

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101821\
 Data File : VW022891.D
 Acq On : 19 Oct 2021 01:29
 Operator : SY/MD
 Sample : M4137-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 19 04:08:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 19 04:07:06 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	121622	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	125611	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	58453	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	33531	4.007	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.200%
7) Chloroethane-d5	1.568	69	31066	4.131	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.600%
11) 1,1-Dichloroethene-d2	2.108	63	48331	2.944	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.800%#
20) 2-Butanone-d5	3.896	46	110993	50.588	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.180%
24) Chloroform-d	4.352	84	94152	5.460	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.200%
26) 1,2-Dichloroethane-d4	5.034	65	43812	5.235	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.600%
32) Benzene-d6	5.053	84	177034	4.734	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
36) 1,2-Dichloropropane-d6	6.072	67	57231	5.168	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.400%
41) Toluene-d8	7.317	98	145787	4.510	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
43) trans-1,3-Dichloroprop...	7.625	79	17101	4.655	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.200%
46) 2-Hexanone-d5	8.092	63	89318	60.333	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.660%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	42221	5.628	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	60713	5.602	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	11709	1.272	ug/L	98
12) 1,1-Dichloroethene	2.118	96	918	0.125	ug/L #	1
17) Methyl tert-butyl Ether	2.770	73	32294	1.817	ug/L	96
18) trans-1,2-Dichloroethene	2.764	96	621	0.078	ug/L	88
19) 1,1-Dichloroethane	3.191	63	55169	3.834	ug/L	96
22) cis-1,2-Dichloroethene	3.915	96	46669	5.563	ug/L	97
25) Chloroform	4.378	83	32660	1.958	ug/L	90
27) 1,2-Dichloroethane	5.150	62	2224	0.267	ug/L #	69
34) Trichloroethene	5.921	95	12933	1.406	ug/L	97
35) Methylcyclohexane	6.072	83	13511	1.048	ug/L #	16
37) 1,2-Dichloropropane	6.191	63	713	0.088	ug/L #	84
42) Toluene	7.391	91	103794	3.022	ug/L	99
47) Tetrachloroethene	7.976	164	37497	5.040	ug/L	97
48) 2-Hexanone	8.092	43	11876	3.715	ug/L #	66
49) Dibromochloromethane	7.976	129	33158	4.691	ug/L #	7
53) m,p-xylene	9.143	106	1740	0.127	ug/L	81
61) 1,2,3-Trichloropropane	11.249	75	6280	1.546	ug/L #	58
63) 1,2,4-Trimethylbenzene	10.921	105	1397	0.058	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.252	75	75	0.101	ug/L #	1

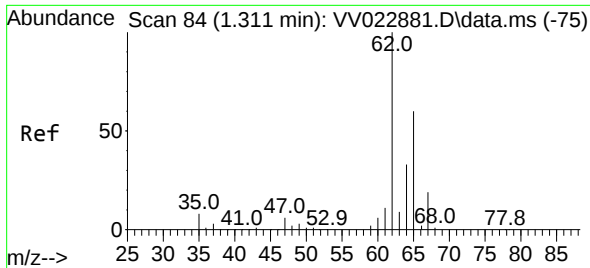
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV101821\
Data File : VV022891.D
Acq On : 19 Oct 2021 01:29
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Oct 19 04:07:06 2021
Response via : Initial Calibration

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

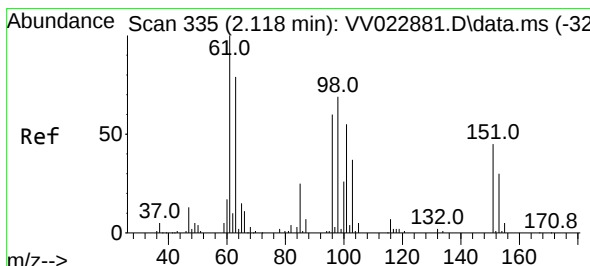
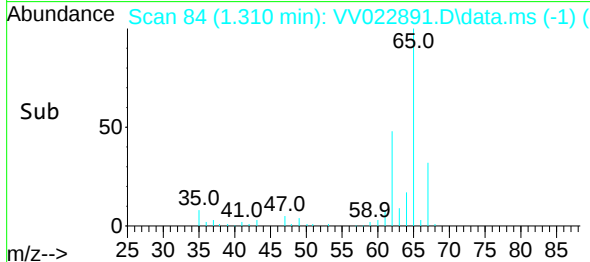
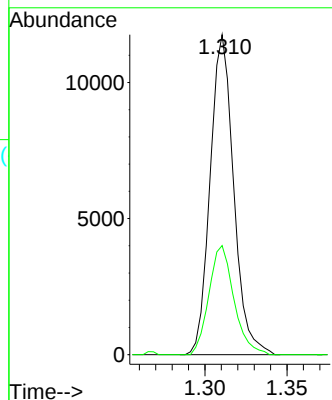
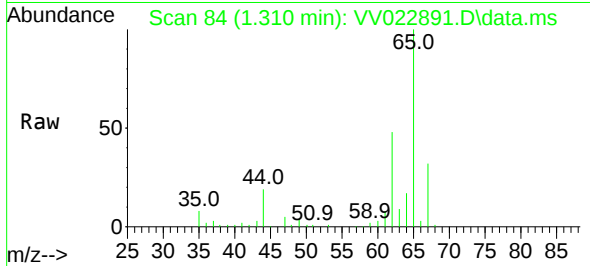
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 1.272 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV022891.D
 Acq: 19 Oct 2021 01:29

