

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111221\
 Data File : VW020869.D
 Acq On : 12 Nov 2021 21:36
 Operator : SY/VA
 Sample : M4657-04
 Misc : 4.72g/5mL/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 15 00:13:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111021S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 13 07:30:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.946	168	75829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	121322	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.628	117	110693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	57748	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	40892	65.211	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	130.420%
35) Dibromofluoromethane	7.885	113	37614	55.457	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.920%
50) Toluene-d8	10.323	98	132050	49.761	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.520%
62) 4-Bromofluorobenzene	12.615	95	49663	51.872	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.740%

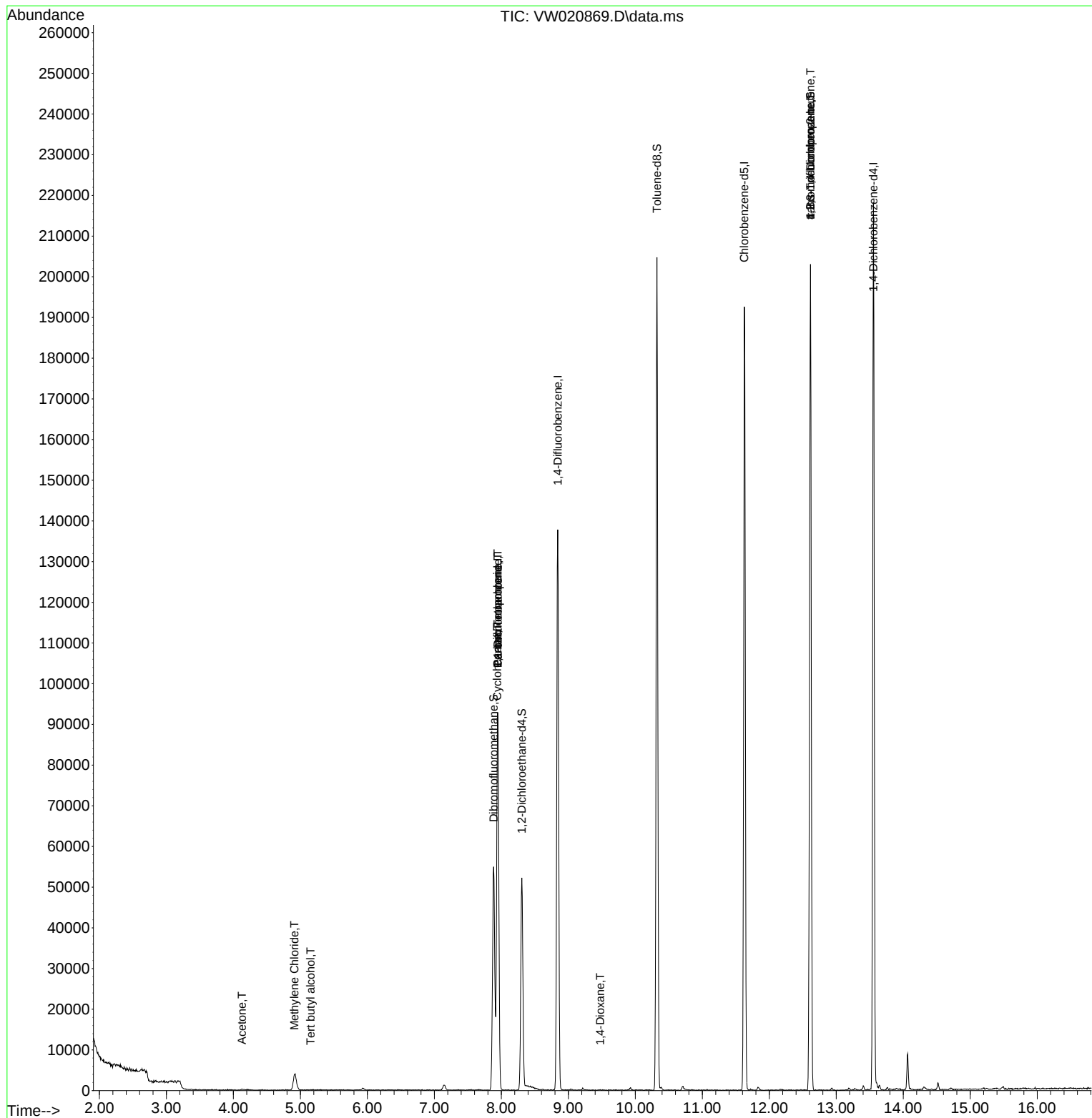
Target Compounds					Qvalue	
5) Bromomethane	2.770	94	25	Below Cal	#	2
11) Tert butyl alcohol	5.153	59	44	1.020	ug/l #	84
16) Acetone	4.129	43	640	7.575	ug/l #	44
20) Methylene Chloride	4.910	84	3288	3.037	ug/l	94
31) Cyclohexane	7.939	56	1540	1.369	ug/l #	45
36) 1,1-Dichloropropene	7.946	75	5069	5.055	ug/l #	50
38) Carbon Tetrachloride	7.946	117	6983	6.648	ug/l #	17
49) 1,4-Dioxane	9.476	88	19	3.329	ug/l #	21
76) 1,2,3-Trichloropropane	12.615	75	26128	58.845	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.615	75	26128	115.832	ug/l #	8

