

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061622\
 Data File : VW026357.D
 Acq On : 17 Jun 2022 01:16
 Operator : SY/MD
 Sample : N3318-19
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGJ73

Quant Time: Jun 17 07:21:14 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	192588	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	181067	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	75257	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.320	65	59503	3.557	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.200%
7) Chloroethane-d5	1.584	69	54498	4.143	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.800%
11) 1,1-Dichloroethene-d2	2.130	63	309500	10.774	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	215.400%#
20) 2-Butanone-d5	3.921	46	90674	55.553	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.100%
24) Chloroform-d	4.362	84	117759	4.803	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
26) 1,2-Dichloroethane-d4	5.043	65	50586	4.877	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.060	84	223595	4.619	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
36) 1,2-Dichloropropane-d6	6.076	67	72753	5.149	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.000%
41) Toluene-d8	7.320	98	180631	4.092	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.800%
43) trans-1,3-Dichloroprop...	7.632	79	14464	3.157	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.200%
46) 2-Hexanone-d5	8.092	63	64654	46.719	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.440%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	45014	5.172	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	59293	5.115	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.323	62	6188	0.372	ug/L #	1
8) Chloroethane	1.523	64	422182	40.908	ug/L #	49
10) 1,1,2-Trichloro-1,2,2-...	2.124	101	1805	0.136	ug/L #	28
12) 1,1-Dichloroethene	2.134	96	420642	34.571	ug/L #	72
13) Acetone	2.220	43	8703	6.880	ug/L	100
14) Carbon disulfide	2.310	76	9653	0.322	ug/L	100
15) Methyl Acetate	2.468	43	1518	0.500	ug/L #	80
16) Methylene chloride	2.523	84	7241	0.466	ug/L	92
17) Methyl tert-butyl Ether	2.786	73	14667	0.701	ug/L #	92
18) trans-1,2-Dichloroethene	2.780	96	3113	0.264	ug/L	88
19) 1,1-Dichloroethane	3.201	63	1303918	57.940	ug/L	99
21) 2-Butanone	4.024	43	3831	2.341	ug/L	95
22) cis-1,2-Dichloroethene	3.928	96	116525	9.760	ug/L	100
27) 1,2-Dichloroethane	5.150	62	5787	0.521	ug/L	95
33) Benzene	5.114	78	8316	0.179	ug/L	100
34) Trichloroethene	5.918	95	1115138	87.989	ug/L	97
35) Methylcyclohexane	6.076	83	17696	1.009	ug/L #	18
37) 1,2-Dichloropropane	6.188	63	1827	0.150	ug/L #	91
42) Toluene	7.400	91	10060	0.206	ug/L	94

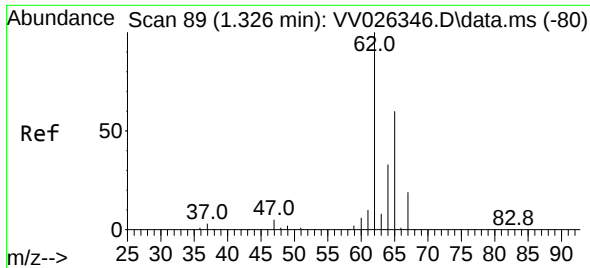
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061622\
Data File : VW026357.D
Acq On : 17 Jun 2022 01:16
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jun 17 06:57:04 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	7.982	164	2105	0.224	ug/L	82
49) Dibromochloromethane	7.982	129	1867	0.212	ug/L #	9
53) m,p-Xylene	9.146	106	1280	0.067	ug/L	97
61) 1,2,3-Trichloropropane	11.246	75	8910	1.825	ug/L #	67

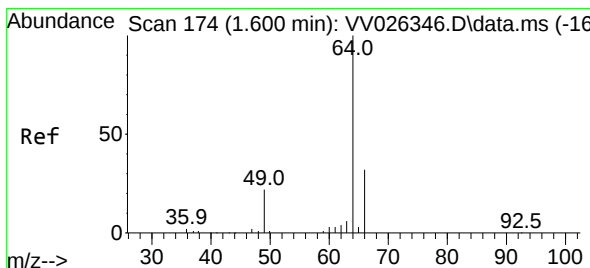
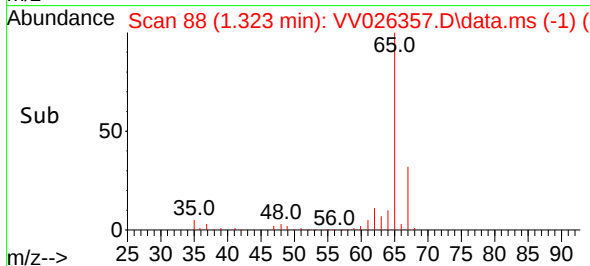
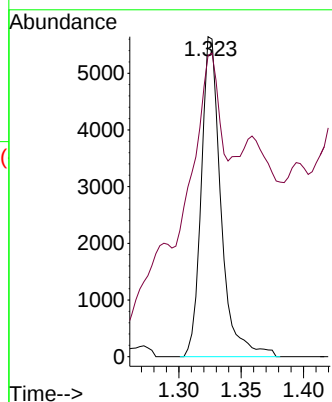
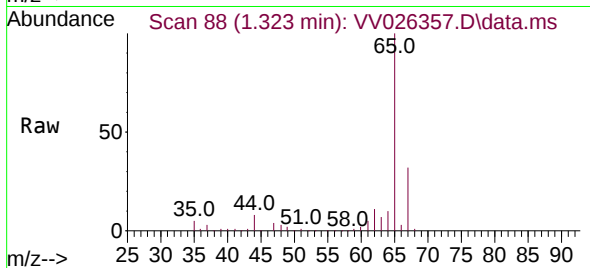
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 0.372 ug/L
 RT: 1.323 min Scan# 89
 Delta R.T. -0.003 min
 Lab File: VV026357.D
 Acq: 17 Jun 2022 01:16

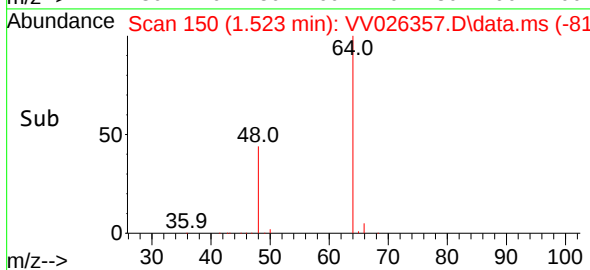
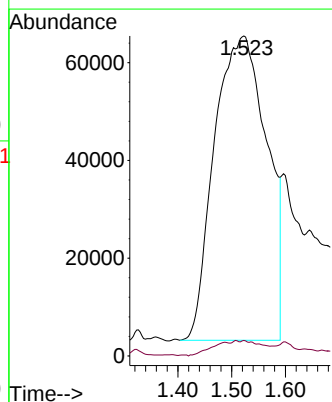
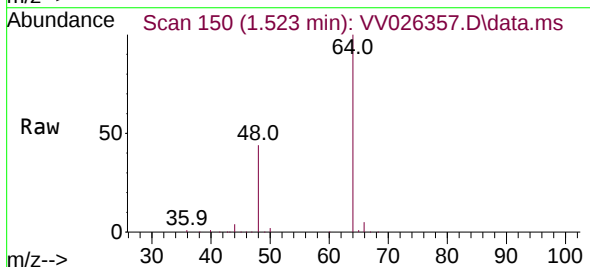
Instrument :
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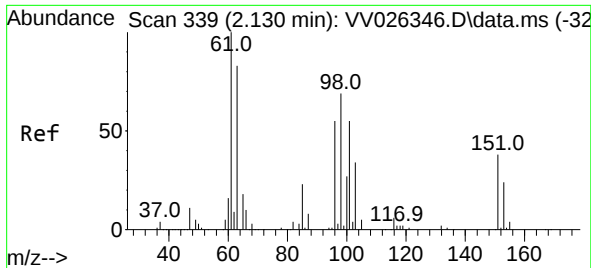
Tgt Ion: 62 Resp: 6188
 Ion Ratio Lower Upper
 62 100
 64 94.1 23.2 43.2#