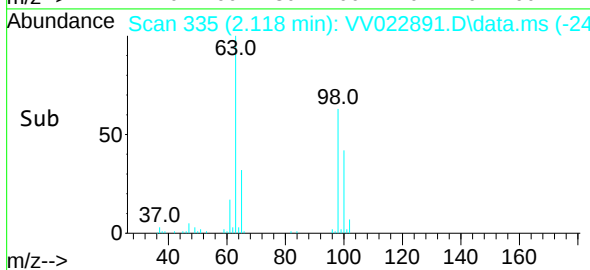
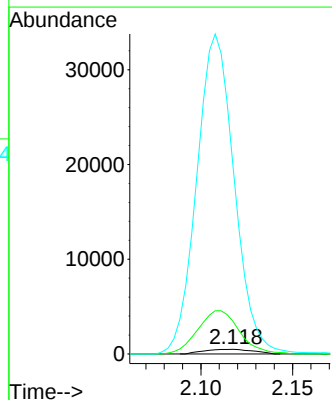
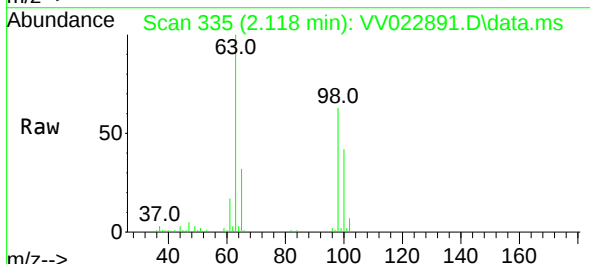
Instrument :
 MSVOA_V
 ClientSampled :

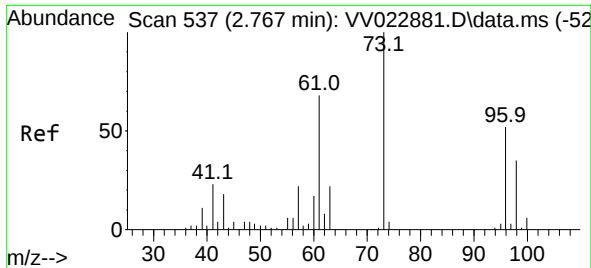
Tgt Ion: 62 Resp: 11709
 Ion Ratio Lower Upper
 62 100
 64 34.1 23.0 42.8



#12
 1,1-Dichloroethene
 Concen: 0.125 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. -0.000 min
 Lab File: VV022891.D
 Acq: 19 Oct 2021 01:29

Tgt Ion: 96 Resp: 918
 Ion Ratio Lower Upper
 96 100
 61 695.2 127.3 236.5#
 63 4009.7 106.2 197.2#

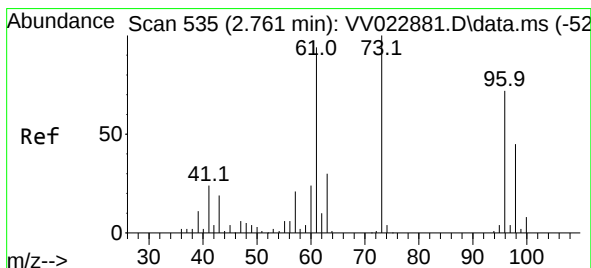
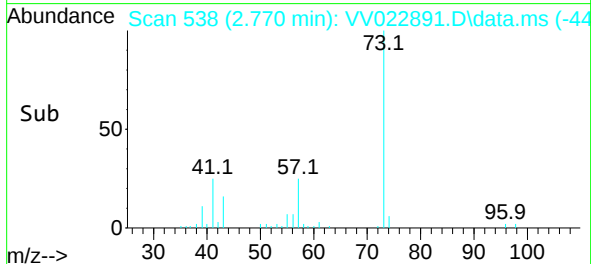
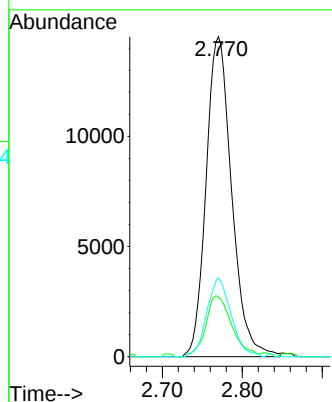
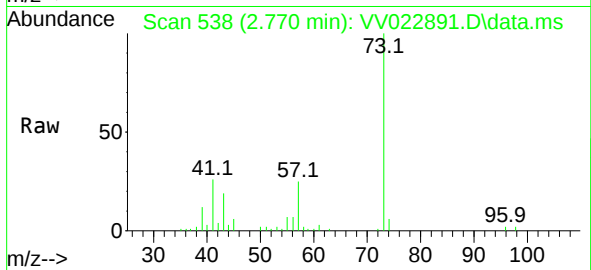




#17
Methyl tert-butyl Ether
Concen: 1.817 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV022891.D
Acq: 19 Oct 2021 01:29

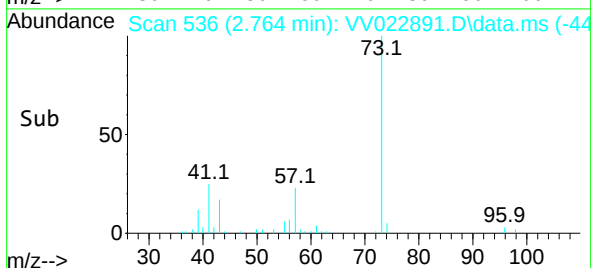
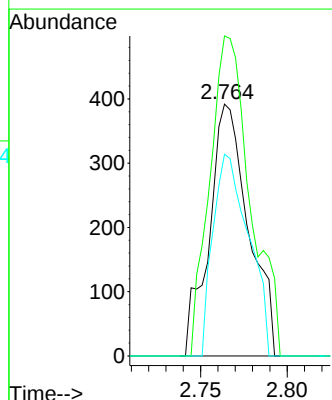
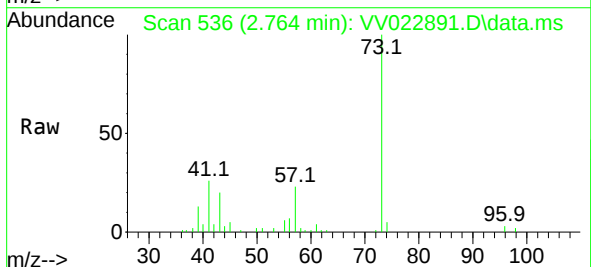
Instrument :
MSVOA_V
ClientSampled :

