

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040522\
 Data File : VW025350.D
 Acq On : 05 Apr 2022 12:36
 Operator : SY/MD
 Sample : N2261-01
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFY38

Quant Time: Apr 06 01:29:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 06 01:28:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	132188	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	128864	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	64100	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	55695	4.511	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.200%
7) Chloroethane-d5	1.568	69	50756	4.898	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.000%
11) 1,1-Dichloroethene-d2	2.105	63	92798	3.470	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.400%
20) 2-Butanone-d5	3.912	46	42266	34.364	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	68.720%
24) Chloroform-d	4.342	84	78529	4.873	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
26) 1,2-Dichloroethane-d4	5.027	65	33759	4.740	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
32) Benzene-d6	5.043	84	146709	4.500	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.000%
36) 1,2-Dichloropropane-d6	6.066	67	42527	4.655	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.000%
41) Toluene-d8	7.313	98	124315	4.157	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.200%
43) trans-1,3-Dichloroprop...	7.622	79	13739	4.609	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.200%
46) 2-Hexanone-d5	8.088	63	47232	43.876	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.760%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	28562	4.688	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.800%
66) 1,2-Dichlorobenzene-d4	11.622	152	47539	4.618	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	735	0.047	ug/L	86
6) Bromomethane	1.523	94	417	0.040	ug/L #	70
12) 1,1-Dichloroethene	2.114	96	13473	1.012	ug/L #	1
13) Acetone	2.207	43	3835	4.086	ug/L #	49
15) Methyl Acetate	2.429	43	897	0.420	ug/L #	49
16) Methylene chloride	2.507	84	2031	0.194	ug/L	91
17) Methyl tert-butyl Ether	2.773	73	1958	0.116	ug/L #	32
19) 1,1-Dichloroethane	3.188	63	26432	1.658	ug/L	99
25) Chloroform	4.371	83	2323	0.131	ug/L	94
29) 1,1,1-Trichloroethane	4.606	97	2008	0.129	ug/L #	88
33) Benzene	5.101	78	4617	0.122	ug/L	100
34) Trichloroethene	5.915	95	2565	0.247	ug/L	82
35) Methylcyclohexane	6.066	83	10965	0.674	ug/L #	21
37) 1,2-Dichloropropane	6.063	63	5092	0.581	ug/L #	84
42) Toluene	7.391	91	14287	0.354	ug/L	93
44) trans-1,3-Dichloropropene	7.622	75	707	0.079	ug/L	84
47) Tetrachloroethene	7.976	164	1228	0.160	ug/L	88
49) Dibromochloromethane	7.973	129	1251	0.194	ug/L #	11
52) Ethylbenzene	9.018	91	6117	0.143	ug/L	99

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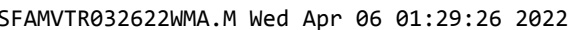
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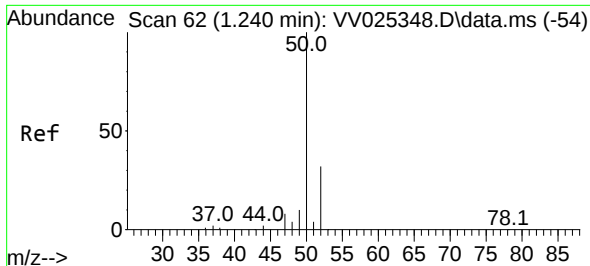
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

53) m,p-Xylene	9.143	106	3419	0.205	ug/L	85
54) o-Xylene	9.548	106	1765	0.111	ug/L	88
61) 1,2,3-Trichloropropane	11.246	75	7783	1.605	ug/L #	65
62) 1,3,5-Trimethylbenzene	10.915	105	3881	0.204	ug/L	93
63) 1,2,4-Trimethylbenzene	10.915	105	3881	0.114	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.249	75	165	0.190	ug/L #	1
71) Naphthalene	13.509	128	3288	0.195	ug/L	97

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

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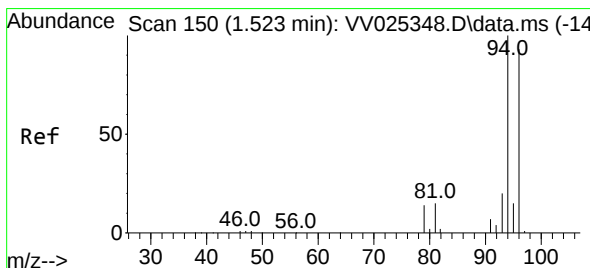
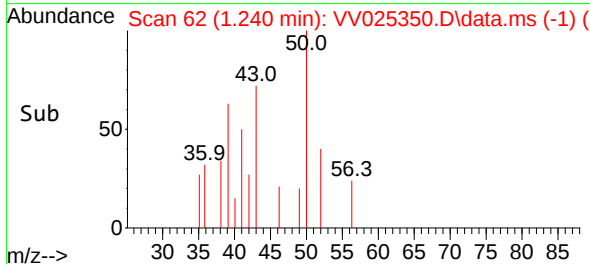
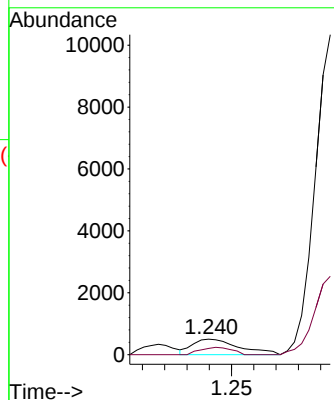
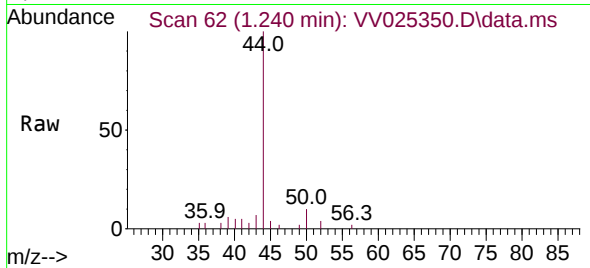




#3
Chloromethane
Concen: 0.047 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV025350.D
Acq: 05 Apr 2022 12:36

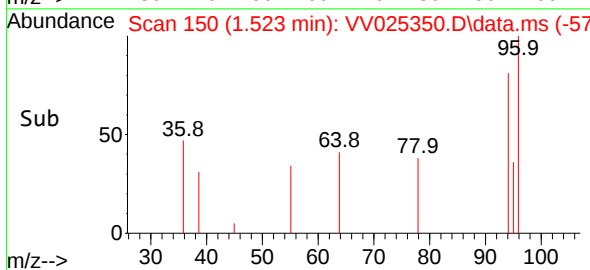
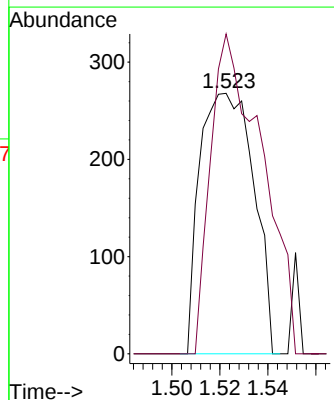
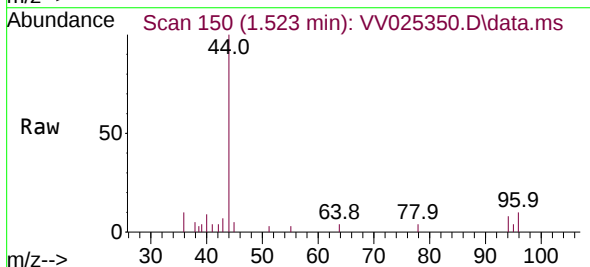
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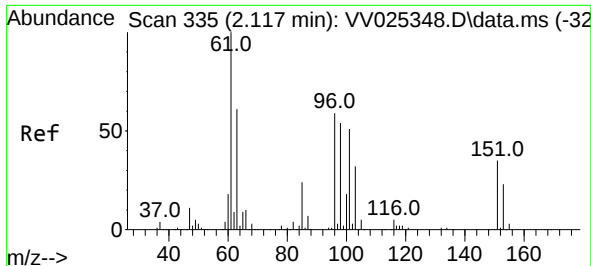
Tgt Ion: 50 Resp: 735
Ion Ratio Lower Upper
50 100
52 40.4 22.9 42.5