#8
 Chloroethane
 Concen: 40.908 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. -0.077 min
 Lab File: VV026357.D
 Acq: 17 Jun 2022 01:16

Tgt Ion: 64 Resp: 422182
 Ion Ratio Lower Upper
 64 100
 66 4.9 24.1 44.7#

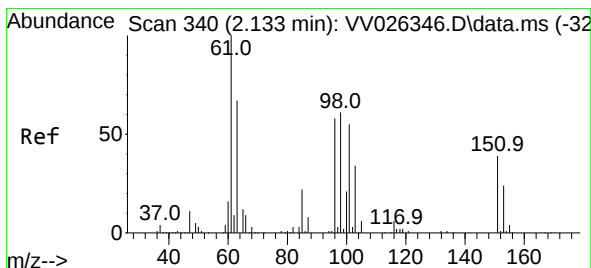
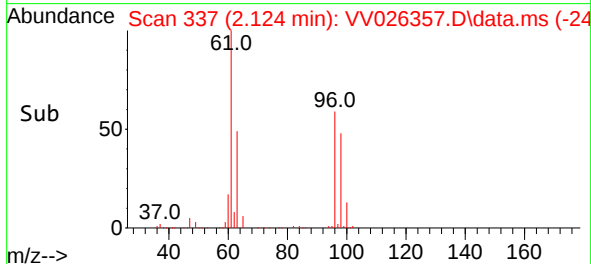
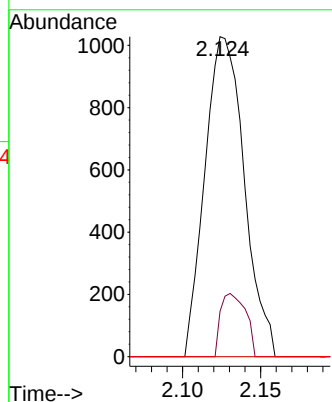
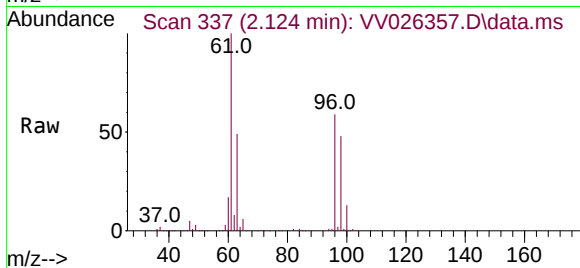




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.136 ug/L
 RT: 2.124 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: VV026357.D
 Acq: 17 Jun 2022 01:16

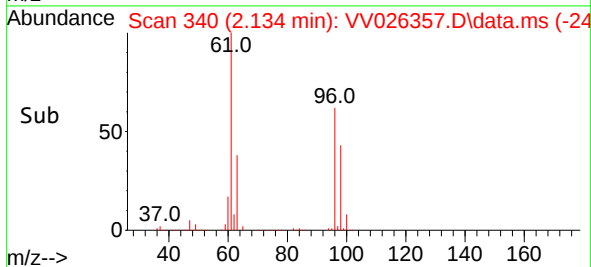
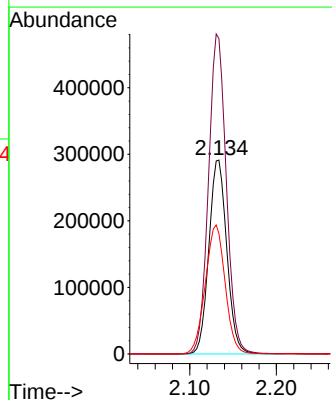
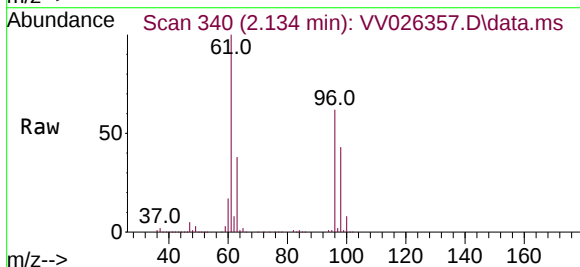
Instrument :
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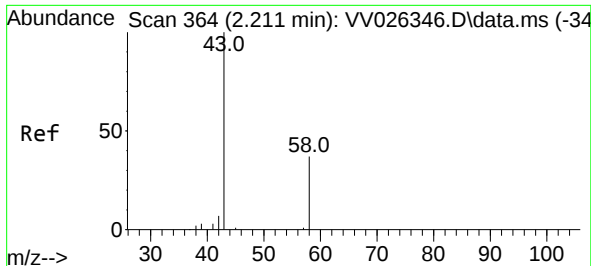
Tgt Ion:101 Resp: 1805
 Ion Ratio Lower Upper
 101 100
 85 12.5 35.3 52.9#
 151 0.0 56.8 85.2#



#12
 1,1-Dichloroethene
 Concen: 34.571 ug/L
 RT: 2.134 min Scan# 340
 Delta R.T. 0.000 min
 Lab File: VV026357.D
 Acq: 17 Jun 2022 01:16

Tgt Ion: 96 Resp: 420642
 Ion Ratio Lower Upper
 96 100
 61 162.6 117.1 217.5
 63 62.1 92.8 172.4#





#13

Acetone

Concen: 6.880 ug/L

RT: 2.220 min Scan# 3

Delta R.T. 0.010 min

Lab File: VV026357.D

Acq: 17 Jun 2022 01:16

Instrument :

MSVOA_V

ClientSampleId :

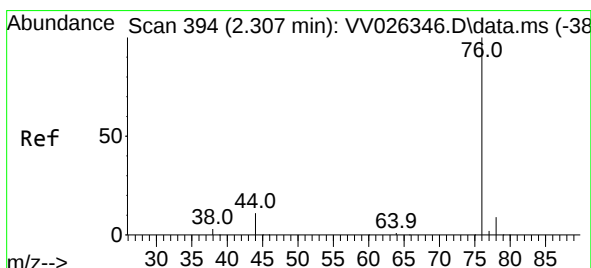
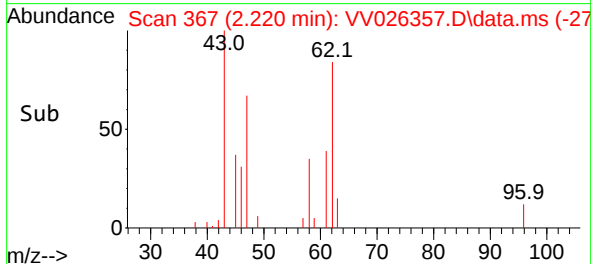
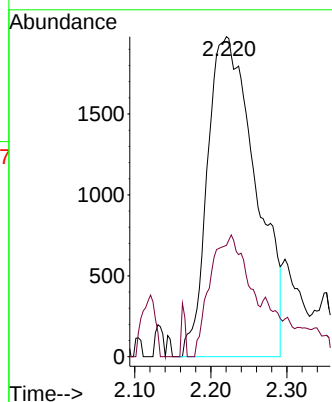
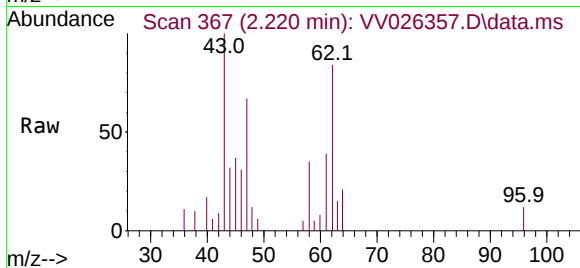
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Tgt Ion: 43 Resp: 8703