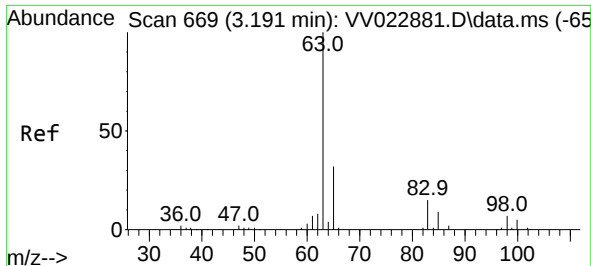
Tgt Ion: 73 Resp: 32294
Ion Ratio Lower Upper
73 100
43 19.4 17.1 25.7
57 23.3 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 0.078 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV022891.D
Acq: 19 Oct 2021 01:29

Tgt Ion: 96 Resp: 621
Ion Ratio Lower Upper
96 100
61 127.0 94.5 175.5
98 80.1 44.2 82.0





#19

1,1-Dichloroethane

Concen: 3.834 ug/L

RT: 3.191 min Scan# 669

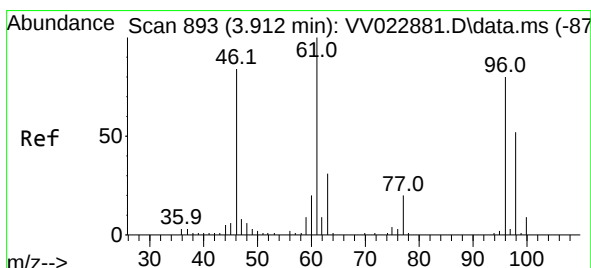
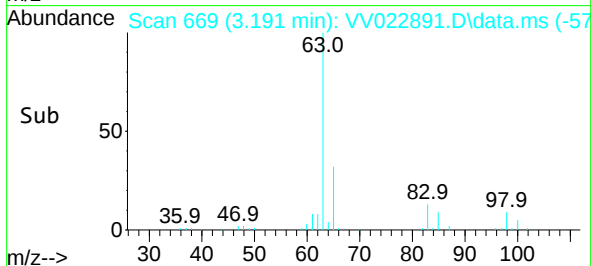
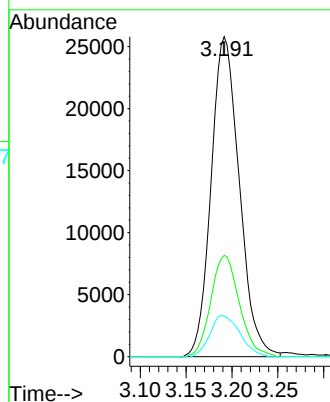
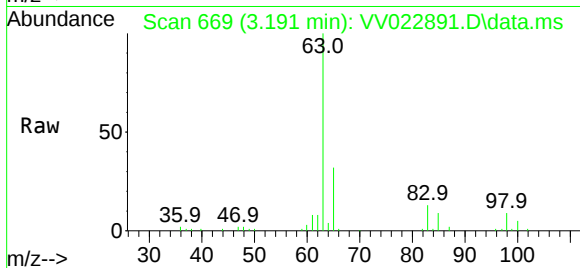
Delta R.T. -0.000 min

Lab File: VV022891.D

Acq: 19 Oct 2021 01:29

Tgt Ion:	63	Resp:	55169
Ion	Ratio	Lower	Upper
63	100		
65	31.6	23.5	43.7
83	12.6	10.1	18.7

Instrument :
MSVOA_V
ClientSampled :



#22

cis-1,2-Dichloroethene

Concen: 5.563 ug/L

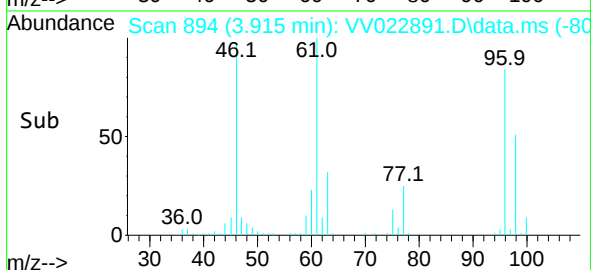
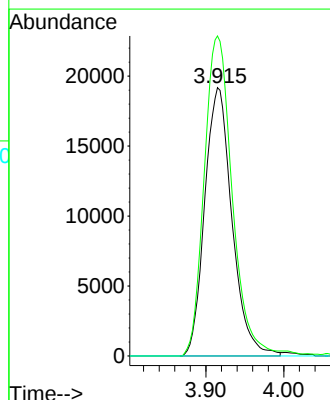
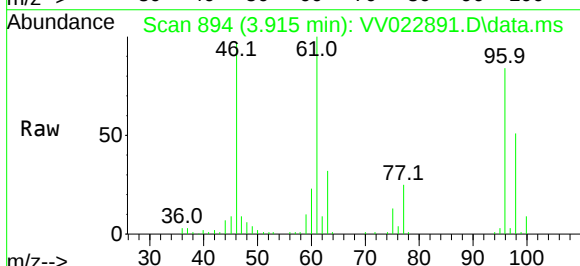
RT: 3.915 min Scan# 894

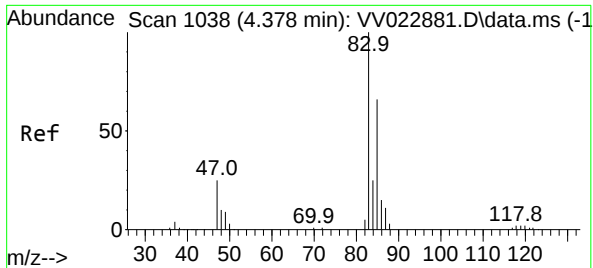
Delta R.T. 0.003 min

Lab File: VV022891.D

Acq: 19 Oct 2021 01:29

Tgt Ion:	96	Resp:	46669
Ion	Ratio	Lower	Upper
96	100		
61	119.3	86.0	159.6
68	0.0	0.0	0.0





