

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102721\
 Data File : VN069189.D
 Acq On : 26 Oct 2021 16:45
 Operator : JC/MD
 Sample : M4337-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 27 06:56:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	339084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	588039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	574103	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	210526	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	220109	49.234	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.460%
35) Dibromofluoromethane	8.024	113	172697	50.478	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.960%
50) Toluene-d8	10.443	98	730714	53.380	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.760%
62) 4-Bromofluorobenzene	12.733	95	264030	51.122	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.240%

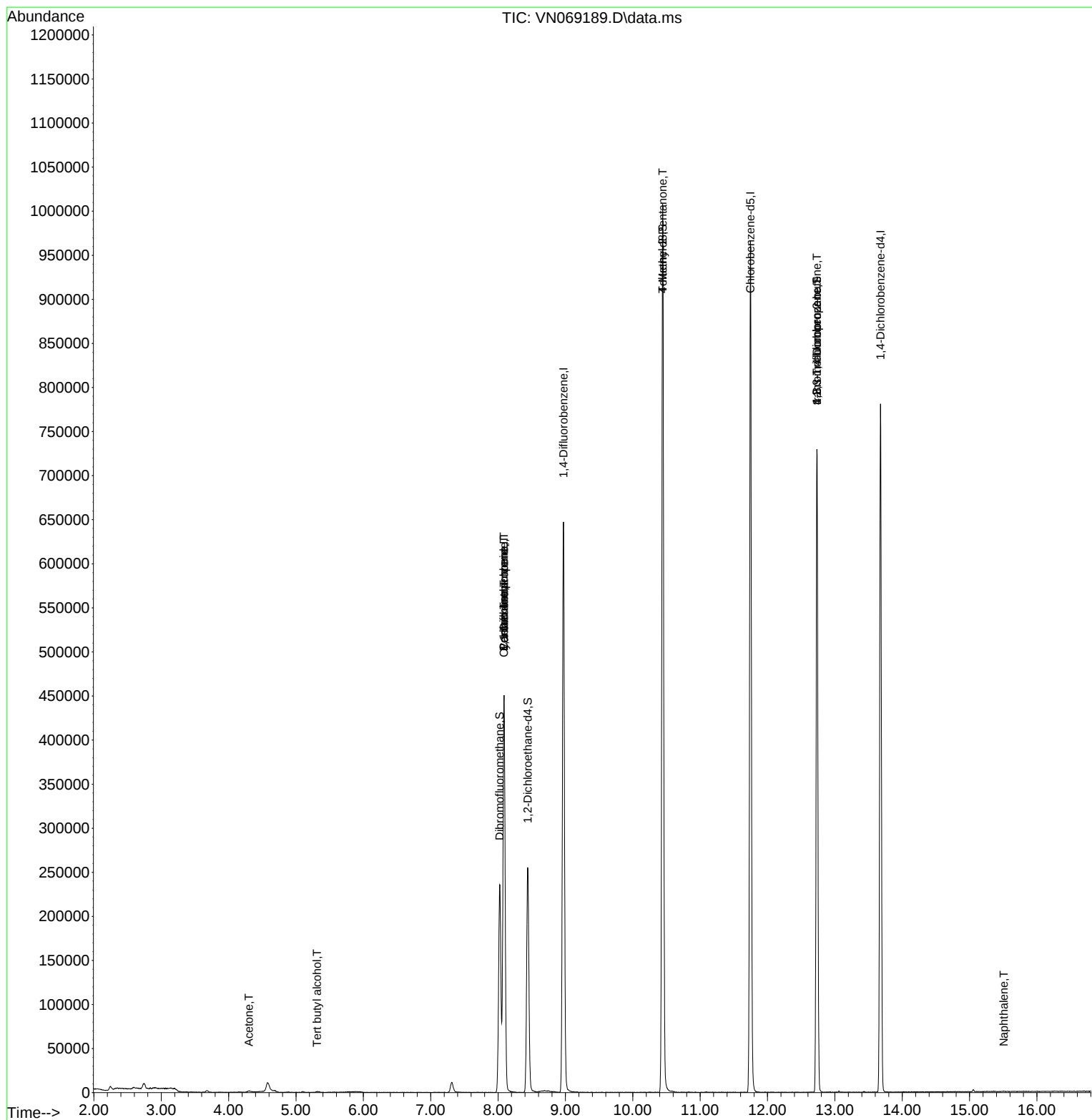
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.312	59	336	0.411	ug/l #	72
16) Acetone	4.299	43	1575	0.944	ug/l	93
31) Cyclohexane	8.086	56	7915	1.139	ug/l #	11
36) 1,1-Dichloropropene	8.088	75	27502	5.475	ug/l #	49
38) Carbon Tetrachloride	8.088	117	34646	6.281	ug/l #	16
51) 4-Methyl-2-Pentanone	10.443	43	3076	0.580	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	140289	31.319	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	140289	74.928	ug/l #	12
95) Naphthalene	15.507	128	591	3.868	ug/l #	69

