

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111721\
 Data File : VN069525.D
 Acq On : 17 Nov 2021 11:56
 Operator : JC/MD
 Sample : VN1117WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 18 07:09:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : Sw846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

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

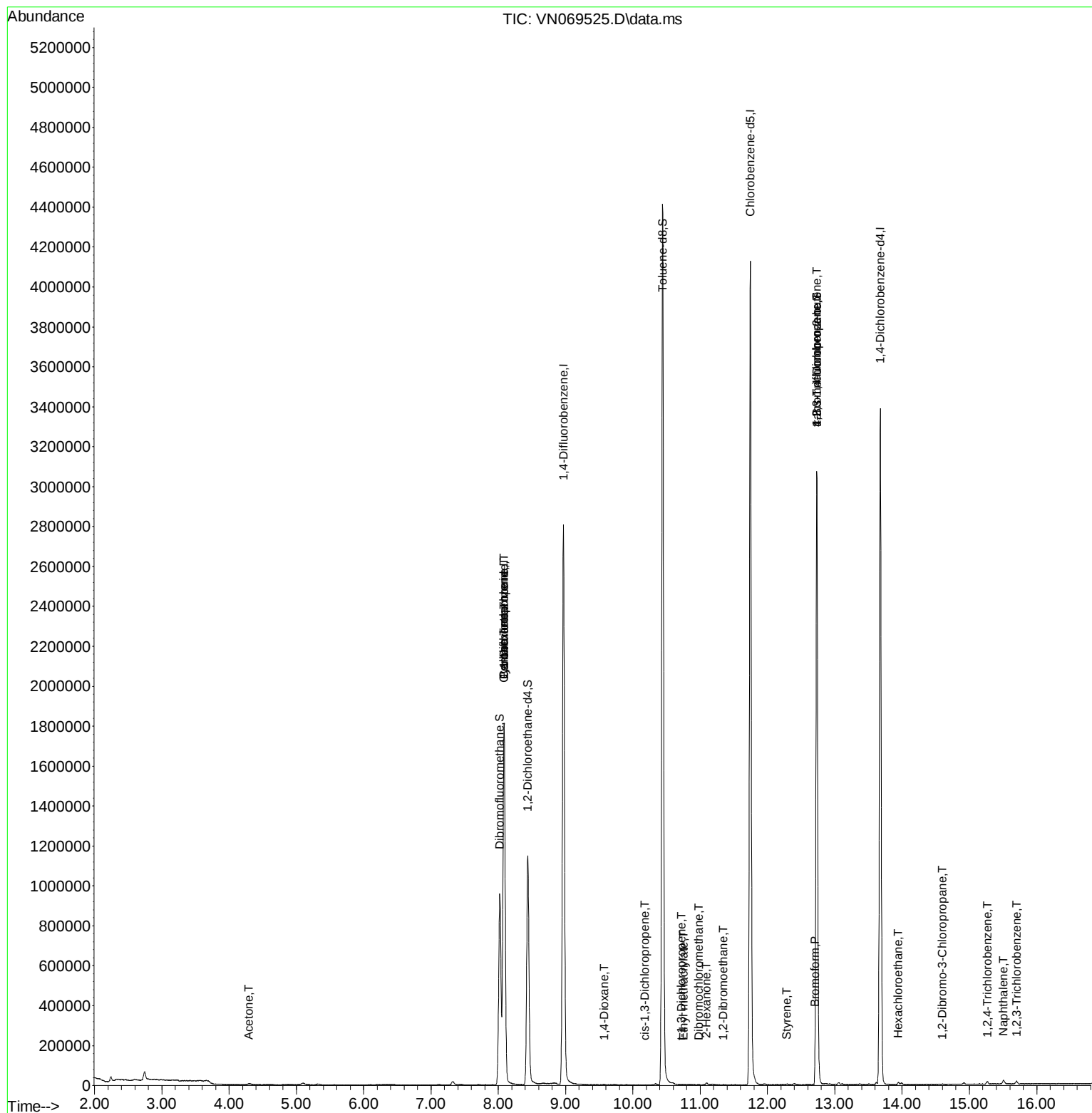
Internal Standards						
1) Pentafluorobenzene	8.086	168	1357417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2380755	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2352654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	895975	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1005088	51.07	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.14%			
35) Dibromofluoromethane	8.024	113	698739	48.94	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.88%			
50) Toluene-d8	10.441	98	3022317	53.82	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.64%			
62) 4-Bromofluorobenzene	12.731	95	1075022	52.11	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 104.22%			
Target Compounds						
					Qvalue	
13) Acrolein	4.055	56	1159	Below Cal	#	56
16) Acetone	4.296	43	7582	0.71	ug/l	94
31) Cyclohexane	8.083	56	36340	1.35	ug/l	# 43
36) 1,1-Dichloropropene	8.086	75	115903	5.79	ug/l	# 49
38) Carbon Tetrachloride	8.086	117	141978	7.34	ug/l	# 16
49) 1,4-Dioxane	9.577	88	55	39.19	ug/l	# 1
53) t-1,3-Dichloropropene	10.722	75	344	2.65	ug/l	# 68
54) cis-1,3-Dichloropropene	10.180	75	58	1.73	ug/l	# 46
56) Ethyl methacrylate	10.757	69	168	2.06	ug/l	# 1
59) 2-Hexanone	11.092	43	7089	8.23	ug/l	92
60) Dibromochloromethane	10.980	129	131	2.42	ug/l	# 11
61) 1,2-Dibromoethane	11.342	107	83	1.08	ug/l	# 2
70) Styrene	12.286	104	516	1.53	ug/l	# 66
71) Bromoform	12.704	173	119	3.44	ug/l	# 29
76) 1,2,3-Trichloropropane	12.731	75	606632	29.34	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.731	75	606632	83.01	ug/l	# 5
90) Hexachloroethane	13.938	117	91	2.17	ug/l	# 6
92) 1,2-Dibromo-3-Chloropr...	14.600	75	392	1.88	ug/l	# 18
93) 1,2,4-Trichlorobenzene	15.265	180	4171	3.39	ug/l	89
95) Naphthalene	15.507	128	17587	4.85	ug/l	97
96) 1,2,3-Trichlorobenzene	15.703	180	4928	3.51	ug/l	93

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

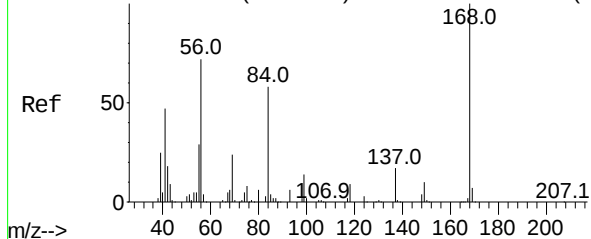
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111721\
Data File : VN069525.D
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Quant Title : SW846 8260
QLast Update : Tue Nov 09 18:18:22 2021
Response via : Initial Calibration



Abundance Scan 2273 (8.086 min): VN069417.D\data.ms (-2241) (-)



Pentafluorobenzene

Concen: 50.00 ug/l

RT: 8.086 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN069525.D

Acq: 17 Nov 2021 11:56

Instrument :

MSVOA_N

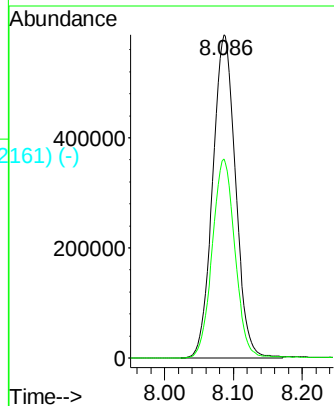
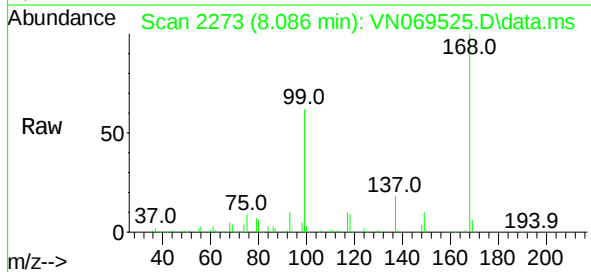
ClientSampleId :

