

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111621\
 Data File : VN069516.D
 Acq On : 16 Nov 2021 18:32
 Operator : JC/MD
 Sample : M4714-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 17 00:58:41 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)

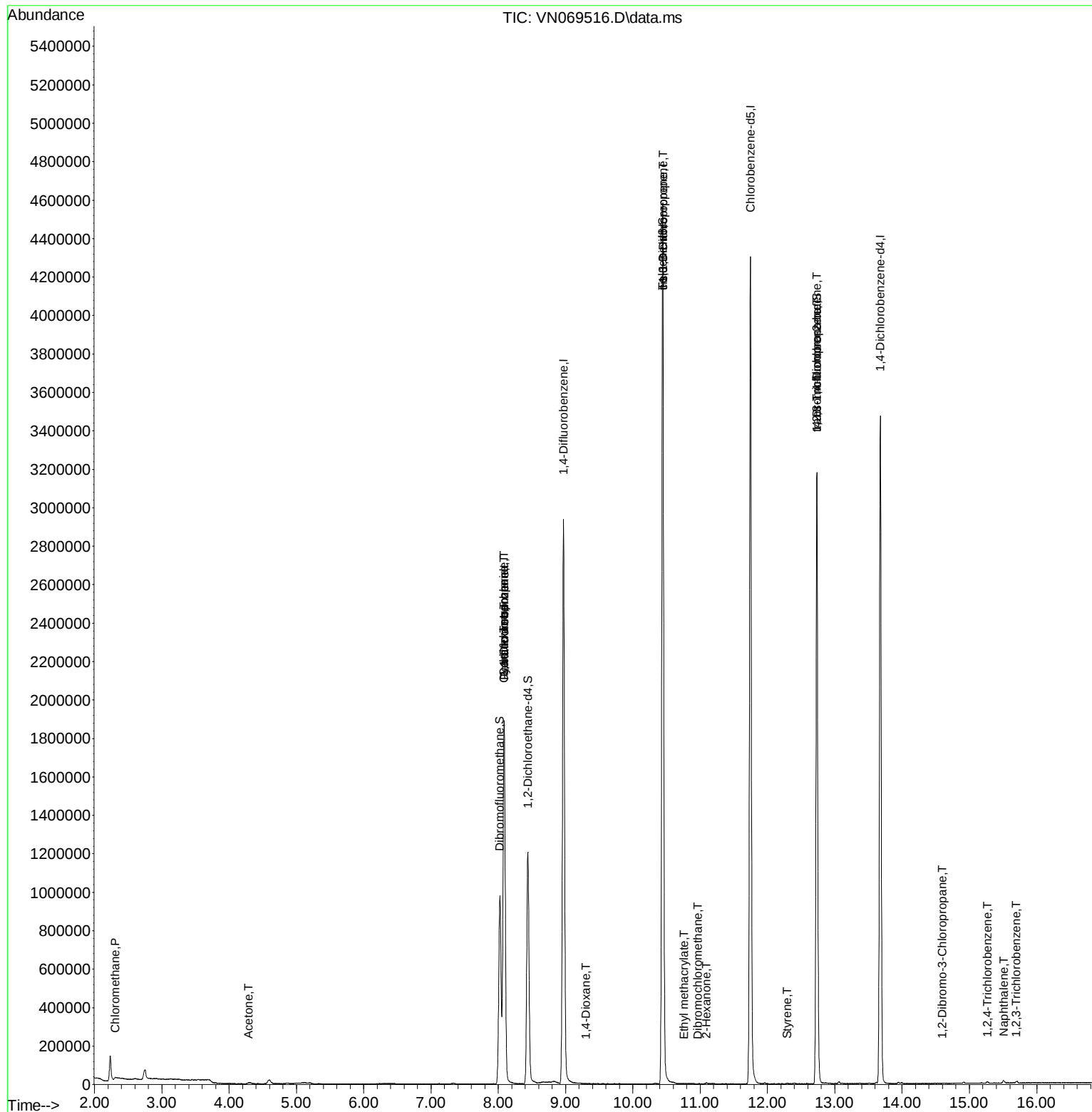
Internal Standards						
1) Pentafluorobenzene	8.088	168	1407076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2465455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2455351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	915146	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1034728	50.72	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	=	101.44%	
35) Dibromofluoromethane	8.024	113	711468	48.12	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	=	96.24%	
50) Toluene-d8	10.443	98	3140910	54.01	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	=	108.02%	
62) 4-Bromofluorobenzene	12.733	95	1099948	51.49	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	=	102.98%	
Target Compounds					Qvalue	
3) Chloromethane	2.306	50	5135	0.29 ug/l	#	73
13) Acrolein	4.036	56	223	Below Cal	#	1
16) Acetone	4.285	43	3129	0.28 ug/l		91
31) Cyclohexane	8.083	56	37579	1.35 ug/l	#	30
36) 1,1-Dichloropropene	8.086	75	121798	5.87 ug/l	#	49
38) Carbon Tetrachloride	8.086	117	146156	7.30 ug/l	#	16
49) 1,4-Dioxane	9.306	88	27	39.12 ug/l	#	1
53) t-1,3-Dichloropropene	10.446	75	1368	2.69 ug/l	#	1
54) cis-1,3-Dichloropropene	10.446	75	1399	1.78 ug/l	#	1
56) Ethyl methacrylate	10.760	69	251	2.06 ug/l	#	1
59) 2-Hexanone	11.092	43	5920	8.18 ug/l		72
60) Dibromochloromethane	10.966	129	310	2.43 ug/l	#	11
70) Styrene	12.294	104	901	1.54 ug/l		91
76) 1,2,3-Trichloropropane	12.731	75	617151	29.22 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.731	75	617151	82.70 ug/l	#	5
92) 1,2-Dibromo-3-Chloropr...	14.600	75	294	1.86 ug/l	#	15
93) 1,2,4-Trichlorobenzene	15.265	180	2710	3.29 ug/l	#	80
95) Naphthalene	15.509	128	11571	4.71 ug/l		95
96) 1,2,3-Trichlorobenzene	15.692	180	1335	3.26 ug/l	#	74

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

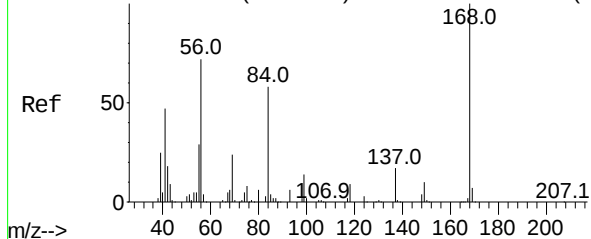
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111621\
Data File : VN069516.D
Acq On : 16 Nov 2021 18:32
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Response via : Initial Calibration



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



Pentafluorobenzene

Concen: 50.00 ug/l

RT: 8.088 min Scan# 1

Delta R.T. 0.002 min

Lab File: VN069516.D

Acq: 16 Nov 2021 18:32

Instrument :

MSVOA_N

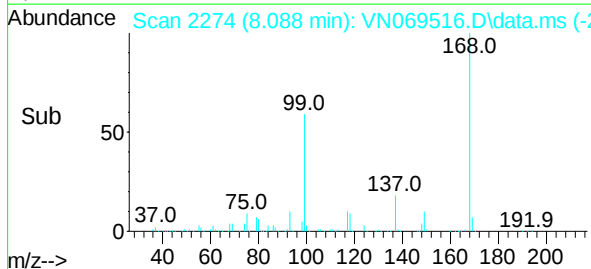
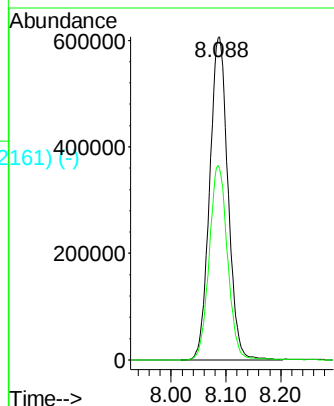
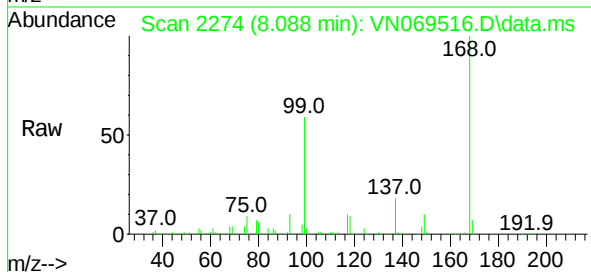
ClientSampleId :