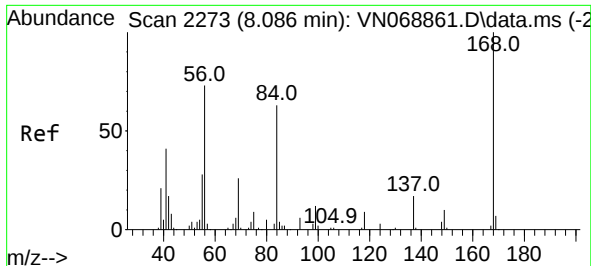
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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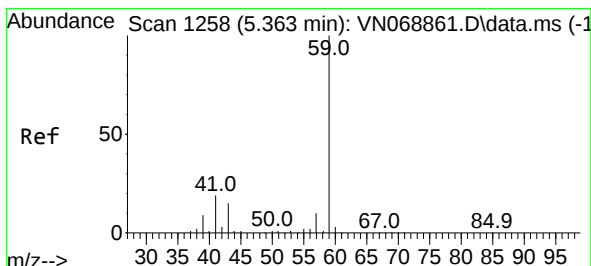
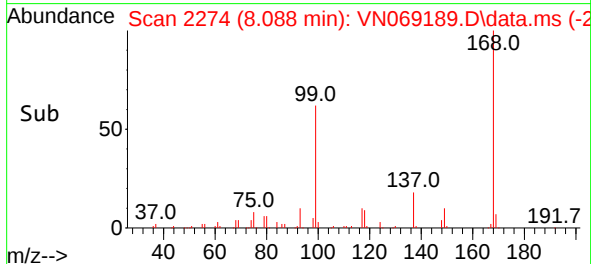
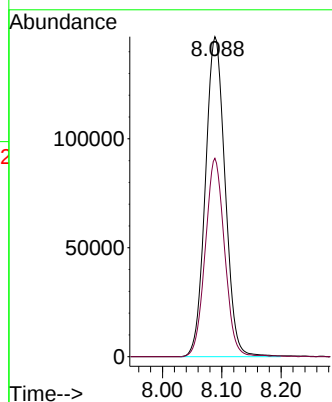
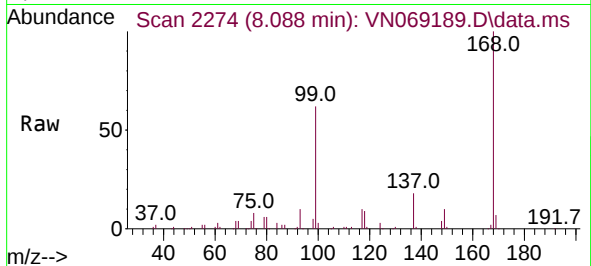




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069189.D
Acq: 26 Oct 2021 16:45

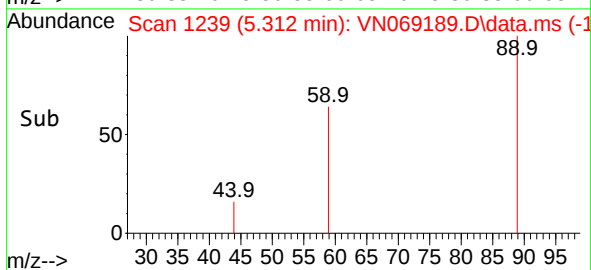
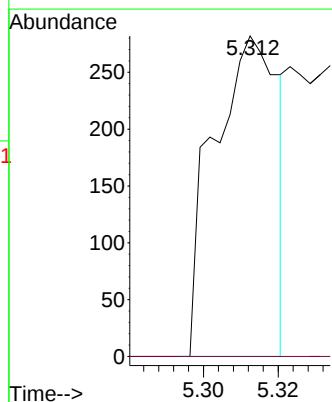
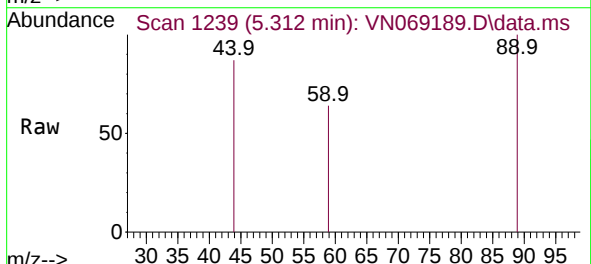
Instrument :
MSVOA_N
ClientSampled :

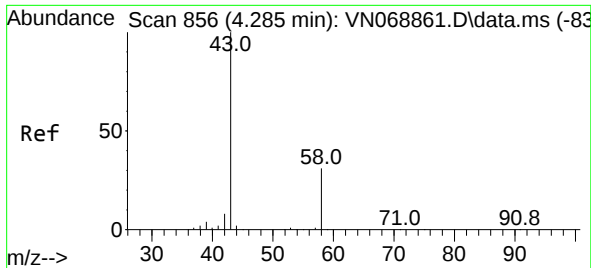
Tgt Ion:168 Resp: 339084
Ion Ratio Lower Upper
168 100
99 62.0 48.9 73.3



#11
Tert butyl alcohol
Concen: 0.411 ug/l
RT: 5.312 min Scan# 1239
Delta R.T. -0.051 min
Lab File: VN069189.D
Acq: 26 Oct 2021 16:45

