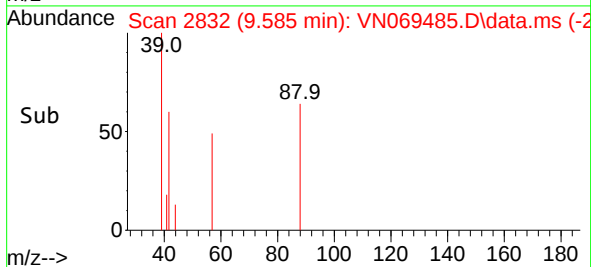
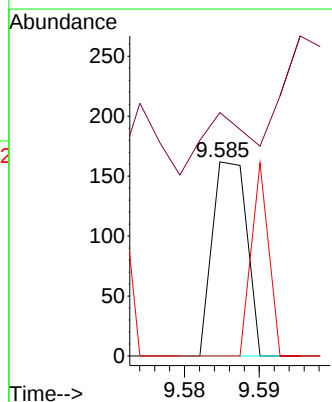
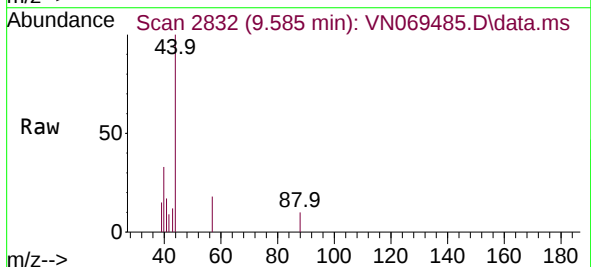


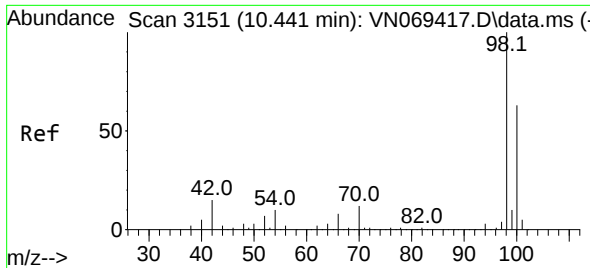
Tgt Ion:117 Resp: 135608
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 39.190 ug/l
RT: 9.585 min Scan# 2832
Delta R.T. 0.013 min
Lab File: VN069485.D
Acq: 15 Nov 2021 11:34

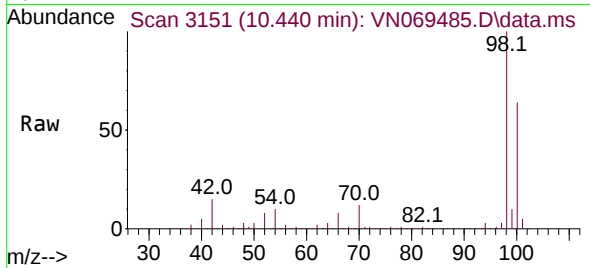
Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 125.0 23.4 35.2#
58 50.0 50.6 75.8#



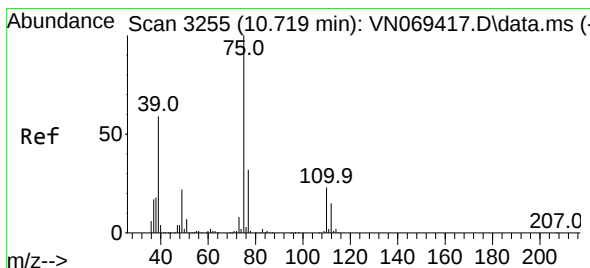
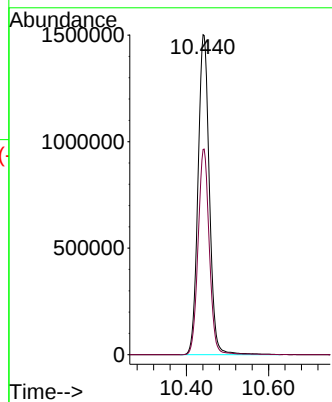
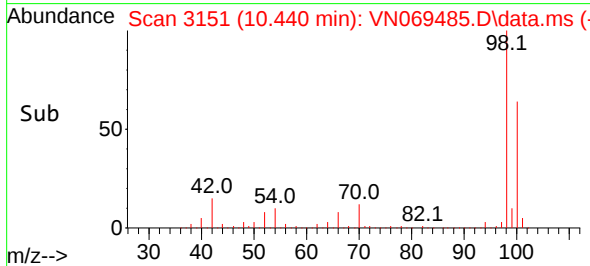


#50
Toluene-d8
Concen: 54.465 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.001 min
Lab File: VN069485.D
Acq: 15 Nov 2021 11:34

