

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111621\
 Data File : VN069519.D
 Acq On : 16 Nov 2021 19:49
 Operator : JC/MD
 Sample : M4714-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 17 01:01:04 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

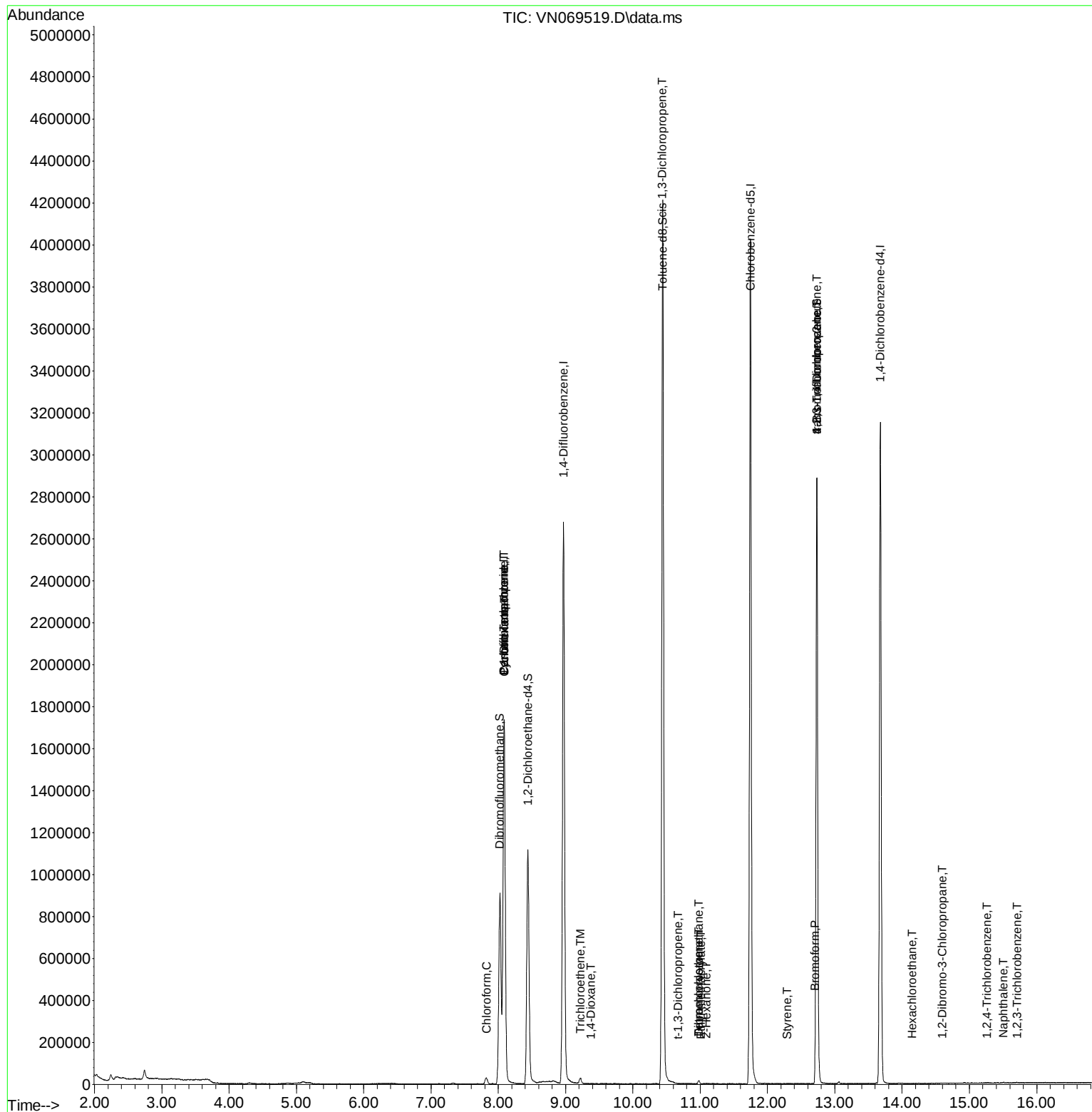
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.086	168	1292386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2279955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2269056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	843797	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	959644	51.21	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	=	102.42%	
35) Dibromofluoromethane	8.024	113	661047	48.34	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	=	96.68%	
50) Toluene-d8	10.443	98	2904153	54.00	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	=	108.00%	
62) 4-Bromofluorobenzene	12.731	95	1015597	51.40	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	=	102.80%	
Target Compounds						
					Qvalue	
13) Acrolein	4.041	56	261	Below Cal	#	33
30) Chloroform	7.823	83	28871	1.11	ug/l	99
31) Cyclohexane	8.088	56	34498	1.35	ug/l	# 31
36) 1,1-Dichloropropene	8.086	75	111260	5.80	ug/l	# 42
38) Carbon Tetrachloride	8.086	117	133330	7.20	ug/l	# 16
44) Trichloroethene	9.220	130	8286	0.58	ug/l	100
49) 1,4-Dioxane	9.376	88	28	39.13	ug/l	# 1
53) t-1,3-Dichloropropene	10.674	75	56	2.64	ug/l	# 1
54) cis-1,3-Dichloropropene	10.438	75	314	1.74	ug/l	# 1
56) Ethyl methacrylate	11.009	69	83	2.06	ug/l	# 43
59) 2-Hexanone	11.090	43	1446	8.00	ug/l	# 58
60) Dibromochloromethane	10.977	129	3087	2.60	ug/l	# 11
64) Tetrachloroethene	10.980	164	3002	0.22	ug/l	83
70) Styrene	12.291	104	99	1.52	ug/l	# 1
71) Bromoform	12.707	173	28	3.43	ug/l	# 29
76) 1,2,3-Trichloropropane	12.731	75	566109	29.07	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.731	75	566109	82.31	ug/l	# 5
90) Hexachloroethane	14.147	117	26	2.16	ug/l	# 6
92) 1,2-Dibromo-3-Chloropr...	14.598	75	496	1.91	ug/l	# 1
93) 1,2,4-Trichlorobenzene	15.260	180	369	3.14	ug/l	# 35
95) Naphthalene	15.507	128	2597	4.51	ug/l	# 79
96) 1,2,3-Trichlorobenzene	15.708	180	544	3.21	ug/l	# 19

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

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MSVOA_N
ClientSampleId :

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

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 8.086 min Scan# 1

Delta R.T. -0.000 min

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Instrument :

MSVOA_N

ClientSampleId :

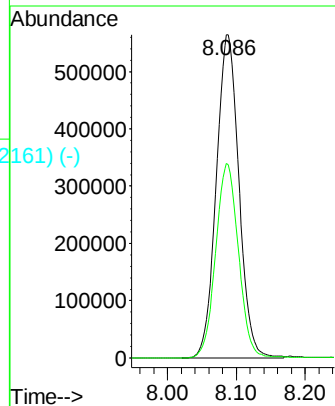
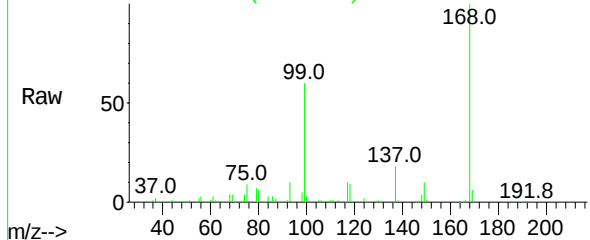
Tgt Ion:168 Resp: 1292386

Ion Ratio Lower Upper

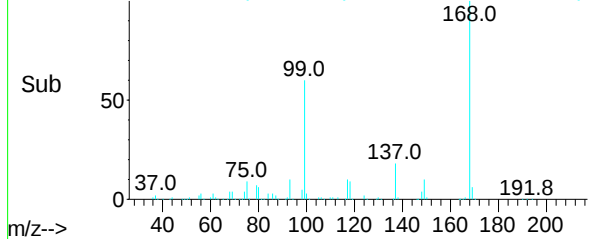
168 100

99 60.2 41.3 61.9

Abundance Scan 2273 (8.086 min): VN069519.D\data.ms



Abundance Scan 2273 (8.086 min): VN069519.D\data.ms (-2161) (-)



Abundance Scan 765 (4.041 min): VN069417.D\data.ms (-738) (-)

Acrolein

Concen: Below Cal

RT: 4.041 min Scan# 765

Delta R.T. 0.000 min

Lab File: VN069519.D

Acq: 16 Nov 2021 19:49

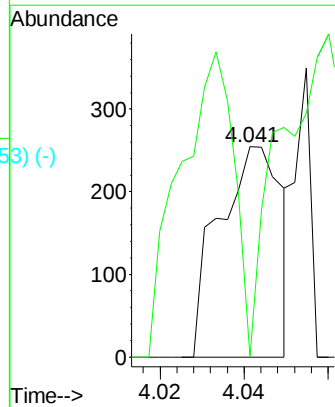
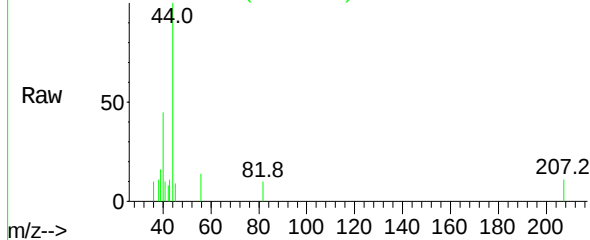
Tgt Ion: 56 Resp: 261

