

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111621\
 Data File : VN069513.D
 Acq On : 16 Nov 2021 17:16
 Operator : JC/MD
 Sample : M4641-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 17 00:57:26 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)

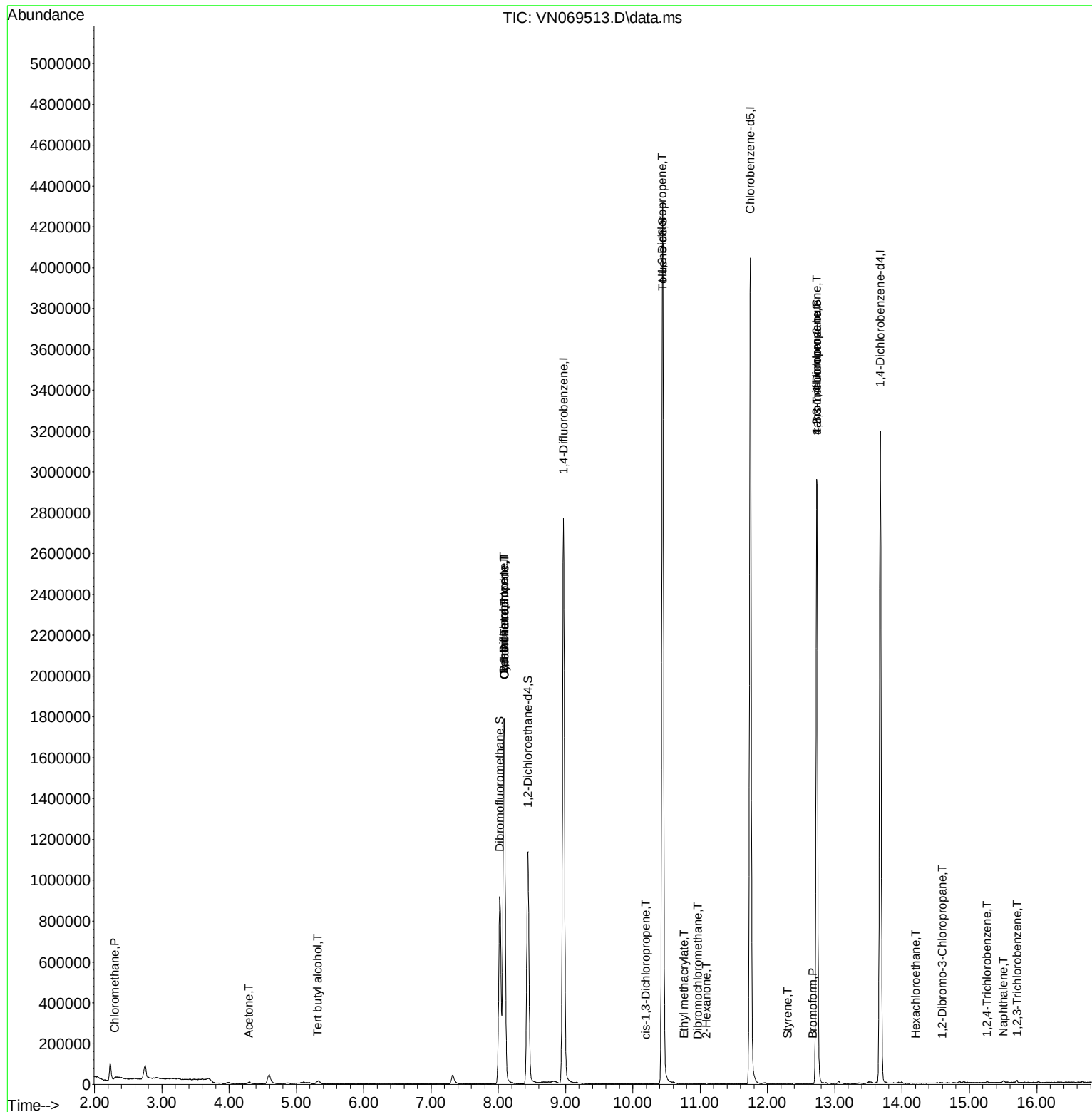
Internal Standards						
1) Pentafluorobenzene	8.086	168	1330303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2329682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2305698	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	857248	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	973182	50.45	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	=	100.90%	
35) Dibromofluoromethane	8.021	113	669723	47.93	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	=	95.86%	
50) Toluene-d8	10.443	98	2961978	53.90	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	=	107.80%	
62) 4-Bromofluorobenzene	12.731	95	1033646	51.20	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	=	102.40%	
Target Compounds					Qvalue	
3) Chloromethane	2.301	50	4288	0.26	ug/l	96
11) Tert butyl alcohol	5.318	59	8087	2.33	ug/l #	71
13) Acrolein	4.028	56	546	Below Cal	#	47
16) Acetone	4.291	43	4490	0.43	ug/l #	85
31) Cyclohexane	8.088	56	34241	1.30	ug/l #	36
36) 1,1-Dichloropropene	8.086	75	113805	5.81	ug/l #	50
38) Carbon Tetrachloride	8.088	117	141628	7.48	ug/l #	17
53) t-1,3-Dichloropropene	10.435	75	377	2.65	ug/l #	1
54) cis-1,3-Dichloropropene	10.191	75	53	1.73	ug/l #	32
56) Ethyl methacrylate	10.760	69	173	2.06	ug/l #	23
59) 2-Hexanone	11.090	43	2188	8.03	ug/l	94
60) Dibromochloromethane	10.966	129	153	2.43	ug/l #	11
70) Styrene	12.299	104	533	1.53	ug/l #	75
71) Bromoform	12.672	173	24	3.43	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	581278	29.38	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	581278	83.13	ug/l #	5
90) Hexachloroethane	14.206	117	51	2.17	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.598	75	86	1.82	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.260	180	1473	3.22	ug/l	81
95) Naphthalene	15.507	128	8546	4.66	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.708	180	654	3.22	ug/l #	1

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

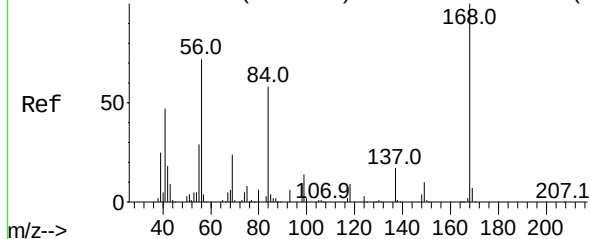
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111621\
Data File : VN069513.D
Acq On : 16 Nov 2021 17:16
Operator : JC/MD
Sample : M4641-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 17 00:57:26 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



Abundance Scan 2273 (8.086 min): VN069417.D\data.ms (-2249) (-)



Pentafluorobenzene

Concen: 50.00 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.000 min

Lab File: VN069513.D

Acq: 16 Nov 2021 17:16

Instrument :

MSVOA_N

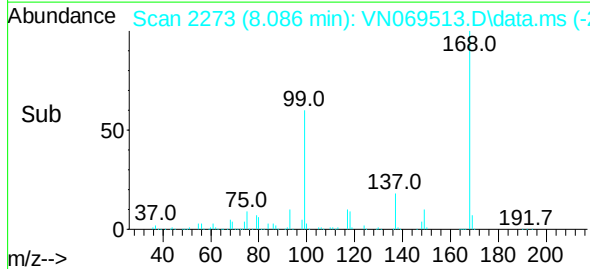
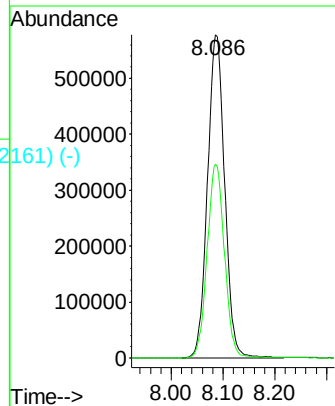
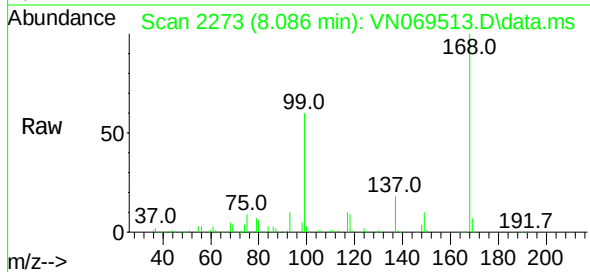
ClientSampleId :