Ion Ratio Lower Upper

43 100

58 30.3 0.0 60.0



#14

Carbon disulfide

Concen: 0.322 ug/L

RT: 2.310 min Scan# 395

Delta R.T. 0.003 min

Lab File: VV026357.D

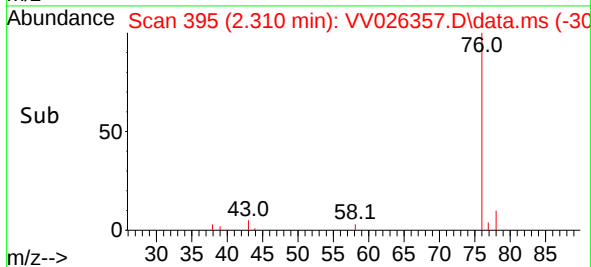
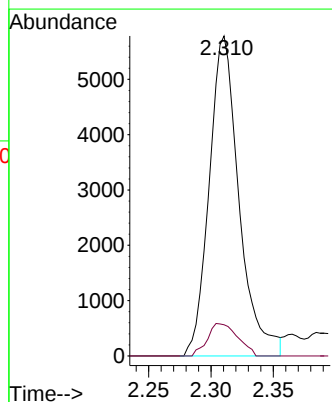
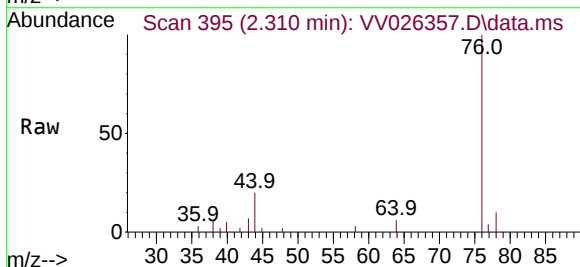
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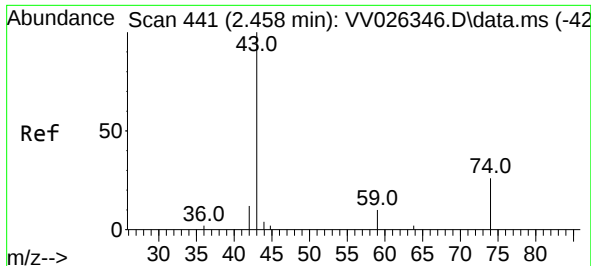
Tgt Ion: 76 Resp: 9653

Ion Ratio Lower Upper

76 100

78 9.7 7.7 11.5

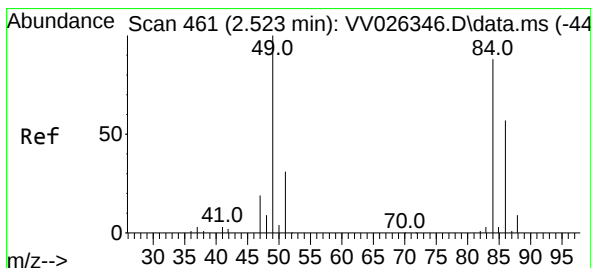
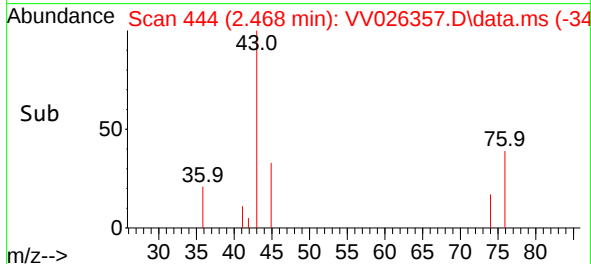
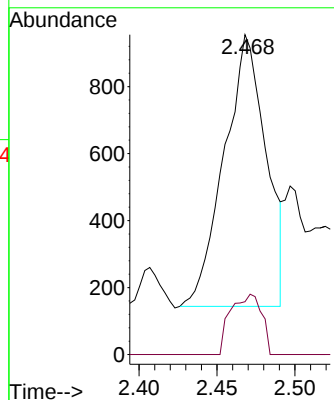
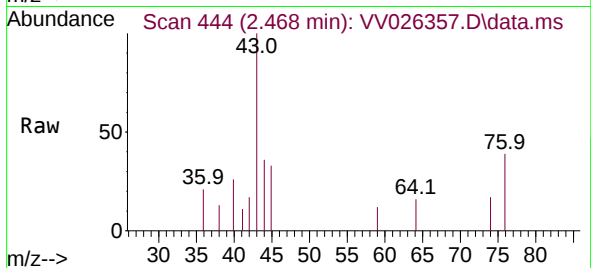




#15
Methyl Acetate
Concen: 0.500 ug/L
RT: 2.468 min Scan# 441
Delta R.T. 0.010 min
Lab File: VV026357.D
Acq: 17 Jun 2022 01:16

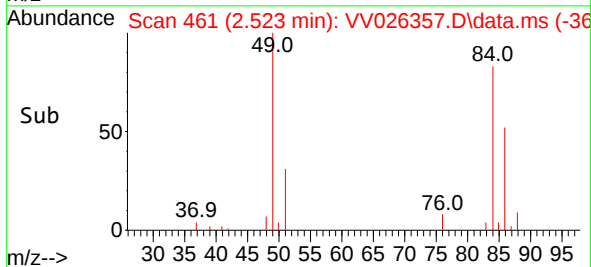
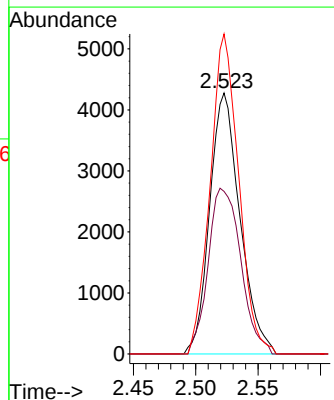
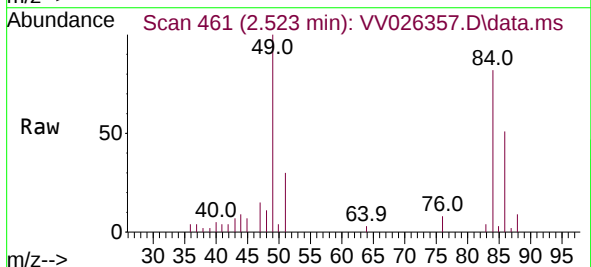
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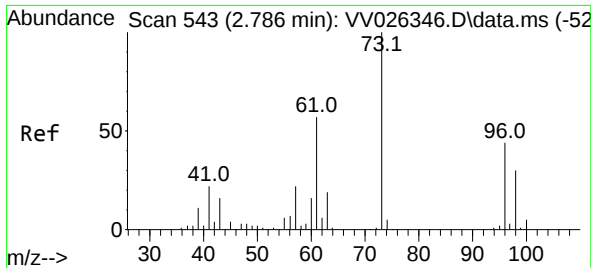
Tgt Ion: 43 Resp: 1518
Ion Ratio Lower Upper
43 100
74 16.4 21.4 32.0#