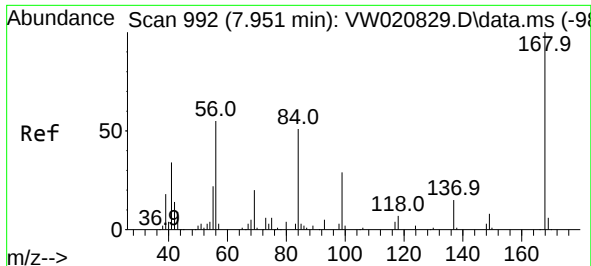
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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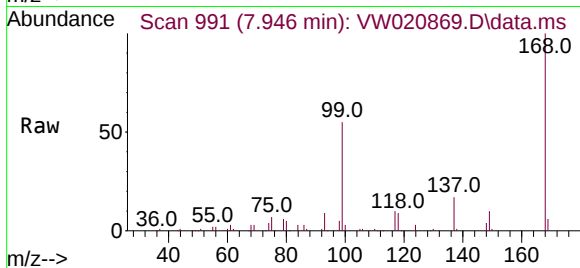
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111021S.M
Quant Title : SW846 8260
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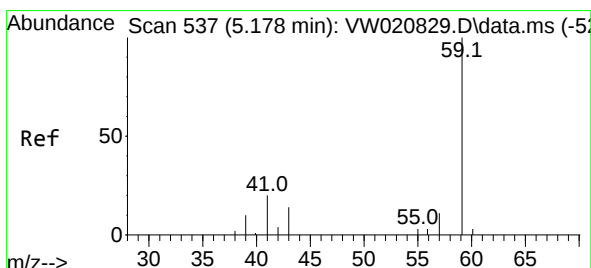
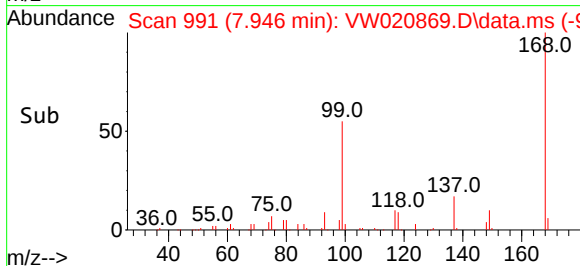
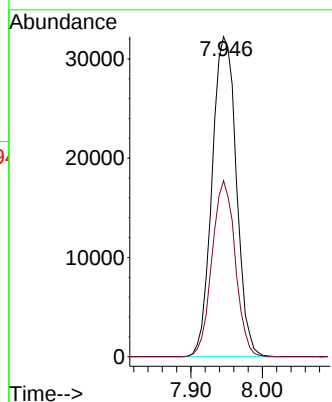


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.946 min Scan# 991
Delta R.T. -0.005 min
Lab File: VW020869.D
Acq: 12 Nov 2021 21:36

Instrument :
MSVOA_W
ClientSampleId :

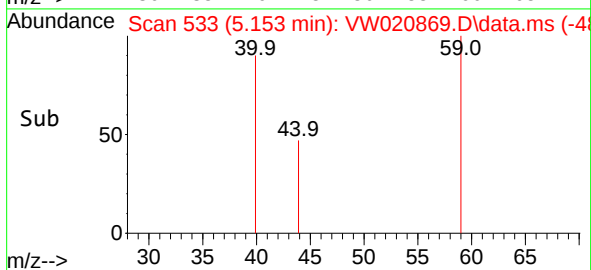
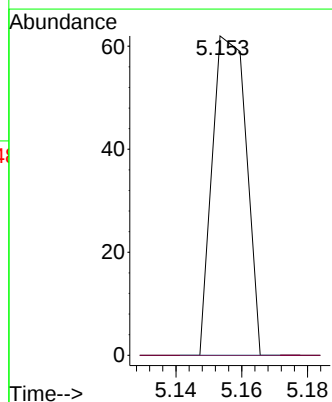
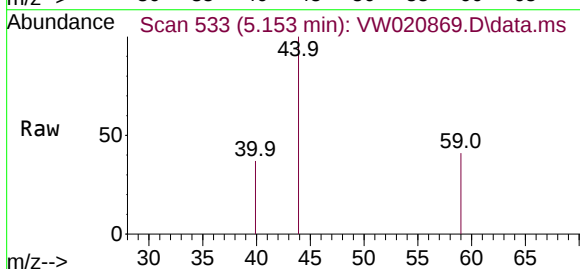


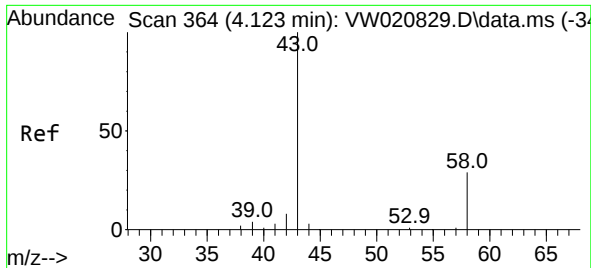
Tgt Ion:168 Resp: 75829
Ion Ratio Lower Upper
168 100
99 55.0 45.4 68.0



#11
Tert butyl alcohol
Concen: 1.020 ug/l
RT: 5.153 min Scan# 533
Delta R.T. -0.025 min
Lab File: VW020869.D
Acq: 12 Nov 2021 21:36