Tgt Ion:168 Resp: 1330303

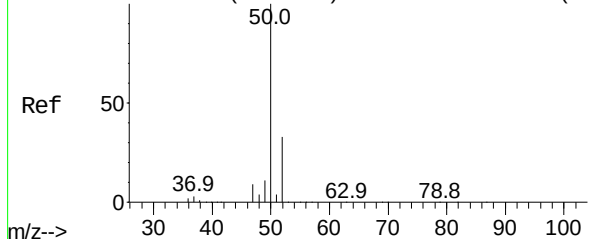
Ion Ratio Lower Upper

168 100

99 60.1 41.3 61.9



Abundance Scan 117 (2.303 min): VN069417.D\data.ms (-96) #3



Chloromethane

Concen: 0.26 ug/l

RT: 2.301 min Scan# 116

Delta R.T. -0.002 min

Lab File: VN069513.D

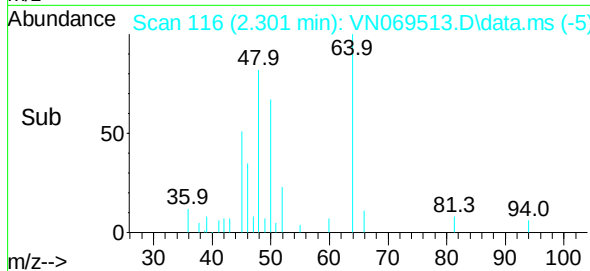
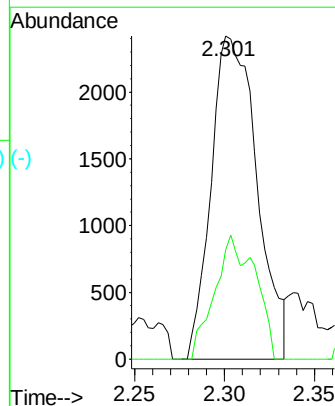
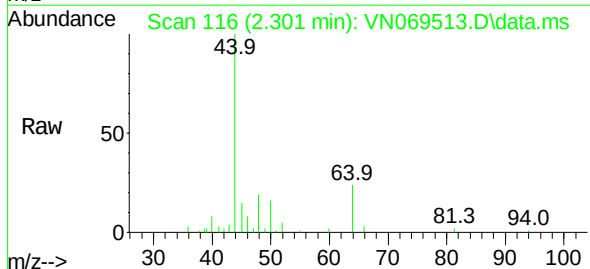
Acq: 16 Nov 2021 17:16

Tgt Ion: 50 Resp: 4288

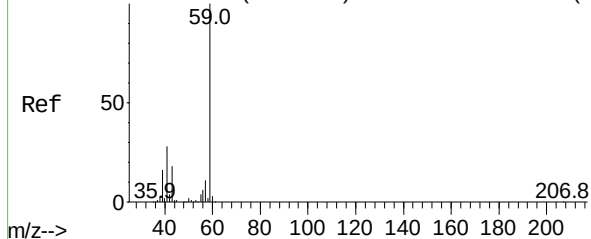
Ion Ratio Lower Upper

50 100

52 33.9 25.4 38.0



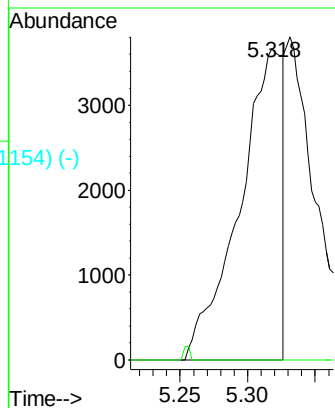
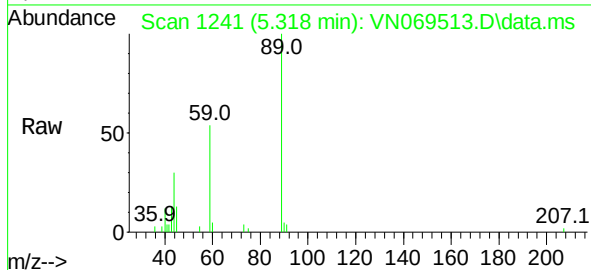
Abundance Scan 1266 (5.385 min): VN069417.D\data.ms (-12321-)



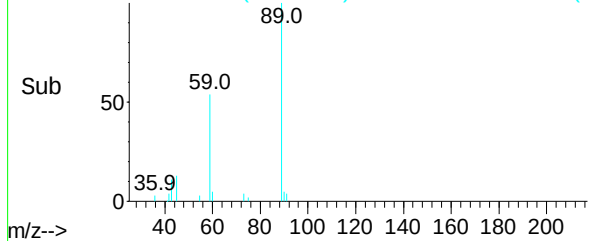
Tert butyl alcohol
Concen: 2.33 ug/l
RT: 5.318 min Scan# 1241
Delta R.T. -0.067 min
Lab File: VN069513.D
Acq: 16 Nov 2021 17:16

Instrument :
MSVOA_N
ClientSampleId :

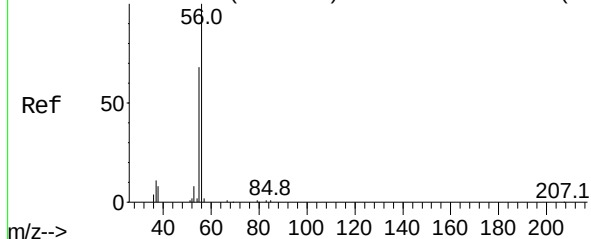
Tgt Ion: 59 Resp: 8087
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



Abundance Scan 1241 (5.318 min): VN069513.D\data.ms (-1154-)

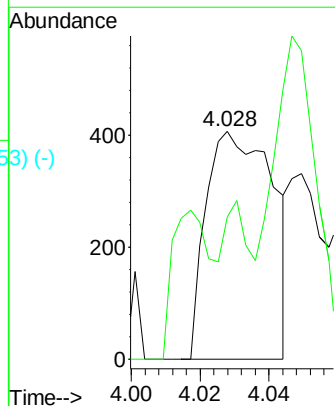
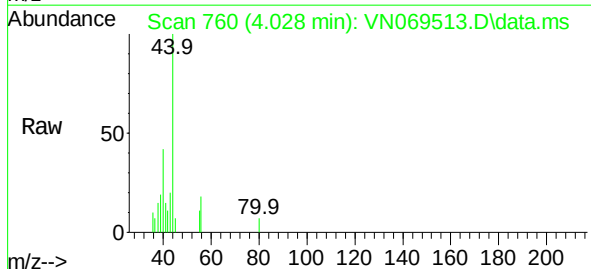


Abundance Scan 765 (4.041 min): VN069417.D\data.ms (-738718)

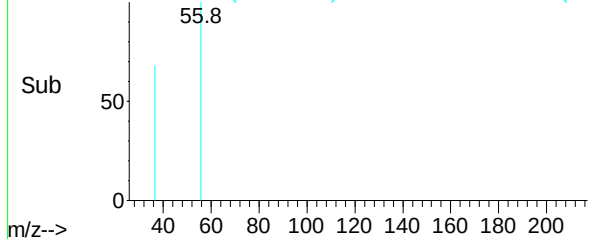


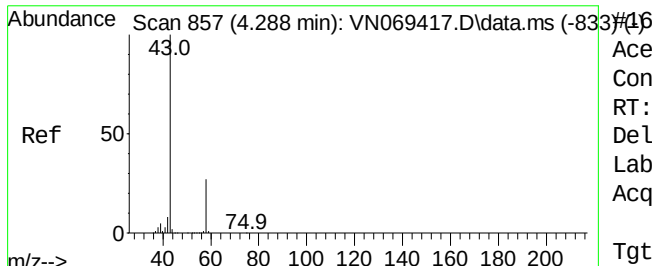
Acrolein
Concen: Below Cal
RT: 4.028 min Scan# 760
Delta R.T. -0.013 min
Lab File: VN069513.D
Acq: 16 Nov 2021 17:16

Tgt Ion: 56 Resp: 546
Ion Ratio Lower Upper
56 100
55 27.1 56.6 85.0#



Abundance Scan 760 (4.028 min): VN069513.D\data.ms (-653-)





Acetone

Concen: 0.43 ug/l

RT: 4.291 min Scan# 816

Delta R.T. 0.003 min

Lab File: VN069513.D

Acq: 16 Nov 2021 17:16

Instrument :

MSVOA_N

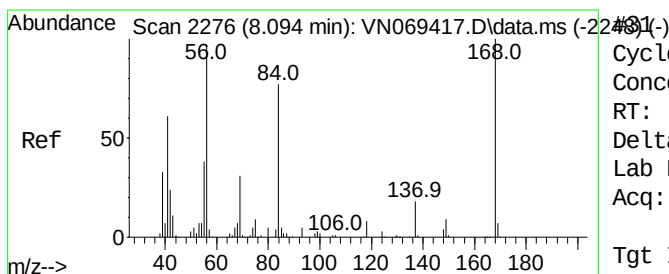
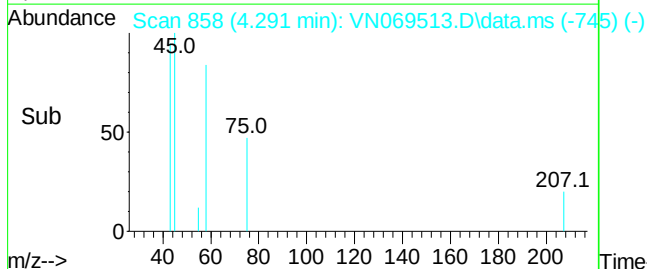
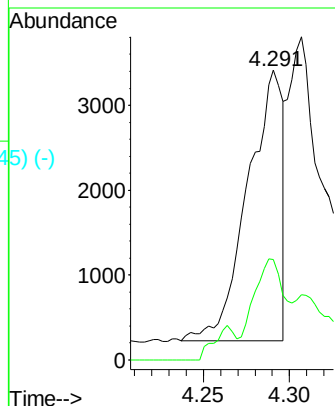
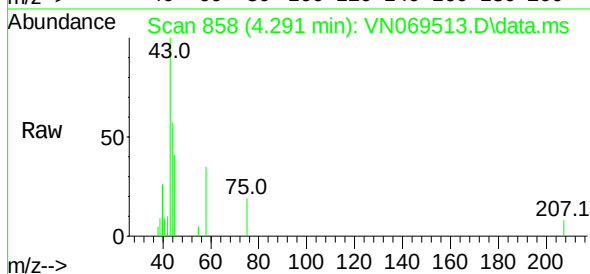
ClientSampleId :