#16
Methylene chloride
Concen: 0.466 ug/L
RT: 2.523 min Scan# 461
Delta R.T. 0.000 min
Lab File: VV026357.D
Acq: 17 Jun 2022 01:16

Tgt Ion: 84 Resp: 7241
Ion Ratio Lower Upper
84 100
86 62.3 44.0 81.8
49 122.6 77.3 143.7

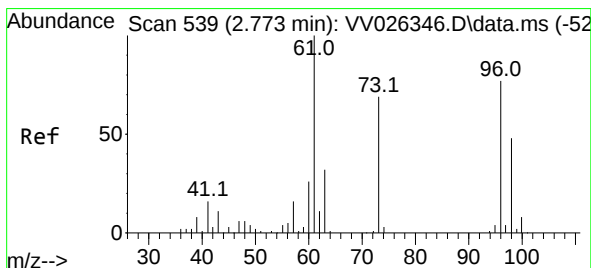
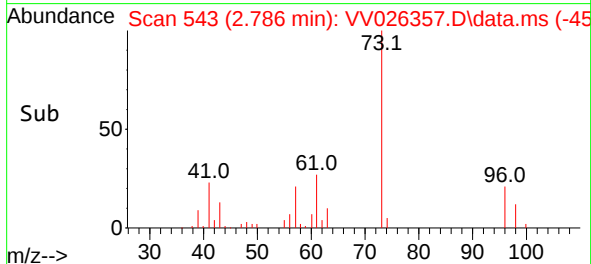
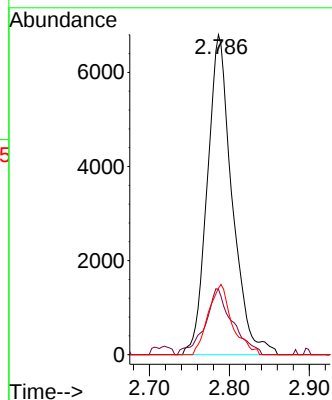
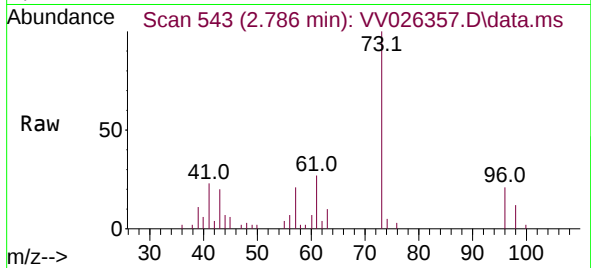




#17
Methyl tert-butyl Ether
Concen: 0.701 ug/L
RT: 2.786 min Scan# 541
Delta R.T. 0.000 min
Lab File: VV026357.D
Acq: 17 Jun 2022 01:16

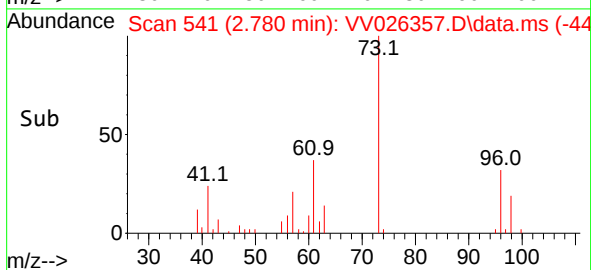
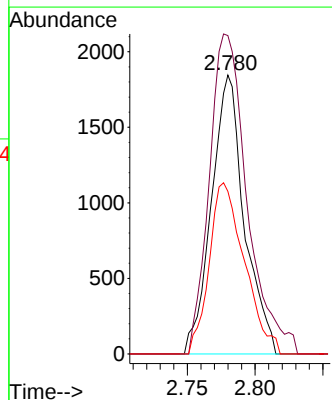
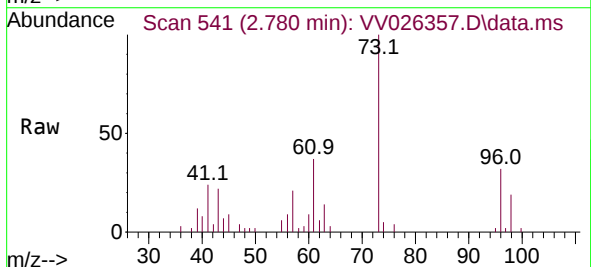
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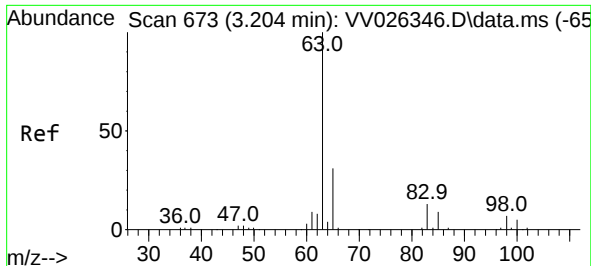
Tgt Ion: 73 Resp: 14667
Ion Ratio Lower Upper
73 100
43 22.8 13.0 19.6#
57 21.0 17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 0.264 ug/L
RT: 2.780 min Scan# 541
Delta R.T. 0.007 min
Lab File: VV026357.D
Acq: 17 Jun 2022 01:16

Tgt Ion: 96 Resp: 3113
Ion Ratio Lower Upper
96 100
61 114.1 91.3 169.6
98 58.3 45.3 84.1





#19

1,1-Dichloroethane

Concen: 57.940 ug/L

RT: 3.201 min Scan# 61

Delta R.T. -0.003 min

Lab File: VV026357.D

Acq: 17 Jun 2022 01:16

Instrument :