Ion Ratio Lower Upper

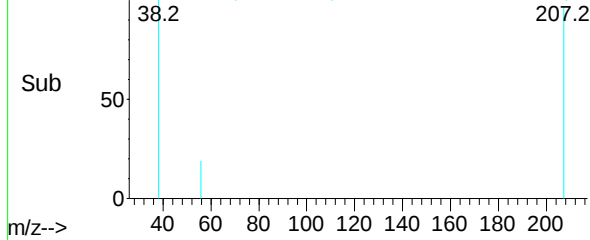
56 100

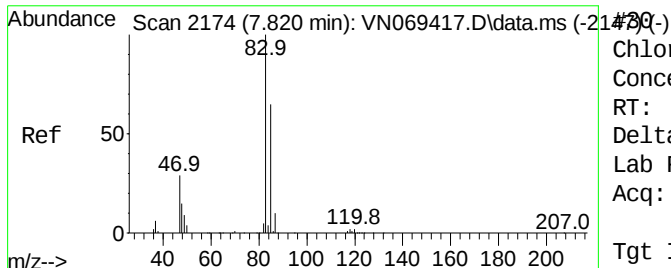
55 126.1 56.6 85.0#

Abundance Scan 765 (4.041 min): VN069519.D\data.ms



Abundance Scan 765 (4.041 min): VN069519.D\data.ms (-653) (-)





Chloroform

Concen: 1.11 ug/l

RT: 7.823 min Scan# 2174

Delta R.T. 0.003 min

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Instrument :

MSVOA_N

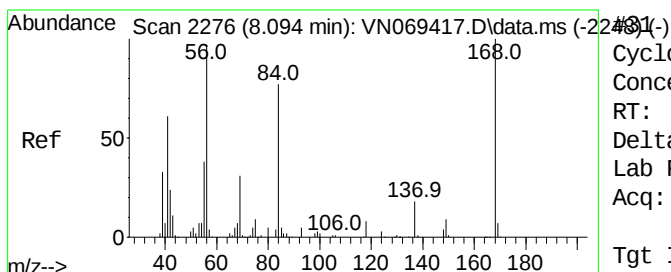
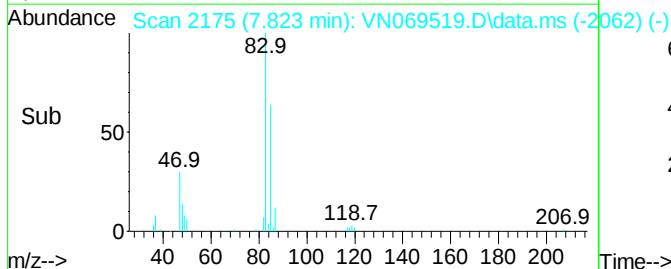
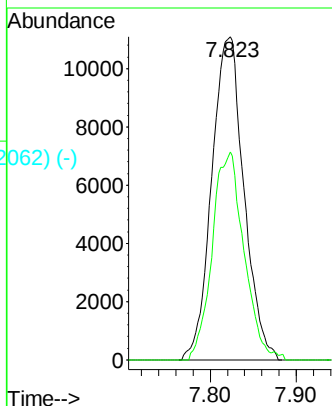
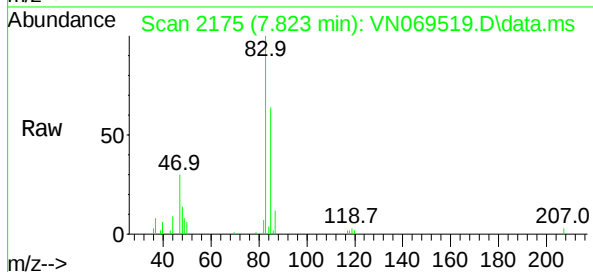
ClientSampleId :

Tgt Ion: 83 Resp: 28871

Ion Ratio Lower Upper

83 100

85 64.4 51.9 77.9



Cyclohexane

Concen: 1.35 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.006 min

Lab File: VN069519.D

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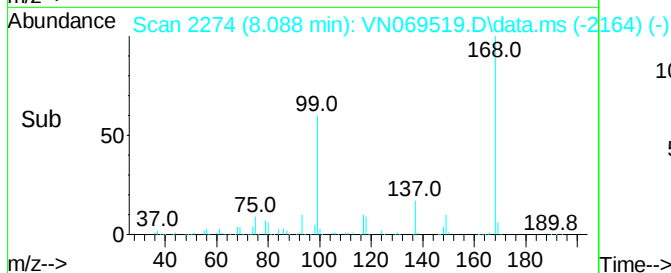
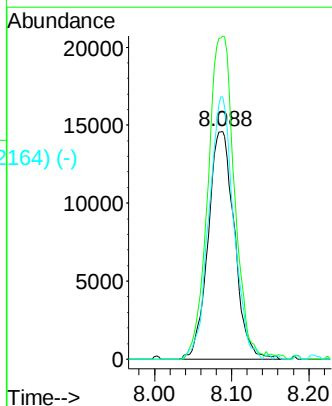
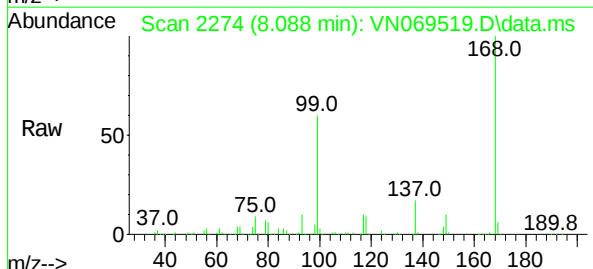
Tgt Ion: 56 Resp: 34498

Ion Ratio Lower Upper

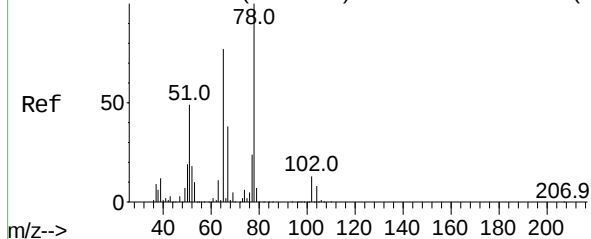
56 100

69 141.8 27.1 40.7#

84 115.0 73.4 110.0#



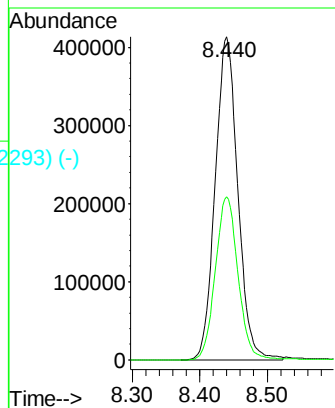
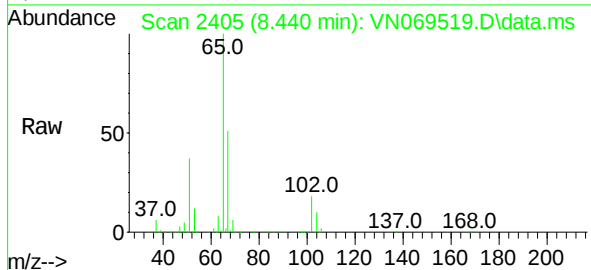
Abundance Scan 2405 (8.440 min): VN069417.D\data.ms (-2363)



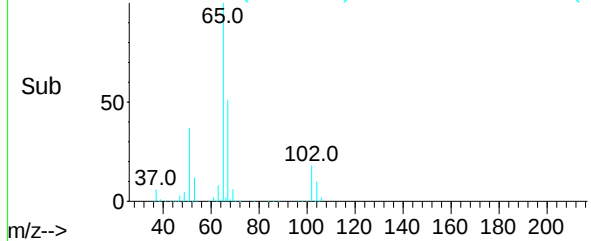
1,2-Dichloroethane-d4
Concen: 51.21 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069519.D
Acq: 16 Nov 2021 19:49

Instrument :
MSVOA_N
ClientSampleId :

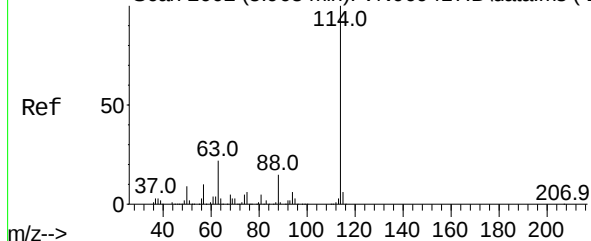
Tgt Ion: 65 Resp: 959644
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0



Abundance Scan 2405 (8.440 min): VN069519.D\data.ms (-2293)

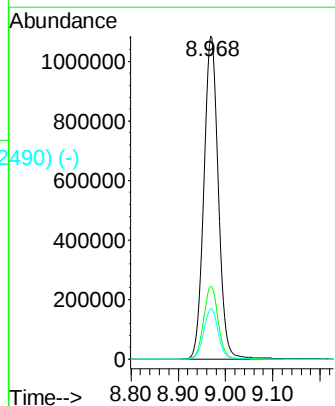
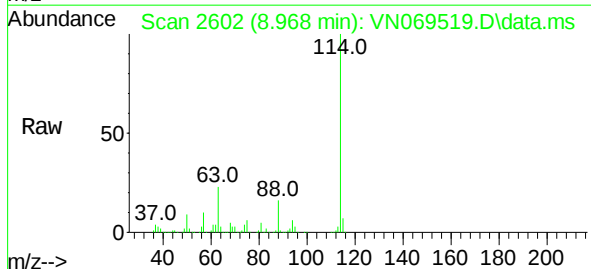