Tgt Ion: 43 Resp: 4490

Ion Ratio Lower Upper

43 100

58 37.0 23.1 34.7#



Cyclohexane

Concen: 1.30 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.006 min

Lab File: VN069513.D

Acq: 16 Nov 2021 17:16

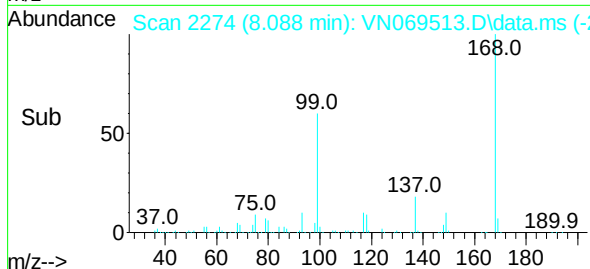
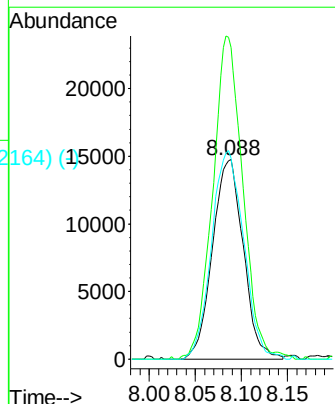
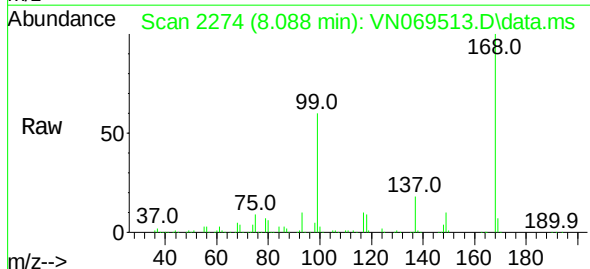
Tgt Ion: 56 Resp: 34241

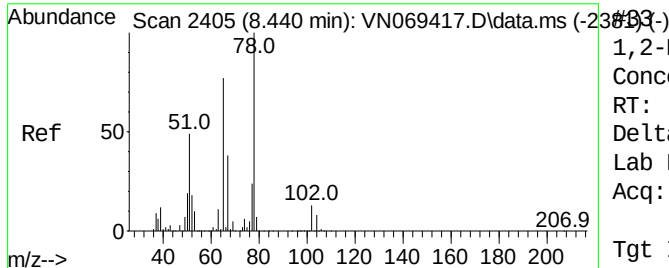
Ion Ratio Lower Upper

56 100

69 155.0 27.1 40.7#

84 100.8 73.4 110.0

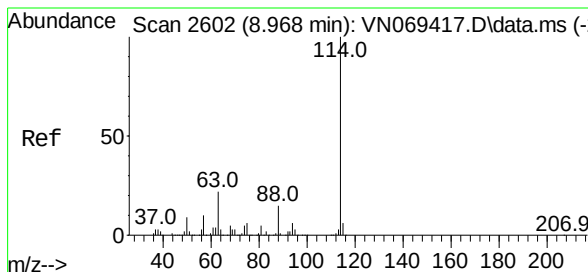
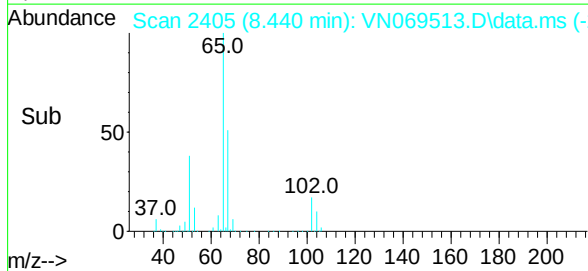
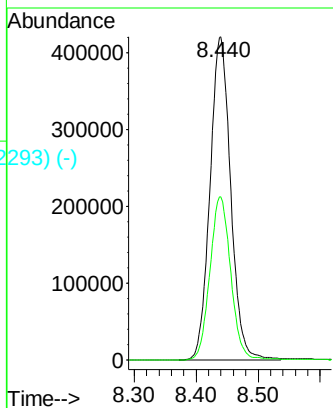
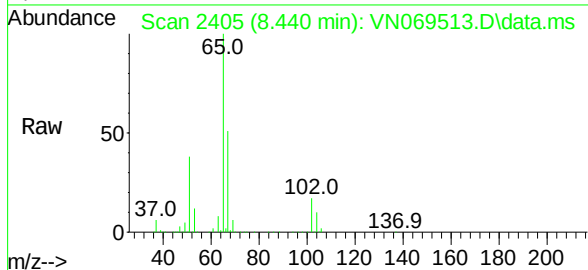




1,2-Dichloroethane-d4
Concen: 50.45 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069513.D
Acq: 16 Nov 2021 17:16

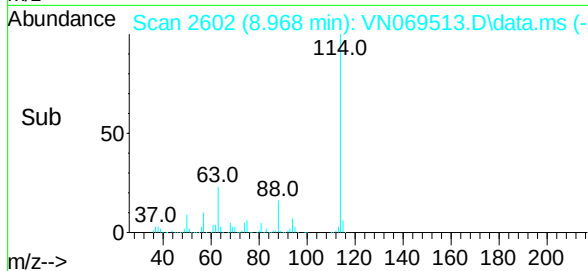
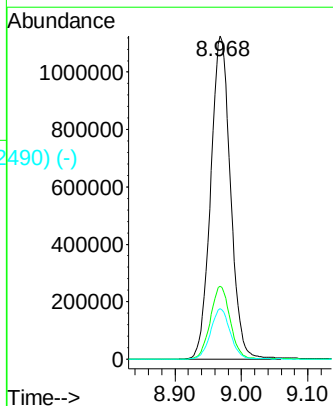
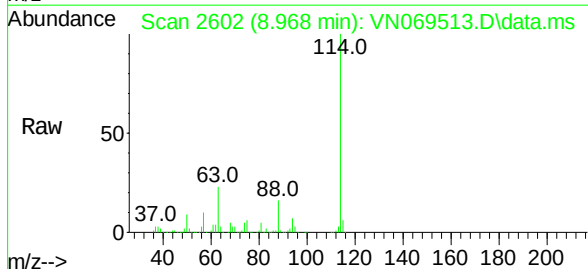
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 65 Resp: 973182
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.0

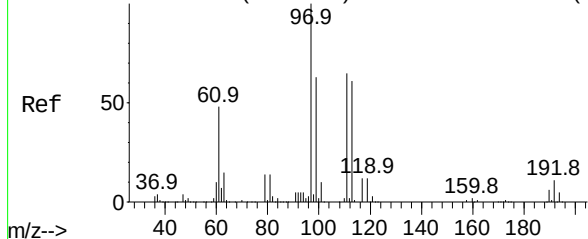


1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069513.D
Acq: 16 Nov 2021 17:16

Tgt Ion:114 Resp: 2329682
Ion Ratio Lower Upper
114 100
63 22.6 0.0 37.8
88 15.6 0.0 27.4



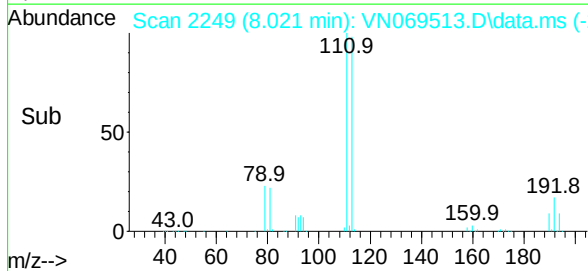
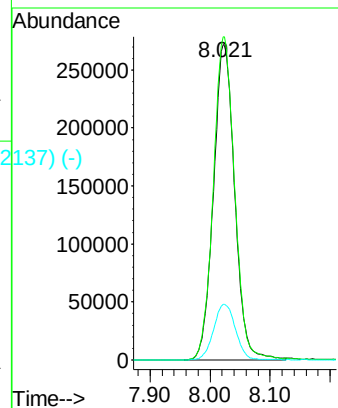
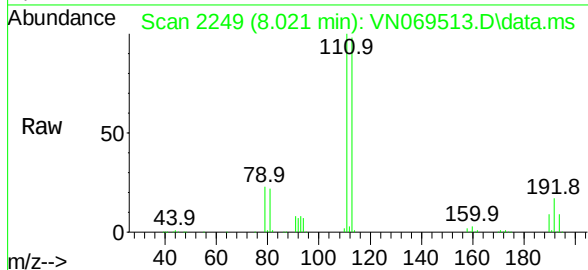
Abundance Scan 2249 (8.021 min): VN069417.D\data.ms (-2235)



