

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112421\
 Data File : VN069644.D
 Acq On : 24 Nov 2021 15:57
 Operator : JC/MD
 Sample : M4815-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 26 07:00:12 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

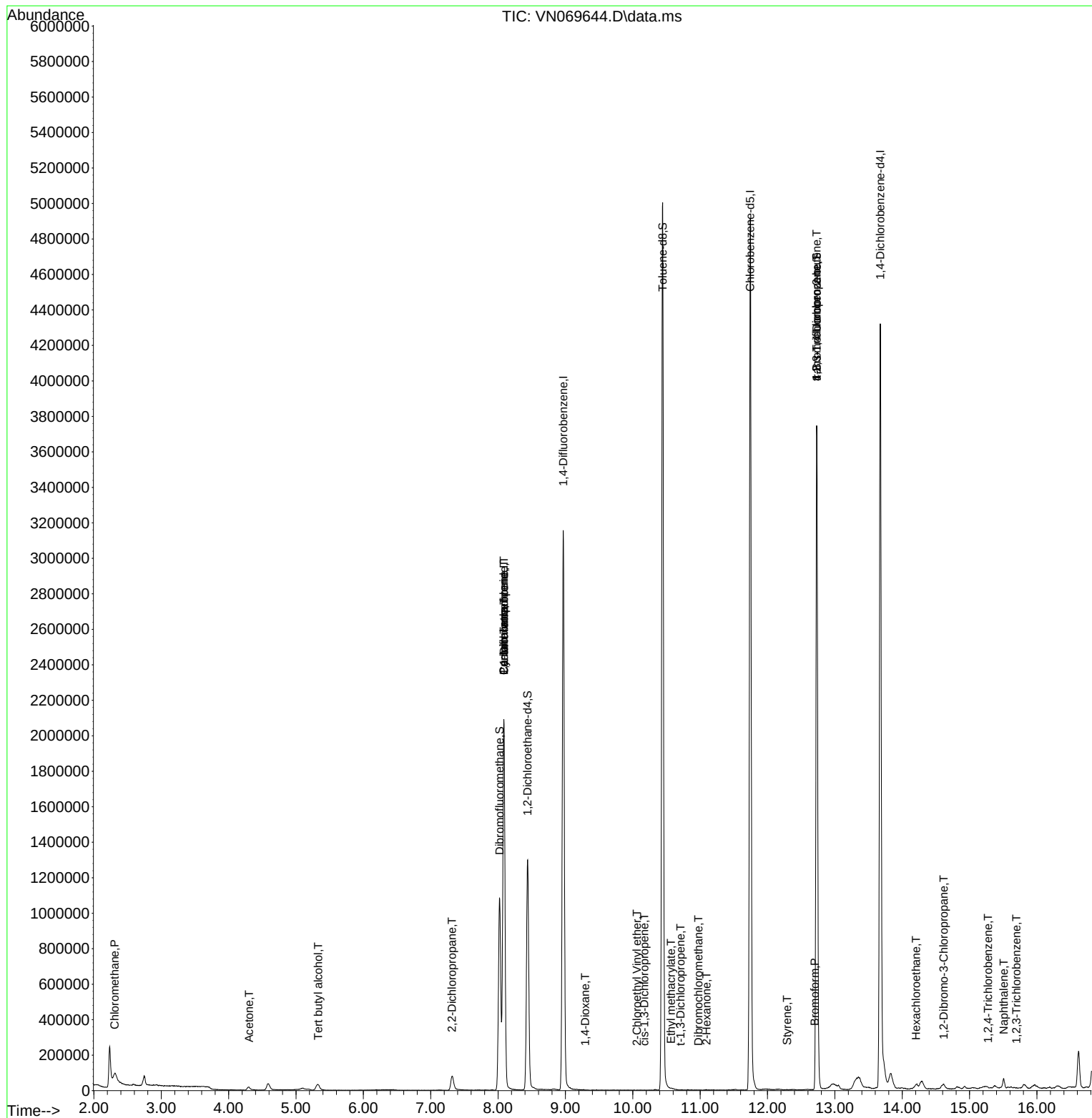
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	1570351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2691454	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2742163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1127541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1125570	49.434	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.860%
35) Dibromofluoromethane	8.024	113	791756	49.049	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.100%
50) Toluene-d8	10.443	98	3412724	53.755	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.500%
62) 4-Bromofluorobenzene	12.731	95	1293569	55.464	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	110.920%
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	5398	0.277	ug/l	96
11) Tert butyl alcohol	5.331	59	34646	8.444	ug/l #	72
13) Acrolein	4.047	56	605	Below Cal		88
16) Acetone	4.301	43	26421	2.151	ug/l	92
26) 2,2-Dichloropropane	7.313	77	5649	0.234	ug/l #	52
31) Cyclohexane	8.086	56	38129	1.226	ug/l #	24
36) 1,1-Dichloropropene	8.086	75	129432	5.715	ug/l #	49
38) Carbon Tetrachloride	8.086	117	162794	7.446	ug/l #	16
49) 1,4-Dioxane	9.293	88	93	39.254	ug/l #	29
53) t-1,3-Dichloropropene	10.709	75	24	2.638	ug/l #	1
54) cis-1,3-Dichloropropene	10.172	75	79	1.735	ug/l #	32
56) Ethyl methacrylate	10.567	69	113	2.056	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.062	63	270	22.799	ug/l #	45
59) 2-Hexanone	11.095	43	1822	8.008	ug/l	64
60) Dibromochloromethane	10.974	129	138	2.424	ug/l #	11
70) Styrene	12.288	104	117	1.522	ug/l #	61
71) Bromoform	12.701	173	72	3.432	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	726523	27.921	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	726523	79.278	ug/l #	5
90) Hexachloroethane	14.206	117	84	2.168	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.616	75	184	1.828	ug/l #	26
93) 1,2,4-Trichlorobenzene	15.273	180	554	3.143	ug/l #	12
95) Naphthalene	15.507	128	47278	5.312	ug/l	95
96) 1,2,3-Trichlorobenzene	15.694	180	414	3.192	ug/l #	67

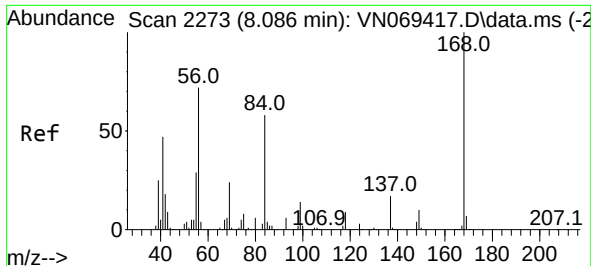
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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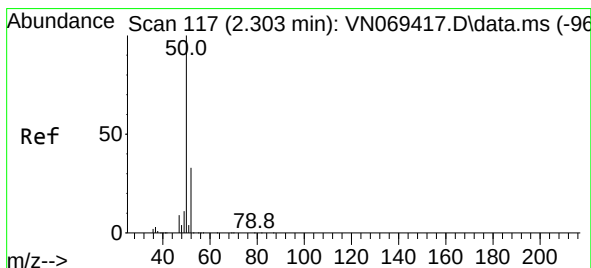
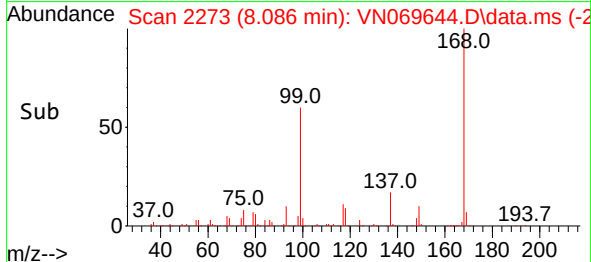
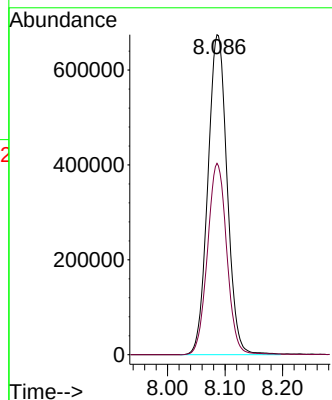
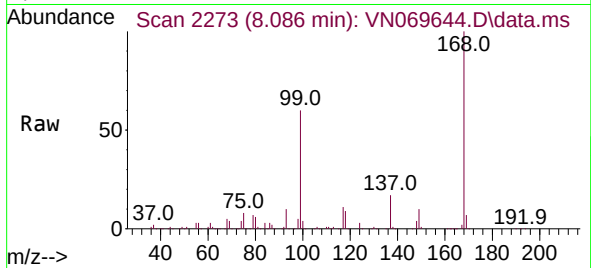




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069644.D
Acq: 24 Nov 2021 15:57

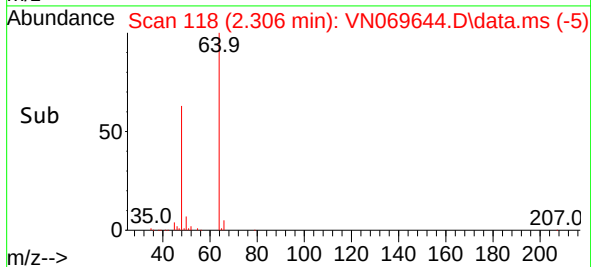
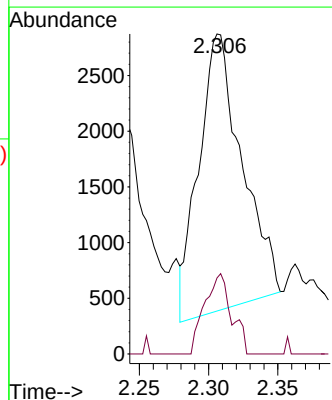
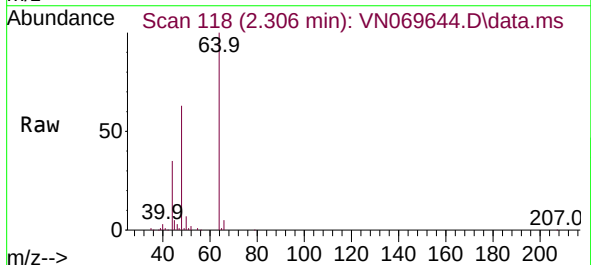
Instrument :
MSVOA_N
ClientSampleId :