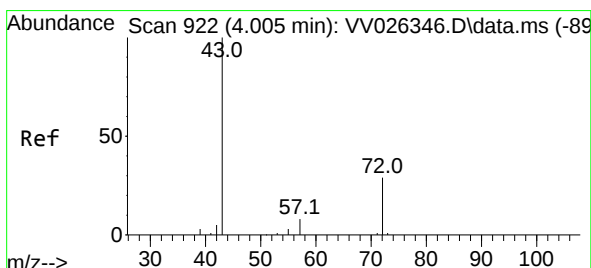
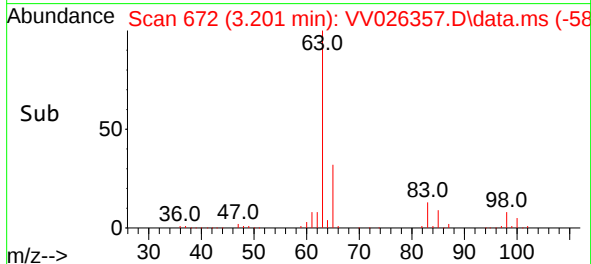
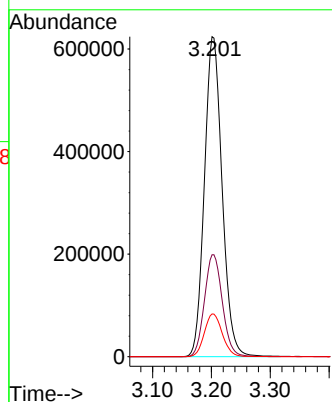
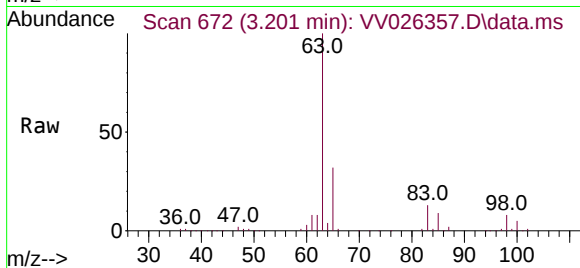
MSVOA_V

ClientSampleId :

BGJ73

Tgt Ion: 63 Resp: 1303918

Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.3	41.3
83	13.4	8.9	16.5



#21

2-Butanone

Concen: 2.341 ug/L

RT: 4.024 min Scan# 928

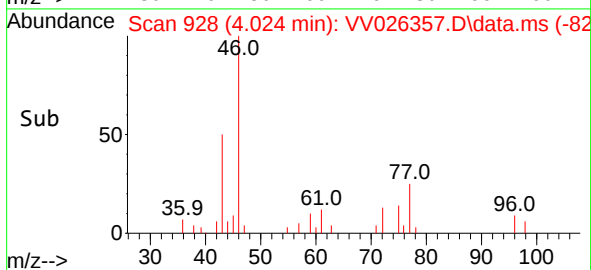
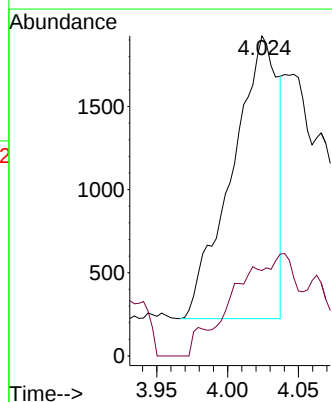
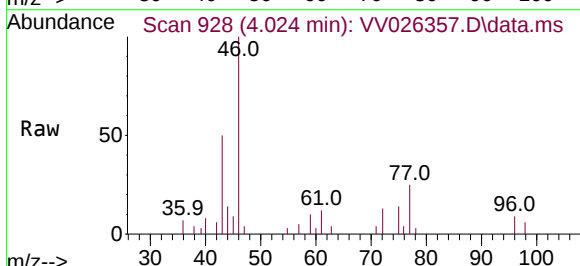
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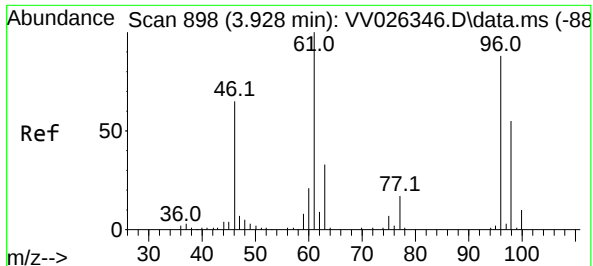
Lab File: VV026357.D

Acq: 17 Jun 2022 01:16

Tgt Ion: 43 Resp: 3831

Ion	Ratio	Lower	Upper
43	100		
72	22.8	12.7	38.0

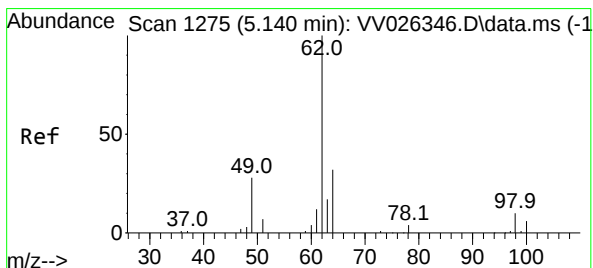
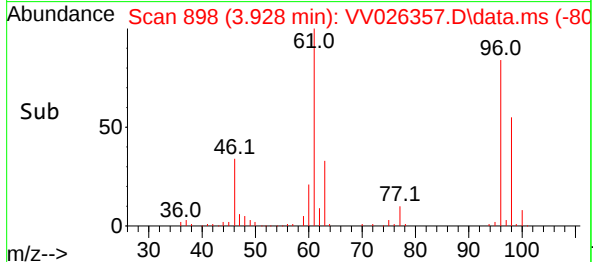
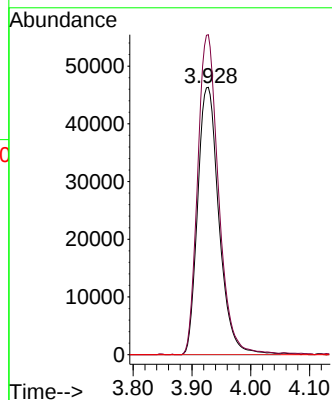
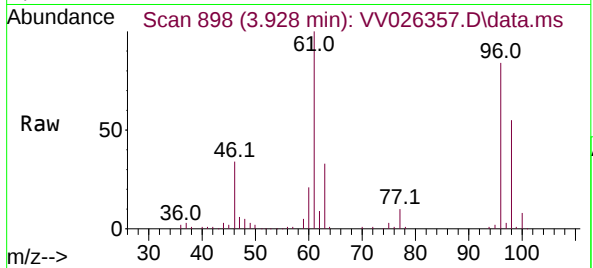




#22
 cis-1,2-Dichloroethene
 Concen: 9.760 ug/L
 RT: 3.928 min Scan# 898
 Delta R.T. 0.000 min
 Lab File: VV026357.D
 Acq: 17 Jun 2022 01:16

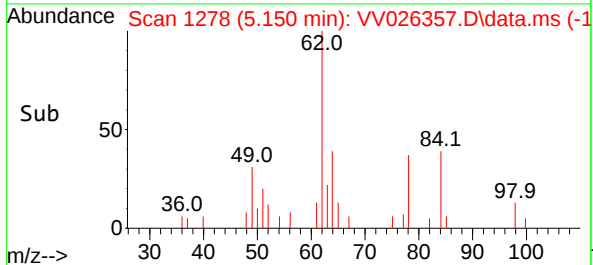
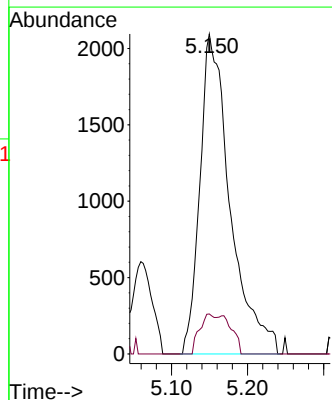
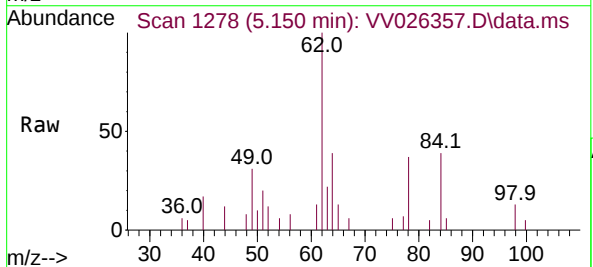
Instrument :
 MSVOA_V
 ClientSampleId :
 BGJ73