#6
Bromomethane
Concen: 0.040 ug/L
RT: 1.523 min Scan# 150
Delta R.T. 0.000 min
Lab File: VV025350.D
Acq: 05 Apr 2022 12:36

Tgt Ion: 94 Resp: 417
Ion Ratio Lower Upper
94 100
96 122.8 65.5 121.7#

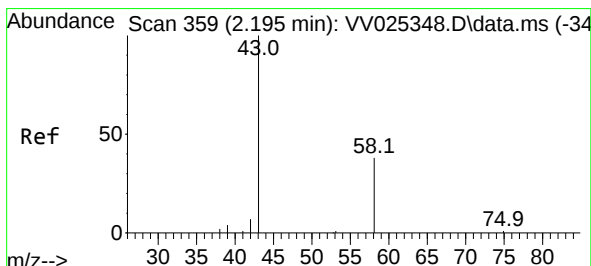
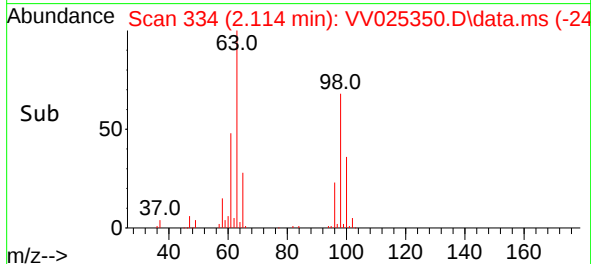
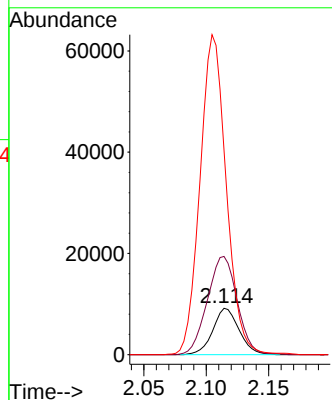
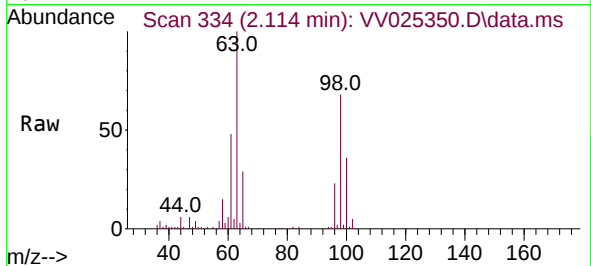




#12
1,1-Dichloroethene
Concen: 1.012 ug/L
RT: 2.114 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV025350.D
Acq: 05 Apr 2022 12:36

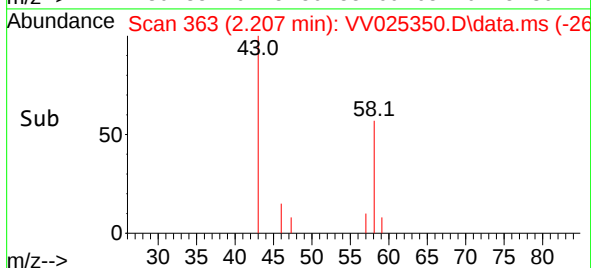
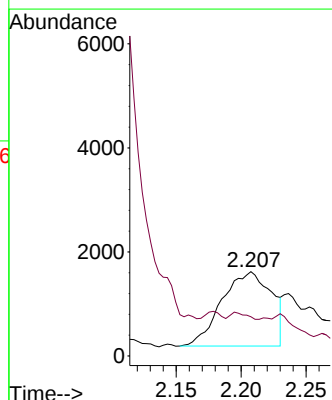
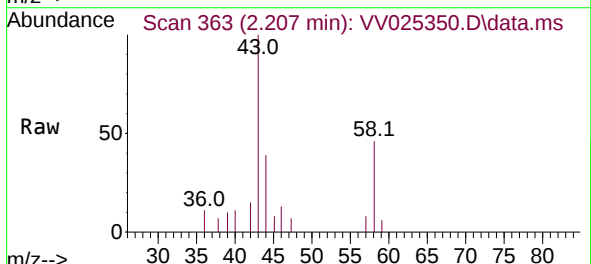
Instrument :
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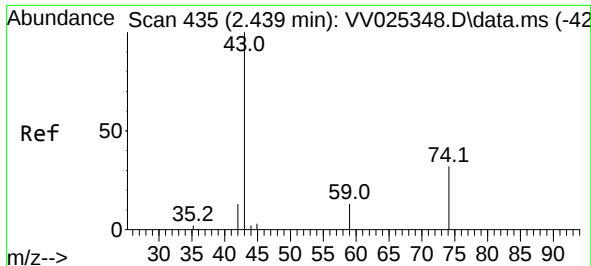
Tgt Ion: 96 Resp: 13473
Ion Ratio Lower Upper
96 100
61 211.8 121.5 225.7
63 440.5 77.9 144.7#



#13
Acetone
Concen: 4.086 ug/L
RT: 2.207 min Scan# 363
Delta R.T. 0.013 min
Lab File: VV025350.D
Acq: 05 Apr 2022 12:36

Tgt Ion: 43 Resp: 3835
Ion Ratio Lower Upper
43 100
58 0.0 0.0 51.2

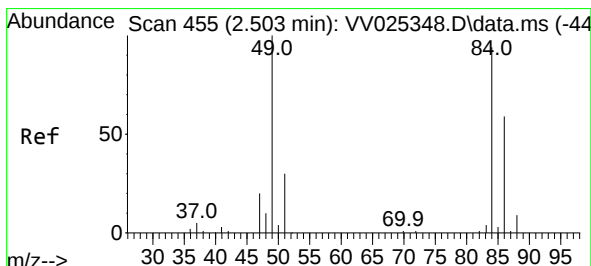
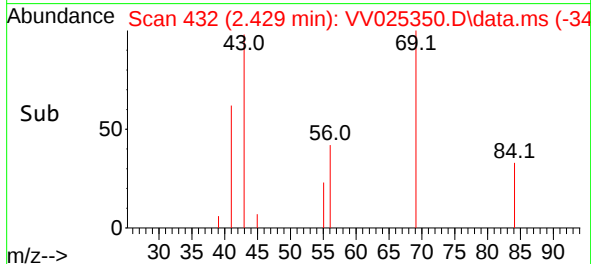
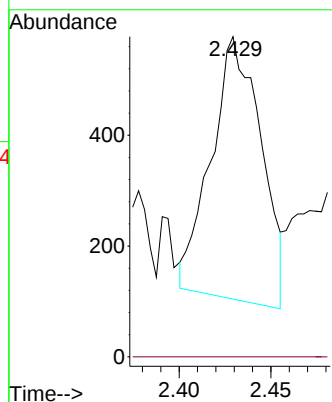
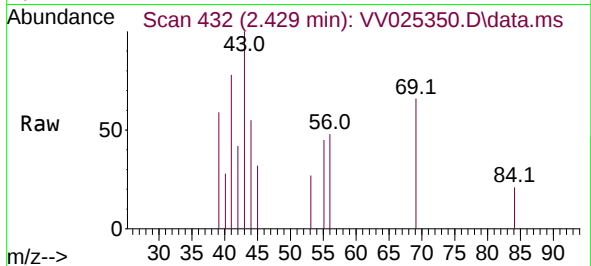




#15
Methyl Acetate
Concen: 0.420 ug/L
RT: 2.429 min Scan# 41
Delta R.T. -0.010 min
Lab File: VV025350.D
Acq: 05 Apr 2022 12:36