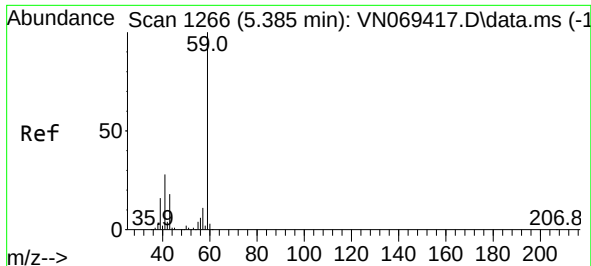
Tgt Ion:168 Resp: 1570351
Ion Ratio Lower Upper
168 100
99 59.8 41.3 61.9



#3
Chloromethane
Concen: 0.277 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069644.D
Acq: 24 Nov 2021 15:57

Tgt Ion: 50 Resp: 5398
Ion Ratio Lower Upper
50 100
52 29.5 25.4 38.0





#11

Tert butyl alcohol

Concen: 8.444 ug/l

RT: 5.331 min Scan# 11

Delta R.T. -0.054 min

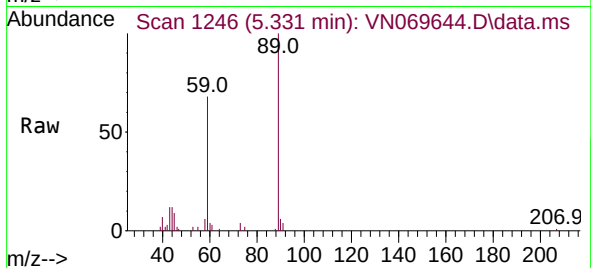
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Acq: 24 Nov 2021 15:57

Instrument :

MSVOA_N

ClientSampleId :

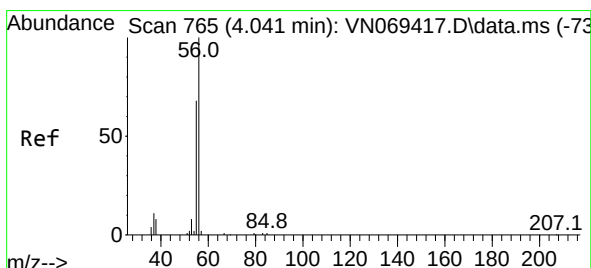
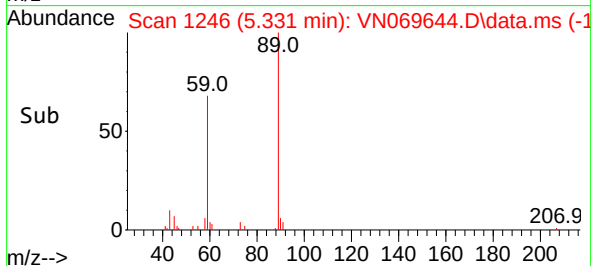
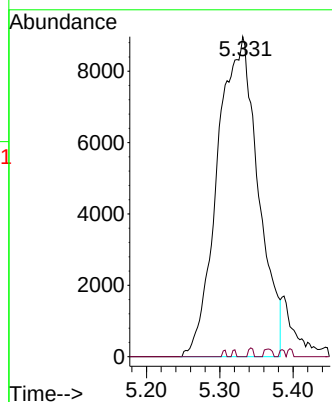


Tgt Ion: 59 Resp: 34646

Ion Ratio Lower Upper

59 100

57 0.3 8.7 13.1#



#13

Acrolein

Concen: Below Cal

RT: 4.047 min Scan# 767

Delta R.T. 0.006 min

Lab File: VN069644.D

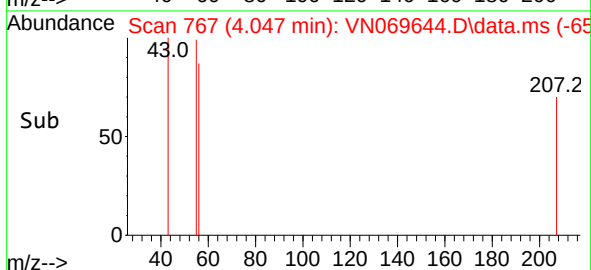
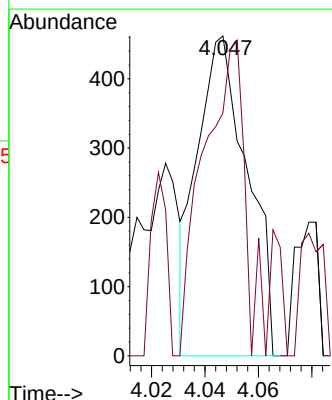
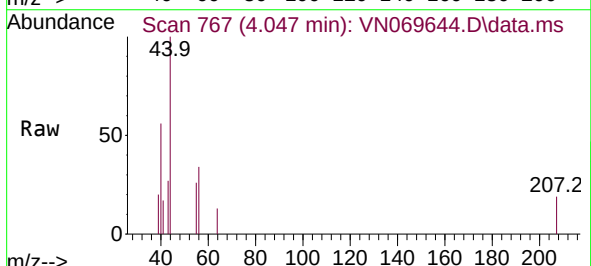
Acq: 24 Nov 2021 15:57

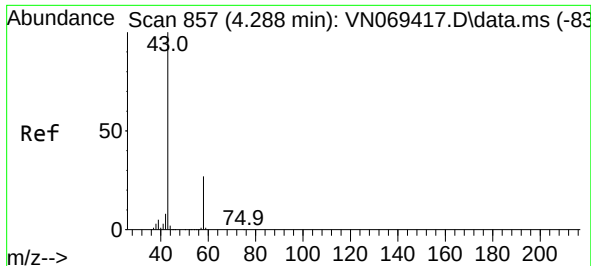
Tgt Ion: 56 Resp: 605

Ion Ratio Lower Upper

56 100

55 80.8 56.6 85.0

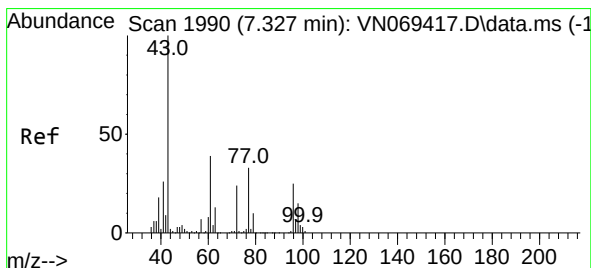
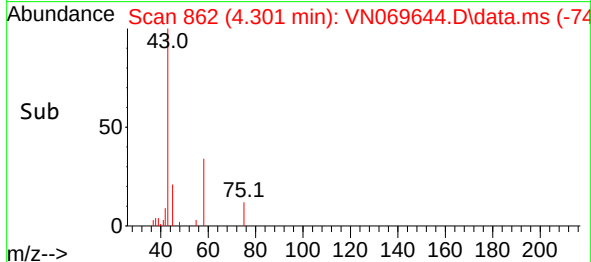
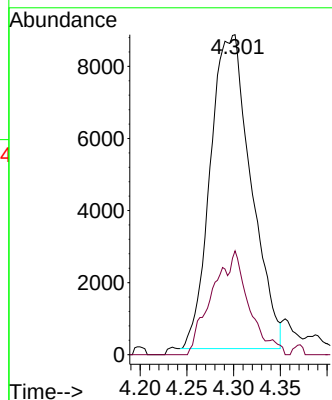
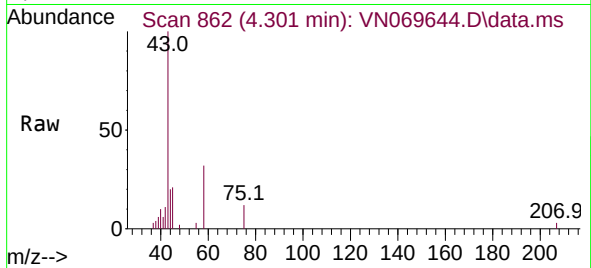




#16
Acetone
Concen: 2.151 ug/l
RT: 4.301 min Scan# 80
Delta R.T. 0.013 min
Lab File: VN069644.D
Acq: 24 Nov 2021 15:57

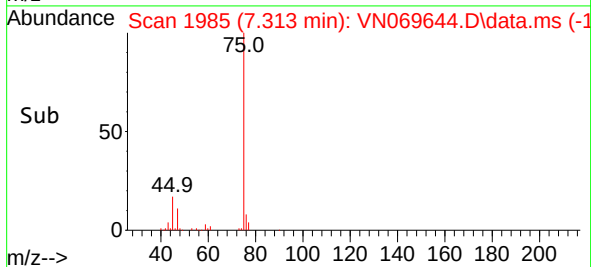
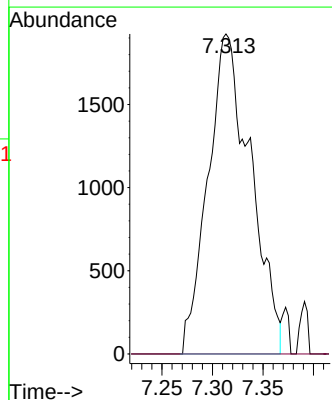
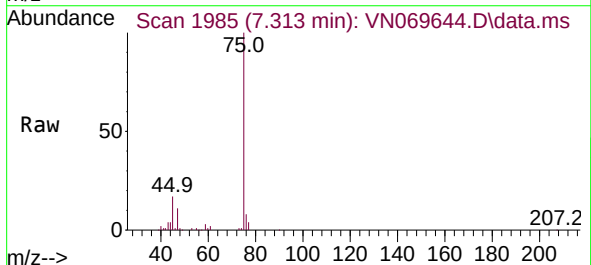
Instrument :
MSVOA_N
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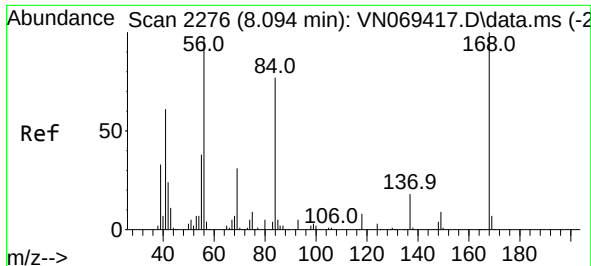
Tgt Ion: 43 Resp: 26421
Ion Ratio Lower Upper
43 100
58 33.1 23.1 34.7



