

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061622\
 Data File : VW026352.D
 Acq On : 16 Jun 2022 23:17
 Operator : SY/MD
 Sample : N3318-13
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGJ67

Quant Time: Jun 17 07:19:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 17 06:57:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.625	114	174927	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	169151	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	69889	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.320	65	57240	3.767	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.400%
7) Chloroethane-d5	1.584	69	50740	4.247	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.000%
11) 1,1-Dichloroethene-d2	2.130	63	330886	12.682	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	253.600%#
20) 2-Butanone-d5	3.921	46	79784	53.816	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.640%
24) Chloroform-d	4.362	84	112203	5.038	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
26) 1,2-Dichloroethane-d4	5.043	65	48375	5.135	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.600%
32) Benzene-d6	5.059	84	209631	4.636	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
36) 1,2-Dichloropropane-d6	6.075	67	69690	5.280	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.600%
41) Toluene-d8	7.320	98	168378	4.083	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.600%
43) trans-1,3-Dichloroprop...	7.628	79	14985	3.501	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.000%
46) 2-Hexanone-d5	8.091	63	66110	51.136	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.280%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	44782	5.508	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	55779	5.181	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.326	62	1604	0.106	ug/L #	1
8) Chloroethane	1.513	64	674151	71.919	ug/L #	49
10) 1,1,2-Trichloro-1,2,2-...	2.127	101	1951	0.161	ug/L #	26
12) 1,1-Dichloroethene	2.133	96	476771	43.140	ug/L #	71
14) Carbon disulfide	2.310	76	7559	0.277	ug/L	100
15) Methyl Acetate	2.461	43	1430	0.519	ug/L #	59
17) Methyl tert-butyl Ether	2.786	73	1983	0.104	ug/L #	81
18) trans-1,2-Dichloroethene	2.780	96	7934	0.740	ug/L	95
19) 1,1-Dichloroethane	3.204	63	1040609	50.909	ug/L	99
22) cis-1,2-Dichloroethene	3.924	96	168949	15.580	ug/L	98
27) 1,2-Dichloroethane	5.149	62	4411	0.437	ug/L #	90
33) Benzene	5.120	78	3579	0.083	ug/L	100
34) Trichloroethene	5.918	95	3000702	253.447	ug/L	97
35) Methylcyclohexane	6.075	83	16104	0.983	ug/L #	19
39) cis-1,3-Dichloropropene	6.992	75	1199	0.093	ug/L	83
47) Tetrachloroethene	7.979	164	13754	1.568	ug/L	96
49) Dibromochloromethane	7.979	129	13114	1.591	ug/L #	9
53) m,p-Xylene	9.149	106	654	0.037	ug/L	98
61) 1,2,3-Trichloropropane	11.246	75	8375	1.847	ug/L #	67

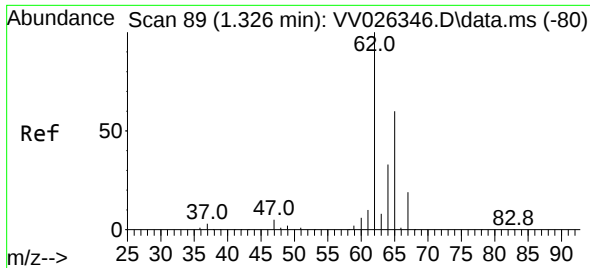
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061622\
Data File : VV026352.D
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

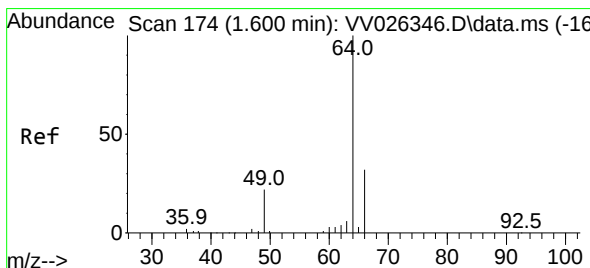
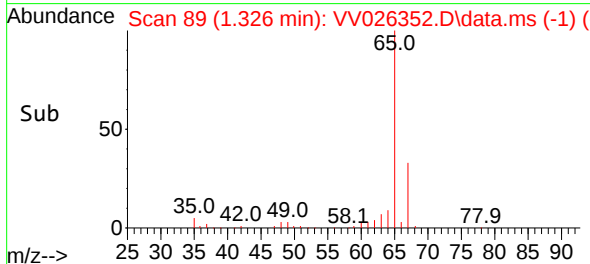
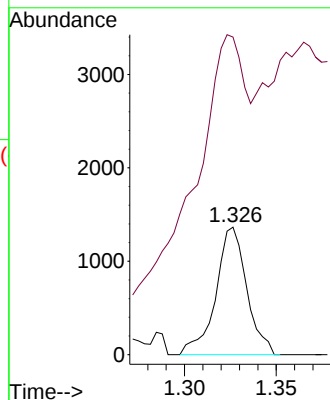
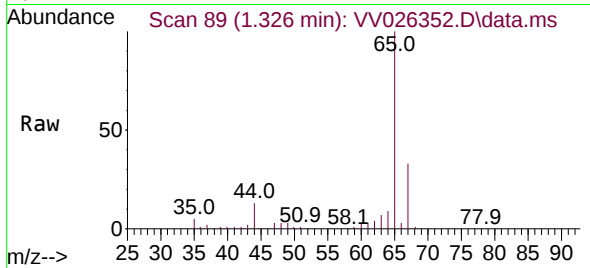
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 0.106 ug/L
 RT: 1.326 min Scan# 89
 Delta R.T. -0.000 min
 Lab File: VV026352.D
 Acq: 16 Jun 2022 23:17

