

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040622\
 Data File : VW025366.D
 Acq On : 06 Apr 2022 16:12
 Operator : SY/MD
 Sample : N2261-05
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFY41

Quant Time: Apr 07 01:27:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 07 01:24:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	141344	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	131248	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	64228	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	52323	3.963	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.200%
7) Chloroethane-d5	1.568	69	52644	4.751	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.000%
11) 1,1-Dichloroethene-d2	2.108	63	85719	2.997	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.000%
20) 2-Butanone-d5	3.883	46	70377	53.513	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.020%
24) Chloroform-d	4.349	84	87100	5.055	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
26) 1,2-Dichloroethane-d4	5.034	65	39897	5.239	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
32) Benzene-d6	5.050	84	162046	4.880	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
36) 1,2-Dichloropropane-d6	6.069	67	48952	5.260	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.200%
41) Toluene-d8	7.317	98	134005	4.400	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
43) trans-1,3-Dichloroprop...	7.625	79	14511	4.780	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.600%
46) 2-Hexanone-d5	8.088	63	55766	50.862	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.720%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	35454	5.714	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	56493	5.476	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.600%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.121	96	8569	0.602	ug/L #	1
13) Acetone	2.169	43	12307	12.264	ug/L	81
15) Methyl Acetate	2.645	43	1670	0.731	ug/L #	49
17) Methyl tert-butyl Ether	2.770	73	5095	0.283	ug/L #	77
19) 1,1-Dichloroethane	3.191	63	16141	0.947	ug/L	99
22) cis-1,2-Dichloroethene	3.909	96	1433	0.138	ug/L	75
25) Chloroform	4.378	83	3945	0.209	ug/L	91
29) 1,1,1-Trichloroethane	4.613	97	4680	0.295	ug/L	97
31) Carbon tetrachloride	4.606	117	502	0.037	ug/L #	77
33) Benzene	5.111	78	3855	0.100	ug/L	100
34) Trichloroethene	5.918	95	3111	0.294	ug/L	83
35) Methylcyclohexane	6.069	83	12932	0.781	ug/L #	21
37) 1,2-Dichloropropane	6.069	63	5591	0.626	ug/L #	84
47) Tetrachloroethene	7.976	164	4806	0.617	ug/L	95
49) Dibromochloromethane	8.252	129	234	0.036	ug/L	89
57) 1,1,2,2-Tetrachloroethane	10.252	83	2395	0.376	ug/L #	1
61) 1,2,3-Trichloropropane	10.387	75	331	0.068	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.336	105	9460	0.495	ug/L	91
63) 1,2,4-Trimethylbenzene	10.915	105	4541	0.133	ug/L	89

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QLast Update : Thu Apr 07 01:24:47 2022
Response via : Initial Calibration