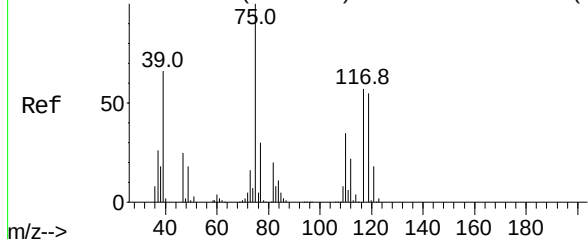
Dibromofluoromethane
Concen: 47.93 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN069513.D
Acq: 16 Nov 2021 17:16

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:113 Resp: 669723
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 18.2 16.9 25.3

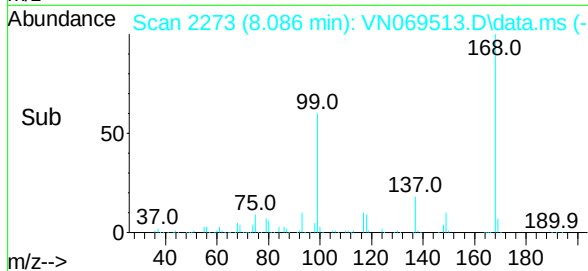
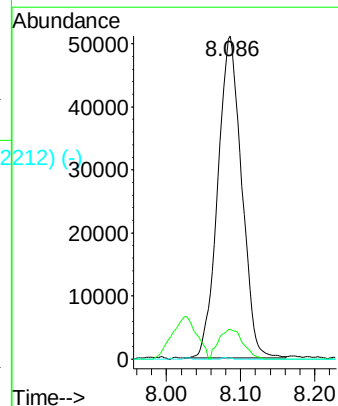
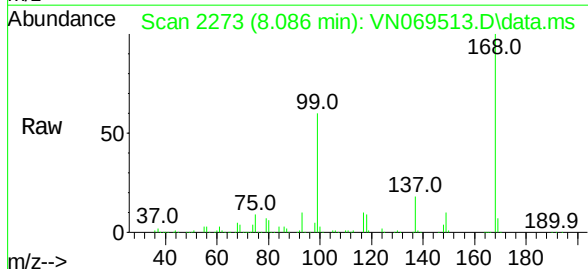


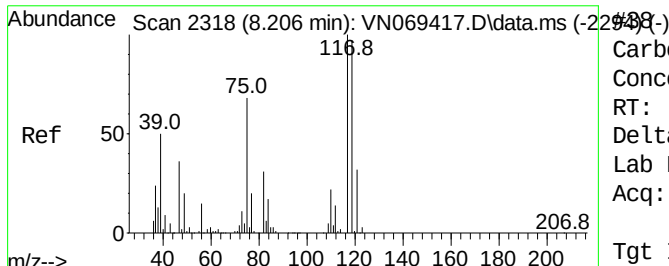
Abundance Scan 2324 (8.223 min): VN069417.D\data.ms (-2293)



1,1-Dichloropropene
Concen: 5.81 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069513.D
Acq: 16 Nov 2021 17:16

Tgt Ion: 75 Resp: 113805
Ion Ratio Lower Upper
75 100
110 9.5 18.4 55.2#
77 0.1 24.4 36.6#

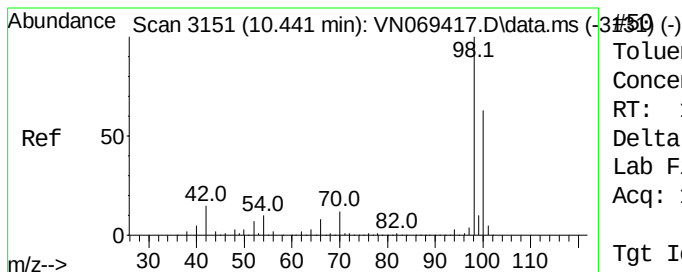
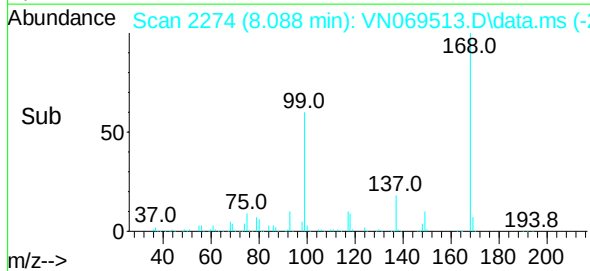
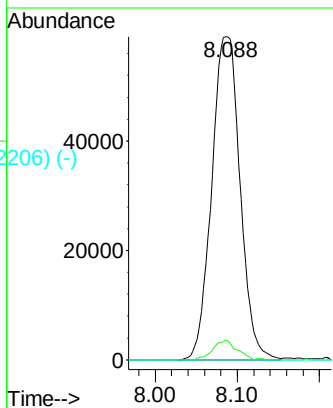
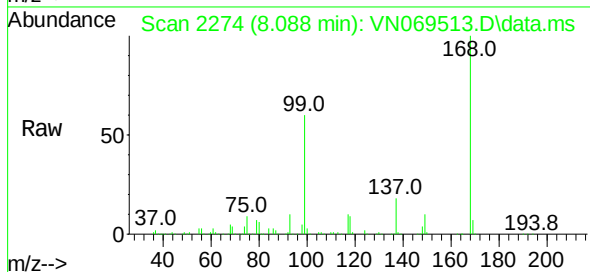




Carbon Tetrachloride
Concen: 7.48 ug/l
RT: 8.088 min Scan# 117
Delta R.T. -0.118 min
Lab File: VN069513.D
Acq: 16 Nov 2021 17:16

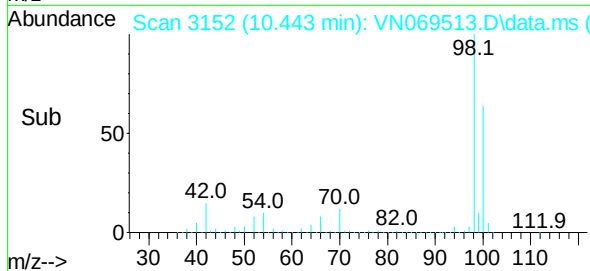
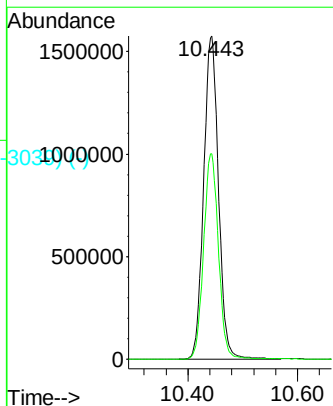
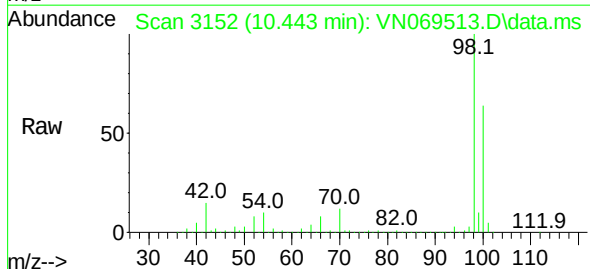
Instrument :
MSVOA_N
ClientSampleId :

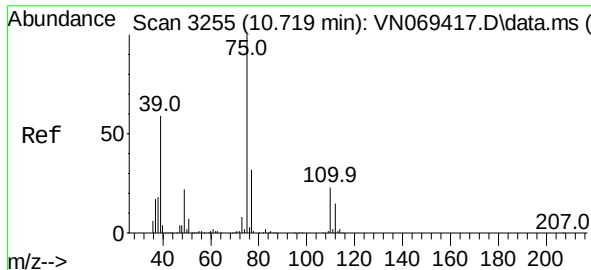
Tgt Ion:117 Resp: 141628
Ion Ratio Lower Upper
117 100
119 6.0 76.1 114.1#
121 0.0 24.2 36.2#



Toluene-d8
Concen: 53.90 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.002 min
Lab File: VN069513.D
Acq: 16 Nov 2021 17:16