#25

Chloroform

Concen: 1.958 ug/L

RT: 4.378 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VV022891.D

Acq: 19 Oct 2021 01:29

Tgt Ion: 83 Resp: 32660

Ion Ratio Lower Upper

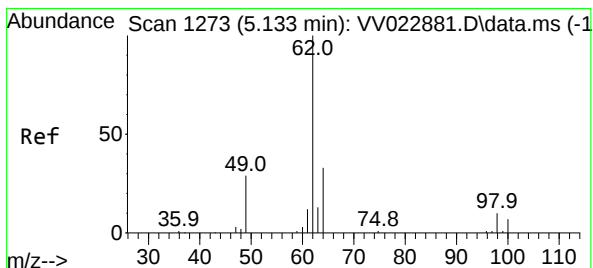
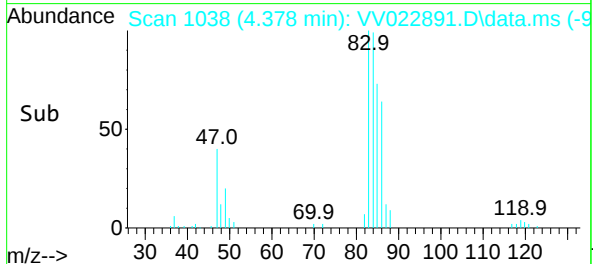
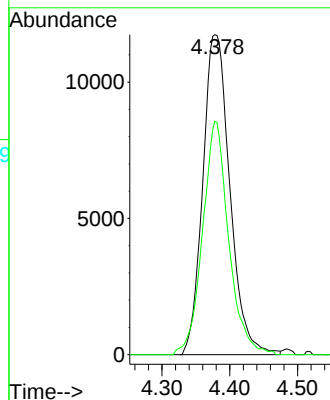
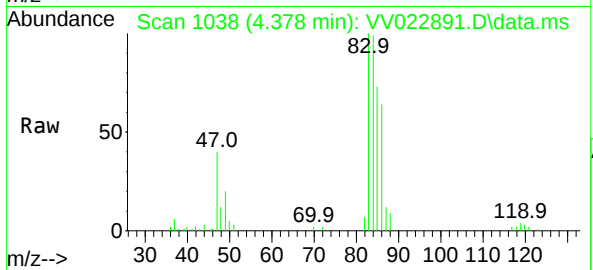
83 100

85 72.9 45.7 84.9

Instrument :

MSVOA_V

ClientSampled :



#27

1,2-Dichloroethane

Concen: 0.267 ug/L

RT: 5.150 min Scan# 1278

Delta R.T. 0.016 min

Lab File: VV022891.D

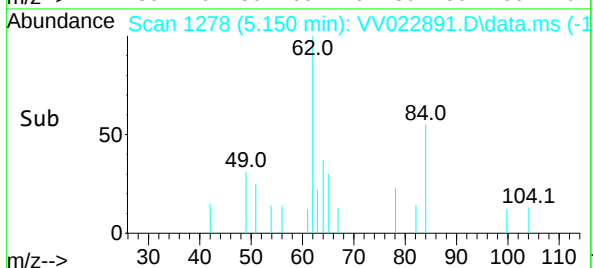
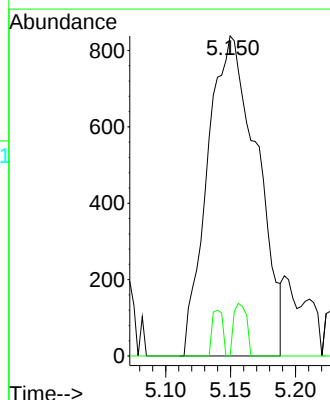
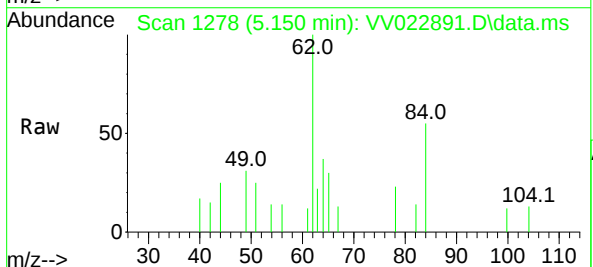
Acq: 19 Oct 2021 01:29

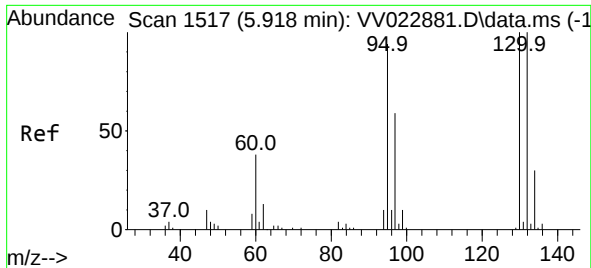
Tgt Ion: 62 Resp: 2224

Ion Ratio Lower Upper

62 100

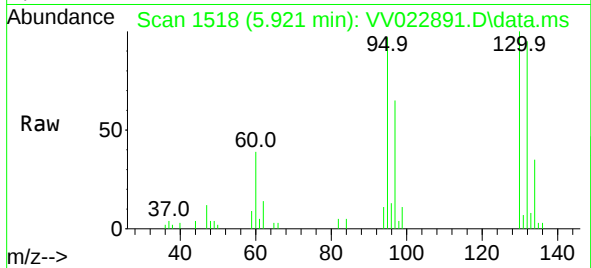
98 0.0 9.7 14.5#



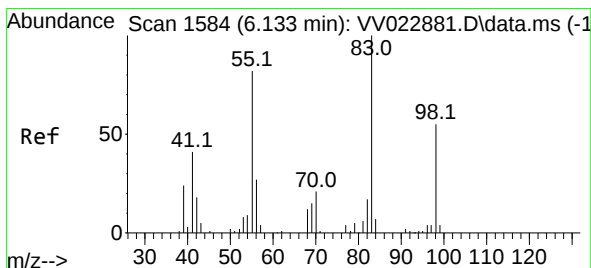
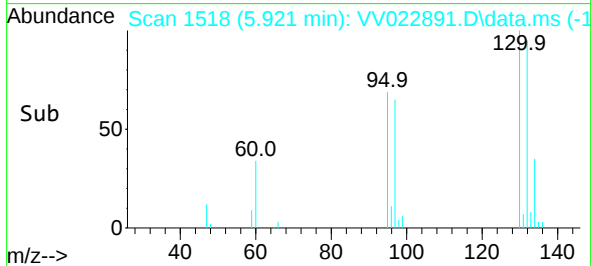
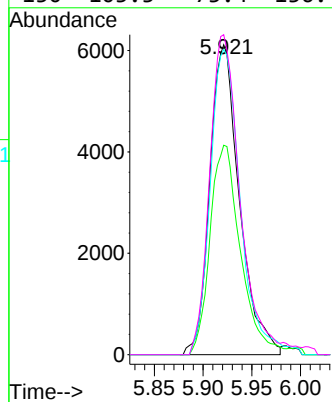