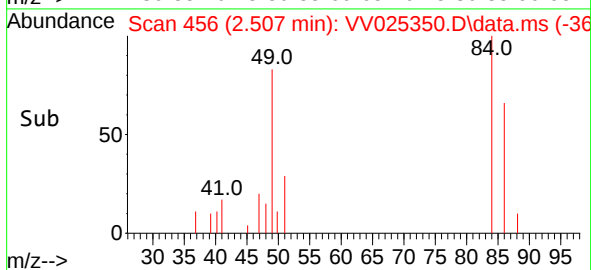
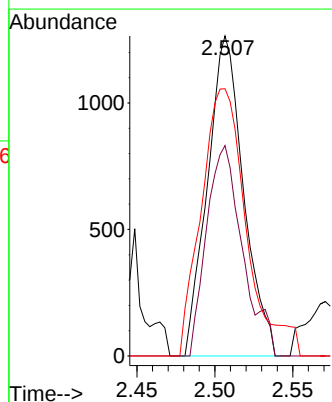
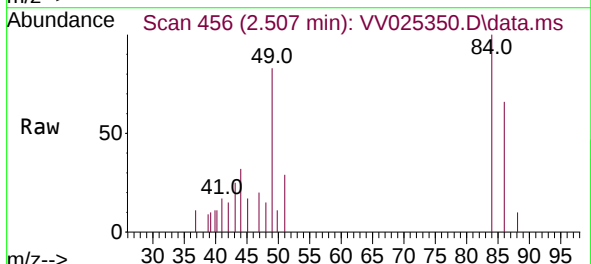
Instrument :
MSVOA_V
ClientSampleId :
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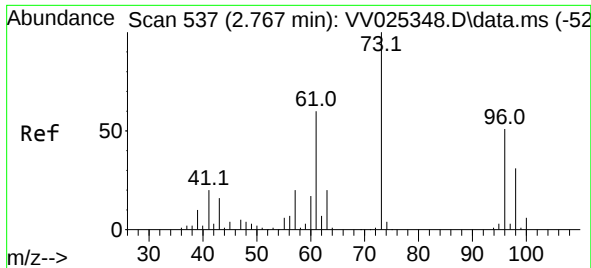
Tgt Ion: 43 Resp: 897
Ion Ratio Lower Upper
43 100
74 0.0 20.9 31.3#



#16
Methylene chloride
Concen: 0.194 ug/L
RT: 2.507 min Scan# 456
Delta R.T. 0.003 min
Lab File: VV025350.D
Acq: 05 Apr 2022 12:36

Tgt Ion: 84 Resp: 2031
Ion Ratio Lower Upper
84 100
86 65.8 43.5 80.7
49 94.3 74.5 138.3

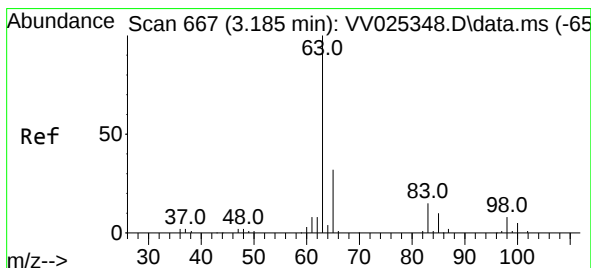
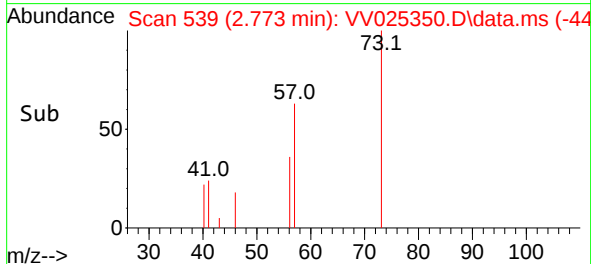
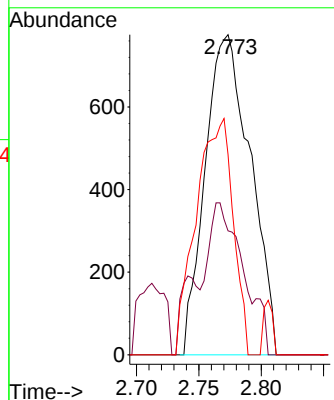
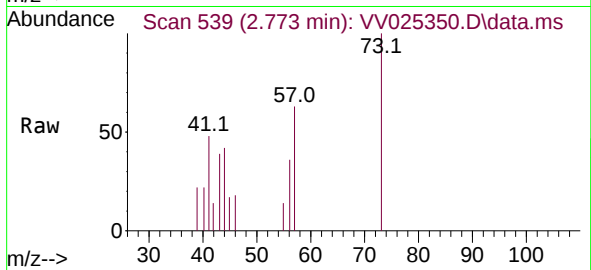




#17
Methyl tert-butyl Ether
Concen: 0.116 ug/L
RT: 2.773 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV025350.D
Acq: 05 Apr 2022 12:36

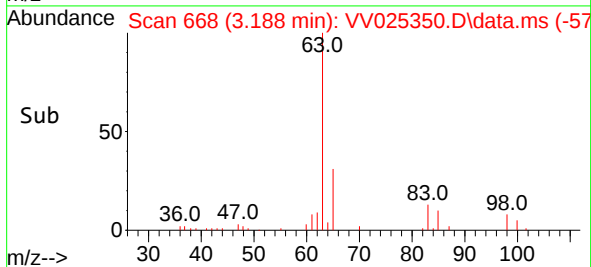
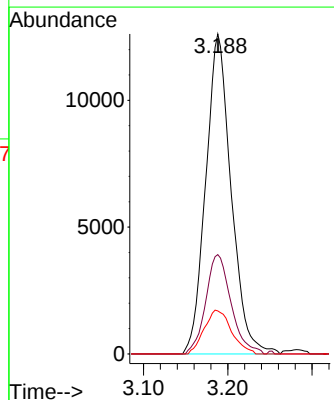
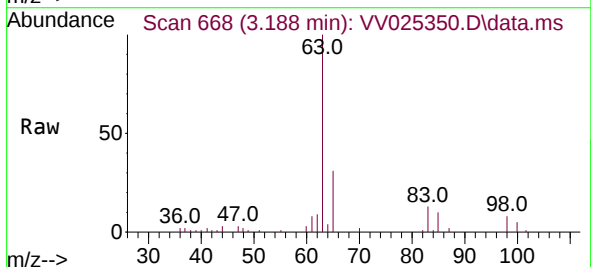
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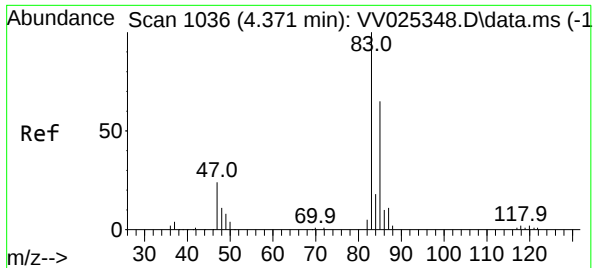
Tgt Ion: 73 Resp: 1958
Ion Ratio Lower Upper
73 100
43 37.3 13.5 20.3#
57 60.3 16.4 24.6#



#19
1,1-Dichloroethane
Concen: 1.658 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.003 min
Lab File: VV025350.D
Acq: 05 Apr 2022 12:36

Tgt Ion: 63 Resp: 26432
Ion Ratio Lower Upper
63 100
65 31.1 22.0 40.8
83 13.4 10.2 19.0

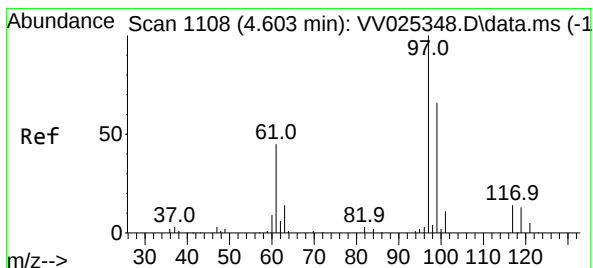
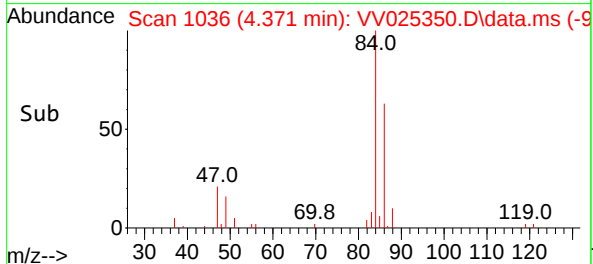
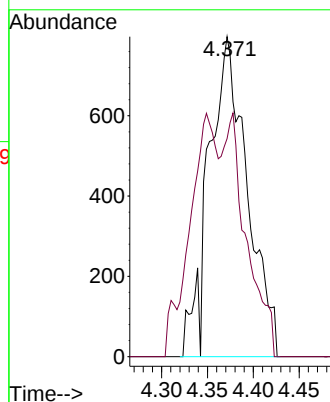
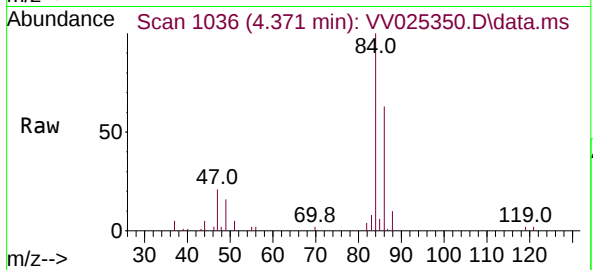