Tgt Ion:168 Resp: 1407076

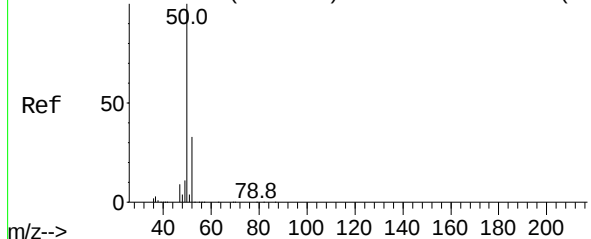
Ion Ratio Lower Upper

168 100

99 59.3 41.3 61.9



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



Chloromethane

Concen: 0.29 ug/l

RT: 2.306 min Scan# 118

Delta R.T. 0.003 min

Lab File: VN069516.D

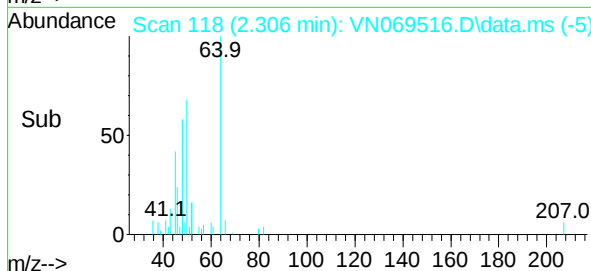
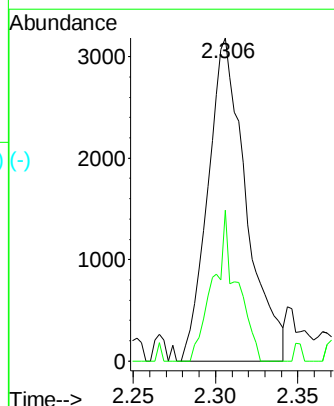
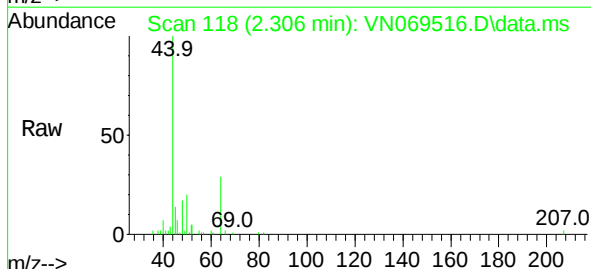
Acq: 16 Nov 2021 18:32

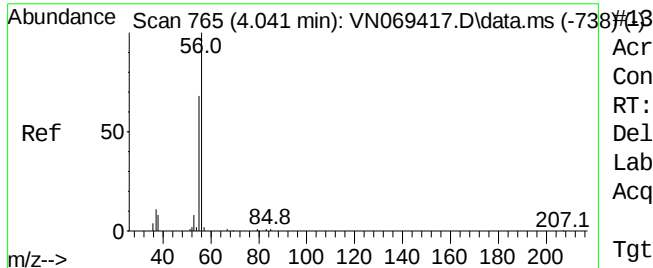
Tgt Ion: 50 Resp: 5135

Ion Ratio Lower Upper

50 100

52 46.7 25.4 38.0#





Acrolein

Concen: Below Cal

RT: 4.036 min Scan#

Delta R.T. -0.005 min

Lab File: VN069516.D

Acq: 16 Nov 2021 18:32

Instrument :

MSVOA_N

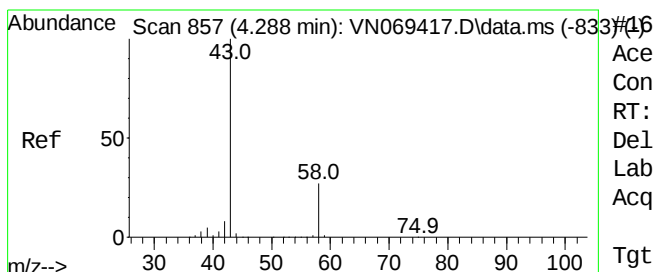
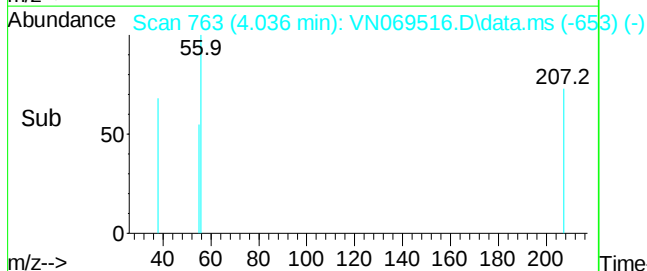
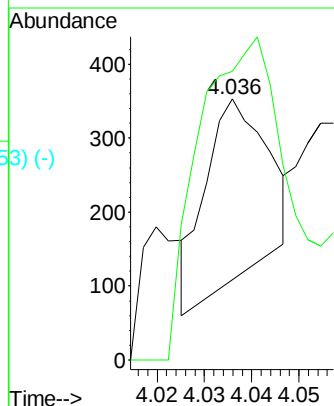
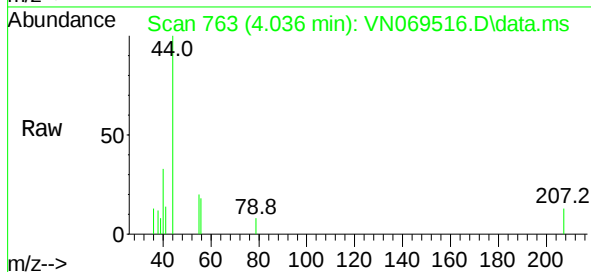
ClientSampleId :

Tgt Ion: 56 Resp: 223

Ion Ratio Lower Upper

56 100

55 259.6 56.6 85.0#



Acetone

Concen: 0.28 ug/l

RT: 4.285 min Scan# 856

Delta R.T. -0.003 min

Lab File: VN069516.D

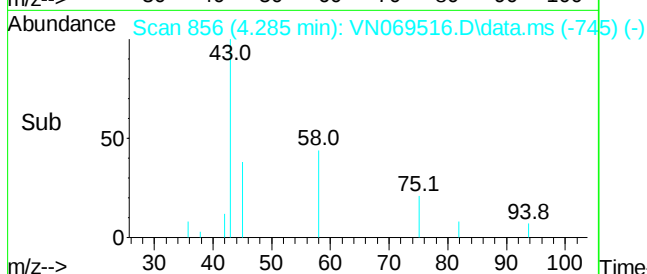
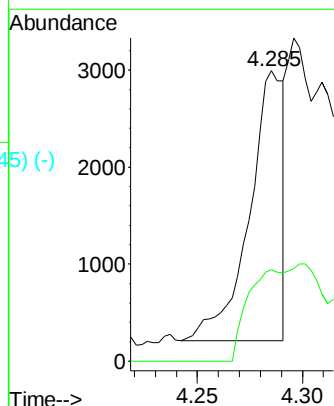
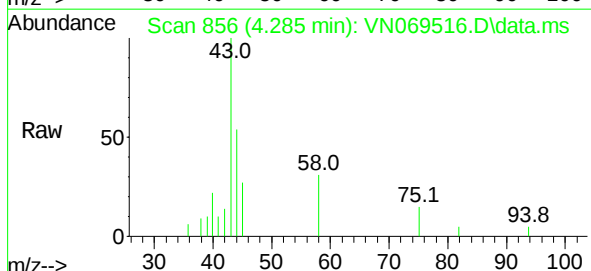
Acq: 16 Nov 2021 18:32

Tgt Ion: 43 Resp: 3129

Ion Ratio Lower Upper

43 100

58 33.9 23.1 34.7



Abundance Scan 2276 (8.094 min): VN069417.D\data.ms (-22481-)

Cyclohexane

Concen: 1.35 ug/l

RT: 8.083 min Scan# 21

Delta R.T. -0.011 min

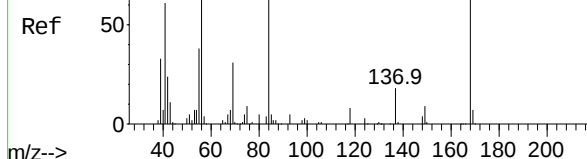
Lab File: VN069516.D

Acq: 16 Nov 2021 18:32

Instrument :

