

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032422\
 Data File : VW025151.D
 Acq On : 24 Mar 2022 15:17
 Operator : SY/MD
 Sample : N2044-13
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFY36

Quant Time: Mar 25 03:10:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 25 02:51:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	148595	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	143050	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	68716	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	66133	5.637	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.800%
7) Chloroethane-d5	1.571	69	52986	6.168	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	123.400%
11) 1,1-Dichloroethene-d2	2.111	63	96615	5.096	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.000%
20) 2-Butanone-d5	3.896	46	95306	67.222	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	134.440%#
24) Chloroform-d	4.349	84	113474	5.832	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.600%
26) 1,2-Dichloroethane-d4	5.034	65	48161	5.921	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.400%
32) Benzene-d6	5.050	84	241992	5.832	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.600%
36) 1,2-Dichloropropane-d6	6.069	67	69694	5.841	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.800%
41) Toluene-d8	7.317	98	213033	5.633	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.600%
43) trans-1,3-Dichloroprop...	7.622	79	22473	5.402	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.000%
46) 2-Hexanone-d5	8.088	63	82260	57.974	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.940%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	43342	6.174	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	123.400%#
66) 1,2-Dichlorobenzene-d4	11.622	152	70413	6.053	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.000%#
Target Compounds						
					Qvalue	
6) Bromomethane	1.523	94	377	0.045	ug/L	77
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	881	0.091	ug/L #	22
12) 1,1-Dichloroethene	2.121	96	22591	2.387	ug/L #	43
13) Acetone	2.188	43	5032	5.307	ug/L	84
17) Methyl tert-butyl Ether	2.770	73	14869	0.721	ug/L	97
19) 1,1-Dichloroethane	3.191	63	180667	9.318	ug/L	98
22) cis-1,2-Dichloroethene	3.918	96	1403	0.122	ug/L	90
25) Chloroform	4.381	83	7192	0.356	ug/L	92
27) 1,2-Dichloroethane	5.146	62	1201	0.120	ug/L #	71
29) 1,1,1-Trichloroethane	4.613	97	16333	0.895	ug/L	97
31) Carbon tetrachloride	4.606	117	2021	0.129	ug/L	95
33) Benzene	5.105	78	3918	0.084	ug/L	100
34) Trichloroethene	5.918	95	14732	1.189	ug/L	96
35) Methylcyclohexane	6.072	83	16825	0.858	ug/L #	23
37) 1,2-Dichloropropane	6.188	63	1303	0.122	ug/L #	86
39) cis-1,3-Dichloropropene	6.986	75	1499	0.101	ug/L #	64
44) trans-1,3-Dichloropropene	7.622	75	876	0.075	ug/L #	81
47) Tetrachloroethene	7.979	164	4919	0.564	ug/L	90
49) Dibromochloromethane	7.979	129	4868	0.609	ug/L #	10

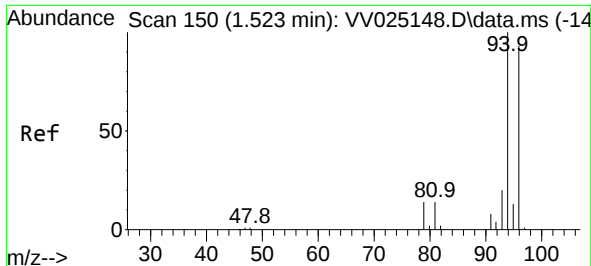
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 QLast Update : Fri Mar 25 02:51:12 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	9.018	91	2088	0.041	ug/L	99
53) m,p-Xylene	9.146	106	1110	0.056	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.246	75	563	0.568	ug/L #	1

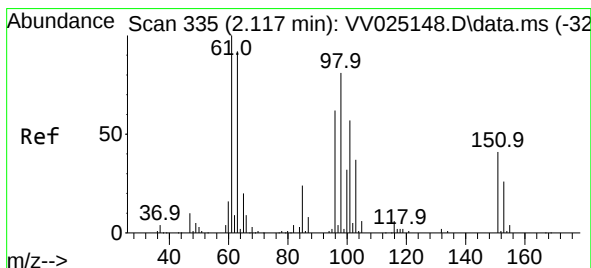
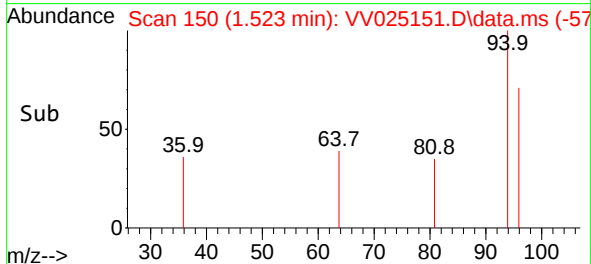
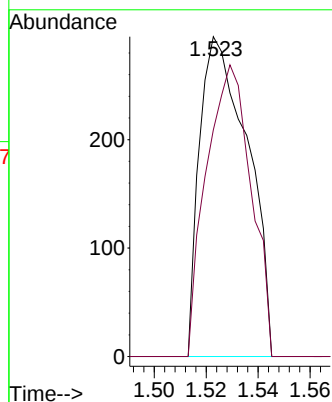
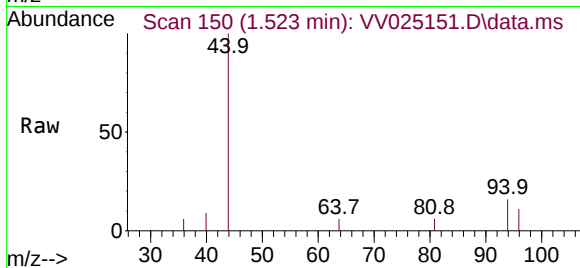
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6
Bromomethane
Concen: 0.045 ug/L
RT: 1.523 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV025151.D
Acq: 24 Mar 2022 15:17