#34
Trichloroethene
Concen: 1.406 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.003 min
Lab File: VV022891.D
Acq: 19 Oct 2021 01:29

Instrument :
MSVOA_V
ClientSampled :

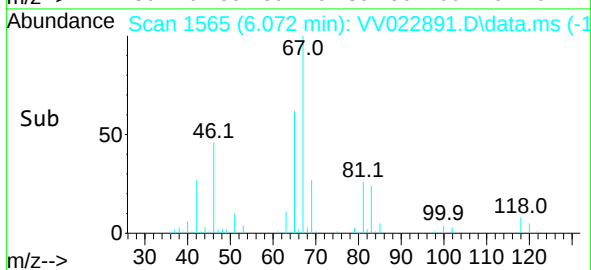
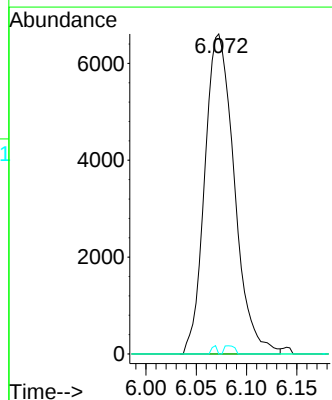
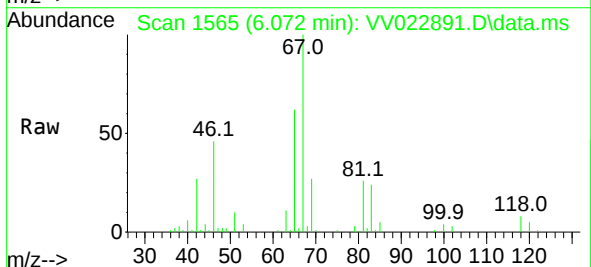


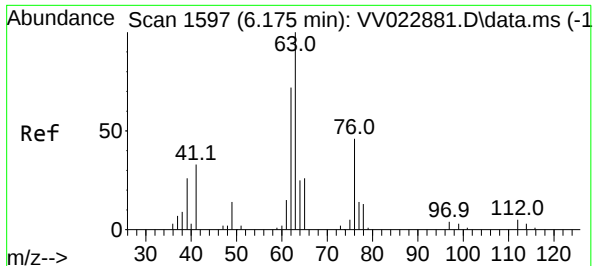
Tgt Ion: 95 Resp: 12933
Ion Ratio Lower Upper
95 100
97 67.6 45.8 85.2
132 98.5 72.2 134.0
130 103.3 73.4 136.4



#35
Methylcyclohexane
Concen: 1.048 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.061 min
Lab File: VV022891.D
Acq: 19 Oct 2021 01:29

Tgt Ion: 83 Resp: 13511
Ion Ratio Lower Upper
83 100
55 0.0 63.8 95.6#
98 0.4 42.1 63.1#

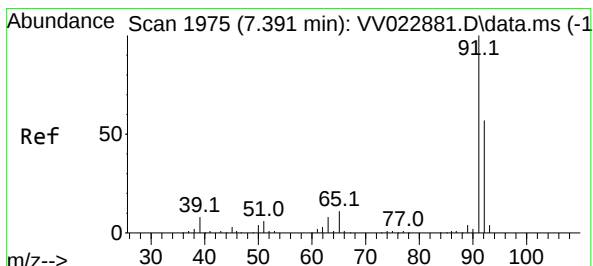
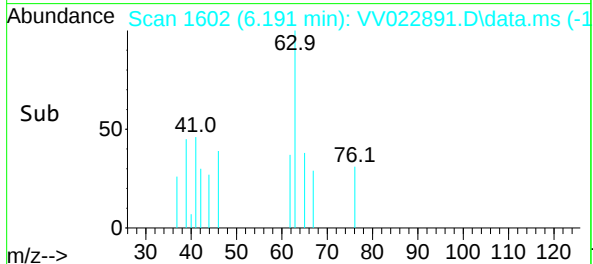
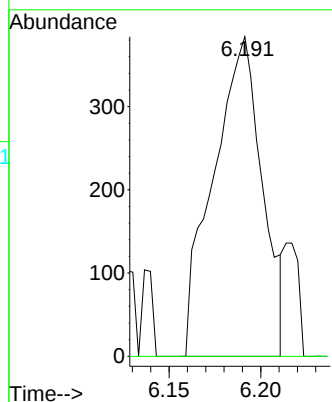
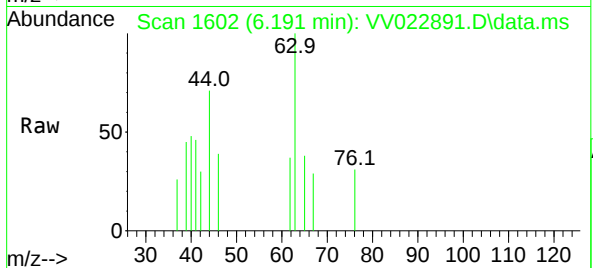




#37
1,2-Dichloropropane
Concen: 0.088 ug/L
RT: 6.191 min Scan# 1602
Delta R.T. 0.016 min
Lab File: VV022891.D
Acq: 19 Oct 2021 01:29