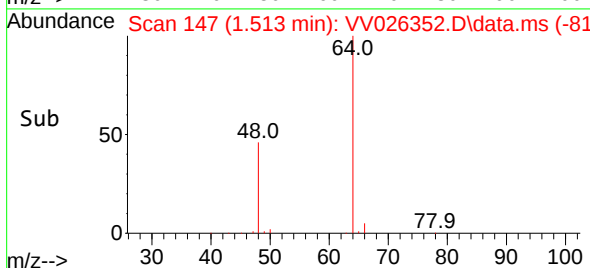
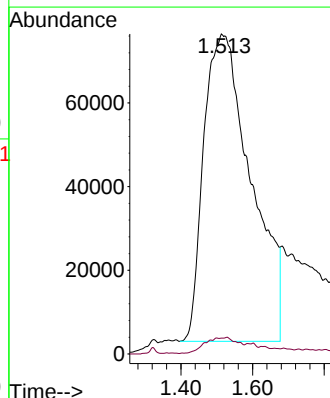
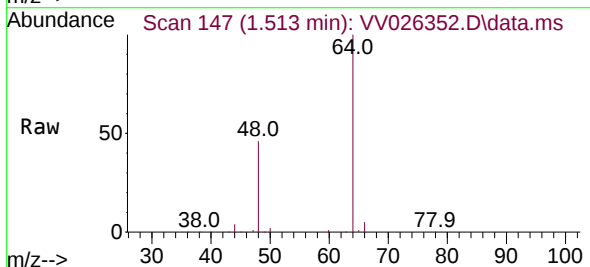
Instrument :
 MSVOA_V
 ClientSampleId :
 BGJ67

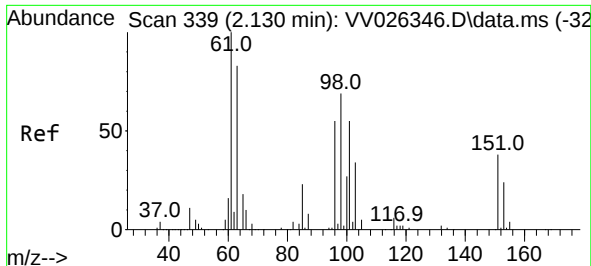
Tgt Ion: 62 Resp: 1604
 Ion Ratio Lower Upper
 62 100
 64 248.9 23.2 43.2#



#8
 Chloroethane
 Concen: 71.919 ug/L
 RT: 1.513 min Scan# 147
 Delta R.T. -0.087 min
 Lab File: VV026352.D
 Acq: 16 Jun 2022 23:17

Tgt Ion: 64 Resp: 674151
 Ion Ratio Lower Upper
 64 100
 66 5.0 24.1 44.7#

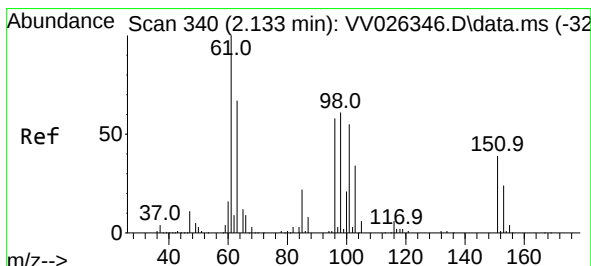
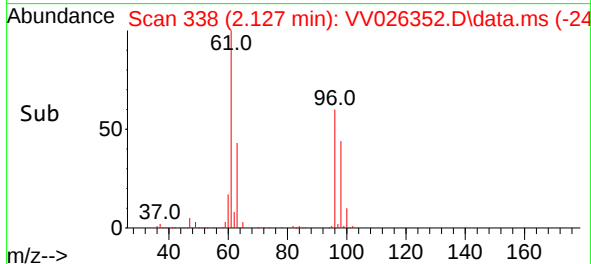
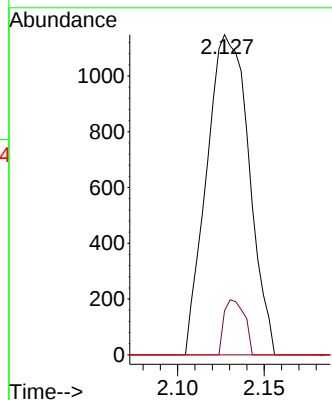
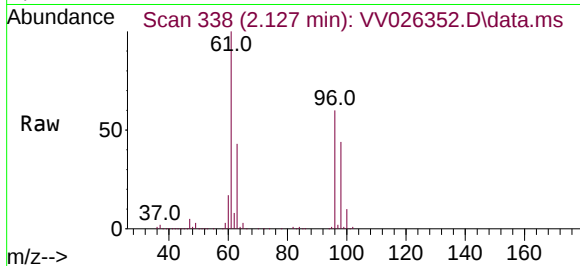




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.161 ug/L
 RT: 2.127 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV026352.D
 Acq: 16 Jun 2022 23:17

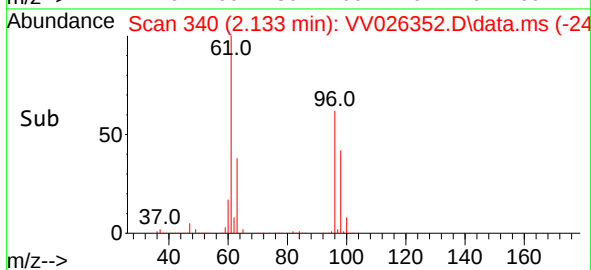
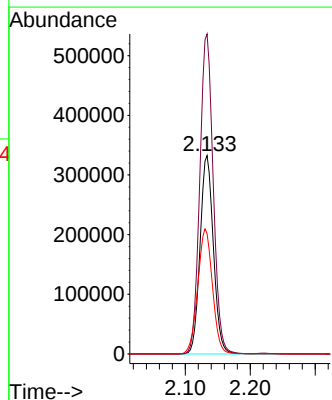
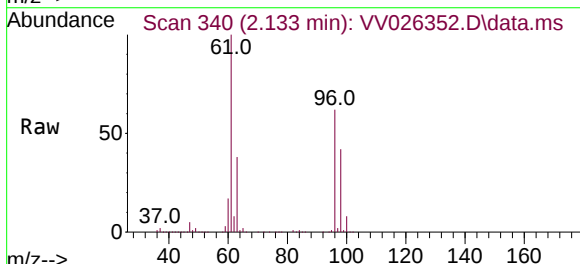
Instrument :
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 ClientSampleId :
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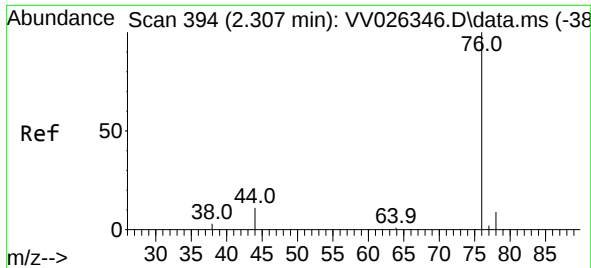
Tgt Ion:101 Resp: 1951
 Ion Ratio Lower Upper
 101 100
 85 8.3 35.3 52.9#
 151 0.0 56.8 85.2#