#26
2,2-Dichloropropane
Concen: 0.234 ug/l
RT: 7.313 min Scan# 1985
Delta R.T. -0.014 min
Lab File: VN069644.D
Acq: 24 Nov 2021 15:57

Tgt Ion: 77 Resp: 5649
Ion Ratio Lower Upper
77 100
97 0.0 11.6 34.8#

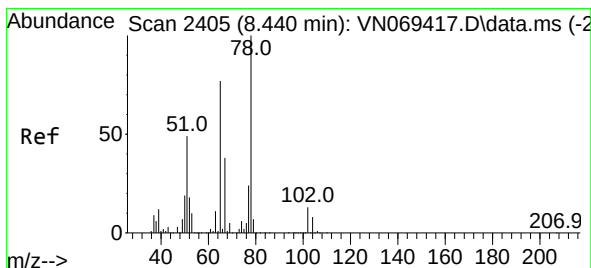
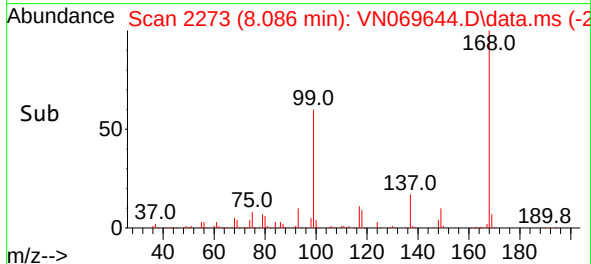
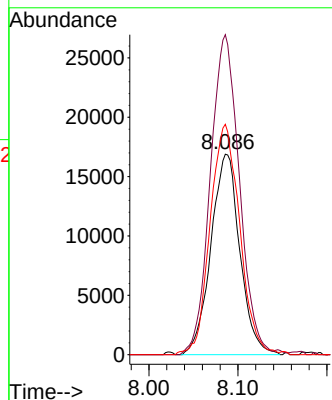
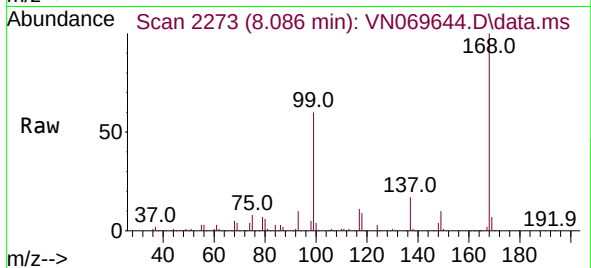




#31
Cyclohexane
Concen: 1.226 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069644.D
Acq: 24 Nov 2021 15:57

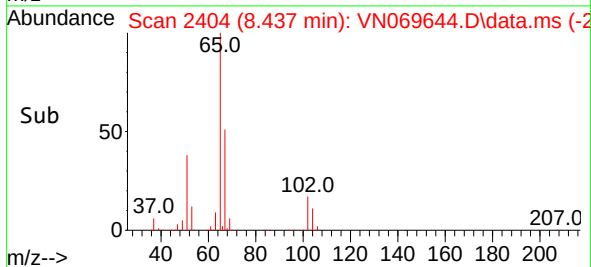
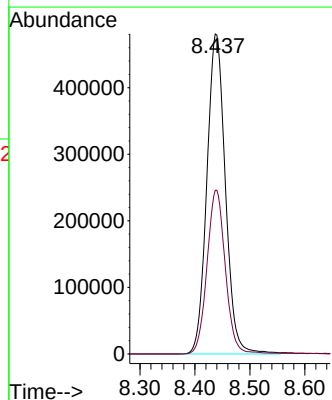
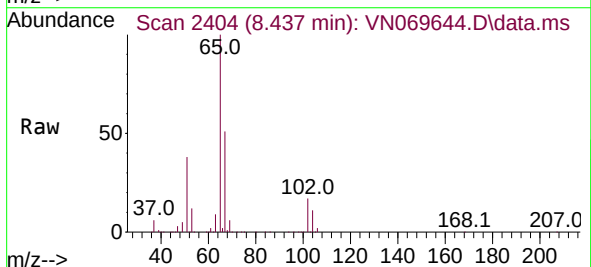
Instrument :
MSVOA_N
ClientSampleId :

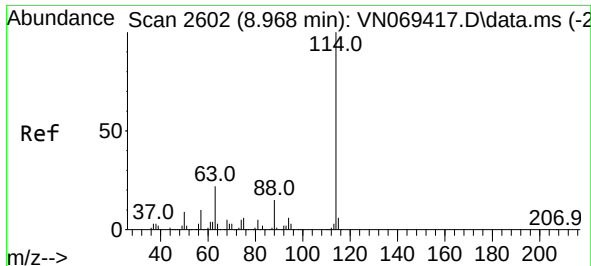
Tgt Ion: 56 Resp: 38129
Ion Ratio Lower Upper
56 100
69 159.6 27.1 40.7#
84 113.8 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 49.434 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN069644.D
Acq: 24 Nov 2021 15:57

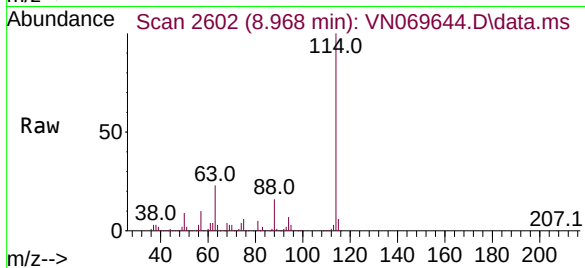
Tgt Ion: 65 Resp: 1125570
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.0



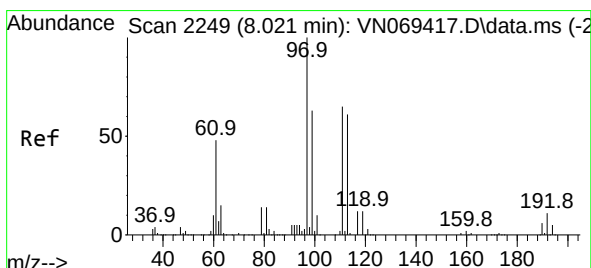
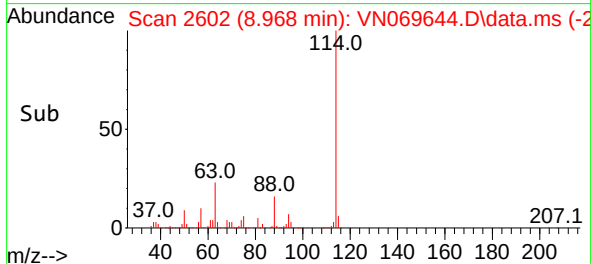
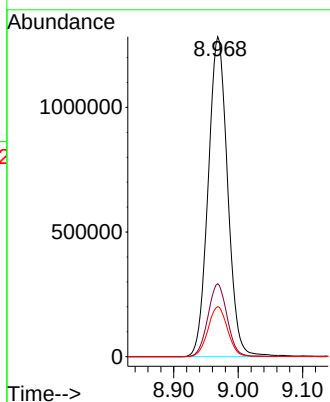


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2069
Delta R.T. 0.000 min
Lab File: VN069644.D
Acq: 24 Nov 2021 15:57

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ClientSampleId :

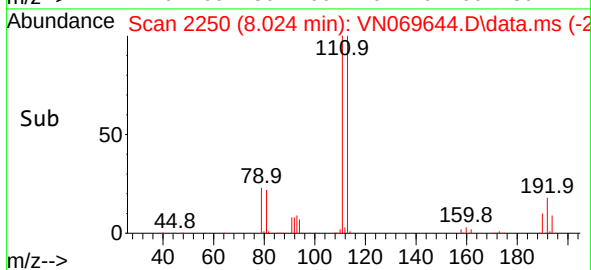
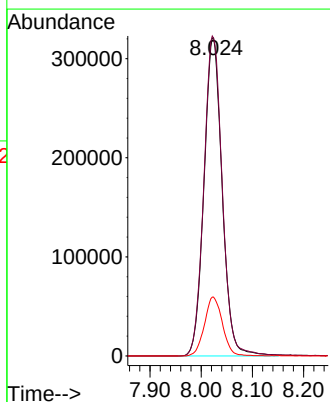
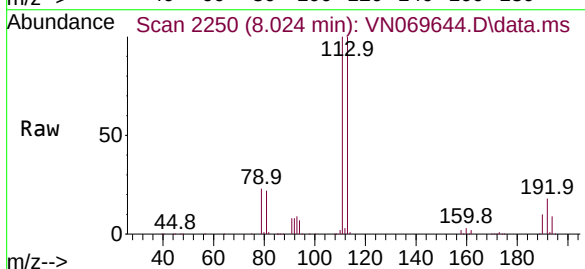


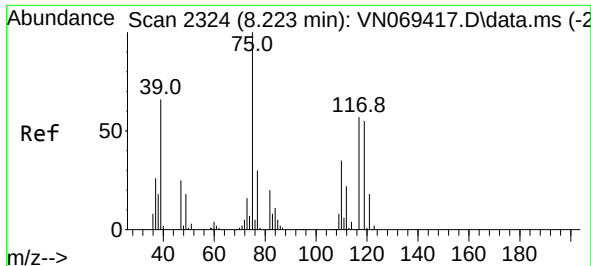
Tgt Ion:114 Resp: 2691454
Ion Ratio Lower Upper
114 100
63 22.8 0.0 37.8
88 15.6 0.0 27.4



#35
Dibromofluoromethane
Concen: 49.049 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069644.D
Acq: 24 Nov 2021 15:57