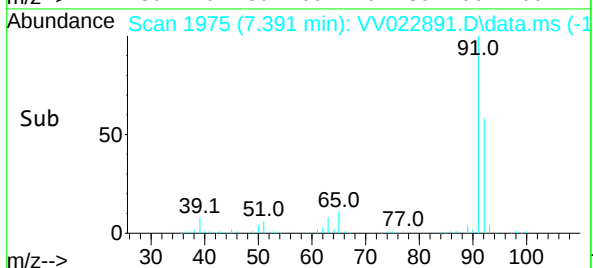
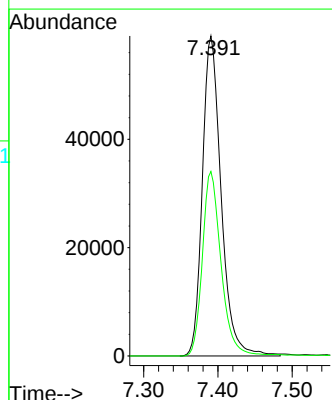
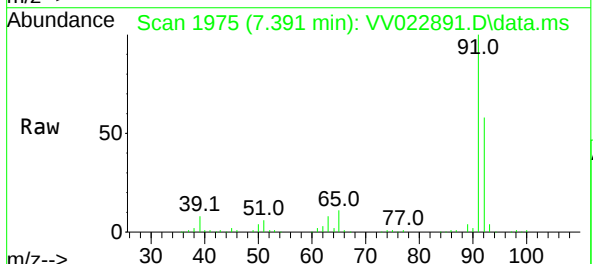
Instrument :
MSVOA_V
ClientSampled :

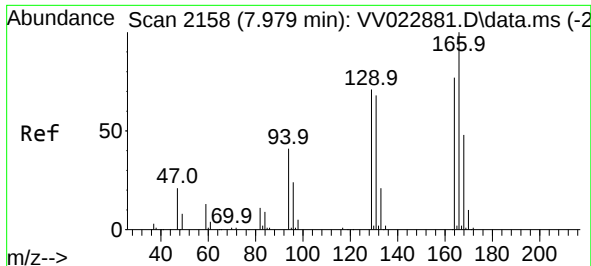
Tgt Ion: 63 Resp: 713
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#



#42
Toluene
Concen: 3.022 ug/L
RT: 7.391 min Scan# 1975
Delta R.T. -0.000 min
Lab File: VV022891.D
Acq: 19 Oct 2021 01:29

Tgt Ion: 91 Resp: 103794
Ion Ratio Lower Upper
91 100
92 57.7 40.7 75.7





#47

Tetrachloroethene

Concen: 5.040 ug/L

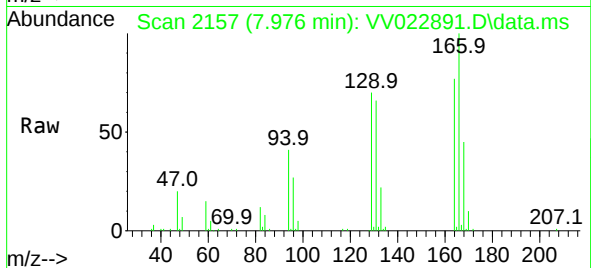
RT: 7.976 min Scan# 2157

Delta R.T. -0.003 min

Lab File: VV022891.D

Acq: 19 Oct 2021 01:29

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:164 Resp: 37497

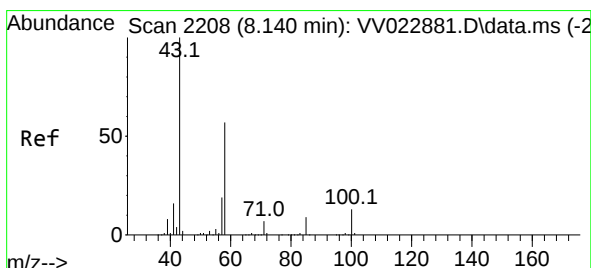
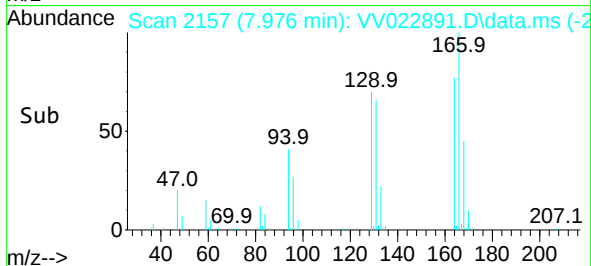
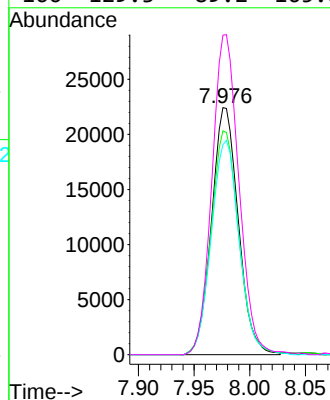
Ion Ratio Lower Upper

164 100

129 90.6 65.0 120.6

131 85.0 62.2 115.4

166 129.3 89.2 165.8



#48

2-Hexanone

Concen: 3.715 ug/L

RT: 8.092 min Scan# 2193

Delta R.T. -0.048 min

Lab File: VV022891.D

Acq: 19 Oct 2021 01:29

Tgt Ion: 43 Resp: 11876

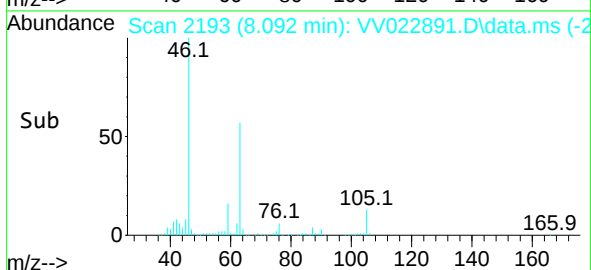
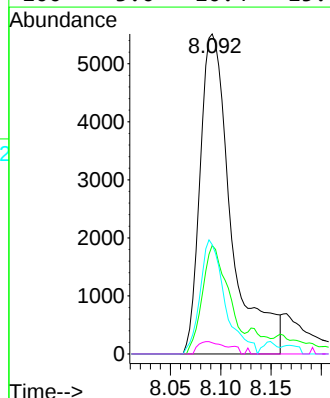
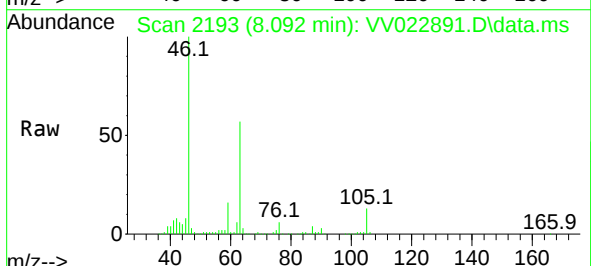
Ion Ratio Lower Upper