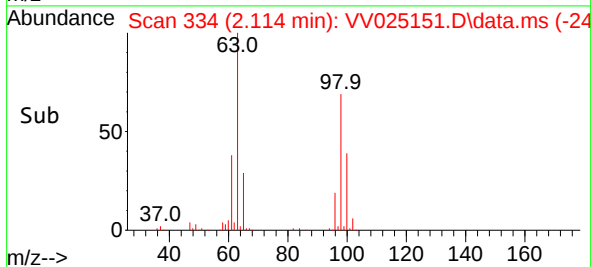
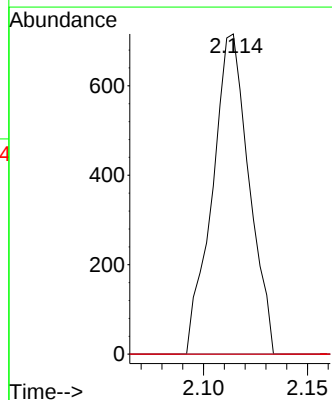
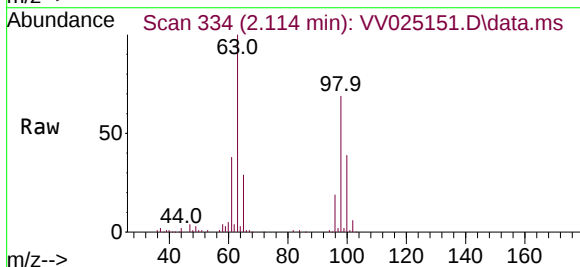
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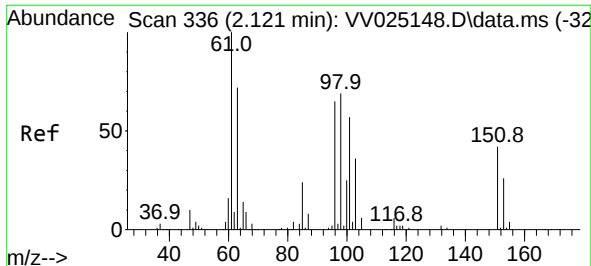
Tgt Ion: 94 Resp: 377
Ion Ratio Lower Upper
94 100
96 70.8 64.9 120.5



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.091 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.003 min
Lab File: VV025151.D
Acq: 24 Mar 2022 15:17

Tgt Ion:101 Resp: 881
Ion Ratio Lower Upper
101 100
85 0.0 34.8 52.2#
151 0.0 55.6 83.4#

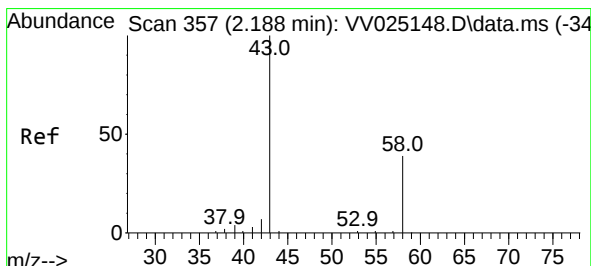
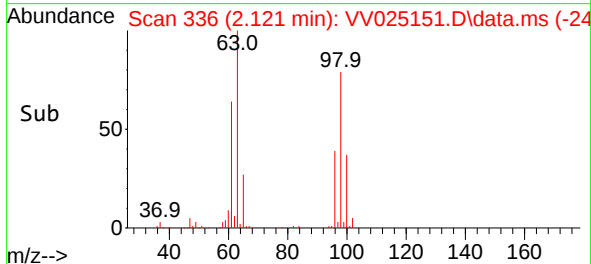
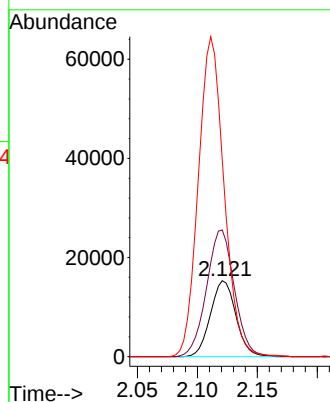
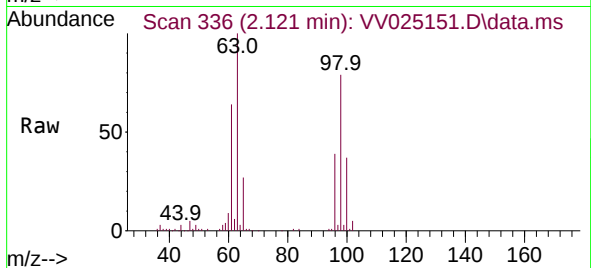




#12
1,1-Dichloroethene
Concen: 2.387 ug/L
RT: 2.121 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV025151.D
Acq: 24 Mar 2022 15:17

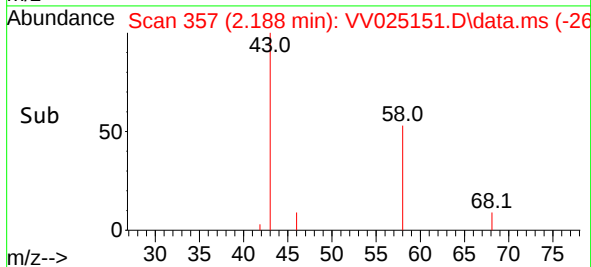
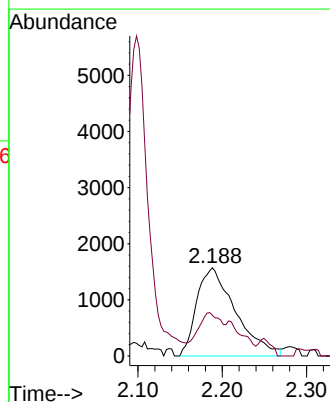
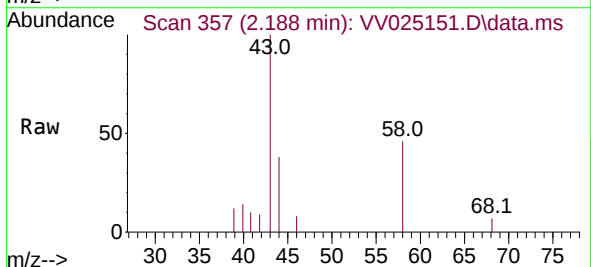
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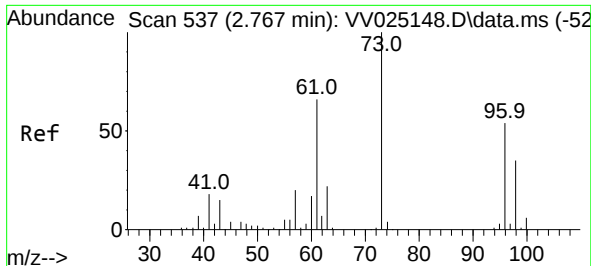
Tgt Ion: 96 Resp: 22591
Ion Ratio Lower Upper
96 100
61 166.8 113.0 209.9
63 258.8 82.1 152.5#



#13
Acetone
Concen: 5.307 ug/L
RT: 2.188 min Scan# 357
Delta R.T. 0.000 min
Lab File: VV025151.D
Acq: 24 Mar 2022 15:17