Tgt Ion: 59 Resp: 44
Ion Ratio Lower Upper
59 100
57 0.0 4.2 6.2#

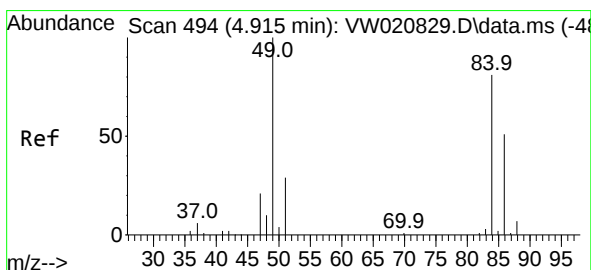
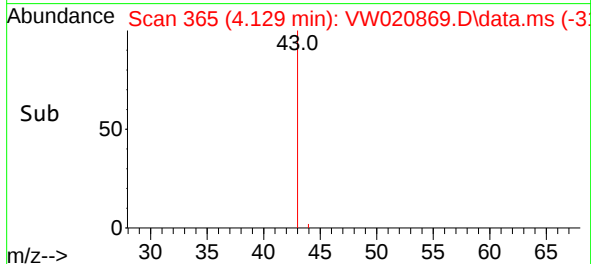
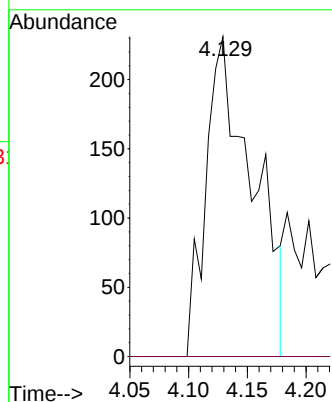
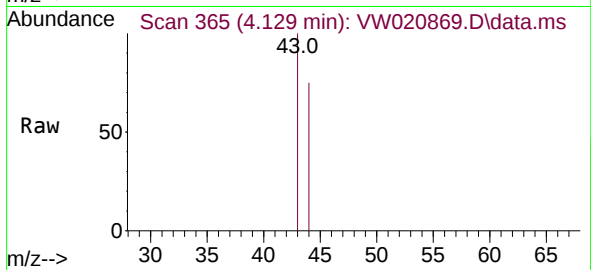




#16
Acetone
Concen: 7.575 ug/l
RT: 4.129 min Scan# 364
Delta R.T. 0.006 min
Lab File: VW020869.D
Acq: 12 Nov 2021 21:36

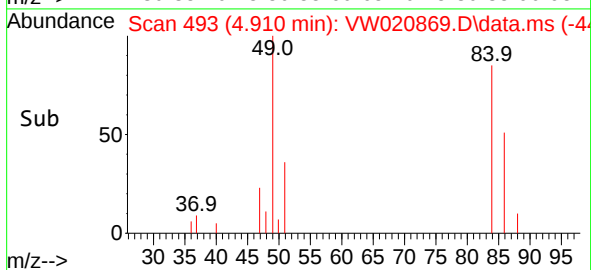
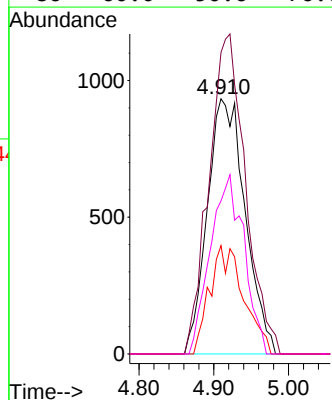
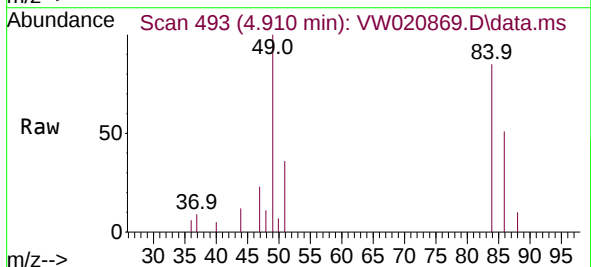
Instrument :
MSVOA_W
ClientSampleId :

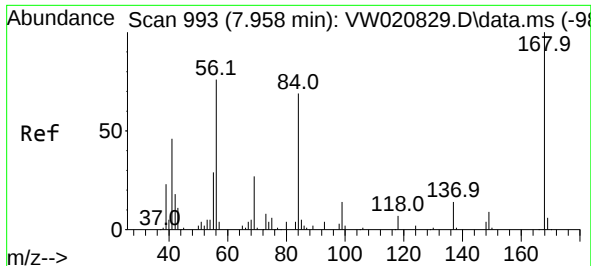
Tgt Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.2#



#20
Methylene Chloride
Concen: 3.037 ug/l
RT: 4.910 min Scan# 493
Delta R.T. -0.005 min
Lab File: VW020869.D
Acq: 12 Nov 2021 21:36

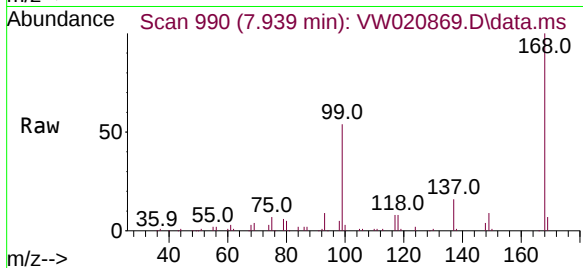
Tgt Ion: 84 Resp: 3288
Ion Ratio Lower Upper
84 100
49 118.1 100.0 150.0
51 42.4 30.8 46.2
86 60.0 50.6 76.0



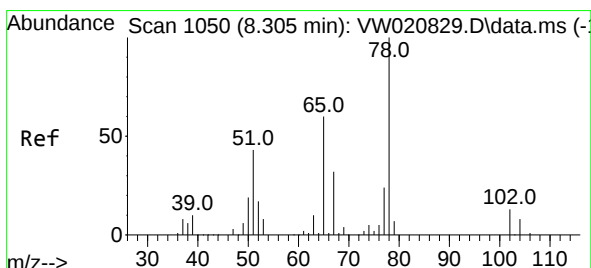
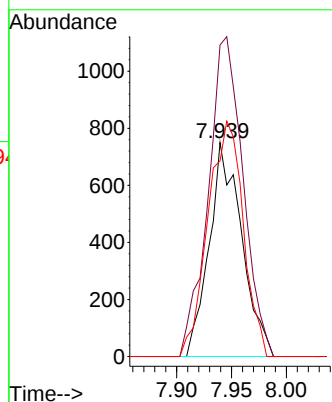
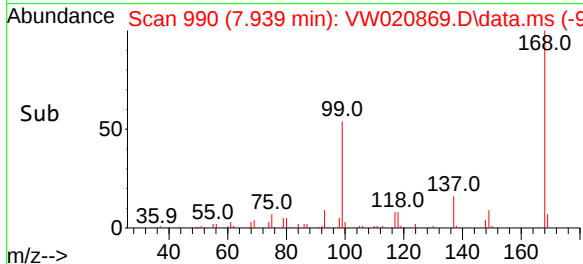