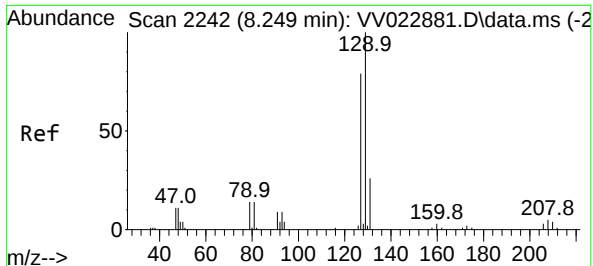
43 100

58 28.5 47.4 71.0#

57 28.5 15.3 22.9#

100 3.0 10.4 15.6#





#49

Dibromochloromethane

Concen: 4.691 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.273 min

Lab File: VV022891.D

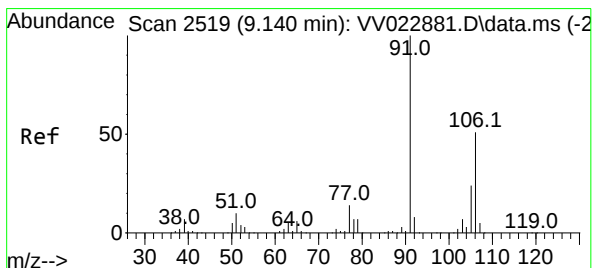
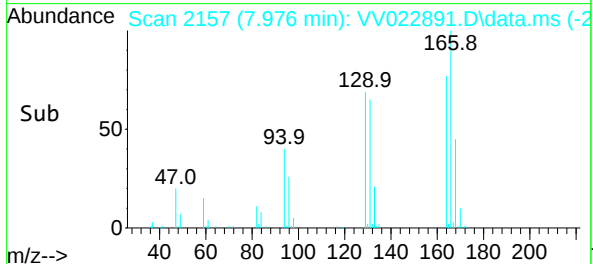
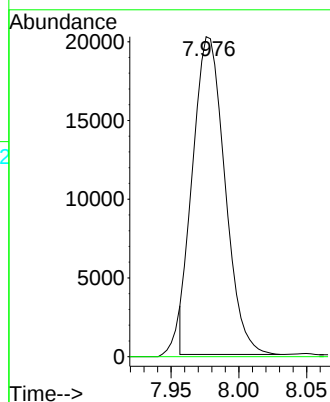
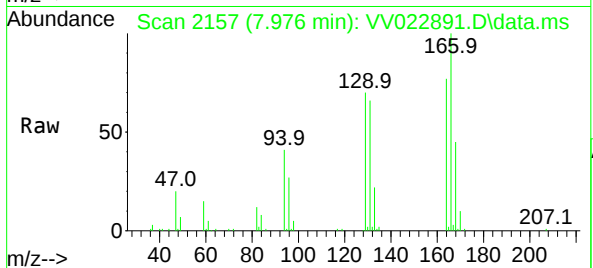
Acq: 19 Oct 2021 01:29

Tgt Ion:129 Resp: 33158

Ion Ratio Lower Upper

129 100

127 0.0 59.1 109.9#



#53

m,p-xylene

Concen: 0.127 ug/L

RT: 9.143 min Scan# 2520

Delta R.T. 0.003 min

Lab File: VV022891.D

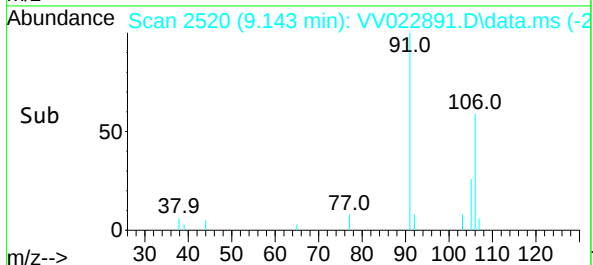
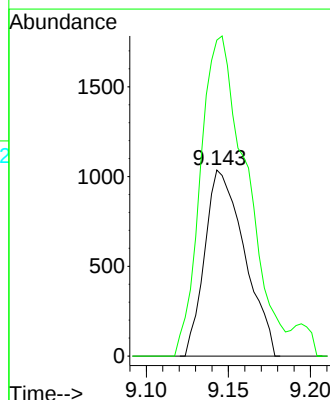
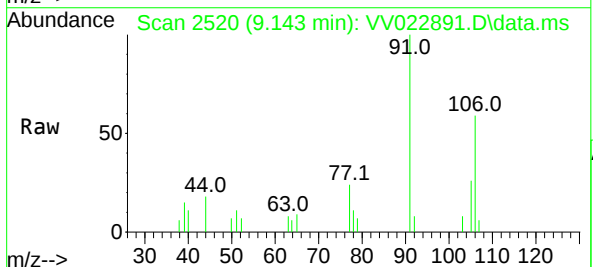
Acq: 19 Oct 2021 01:29