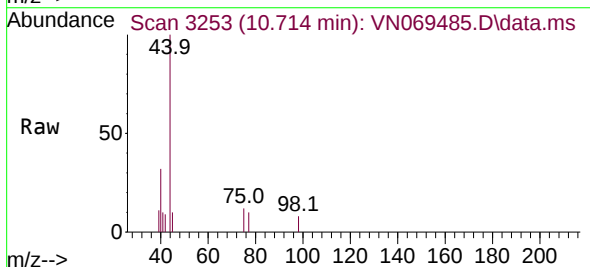
Instrument :
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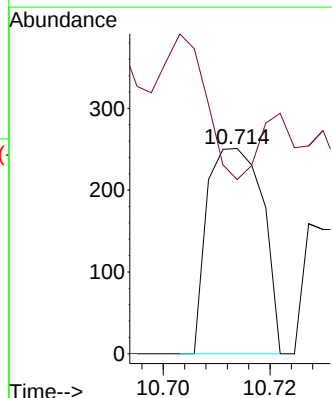
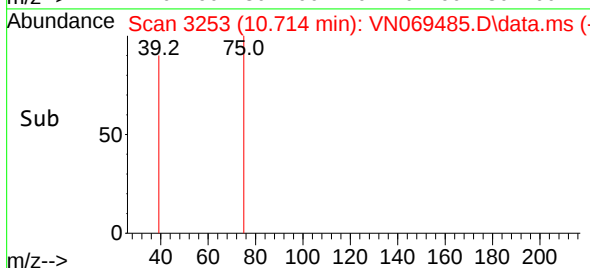
Tgt Ion: 98 Resp: 2872727
Ion Ratio Lower Upper
98 100
100 63.4 50.4 75.6

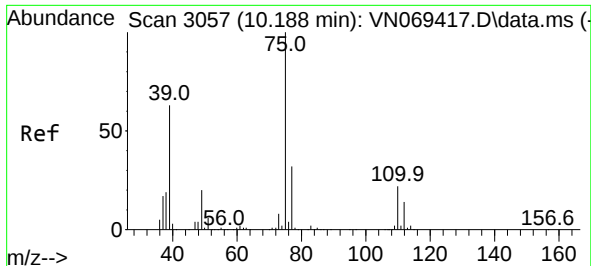


#53
t-1,3-Dichloropropene
Concen: 2.645 ug/l
RT: 10.714 min Scan# 3253
Delta R.T. -0.005 min
Lab File: VN069485.D
Acq: 15 Nov 2021 11:34



Tgt Ion: 75 Resp: 181
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#

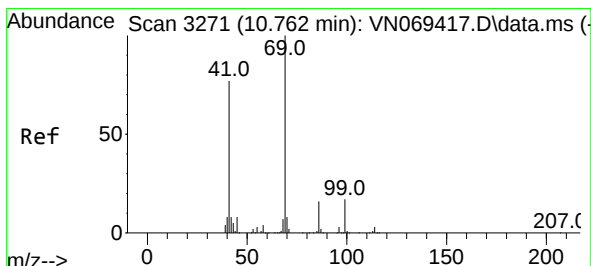
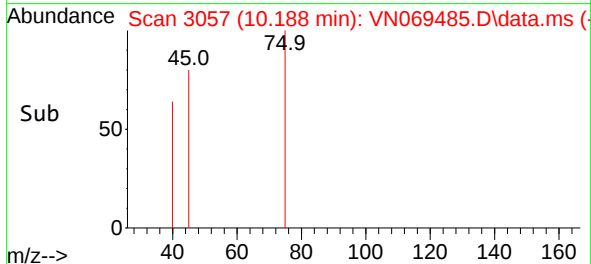
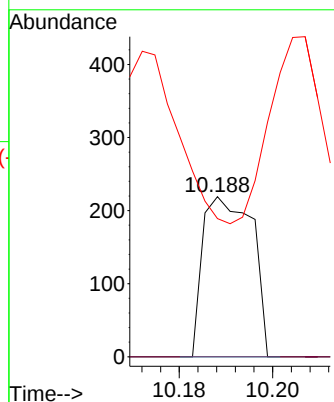
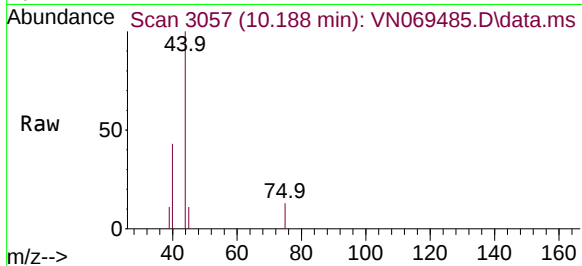




#54
 cis-1,3-Dichloropropene
 Concen: 1.739 ug/l
 RT: 10.188 min Scan# 3057
 Delta R.T. 0.000 min
 Lab File: VN069485.D
 Acq: 15 Nov 2021 11:34

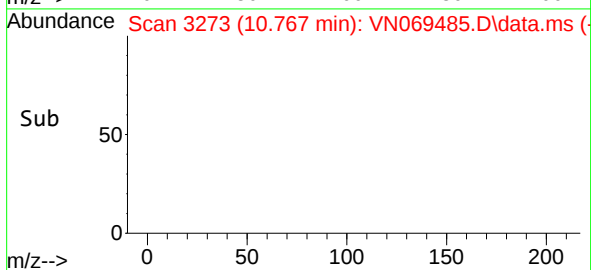
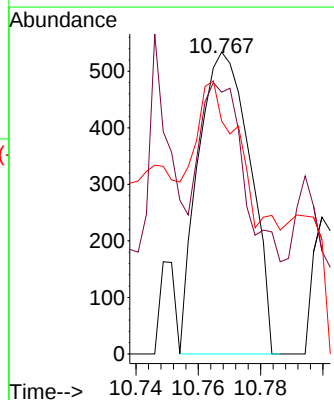
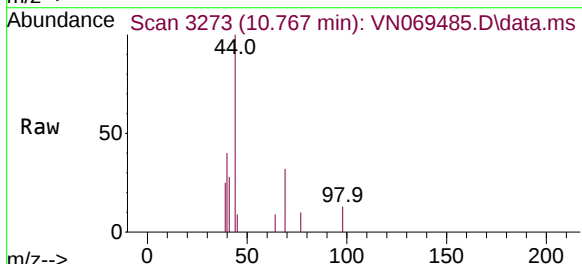
Instrument :
 MSVOA_N
 ClientSampleId :