Tgt Ion:168 Resp: 1357417

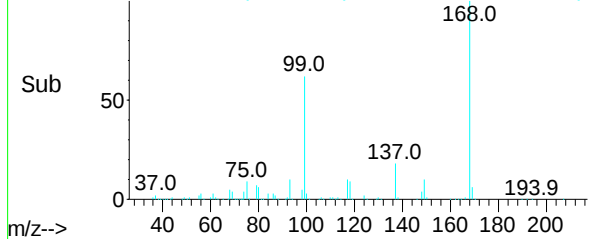
Ion Ratio Lower Upper

168 100

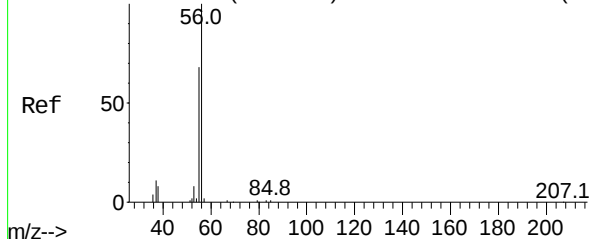
99 61.5 41.3 61.9



Abundance Scan 2273 (8.086 min): VN069525.D\data.ms (-2161) (-)



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



Acrolein

Concen: Below Cal

RT: 4.055 min Scan# 770

Delta R.T. 0.014 min

Lab File: VN069525.D

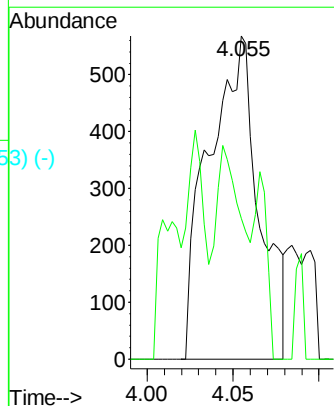
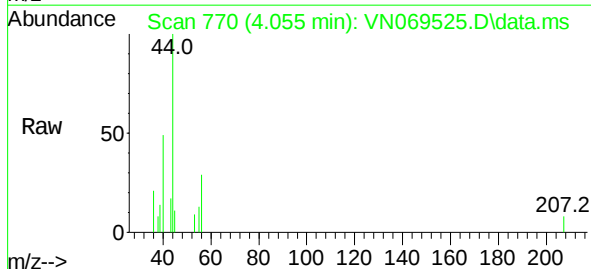
Acq: 17 Nov 2021 11:56

Tgt Ion: 56 Resp: 1159

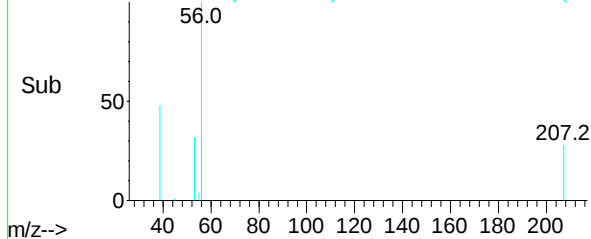
Ion Ratio Lower Upper

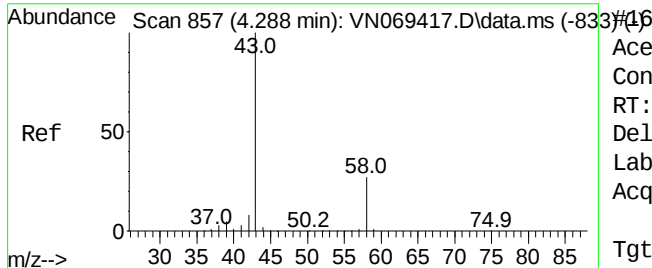
56 100

55 34.6 56.6 85.0#



Abundance Scan 770 (4.055 min): VN069525.D\data.ms (-653) (-)





Acetone

Concen: 0.71 ug/l

RT: 4.296 min Scan# 816

Delta R.T. 0.008 min

Lab File: VN069525.D

Acq: 17 Nov 2021 11:56

Instrument :

MSVOA_N

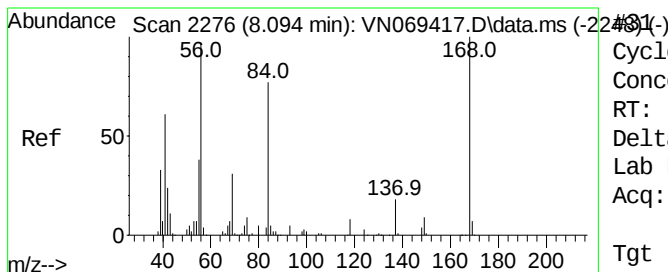
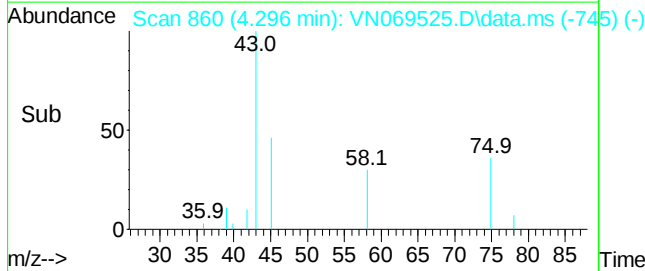
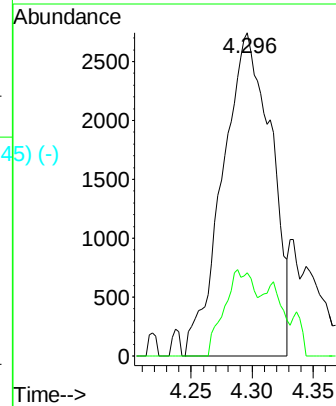
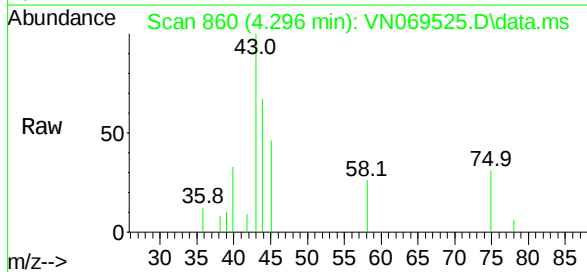
ClientSampleId :

Tgt Ion: 43 Resp: 7582

Ion Ratio Lower Upper

43 100

58 25.8 23.1 34.7



Cyclohexane

Concen: 1.35 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.011 min

Lab File: VN069525.D

Acq: 17 Nov 2021 11:56

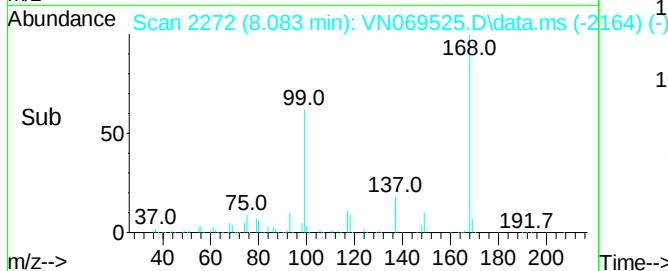
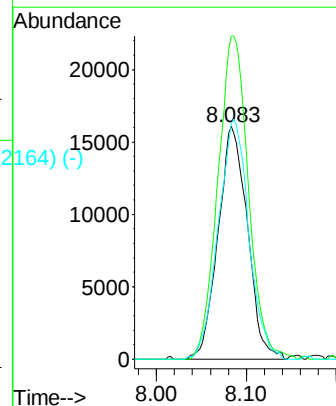
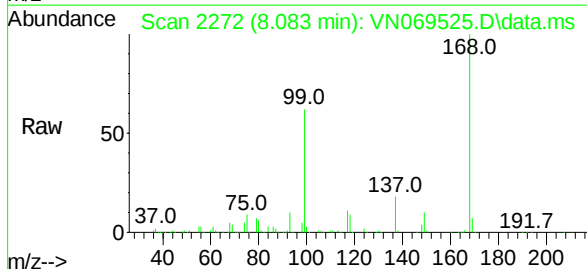
Tgt Ion: 56 Resp: 36340

Ion Ratio Lower Upper

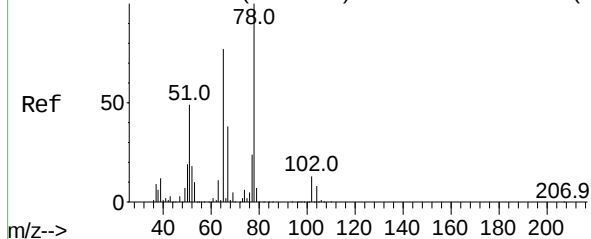
56 100

69 138.9 27.1 40.7#

84 101.3 73.4 110.0



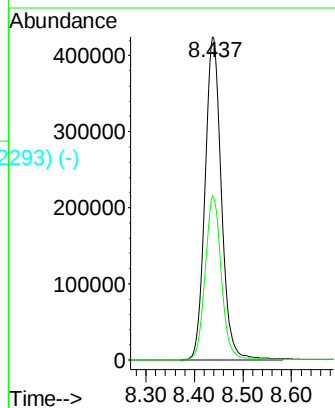
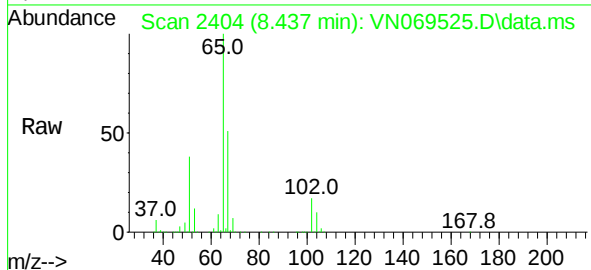
Abundance Scan 2405 (8.440 min): VN069417.D\data.ms (-2369) (-)