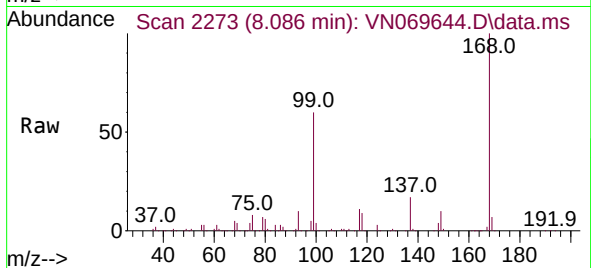
Tgt Ion:113 Resp: 791756
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 18.4 16.9 25.3



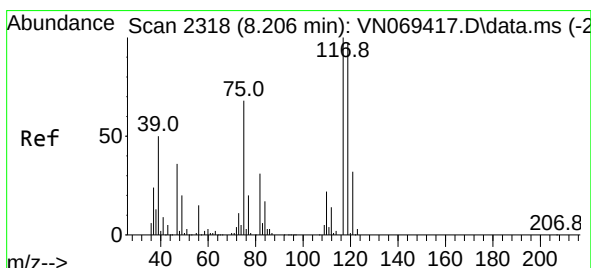
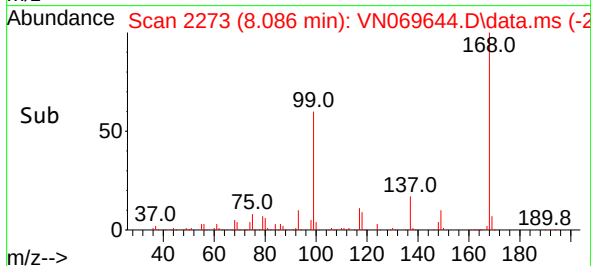
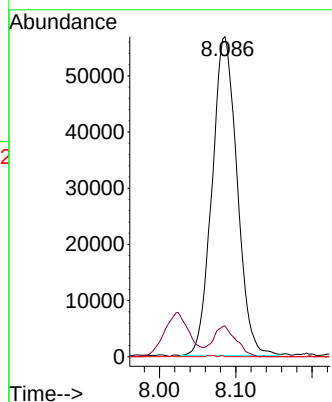


#36
 1,1-Dichloropropene
 Concen: 5.715 ug/l
 RT: 8.086 min Scan# 21
 Delta R.T. -0.137 min
 Lab File: VN069644.D
 Acq: 24 Nov 2021 15:57

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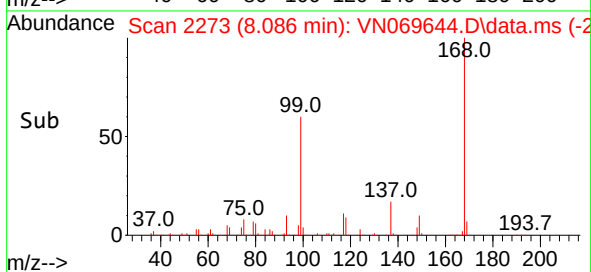
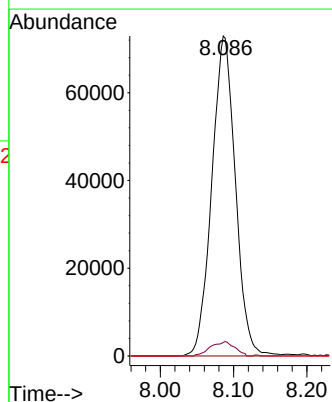
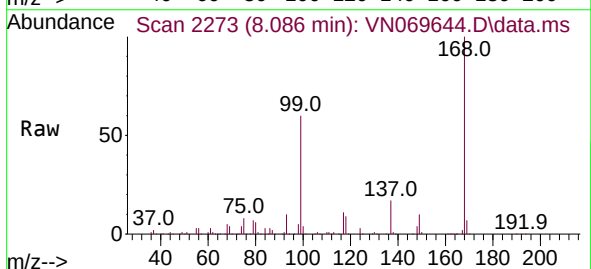


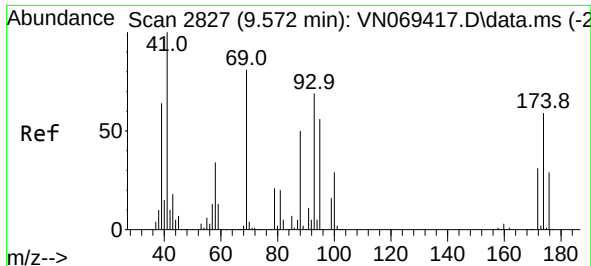
Tgt Ion: 75 Resp: 129432
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.4 55.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 7.446 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.120 min
 Lab File: VN069644.D
 Acq: 24 Nov 2021 15:57

Tgt Ion: 117 Resp: 162794
 Ion Ratio Lower Upper
 117 100
 119 4.2 76.1 114.1#
 121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 39.254 ug/l

RT: 9.293 min Scan# 21

Delta R.T. -0.279 min

Lab File: VN069644.D

Acq: 24 Nov 2021 15:57

Instrument :

MSVOA_N

ClientSampleId :

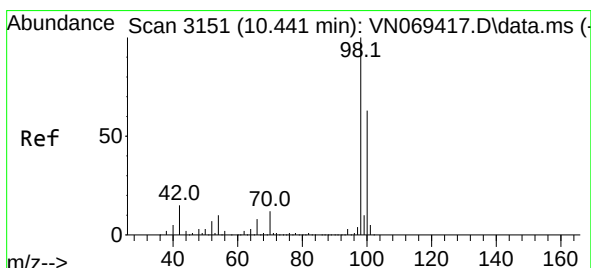
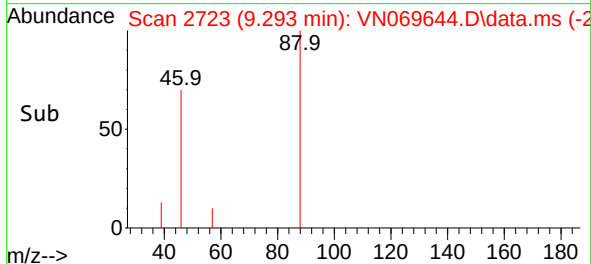
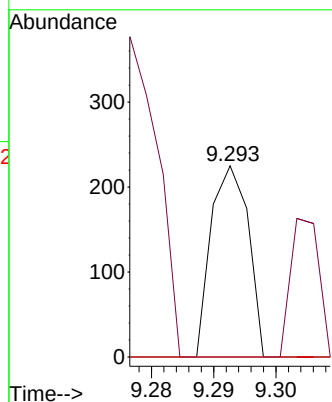
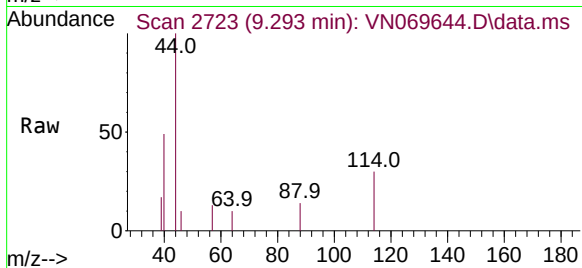
Tgt Ion: 88 Resp: 93

Ion Ratio Lower Upper

88 100

43 55.9 23.4 35.2#

58 0.0 50.6 75.8#



#50

Toluene-d8

Concen: 53.755 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.002 min

Lab File: VN069644.D

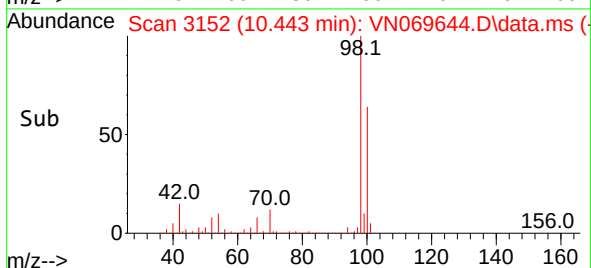
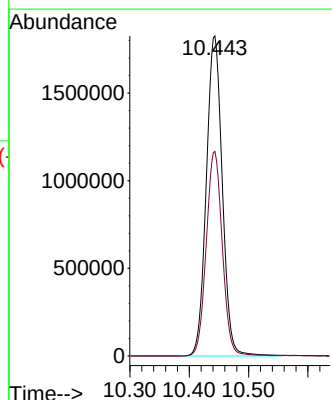
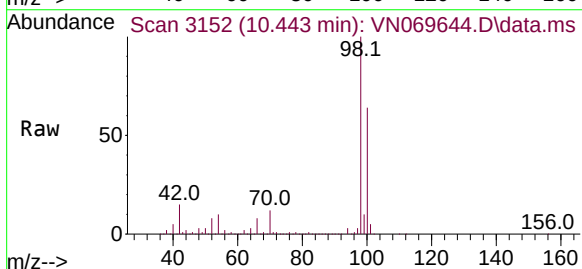
Acq: 24 Nov 2021 15:57

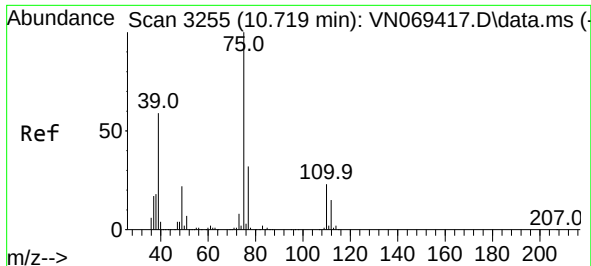
Tgt Ion: 98 Resp: 3412724

Ion Ratio Lower Upper

98 100

100 64.2 50.4 75.6

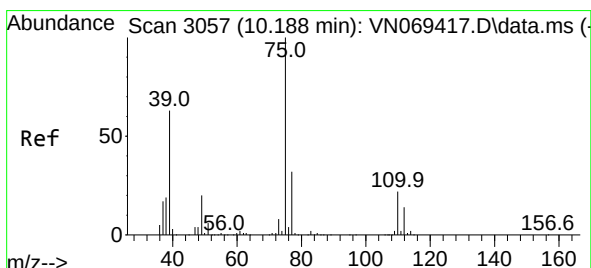
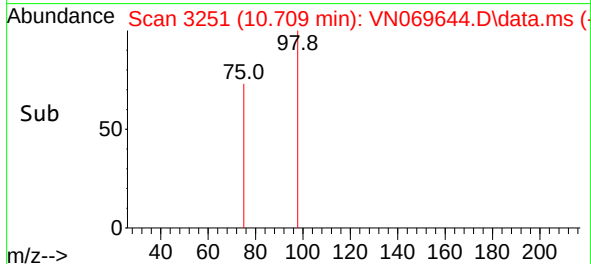
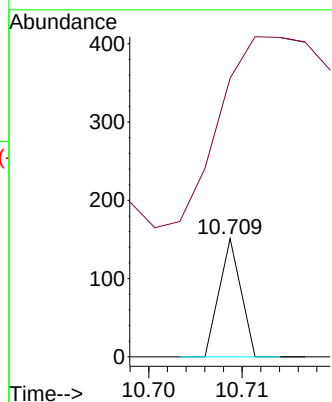
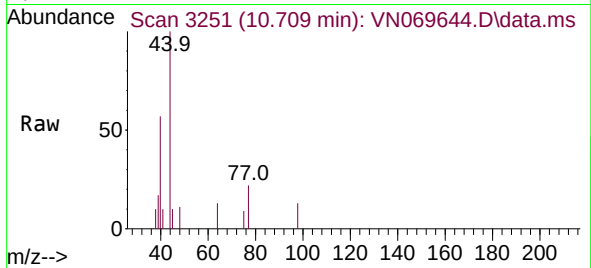