Tgt Ion: 98 Resp: 2961978
Ion Ratio Lower Upper
98 100
100 63.5 50.4 75.6

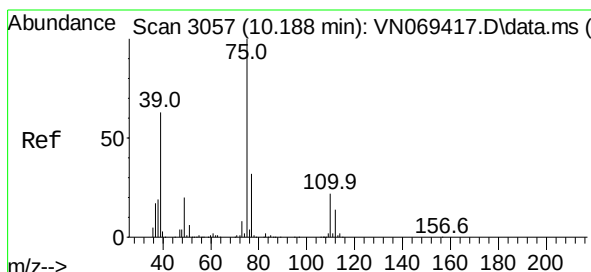
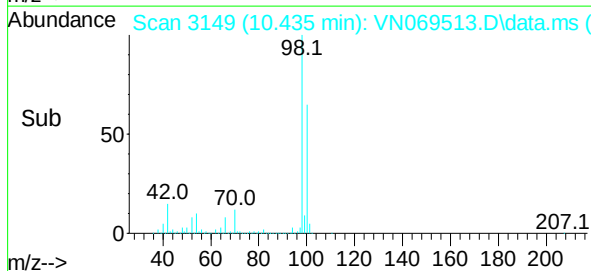
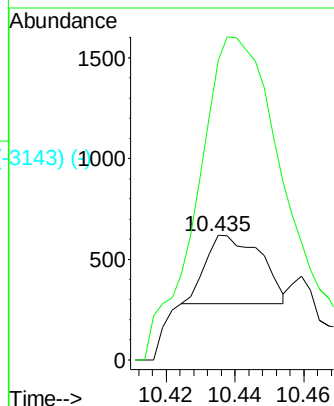
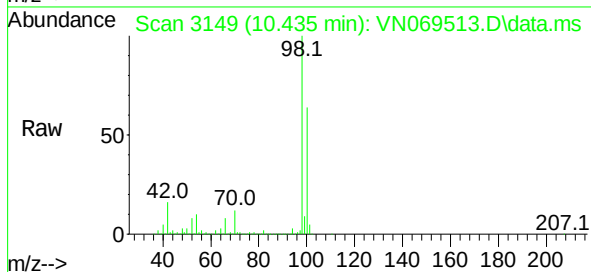




t-1,3-Dichloropropene
Concen: 2.65 ug/l
RT: 10.435 min Scan# 3143
Delta R.T. -0.284 min
Lab File: VN069513.D
Acq: 16 Nov 2021 17:16

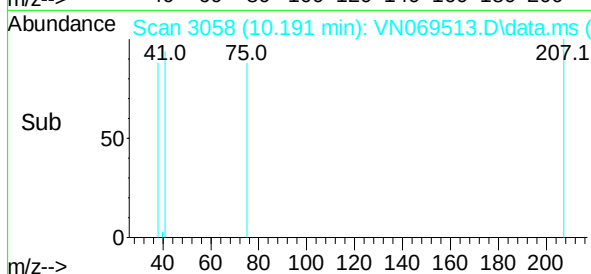
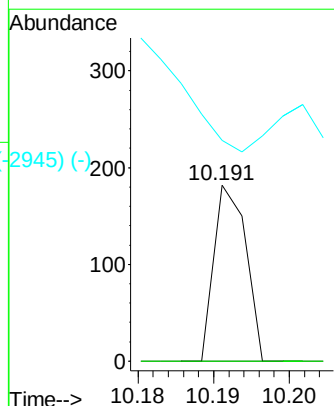
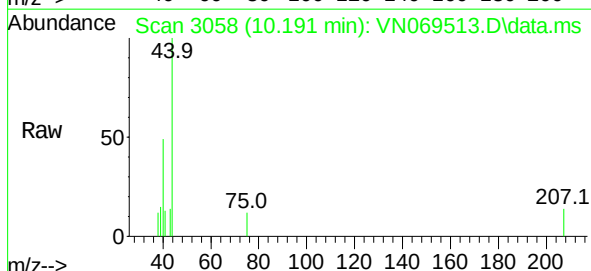
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 377
Ion Ratio Lower Upper
75 100
77 314.5 25.6 38.4#



cis-1,3-Dichloropropene
Concen: 1.73 ug/l
RT: 10.191 min Scan# 3058
Delta R.T. 0.003 min
Lab File: VN069513.D
Acq: 16 Nov 2021 17:16

Tgt Ion: 75 Resp: 53
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 0.0 42.5 63.7#



Abundance Scan 3271 (10.762 min): VN069417.D\data.ms (-3250) (-)

Ethyl methacrylate

Concen: 2.06 ug/l

RT: 10.760 min Scan#

Delta R.T. -0.002 min

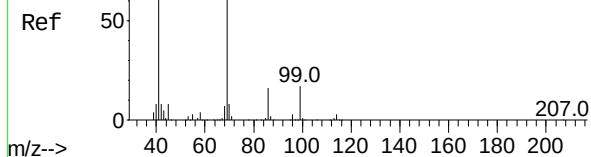
Lab File: VN069513.D

Acq: 16 Nov 2021 17:16

Instrument :

MSVOA_N

ClientSampleId :



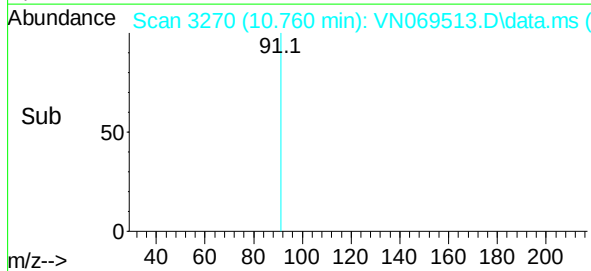
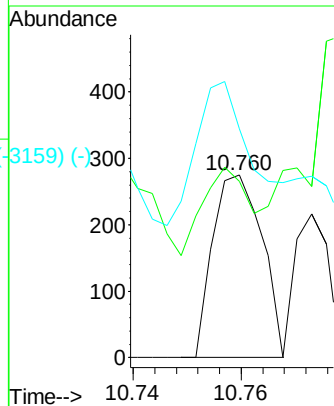
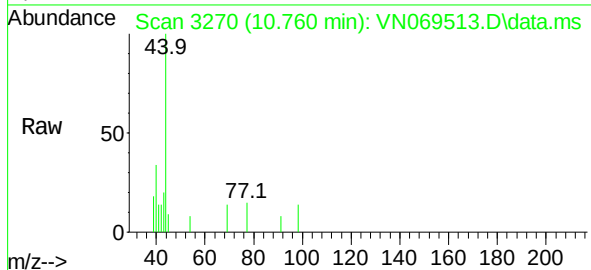
Tgt Ion: 69 Resp: 173

Ion Ratio Lower Upper

69 100

41 0.0 51.4 77.0#

39 87.9 34.6 52.0#



Abundance Scan 3392 (11.087 min): VN069417.D\data.ms (-3350) (-)

2-Hexanone

Concen: 8.03 ug/l

RT: 11.090 min Scan# 3393

Delta R.T. 0.003 min

Lab File: VN069513.D

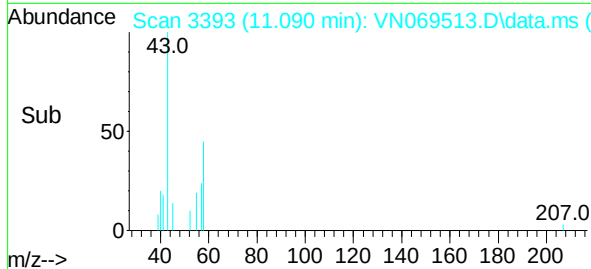
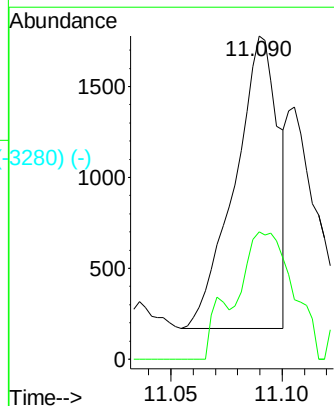
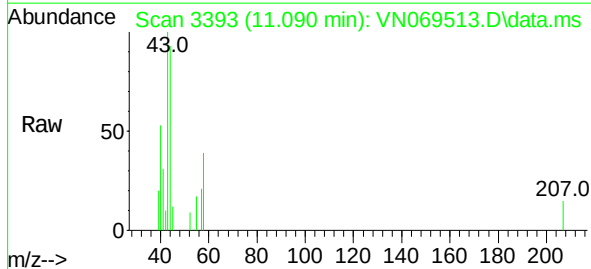
Acq: 16 Nov 2021 17:16

Tgt Ion: 43 Resp: 2188

Ion Ratio Lower Upper

43 100

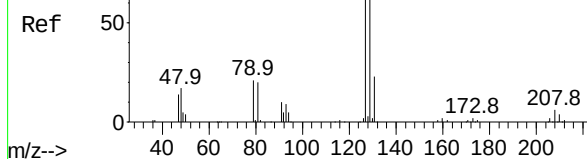
58 49.6 26.9 80.7



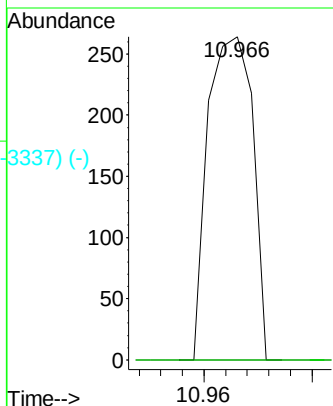
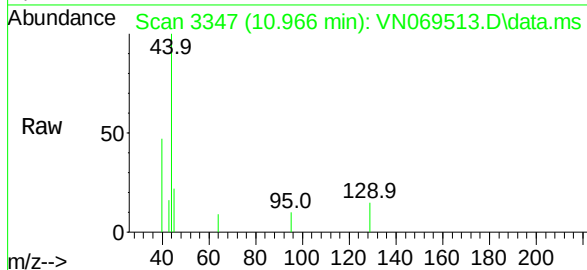
Abundance Scan 3449 (11.240 min): VN069417.D\data.ms (-3428) (-)