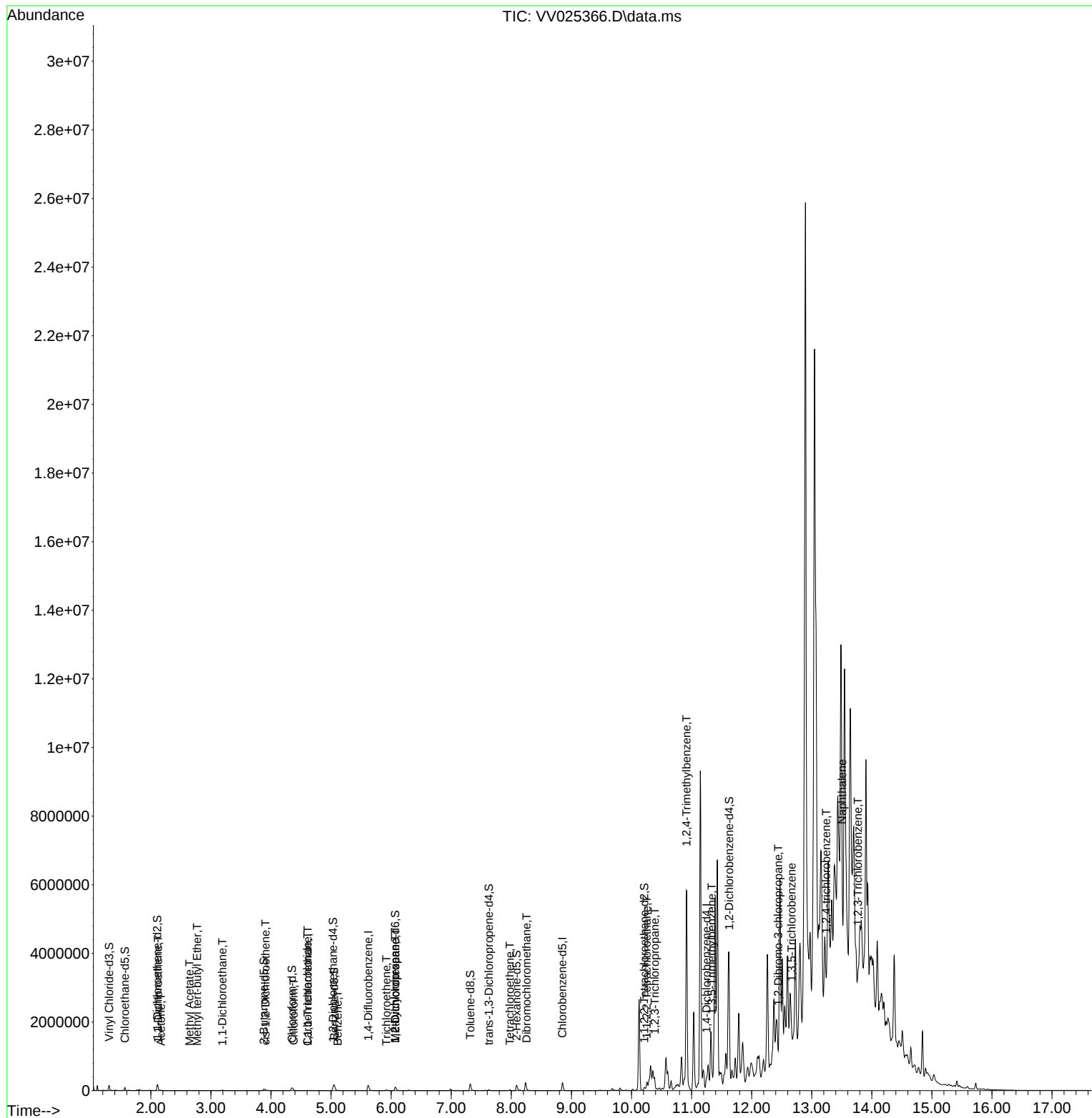
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	12.442	75	191	0.220	ug/L #	1
69) 1,3,5-Trichlorobenzene	12.664	180	936	0.065	ug/L #	67
70) 1,2,4-trichlorobenzene	13.239	180	6069	0.559	ug/L #	68
71) Naphthalene	13.506	128	7871	0.465	ug/L #	40
72) 1,2,3-Trichlorobenzene	13.770	180	84750	9.059	ug/L #	24

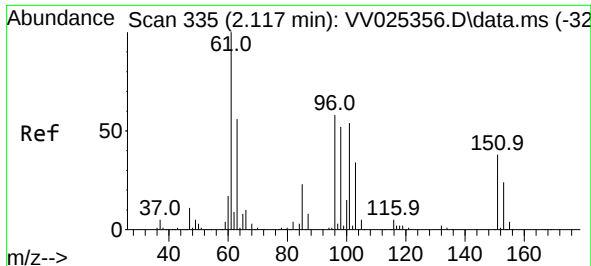
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.602 ug/L

RT: 2.121 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV025366.D

Acq: 06 Apr 2022 16:12

Instrument :

MSVOA_V

ClientSampleId :