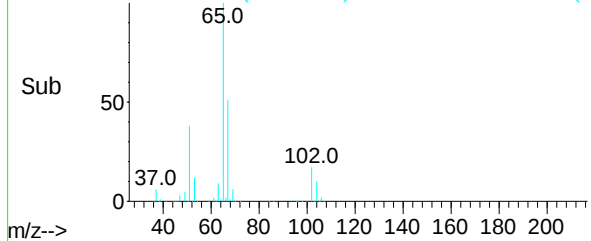
1,2-Dichloroethane-d4
Concen: 51.07 ug/l
RT: 8.437 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VN069525.D
Acq: 17 Nov 2021 11:56

Instrument :
MSVOA_N
ClientSampleId :

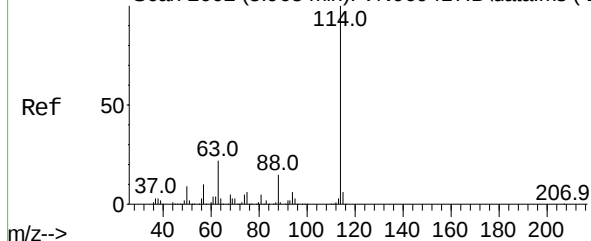
Tgt Ion: 65 Resp: 1005088
Ion Ratio Lower Upper
65 100
67 50.3 0.0 103.0



Abundance Scan 2404 (8.437 min): VN069525.D\data.ms (-2293) (-)

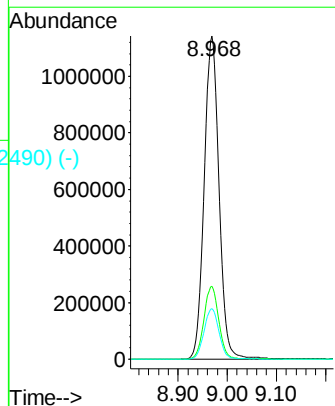
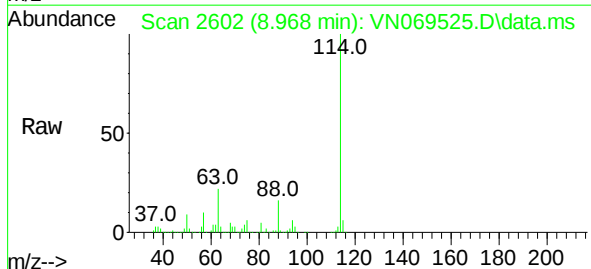


Abundance Scan 2602 (8.968 min): VN069417.D\data.ms (-2579) (-)

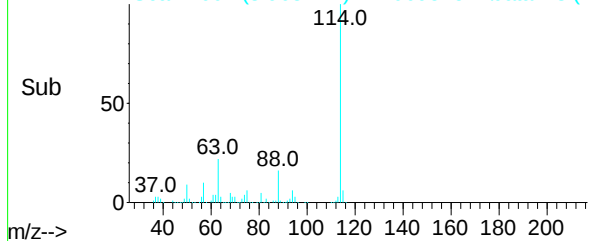


1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069525.D
Acq: 17 Nov 2021 11:56

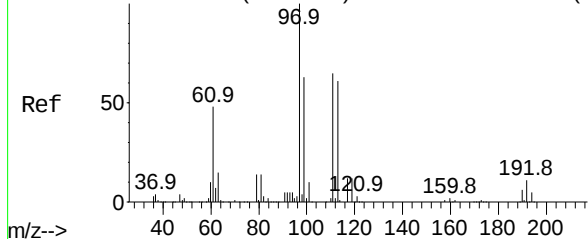
Tgt Ion:114 Resp: 2380755
Ion Ratio Lower Upper
114 100
63 22.5 0.0 37.8
88 15.7 0.0 27.4



Abundance Scan 2602 (8.968 min): VN069525.D\data.ms (-2490) (-)



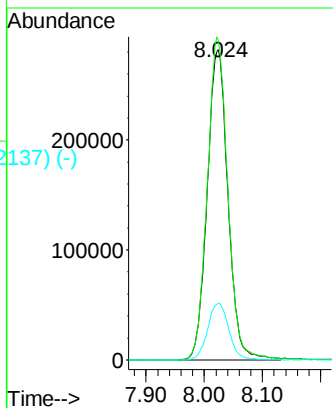
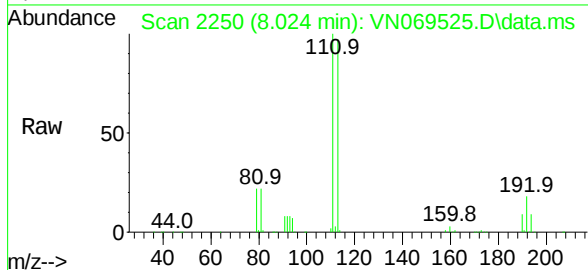
Abundance Scan 2249 (8.021 min): VN069417.D\data.ms (-2229) (-)



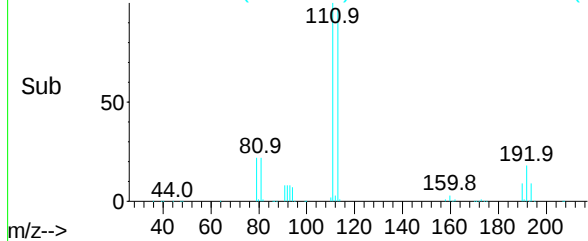
Dibromofluoromethane
Concen: 48.94 ug/l
RT: 8.024 min Scan# 2249
Delta R.T. 0.003 min
Lab File: VN069525.D
Acq: 17 Nov 2021 11:56

Instrument :
MSVOA_N
ClientSampleId :

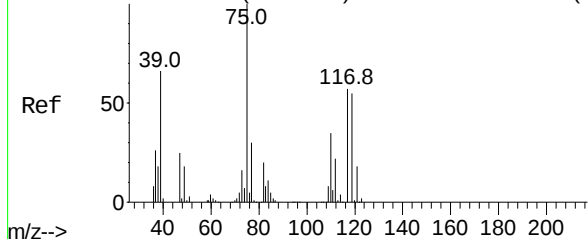
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.2	123.2
192	18.5	16.9	25.3



Abundance Scan 2250 (8.024 min): VN069525.D\data.ms (-2137) (-)

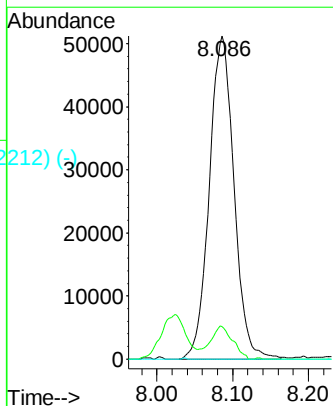
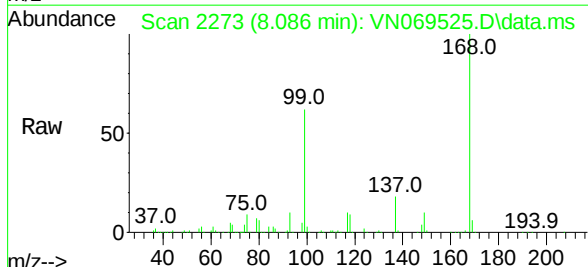


Abundance Scan 2324 (8.223 min): VN069417.D\data.ms (-2293) (-)