#12
 1,1-Dichloroethene
 Concen: 43.140 ug/L
 RT: 2.133 min Scan# 340
 Delta R.T. -0.000 min
 Lab File: VV026352.D
 Acq: 16 Jun 2022 23:17

Tgt Ion: 96 Resp: 476771
 Ion Ratio Lower Upper
 96 100
 61 161.3 117.1 217.5
 63 60.6 92.8 172.4#

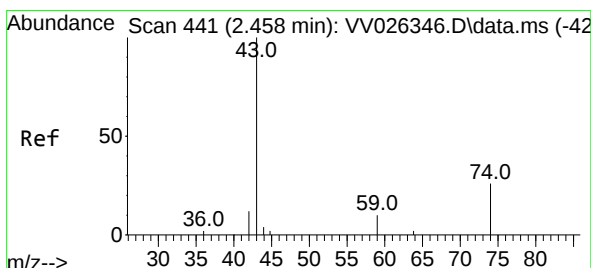
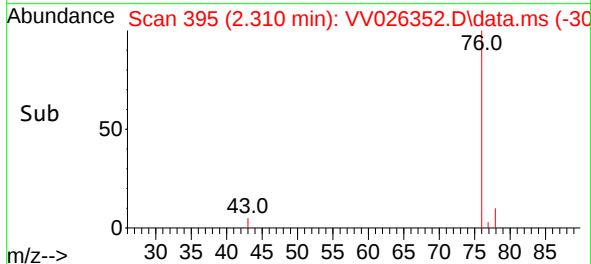
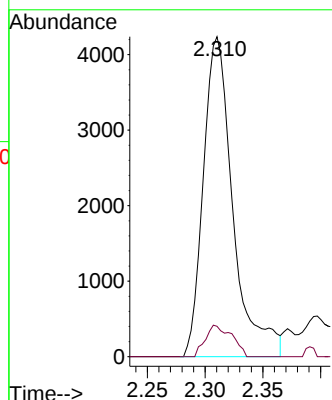
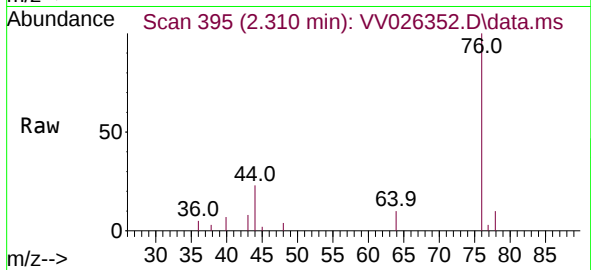




#14
Carbon disulfide
Concen: 0.277 ug/L
RT: 2.310 min Scan# 394
Delta R.T. 0.003 min
Lab File: VV026352.D
Acq: 16 Jun 2022 23:17

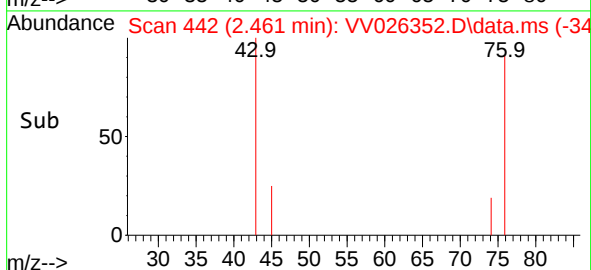
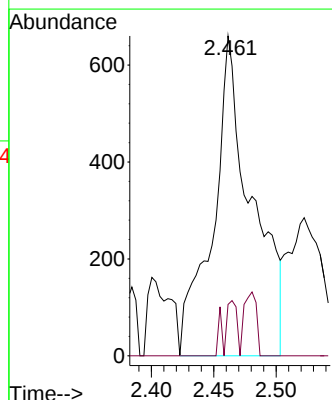
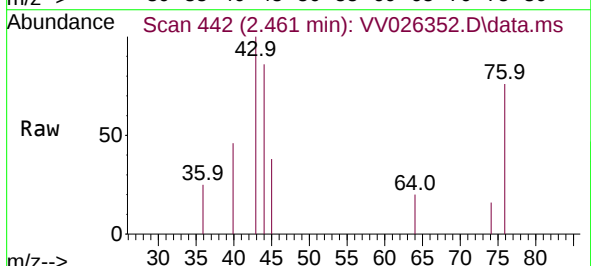
Instrument :
MSVOA_V
ClientSampleId :
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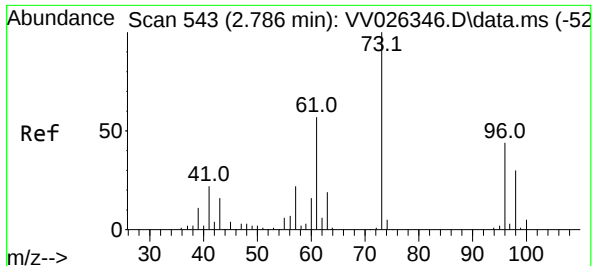
Tgt Ion: 76 Resp: 7559
Ion Ratio Lower Upper
76 100
78 9.5 7.7 11.5



#15
Methyl Acetate
Concen: 0.519 ug/L
RT: 2.461 min Scan# 442
Delta R.T. 0.003 min
Lab File: VV026352.D
Acq: 16 Jun 2022 23:17