Tgt Ion: 43 Resp: 5032
Ion Ratio Lower Upper
43 100
58 18.9 0.0 54.2

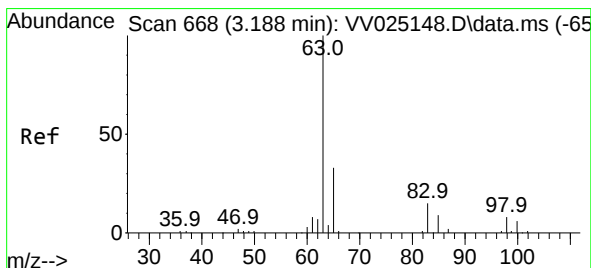
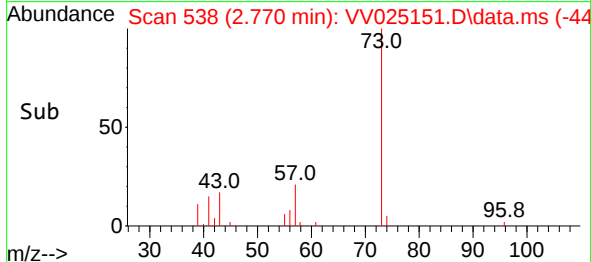
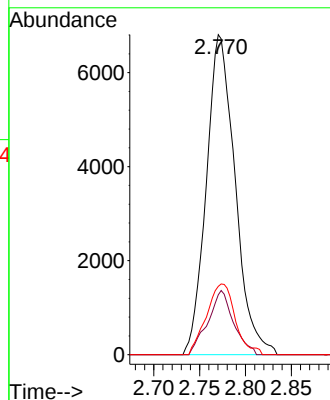
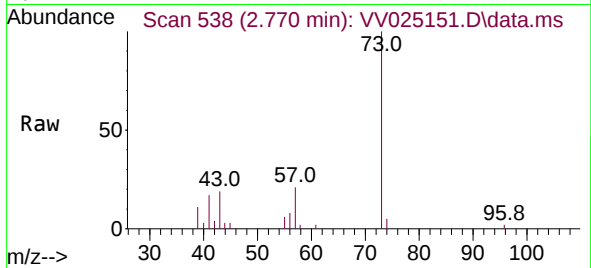




#17
Methyl tert-butyl Ether
Concen: 0.721 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV025151.D
Acq: 24 Mar 2022 15:17

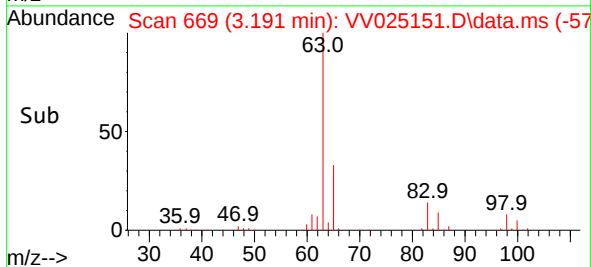
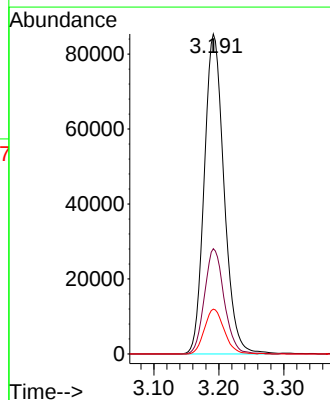
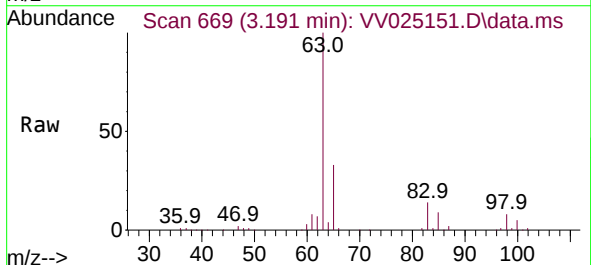
Instrument :
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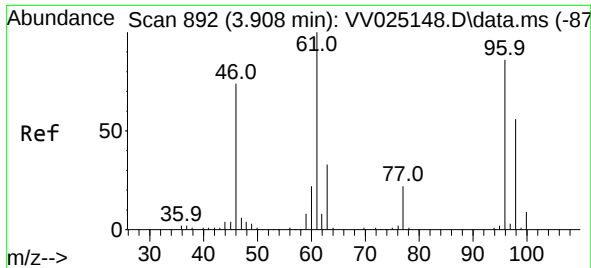
Tgt Ion: 73 Resp: 14869
Ion Ratio Lower Upper
73 100
43 17.8 13.2 19.8
57 22.0 16.7 25.1



#19
1,1-Dichloroethane
Concen: 9.318 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.003 min
Lab File: VV025151.D
Acq: 24 Mar 2022 15:17

Tgt Ion: 63 Resp: 180667
Ion Ratio Lower Upper
63 100
65 32.9 22.2 41.2
83 14.0 9.4 17.4

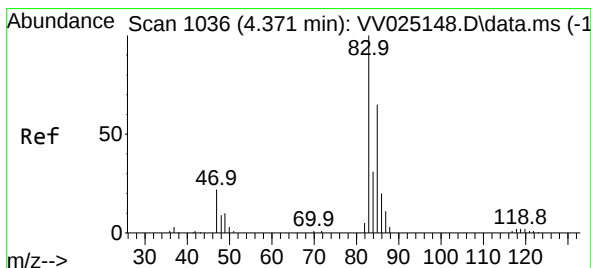
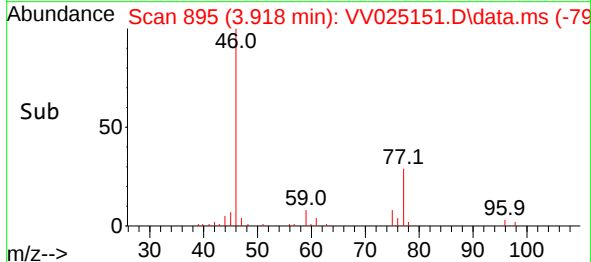
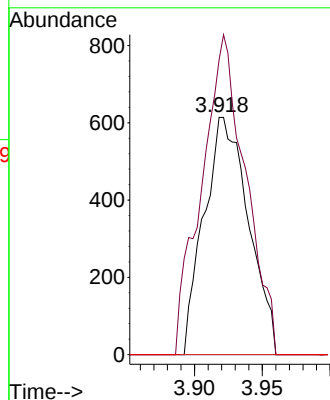
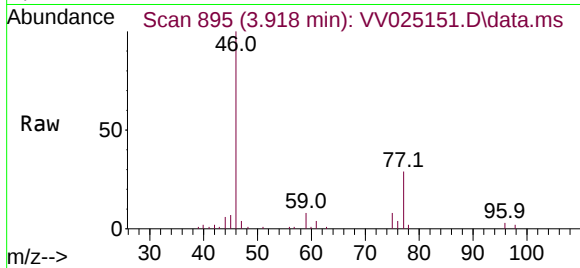




#22
 cis-1,2-Dichloroethene
 Concen: 0.122 ug/L
 RT: 3.918 min Scan# 895
 Delta R.T. 0.010 min
 Lab File: VV025151.D
 Acq: 24 Mar 2022 15:17