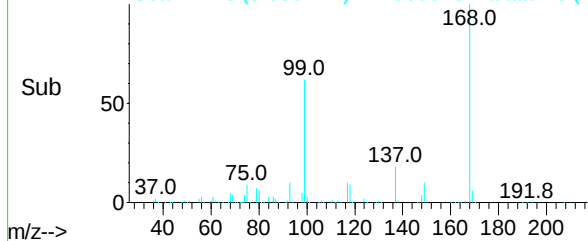


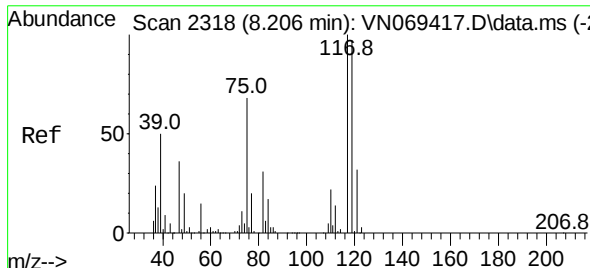
1,1-Dichloropropene
Concen: 5.79 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069525.D
Acq: 17 Nov 2021 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.4	55.2#
77	0.0	24.4	36.6#



Abundance Scan 2273 (8.086 min): VN069525.D\data.ms (-2212) (-)

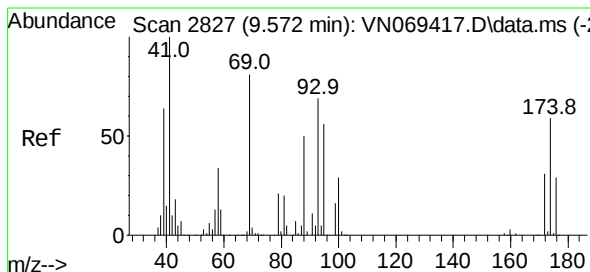
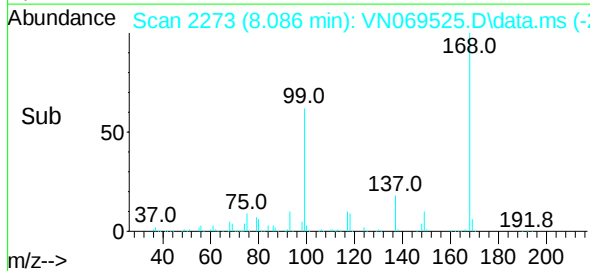
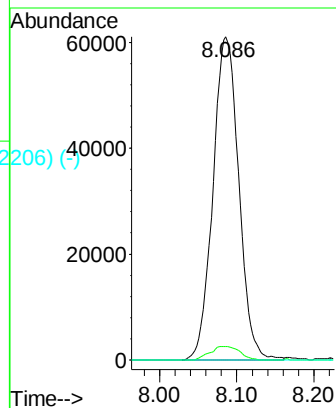
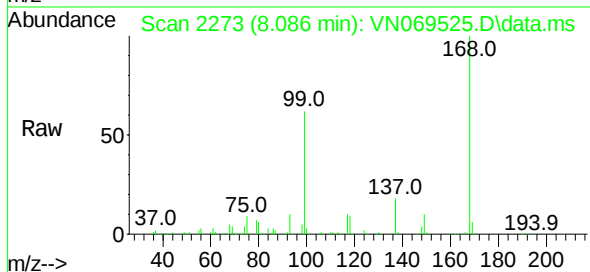




Carbon Tetrachloride
Concen: 7.34 ug/l
RT: 8.086 min Scan# 1
Delta R.T. -0.120 min
Lab File: VN069525.D
Acq: 17 Nov 2021 11:56

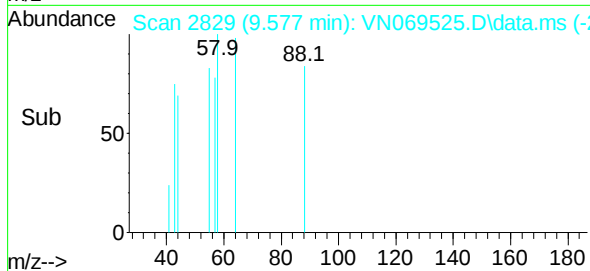
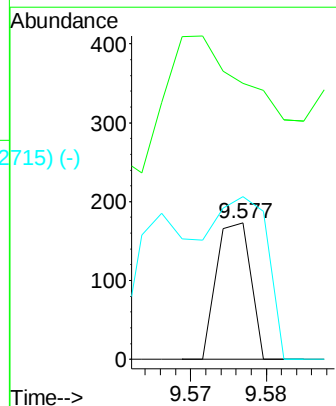
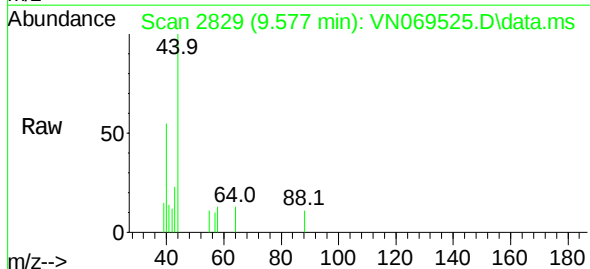
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 141978
Ion Ratio Lower Upper
117 100
119 4.2 76.1 114.1#
121 0.0 24.2 36.2#



1,4-Dioxane
Concen: 39.19 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.005 min
Lab File: VN069525.D
Acq: 17 Nov 2021 11:56

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 269.1 23.4 35.2#
58 170.9 50.6 75.8#



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

Toluene-d8

Concen: 53.82 ug/l

RT: 10.441 min Scan#

Delta R.T. -0.000 min

Lab File: VN069525.D

Acq: 17 Nov 2021 11:56

Instrument :

MSVOA_N

ClientSampleId :

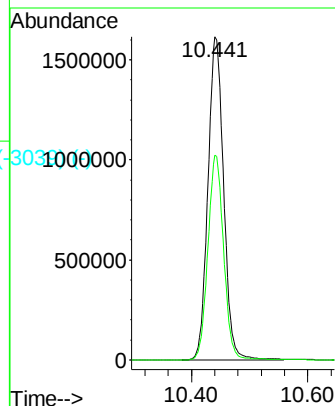
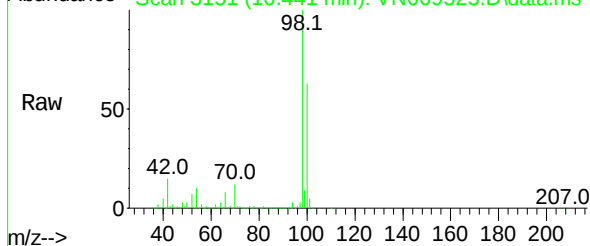
Tgt Ion: 98 Resp: 3022317

Ion Ratio Lower Upper

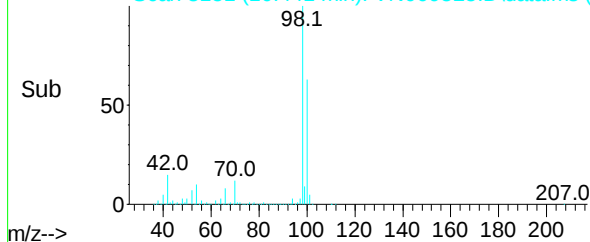
98 100

100 63.4 50.4 75.6

Abundance Scan 3151 (10.441 min): VN069525.D\data.ms



Abundance Scan 3151 (10.441 min): VN069525.D\data.ms (-30310)



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

t-1,3-Dichloropropene

Concen: 2.65 ug/l

RT: 10.722 min Scan# 3256

Delta R.T. 0.003 min

Lab File: VN069525.D

Acq: 17 Nov 2021 11:56

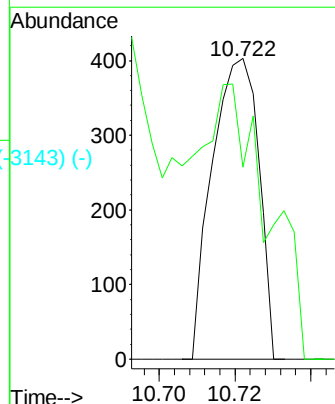
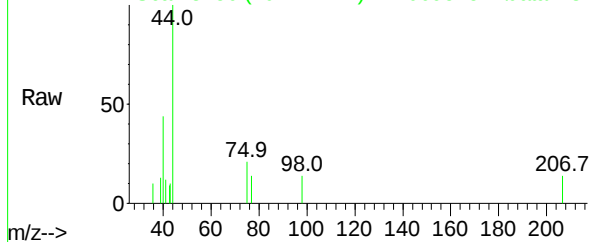
Tgt Ion: 75 Resp: 344