Tgt Ion: 43 Resp: 1430
Ion Ratio Lower Upper
43 100
74 5.7 21.4 32.0#





#17

Methyl tert-butyl Ether

Concen: 0.104 ug/L

RT: 2.786 min Scan# 541

Delta R.T. -0.000 min

Lab File: VV026352.D

Acq: 16 Jun 2022 23:17

Instrument :

MSVOA_V

ClientSampleId :

BGJ67

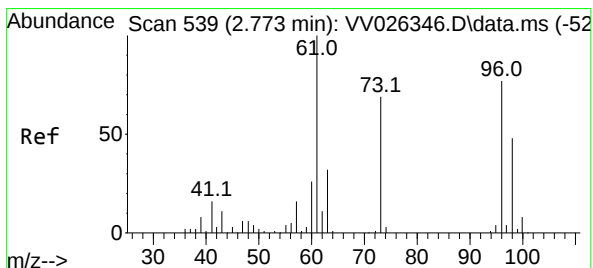
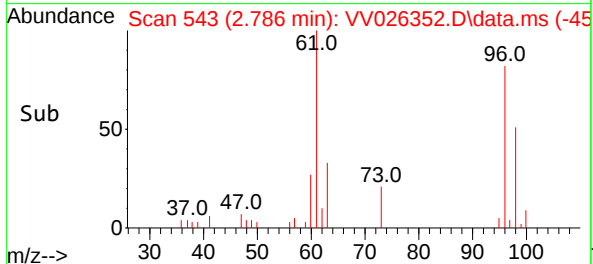
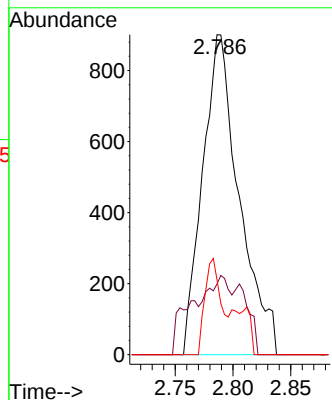
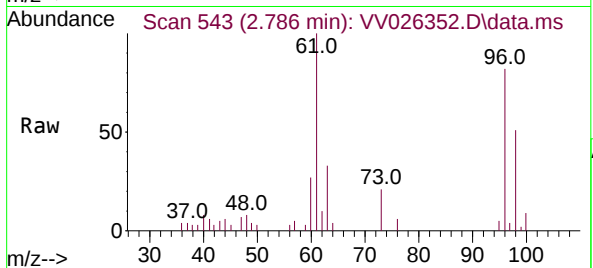
Tgt Ion: 73 Resp: 1983

Ion Ratio Lower Upper

73 100

43 7.0 13.0 19.6#

57 13.6 17.6 26.4#



#18

trans-1,2-Dichloroethene

Concen: 0.740 ug/L

RT: 2.780 min Scan# 541

Delta R.T. 0.006 min

Lab File: VV026352.D

Acq: 16 Jun 2022 23:17

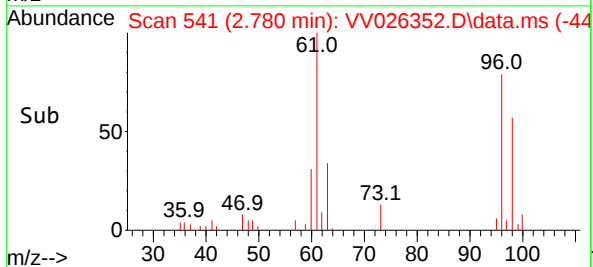
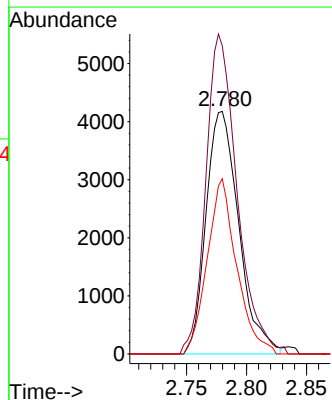
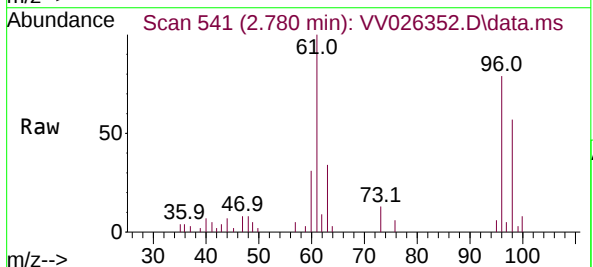
Tgt Ion: 96 Resp: 7934

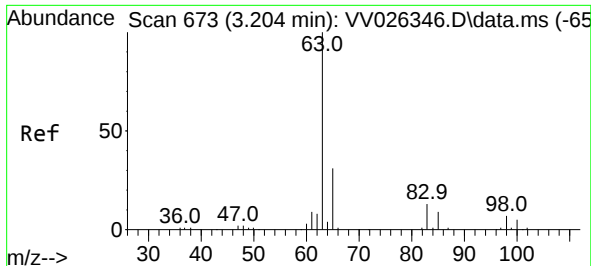
Ion Ratio Lower Upper

96 100

61 127.0 91.3 169.6

98 72.2 45.3 84.1





#19

1,1-Dichloroethane

Concen: 50.909 ug/L

RT: 3.204 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV026352.D

Acq: 16 Jun 2022 23:17

Instrument :

MSVOA_V

ClientSampleId :