MSVOA_N

ClientSampleId :



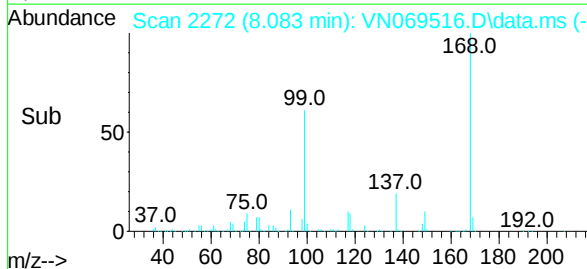
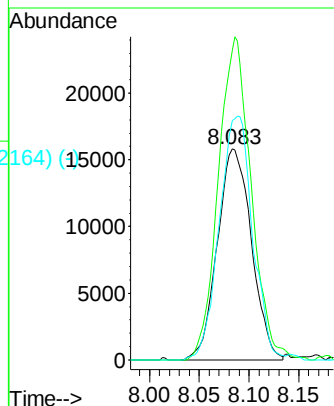
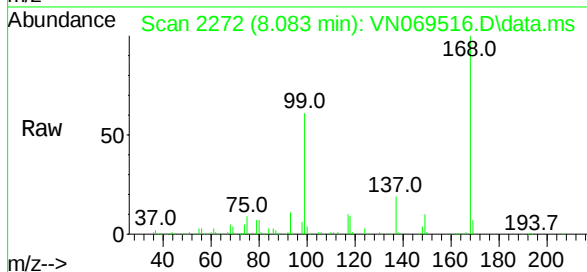
Tgt Ion: 56 Resp: 37579

Ion Ratio Lower Upper

56 100

69 146.5 27.1 40.7#

84 113.1 73.4 110.0#



Abundance Scan 2405 (8.440 min): VN069417.D\data.ms (-23693-)

1,2-Dichloroethane-d4

Concen: 50.72 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN069516.D

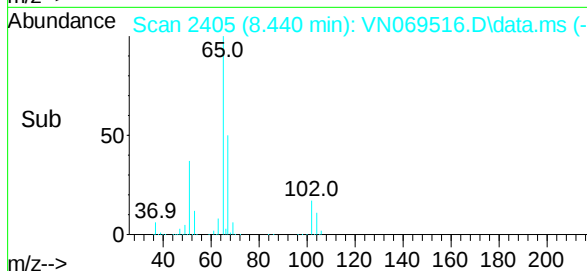
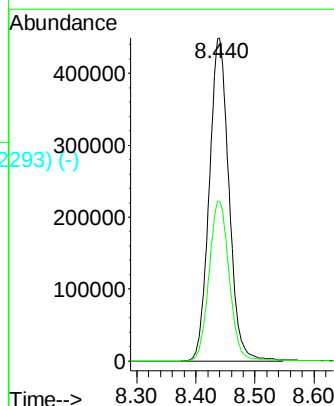
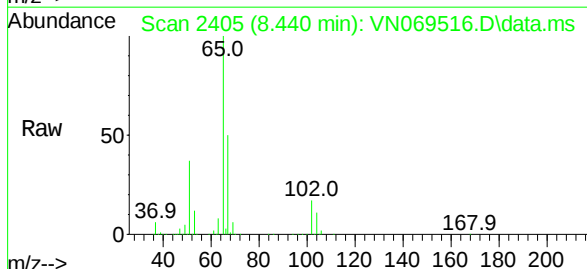
Acq: 16 Nov 2021 18:32

Tgt Ion: 65 Resp: 1034728

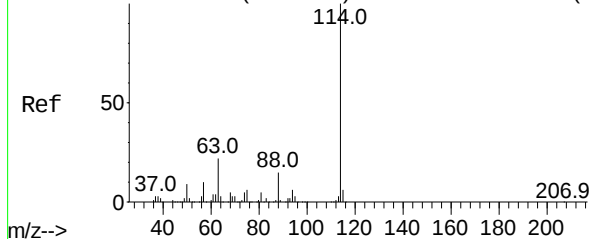
Ion Ratio Lower Upper

65 100

67 50.8 0.0 103.0



Abundance Scan 2602 (8.968 min): VN069417.D\data.ms (-25794-)



1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.968 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN069516.D

Acq: 16 Nov 2021 18:32

Instrument :

MSVOA_N

ClientSampleId :

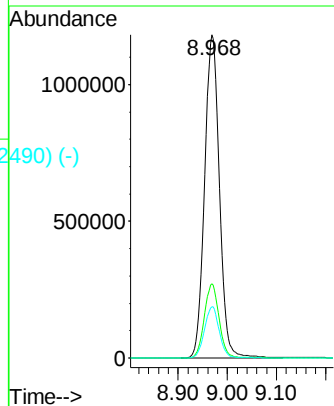
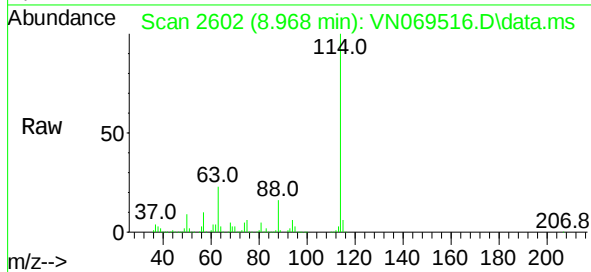
Tgt Ion:114 Resp: 2465455

Ion Ratio Lower Upper

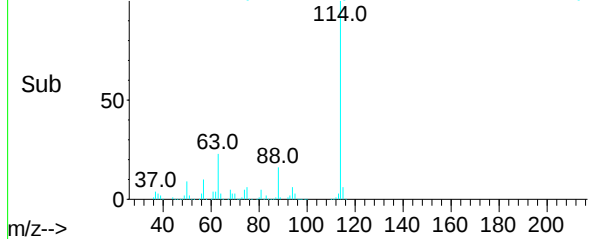
114 100

63 23.0 0.0 37.8

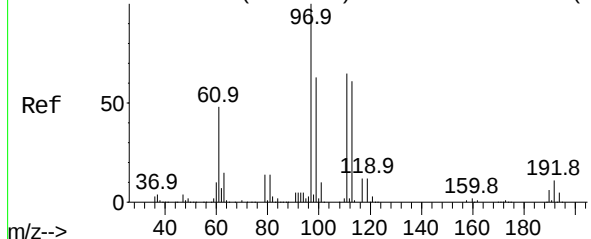
88 15.9 0.0 27.4



Abundance Scan 2602 (8.968 min): VN069516.D\data.ms (-2490-)



Abundance Scan 2249 (8.021 min): VN069417.D\data.ms (-22235-)



Dibromofluoromethane

Concen: 48.12 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN069516.D

Acq: 16 Nov 2021 18:32

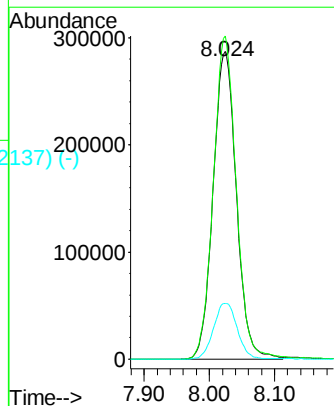
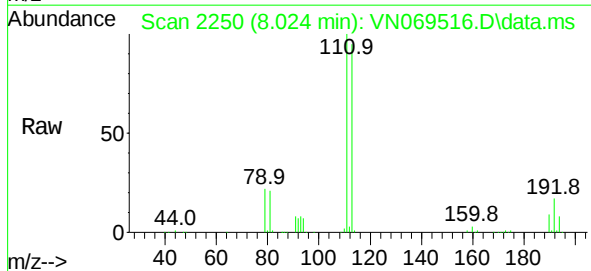
Tgt Ion:113 Resp: 711468