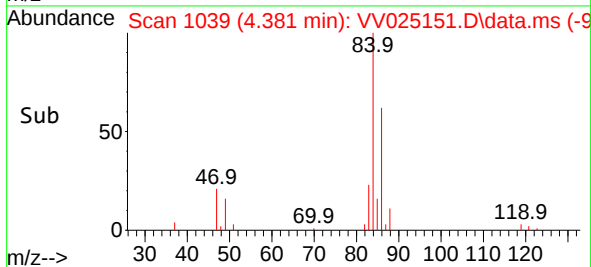
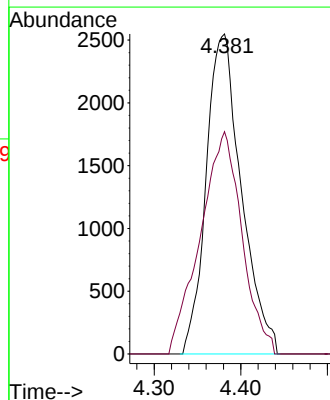
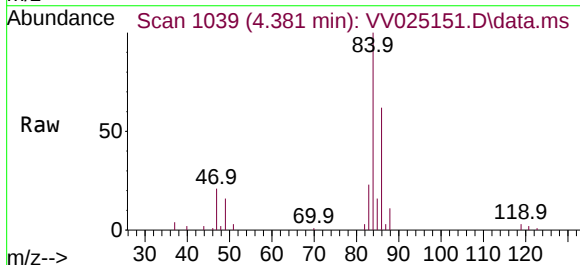
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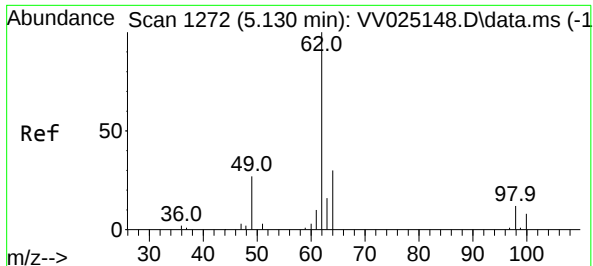
Tgt Ion: 96 Resp: 1403
 Ion Ratio Lower Upper
 96 100
 61 124.3 79.7 147.9
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.356 ug/L
 RT: 4.381 min Scan# 1039
 Delta R.T. 0.010 min
 Lab File: VV025151.D
 Acq: 24 Mar 2022 15:17

Tgt Ion: 83 Resp: 7192
 Ion Ratio Lower Upper
 83 100
 85 69.5 44.5 82.7





#27

1,2-Dichloroethane

Concen: 0.120 ug/L

RT: 5.146 min Scan# 1111

Delta R.T. 0.016 min

Lab File: VV025151.D

Acq: 24 Mar 2022 15:17

Instrument :

MSVOA_V

ClientSampleId :

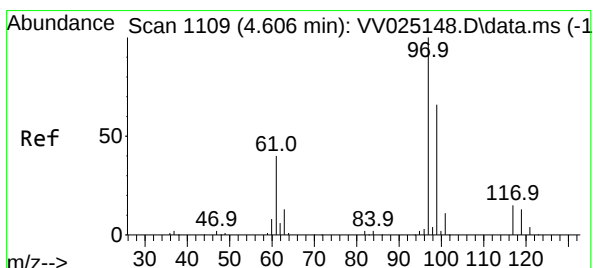
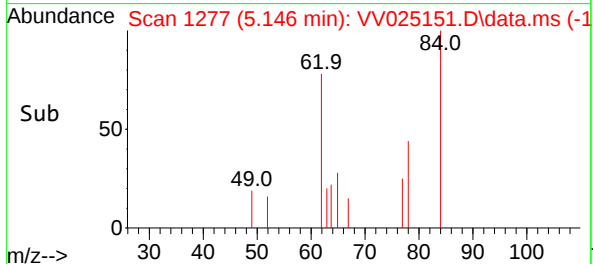
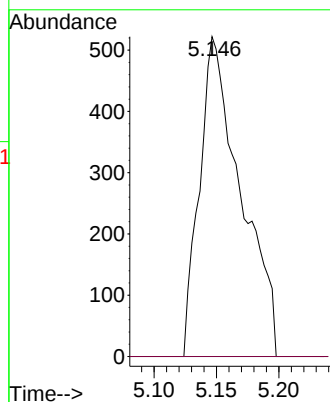
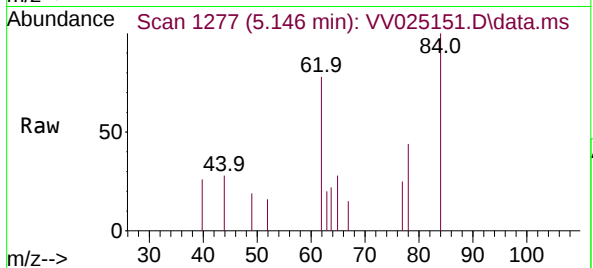
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Tgt Ion: 62 Resp: 1201

Ion Ratio Lower Upper

62 100

98 0.0 9.0 13.4#



#29

1,1,1-Trichloroethane

Concen: 0.895 ug/L

RT: 4.613 min Scan# 1111

Delta R.T. 0.007 min

Lab File: VV025151.D

Acq: 24 Mar 2022 15:17

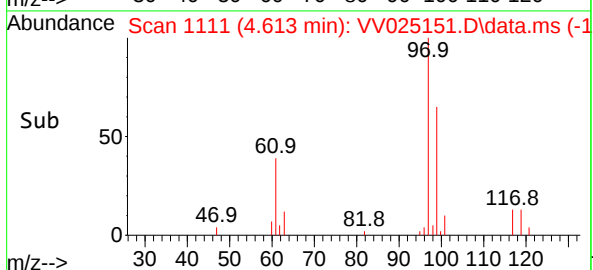
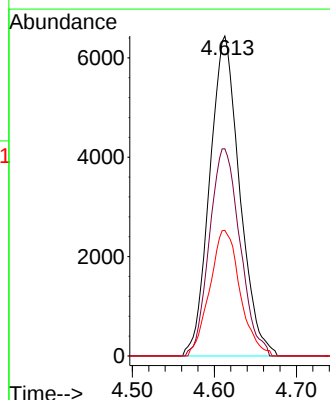
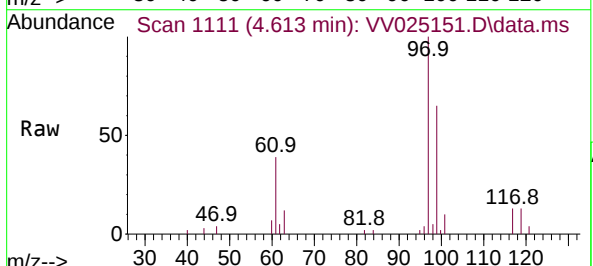
Tgt Ion: 97 Resp: 16333