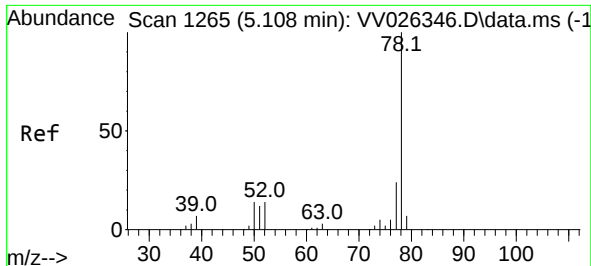
Tgt Ion: 96 Resp: 116525
 Ion Ratio Lower Upper
 96 100
 61 119.7 83.6 155.2
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.521 ug/L
 RT: 5.150 min Scan# 1278
 Delta R.T. 0.010 min
 Lab File: VV026357.D
 Acq: 17 Jun 2022 01:16

Tgt Ion: 62 Resp: 5787
 Ion Ratio Lower Upper
 62 100
 98 12.5 8.6 13.0

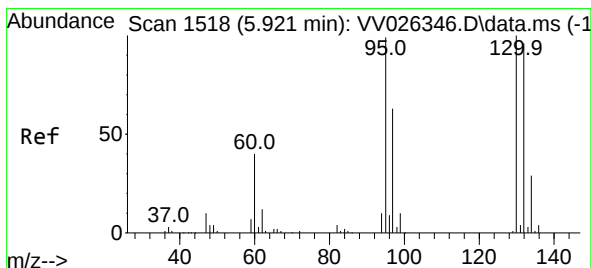
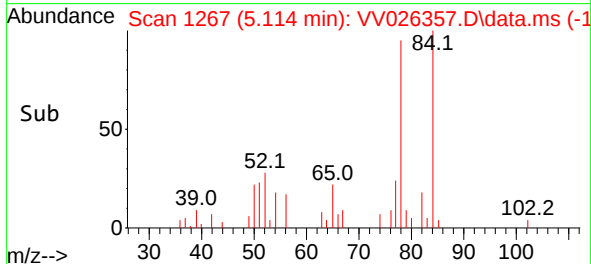
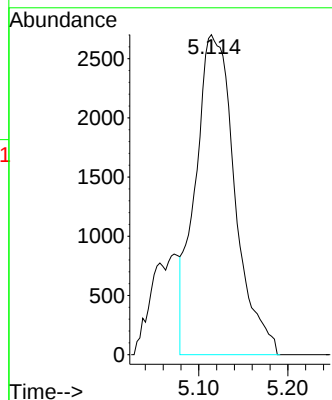
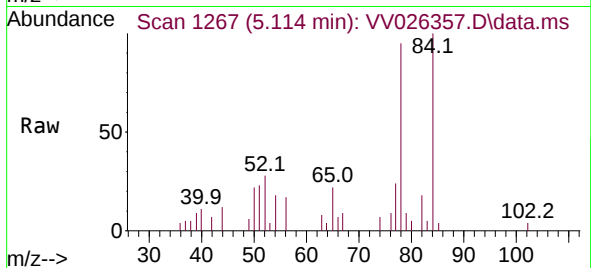




#33
Benzene
Concen: 0.179 ug/L
RT: 5.114 min Scan# 1517
Delta R.T. 0.007 min
Lab File: VV026357.D
Acq: 17 Jun 2022 01:16

Instrument :
MSVOA_V
ClientSampleId :
BGJ73

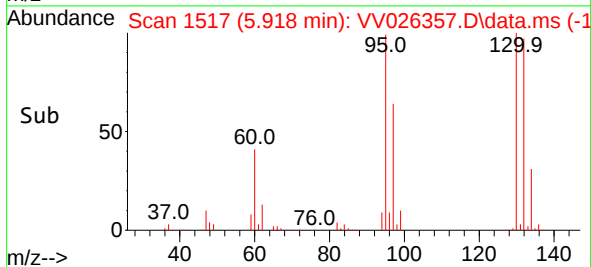
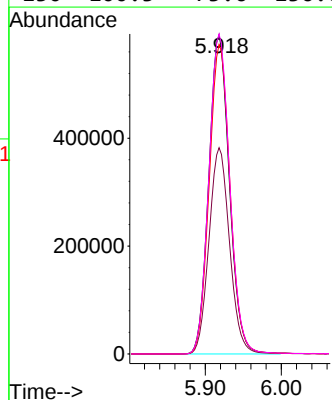
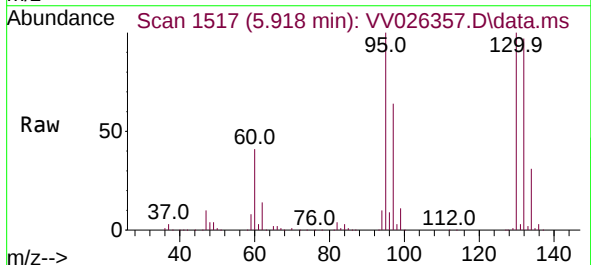
Tgt Ion: 78 Resp: 8316

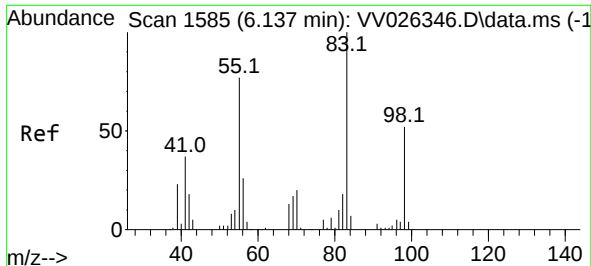


#34
Trichloroethene
Concen: 87.989 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. -0.003 min
Lab File: VV026357.D
Acq: 17 Jun 2022 01:16

Tgt Ion: 95 Resp: 1115138

Ion	Ratio	Lower	Upper
95	100		
97	64.6	46.5	86.3
132	97.0	68.8	127.8
130	100.3	73.6	136.6





#35

Methylcyclohexane

Concen: 1.009 ug/L

RT: 6.076 min Scan# 11

Delta R.T. -0.061 min

Lab File: VV026357.D

Acq: 17 Jun 2022 01:16

Instrument :

MSVOA_V

ClientSampleId :