Ion Ratio Lower Upper

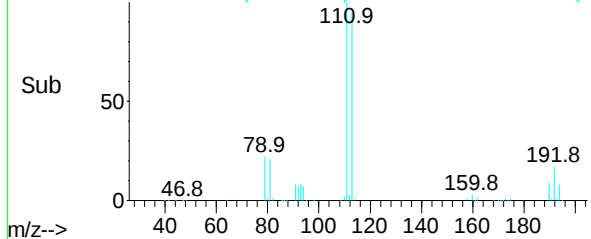
113 100

111 103.5 82.2 123.2

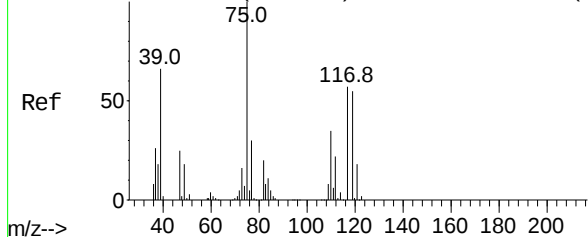
192 18.4 16.9 25.3



Abundance Scan 2250 (8.024 min): VN069516.D\data.ms (-2137-)



Abundance Scan 2324 (8.223 min): VN069417.D\data.ms (-22936)



1,1-Dichloropropene

Concen: 5.87 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.137 min

Lab File: VN069516.D

Acq: 16 Nov 2021 18:32

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ClientSampleId :

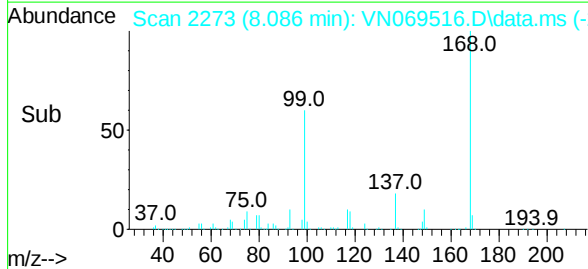
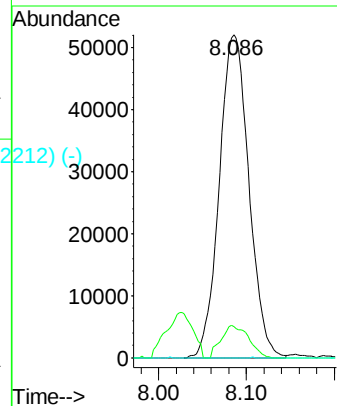
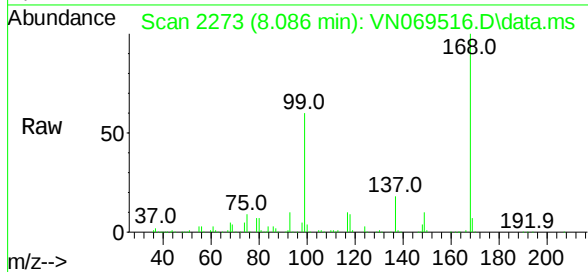
Tgt Ion: 75 Resp: 121798

Ion Ratio Lower Upper

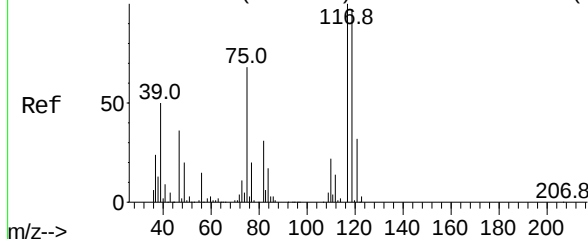
75 100

110 9.4 18.4 55.2#

77 0.0 24.4 36.6#



Abundance Scan 2318 (8.206 min): VN069417.D\data.ms (-22936)



Carbon Tetrachloride

Concen: 7.30 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.120 min

Lab File: VN069516.D

Acq: 16 Nov 2021 18:32

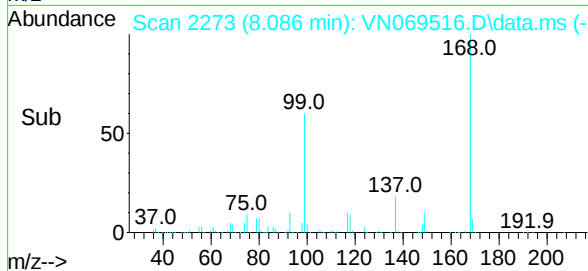
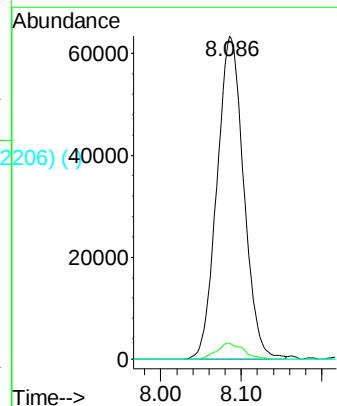
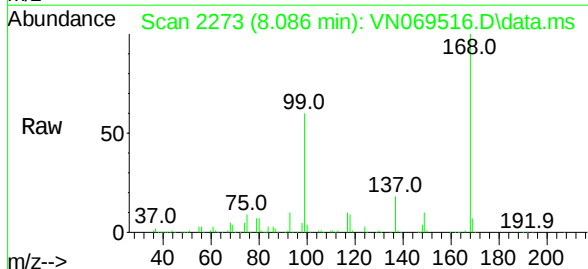
Tgt Ion:117 Resp: 146156

Ion Ratio Lower Upper

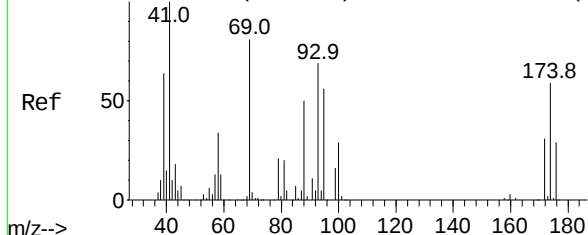
117 100

119 4.9 76.1 114.1#

121 0.0 24.2 36.2#



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



1,4-Dioxane

Concen: 39.12 ug/l

RT: 9.306 min Scan# 1

Delta R.T. -0.266 min

Lab File: VN069516.D

Acq: 16 Nov 2021 18:32

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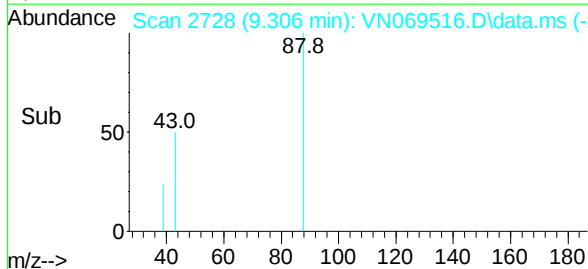
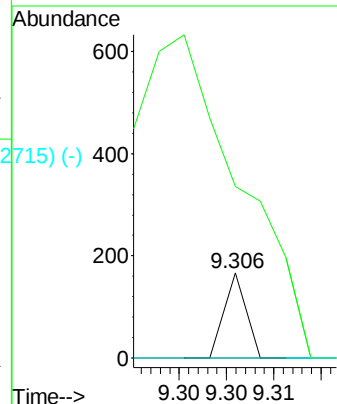
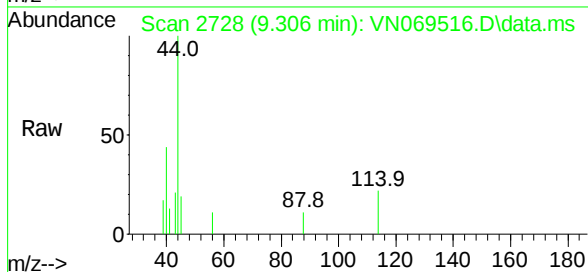
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

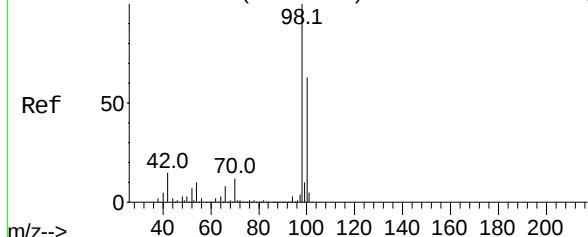
88 100

43 1781.5 23.4 35.2#

58 0.0 50.6 75.8#



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



Toluene-d8

Concen: 54.01 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.002 min

Lab File: VN069516.D

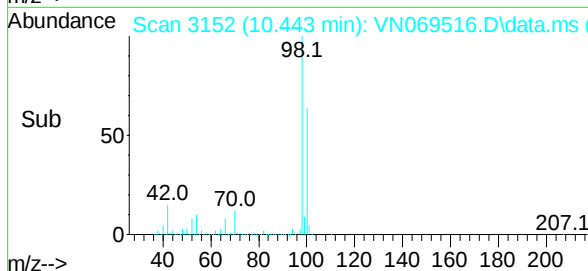
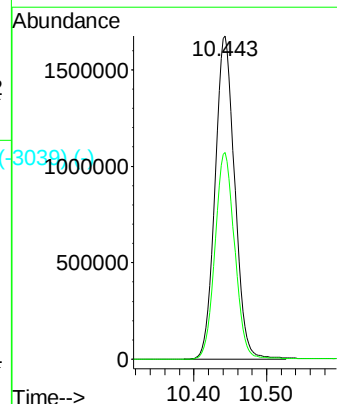
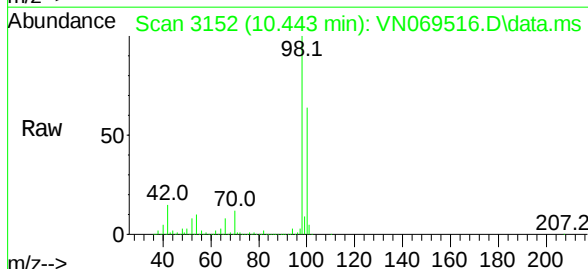
Acq: 16 Nov 2021 18:32