Abundance Scan 2602 (8.968 min): VN069417.D\data.ms (-2579)

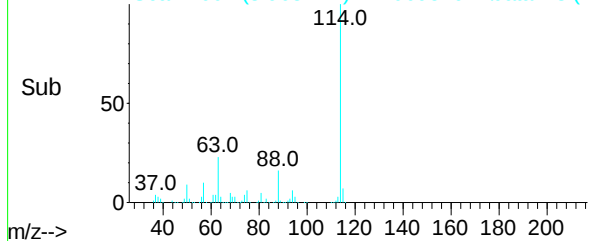


1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069519.D
Acq: 16 Nov 2021 19:49

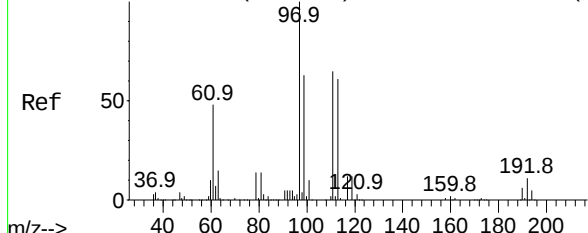
Tgt Ion:114 Resp: 2279955
Ion Ratio Lower Upper
114 100
63 22.6 0.0 37.8
88 15.6 0.0 27.4



Abundance Scan 2602 (8.968 min): VN069519.D\data.ms (-2490)



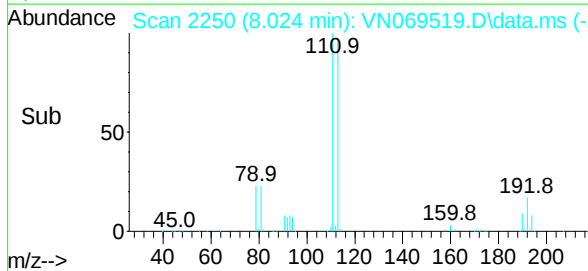
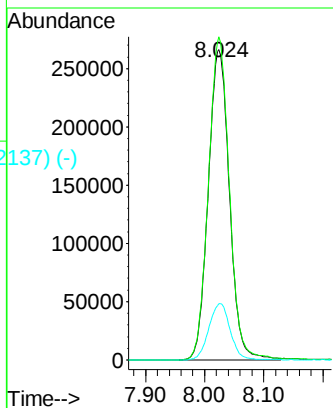
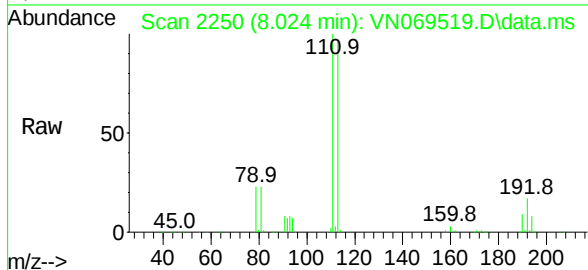
Abundance Scan 2249 (8.021 min): VN069417.D\data.ms (-2223) (-)



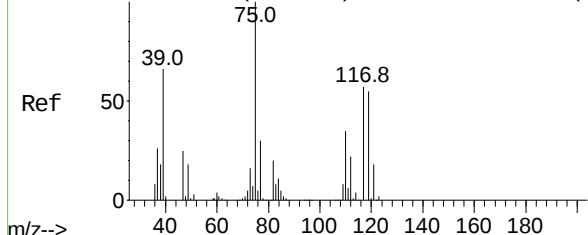
Dibromofluoromethane
Concen: 48.34 ug/l
RT: 8.024 min Scan# 2249
Delta R.T. 0.003 min
Lab File: VN069519.D
Acq: 16 Nov 2021 19:49

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:113 Resp: 661047
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 18.2 16.9 25.3

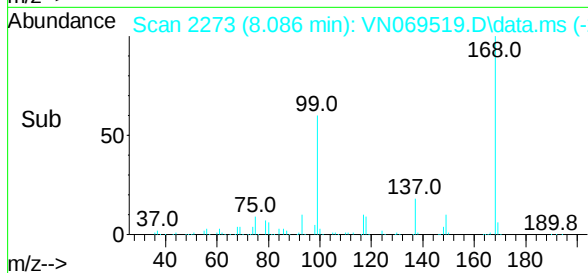
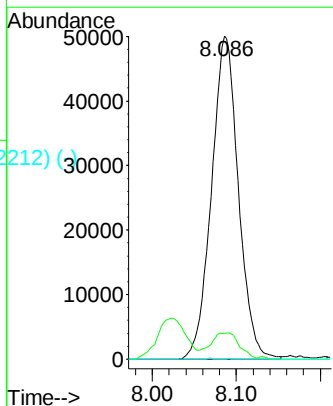
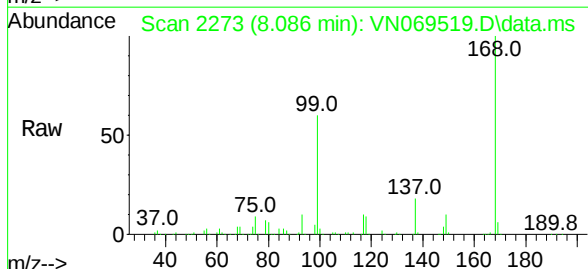


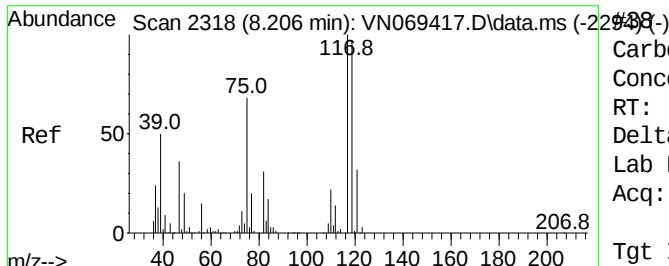
Abundance Scan 2324 (8.223 min): VN069417.D\data.ms (-2293) (-)



1,1-Dichloropropene
Concen: 5.80 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069519.D
Acq: 16 Nov 2021 19:49

Tgt Ion: 75 Resp: 111260
Ion Ratio Lower Upper
75 100
110 1.6 18.4 55.2#
77 0.0 24.4 36.6#

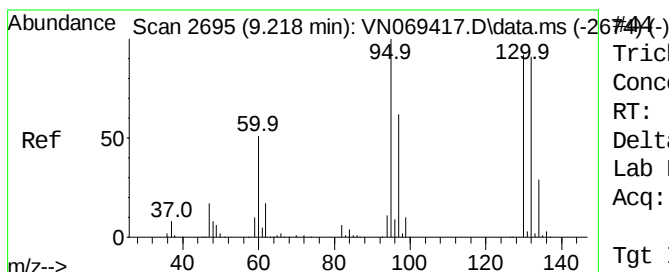
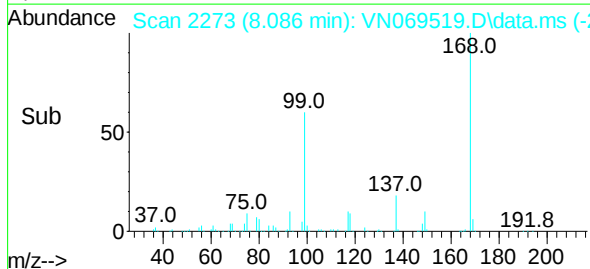
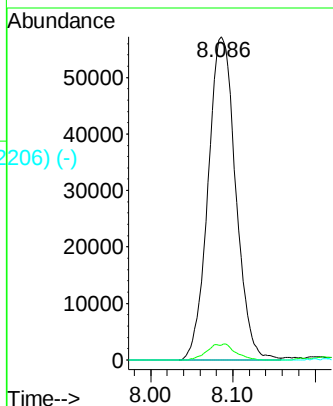
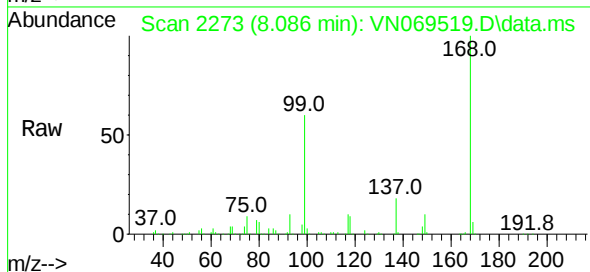




Carbon Tetrachloride
Concen: 7.20 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN069519.D
Acq: 16 Nov 2021 19:49