Tgt Ion: 59 Resp: 336
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

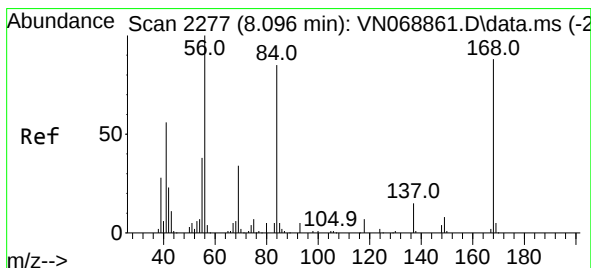
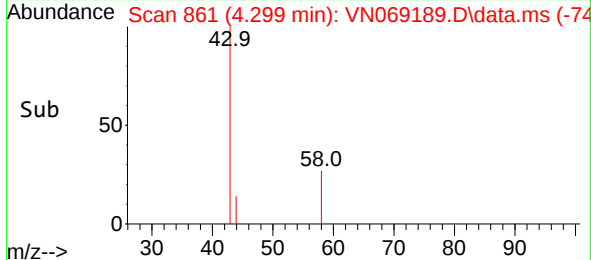
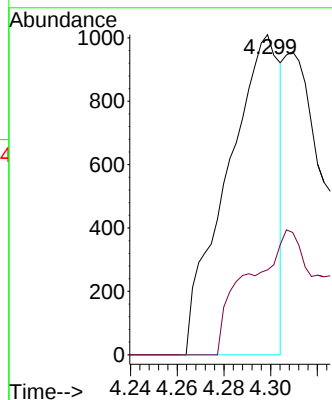
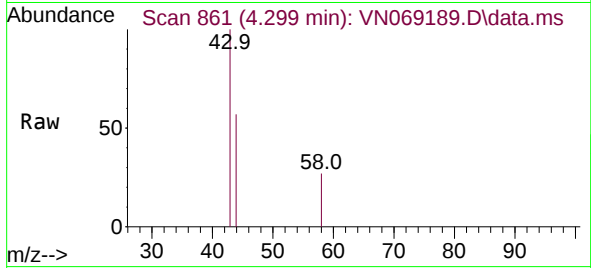




#16
Acetone
Concen: 0.944 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.013 min
Lab File: VN069189.D
Acq: 26 Oct 2021 16:45

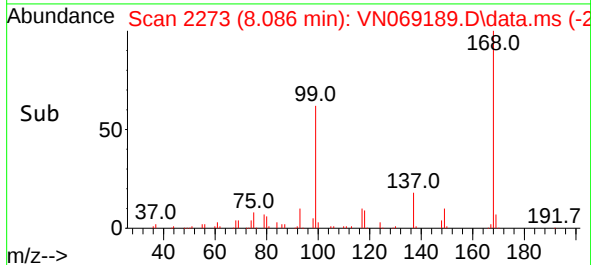
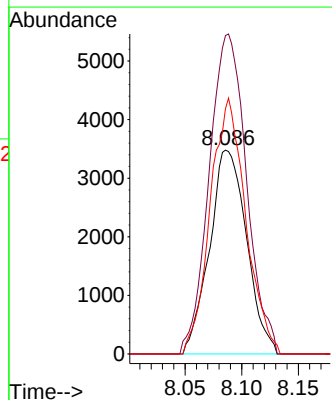
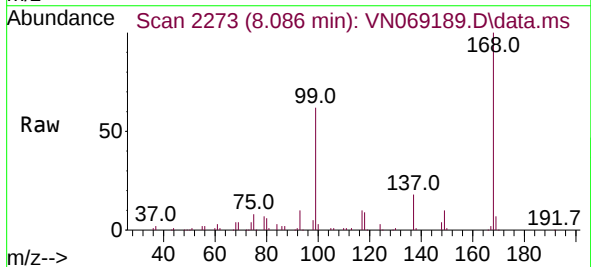
Instrument :
MSVOA_N
ClientSampled :

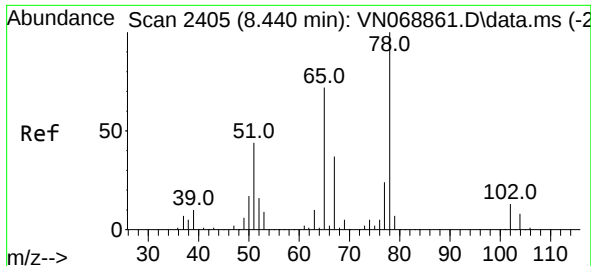
Tgt Ion: 43 Resp: 1575
Ion Ratio Lower Upper
43 100
58 26.5 24.5 36.7



#31
Cyclohexane
Concen: 1.139 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN069189.D
Acq: 26 Oct 2021 16:45

Tgt Ion: 56 Resp: 7915
Ion Ratio Lower Upper
56 100
69 156.3 26.9 40.3#
84 120.4 67.6 101.4#



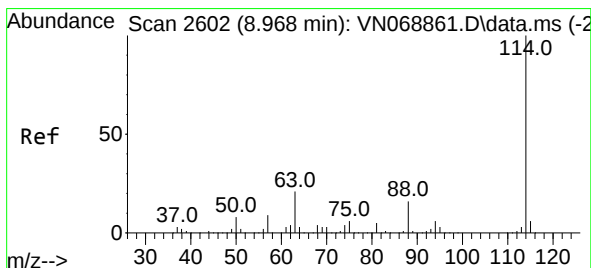
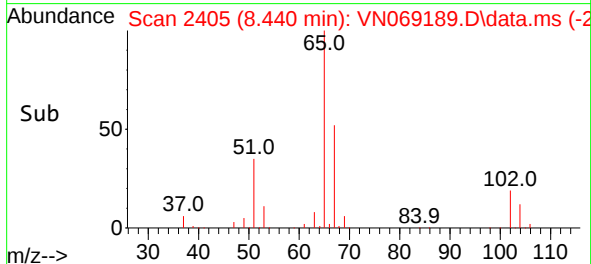
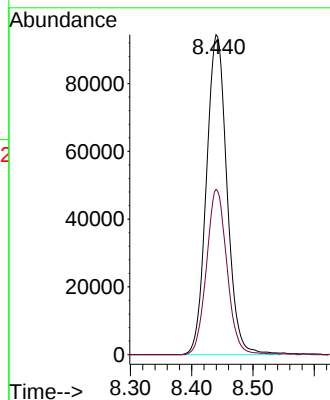
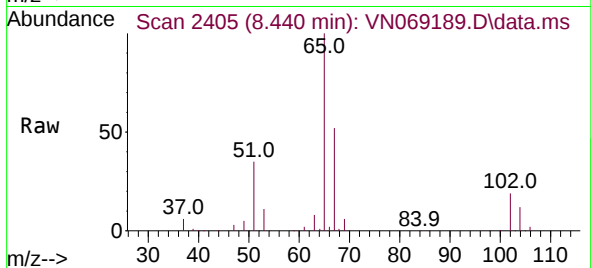