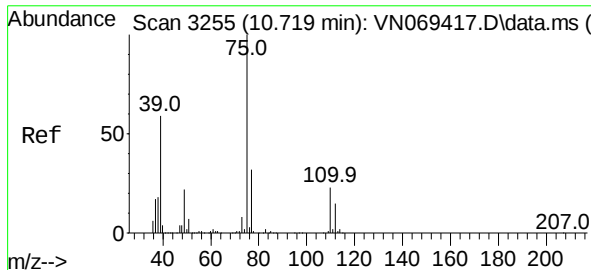
Tgt Ion: 98 Resp: 3140910

Ion Ratio Lower Upper

98 100

100 64.0 50.4 75.6

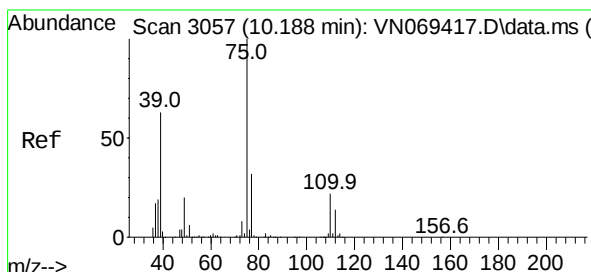
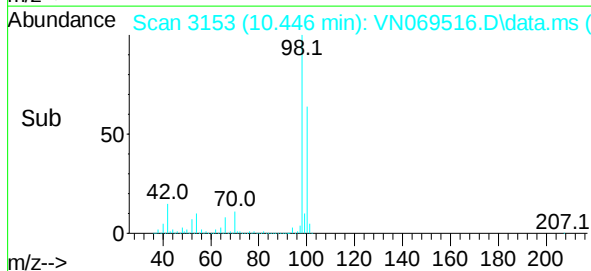
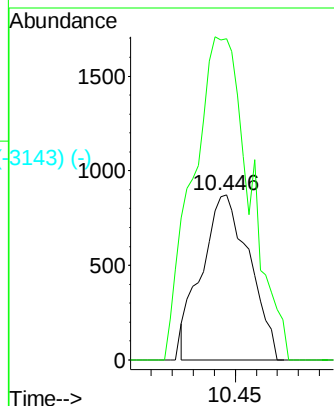
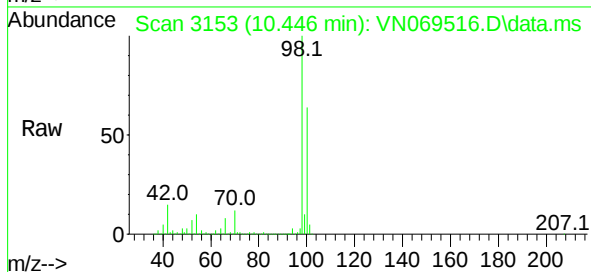




t-1,3-Dichloropropene
 Concen: 2.69 ug/l
 RT: 10.446 min Scan# 3153
 Delta R.T. -0.273 min
 Lab File: VN069516.D
 Acq: 16 Nov 2021 18:32

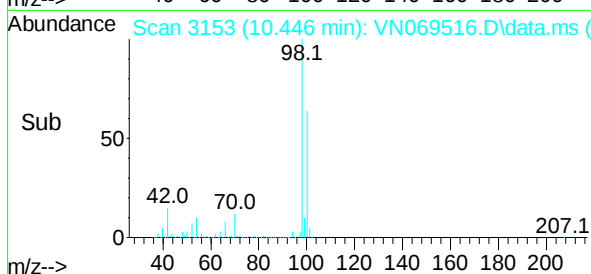
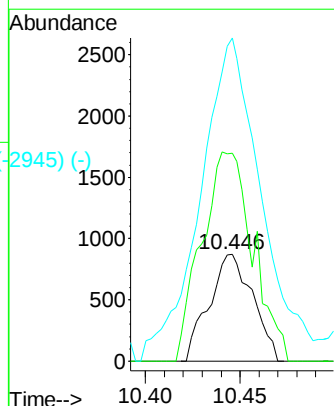
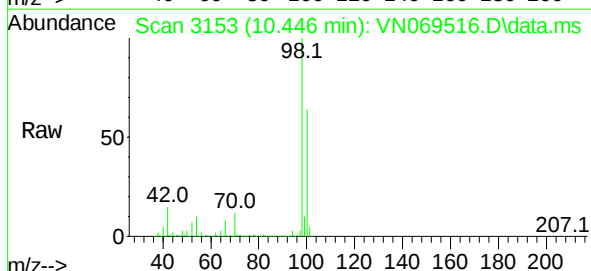
Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 1368
 Ion Ratio Lower Upper
 75 100
 77 170.0 25.6 38.4#



cis-1,3-Dichloropropene
 Concen: 1.78 ug/l
 RT: 10.446 min Scan# 3153
 Delta R.T. 0.258 min
 Lab File: VN069516.D
 Acq: 16 Nov 2021 18:32

Tgt Ion: 75 Resp: 1399
 Ion Ratio Lower Upper
 75 100
 77 170.0 26.4 39.6#
 39 243.2 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

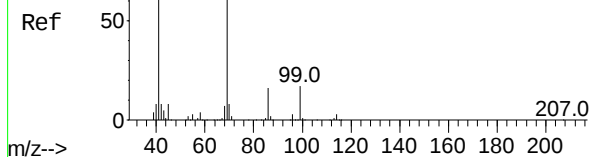
Lab File: VN069516.D

Acq: 16 Nov 2021 18:32

Instrument :

MSVOA_N

ClientSampleId :



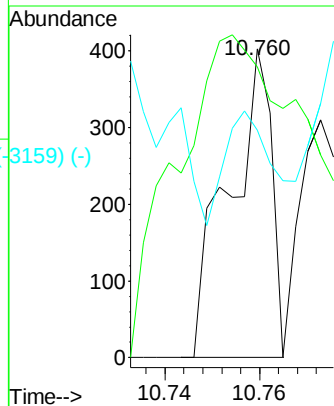
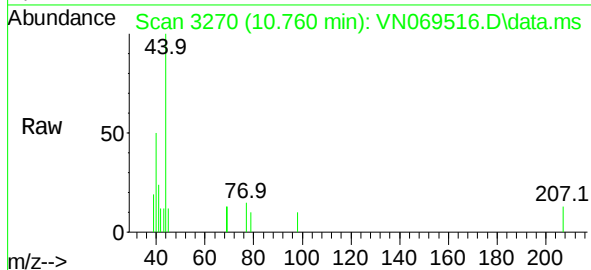
Tgt Ion: 69 Resp: 251

Ion Ratio Lower Upper

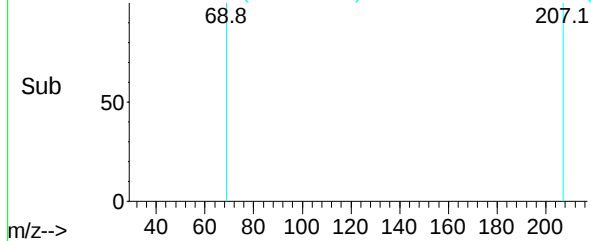
69 100

41 330.3 51.4 77.0#

39 47.8 34.6 52.0



Abundance Scan 3270 (10.760 min): VN069516.D\data.ms (-3159) (-)