BGJ73

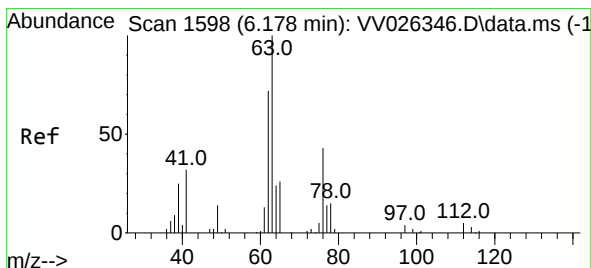
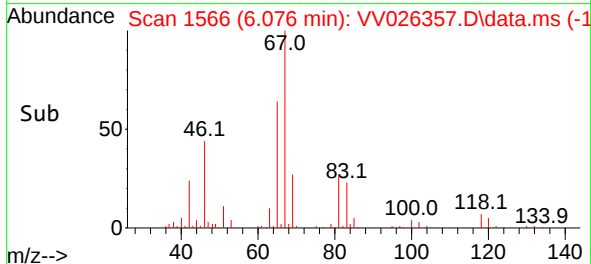
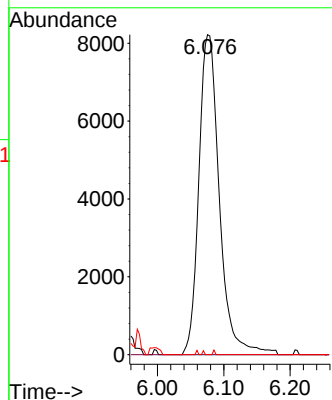
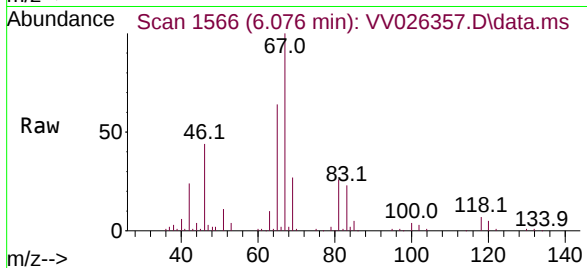
Tgt Ion: 83 Resp: 17696

Ion Ratio Lower Upper

83 100

55 0.0 59.3 88.9#

98 0.0 39.9 59.9#



#37

1,2-Dichloropropane

Concen: 0.150 ug/L

RT: 6.188 min Scan# 1601

Delta R.T. 0.010 min

Lab File: VV026357.D

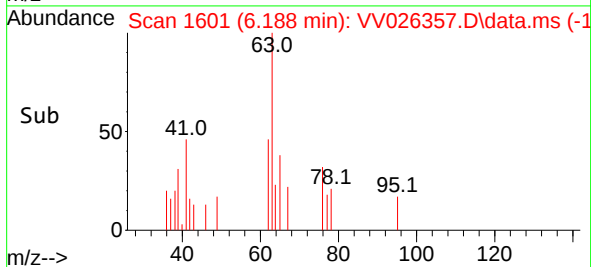
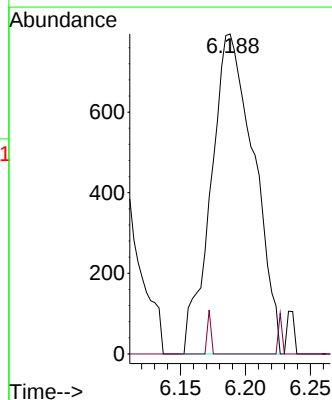
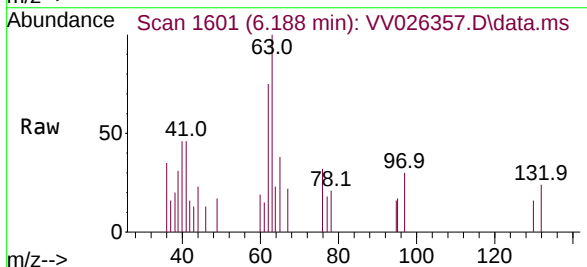
Acq: 17 Jun 2022 01:16

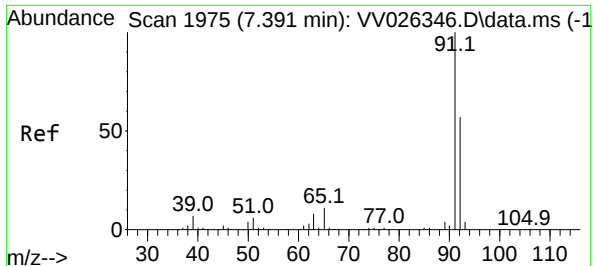
Tgt Ion: 63 Resp: 1827

Ion Ratio Lower Upper

63 100

112 1.1 3.3 4.9#

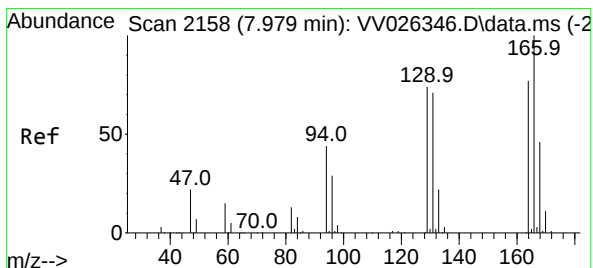
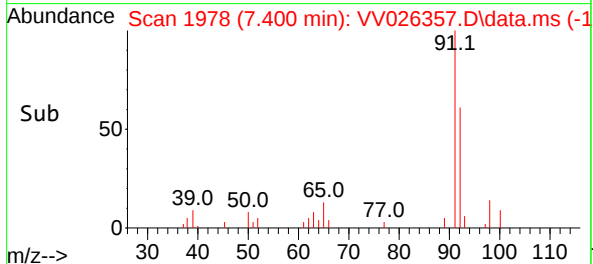
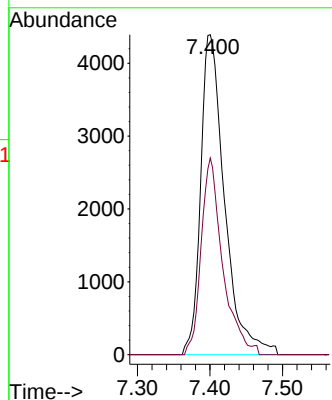
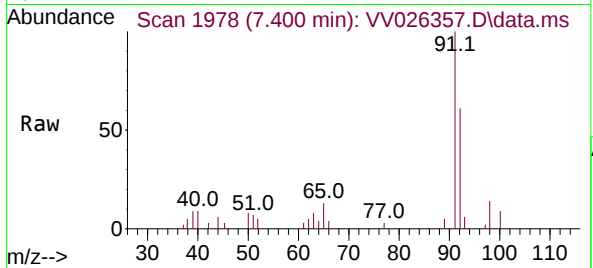




#42
Toluene
Concen: 0.206 ug/L
RT: 7.400 min Scan# 1975
Delta R.T. 0.010 min
Lab File: VV026357.D
Acq: 17 Jun 2022 01:16

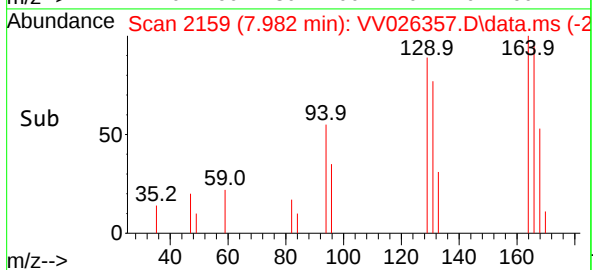
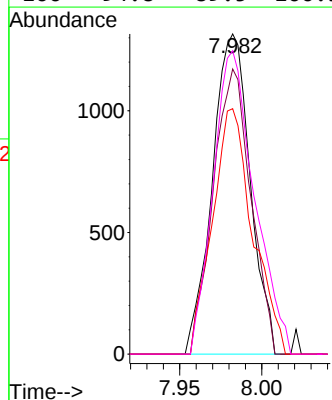
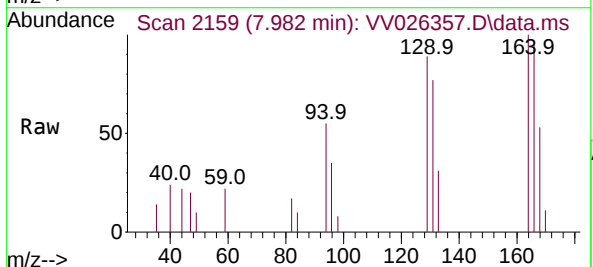
Instrument :
MSVOA_V
ClientSampleId :
BGJ73