#25
Chloroform
Concen: 0.131 ug/L
RT: 4.371 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VV025350.D
Acq: 05 Apr 2022 12:36

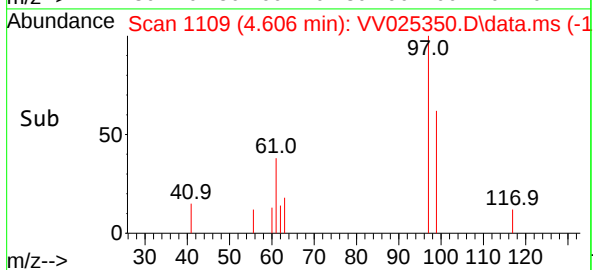
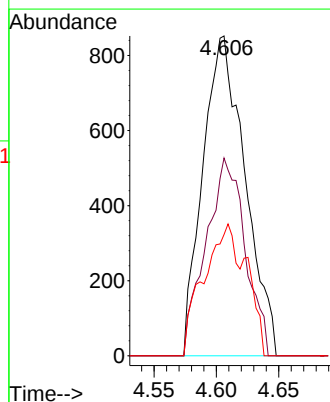
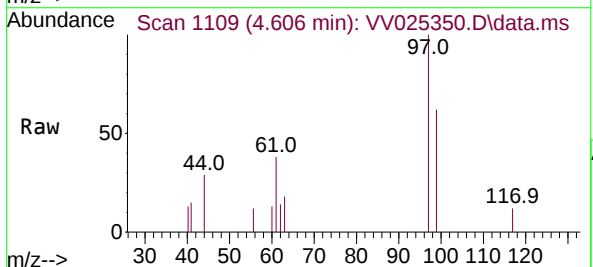
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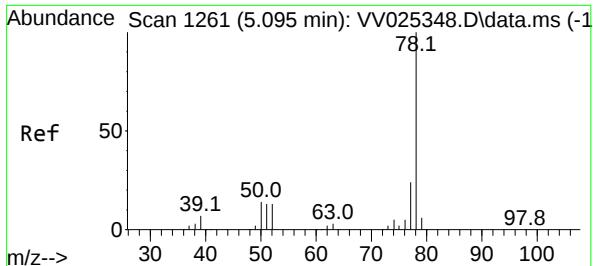
Tgt Ion: 83 Resp: 2323
Ion Ratio Lower Upper
83 100
85 68.1 44.7 82.9



#29
1,1,1-Trichloroethane
Concen: 0.129 ug/L
RT: 4.606 min Scan# 1109
Delta R.T. 0.003 min
Lab File: VV025350.D
Acq: 05 Apr 2022 12:36

Tgt Ion: 97 Resp: 2008
Ion Ratio Lower Upper
97 100
99 57.3 51.9 77.9
61 32.6 34.2 51.2#

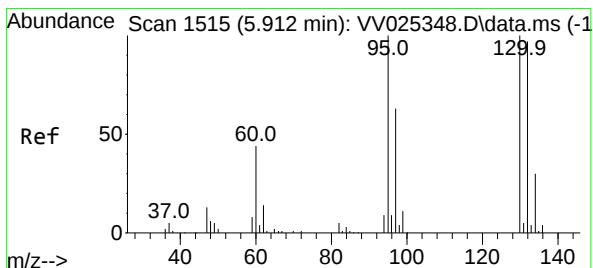
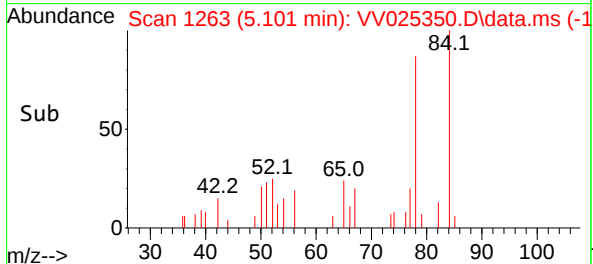
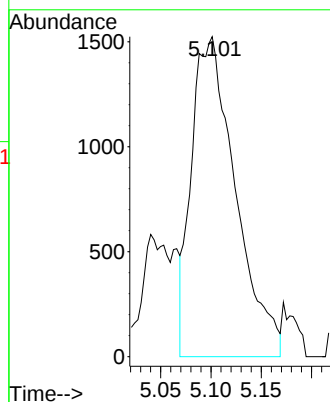
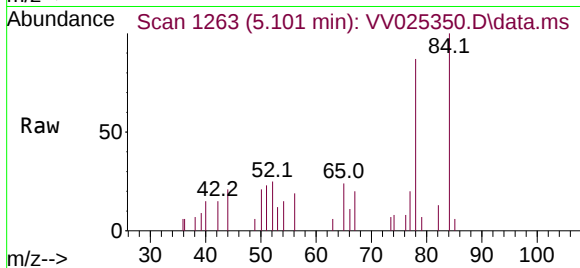




#33
Benzene
Concen: 0.122 ug/L
RT: 5.101 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV025350.D
Acq: 05 Apr 2022 12:36

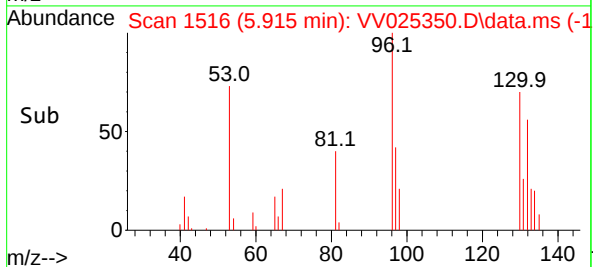
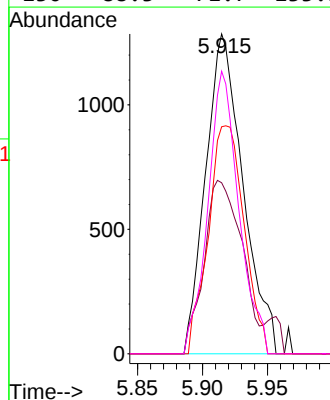
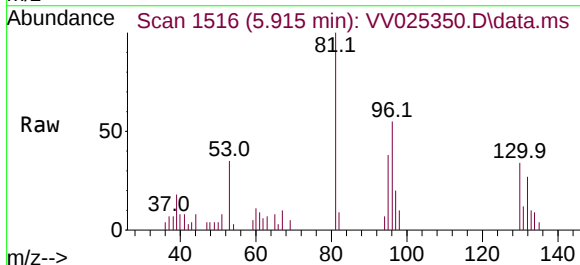
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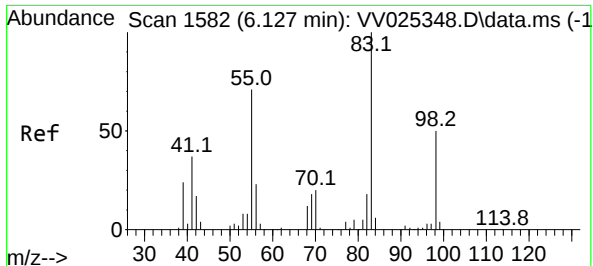
Tgt Ion: 78 Resp: 4617