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

2-Hexanone

Concen: 8.18 ug/l

RT: 11.092 min Scan# 3394

Delta R.T. 0.005 min

Lab File: VN069516.D

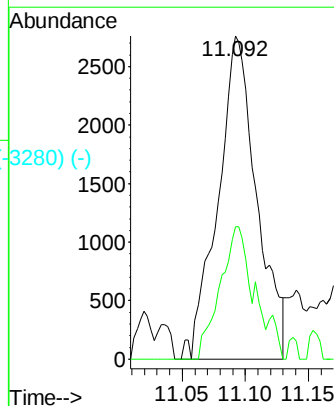
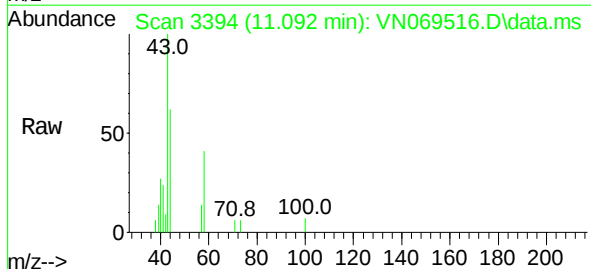
Acq: 16 Nov 2021 18:32

Tgt Ion: 43 Resp: 5920

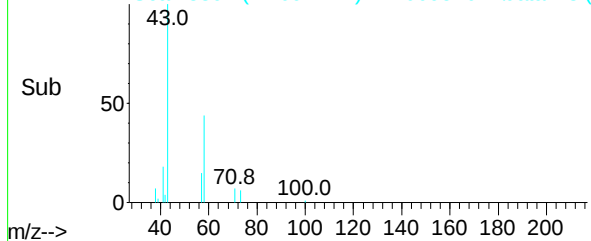
Ion Ratio Lower Upper

43 100

58 33.8 26.9 80.7



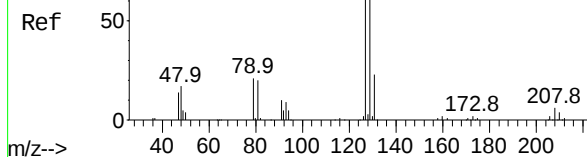
Abundance Scan 3394 (11.092 min): VN069516.D\data.ms (-3280) (-)



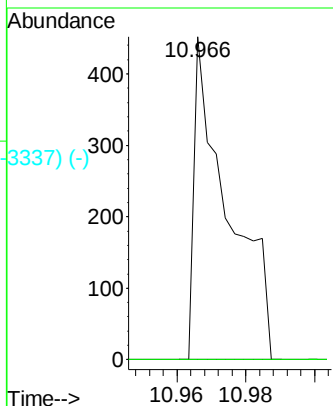
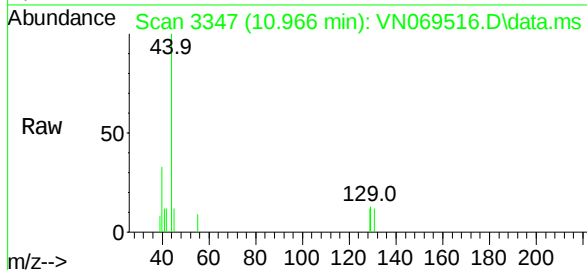
Abundance Scan 3449 (11.240 min): VN069417.D\data.ms (-3449) (-)

Dibromochloromethane
Concen: 2.43 ug/l
RT: 10.966 min Scan# 3449
Delta R.T. -0.274 min
Lab File: VN069516.D
Acq: 16 Nov 2021 18:32

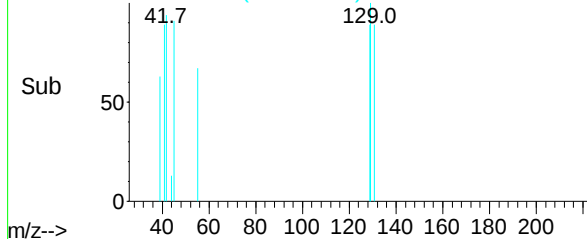
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:129 Resp: 310
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



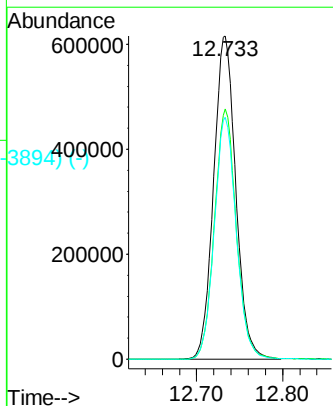
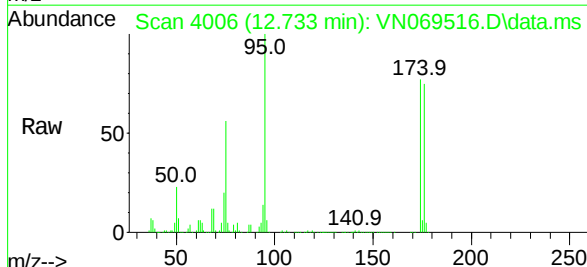
Abundance Scan 3347 (10.966 min): VN069516.D\data.ms (-3337) (-)



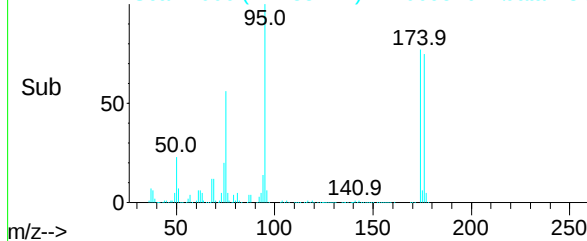
Abundance Scan 4006 (12.734 min): VN069417.D\data.ms (-3962) (-)

4-Bromofluorobenzene
Concen: 51.49 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN069516.D
Acq: 16 Nov 2021 18:32

Tgt Ion: 95 Resp: 1099948
Ion Ratio Lower Upper
95 100
174 76.4 0.0 187.2
176 74.2 0.0 181.4



Abundance Scan 4006 (12.733 min): VN069516.D\data.ms (-3894) (-)



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

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.746 min Scan# 3638

Delta R.T. -0.001 min

Lab File: VN069516.D

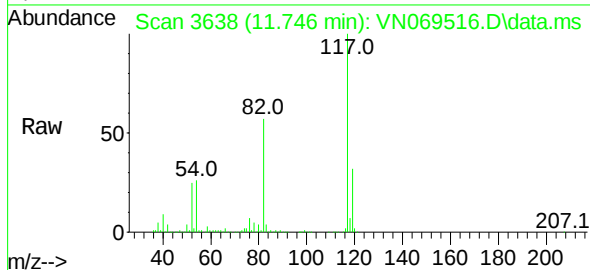
Acq: 16 Nov 2021 18:32

Instrument :

MSVOA_N

ClientSampleId :

Abundance Scan 3638 (11.746 min): VN069516.D\data.ms



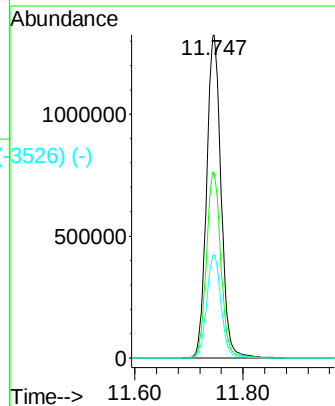
Tgt Ion:117 Resp: 2455351

Ion Ratio Lower Upper

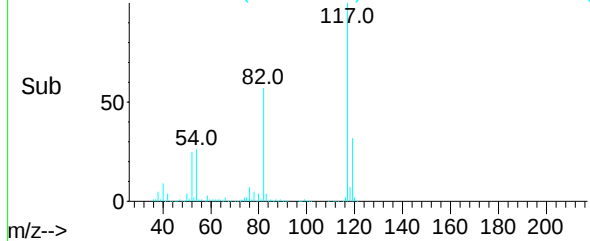
117 100

82 57.3 42.4 63.6

119 32.1 25.4 38.2



Abundance Scan 3638 (11.746 min): VN069516.D\data.ms (-3526) (-)