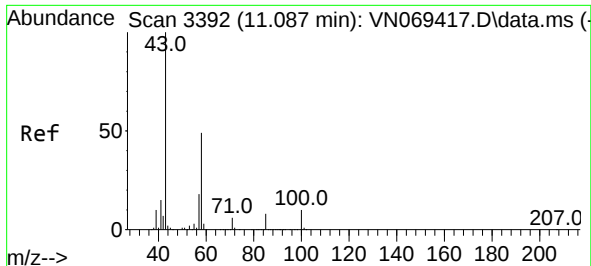
Tgt Ion: 75 Resp: 161
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 0.0 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.074 ug/l
 RT: 10.767 min Scan# 3273
 Delta R.T. 0.005 min
 Lab File: VN069485.D
 Acq: 15 Nov 2021 11:34

Tgt Ion: 69 Resp: 617
 Ion Ratio Lower Upper
 69 100
 41 63.4 51.4 77.0
 39 49.1 34.6 52.0

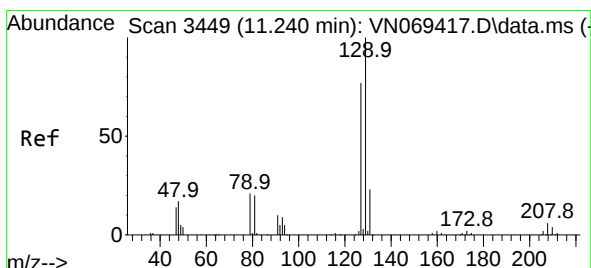
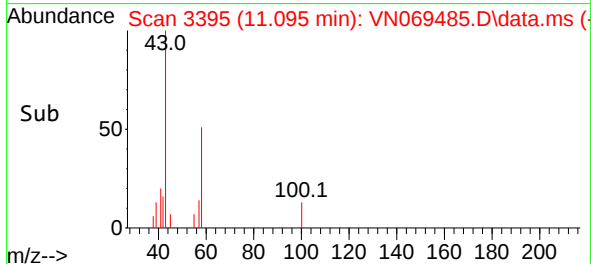
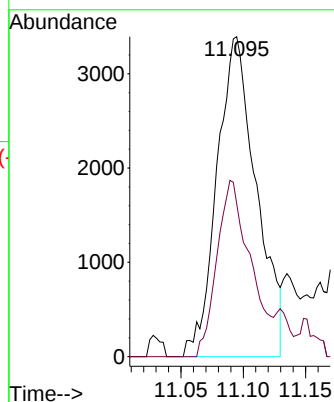
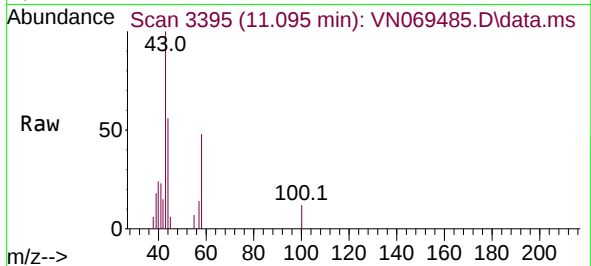




#59
2-Hexanone
Concen: 8.266 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN069485.D
Acq: 15 Nov 2021 11:34

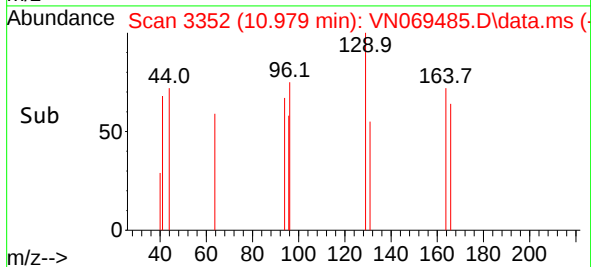
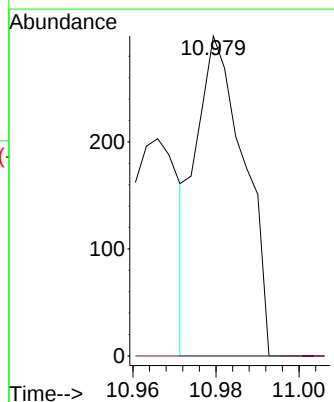
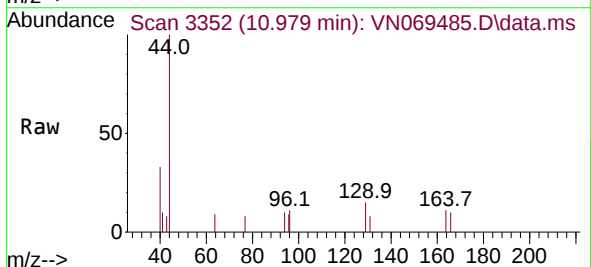
Instrument :
MSVOA_N
ClientSampleId :