Dibromochloromethane
Concen: 2.43 ug/l
RT: 10.966 min Scan# 4128
Delta R.T. -0.274 min
Lab File: VN069513.D
Acq: 16 Nov 2021 17:16

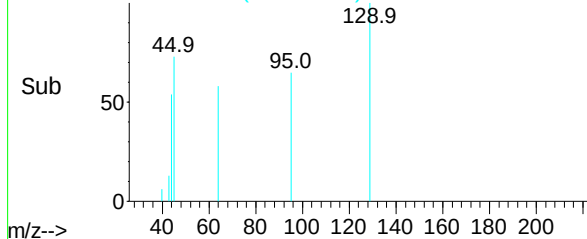
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:129 Resp: 153
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



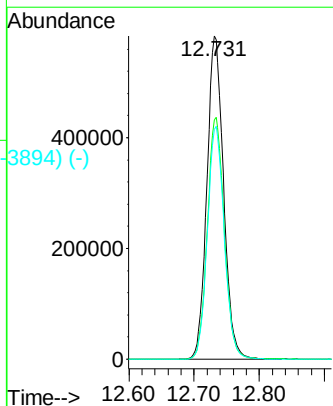
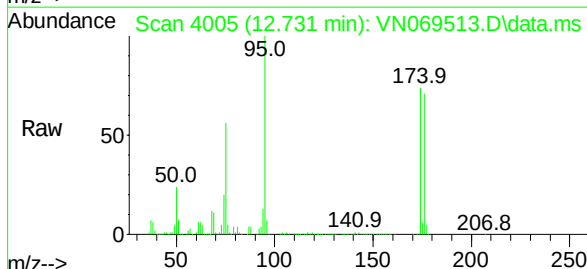
Abundance Scan 3347 (10.966 min): VN069513.D\data.ms (-3337) (-)



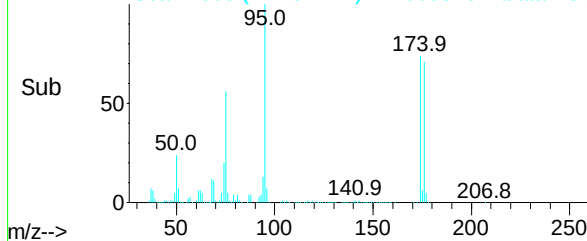
Abundance Scan 4006 (12.734 min): VN069417.D\data.ms (-3962) (-)

4-Bromofluorobenzene
Concen: 51.20 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.003 min
Lab File: VN069513.D
Acq: 16 Nov 2021 17:16

Tgt Ion: 95 Resp: 1033646
Ion Ratio Lower Upper
95 100
174 76.1 0.0 187.2
176 72.7 0.0 181.4



Abundance Scan 4005 (12.731 min): VN069513.D\data.ms (-3894) (-)



Abundance Scan 3638 (11.747 min): VN069417.D\data.ms (-3638) (-)

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.744 min Scan#

Delta R.T. -0.003 min

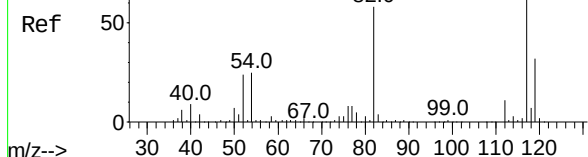
Lab File: VN069513.D

Acq: 16 Nov 2021 17:16

Instrument :

MSVOA_N

ClientSampleId :



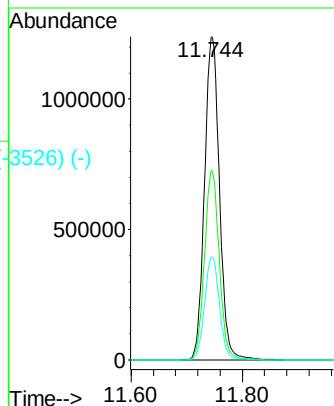
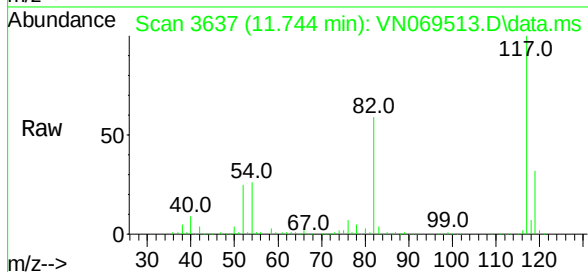
Tgt Ion:117 Resp: 2305698

Ion Ratio Lower Upper

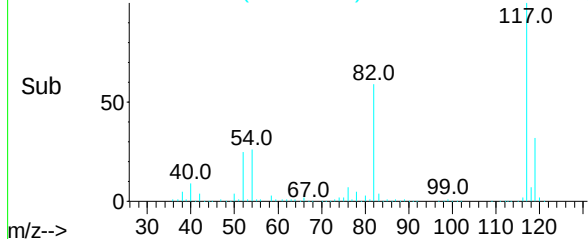
117 100

82 58.8 42.4 63.6

119 31.9 25.4 38.2



Abundance Scan 3637 (11.744 min): VN069513.D\data.ms (-3526) (-)



Abundance Scan 3842 (12.294 min): VN069417.D\data.ms (-3870) (-)

Styrene

Concen: 1.53 ug/l

RT: 12.299 min Scan# 3844

Delta R.T. 0.005 min

Lab File: VN069513.D

Acq: 16 Nov 2021 17:16

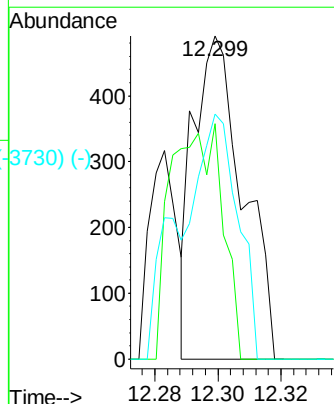
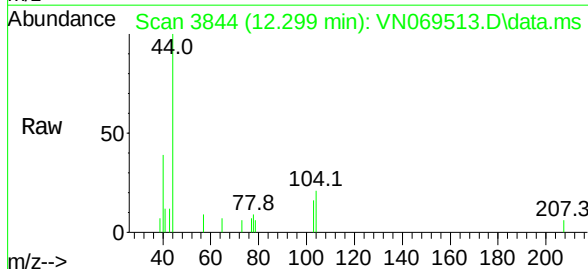
Tgt Ion:104 Resp: 533

Ion Ratio Lower Upper

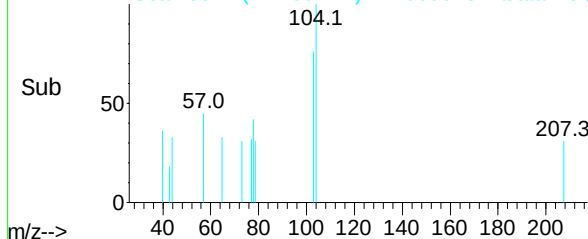
104 100

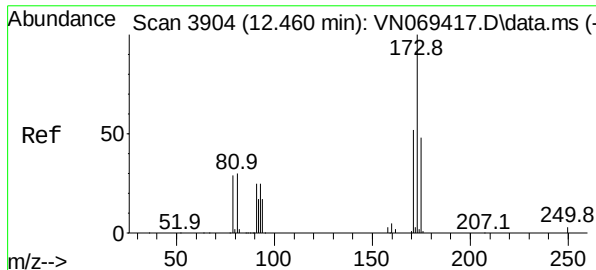
78 75.8 38.7 58.1#

103 65.3 45.0 67.6



Abundance Scan 3844 (12.299 min): VN069513.D\data.ms (-3730) (-)

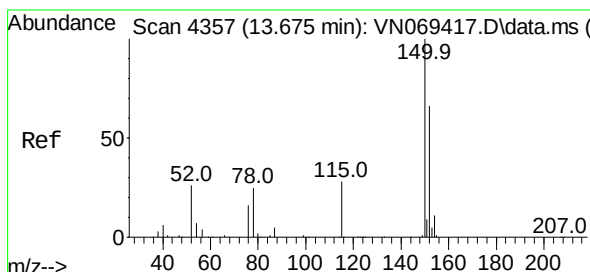
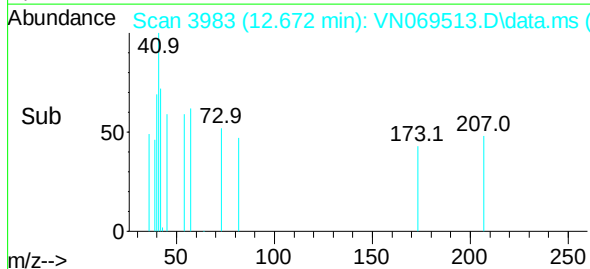
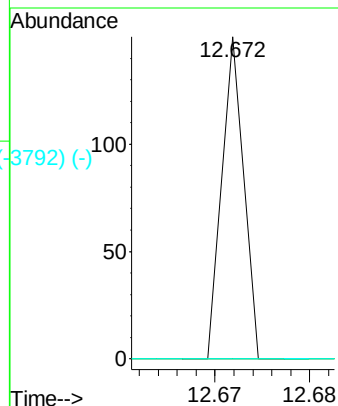
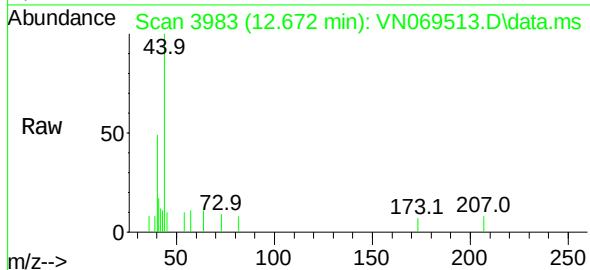