#34
Trichloroethene
Concen: 0.247 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.003 min
Lab File: VV025350.D
Acq: 05 Apr 2022 12:36

Tgt Ion: 95 Resp: 2565
Ion Ratio Lower Upper
95 100
97 53.5 46.3 85.9
132 71.0 65.2 121.2
130 88.3 71.7 133.1





#35

Methylcyclohexane

Concen: 0.674 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.061 min

Lab File: VV025350.D

Acq: 05 Apr 2022 12:36

Instrument :

MSVOA_V

ClientSampleId :

BFY38

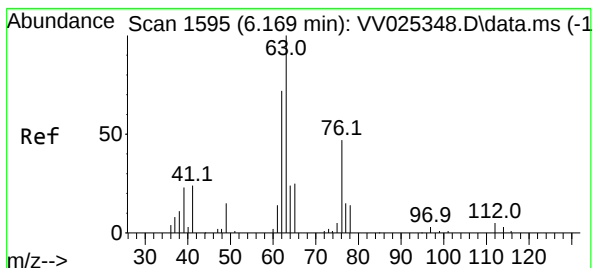
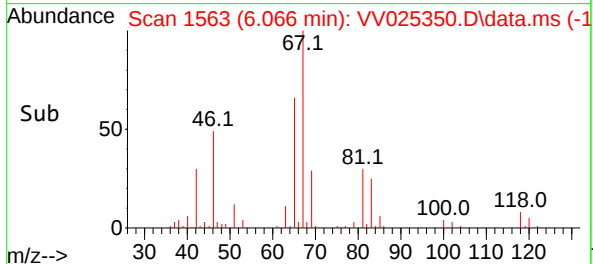
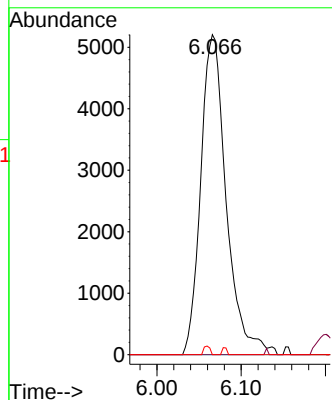
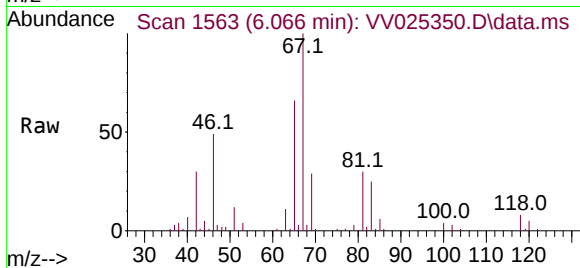
Tgt Ion: 83 Resp: 10965

Ion Ratio Lower Upper

83 100

55 0.0 54.6 81.8#

98 0.7 39.8 59.6#



#37

1,2-Dichloropropane

Concen: 0.581 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.106 min

Lab File: VV025350.D

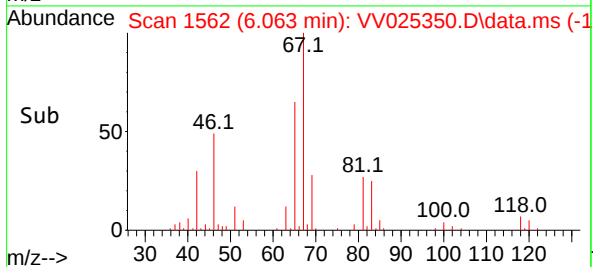
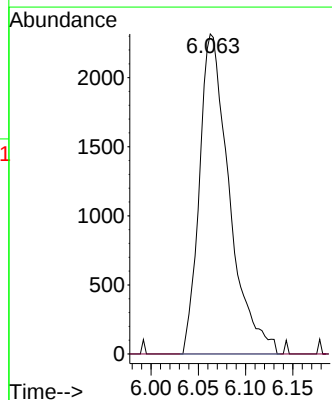
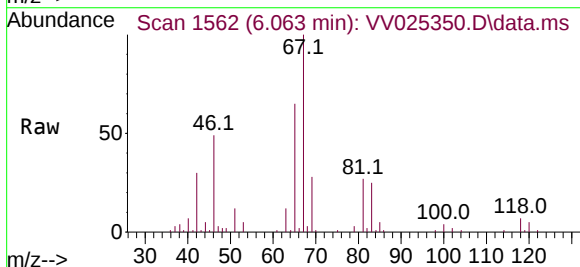
Acq: 05 Apr 2022 12:36

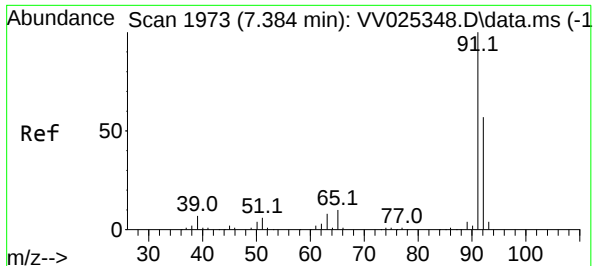
Tgt Ion: 63 Resp: 5092

Ion Ratio Lower Upper

63 100

112 0.0 4.2 6.2#





#42

Toluene

Concen: 0.354 ug/L

RT: 7.391 min Scan# 1973

Delta R.T. 0.006 min

Lab File: VV025350.D

Acq: 05 Apr 2022 12:36

Instrument :

MSVOA_V

ClientSampleId :

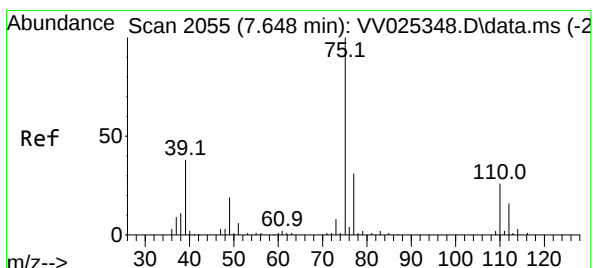
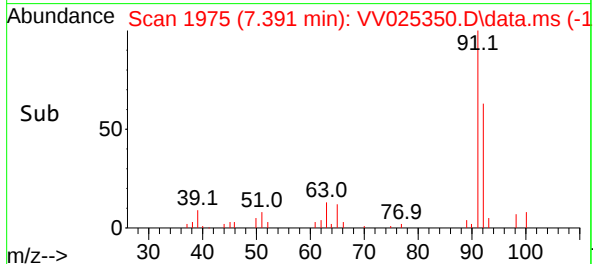
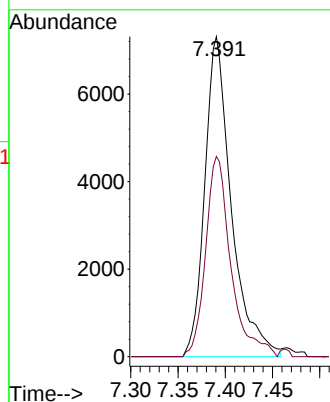
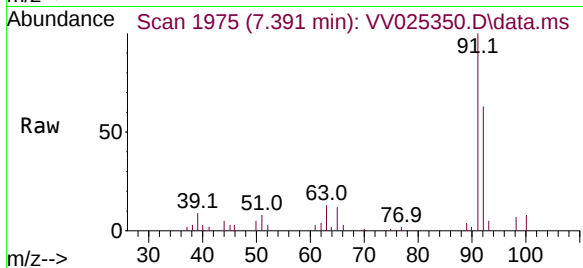
BFY38