#53
t-1,3-Dichloropropene
Concen: 2.638 ug/l
RT: 10.709 min Scan# 31
Delta R.T. -0.010 min
Lab File: VN069644.D
Acq: 24 Nov 2021 15:57

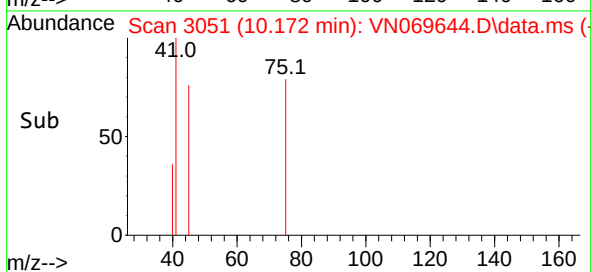
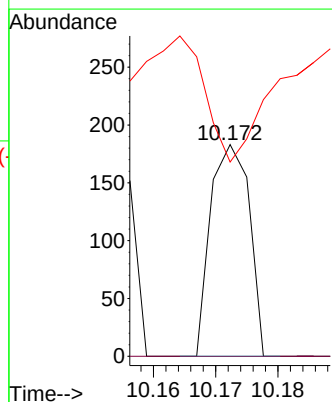
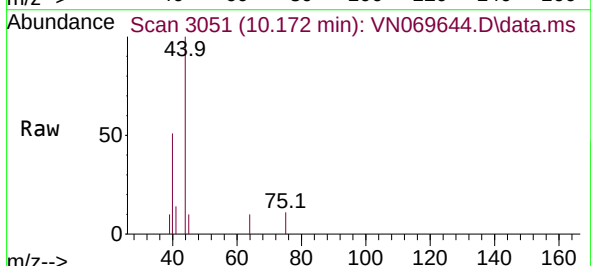
Instrument :
MSVOA_N
ClientSampleId :

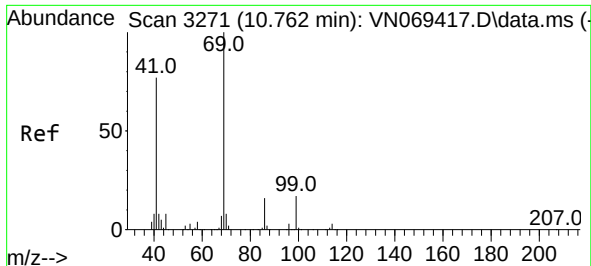
Tgt Ion: 75 Resp: 24
Ion Ratio Lower Upper
75 100
77 121.2 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 1.735 ug/l
RT: 10.172 min Scan# 3051
Delta R.T. -0.016 min
Lab File: VN069644.D
Acq: 24 Nov 2021 15:57

Tgt Ion: 75 Resp: 79
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 0.0 42.5 63.7#

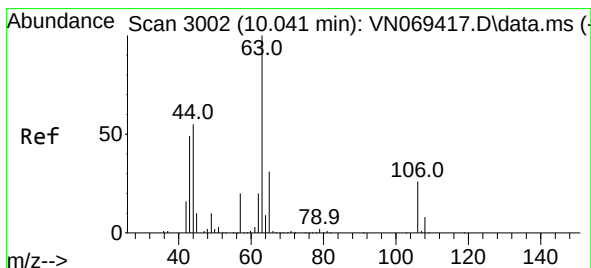
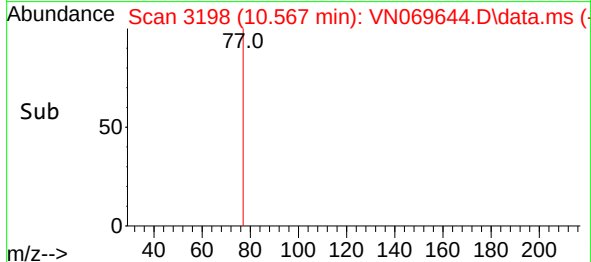
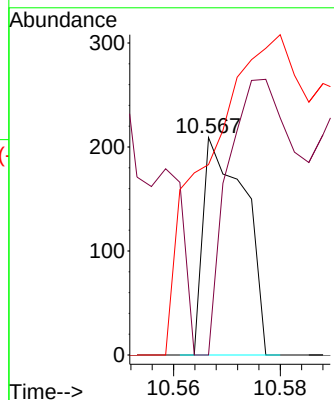
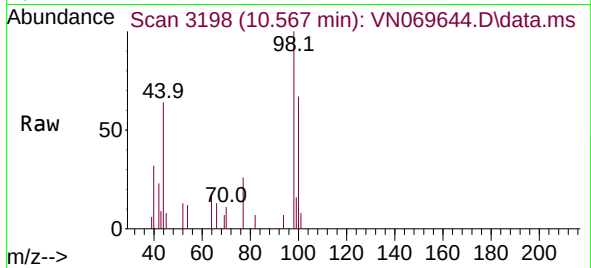




#56
Ethyl methacrylate
Concen: 2.056 ug/l
RT: 10.567 min Scan# 31
Delta R.T. -0.195 min
Lab File: VN069644.D
Acq: 24 Nov 2021 15:57

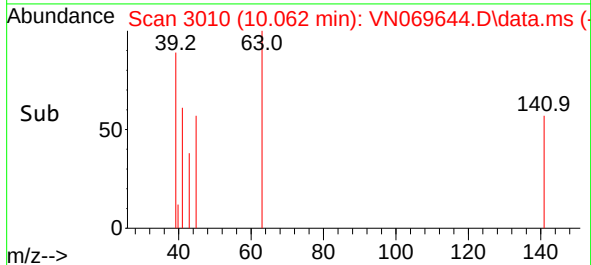
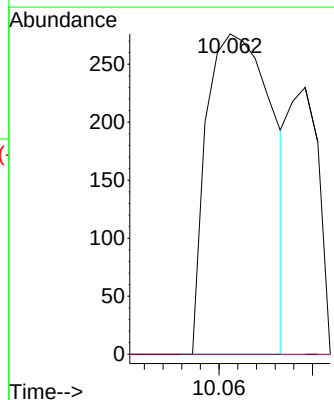
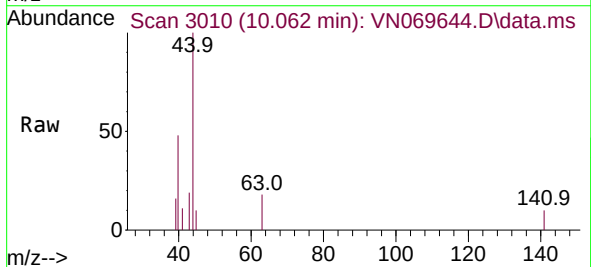
Instrument :
MSVOA_N
ClientSampleId :

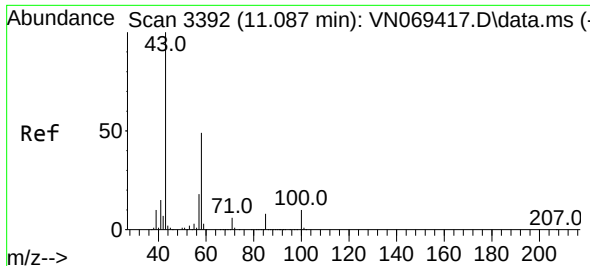
Tgt Ion: 69 Resp: 113
Ion Ratio Lower Upper
69 100
41 215.9 51.4 77.0#
39 341.6 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 22.799 ug/l
RT: 10.062 min Scan# 3010
Delta R.T. 0.021 min
Lab File: VN069644.D
Acq: 24 Nov 2021 15:57

Tgt Ion: 63 Resp: 270
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

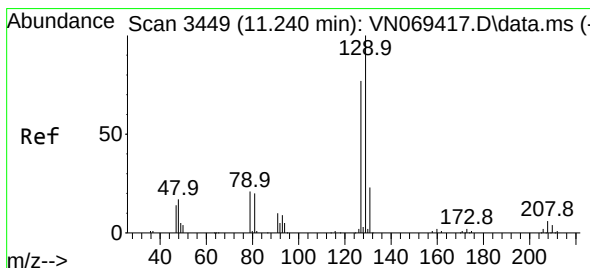
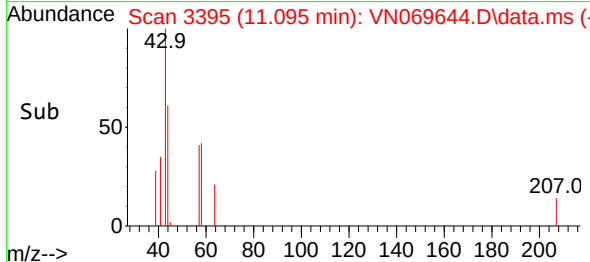
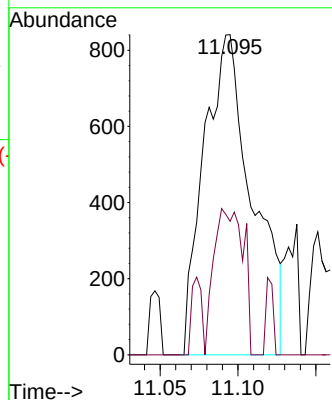
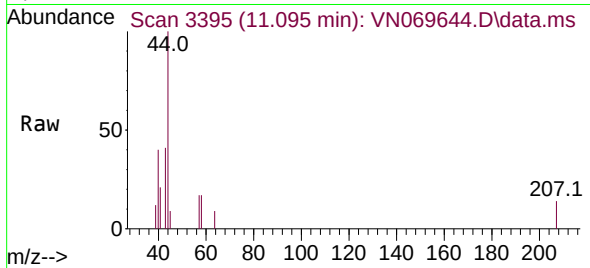