#33

1,2-Dichloroethane-d4
Concen: 49.234 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069189.D
Acq: 26 Oct 2021 16:45

Instrument :
MSVOA_N
ClientSampled :

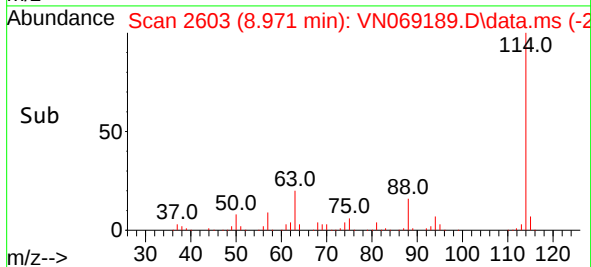
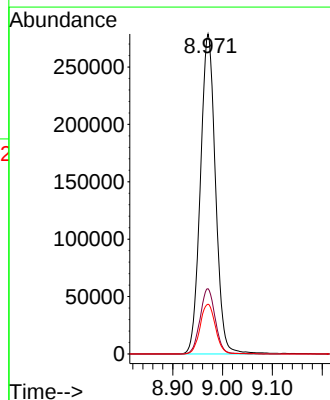
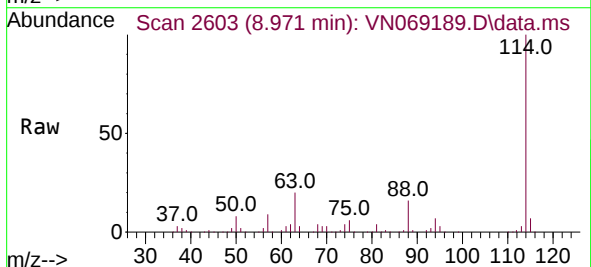
Tgt Ion: 65 Resp: 220109
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.8

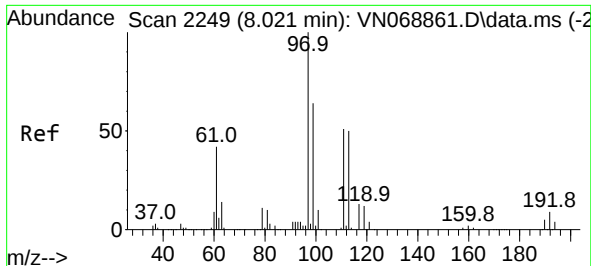


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069189.D
Acq: 26 Oct 2021 16:45

Tgt Ion: 114 Resp: 588039
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.6
88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.478 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN069189.D

Acq: 26 Oct 2021 16:45

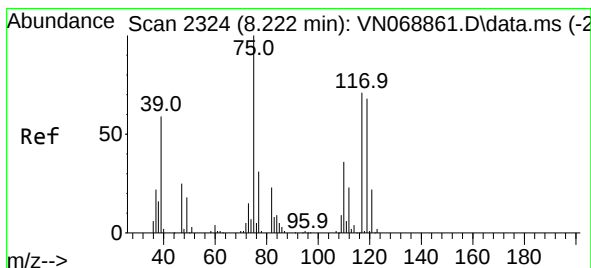
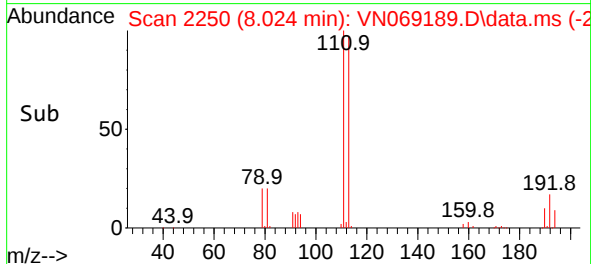
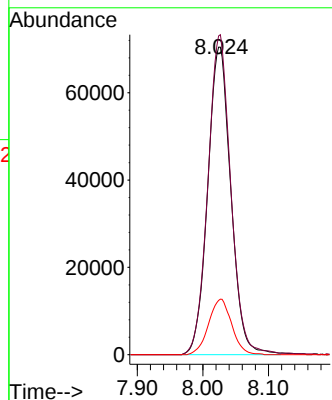
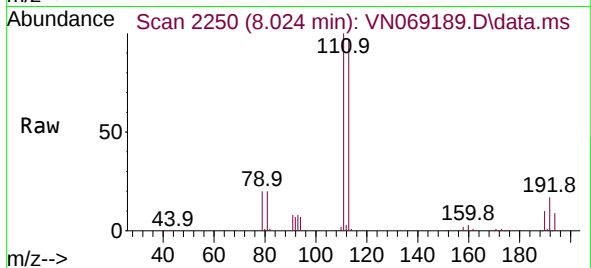
Tgt Ion:113 Resp: 172697