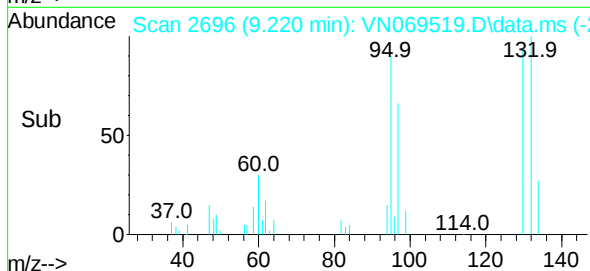
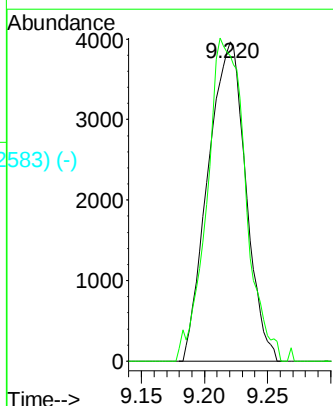
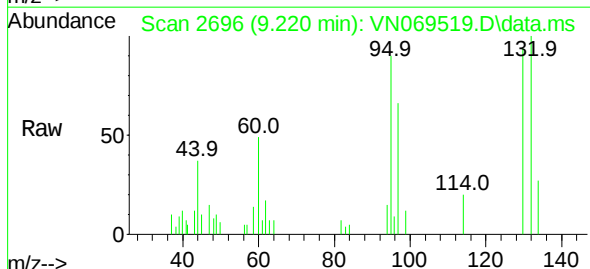
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	117	Resp:	133330
Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.1	114.1#
121	0.0	24.2	36.2#

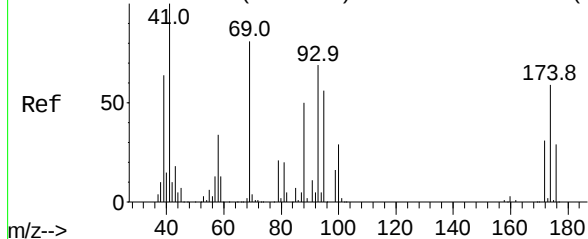


Trichloroethene
Concen: 0.58 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.002 min
Lab File: VN069519.D
Acq: 16 Nov 2021 19:49

Tgt Ion:	130	Resp:	8286
Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	191.2



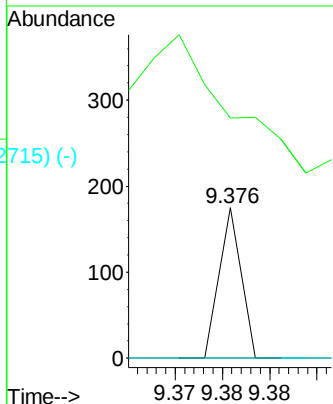
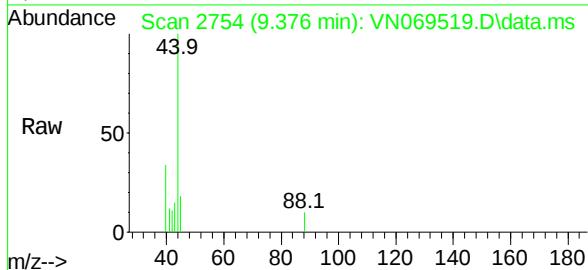
Abundance Scan 2827 (9.572 min): VN069417.D\data.ms (-28079-)



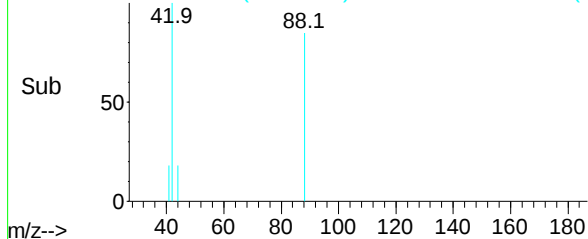
1,4-Dioxane
Concen: 39.13 ug/l
RT: 9.376 min Scan# 2827
Delta R.T. -0.196 min
Lab File: VN069519.D
Acq: 16 Nov 2021 19:49

Instrument : MSVOA_N
ClientSampleId :

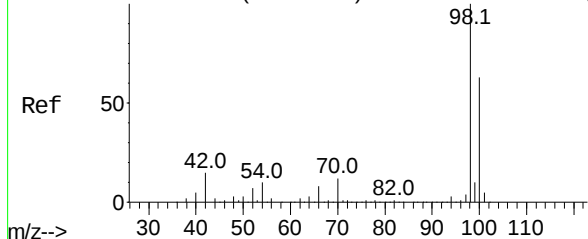
Tgt Ion: 88 Resp: 28
Ion Ratio Lower Upper
88 100
43 2014.3 23.4 35.2#
58 0.0 50.6 75.8#



Abundance Scan 2754 (9.376 min): VN069519.D\data.ms (-2715-)

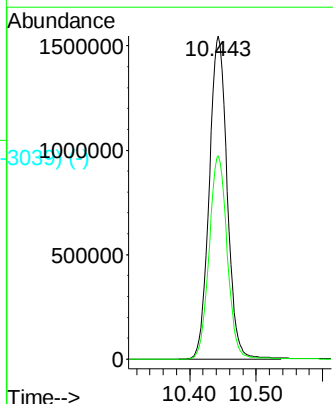
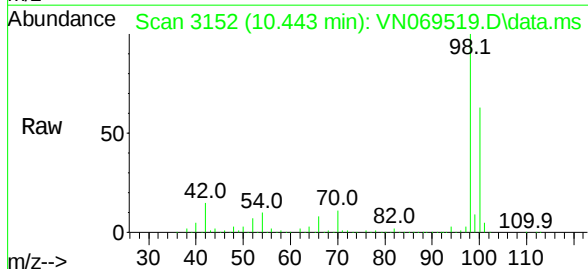


Abundance Scan 3151 (10.441 min): VN069417.D\data.ms (-3150-)

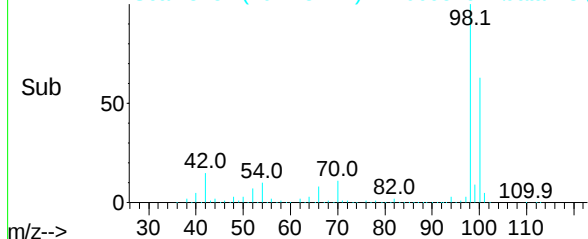


Toluene-d8
Concen: 54.00 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.002 min
Lab File: VN069519.D
Acq: 16 Nov 2021 19:49

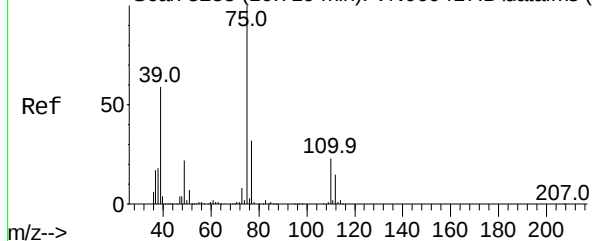
Tgt Ion: 98 Resp: 2904153
Ion Ratio Lower Upper
98 100
100 63.4 50.4 75.6



Abundance Scan 3152 (10.443 min): VN069519.D\data.ms (-3035-)



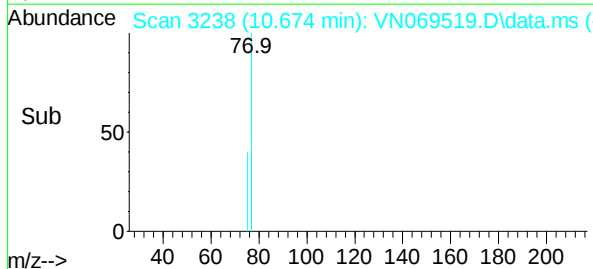
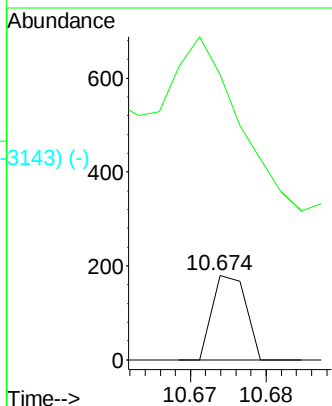
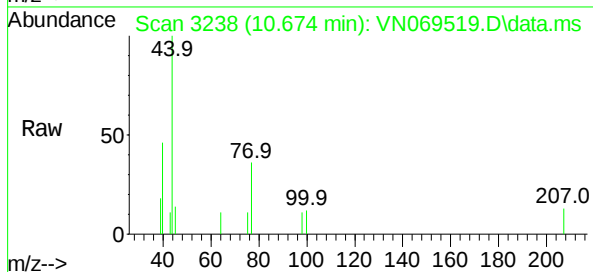
Abundance Scan 3255 (10.719 min): VN069417.D\data.ms (-3255) (-)



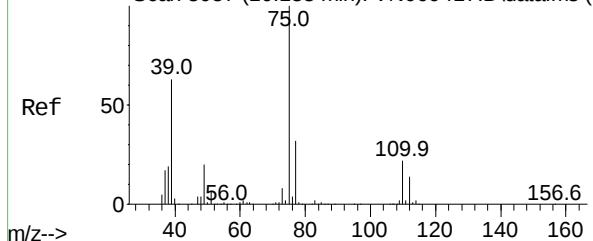
t-1,3-Dichloropropene
Concen: 2.64 ug/l
RT: 10.674 min Scan# 3150
Delta R.T. -0.045 min
Lab File: VN069519.D
Acq: 16 Nov 2021 19:49

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 56
Ion Ratio Lower Upper
75 100
77 138.3 25.6 38.4#