#59
2-Hexanone
Concen: 8.008 ug/l
RT: 11.095 min Scan# 31
Delta R.T. 0.008 min
Lab File: VN069644.D
Acq: 24 Nov 2021 15:57

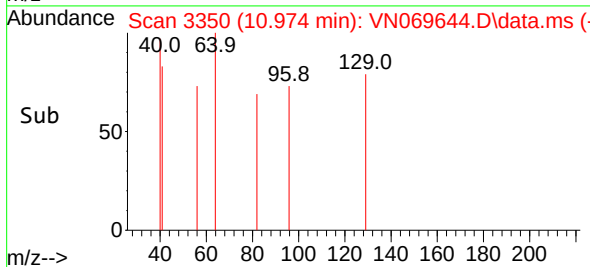
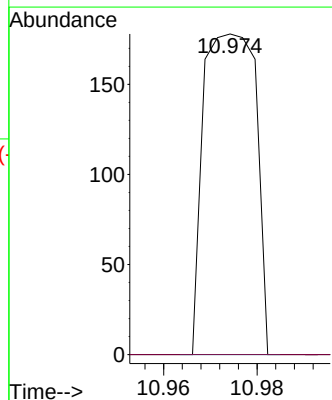
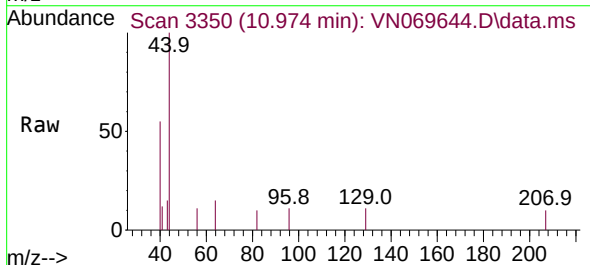
Instrument :
MSVOA_N
ClientSampleId :

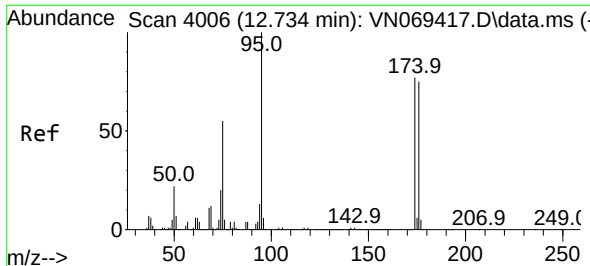
Tgt Ion: 43 Resp: 1822
Ion Ratio Lower Upper
43 100
58 27.8 26.9 80.7



#60
Dibromochloromethane
Concen: 2.424 ug/l
RT: 10.974 min Scan# 3350
Delta R.T. -0.266 min
Lab File: VN069644.D
Acq: 24 Nov 2021 15:57

Tgt Ion:129 Resp: 138
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

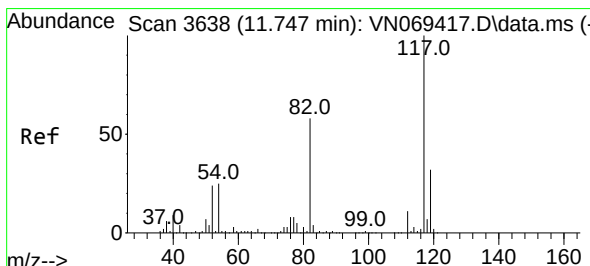
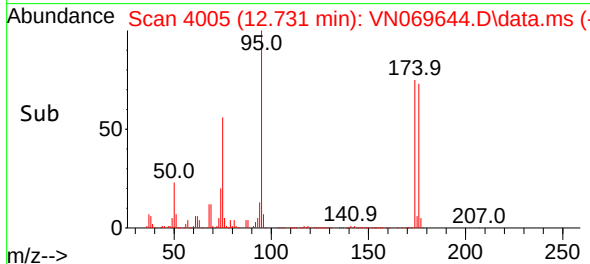
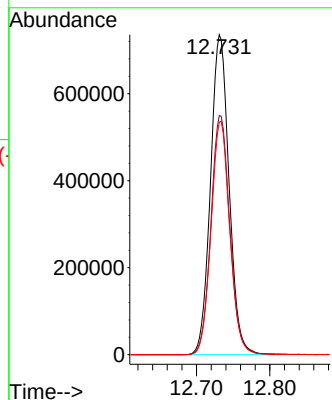
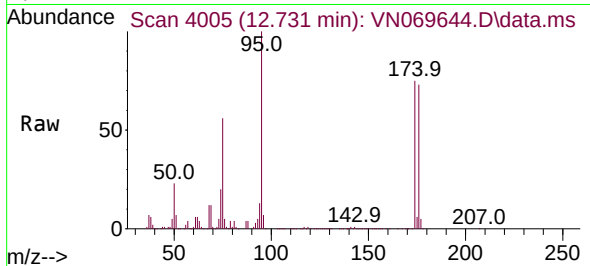




#62
4-Bromofluorobenzene
Concen: 55.464 ug/l
RT: 12.731 min Scan# 4006
Delta R.T. -0.003 min
Lab File: VN069644.D
Acq: 24 Nov 2021 15:57

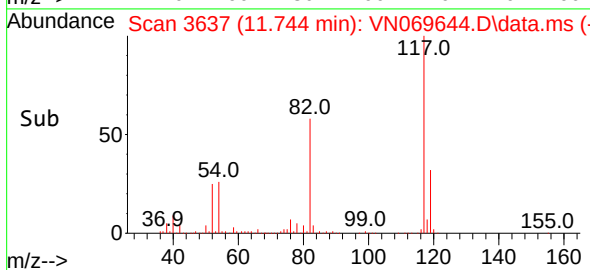
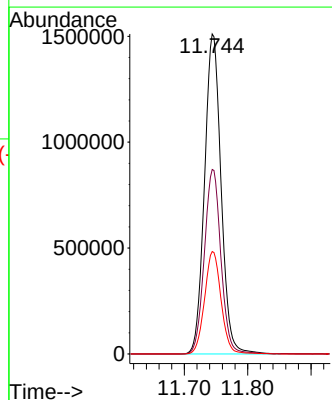
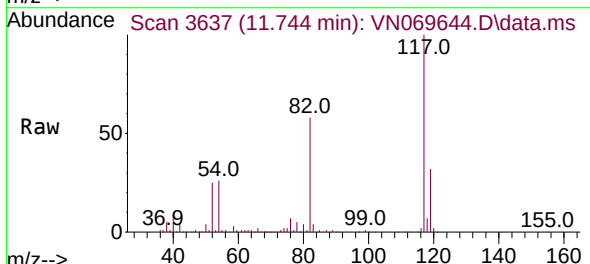
Instrument :
MSVOA_N
ClientSampleId :

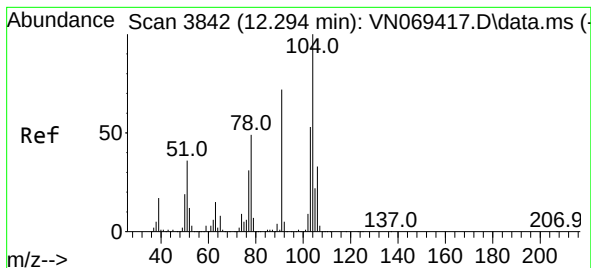
Tgt Ion: 95 Resp: 1293569
Ion Ratio Lower Upper
95 100
174 76.2 0.0 187.2
176 73.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.003 min
Lab File: VN069644.D
Acq: 24 Nov 2021 15:57

Tgt Ion: 117 Resp: 2742163
Ion Ratio Lower Upper
117 100
82 57.7 42.4 63.6
119 32.0 25.4 38.2





#70

Styrene

Concen: 1.522 ug/l

RT: 12.288 min Scan# 3842

Delta R.T. -0.006 min

Lab File: VN069644.D

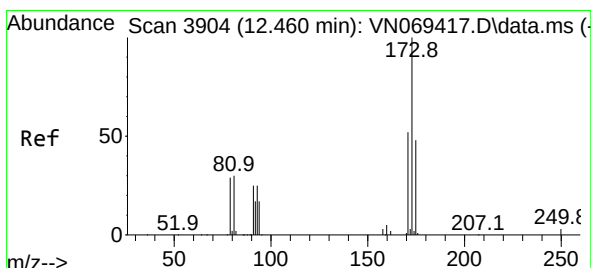
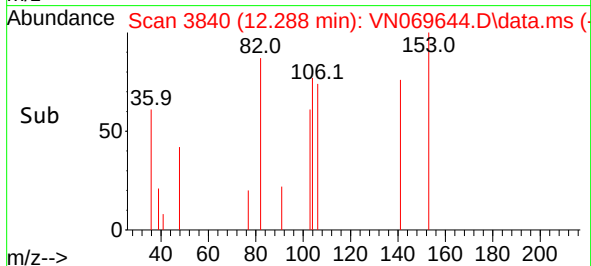
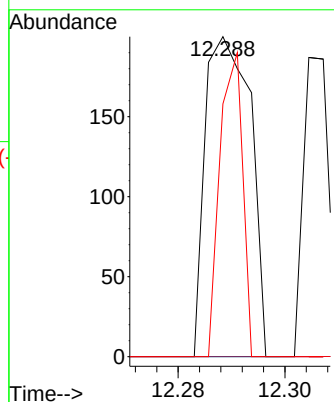
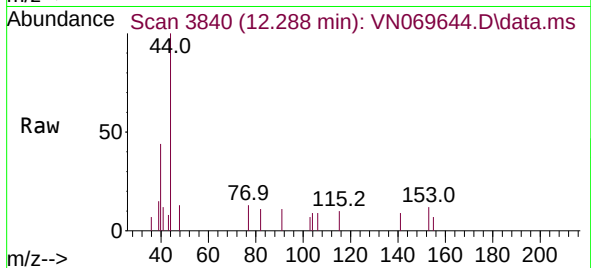
Acq: 24 Nov 2021 15:57