Ion Ratio Lower Upper

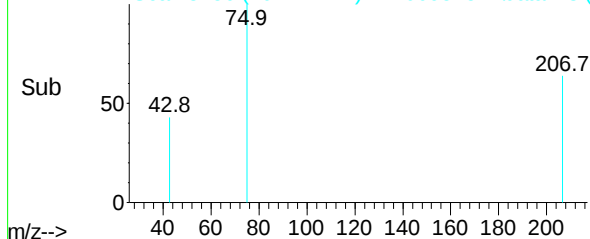
75 100

77 14.4 25.6 38.4#

Abundance Scan 3256 (10.722 min): VN069525.D\data.ms



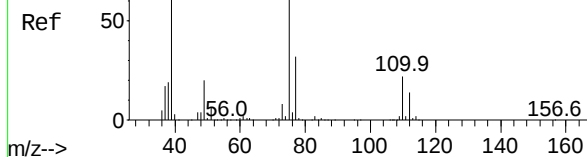
Abundance Scan 3256 (10.722 min): VN069525.D\data.ms (-3143) (-)



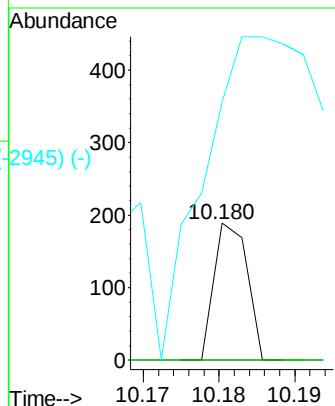
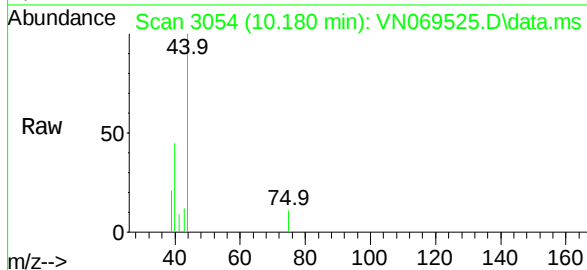
Abundance Scan 3057 (10.188 min): VN069417.D\data.ms (-3057) (-)

cis-1,3-Dichloropropene
Concen: 1.73 ug/l
RT: 10.180 min Scan# 3057
Delta R.T. -0.008 min
Lab File: VN069525.D
Acq: 17 Nov 2021 11:56

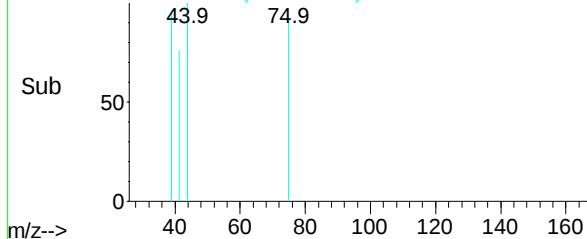
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	75	Resp:	58
Ion	Ratio	Lower	Upper
75	100		
77	0.0	26.4	39.6#
39	89.4	42.5	63.7#



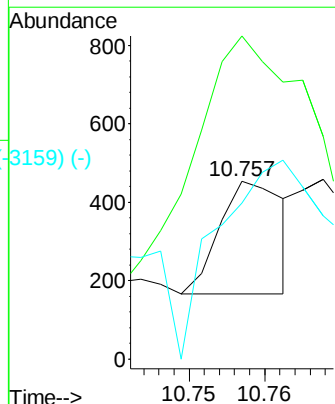
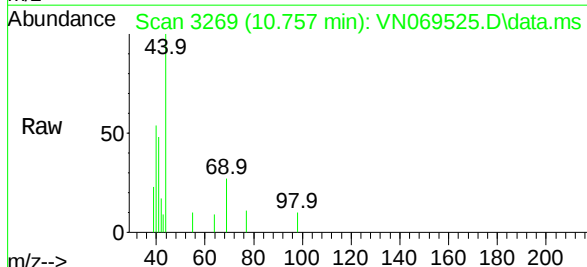
Abundance Scan 3054 (10.180 min): VN069525.D\data.ms (-2945) (-)



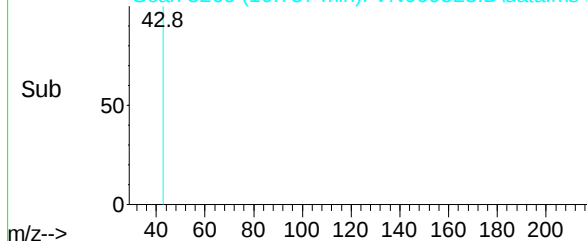
Abundance Scan 3271 (10.762 min): VN069417.D\data.ms (-3256) (-)

Ethyl methacrylate
Concen: 2.06 ug/l
RT: 10.757 min Scan# 3269
Delta R.T. -0.005 min
Lab File: VN069525.D
Acq: 17 Nov 2021 11:56

Tgt Ion:	69	Resp:	168
Ion	Ratio	Lower	Upper
69	100		
41	758.3	51.4	77.0#
39	329.8	34.6	52.0#



Abundance Scan 3269 (10.757 min): VN069525.D\data.ms (-3159) (-)



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

2-Hexanone

Concen: 8.23 ug/l

RT: 11.092 min Scan#

Delta R.T. 0.005 min

Lab File: VN069525.D

Acq: 17 Nov 2021 11:56

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 7089

Ion Ratio Lower Upper

43 100

58 48.3 26.9 80.7

Abundance Scan 3394 (11.092 min): VN069525.D\data.ms

Ref 50

43.0

71.0 100.0 207.0

m/z-->

Abundance Scan 3394 (11.092 min): VN069525.D\data.ms (-3280) (-)

Ref 50

43.0

71.0 100.0 207.0

m/z-->

Abundance Scan 3394 (11.092 min): VN069525.D\data.ms (-3280) (-)

Ref 50

43.0

71.0 100.0 207.0

m/z-->

Abundance Scan 3394 (11.092 min): VN069525.D\data.ms (-3280) (-)

Ref 50

43.0

71.0 100.0 207.0

m/z-->

Abundance

11.092

3000

2000

1000

0

Time-->

11.05 11.10

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

Dibromochloromethane

Concen: 2.42 ug/l

RT: 10.980 min Scan# 3352

Delta R.T. -0.260 min

Lab File: VN069525.D

Acq: 17 Nov 2021 11:56

Tgt Ion:129 Resp: 131

Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#

Abundance Scan 3352 (10.980 min): VN069525.D\data.ms

Ref 50

44.0

93.8 130.8 165.9

m/z-->

Abundance Scan 3352 (10.980 min): VN069525.D\data.ms (-3337) (-)

Ref 50

44.0

93.8 130.8 165.9

m/z-->

Abundance Scan 3352 (10.980 min): VN069525.D\data.ms (-3337) (-)

Ref 50

44.0

93.8 130.8 165.9

m/z-->

Abundance

10.980

200

150

100

50

0

Time-->

10.98

Abundance Scan 3489 (11.347 min): VN069417.D\data.ms (-3469) (-)

1,2-Dibromoethane

Concen: 1.08 ug/l

RT: 11.342 min Scan#

Delta R.T. -0.005 min

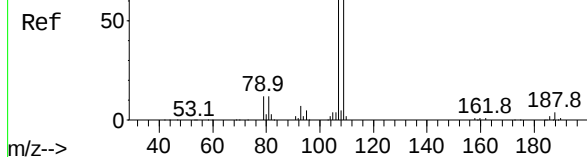
Lab File: VN069525.D

Acq: 17 Nov 2021 11:56

Instrument :

MSVOA_N

ClientSampleId :

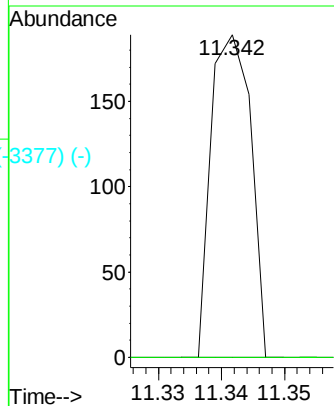
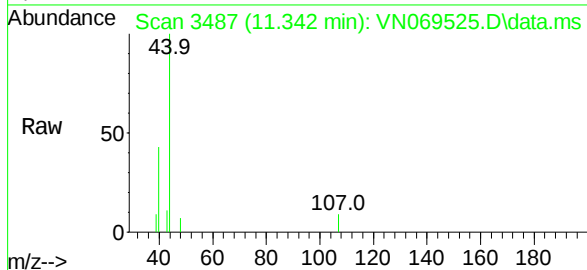


Tgt Ion:107 Resp: 83

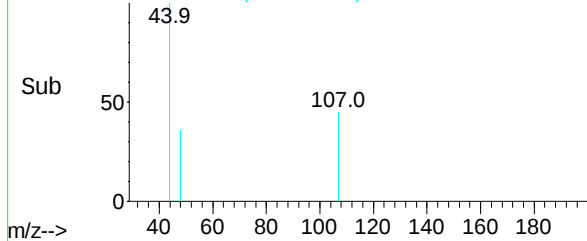
Ion Ratio Lower Upper

107 100

109 0.0 75.7 113.5#



Abundance Scan 3487 (11.342 min): VN069525.D\data.ms (-3377) (-)