Tgt Ion: 91 Resp: 14287

Ion Ratio Lower Upper

91 100

92 62.6 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 0.079 ug/L

RT: 7.622 min Scan# 2047

Delta R.T. -0.026 min

Lab File: VV025350.D

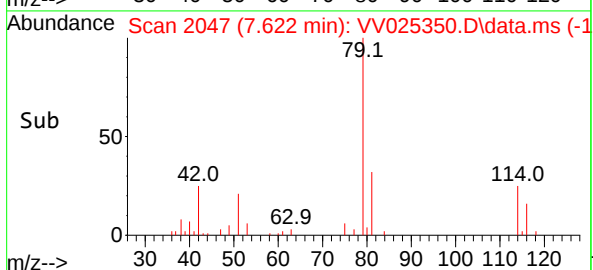
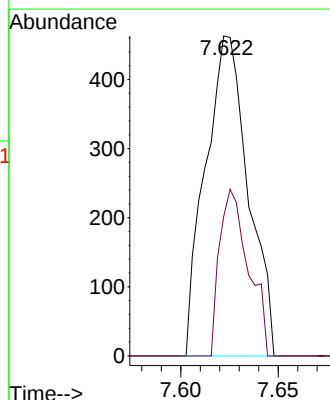
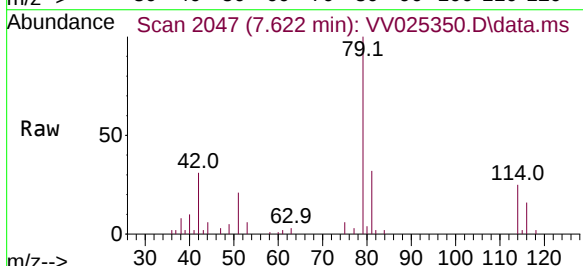
Acq: 05 Apr 2022 12:36

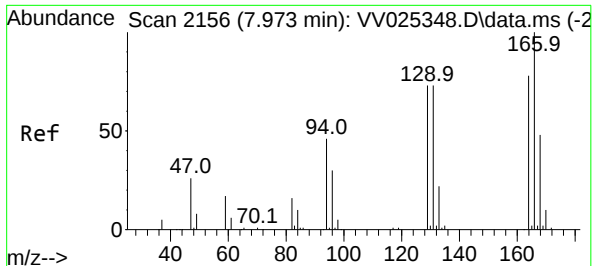
Tgt Ion: 75 Resp: 707

Ion Ratio Lower Upper

75 100

77 43.6 24.2 45.0





#47

Tetrachloroethene

Concen: 0.160 ug/L

RT: 7.976 min Scan# 2156

Delta R.T. 0.003 min

Lab File: VV025350.D

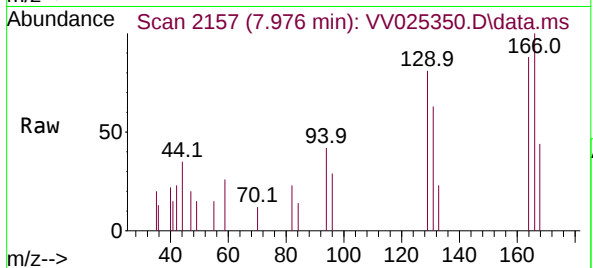
Acq: 05 Apr 2022 12:36

Instrument :

MSVOA_V

ClientSampleId :

BFY38



Tgt Ion:164 Resp: 1228

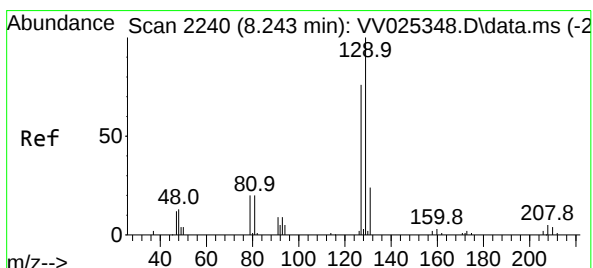
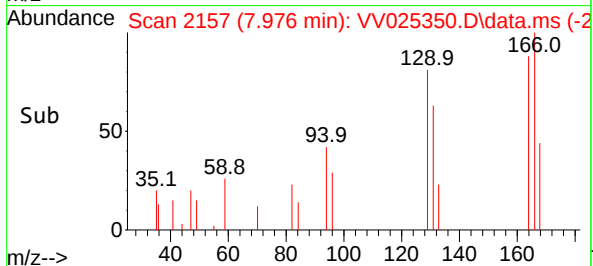
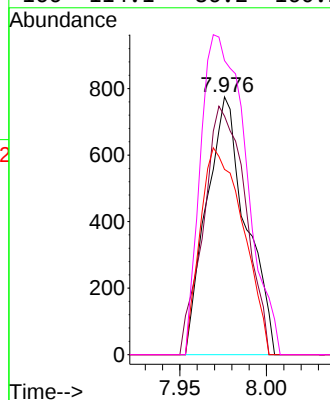
Ion Ratio Lower Upper

164 100

129 92.5 67.5 125.4

131 71.9 68.0 126.4

166 114.1 86.2 160.2



#49

Dibromochloromethane

Concen: 0.194 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV025350.D

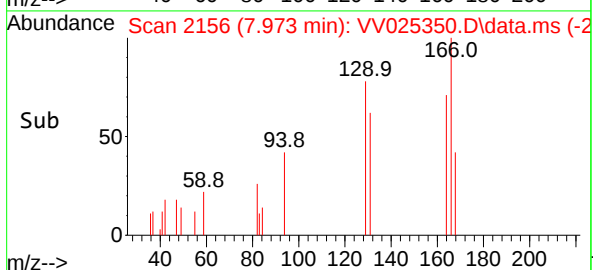
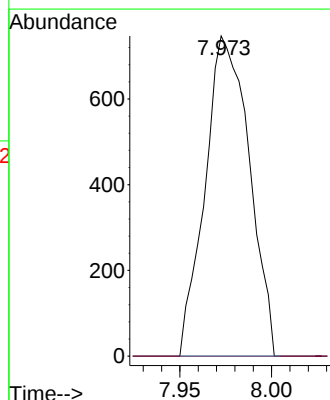
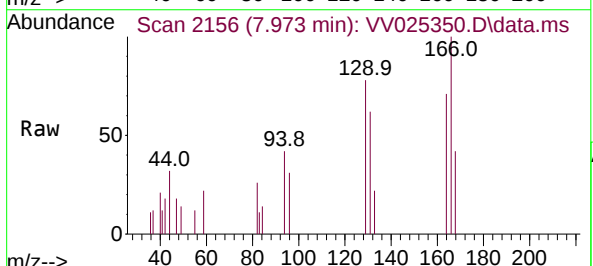
Acq: 05 Apr 2022 12:36

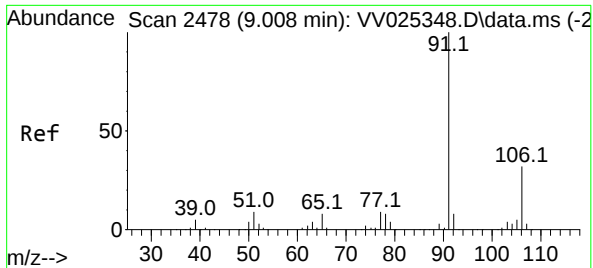
Tgt Ion:129 Resp: 1251

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#





#52

Ethylbenzene

Concen: 0.143 ug/L

RT: 9.018 min Scan# 24

Delta R.T. 0.010 min

Lab File: VV025350.D

Acq: 05 Apr 2022 12:36

Instrument :

MSVOA_V

ClientSampleId :

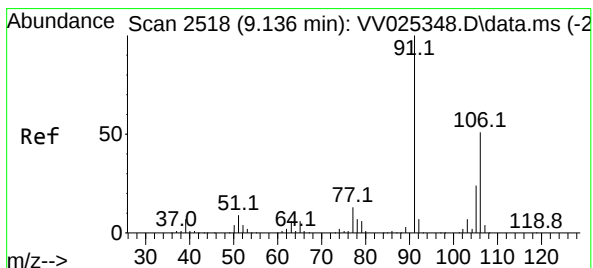
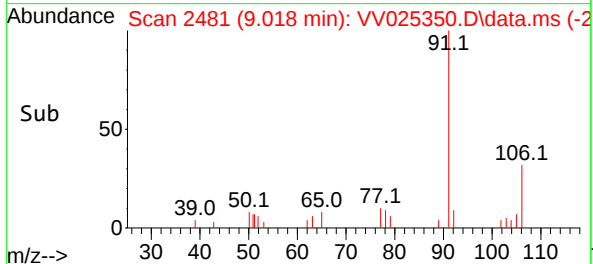
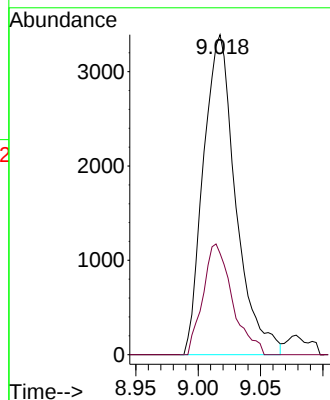
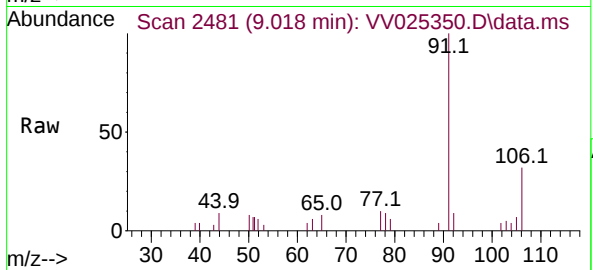
BFY38