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	104	Resp:	117
Ion Ratio	Lower	Upper	
104	100		
78	0.0	38.7	58.1#
103	47.9	45.0	67.6



#71

Bromoform

Concen: 3.432 ug/l

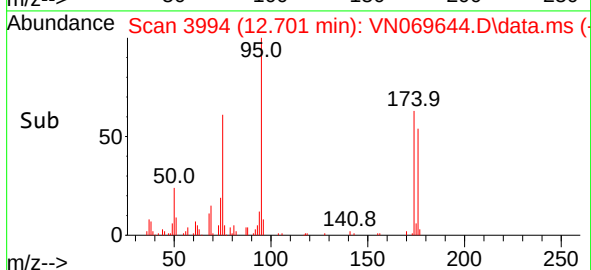
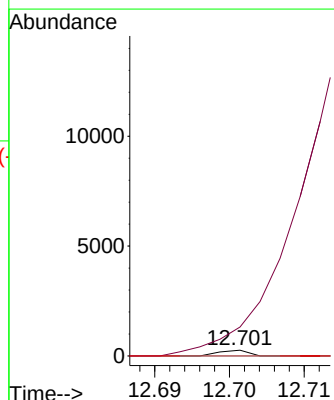
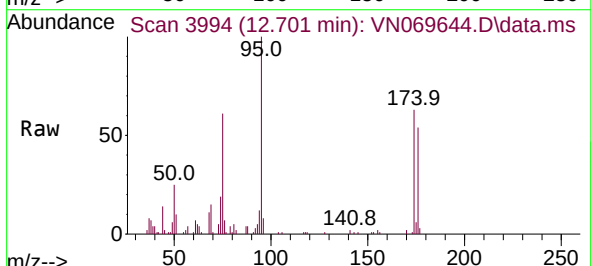
RT: 12.701 min Scan# 3994

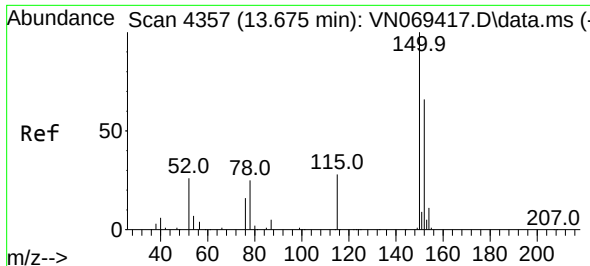
Delta R.T. 0.241 min

Lab File: VN069644.D

Acq: 24 Nov 2021 15:57

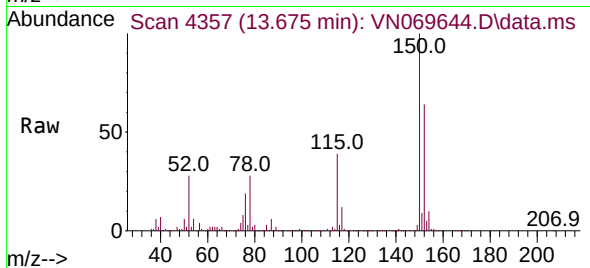
Tgt Ion:	173	Resp:	72
Ion Ratio	Lower	Upper	
173	100		
175	0.0	24.2	72.6#
254	0.0	0.0	0.0





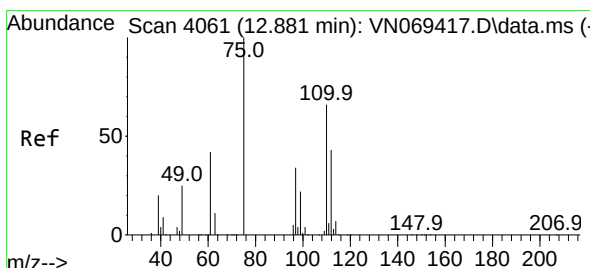
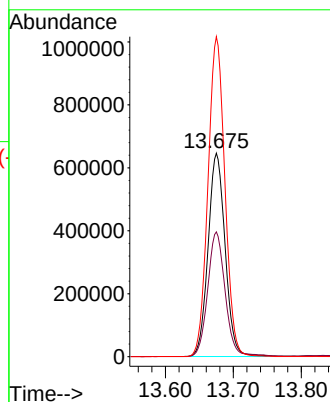
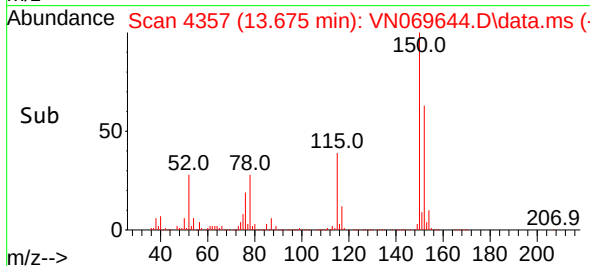
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VN069644.D
 Acq: 24 Nov 2021 15:57

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:152 Resp: 1127541

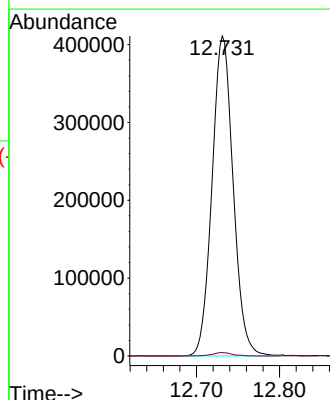
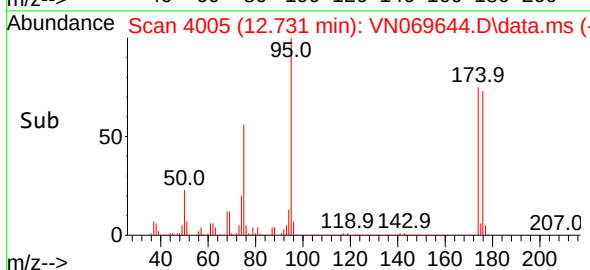
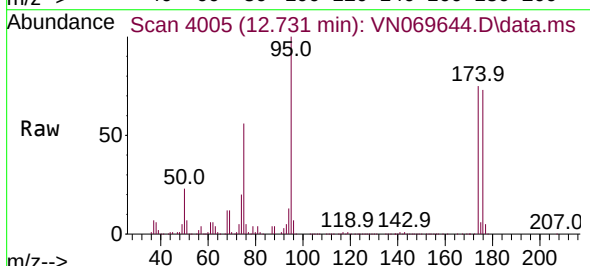
Ion	Ratio	Lower	Upper
152	100		
115	63.1	27.5	82.5
150	155.9	0.0	344.4

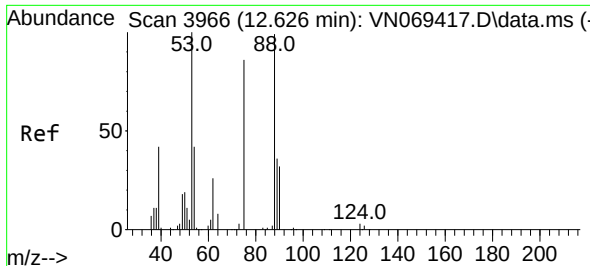


#76
 1,2,3-Trichloropropane
 Concen: 27.921 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.150 min
 Lab File: VN069644.D
 Acq: 24 Nov 2021 15:57

Tgt Ion: 75 Resp: 726523

Ion	Ratio	Lower	Upper
75	100		
77	1.0	82.6	247.8#

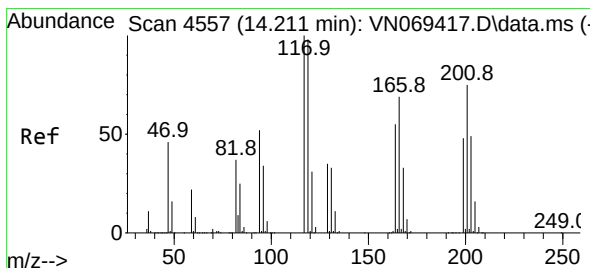
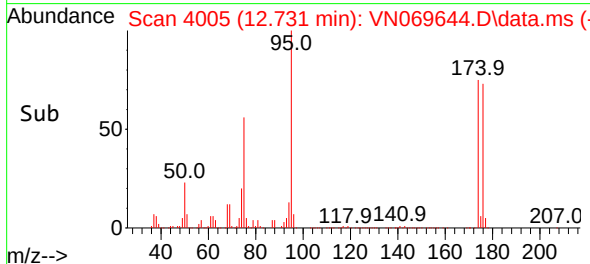
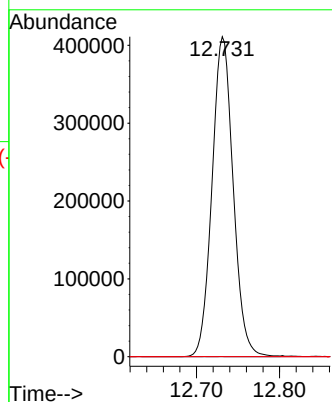
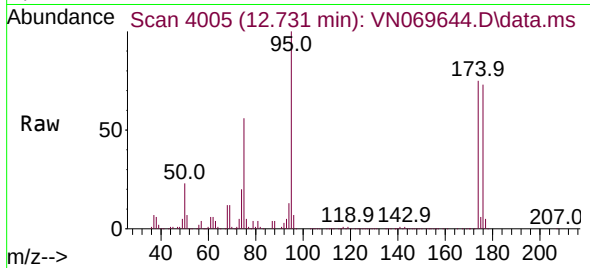




#81
trans-1,4-Dichloro-2-butene
Concen: 79.278 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069644.D
Acq: 24 Nov 2021 15:57