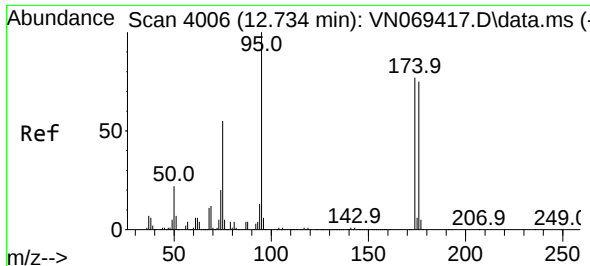
Tgt Ion: 43 Resp: 7463
Ion Ratio Lower Upper
43 100
58 47.1 26.9 80.7



#60
Dibromochloromethane
Concen: 2.432 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.261 min
Lab File: VN069485.D
Acq: 15 Nov 2021 11:34

Tgt Ion: 129 Resp: 241
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

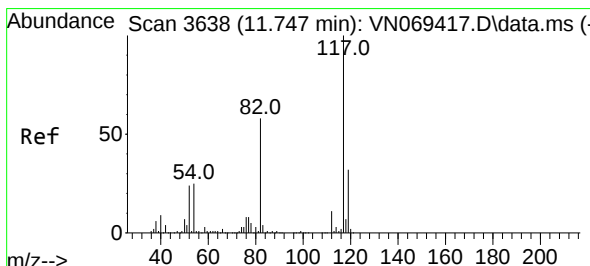
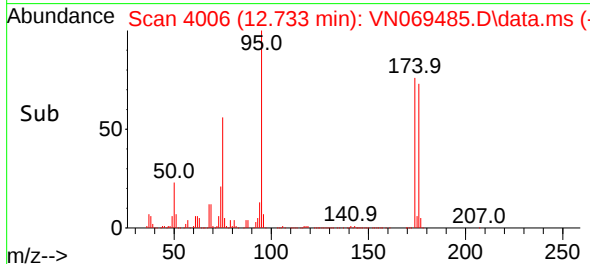
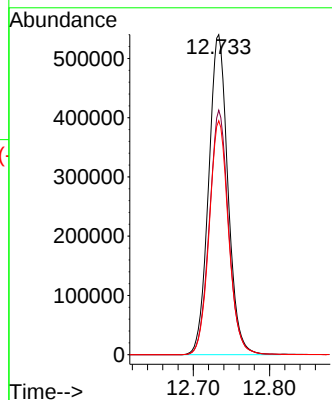
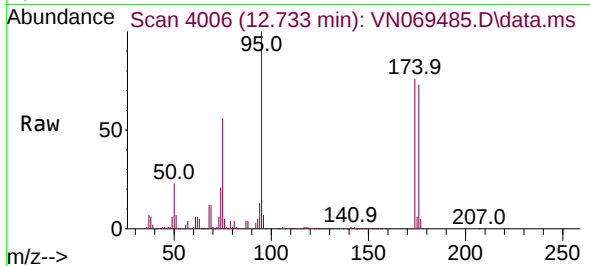




#62
4-Bromofluorobenzene
Concen: 48.963 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN069485.D
Acq: 15 Nov 2021 11:34

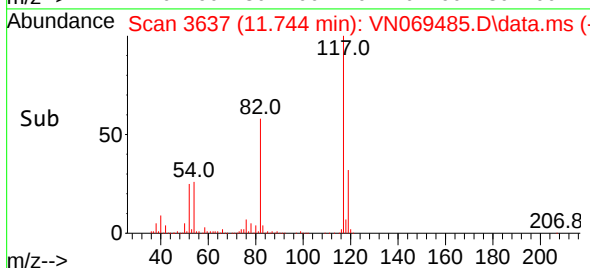
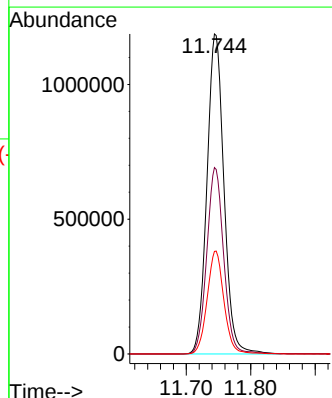
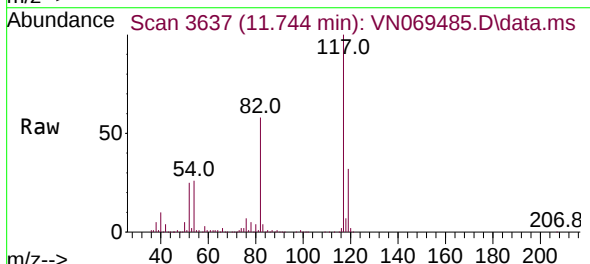
Instrument :
MSVOA_N
ClientSampleId :