Ion Ratio Lower Upper

113 100

111 102.9 83.2 124.8

192 18.1 15.0 22.4



#36

1,1-Dichloropropene

Concen: 5.475 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.134 min

Lab File: VN069189.D

Acq: 26 Oct 2021 16:45

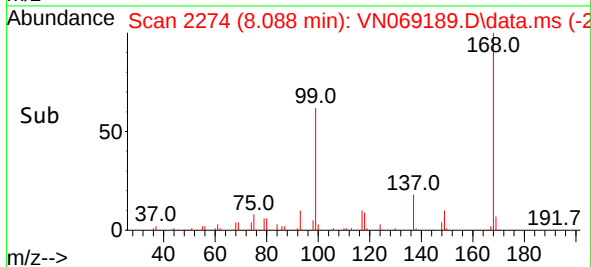
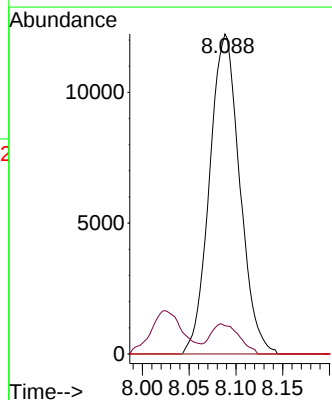
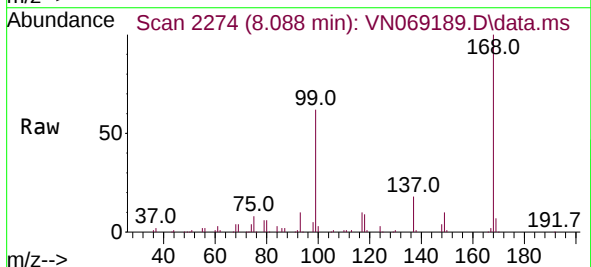
Tgt Ion: 75 Resp: 27502

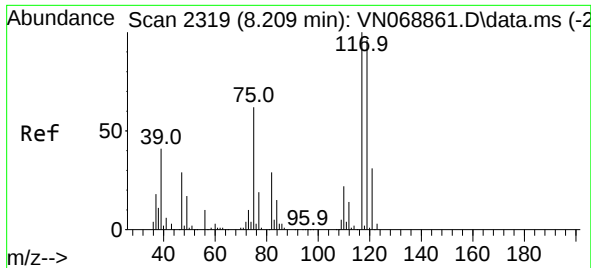
Ion Ratio Lower Upper

75 100

110 8.9 17.9 53.8#

77 0.0 24.7 37.1#

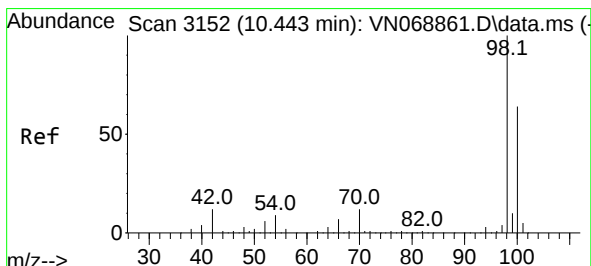
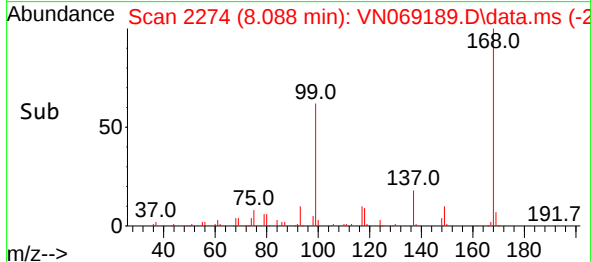
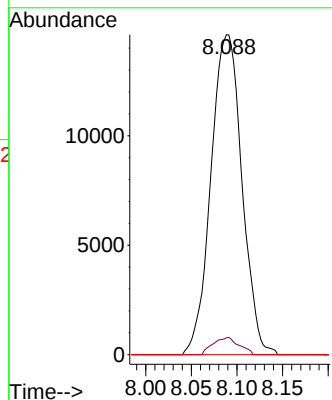
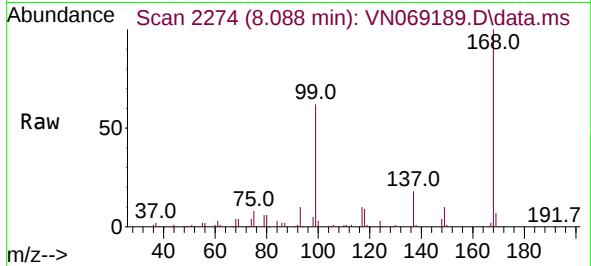




#38
Carbon Tetrachloride
Concen: 6.281 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069189.D
Acq: 26 Oct 2021 16:45

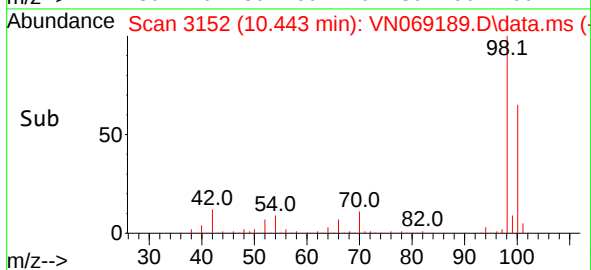
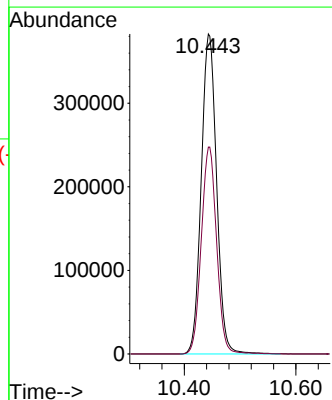
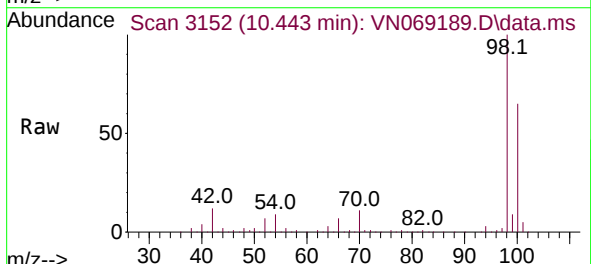
Instrument :
MSVOA_N
ClientSampled :