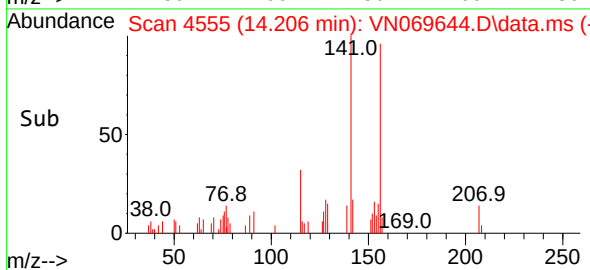
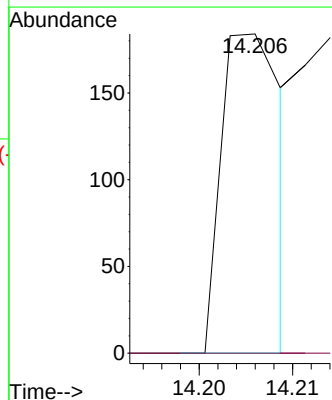
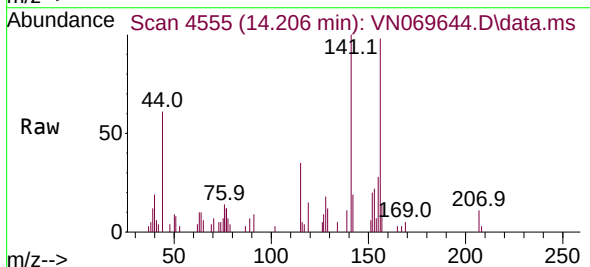
Instrument :
MSVOA_N
ClientSampleId :

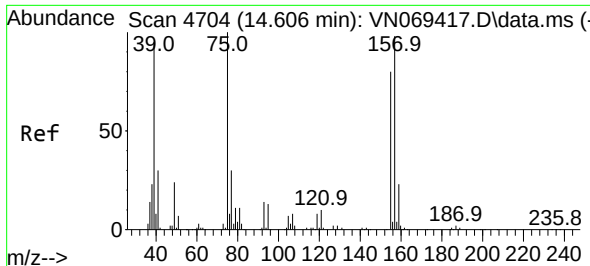
Tgt Ion: 75 Resp: 726523
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#90
Hexachloroethane
Concen: 2.168 ug/l
RT: 14.206 min Scan# 4555
Delta R.T. -0.005 min
Lab File: VN069644.D
Acq: 24 Nov 2021 15:57

Tgt Ion: 117 Resp: 84
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#

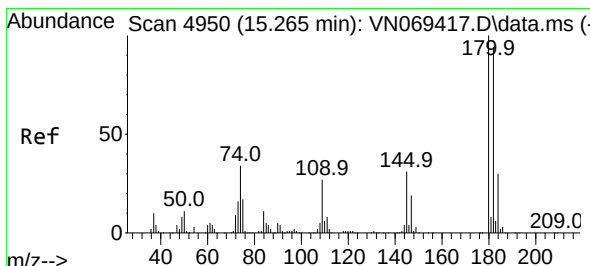
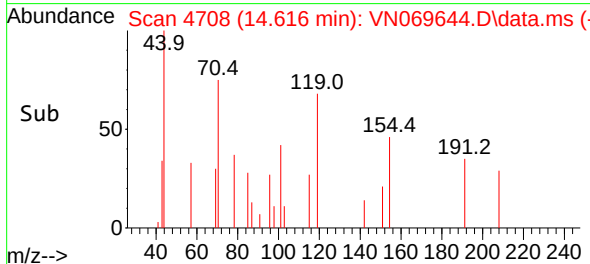
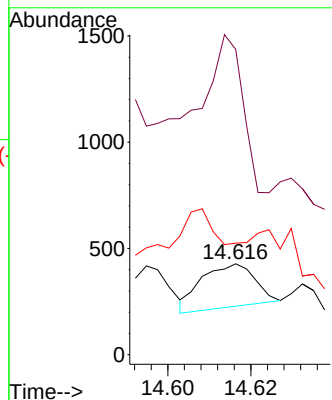
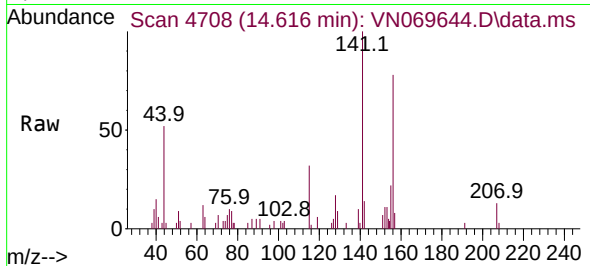




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.828 ug/l
 RT: 14.616 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VN069644.D
 Acq: 24 Nov 2021 15:57

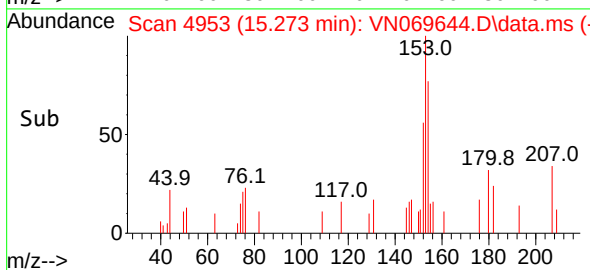
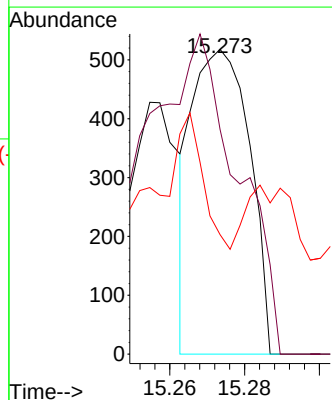
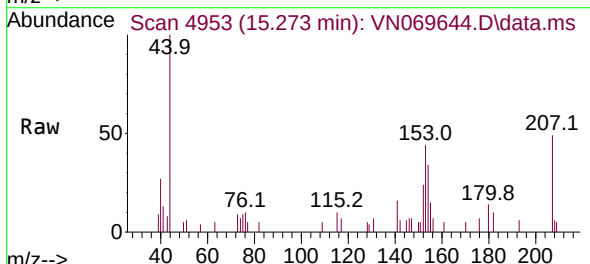
Instrument :
 MSVOA_N
 ClientSampleId :

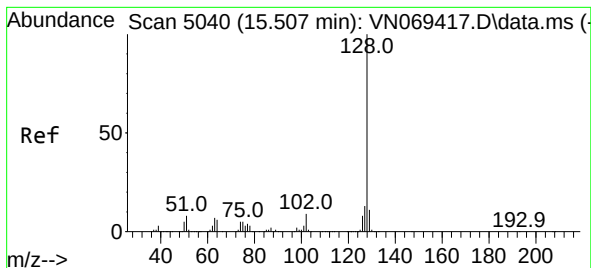
Tgt Ion: 75 Resp: 184
 Ion Ratio Lower Upper
 75 100
 155 210.9 46.9 140.7#
 157 79.3 60.6 181.7



#93
 1,2,4-Trichlorobenzene
 Concen: 3.143 ug/l
 RT: 15.273 min Scan# 4953
 Delta R.T. 0.008 min
 Lab File: VN069644.D
 Acq: 24 Nov 2021 15:57

Tgt Ion:180 Resp: 554
 Ion Ratio Lower Upper
 180 100
 182 172.7 48.3 144.9#
 145 94.6 14.5 43.5#





#95

Naphthalene

Concen: 5.312 ug/l

RT: 15.507 min Scan# 5040

Delta R.T. -0.000 min

Lab File: VN069644.D

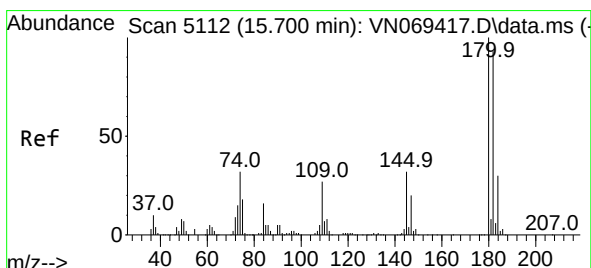
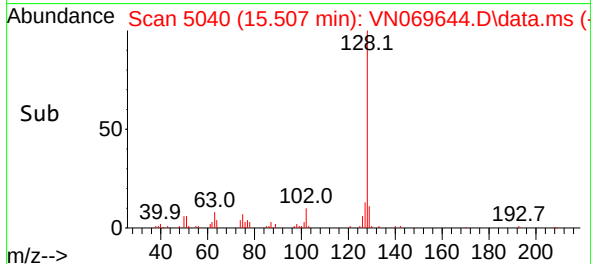
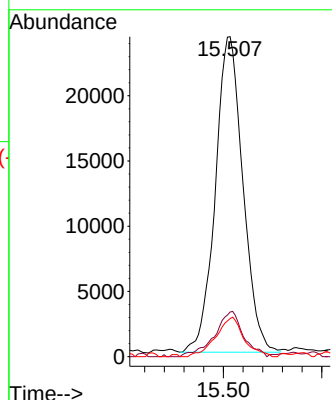
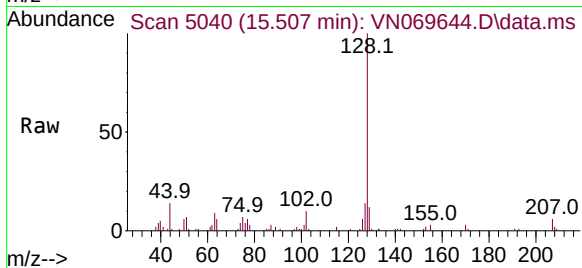
Acq: 24 Nov 2021 15:57

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	47278
Ion Ratio	Lower	Upper
128	100	
127	14.9	10.5 15.7
129	12.6	8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 3.192 ug/l

RT: 15.694 min Scan# 5110

Delta R.T. -0.006 min

Lab File: VN069644.D

Acq: 24 Nov 2021 15:57

Tgt Ion:180	Resp:	414
Ion Ratio	Lower	Upper
180	100	
182	104.1	47.4 142.2
145	87.7	15.0 45.1#