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

4-Bromofluorobenzene

Concen: 52.11 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.003 min

Lab File: VN069525.D

Acq: 17 Nov 2021 11:56

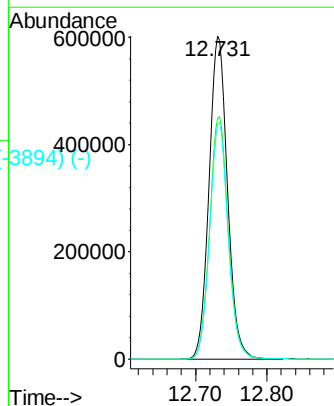
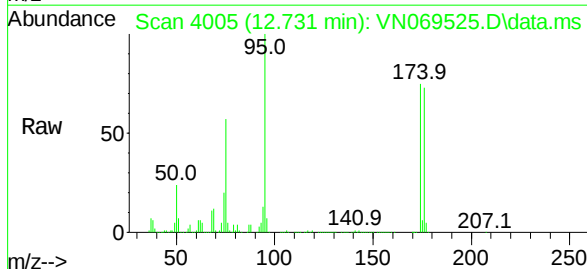
Tgt Ion: 95 Resp: 1075022

Ion Ratio Lower Upper

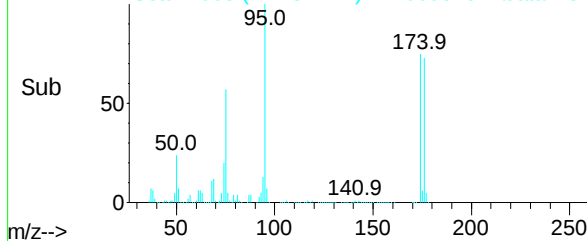
95 100

174 76.1 0.0 187.2

176 73.3 0.0 181.4



Abundance Scan 4005 (12.731 min): VN069525.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# 3638

Delta R.T. -0.003 min

Lab File: VN069525.D

Acq: 17 Nov 2021 11:56

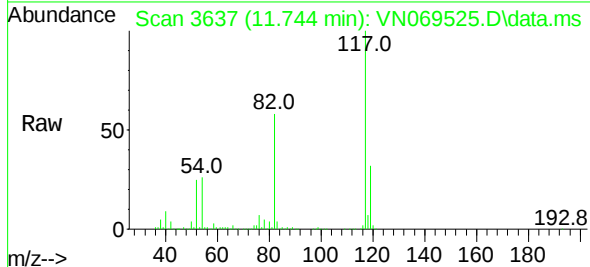
Instrument :

MSVOA_N

ClientSampleId :

Ref 50

m/z-->



Tgt Ion:117 Resp: 2352654

Ion Ratio Lower Upper

117 100

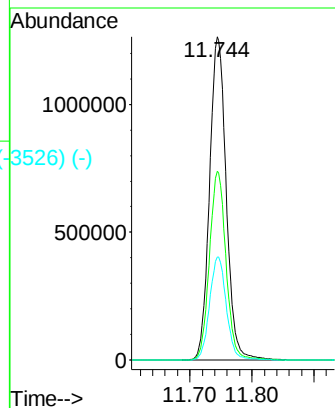
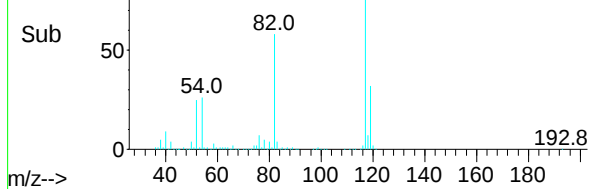
82 58.4 42.4 63.6

119 31.9 25.4 38.2

Abundance Scan 3637 (11.744 min): VN069525.D\data.ms (-3526) (-)

Sub 50

m/z-->



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

Styrene

Concen: 1.53 ug/l

RT: 12.286 min Scan# 3839

Delta R.T. -0.008 min

Lab File: VN069525.D

Acq: 17 Nov 2021 11:56

Tgt Ion:104 Resp: 516

Ion Ratio Lower Upper

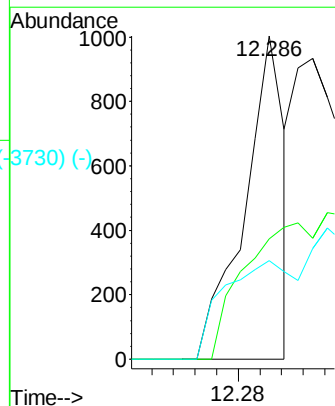
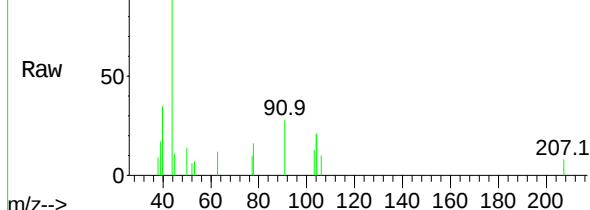
104 100

78 0.0 38.7 58.1#

103 54.8 45.0 67.6

Ref 50

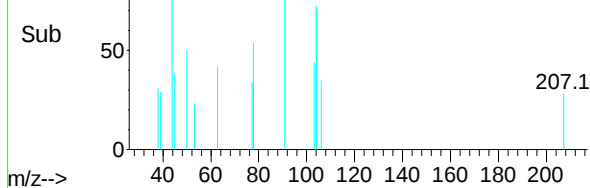
m/z-->

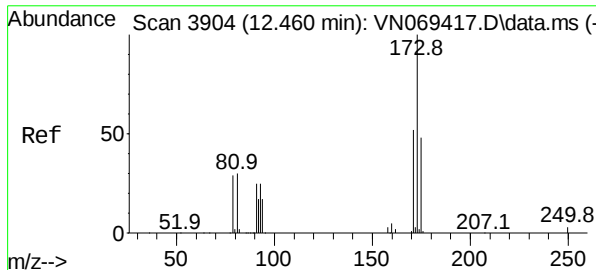


Abundance Scan 3839 (12.286 min): VN069525.D\data.ms (-3730) (-)

Sub 50

m/z-->

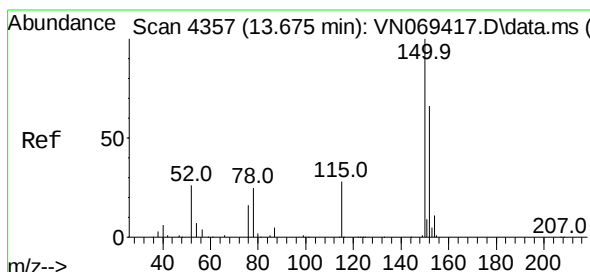
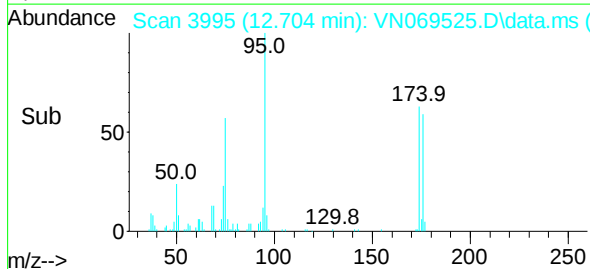
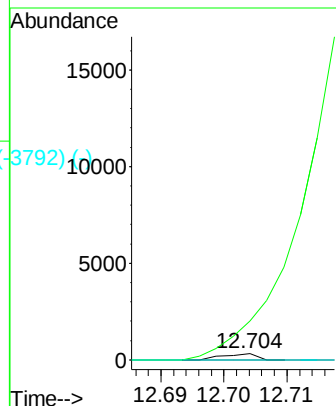
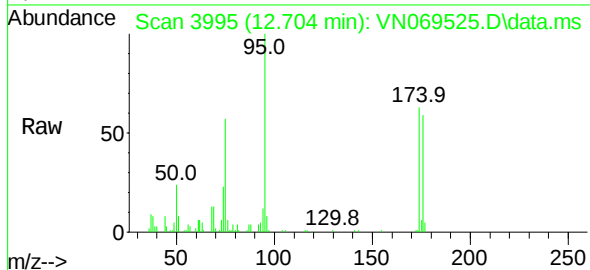




Bromoform
Concen: 3.44 ug/l
RT: 12.704 min Scan# 3995
Delta R.T. 0.244 min
Lab File: VN069525.D
Acq: 17 Nov 2021 11:56