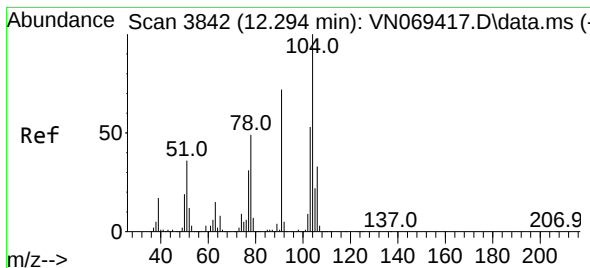
Tgt Ion: 95 Resp: 948732
Ion Ratio Lower Upper
95 100
174 76.2 0.0 187.2
176 73.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.003 min
Lab File: VN069485.D
Acq: 15 Nov 2021 11:34

Tgt Ion: 117 Resp: 2174304
Ion Ratio Lower Upper
117 100
82 58.2 42.4 63.6
119 32.0 25.4 38.2





#70

Styrene

Concen: 1.539 ug/l

RT: 12.294 min Scan# 3842

Delta R.T. -0.000 min

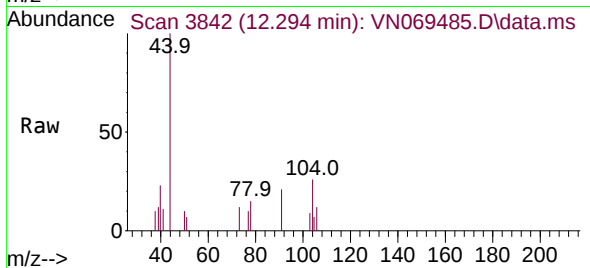
Lab File: VN069485.D

Acq: 15 Nov 2021 11:34

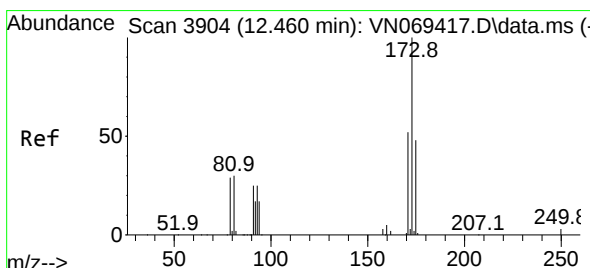
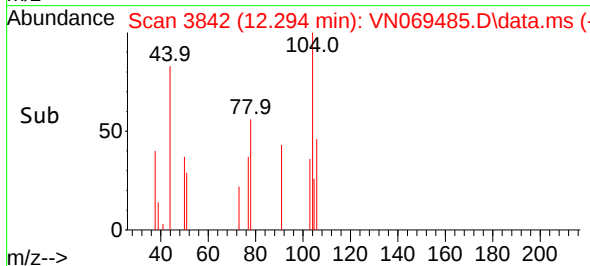
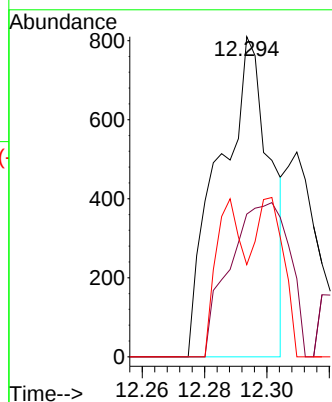
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	104	Resp:	924
Ion Ratio	Lower	Upper	
104	100		
78	0.0	38.7	58.1#
103	26.3	45.0	67.6#



#71

Bromoform

Concen: 3.431 ug/l

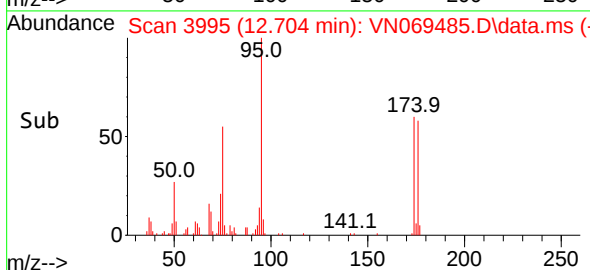
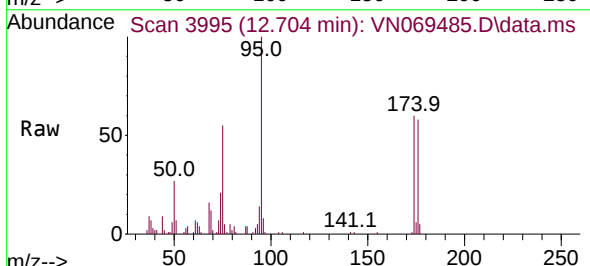
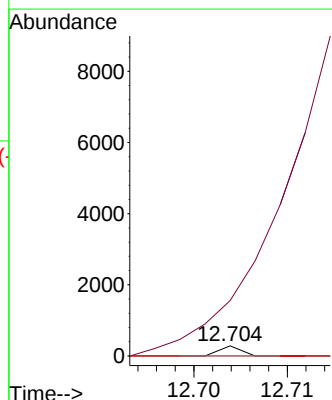
RT: 12.704 min Scan# 3995

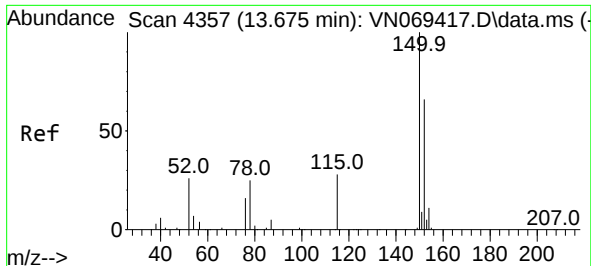
Delta R.T. 0.244 min

Lab File: VN069485.D

Acq: 15 Nov 2021 11:34

Tgt Ion:	173	Resp:	46
Ion Ratio	Lower	Upper	
173	100		
175	0.0	24.2	72.6#
254	0.0	0.0	0.0