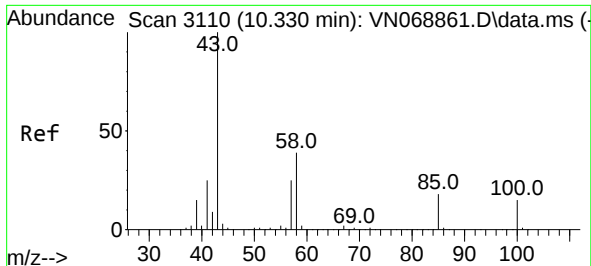
Tgt Ion:117 Resp: 34646
Ion Ratio Lower Upper
117 100
119 5.2 76.9 115.3#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 53.380 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069189.D
Acq: 26 Oct 2021 16:45

Tgt Ion: 98 Resp: 730714
Ion Ratio Lower Upper
98 100
100 64.5 51.5 77.3

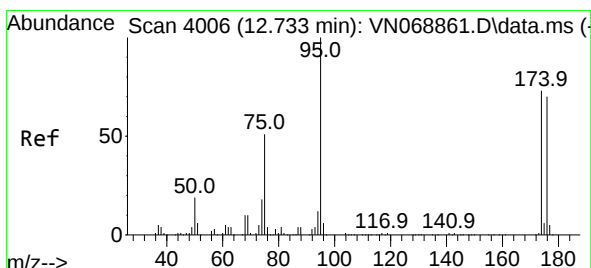
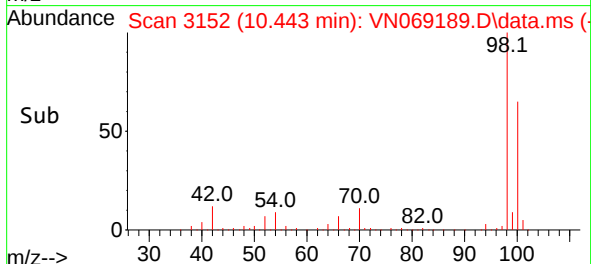
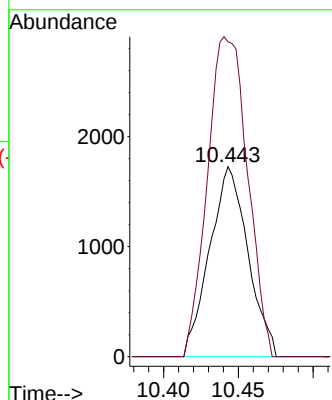
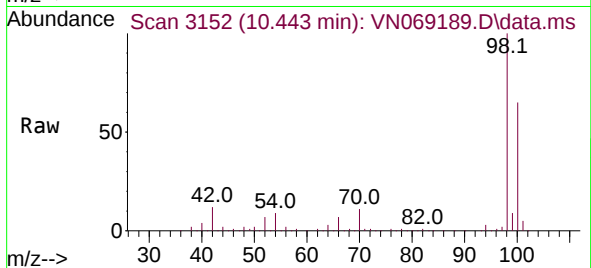




#51
4-Methyl-2-Pentanone
Concen: 0.580 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.113 min
Lab File: VN069189.D
Acq: 26 Oct 2021 16:45

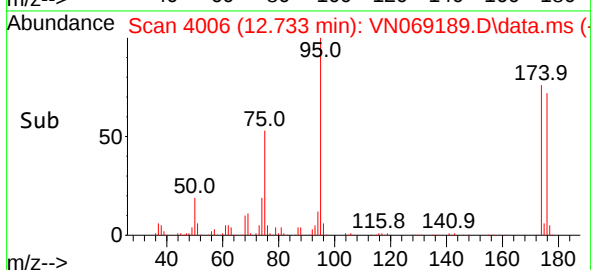
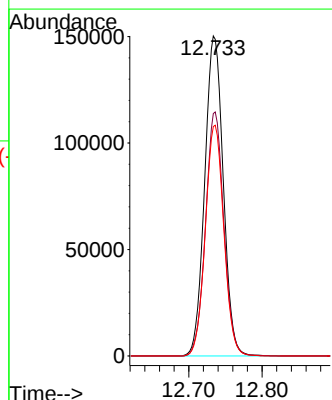
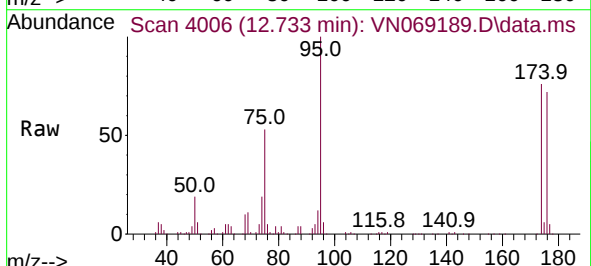
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MSVOA_N
ClientSampled :