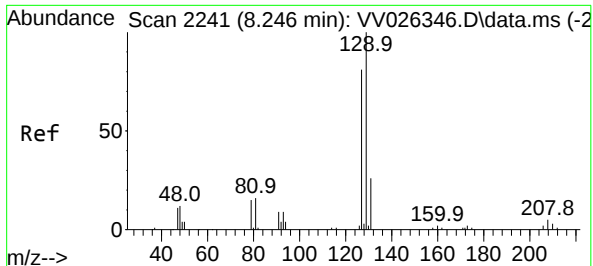
Tgt Ion: 91 Resp: 10060
Ion Ratio Lower Upper
91 100
92 61.5 40.1 74.5



#47
Tetrachloroethene
Concen: 0.224 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. 0.003 min
Lab File: VV026357.D
Acq: 17 Jun 2022 01:16

Tgt Ion: 164 Resp: 2105
Ion Ratio Lower Upper
164 100
129 89.1 67.5 125.3
131 76.7 63.8 118.4
166 94.8 89.5 166.3





#49

Dibromochloromethane

Concen: 0.212 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. -0.264 min

Lab File: VV026357.D

Acq: 17 Jun 2022 01:16

Instrument :

MSVOA_V

ClientSampleId :

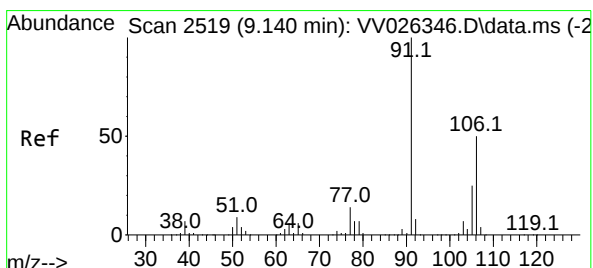
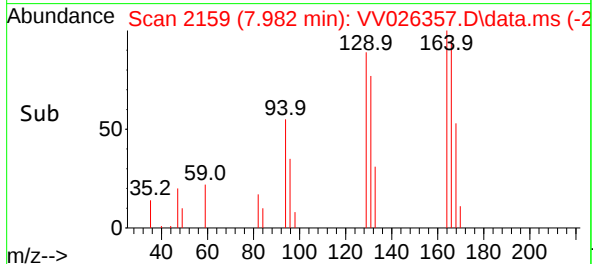
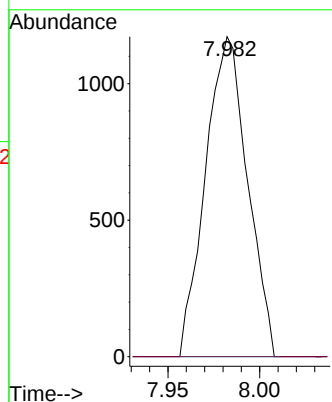
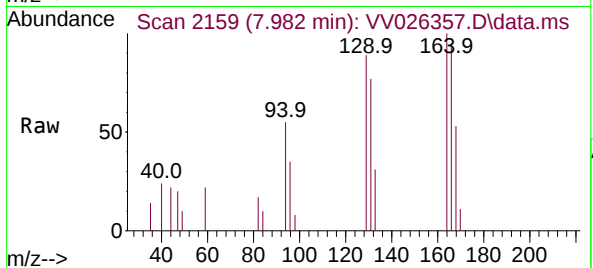
BGJ73

Tgt Ion:129 Resp: 1867

Ion Ratio Lower Upper

129 100

127 0.0 56.4 104.7#



#53

m,p-Xylene

Concen: 0.067 ug/L

RT: 9.146 min Scan# 2521

Delta R.T. 0.007 min

Lab File: VV026357.D

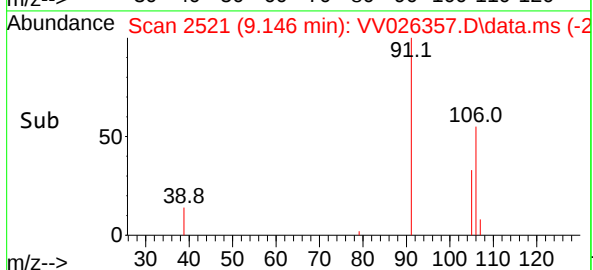
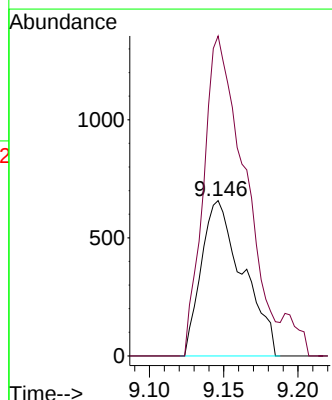
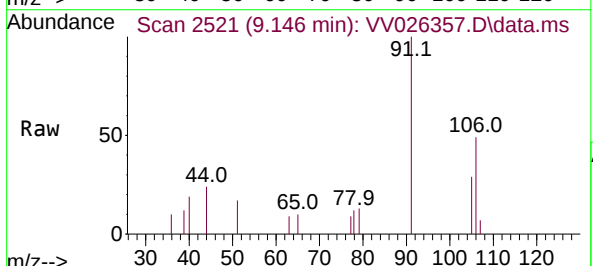
Acq: 17 Jun 2022 01:16

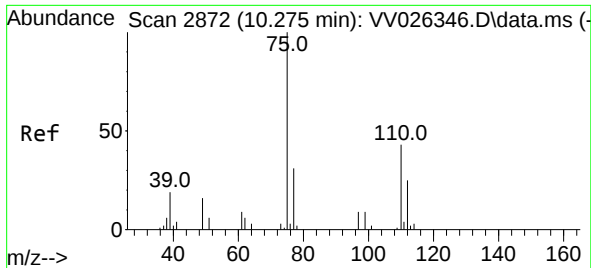
Tgt Ion:106 Resp: 1280

Ion Ratio Lower Upper

106 100

91 205.9 141.3 262.3





#61

1,2,3-Trichloropropane

Concen: 1.825 ug/L

RT: 11.246 min Scan# 31

Delta R.T. 0.971 min

Lab File: VV026357.D

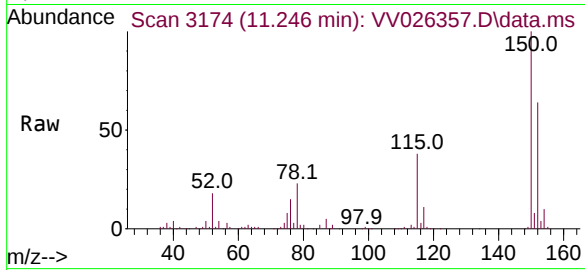
Acq: 17 Jun 2022 01:16

Instrument :

MSVOA_V

ClientSampleId :

BGJ73



Tgt Ion: 75	Resp:	8910
Ion	Ratio	Lower Upper
75	100	
77	34.8	26.9 40.3
110	2.0	30.7 46.1#