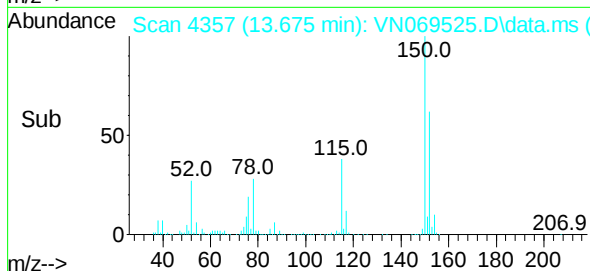
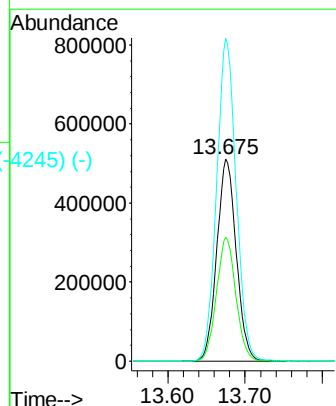
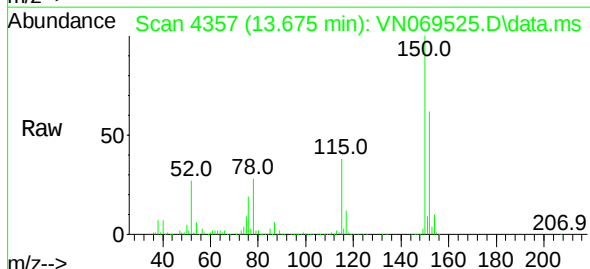
Instrument :
MSVOA_N
ClientSampleId :

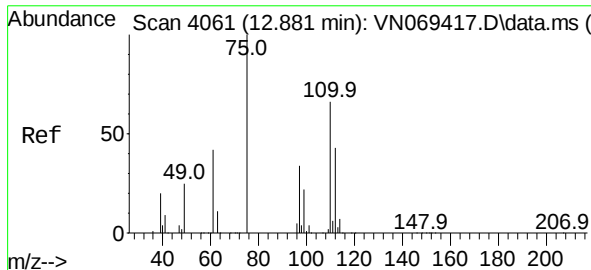
Tgt Ion:173 Resp: 119
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.000 min
Lab File: VN069525.D
Acq: 17 Nov 2021 11:56

Tgt Ion:152 Resp: 895975
Ion Ratio Lower Upper
152 100
115 61.3 27.5 82.5
150 159.6 0.0 344.4

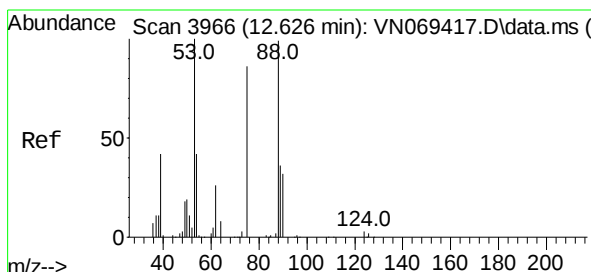
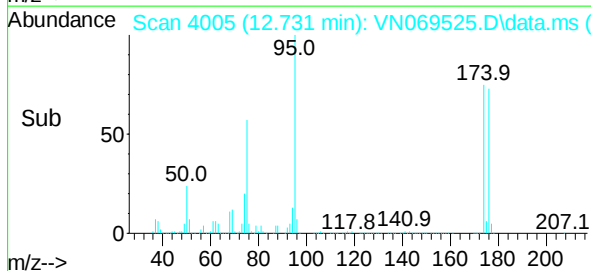
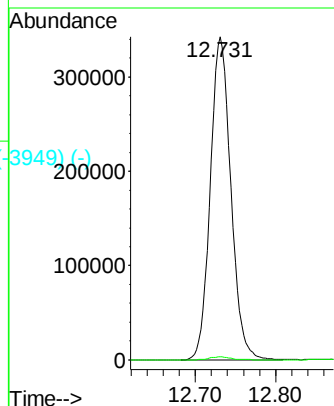
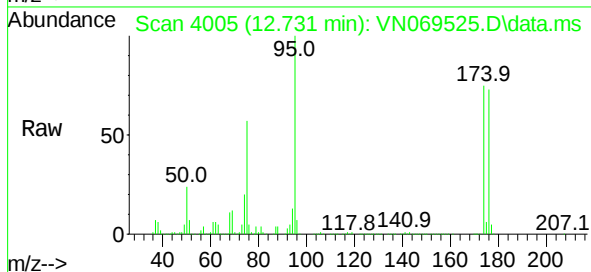




1,2,3-Trichloropropane
Concen: 29.34 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069525.D
Acq: 17 Nov 2021 11:56

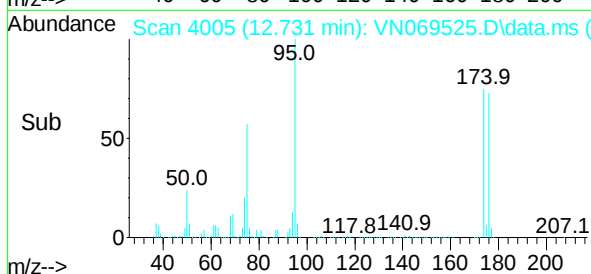
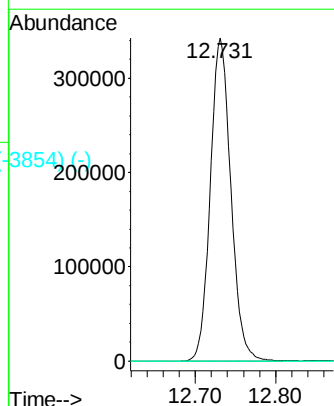
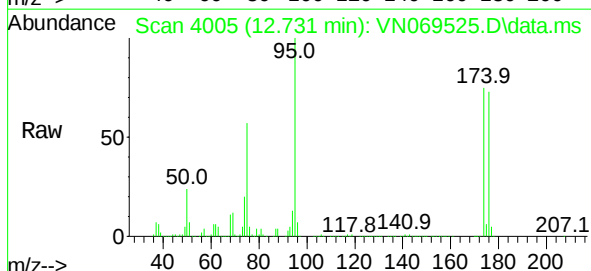
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 606632
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



trans-1,4-Dichloro-2-butene
Concen: 83.01 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069525.D
Acq: 17 Nov 2021 11:56

Tgt Ion: 75 Resp: 606632
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 (-4599) (-)

Hexachloroethane

Concen: 2.17 ug/l

RT: 13.938 min Scan# 4599

Delta R.T. -0.273 min

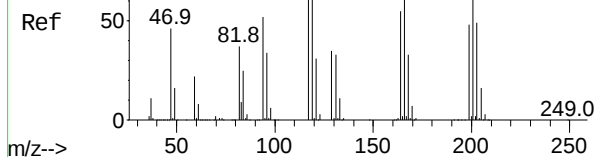
Lab File: VN069525.D

Acq: 17 Nov 2021 11:56

Instrument :

MSVOA_N

ClientSampleId :

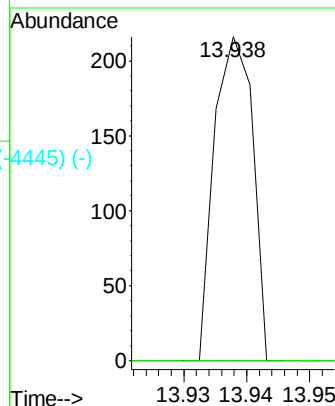
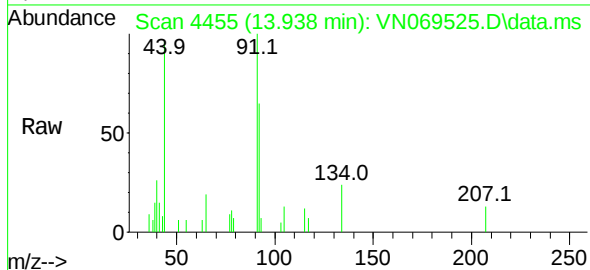


Tgt Ion:117 Resp: 91

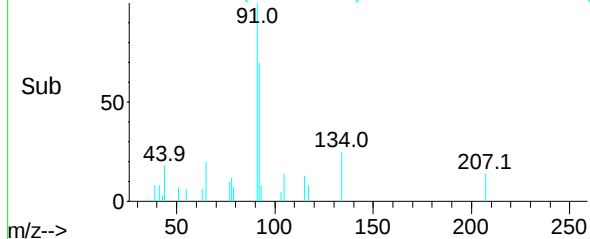
Ion Ratio Lower Upper

117 100

201 0.0 43.9 131.6#



Abundance Scan 4455 (13.938 min): VN069525.D\data.ms (-4445) (-)