#31
Cyclohexane
Concen: 1.369 ug/l
RT: 7.939 min Scan# 993
Delta R.T. -0.018 min
Lab File: VW020869.D
Acq: 12 Nov 2021 21:36

Instrument :
MSVOA_W
ClientSampleId :

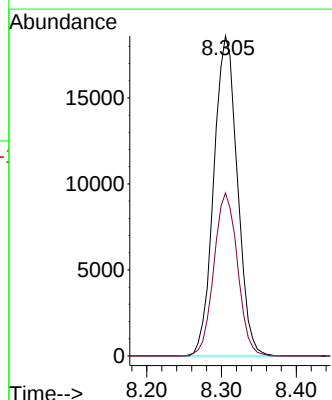
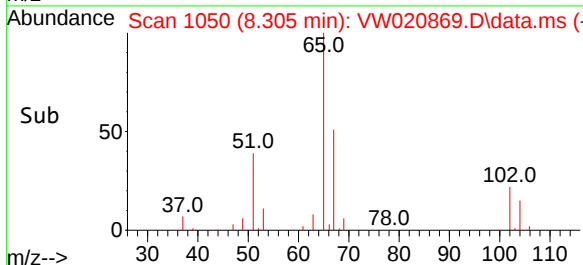
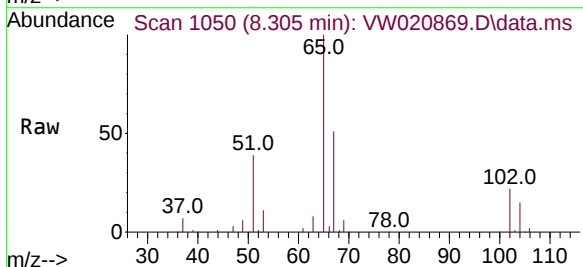


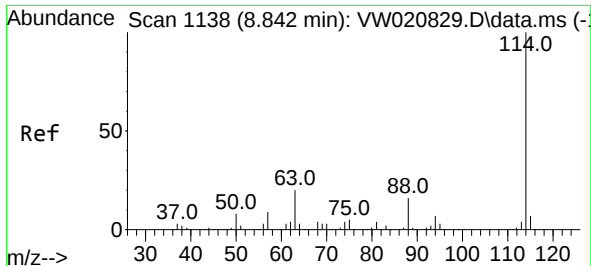
Tgt Ion: 56 Resp: 1540
Ion Ratio Lower Upper
56 100
69 145.6 27.2 40.8#
84 91.5 71.8 107.6



#33
1,2-Dichloroethane-d4
Concen: 65.211 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW020869.D
Acq: 12 Nov 2021 21:36

Tgt Ion: 65 Resp: 40892
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.842 min Scan# 1138

Delta R.T. 0.000 min

Lab File: VW020869.D

Acq: 12 Nov 2021 21:36

Instrument :

MSVOA_W

ClientSampleId :

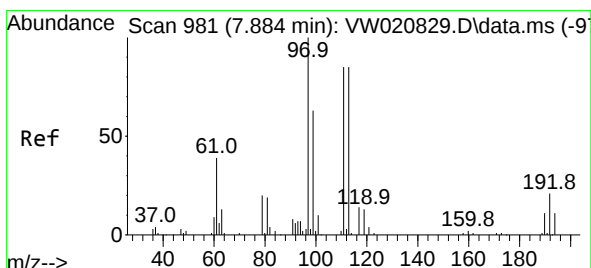
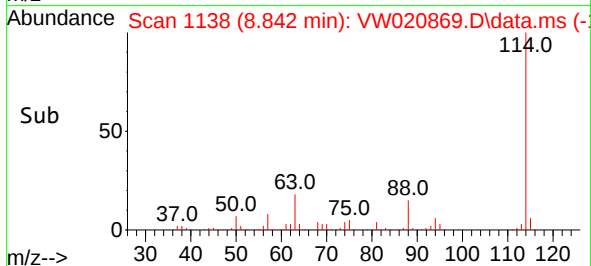
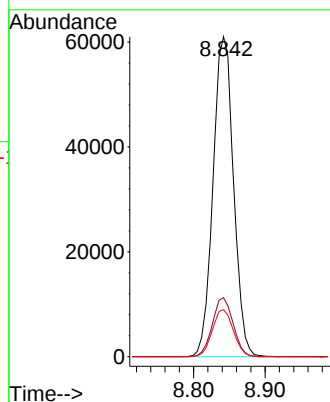
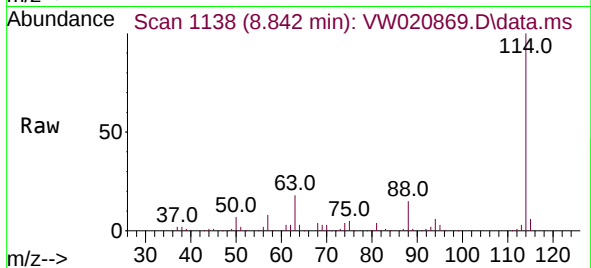
Tgt Ion:114 Resp: 121322

Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.8

88 14.7 0.0 33.0



#35

Dibromofluoromethane

Concen: 55.457 ug/l

RT: 7.885 min Scan# 981

Delta R.T. 0.000 min

Lab File: VW020869.D

Acq: 12 Nov 2021 21:36

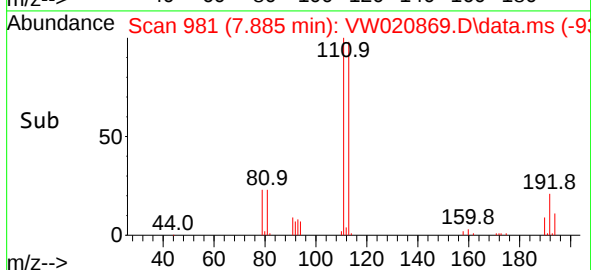
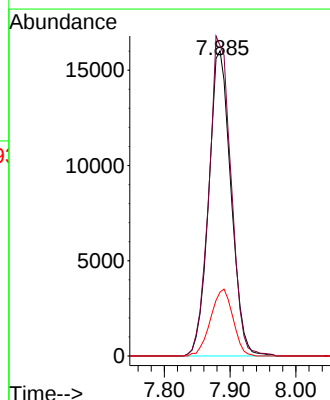
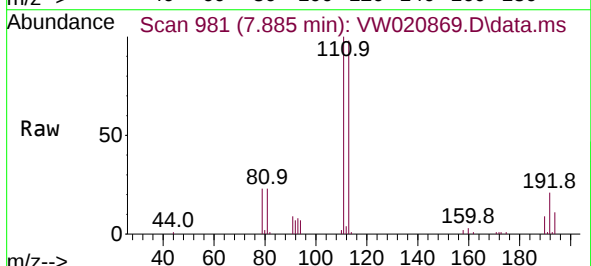
Tgt Ion:113 Resp: 37614

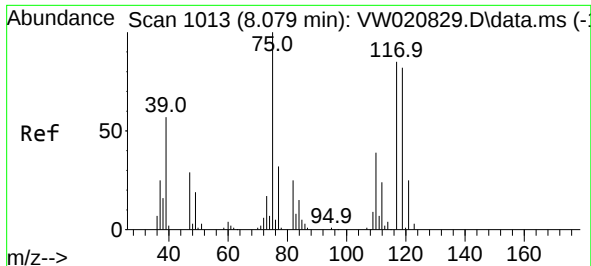
Ion Ratio Lower Upper

113 100

111 104.6 82.1 123.1

192 22.0 17.8 26.8





#36

1,1-Dichloropropene

Concen: 5.055 ug/l

RT: 7.946 min Scan# 991

Delta R.T. -0.134 min

Lab File: VW020869.D

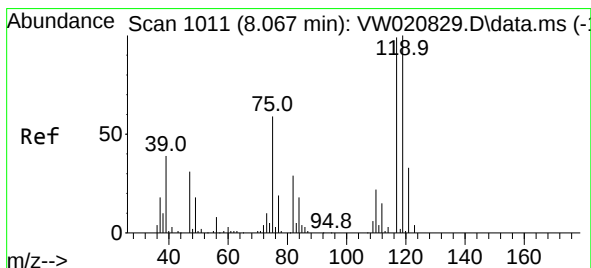
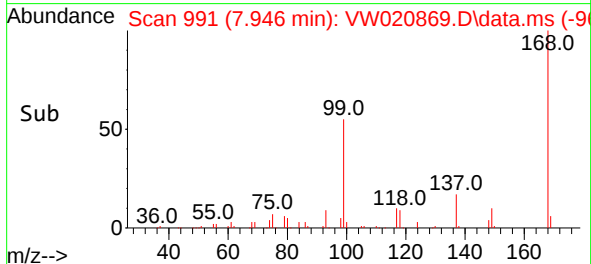
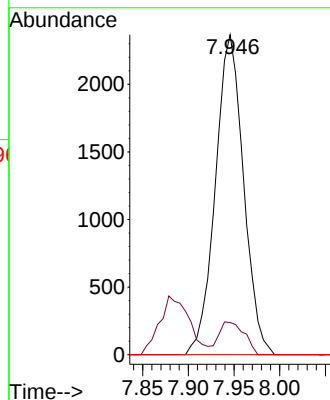
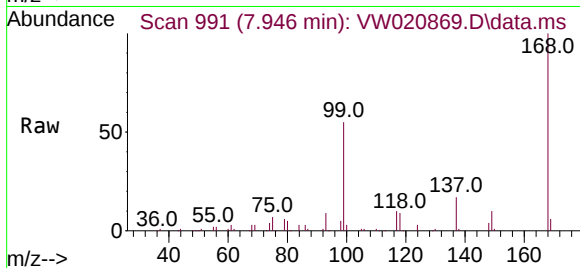
Acq: 12 Nov 2021 21:36

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	75	Resp:	5069
Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.1	51.3#
77	0.0	24.9	37.3#