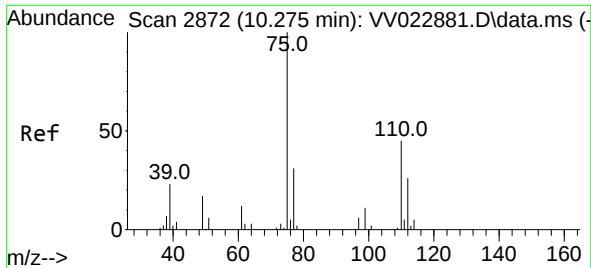
Tgt Ion:106 Resp: 1740

Ion Ratio Lower Upper

106 100

91 169.9 138.7 257.5

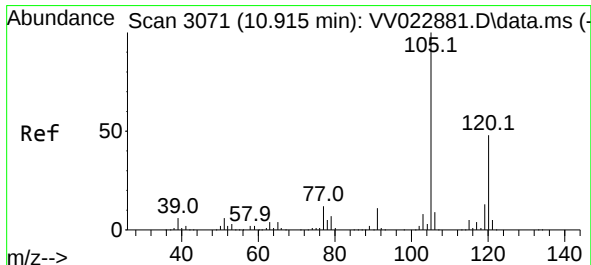
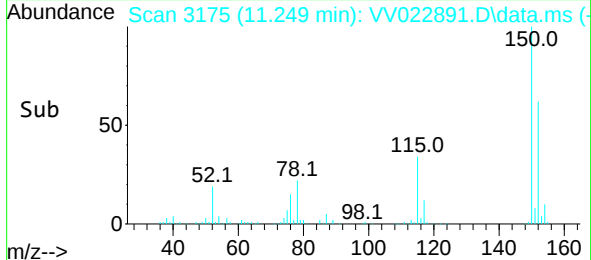
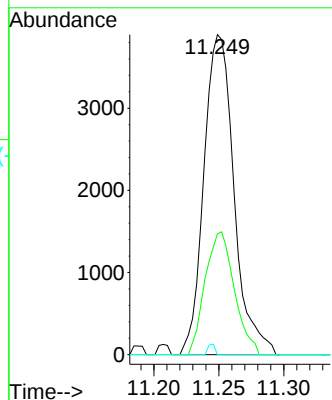
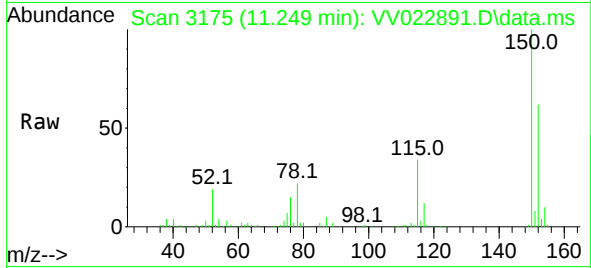




#61
1,2,3-Trichloropropane
Concen: 1.546 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV022891.D
Acq: 19 Oct 2021 01:29

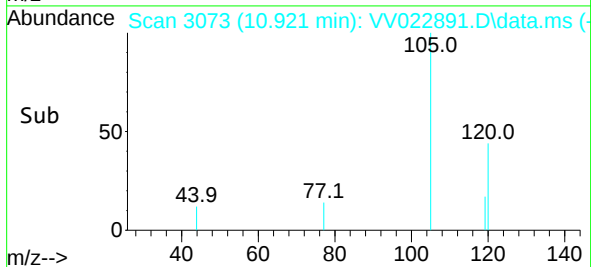
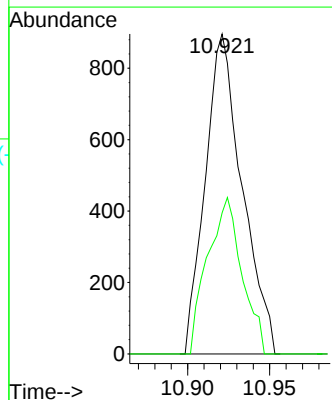
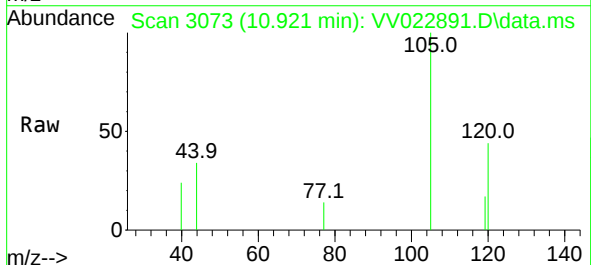
Instrument :
MSVOA_V
ClientSampled :

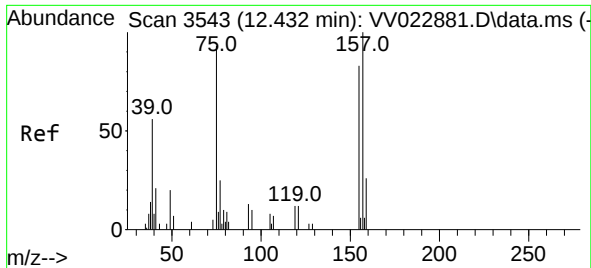
Tgt Ion: 75 Resp: 6280
Ion Ratio Lower Upper
75 100
77 37.2 25.4 38.2
110 0.7 34.2 51.4#



#63
1,2,4-Trimethylbenzene
Concen: 0.058 ug/L
RT: 10.921 min Scan# 3073
Delta R.T. 0.006 min
Lab File: VV022891.D
Acq: 19 Oct 2021 01:29

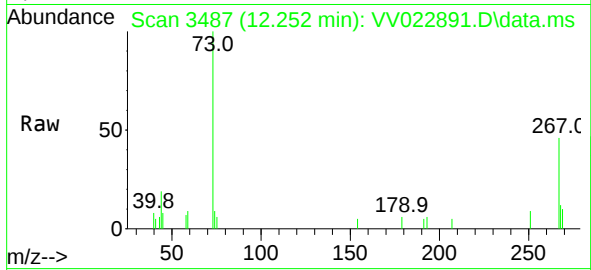
Tgt Ion: 105 Resp: 1397
Ion Ratio Lower Upper
105 100
120 45.6 37.3 55.9





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.101 ug/L
 RT: 12.252 min Scan# 3487
 Delta R.T. -0.180 min
 Lab File: VV022891.D
 Acq: 19 Oct 2021 01:29

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 75
 Ion Ratio Lower Upper
 75 100
 155 0.0 82.4 123.6#
 157 0.0 114.1 171.1#