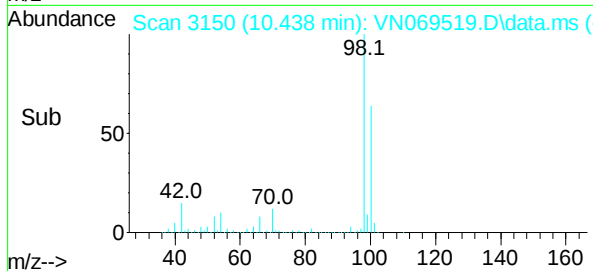
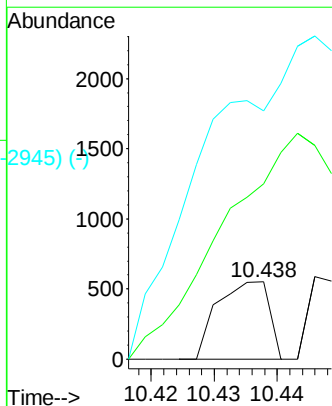
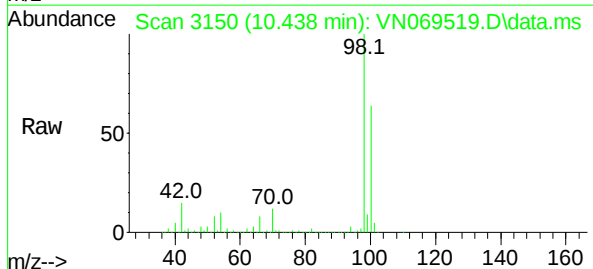


Abundance Scan 3057 (10.188 min): VN069417.D\data.ms (-3057) (-)



cis-1,3-Dichloropropene
Concen: 1.74 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. 0.250 min
Lab File: VN069519.D
Acq: 16 Nov 2021 19:49

Tgt Ion: 75 Resp: 314
Ion Ratio Lower Upper
75 100
77 155.3 26.4 39.6#
39 140.1 42.5 63.7#



Abundance Scan 3271 (10.762 min): VN069417.D\data.ms (-3256) (-)

Ethyl methacrylate

Concen: 2.06 ug/l

RT: 11.009 min Scan#

Delta R.T. 0.247 min

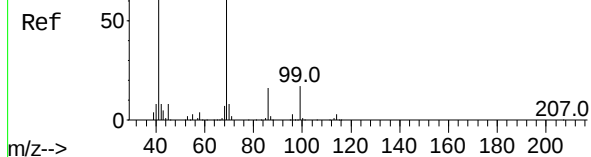
Lab File: VN069519.D

Acq: 16 Nov 2021 19:49

Instrument :

MSVOA_N

ClientSampleId :



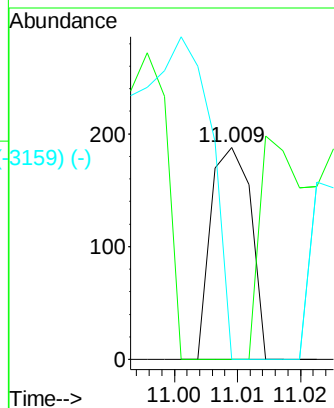
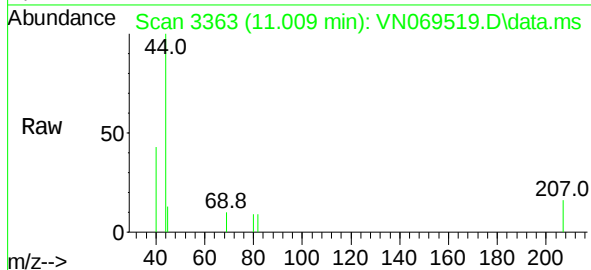
Tgt Ion: 69 Resp: 83

Ion Ratio Lower Upper

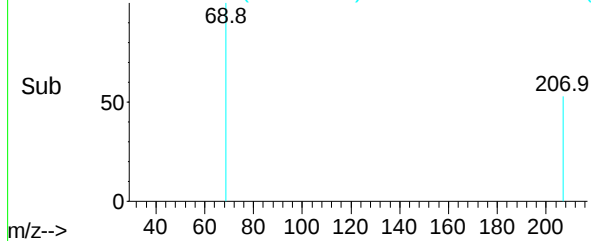
69 100

41 103.6 51.4 77.0#

39 0.0 34.6 52.0#



Abundance Scan 3363 (11.009 min): VN069519.D\data.ms (-3159) (-)



Abundance Scan 3392 (11.087 min): VN069417.D\data.ms (-3359) (-)

2-Hexanone

Concen: 8.00 ug/l

RT: 11.090 min Scan# 3393

Delta R.T. 0.003 min

Lab File: VN069519.D

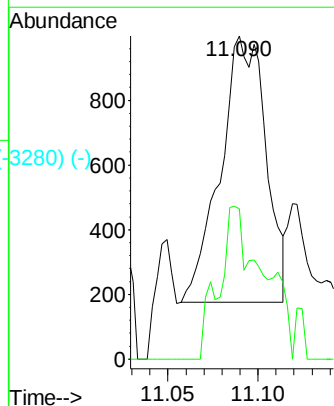
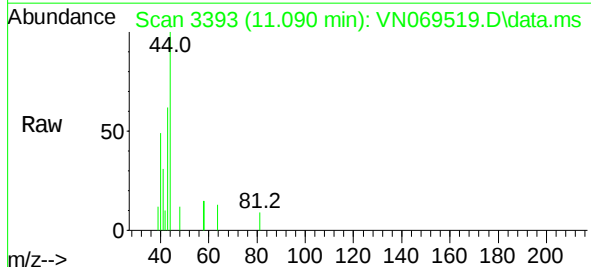
Acq: 16 Nov 2021 19:49

Tgt Ion: 43 Resp: 1446

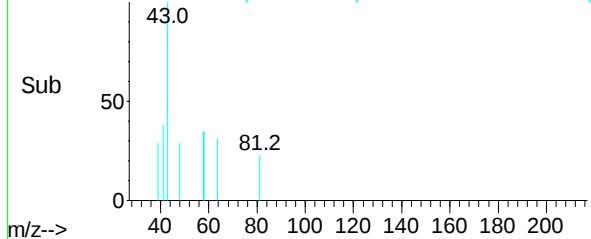
Ion Ratio Lower Upper

43 100

58 24.1 26.9 80.7#



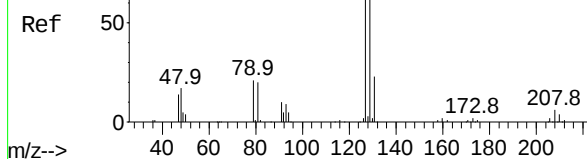
Abundance Scan 3393 (11.090 min): VN069519.D\data.ms (-3280) (-)



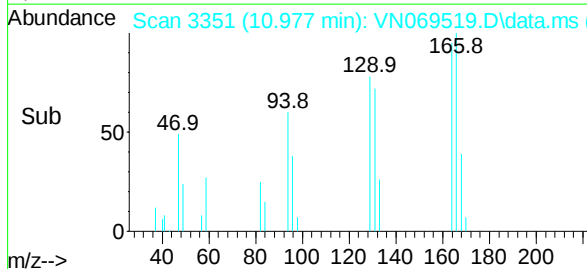
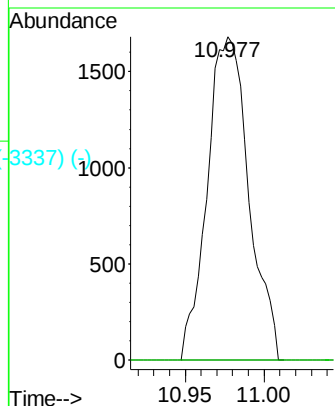
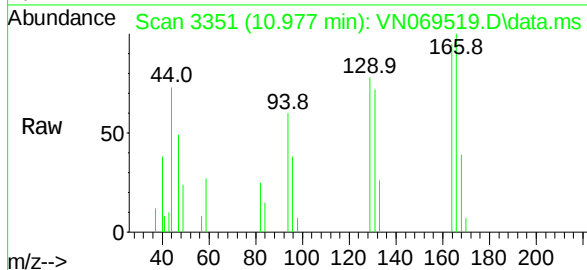
Abundance Scan 3449 (11.240 min): VN069417.D\data.ms (-3428) (-)

Dibromochloromethane
Concen: 2.60 ug/l
RT: 10.977 min Scan# 4128
Delta R.T. -0.263 min
Lab File: VN069519.D
Acq: 16 Nov 2021 19:49

Instrument :
MSVOA_N
ClientSampleId :



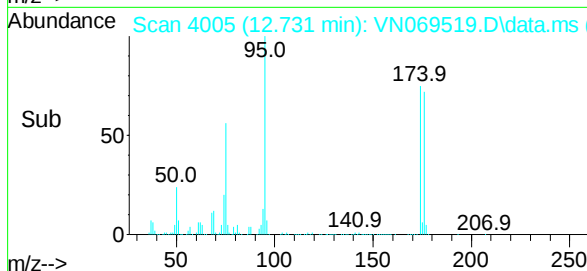
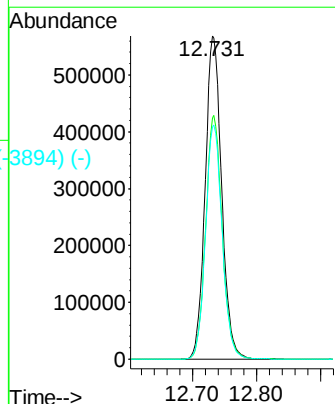
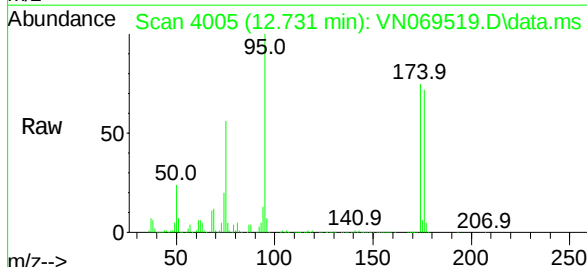
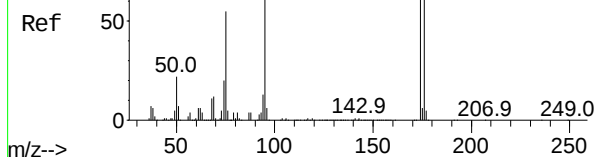
Tgt Ion:129 Resp: 3087
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