Tgt Ion: 91 Resp: 6117

Ion Ratio Lower Upper

91 100

106 31.6 21.7 40.3



#53

m,p-Xylene

Concen: 0.205 ug/L

RT: 9.143 min Scan# 2520

Delta R.T. 0.006 min

Lab File: VV025350.D

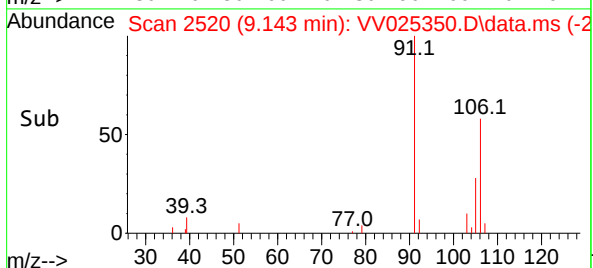
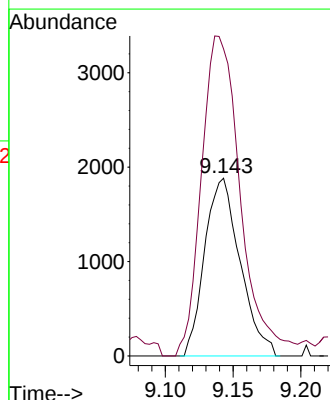
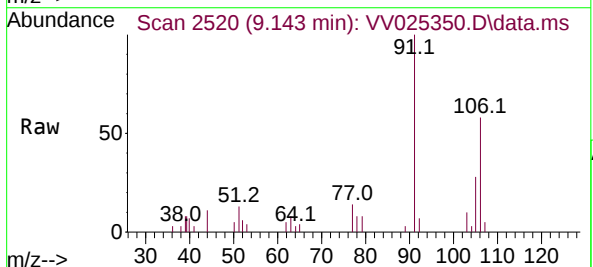
Acq: 05 Apr 2022 12:36

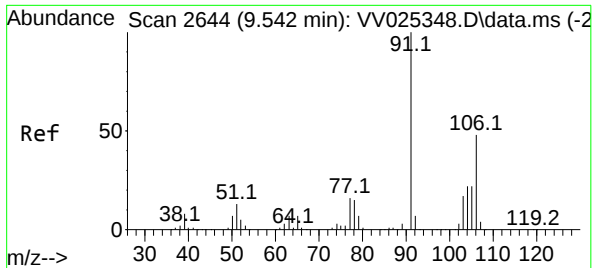
Tgt Ion: 106 Resp: 3419

Ion Ratio Lower Upper

106 100

91 172.7 136.8 254.0

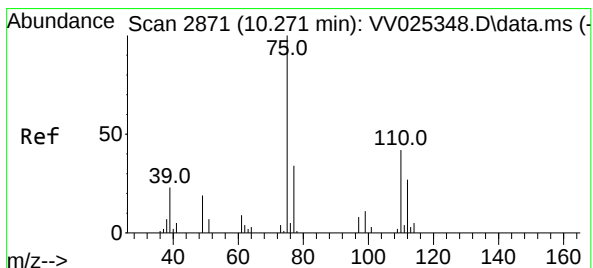
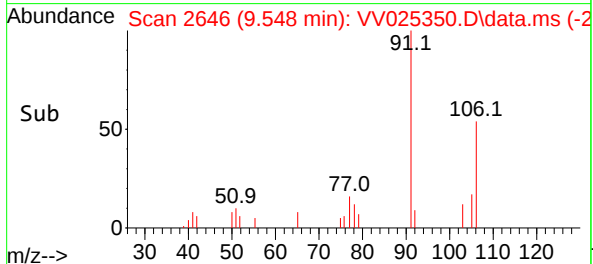
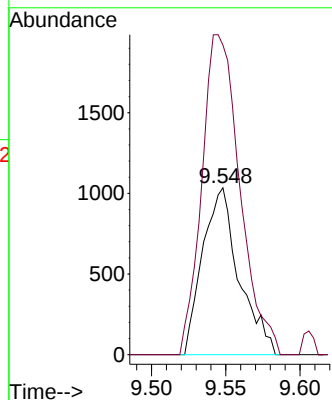
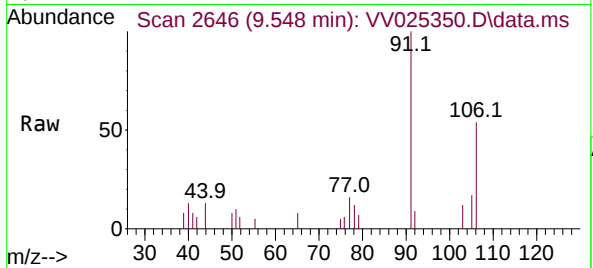




#54
o-Xylene
Concen: 0.111 ug/L
RT: 9.548 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV025350.D
Acq: 05 Apr 2022 12:36

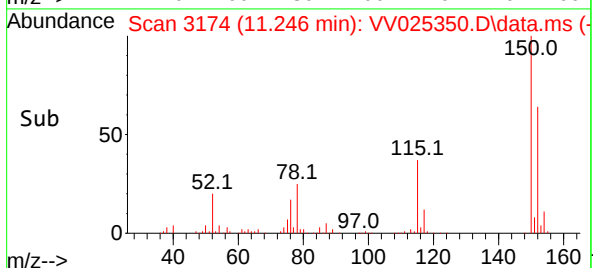
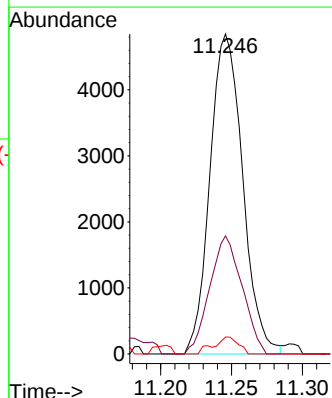
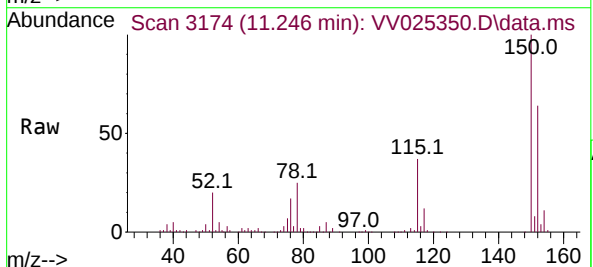
Instrument :
MSVOA_V
ClientSampleId :
BFY38

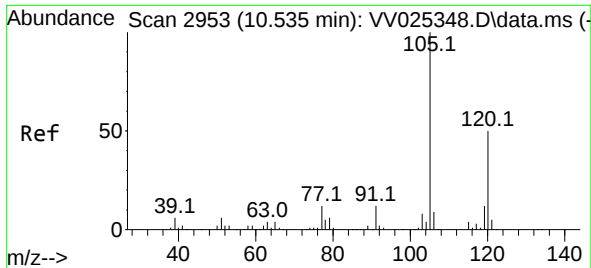
Tgt Ion:106 Resp: 1765
Ion Ratio Lower Upper
106 100
91 185.7 143.0 265.6