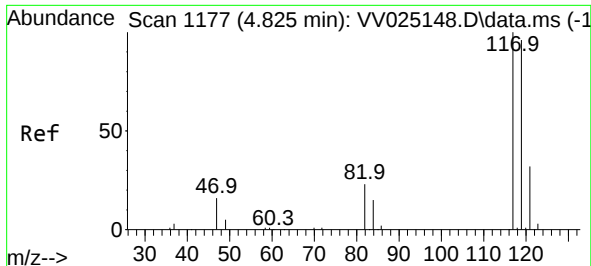
Ion Ratio Lower Upper

97 100

99 66.2 50.7 76.1

61 39.8 32.4 48.6

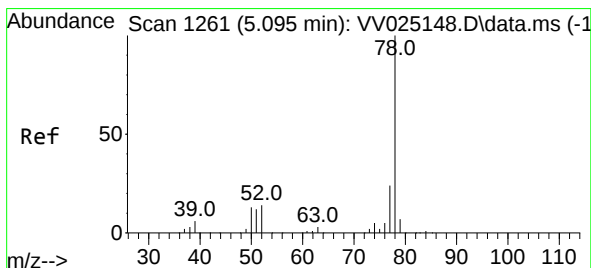
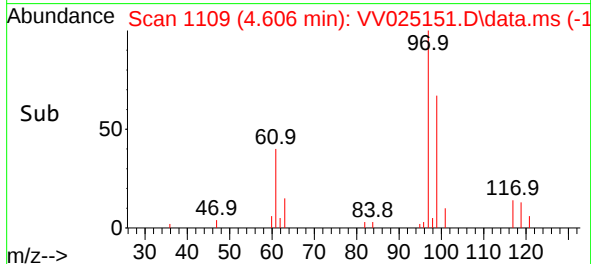
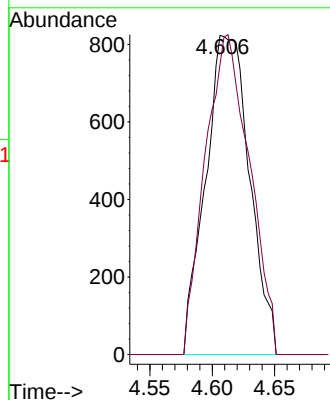
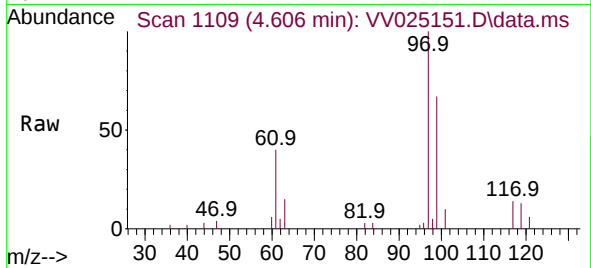




#31
Carbon tetrachloride
Concen: 0.129 ug/L
RT: 4.606 min Scan# 1177
Delta R.T. -0.219 min
Lab File: VV025151.D
Acq: 24 Mar 2022 15:17

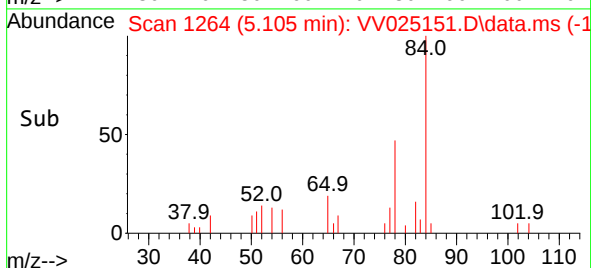
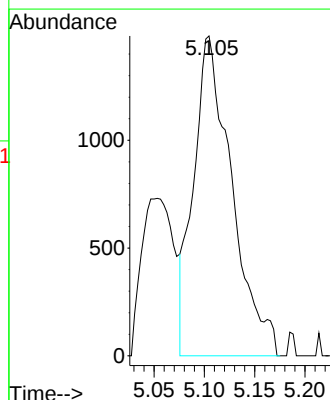
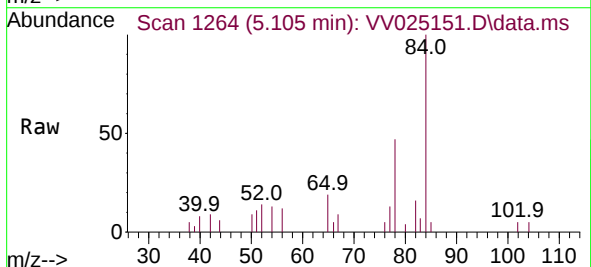
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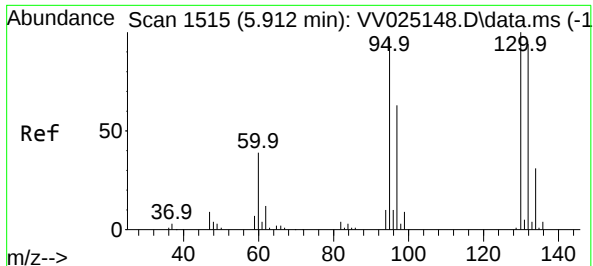
Tgt Ion:117 Resp: 2021
Ion Ratio Lower Upper
117 100
119 101.2 76.8 115.2



#33
Benzene
Concen: 0.084 ug/L
RT: 5.105 min Scan# 1264
Delta R.T. 0.010 min
Lab File: VV025151.D
Acq: 24 Mar 2022 15:17

Tgt Ion: 78 Resp: 3918

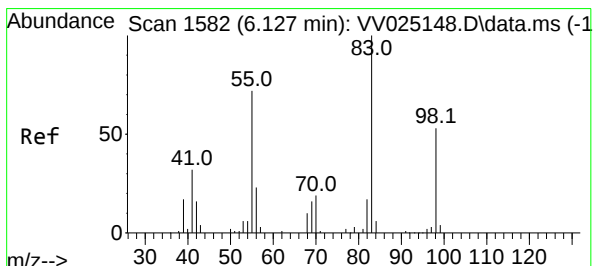
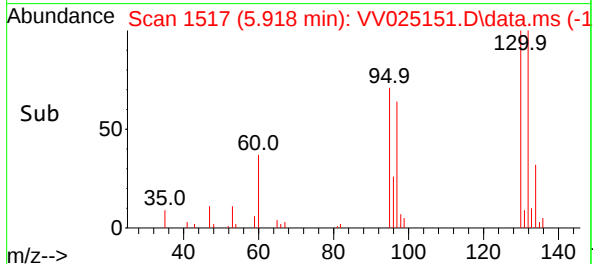
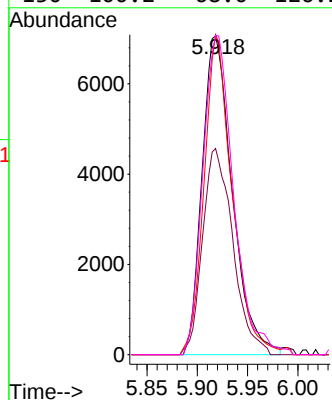
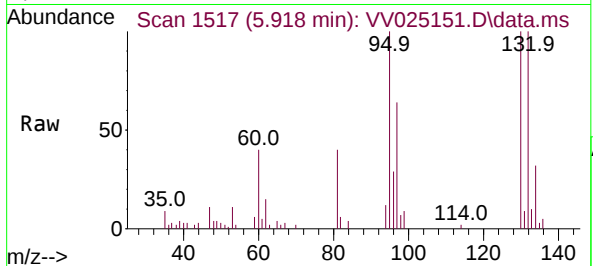