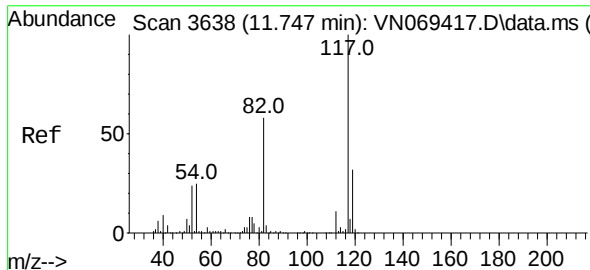


Abundance Scan 4006 (12.734 min): VN069417.D\data.ms (-3962) (-)

4-Bromofluorobenzene
Concen: 51.40 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.003 min
Lab File: VN069519.D
Acq: 16 Nov 2021 19:49

Tgt Ion: 95 Resp: 1015597
Ion Ratio Lower Upper
95 100
174 75.5 0.0 187.2
176 73.1 0.0 181.4

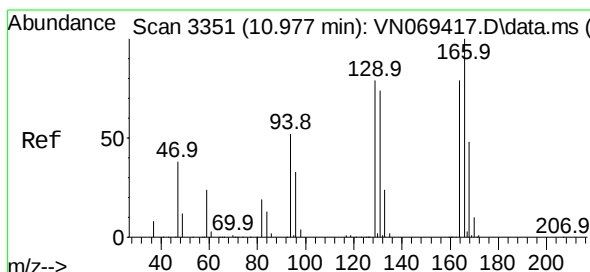
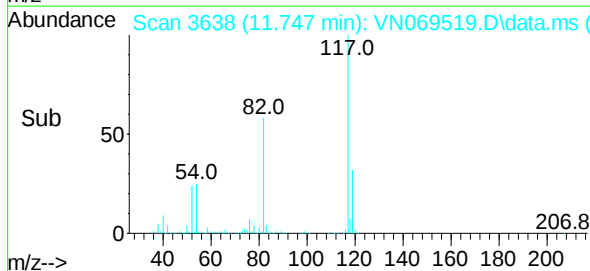
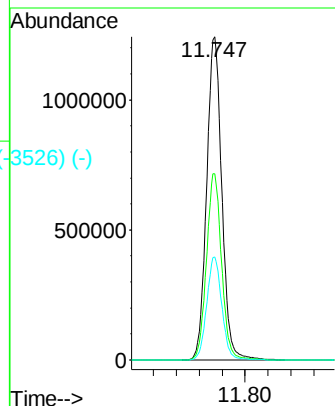
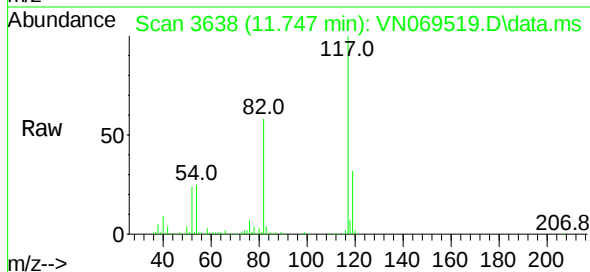




Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069519.D
Acq: 16 Nov 2021 19:49

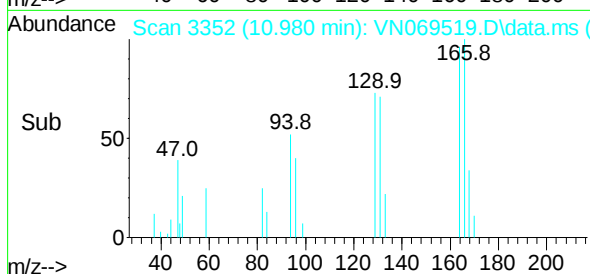
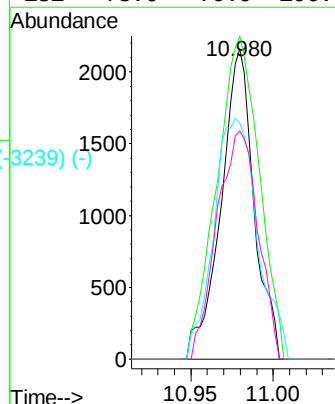
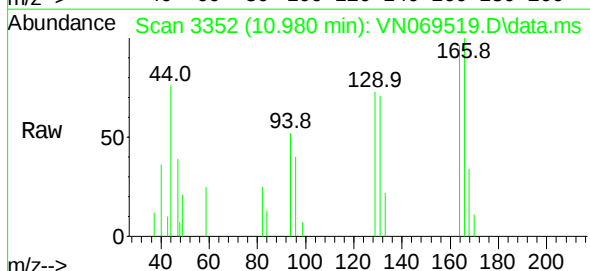
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 2269056
Ion Ratio Lower Upper
117 100
82 57.5 42.4 63.6
119 31.9 25.4 38.2



Tetrachloroethene
Concen: 0.22 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. 0.003 min
Lab File: VN069519.D
Acq: 16 Nov 2021 19:49

Tgt Ion:164 Resp: 3002
Ion Ratio Lower Upper
164 100
166 104.2 101.9 152.9
129 76.1 72.0 108.0
131 73.6 70.9 106.3



Abundance Scan 3842 (12.294 min): VN069417.D\data.ms (-3670) (-)

Styrene

Concen: 1.52 ug/l

RT: 12.291 min Scan#

Delta R.T. -0.003 min

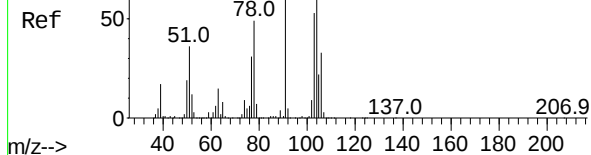
Lab File: VN069519.D

Acq: 16 Nov 2021 19:49

Instrument :

MSVOA_N

ClientSampleId :



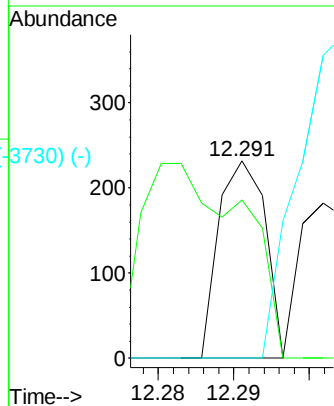
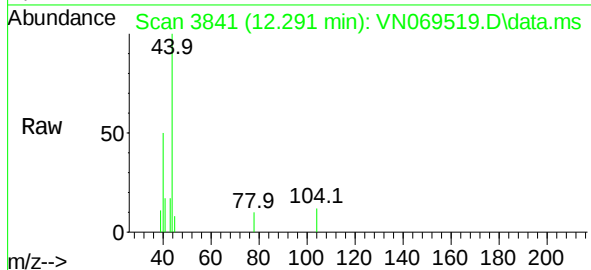
Tgt Ion:104 Resp: 99

Ion Ratio Lower Upper

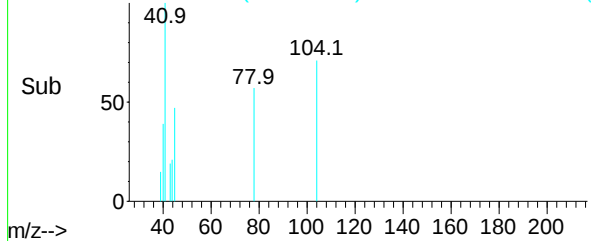
104 100

78 214.1 38.7 58.1#

103 0.0 45.0 67.6#



Abundance Scan 3841 (12.291 min): VN069519.D\data.ms (-3730) (-)



Abundance Scan 3904 (12.460 min): VN069417.D\data.ms (-3675) (-)

Bromoform

Concen: 3.43 ug/l

RT: 12.707 min Scan# 3996

Delta R.T. 0.247 min

Lab File: VN069519.D

Acq: 16 Nov 2021 19:49

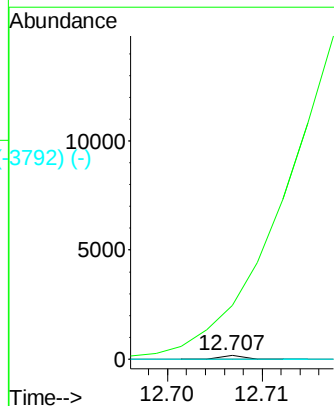
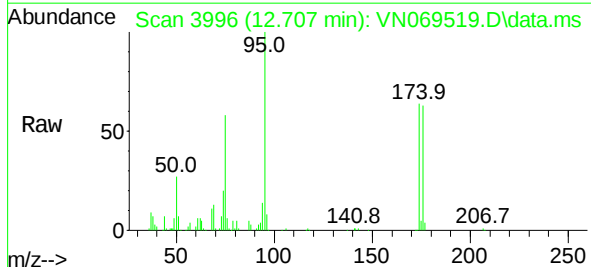
Tgt Ion:173 Resp: 28