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

1,2-Dibromo-3-Chloropropane

Concen: 1.88 ug/l

RT: 14.600 min Scan# 4702

Delta R.T. -0.006 min

Lab File: VN069525.D

Acq: 17 Nov 2021 11:56

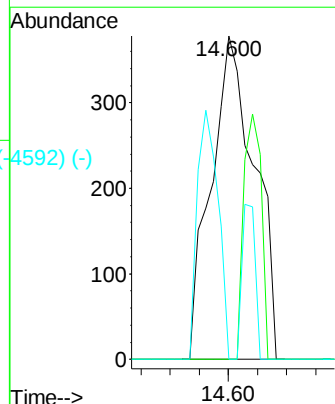
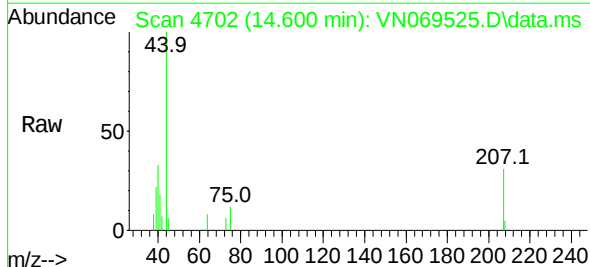
Tgt Ion: 75 Resp: 392

Ion Ratio Lower Upper

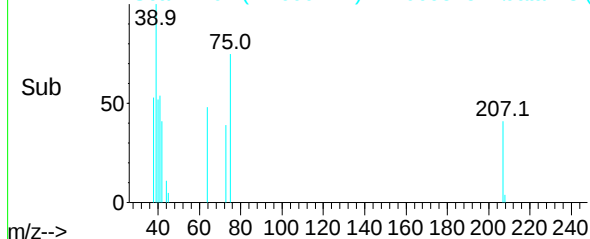
75 100

155 31.1 46.9 140.7#

157 14.8 60.6 181.7#



Abundance Scan 4702 (14.600 min): VN069525.D\data.ms (-4592) (-)



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

1,2,4-Trichlorobenzene

Concen: 3.39 ug/l

RT: 15.265 min Scan# 4928

Delta R.T. 0.000 min

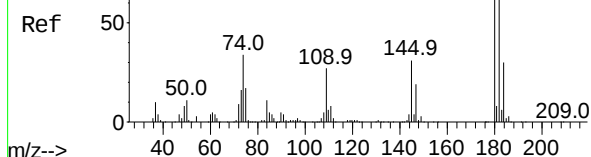
Lab File: VN069525.D

Acq: 17 Nov 2021 11:56

Instrument :

MSVOA_N

ClientSampleId :



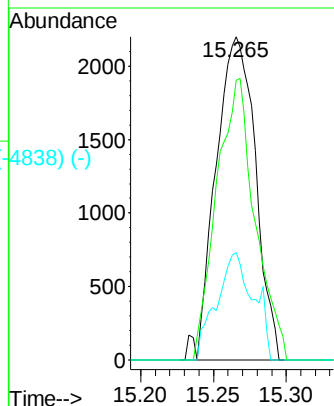
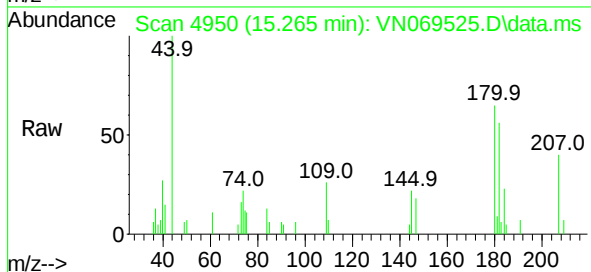
Tgt Ion:180 Resp: 4171

Ion Ratio Lower Upper

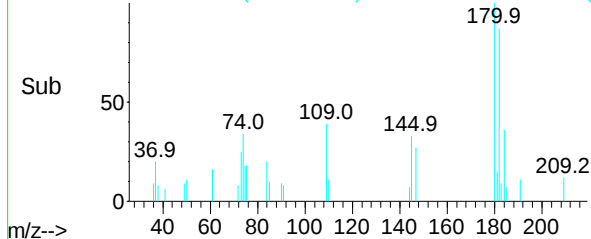
180 100

182 84.1 48.3 144.9

145 31.0 14.5 43.5



Abundance Scan 4950 (15.265 min): VN069525.D\data.ms (-4838) (-)



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

Naphthalene

Concen: 4.85 ug/l

RT: 15.507 min Scan# 5040

Delta R.T. -0.000 min

Lab File: VN069525.D

Acq: 17 Nov 2021 11:56

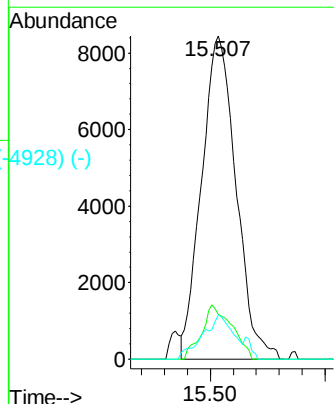
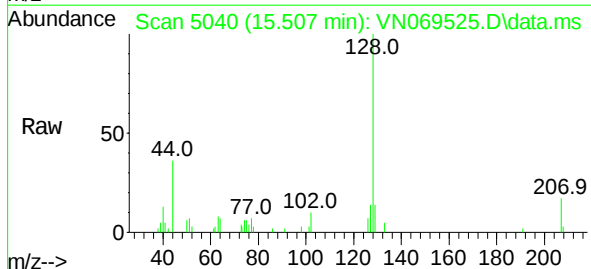
Tgt Ion:128 Resp: 17587

Ion Ratio Lower Upper

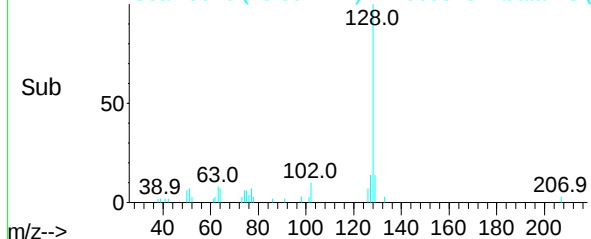
128 100

127 14.6 10.5 15.7

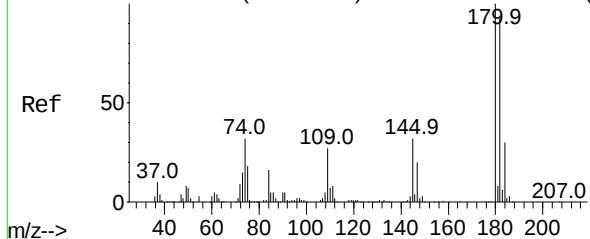
129 12.0 8.7 13.1



Abundance Scan 5040 (15.507 min): VN069525.D\data.ms (-4928) (-)



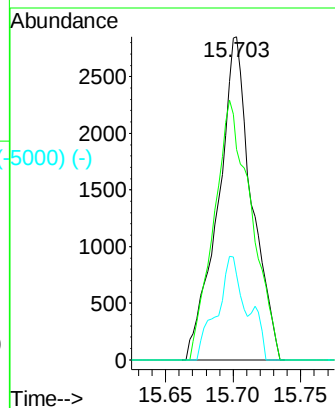
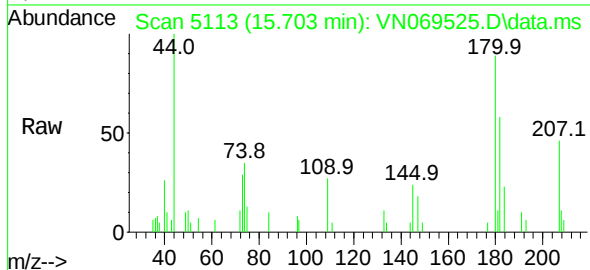
Abundance Scan 5112 (15.700 min): VN069417.D\data.ms (-5000) (-)



1,2,3-Trichlorobenzene
Concen: 3.51 ug/l
RT: 15.703 min Scan# 4928
Delta R.T. 0.003 min
Lab File: VN069525.D
Acq: 17 Nov 2021 11:56

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	180	Resp:	4928
Ion Ratio	Lower	Upper	
180	100		
182	89.5	47.4	142.2
145	23.5	15.0	45.1



Abundance Scan 5113 (15.703 min): VN069525.D\data.ms (-5000) (-)