BFY41

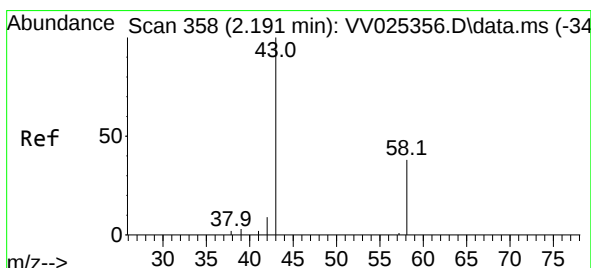
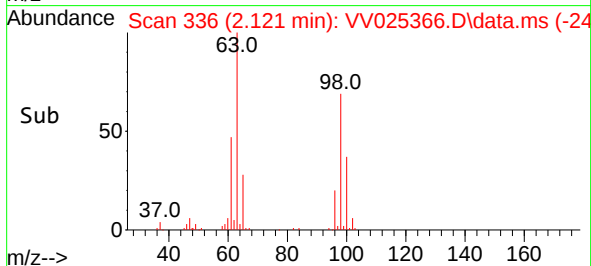
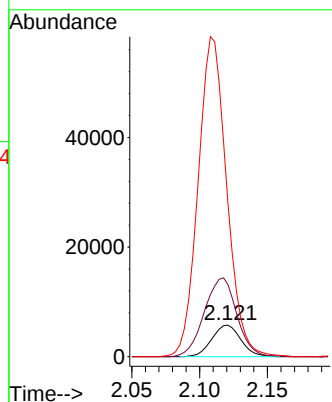
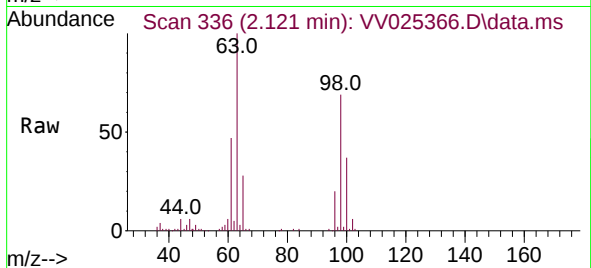
Tgt Ion: 96 Resp: 8569

Ion Ratio Lower Upper

96 100

61 228.7 121.5 225.7#

63 489.4 77.9 144.7#



#13

Acetone

Concen: 12.264 ug/L

RT: 2.169 min Scan# 351

Delta R.T. -0.022 min

Lab File: VV025366.D

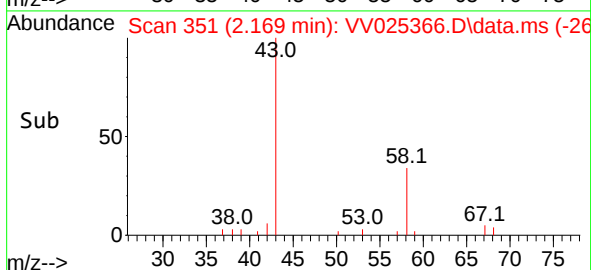
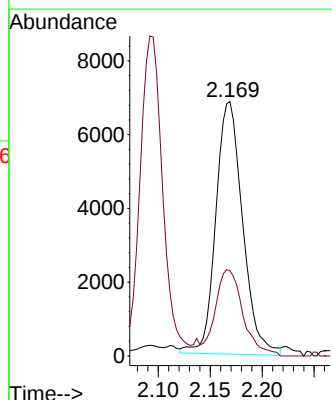
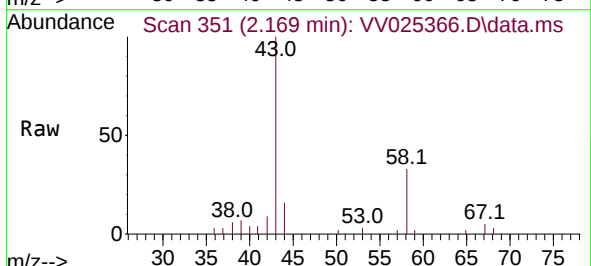
Acq: 06 Apr 2022 16:12