BGJ67

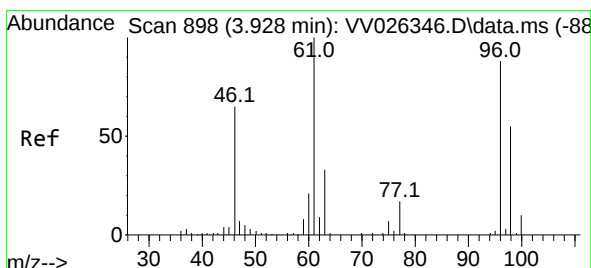
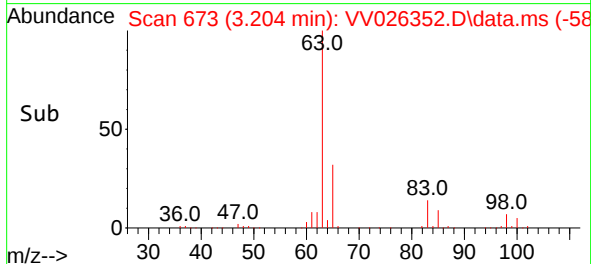
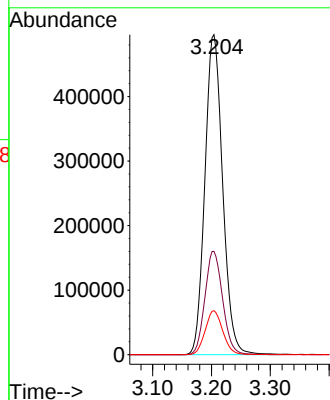
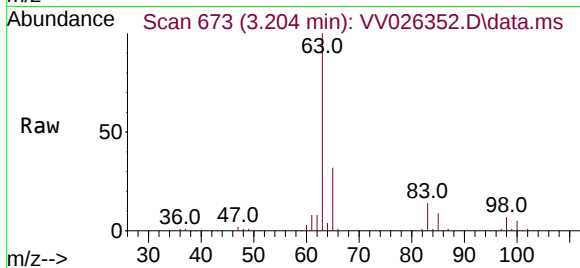
Tgt Ion: 63 Resp: 1040609

Ion Ratio Lower Upper

63 100

65 32.3 22.3 41.3

83 13.7 8.9 16.5



#22

cis-1,2-Dichloroethene

Concen: 15.580 ug/L

RT: 3.924 min Scan# 897

Delta R.T. -0.003 min

Lab File: VV026352.D

Acq: 16 Jun 2022 23:17

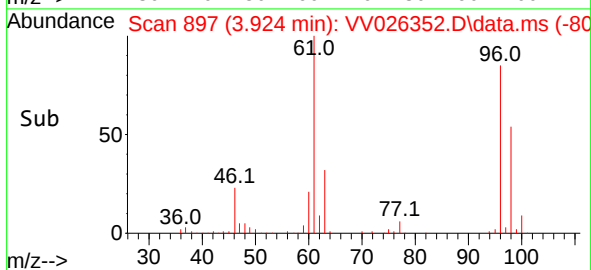
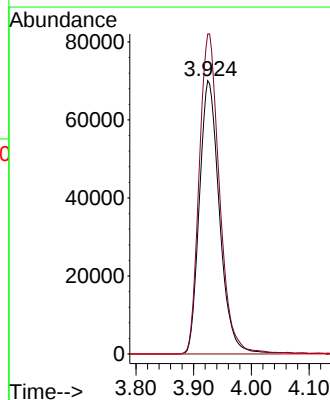
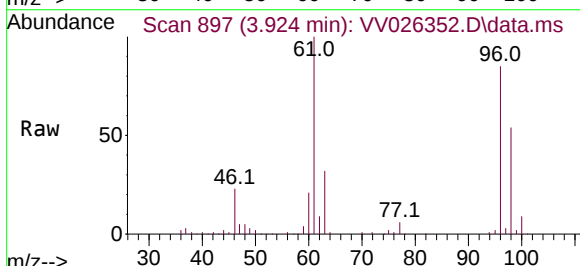
Tgt Ion: 96 Resp: 168949

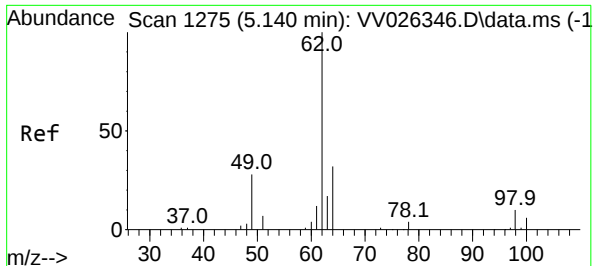
Ion Ratio Lower Upper

96 100

61 117.1 83.6 155.2

68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.437 ug/L

RT: 5.149 min Scan# 11

Delta R.T. 0.010 min

Lab File: VV026352.D

Acq: 16 Jun 2022 23:17

Instrument :

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ClientSampleId :

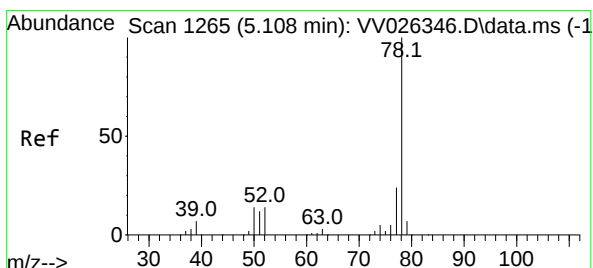
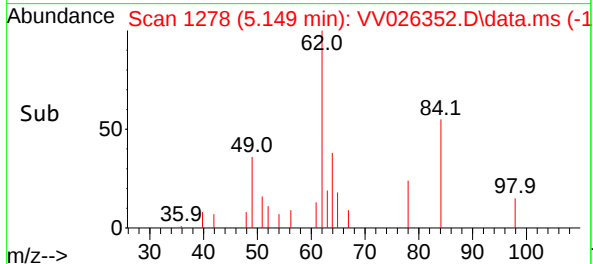
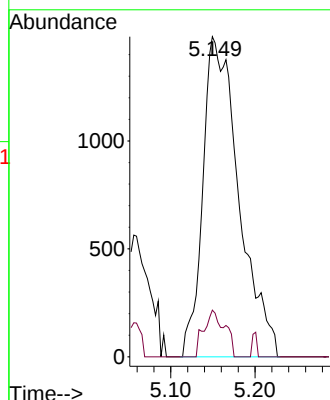
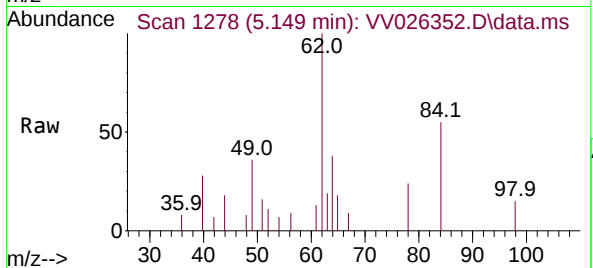
BGJ67