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

Styrene

Concen: 1.54 ug/l

RT: 12.294 min Scan# 3842

Delta R.T. -0.000 min

Lab File: VN069516.D

Acq: 16 Nov 2021 18:32

Tgt Ion:104 Resp: 901

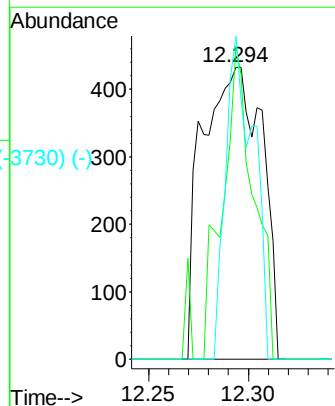
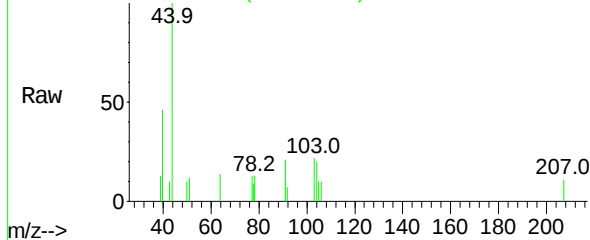
Ion Ratio Lower Upper

104 100

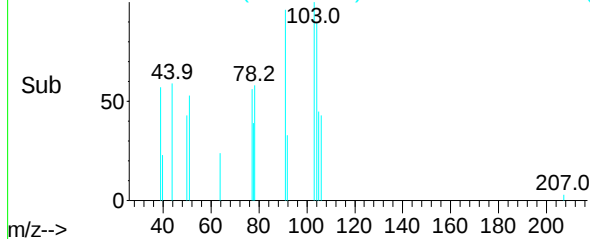
78 56.6 38.7 58.1

103 52.1 45.0 67.6

Abundance Scan 3842 (12.294 min): VN069516.D\data.ms



Abundance Scan 3842 (12.294 min): VN069516.D\data.ms (-3730) (-)



Abundance Scan 4357 (13.675 min): VN069417.D\data.ms (-4357) (-)

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.675 min Scan# 4357

Delta R.T. -0.000 min

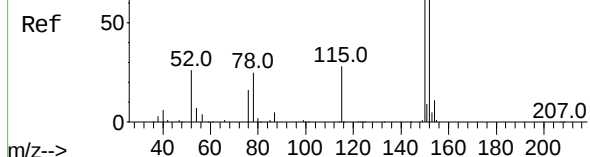
Lab File: VN069516.D

Acq: 16 Nov 2021 18:32

Instrument :

MSVOA_N

ClientSampleId :



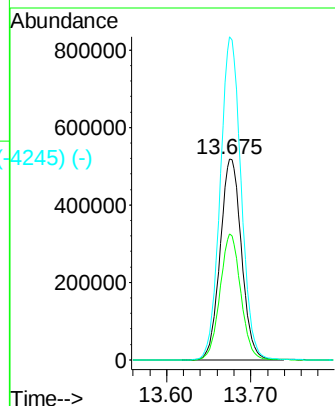
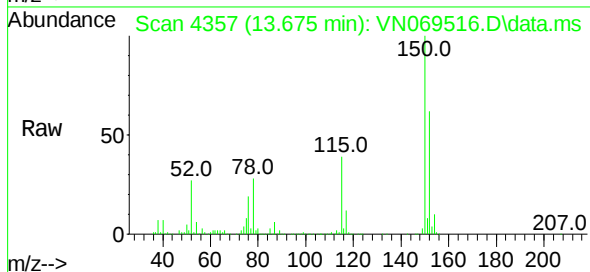
Tgt Ion:152 Resp: 915146

Ion Ratio Lower Upper

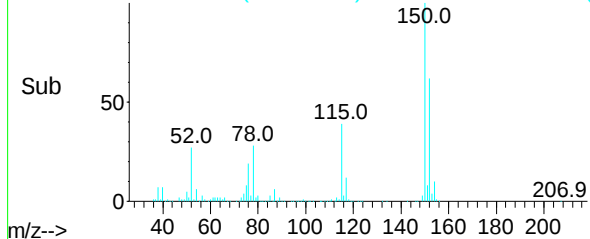
152 100

115 61.0 27.5 82.5

150 158.0 0.0 344.4



Abundance Scan 4357 (13.675 min): VN069516.D\data.ms (-4245) (-)



Abundance Scan 4061 (12.881 min): VN069417.D\data.ms (-4056) (-)

1,2,3-Trichloropropane

Concen: 29.22 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.150 min

Lab File: VN069516.D

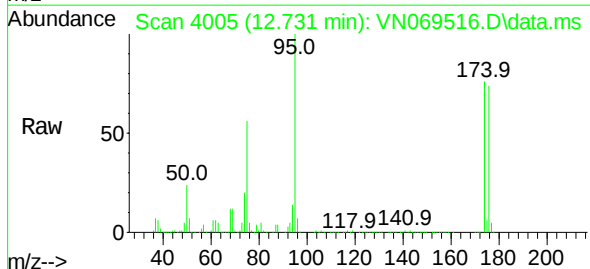
Acq: 16 Nov 2021 18:32

Tgt Ion: 75 Resp: 617151

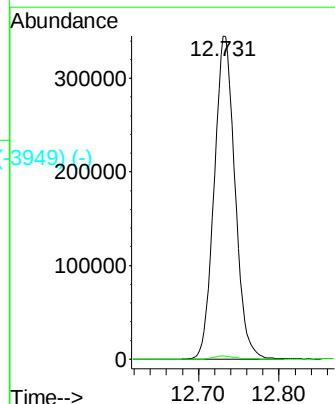
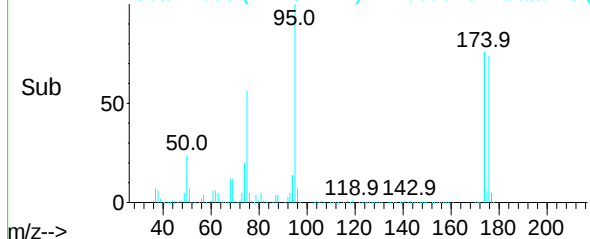
Ion Ratio Lower Upper

75 100

77 1.0 82.6 247.8#



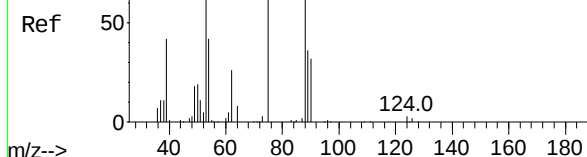
Abundance Scan 4005 (12.731 min): VN069516.D\data.ms (-3949) (-)



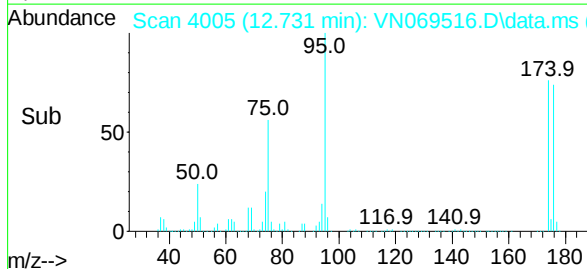
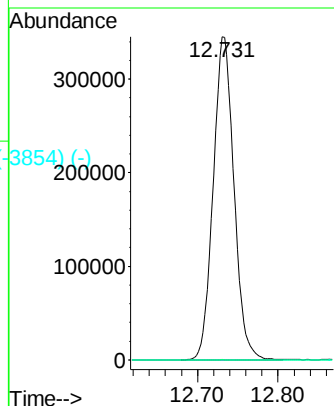
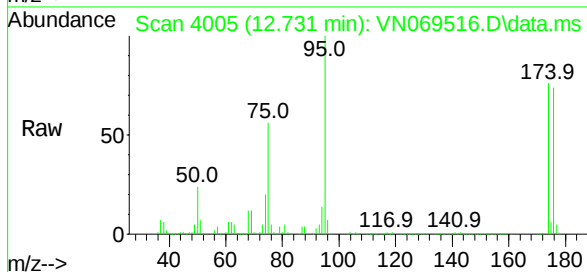
Abundance Scan 3966 (12.626 min): VN069417.D\data.ms (-3966) (-)

trans-1,4-Dichloro-2-butene
Concen: 82.70 ug/l
RT: 12.731 min Scan# 4195
Delta R.T. 0.105 min
Lab File: VN069516.D
Acq: 16 Nov 2021 18:32

Instrument :
MSVOA_N
ClientSampleId :