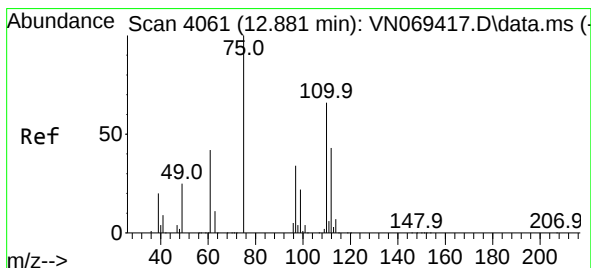
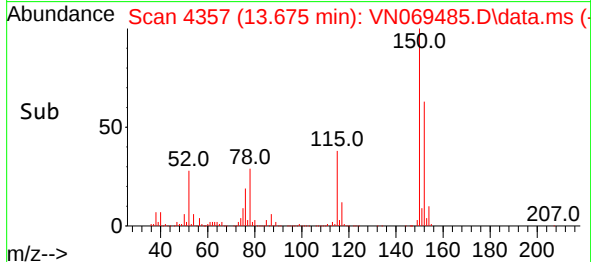
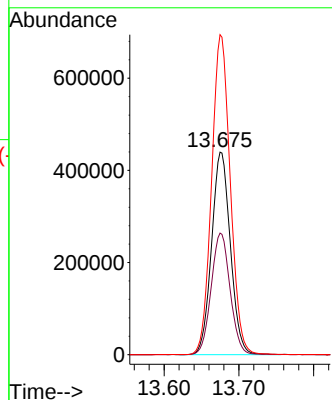
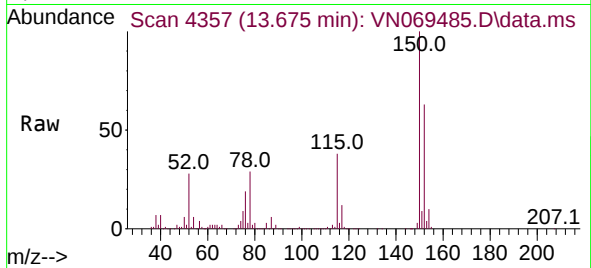




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VN069485.D
 Acq: 15 Nov 2021 11:34

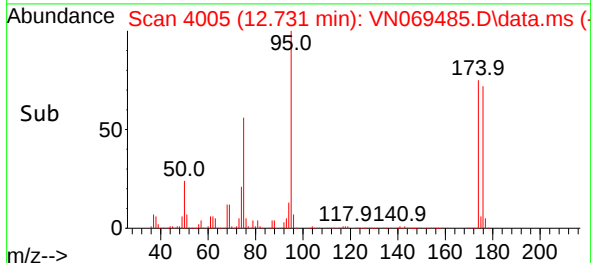
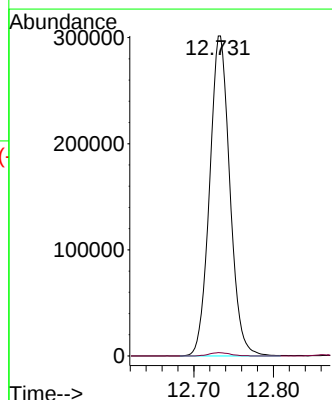
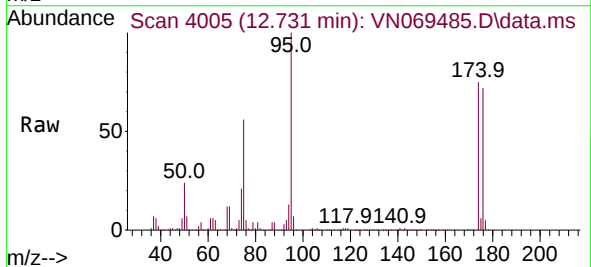
Instrument :
 MSVOA_N
 ClientSampleId :

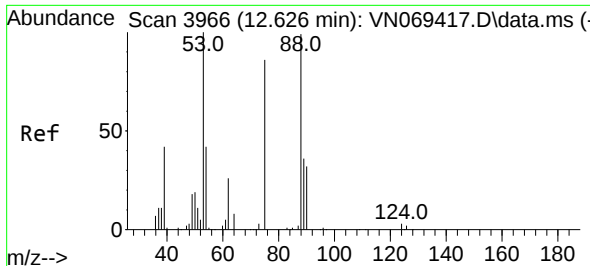
Tgt Ion:152 Resp: 767313
 Ion Ratio Lower Upper
 152 100
 115 60.4 27.5 82.5
 150 156.7 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 30.106 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.150 min
 Lab File: VN069485.D
 Acq: 15 Nov 2021 11:34