#34
Trichloroethene
Concen: 1.189 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.007 min
Lab File: VV025151.D
Acq: 24 Mar 2022 15:17

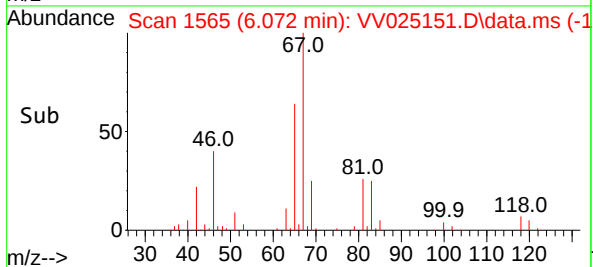
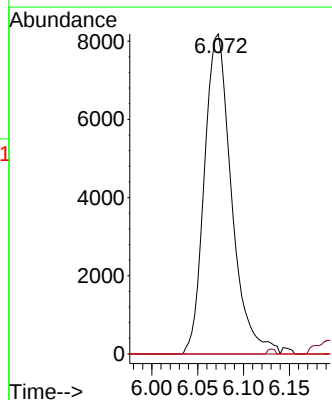
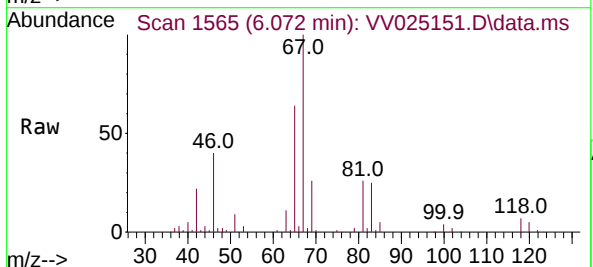
Instrument :
MSVOA_V
ClientSampleId :
BFY36

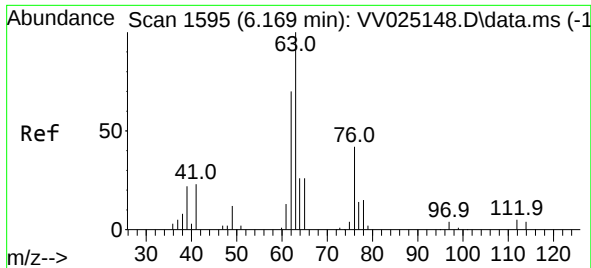
Tgt Ion: 95 Resp: 14732
Ion Ratio Lower Upper
95 100
97 64.7 44.5 82.7
132 100.4 66.5 123.5
130 100.2 68.0 126.2



#35
Methylcyclohexane
Concen: 0.858 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.055 min
Lab File: VV025151.D
Acq: 24 Mar 2022 15:17

Tgt Ion: 83 Resp: 16825
Ion Ratio Lower Upper
83 100
55 0.4 55.4 83.0#
98 2.6 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 0.122 ug/L

RT: 6.188 min Scan# 1

Delta R.T. 0.019 min

Lab File: VV025151.D

Acq: 24 Mar 2022 15:17

Instrument :

MSVOA_V

ClientSampleId :

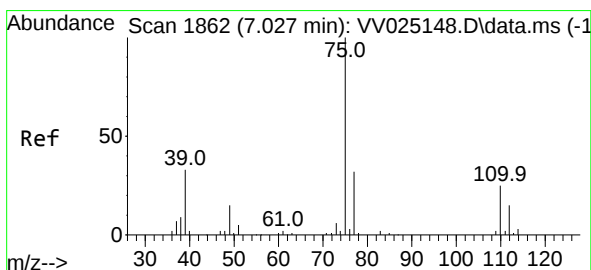
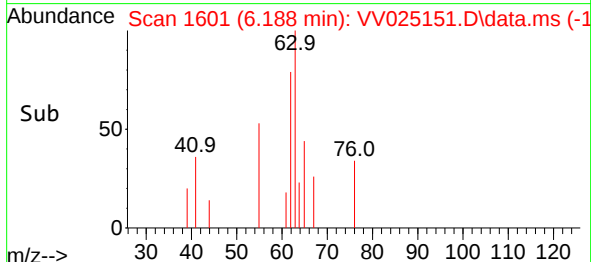
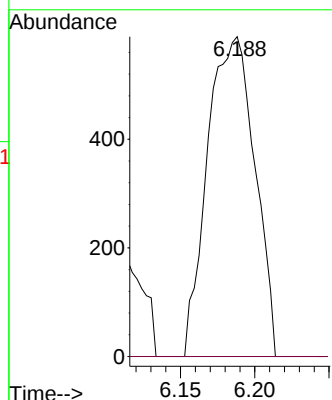
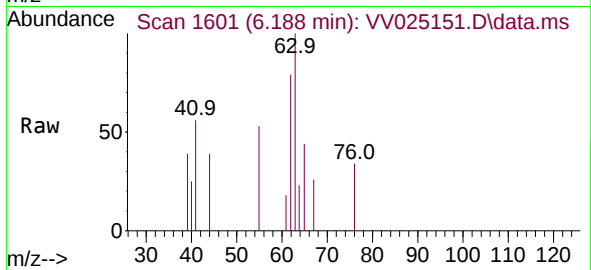
BFY36

Tgt Ion: 63 Resp: 1303

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 6.986 min Scan# 1849

Delta R.T. -0.042 min

Lab File: VV025151.D

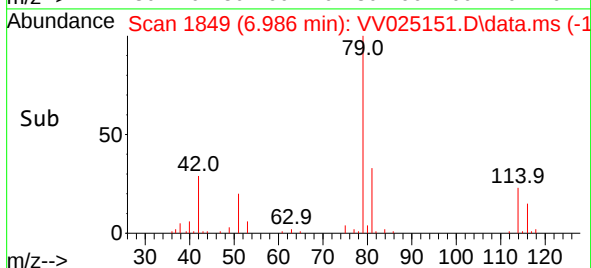
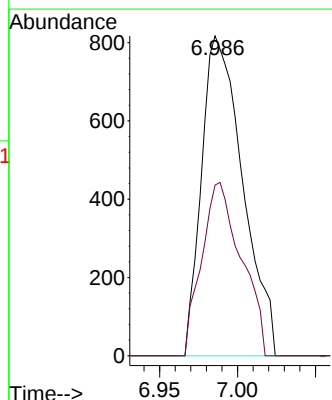
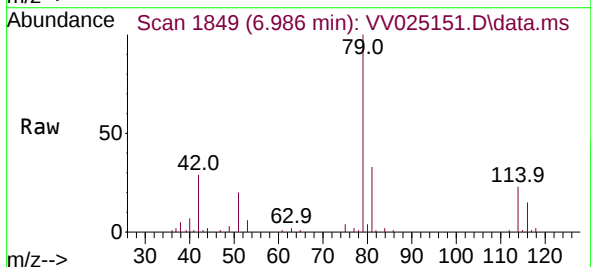
Acq: 24 Mar 2022 15:17