#61
1,2,3-Trichloropropane
Concen: 1.605 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.974 min
Lab File: VV025350.D
Acq: 05 Apr 2022 12:36

Tgt Ion: 75 Resp: 7783
Ion Ratio Lower Upper
75 100
77 36.4 25.8 38.6
110 4.0 31.6 47.4#

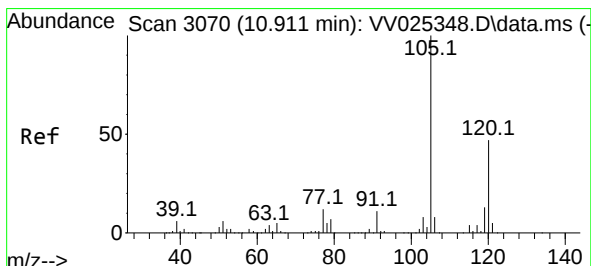
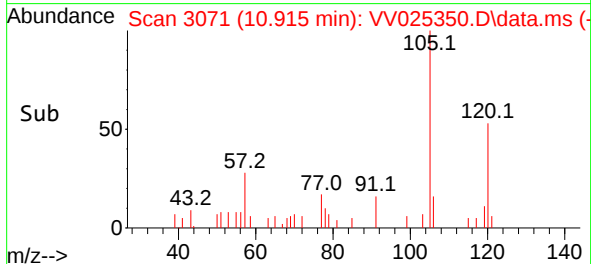
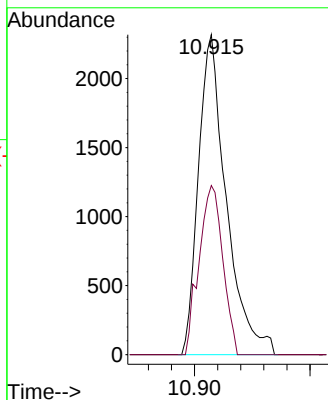
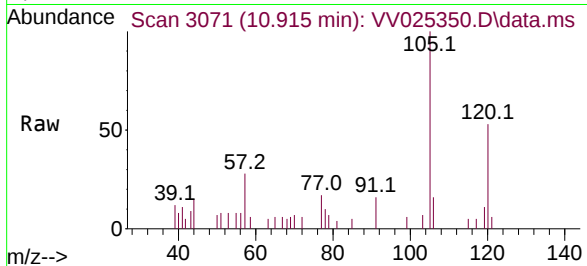




#62
 1,3,5-Trimethylbenzene
 Concen: 0.204 ug/L
 RT: 10.915 min Scan# 3071
 Delta R.T. 0.379 min
 Lab File: VV025350.D
 Acq: 05 Apr 2022 12:36

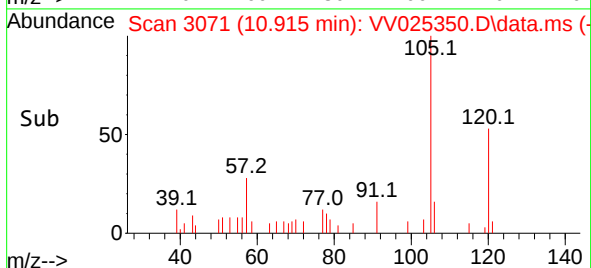
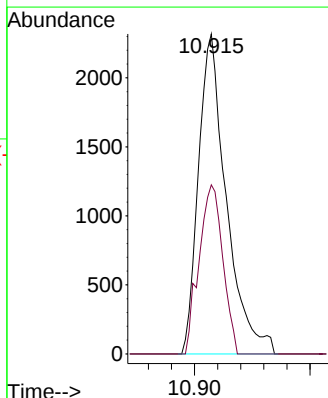
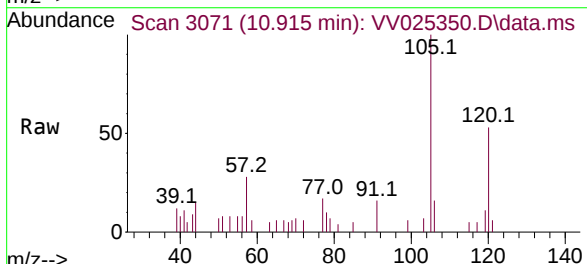
Instrument :
 MSVOA_V
 ClientSampleId :
 BFY38

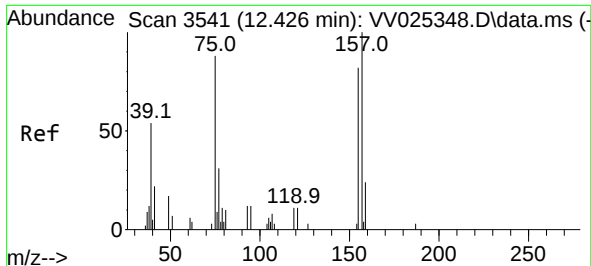
Tgt Ion:105 Resp: 3881
 Ion Ratio Lower Upper
 105 100
 120 45.0 39.7 59.5



#63
 1,2,4-Trimethylbenzene
 Concen: 0.114 ug/L
 RT: 10.915 min Scan# 3071
 Delta R.T. 0.003 min
 Lab File: VV025350.D
 Acq: 05 Apr 2022 12:36

Tgt Ion:105 Resp: 3881
 Ion Ratio Lower Upper
 105 100
 120 45.0 36.5 54.7

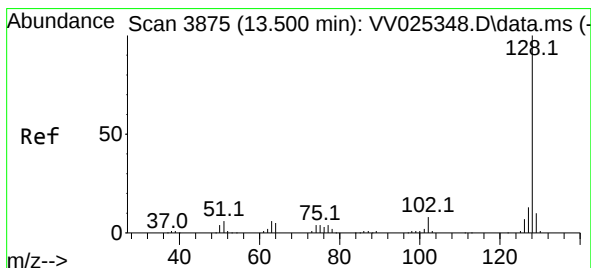
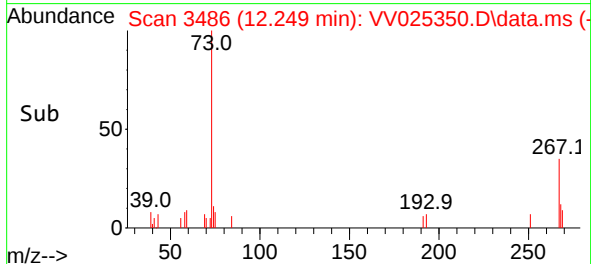
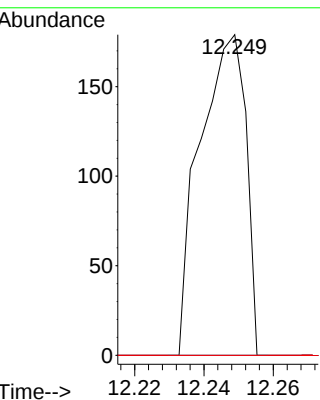
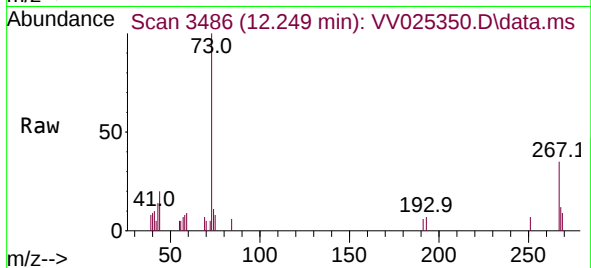




#68
1,2-Dibromo-3-chloropropane
Concen: 0.190 ug/L
RT: 12.249 min Scan# 3486
Delta R.T. -0.177 min
Lab File: VV025350.D
Acq: 05 Apr 2022 12:36

Instrument :
MSVOA_V
ClientSampleId :
BFY38

Tgt Ion: 75 Resp: 165
Ion Ratio Lower Upper
75 100
155 0.0 80.0 120.0#
157 0.0 94.5 141.7#



#71
Naphthalene
Concen: 0.195 ug/L
RT: 13.509 min Scan# 3878
Delta R.T. 0.010 min
Lab File: VV025350.D
Acq: 05 Apr 2022 12:36

Tgt Ion: 128 Resp: 3288
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 12.0 10.6 16.0