#38

Carbon Tetrachloride

Concen: 6.648 ug/l

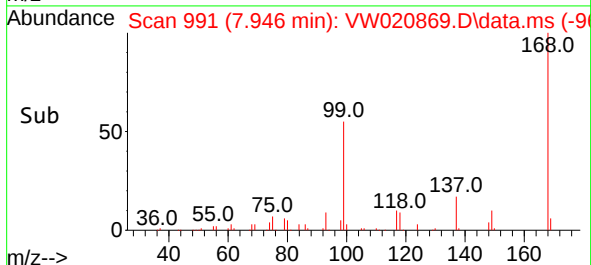
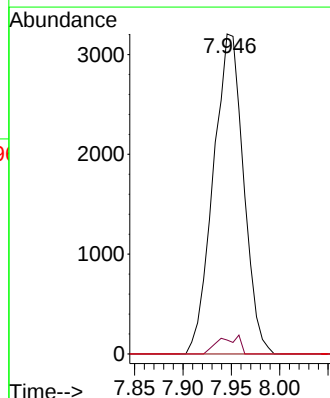
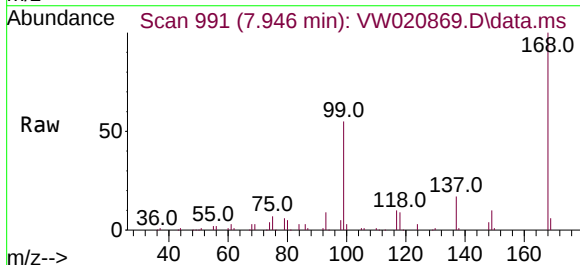
RT: 7.946 min Scan# 991

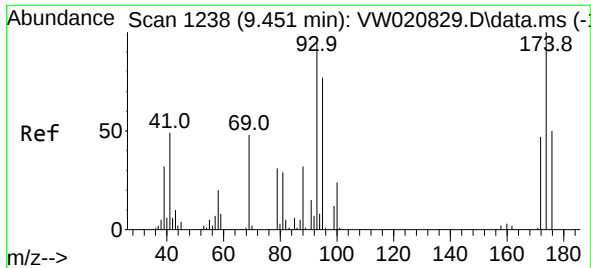
Delta R.T. -0.122 min

Lab File: VW020869.D

Acq: 12 Nov 2021 21:36

Tgt Ion:	117	Resp:	6983
Ion	Ratio	Lower	Upper
117	100		
119	4.3	72.9	109.3#
121	0.0	23.4	35.0#





#49

1,4-Dioxane

Concen: 3.329 ug/l

RT: 9.476 min Scan# 1242

Delta R.T. 0.025 min

Lab File: VW020869.D

Acq: 12 Nov 2021 21:36

Instrument :

MSVOA_W

ClientSampleId :

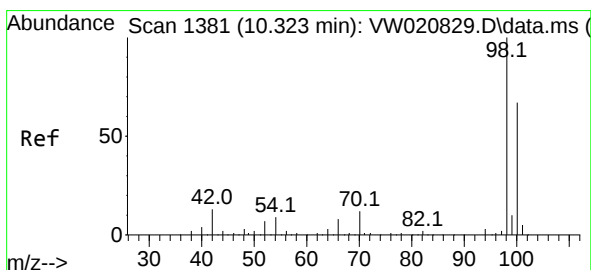
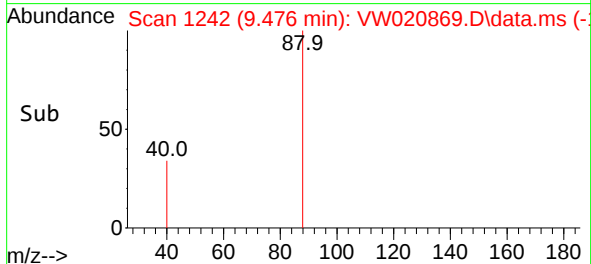
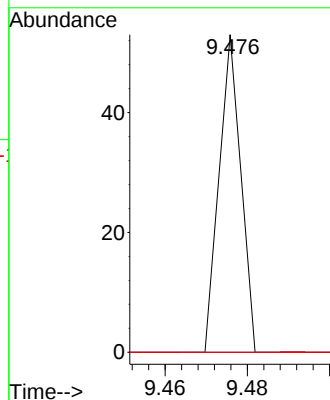
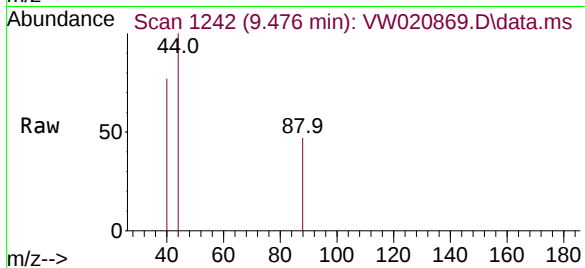
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 28.8 43.2#

58 0.0 59.6 89.4#



#50

Toluene-d8

Concen: 49.761 ug/l

RT: 10.323 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VW020869.D

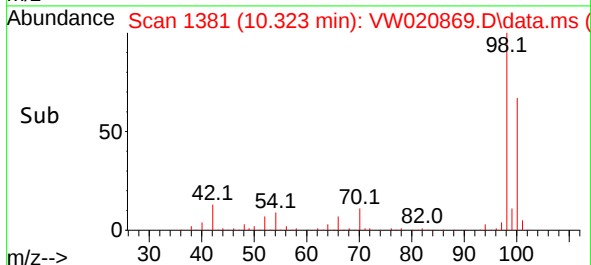
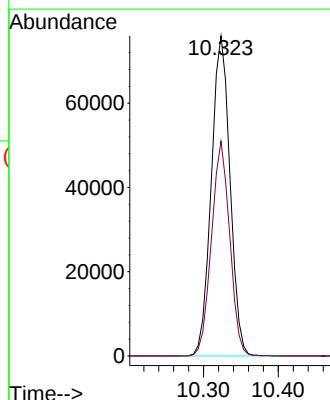
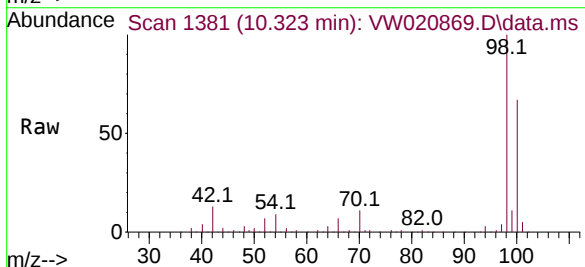
Acq: 12 Nov 2021 21:36