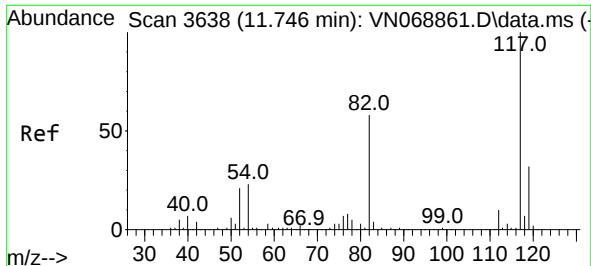
Tgt Ion: 43 Resp: 3076
Ion Ratio Lower Upper
43 100
58 176.2 31.0 46.4#



#62
4-Bromofluorobenzene
Concen: 51.122 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069189.D
Acq: 26 Oct 2021 16:45

Tgt Ion: 95 Resp: 264030
Ion Ratio Lower Upper
95 100
174 75.4 0.0 144.8
176 72.1 0.0 140.0

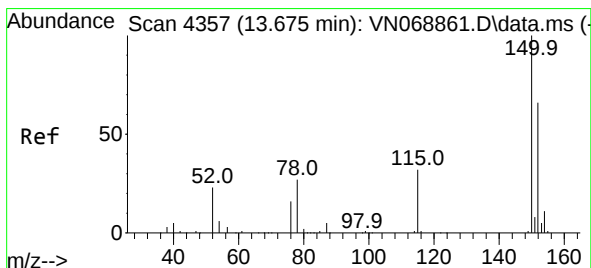
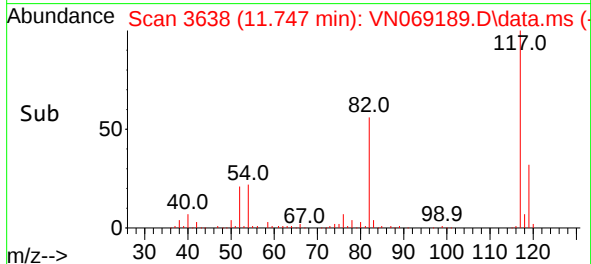
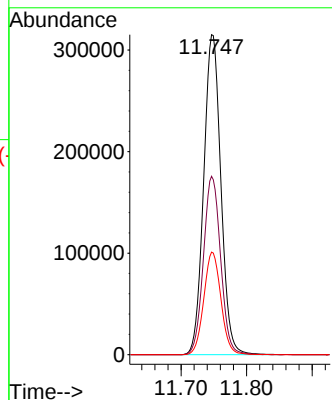
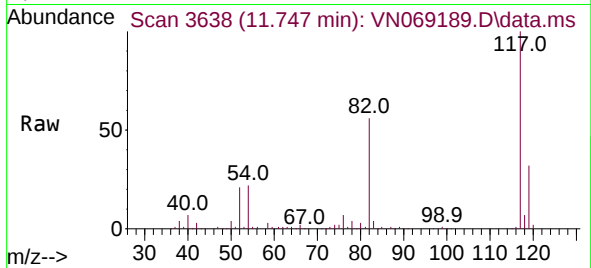




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069189.D
Acq: 26 Oct 2021 16:45

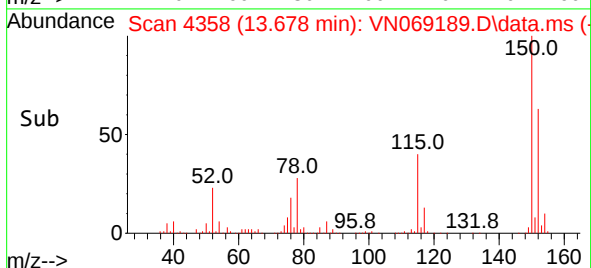
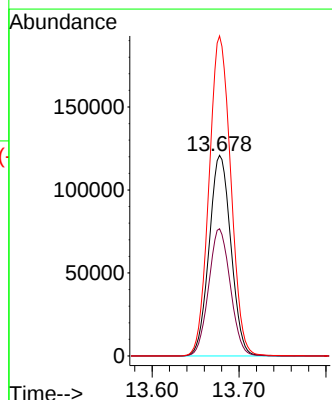
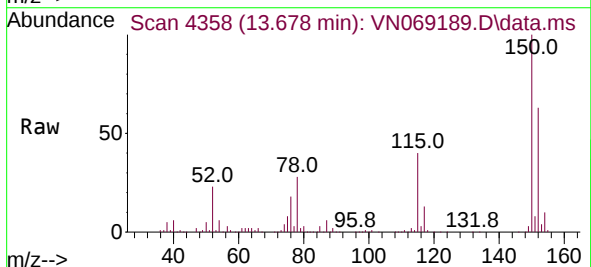
Instrument :
MSVOA_N
ClientSampleId :

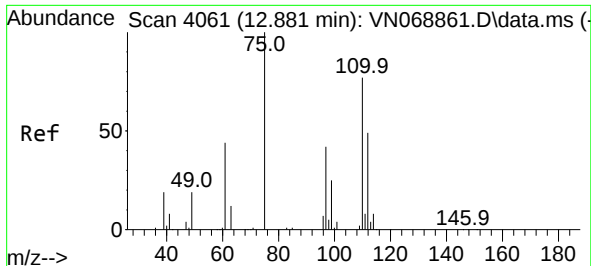
Tgt Ion:117 Resp: 574103
Ion Ratio Lower Upper
117 100
82 55.8 46.4 69.6
119 32.0 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069189.D
Acq: 26 Oct 2021 16:45