Ion Ratio Lower Upper

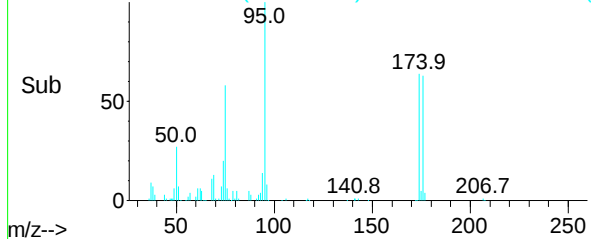
173 100

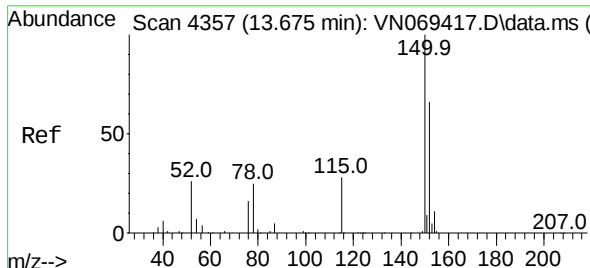
175 0.0 24.2 72.6#

254 0.0 0.0 0.0



Abundance Scan 3996 (12.707 min): VN069519.D\data.ms (-3792) (-)

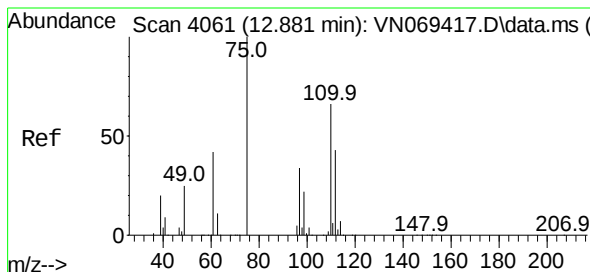
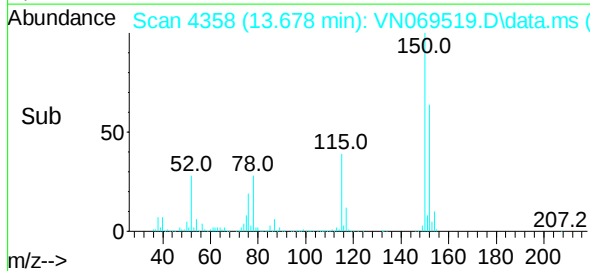
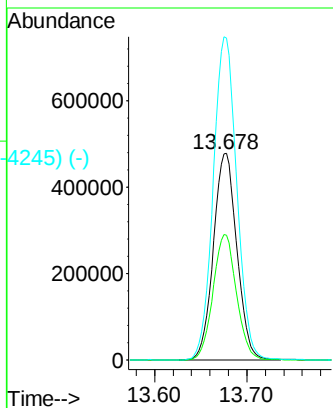
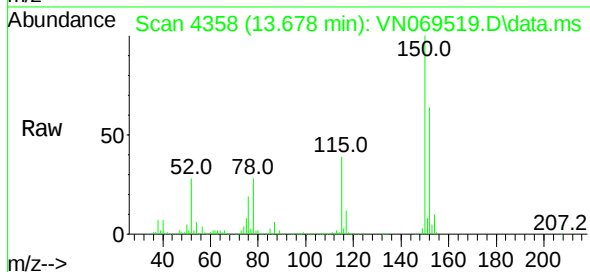




1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.678 min Scan# 4359
 Delta R.T. 0.003 min
 Lab File: VN069519.D
 Acq: 16 Nov 2021 19:49

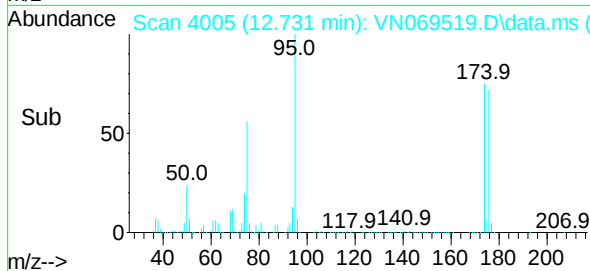
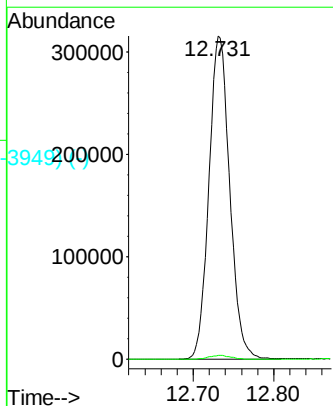
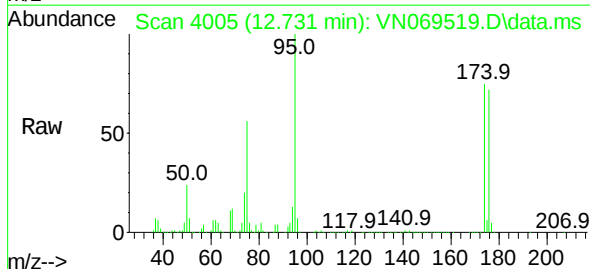
Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:	152	Resp:	843797
Ion	Ratio	Lower	Upper
152	100		
115	60.8	27.5	82.5
150	157.1	0.0	344.4



1,2,3-Trichloropropane
 Concen: 29.07 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.150 min
 Lab File: VN069519.D
 Acq: 16 Nov 2021 19:49

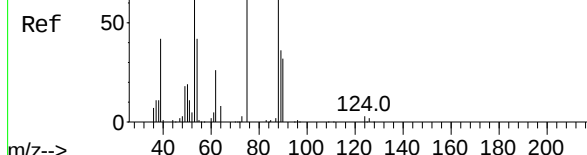
Tgt Ion:	75	Resp:	566109
Ion	Ratio	Lower	Upper
75	100		
77	1.2	82.6	247.8#



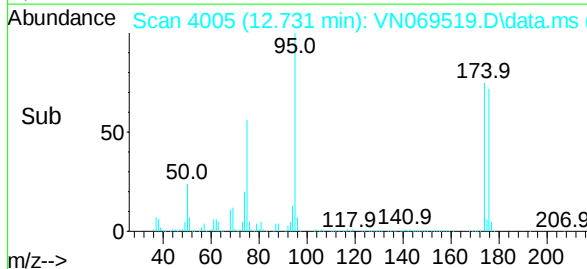
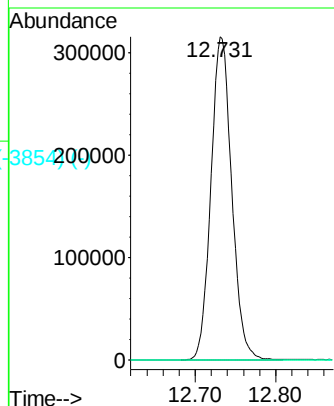
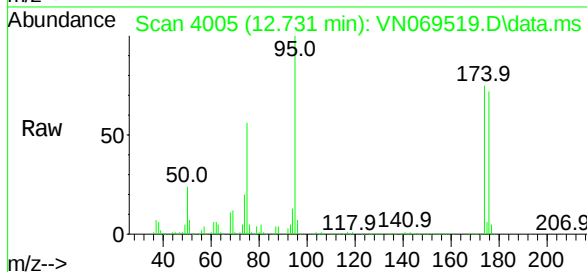
Abundance Scan 3966 (12.626 min): VN069417.D\data.ms (-3966) (-)

trans-1,4-Dichloro-2-butene
Concen: 82.31 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069519.D
Acq: 16 Nov 2021 19:49

Instrument :
MSVOA_N
ClientSampleId :



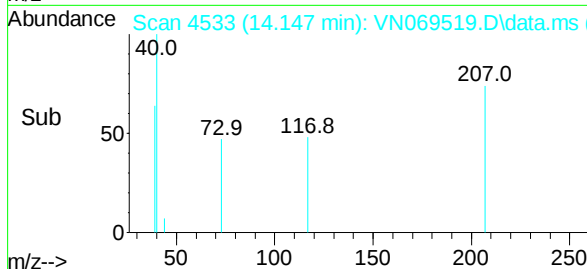
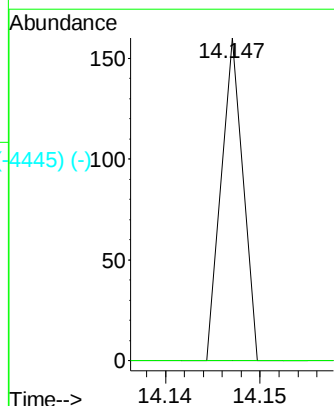
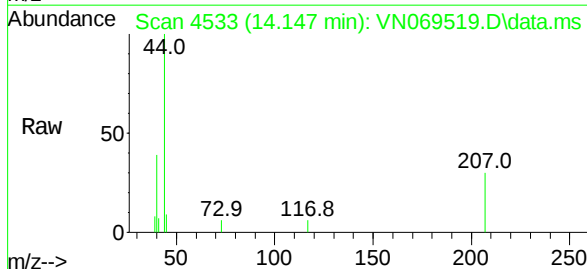
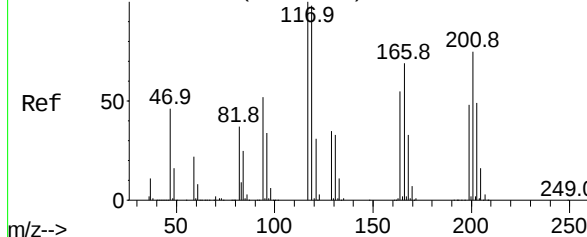
Tgt Ion: 75 Resp: 566109
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