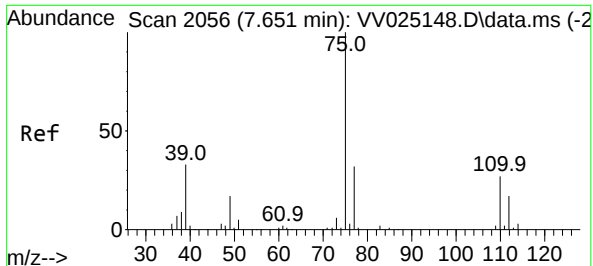
Tgt Ion: 75 Resp: 1499

Ion Ratio Lower Upper

75 100

77 53.4 23.0 42.8#

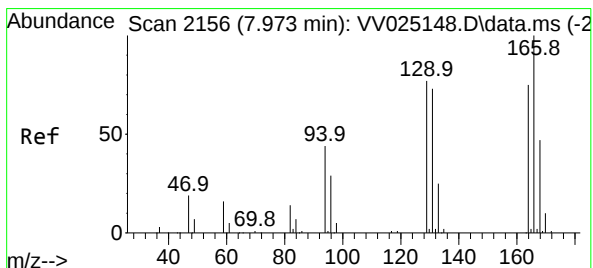
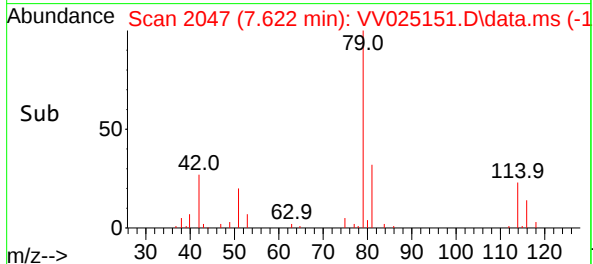
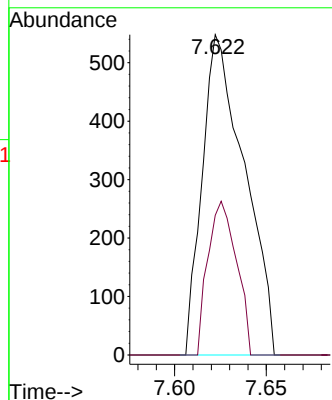
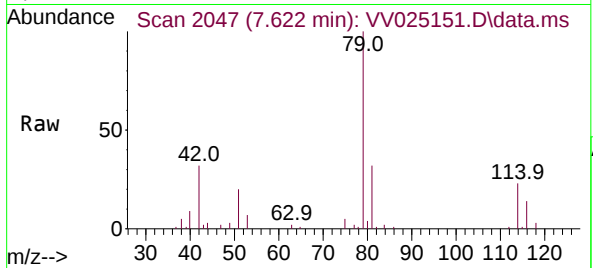




#44
trans-1,3-Dichloropropene
Concen: 0.075 ug/L
RT: 7.622 min Scan# 2056
Delta R.T. -0.029 min
Lab File: VV025151.D
Acq: 24 Mar 2022 15:17

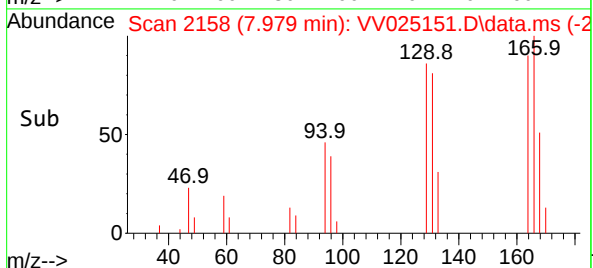
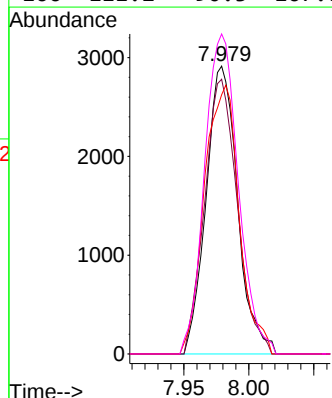
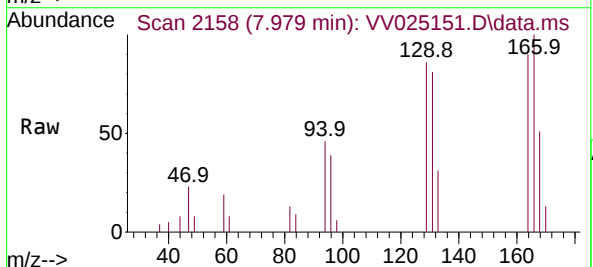
Instrument :
MSVOA_V
ClientSampleId :
BFY36

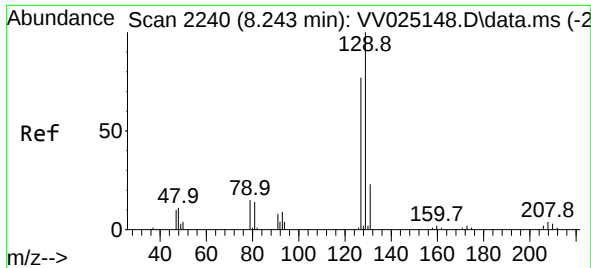
Tgt Ion: 75 Resp: 876
Ion Ratio Lower Upper
75 100
77 43.6 23.0 42.6#



#47
Tetrachloroethene
Concen: 0.564 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.007 min
Lab File: VV025151.D
Acq: 24 Mar 2022 15:17

Tgt Ion: 164 Resp: 4919
Ion Ratio Lower Upper
164 100
129 95.4 70.3 130.7
131 90.0 69.4 129.0
166 111.2 90.3 167.7