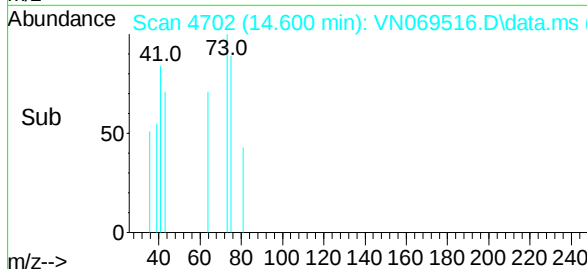
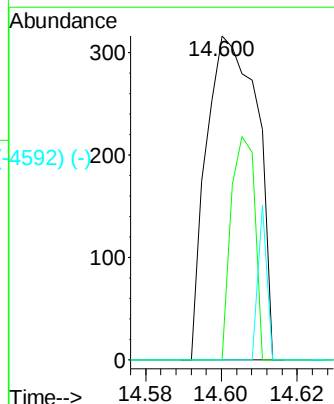
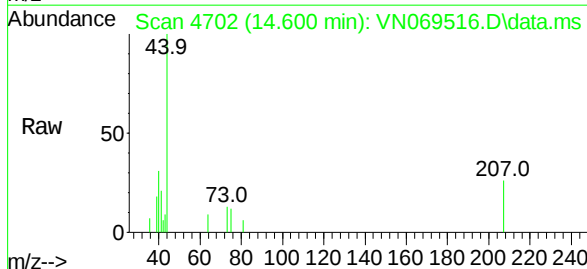
Tgt Ion:	75	Resp:	617151
Ion	Ratio	Lower	Upper
75	100		
53	0.0	90.5	135.7#
89	0.0	38.2	57.4#



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

1,2-Dibromo-3-Chloropropane
Concen: 1.86 ug/l
RT: 14.600 min Scan# 4702
Delta R.T. -0.006 min
Lab File: VN069516.D
Acq: 16 Nov 2021 18:32

Tgt Ion:	75	Resp:	294
Ion	Ratio	Lower	Upper
75	100		
155	32.3	46.9	140.7#
157	8.2	60.6	181.7#



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

1,2,4-Trichlorobenzene

Concen: 3.29 ug/l

RT: 15.265 min Scan# 4928

Delta R.T. 0.000 min

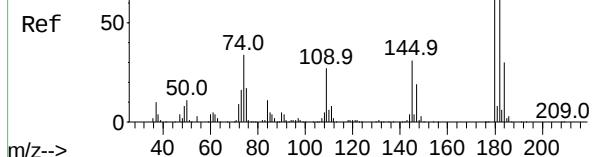
Lab File: VN069516.D

Acq: 16 Nov 2021 18:32

Instrument :

MSVOA_N

ClientSampleId :



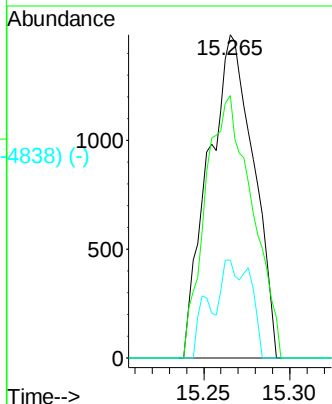
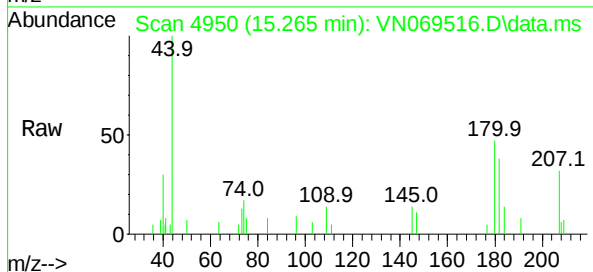
Tgt Ion:180 Resp: 2710

Ion Ratio Lower Upper

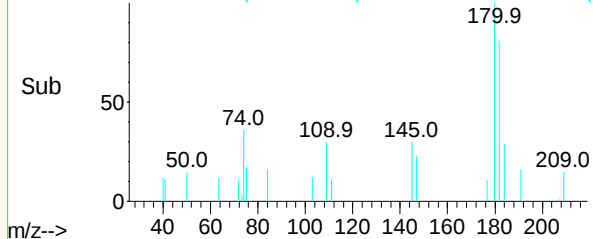
180 100

182 83.5 48.3 144.9

145 5.7 14.5 43.5#



Abundance Scan 4950 (15.265 min): VN069516.D\data.ms (-4838) (-)



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

Naphthalene

Concen: 4.71 ug/l

RT: 15.509 min Scan# 5041

Delta R.T. 0.002 min

Lab File: VN069516.D

Acq: 16 Nov 2021 18:32

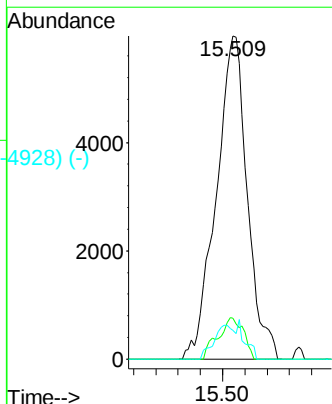
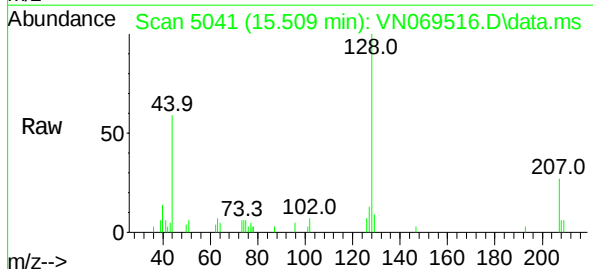
Tgt Ion:128 Resp: 11571

Ion Ratio Lower Upper

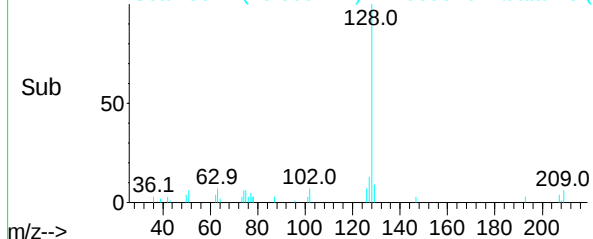
128 100

127 10.5 10.5 15.7

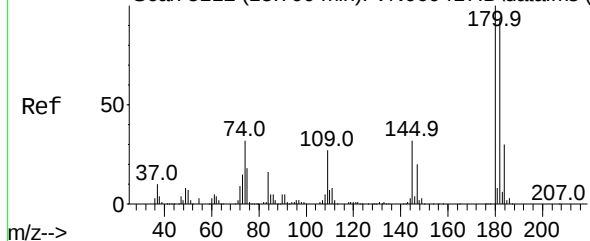
129 10.0 8.7 13.1



Abundance Scan 5041 (15.509 min): VN069516.D\data.ms (-4928) (-)



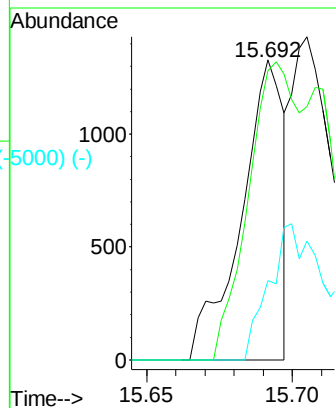
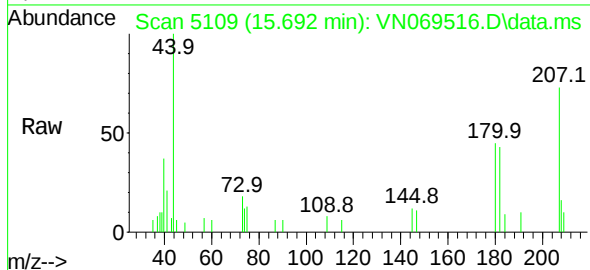
Abundance Scan 5112 (15.700 min): VN069417.D\data.ms (-5000) (-)



1,2,3-Trichlorobenzene
Concen: 3.26 ug/l
RT: 15.692 min Scan# 5112
Delta R.T. -0.008 min
Lab File: VN069516.D
Acq: 16 Nov 2021 18:32

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:180 Resp: 1335
Ion Ratio Lower Upper
180 100
182 115.1 47.4 142.2
145 52.3 15.0 45.1#



Abundance Scan 5109 (15.692 min): VN069516.D\data.ms (-5000) (-)