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

Hexachloroethane
Concen: 2.16 ug/l
RT: 14.147 min Scan# 4533
Delta R.T. -0.064 min
Lab File: VN069519.D
Acq: 16 Nov 2021 19:49

Tgt Ion: 117 Resp: 26
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#



Abundance Scan 4704 (14.606 min): VN069417.D\data.ms (-4592) (-)

1,2-Dibromo-3-Chloropropane

Concen: 1.91 ug/l

RT: 14.598 min Scan# 4923

Delta R.T. -0.008 min

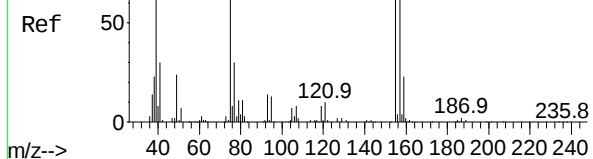
Lab File: VN069519.D

Acq: 16 Nov 2021 19:49

Instrument :

MSVOA_N

ClientSampleId :



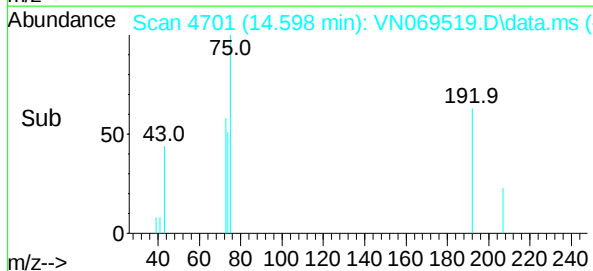
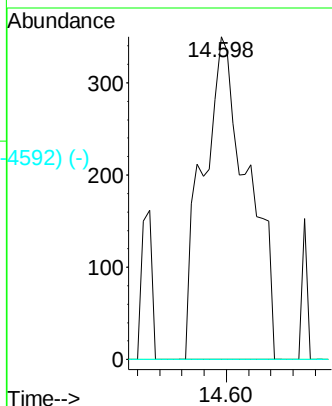
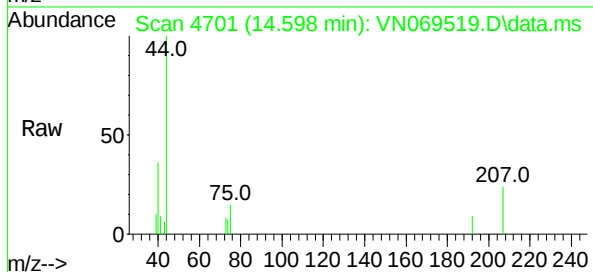
Tgt Ion: 75 Resp: 496

Ion Ratio Lower Upper

75 100

155 0.0 46.9 140.7#

157 0.0 60.6 181.7#



Abundance Scan 4950 (15.265 min): VN069417.D\data.ms (-4923) (-)

1,2,4-Trichlorobenzene

Concen: 3.14 ug/l

RT: 15.260 min Scan# 4948

Delta R.T. -0.005 min

Lab File: VN069519.D

Acq: 16 Nov 2021 19:49

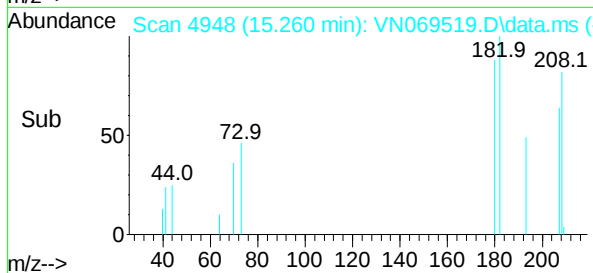
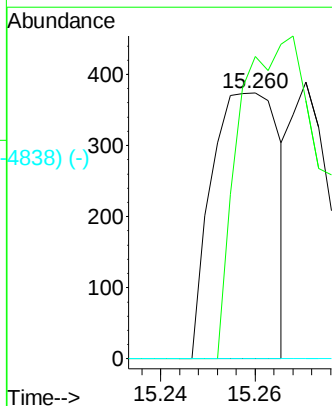
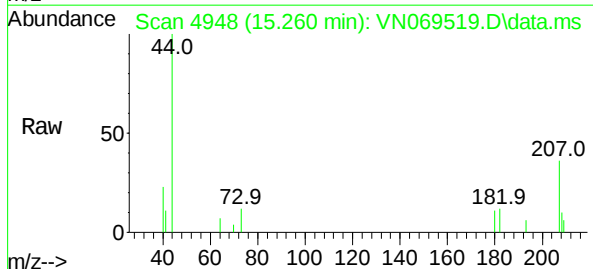
Tgt Ion: 180 Resp: 369

Ion Ratio Lower Upper

180 100

182 162.9 48.3 144.9#

145 0.0 14.5 43.5#



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

Naphthalene

Concen: 4.51 ug/l

RT: 15.507 min Scan# 5115

Delta R.T. -0.000 min

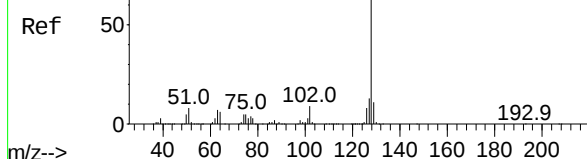
Lab File: VN069519.D

Acq: 16 Nov 2021 19:49

Instrument :

MSVOA_N

ClientSampleId :



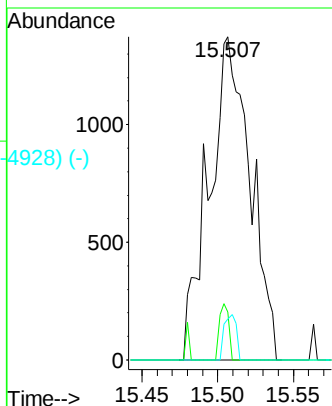
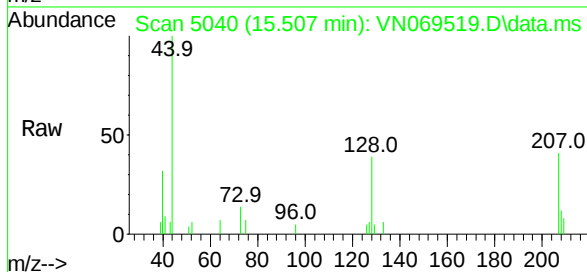
Tgt Ion:128 Resp: 2597

Ion Ratio Lower Upper

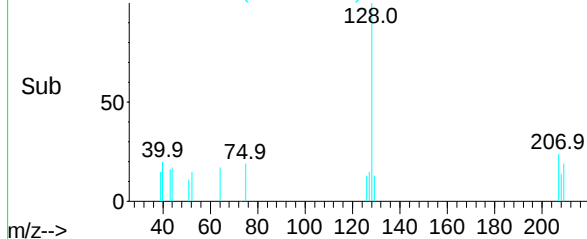
128 100

127 4.0 10.5 15.7#

129 4.2 8.7 13.1#



Abundance Scan 5040 (15.507 min): VN069519.D\data.ms (-4928) (-)



Abundance Scan 5112 (15.700 min): VN069417.D\data.ms (-5096) (-)

1,2,3-Trichlorobenzene

Concen: 3.21 ug/l

RT: 15.708 min Scan# 5115

Delta R.T. 0.008 min

Lab File: VN069519.D

Acq: 16 Nov 2021 19:49

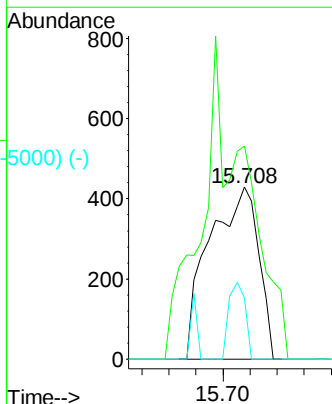
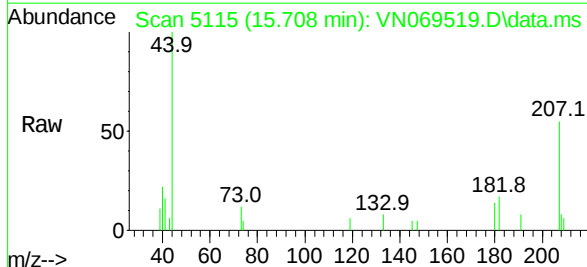
Tgt Ion:180 Resp: 544

Ion Ratio Lower Upper

180 100

182 0.0 47.4 142.2#

145 14.9 15.0 45.1#



Abundance Scan 5115 (15.708 min): VN069519.D\data.ms (-5000) (-)