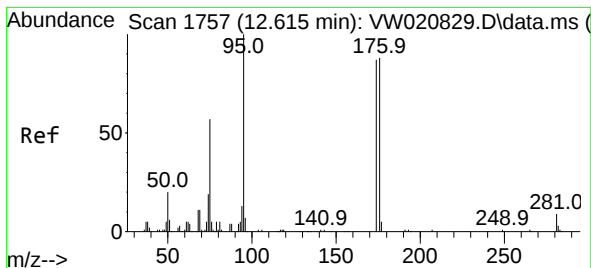
Tgt Ion: 98 Resp: 132050

Ion Ratio Lower Upper

98 100

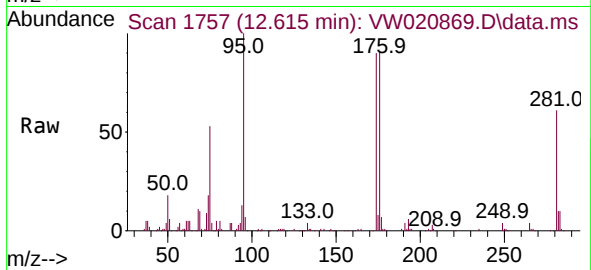
100 65.5 53.2 79.8



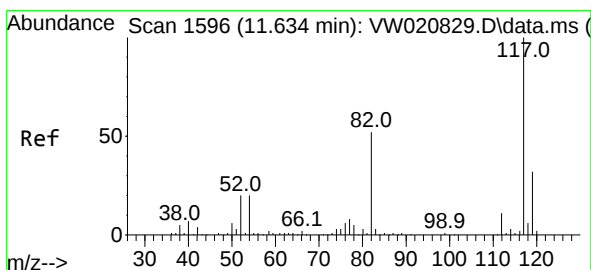
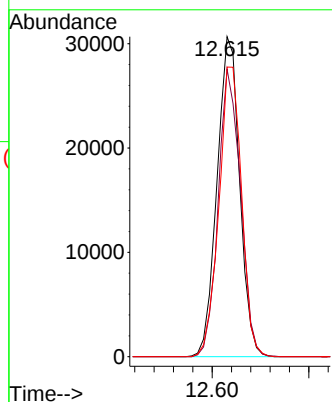
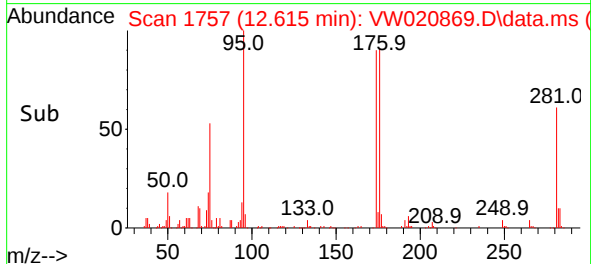


#62
4-Bromofluorobenzene
Concen: 51.872 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VW020869.D
Acq: 12 Nov 2021 21:36

Instrument :
MSVOA_W
ClientSampleId :

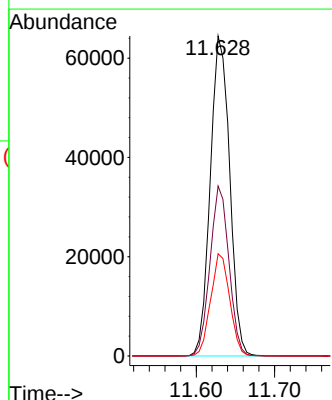
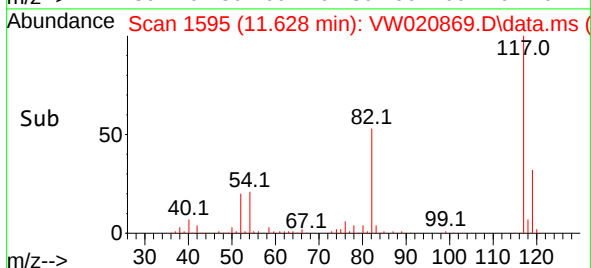
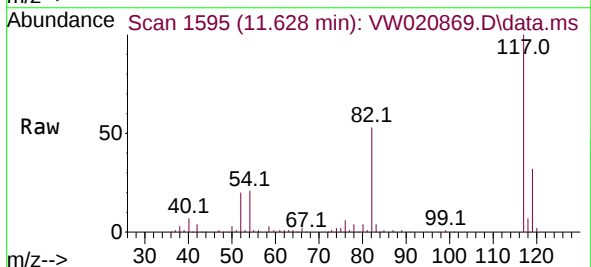


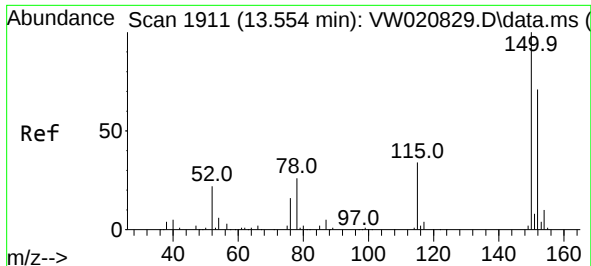
Tgt Ion: 95 Resp: 49663
Ion Ratio Lower Upper
95 100
174 88.6 0.0 166.4
176 90.8 0.0 159.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.628 min Scan# 1595
Delta R.T. -0.006 min
Lab File: VW020869.D
Acq: 12 Nov 2021 21:36

Tgt Ion: 117 Resp: 110693
Ion Ratio Lower Upper
117 100
82 53.1 45.6 68.4
119 32.0 25.0 37.4