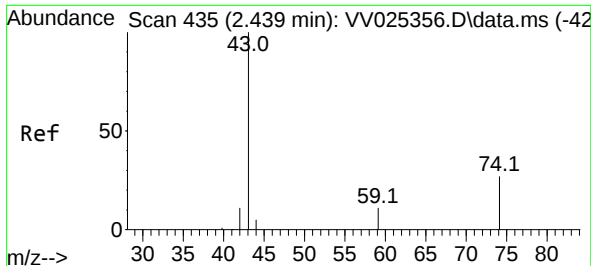
Tgt Ion: 43 Resp: 12307

Ion Ratio Lower Upper

43 100

58 35.2 0.0 51.2

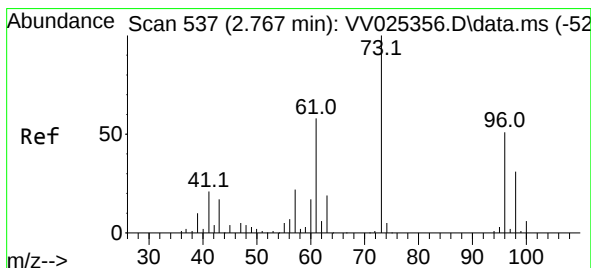
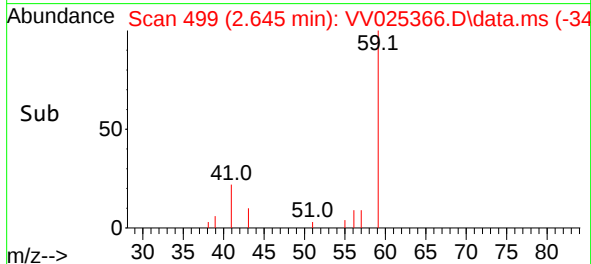
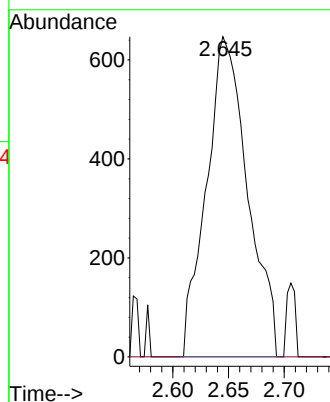
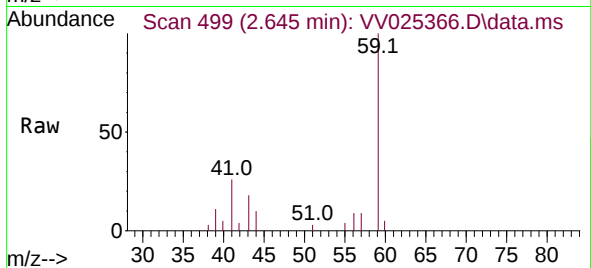




#15
Methyl Acetate
Concen: 0.731 ug/L
RT: 2.645 min Scan# 499
Delta R.T. 0.206 min
Lab File: VV025366.D
Acq: 06 Apr 2022 16:12

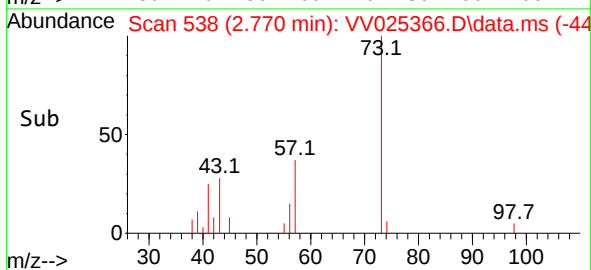
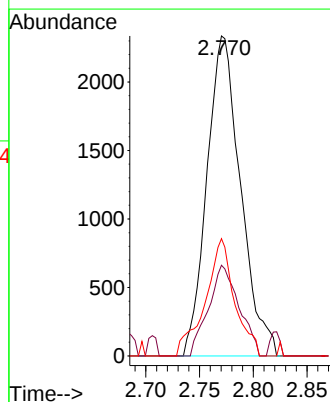
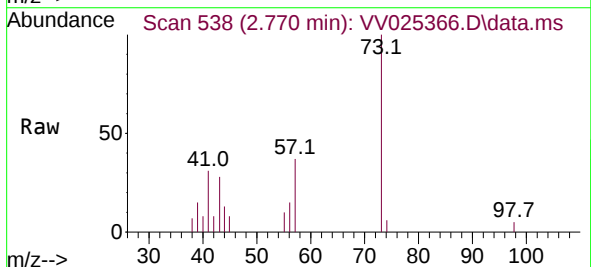
Instrument :
MSVOA_V
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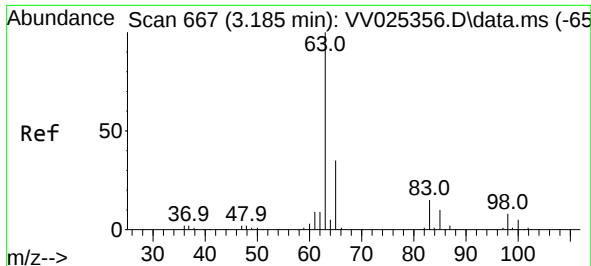
Tgt Ion: 43 Resp: 1670
Ion Ratio Lower Upper
43 100
74 0.0 20.9 31.3#