Bromoform
Concen: 3.43 ug/l
RT: 12.672 min Scan# 3904
Delta R.T. 0.212 min
Lab File: VN069513.D
Acq: 16 Nov 2021 17:16

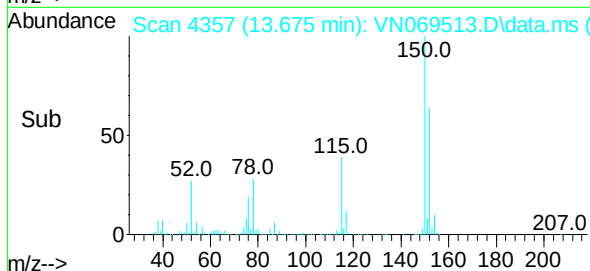
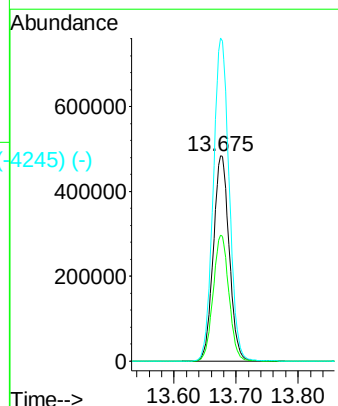
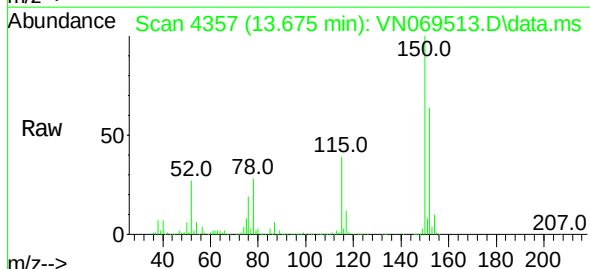
Instrument :
MSVOA_N
ClientSampleId :

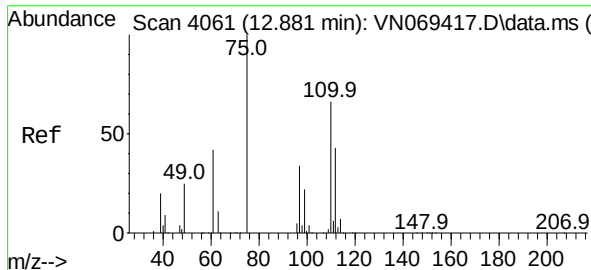
Tgt Ion:173 Resp: 24
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.000 min
Lab File: VN069513.D
Acq: 16 Nov 2021 17:16

Tgt Ion:152 Resp: 857248
Ion Ratio Lower Upper
152 100
115 61.0 27.5 82.5
150 157.3 0.0 344.4

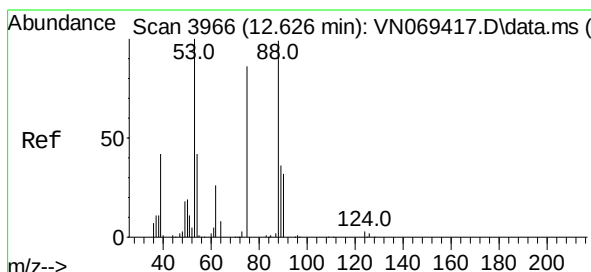
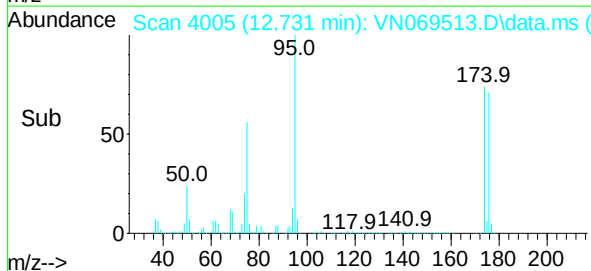
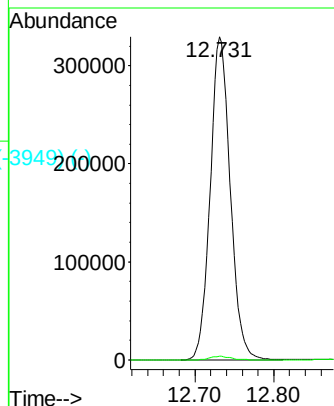
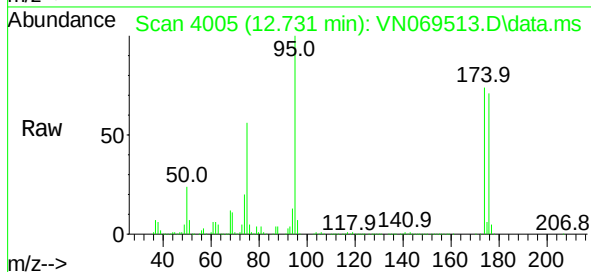




1,2,3-Trichloropropane
 Concen: 29.38 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.150 min
 Lab File: VN069513.D
 Acq: 16 Nov 2021 17:16

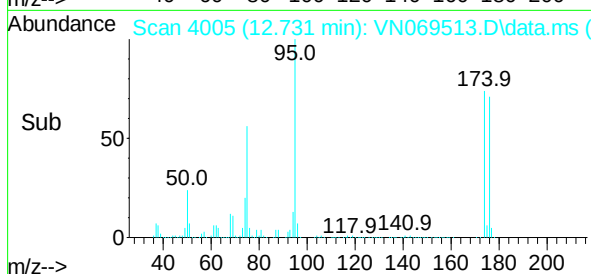
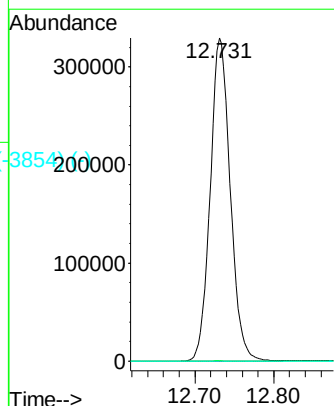
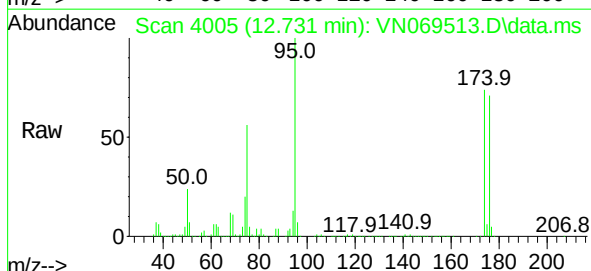
Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 581278
 Ion Ratio Lower Upper
 75 100
 77 1.1 82.6 247.8#



trans-1,4-Dichloro-2-butene
 Concen: 83.13 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. 0.105 min
 Lab File: VN069513.D
 Acq: 16 Nov 2021 17:16

Tgt Ion: 75 Resp: 581278
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 38.2 57.4#



Abundance Scan 4557 (14.211 min): VN069417.D\data.ms (-4559) (-)

Hexachloroethane

Concen: 2.17 ug/l

RT: 14.206 min Scan# 4559

Delta R.T. -0.005 min

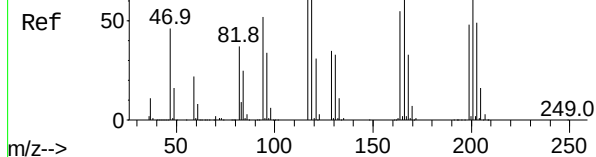
Lab File: VN069513.D

Acq: 16 Nov 2021 17:16

Instrument :

MSVOA_N

ClientSampleId :

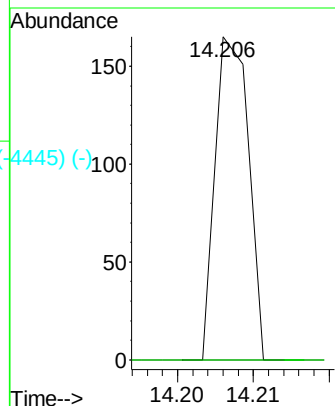
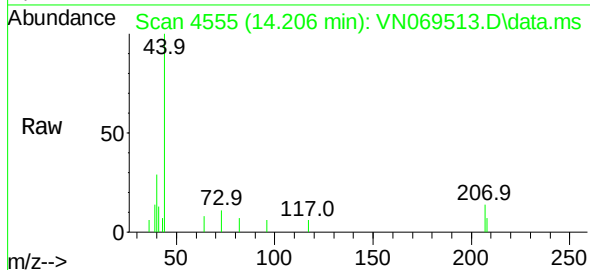