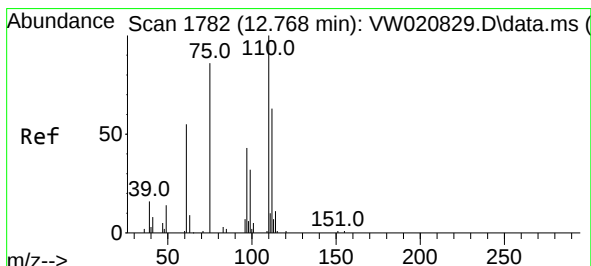
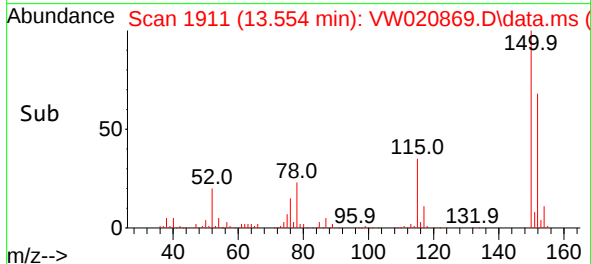
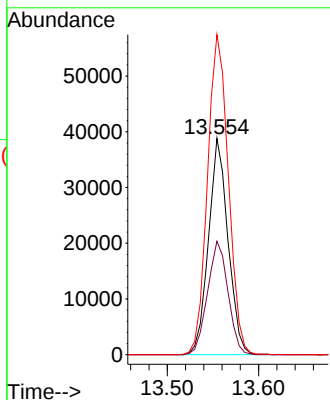
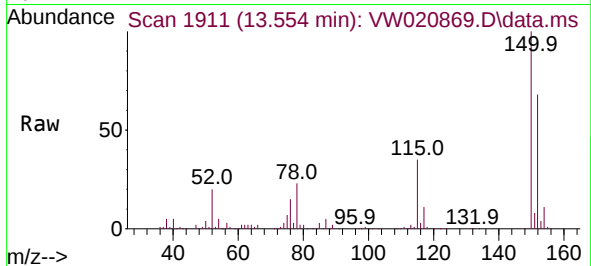




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.554 min Scan# 1911
 Delta R.T. 0.000 min
 Lab File: VW020869.D
 Acq: 12 Nov 2021 21:36

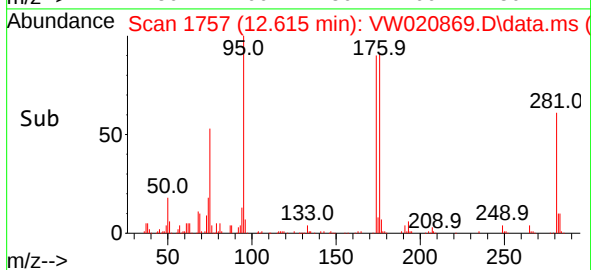
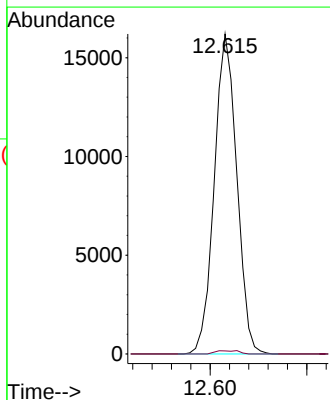
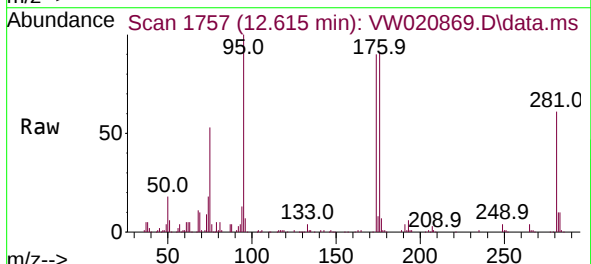
Instrument :
 MSVOA_W
 ClientSampleId :

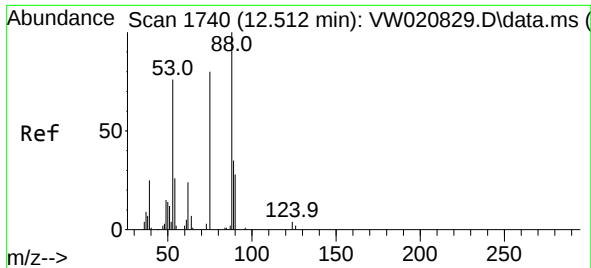
Tgt Ion:152 Resp: 57748
 Ion Ratio Lower Upper
 152 100
 115 54.8 29.6 88.9
 150 157.9 0.0 352.6



#76
 1,2,3-Trichloropropane
 Concen: 58.845 ug/l
 RT: 12.615 min Scan# 1757
 Delta R.T. -0.152 min
 Lab File: VW020869.D
 Acq: 12 Nov 2021 21:36

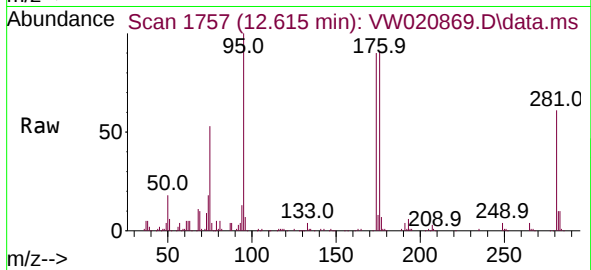
Tgt Ion: 75 Resp: 26128
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.832 ug/l
 RT: 12.615 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW020869.D
 Acq: 12 Nov 2021 21:36

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 26128
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.7 125.5#
 89 0.5 36.7 55.1#