Tgt Ion: 75 Resp: 533104
 Ion Ratio Lower Upper
 75 100
 77 1.1 82.6 247.8#

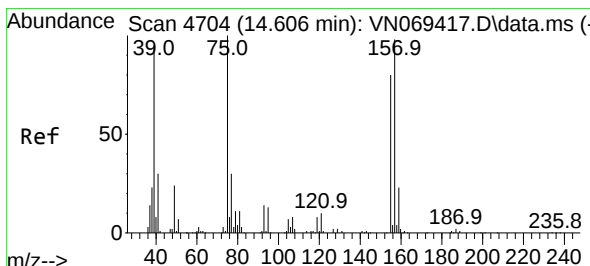
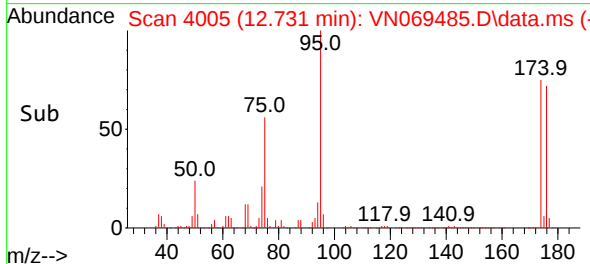
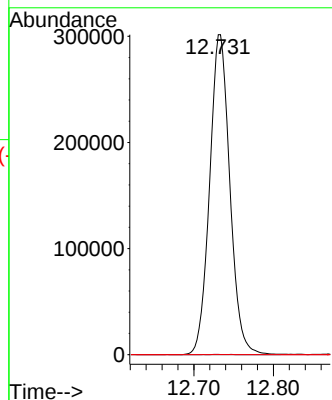
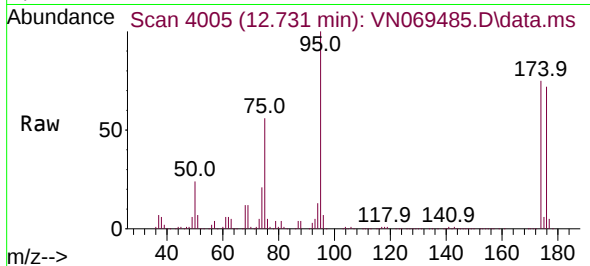




#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.029 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. 0.105 min
 Lab File: VN069485.D
 Acq: 15 Nov 2021 11:34

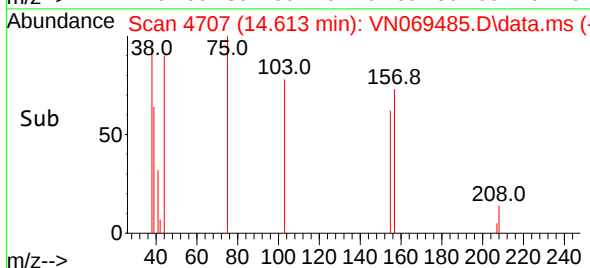
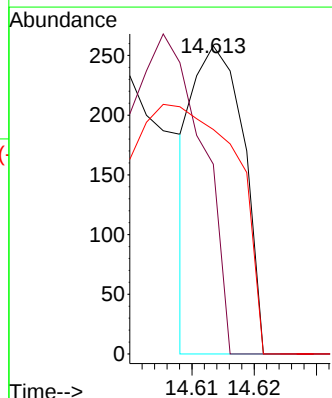
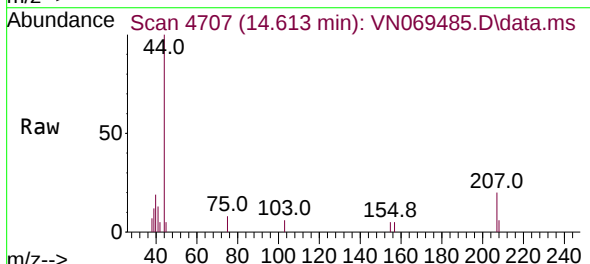
Instrument :
 MSVOA_N
 ClientSampleId :

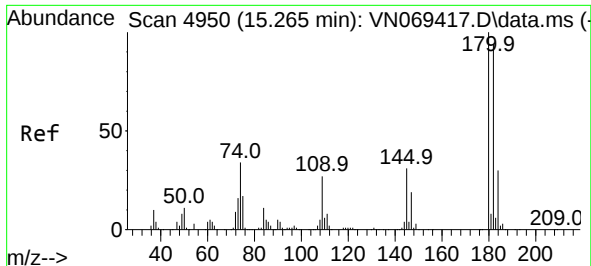
Tgt Ion: 75 Resp: 533104
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 38.2 57.4#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.833 ug/l
 RT: 14.613 min Scan# 4707
 Delta R.T. 0.007 min
 Lab File: VN069485.D
 Acq: 15 Nov 2021 11:34

Tgt Ion: 75 Resp: 145
 Ion Ratio Lower Upper
 75 100
 155 143.4 46.9 140.7#
 157 164.8 60.6 181.7