Tgt Ion: 62 Resp: 4411

Ion Ratio Lower Upper

62 100

98 14.6 8.6 13.0#



#33

Benzene

Concen: 0.083 ug/L

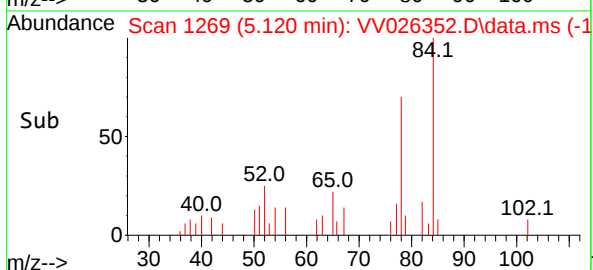
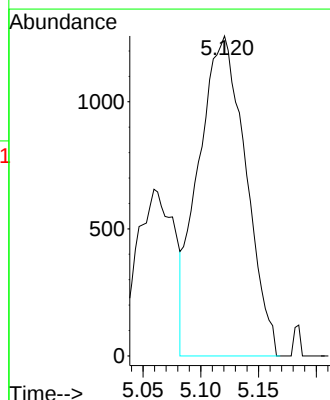
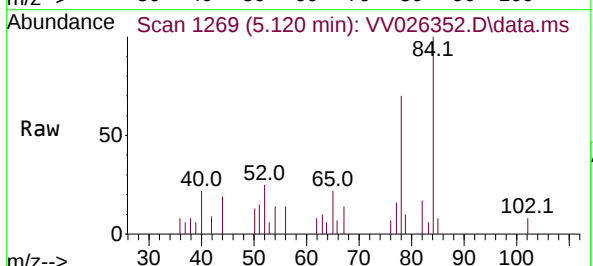
RT: 5.120 min Scan# 1269

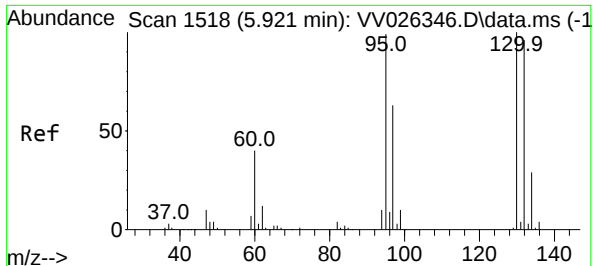
Delta R.T. 0.013 min

Lab File: VV026352.D

Acq: 16 Jun 2022 23:17

Tgt Ion: 78 Resp: 3579





#34

Trichloroethene

Concen: 253.447 ug/L

RT: 5.918 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV026352.D

Acq: 16 Jun 2022 23:17

Instrument :

MSVOA_V

ClientSampleId :

BGJ67

Tgt Ion: 95 Resp: 3000702

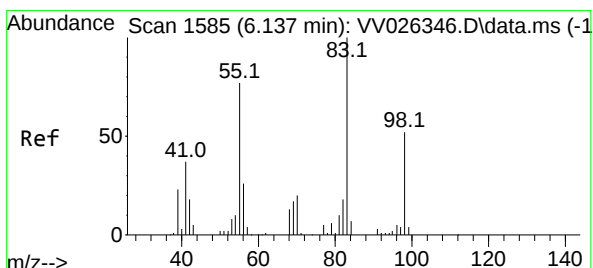
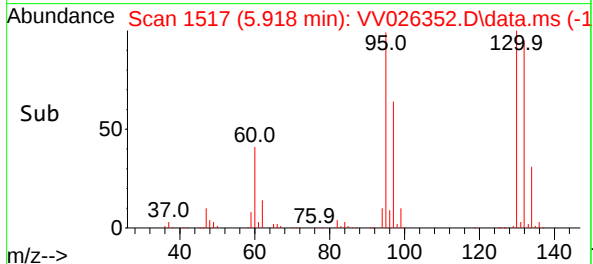
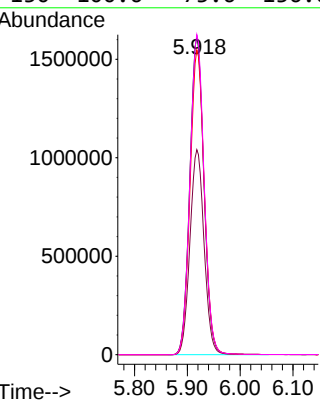
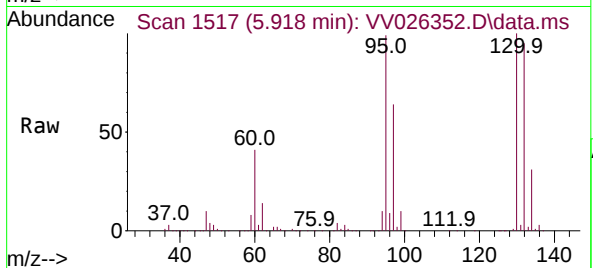
Ion Ratio Lower Upper