Tgt Ion:117 Resp: 51

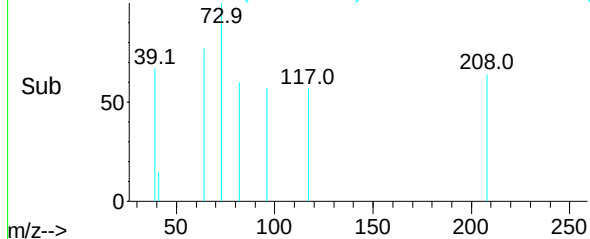
Ion Ratio Lower Upper

117 100

201 0.0 43.9 131.6#



Abundance Scan 4555 (14.206 min): VN069513.D\data.ms (-4445) (-)



Abundance Scan 4704 (14.606 min): VN069417.D\data.ms (-4692) (-)

1,2-Dibromo-3-Chloropropane

Concen: 1.82 ug/l

RT: 14.598 min Scan# 4701

Delta R.T. -0.008 min

Lab File: VN069513.D

Acq: 16 Nov 2021 17:16

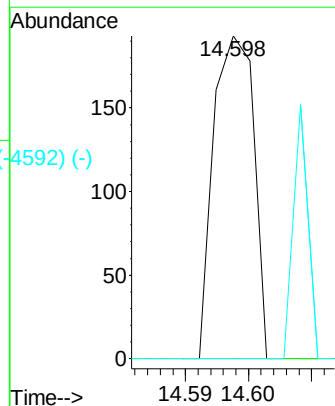
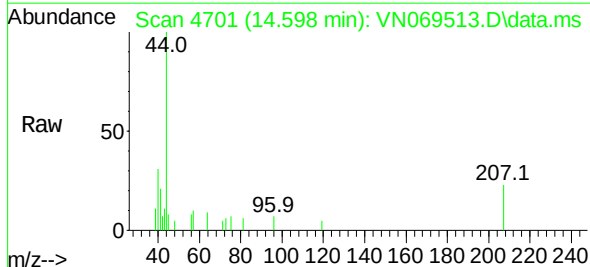
Tgt Ion: 75 Resp: 86

Ion Ratio Lower Upper

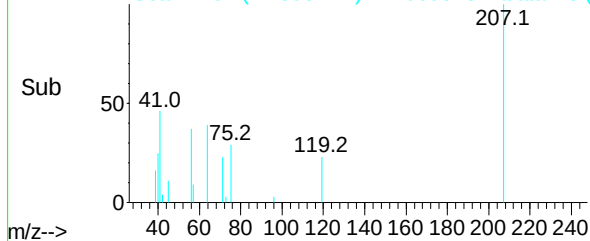
75 100

155 0.0 46.9 140.7#

157 27.9 60.6 181.7#



Abundance Scan 4701 (14.598 min): VN069513.D\data.ms (-4592) (-)



Abundance Scan 4950 (15.265 min): VN069417.D\data.ms (-4928) (-)

1,2,4-Trichlorobenzene

Concen: 3.22 ug/l

RT: 15.260 min Scan# 4928

Delta R.T. -0.005 min

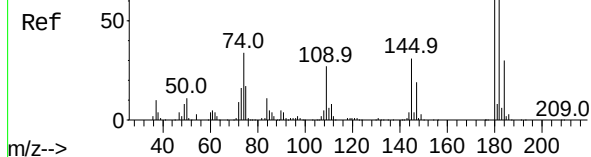
Lab File: VN069513.D

Acq: 16 Nov 2021 17:16

Instrument :

MSVOA_N

ClientSampleId :



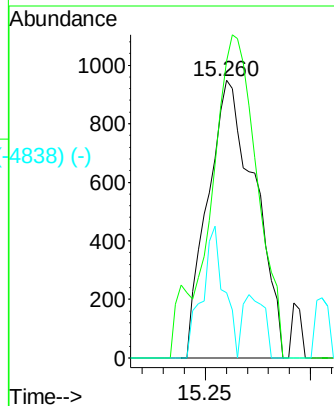
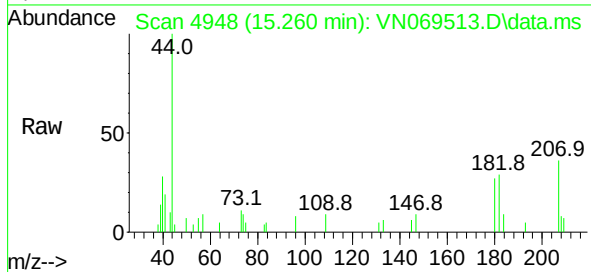
Tgt Ion:180 Resp: 1473

Ion Ratio Lower Upper

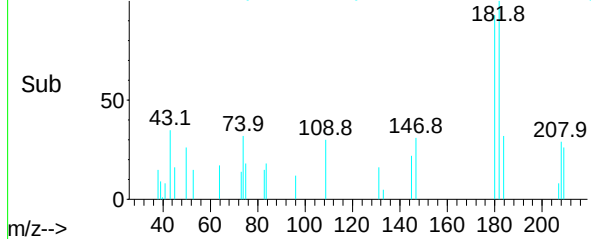
180 100

182 116.6 48.3 144.9

145 21.9 14.5 43.5



Abundance Scan 4948 (15.260 min): VN069513.D\data.ms (-4838) (-)



Abundance Scan 5040 (15.507 min): VN069417.D\data.ms (-5025) (-)

Naphthalene

Concen: 4.66 ug/l

RT: 15.507 min Scan# 5040

Delta R.T. -0.000 min

Lab File: VN069513.D

Acq: 16 Nov 2021 17:16

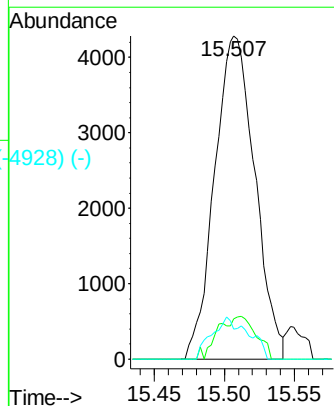
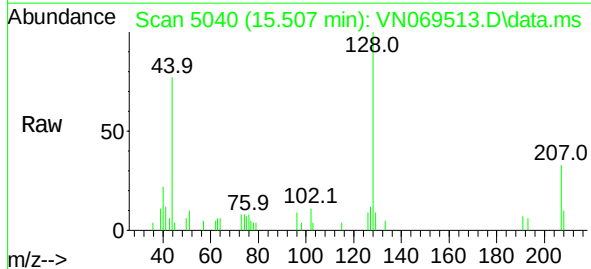
Tgt Ion:128 Resp: 8546

Ion Ratio Lower Upper

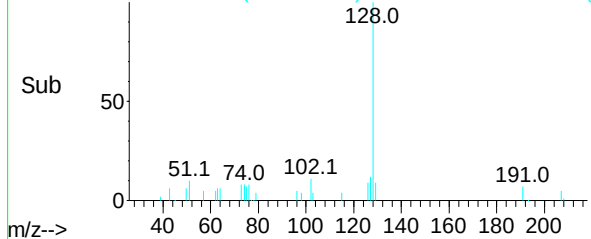
128 100

127 7.6 10.5 15.7#

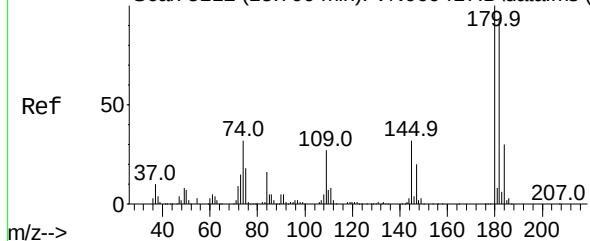
129 0.0 8.7 13.1#



Abundance Scan 5040 (15.507 min): VN069513.D\data.ms (-4928) (-)



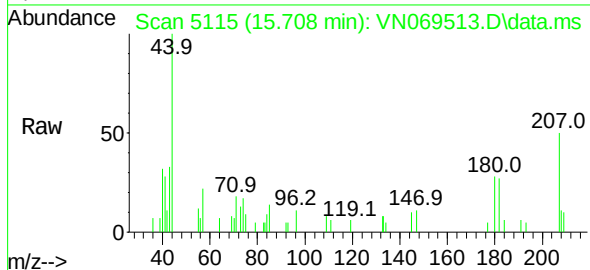
Abundance Scan 5112 (15.700 min): VN069417.D\data.ms (-5000) (-)



1,2,3-Trichlorobenzene
Concen: 3.22 ug/l
RT: 15.708 min Scan# 1
Delta R.T. 0.008 min
Lab File: VN069513.D
Acq: 16 Nov 2021 17:16

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	180	Resp:	654
Ion	Ratio	Lower	Upper
180	100		
182	240.4	47.4	142.2#
145	0.0	15.0	45.1#



Abundance Scan 5115 (15.708 min): VN069513.D\data.ms (-5000) (-)