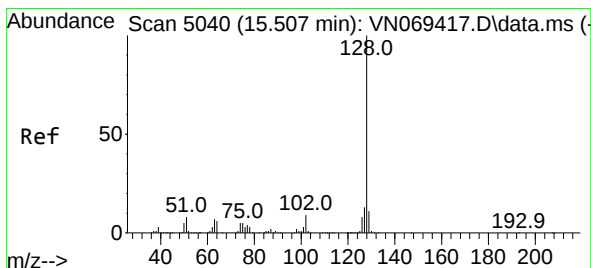
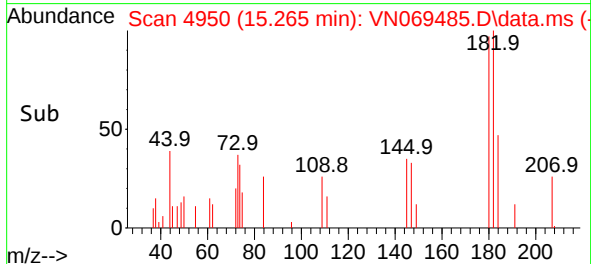
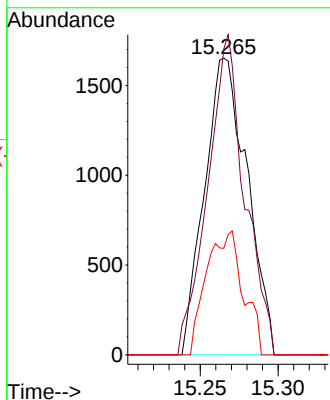
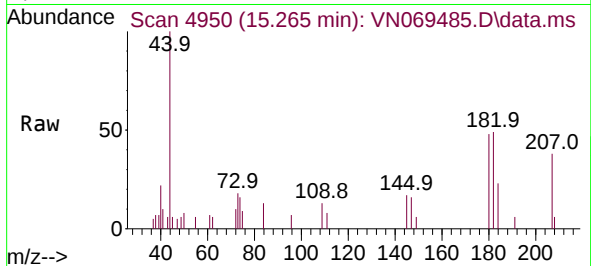




#93
 1,2,4-Trichlorobenzene
 Concen: 3.358 ug/l
 RT: 15.265 min Scan# 4950
 Delta R.T. 0.000 min
 Lab File: VN069485.D
 Acq: 15 Nov 2021 11:34

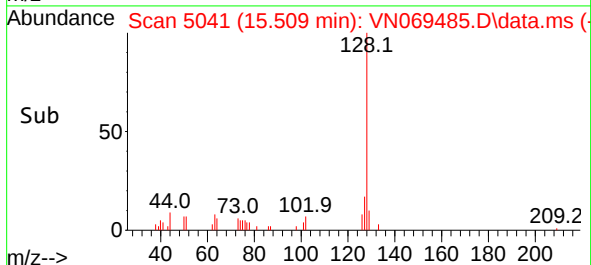
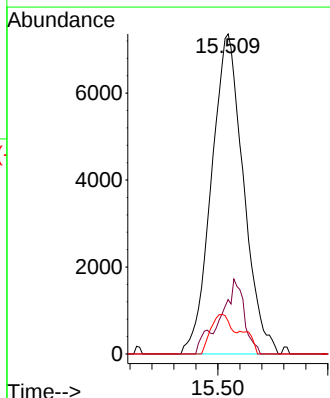
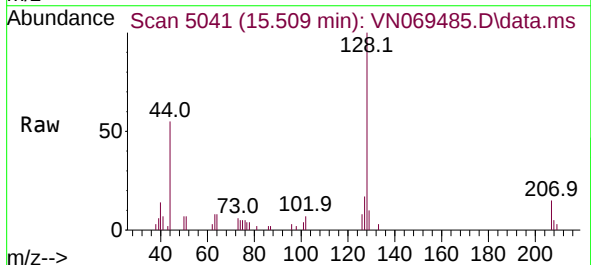
Instrument :
 MSVOA_N
 ClientSampleId :

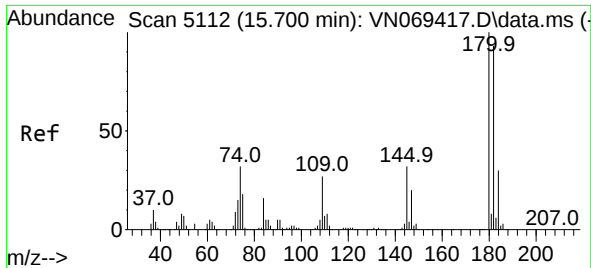
Tgt Ion:180 Resp: 3150
 Ion Ratio Lower Upper
 180 100
 182 93.5 48.3 144.9
 145 36.0 14.5 43.5



#95
 Naphthalene
 Concen: 4.849 ug/l
 RT: 15.509 min Scan# 5041
 Delta R.T. 0.002 min
 Lab File: VN069485.D
 Acq: 15 Nov 2021 11:34

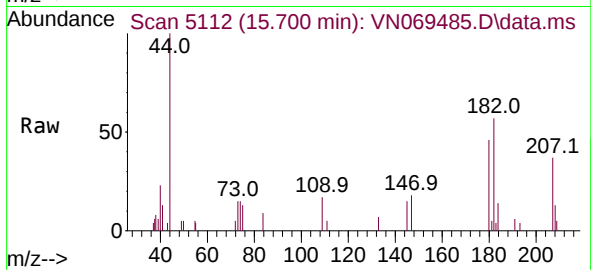
Tgt Ion:128 Resp: 14867
 Ion Ratio Lower Upper
 128 100
 127 14.7 10.5 15.7
 129 8.3 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.478 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN069485.D
 Acq: 15 Nov 2021 11:34

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	3801
Ion	Ratio	Lower	Upper
180	100		
182	106.4	47.4	142.2
145	18.3	15.0	45.1