95 100

97 64.5 46.5 86.3

132 95.9 68.8 127.8

130 100.6 73.6 136.6



#35

Methylcyclohexane

Concen: 0.983 ug/L

RT: 6.075 min Scan# 1566

Delta R.T. -0.061 min

Lab File: VV026352.D

Acq: 16 Jun 2022 23:17

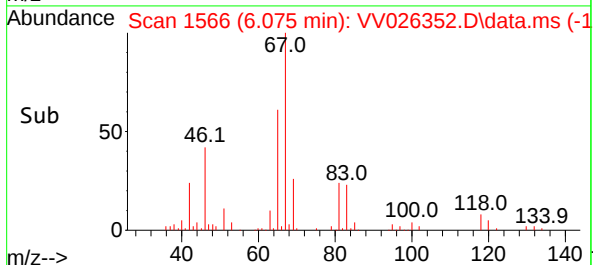
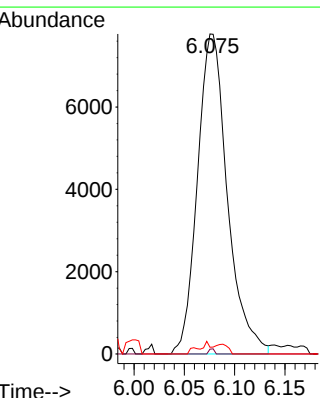
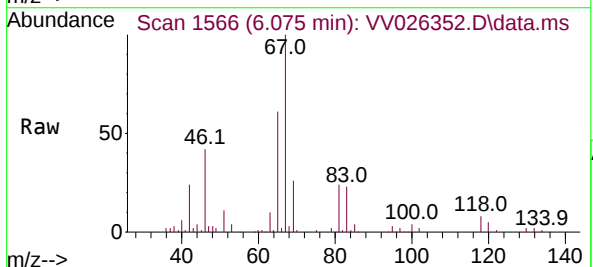
Tgt Ion: 83 Resp: 16104

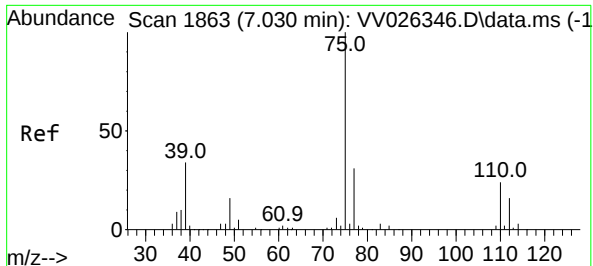
Ion Ratio Lower Upper

83 100

55 0.3 59.3 88.9#

98 0.0 39.9 59.9#





#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 6.992 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV026352.D

Acq: 16 Jun 2022 23:17

Instrument :

MSVOA_V

ClientSampleId :

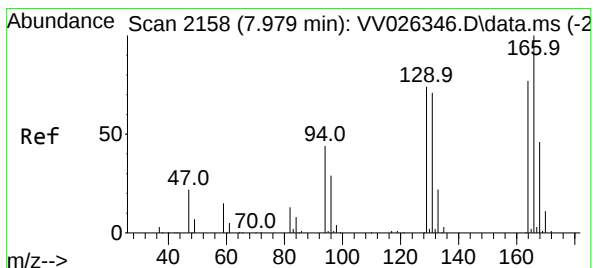
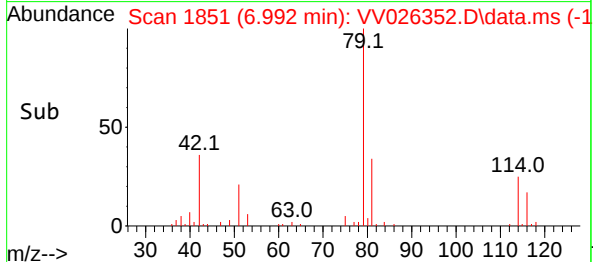
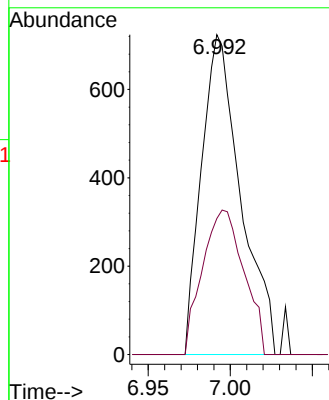
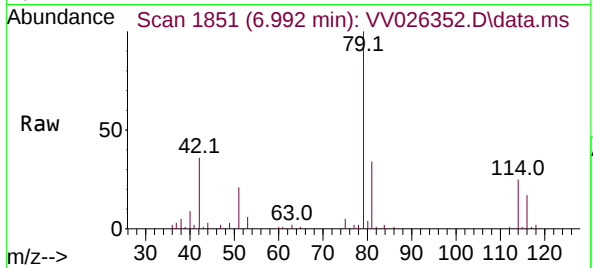
BGJ67

Tgt Ion: 75 Resp: 1199

Ion Ratio Lower Upper

75 100

77 42.5 23.0 42.6



#47

Tetrachloroethene

Concen: 1.568 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.000 min

Lab File: VV026352.D

Acq: 16 Jun 2022 23:17

Tgt Ion: 164 Resp: 13754

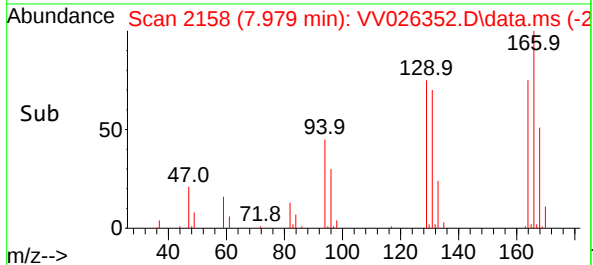
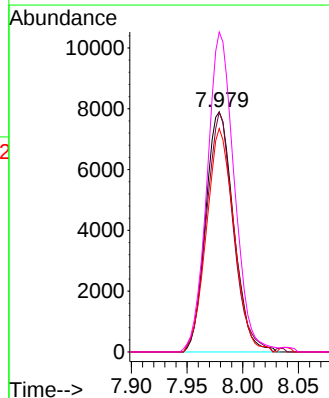
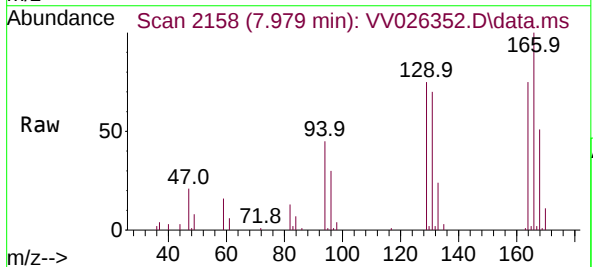
Ion Ratio Lower Upper