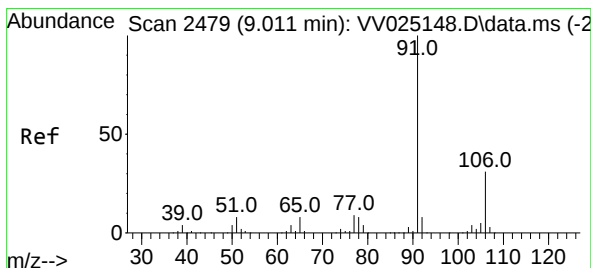
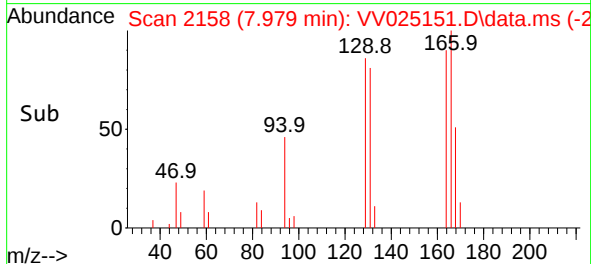
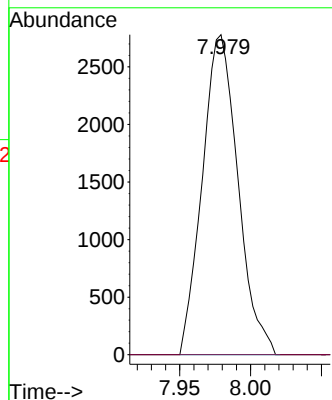
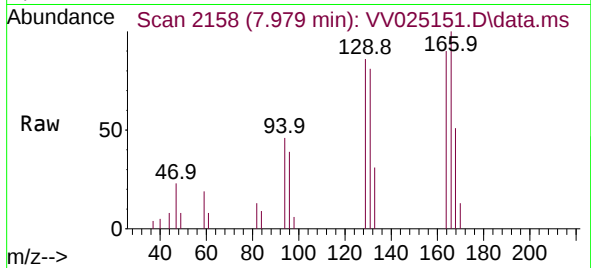




#49
Dibromochloromethane
Concen: 0.609 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.264 min
Lab File: VV025151.D
Acq: 24 Mar 2022 15:17

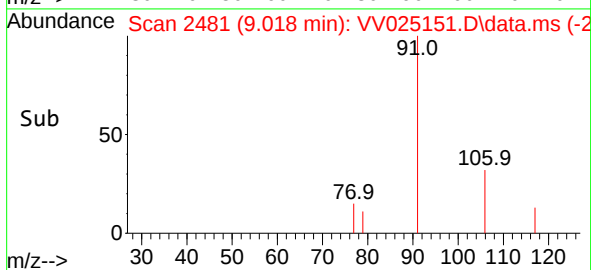
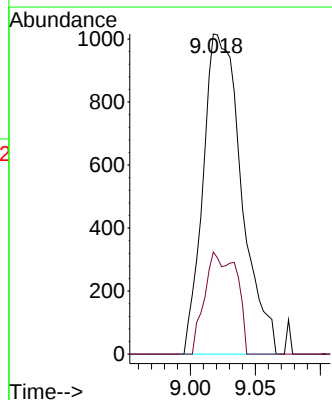
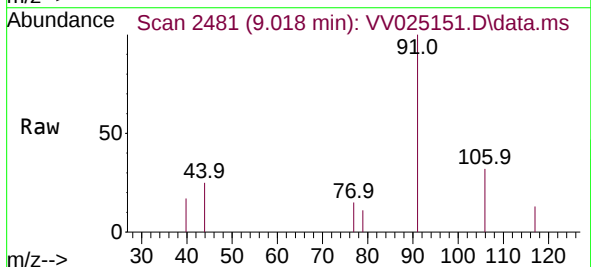
Instrument :
MSVOA_V
ClientSampleId :
BFY36

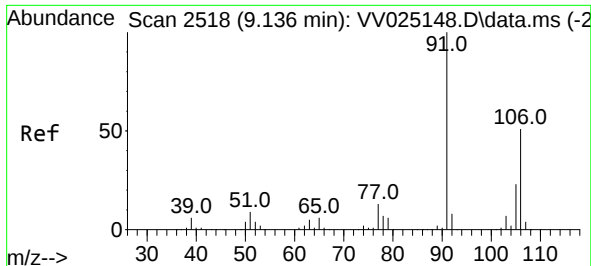
Tgt Ion:129 Resp: 4868
Ion Ratio Lower Upper
129 100
127 0.0 54.9 102.1#



#52
Ethylbenzene
Concen: 0.041 ug/L
RT: 9.018 min Scan# 2481
Delta R.T. 0.007 min
Lab File: VV025151.D
Acq: 24 Mar 2022 15:17

Tgt Ion: 91 Resp: 2088
Ion Ratio Lower Upper
91 100
106 31.9 21.9 40.7

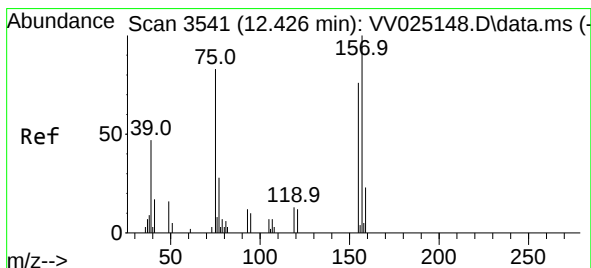
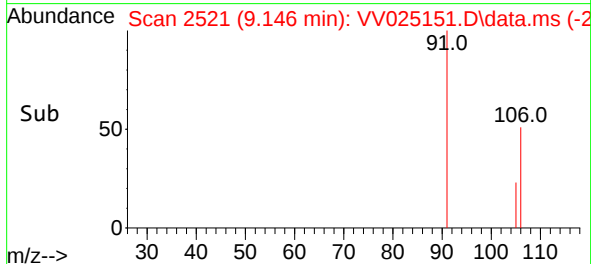
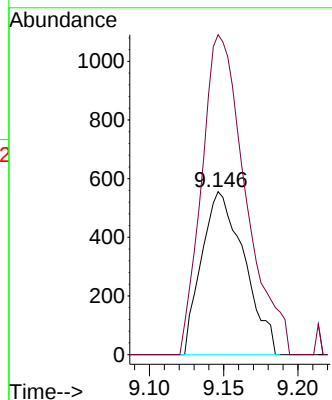
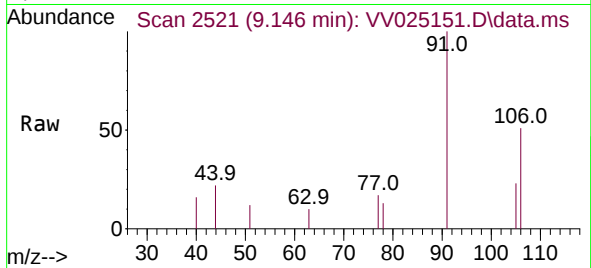




#53
m,p-Xylene
Concen: 0.056 ug/L
RT: 9.146 min Scan# 2110
Delta R.T. 0.010 min
Lab File: VV025151.D
Acq: 24 Mar 2022 15:17

Instrument :
MSVOA_V
ClientSampleId :
BFY36

Tgt Ion:106 Resp: 1110
Ion Ratio Lower Upper
106 100
91 196.2 143.4 266.4



#68
1,2-Dibromo-3-chloropropane
Concen: 0.568 ug/L
RT: 12.246 min Scan# 3485
Delta R.T. -0.180 min
Lab File: VV025151.D
Acq: 24 Mar 2022 15:17

Tgt Ion: 75 Resp: 563
Ion Ratio Lower Upper
75 100
155 0.0 65.9 98.9#
157 0.0 89.7 134.5#