Tgt Ion:152 Resp: 210526
Ion Ratio Lower Upper
152 100
115 63.0 31.4 94.3
150 159.0 0.0 351.0

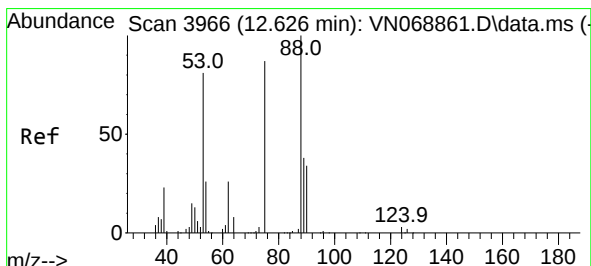
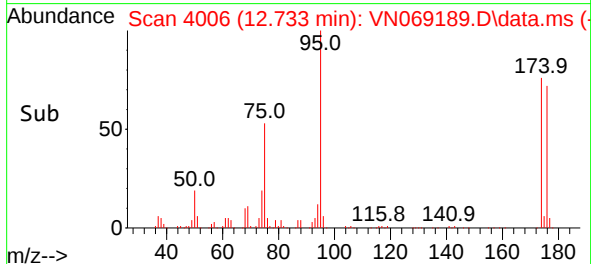
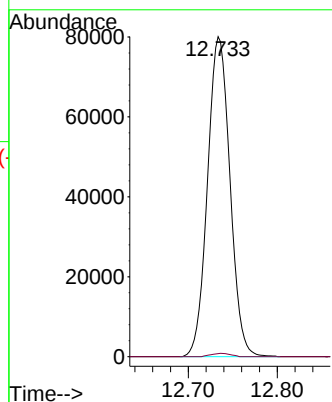
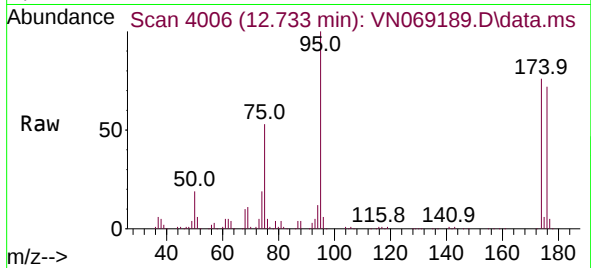




#76
1,2,3-Trichloropropane
Concen: 31.319 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069189.D
Acq: 26 Oct 2021 16:45

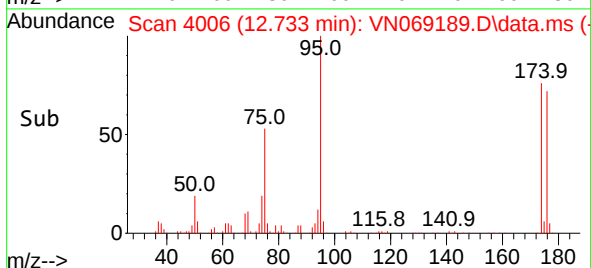
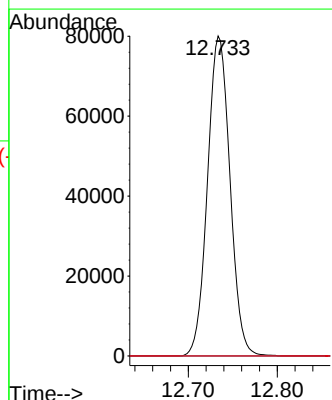
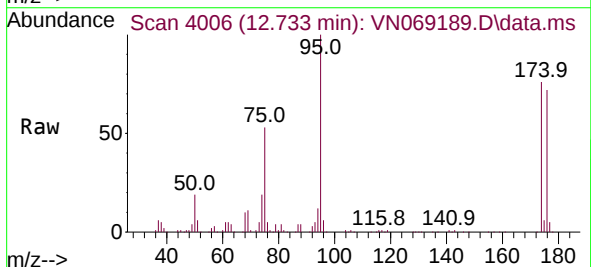
Instrument :
MSVOA_N
ClientSampled :

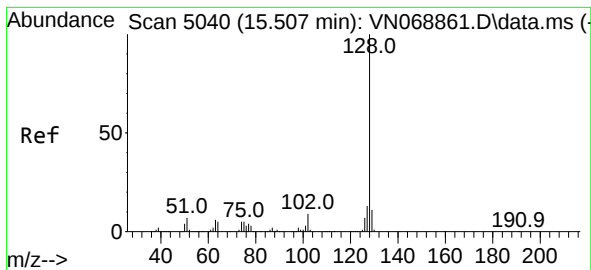
Tgt Ion: 75 Resp: 140289
Ion Ratio Lower Upper
75 100
77 0.9 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.928 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069189.D
Acq: 26 Oct 2021 16:45

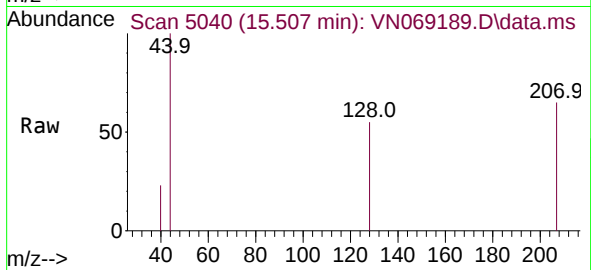
Tgt Ion: 75 Resp: 140289
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.868 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069189.D
Acq: 26 Oct 2021 16:45

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	591
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.9	13.3#