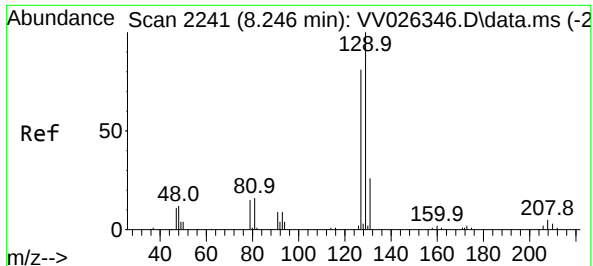
164 100

129 99.9 67.5 125.3

131 93.0 63.8 118.4

166 133.3 89.5 166.3





#49

Dibromochloromethane

Concen: 1.591 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.267 min

Lab File: VV026352.D

Acq: 16 Jun 2022 23:17

Instrument :

MSVOA_V

ClientSampleId :

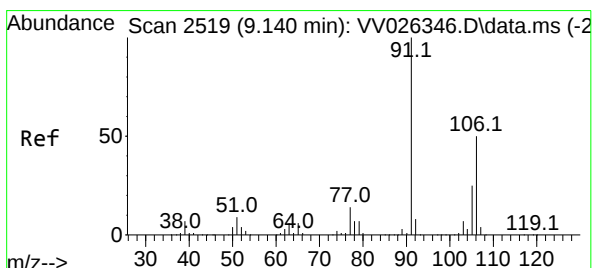
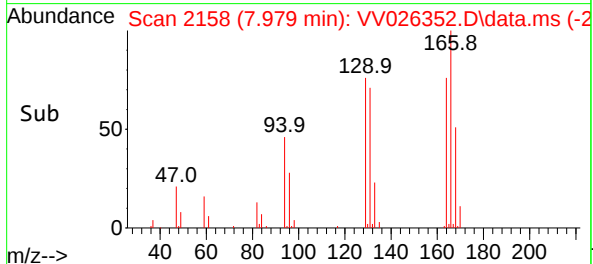
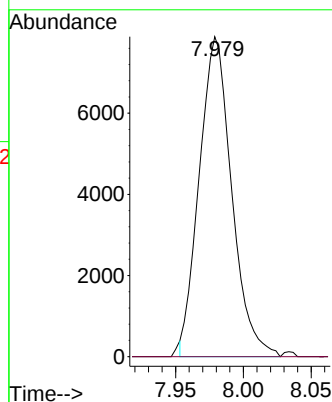
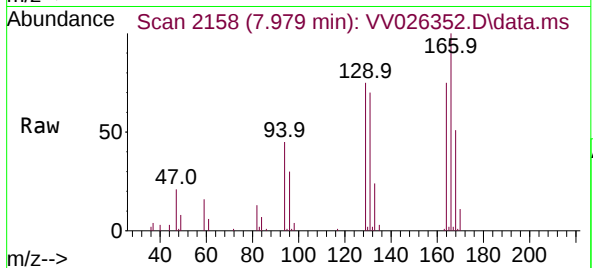
BGJ67

Tgt Ion:129 Resp: 13114

Ion Ratio Lower Upper

129 100

127 0.0 56.4 104.7#



#53

m,p-Xylene

Concen: 0.037 ug/L

RT: 9.149 min Scan# 2522

Delta R.T. 0.010 min

Lab File: VV026352.D

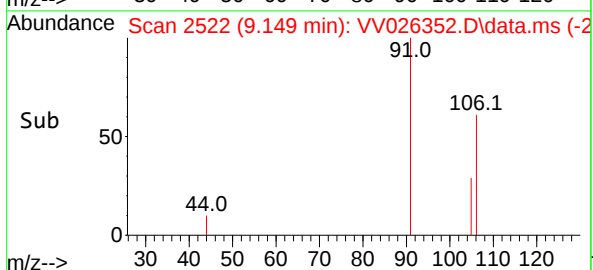
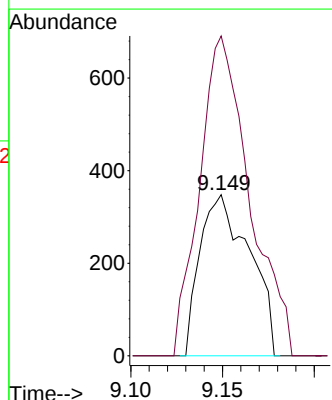
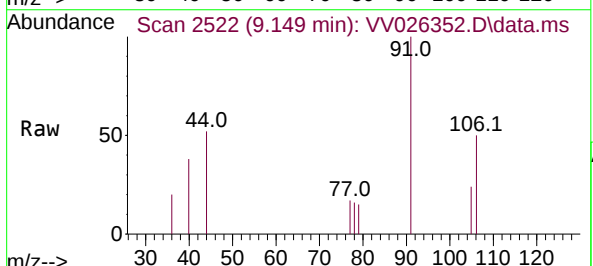
Acq: 16 Jun 2022 23:17

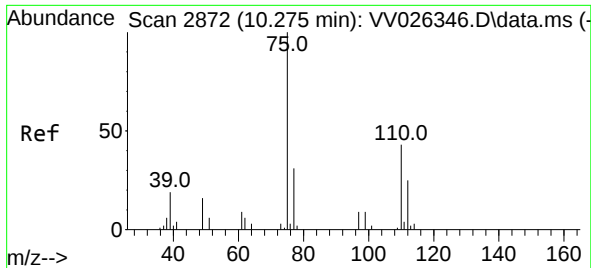
Tgt Ion:106 Resp: 654

Ion Ratio Lower Upper

106 100

91 198.6 141.3 262.3





#61
 1,2,3-Trichloropropane
 Concen: 1.847 ug/L
 RT: 11.246 min Scan# 31
 Delta R.T. 0.971 min
 Lab File: VV026352.D
 Acq: 16 Jun 2022 23:17

Instrument :
 MSVOA_V
 ClientSampleId :
 BGJ67

Tgt Ion: 75	Resp:	8375
Ion	Ratio	Lower Upper
75	100	
77	31.8	26.9 40.3
110	2.5	30.7 46.1#