#17
Methyl tert-butyl Ether
Concen: 0.283 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV025366.D
Acq: 06 Apr 2022 16:12

Tgt Ion: 73 Resp: 5095
Ion Ratio Lower Upper
73 100
43 25.8 13.5 20.3#
57 31.9 16.4 24.6#





#19

1,1-Dichloroethane

Concen: 0.947 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.007 min

Lab File: VV025366.D

Acq: 06 Apr 2022 16:12

Instrument :

MSVOA_V

ClientSampleId :

BFY41

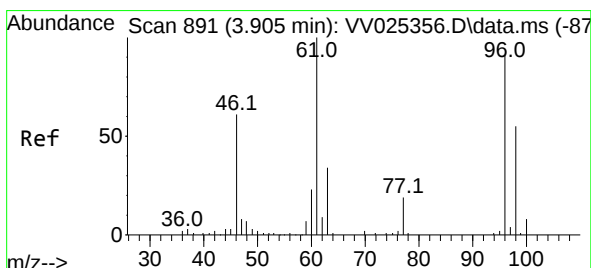
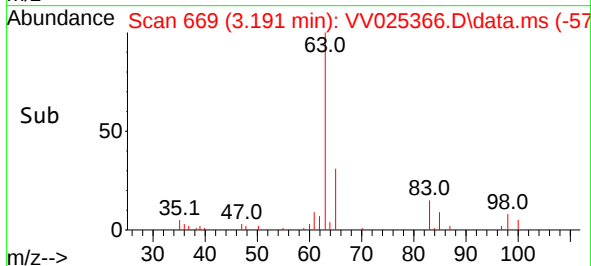
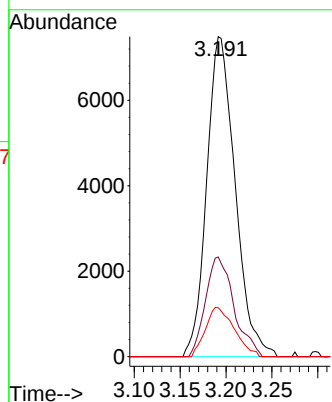
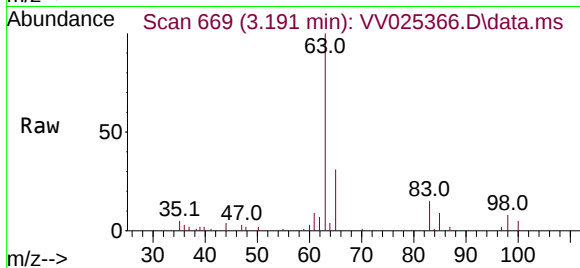
Tgt Ion: 63 Resp: 16141

Ion Ratio Lower Upper

63 100

65 31.2 22.0 40.8

83 15.3 10.2 19.0



#22

cis-1,2-Dichloroethene

Concen: 0.138 ug/L

RT: 3.909 min Scan# 892

Delta R.T. 0.003 min

Lab File: VV025366.D

Acq: 06 Apr 2022 16:12

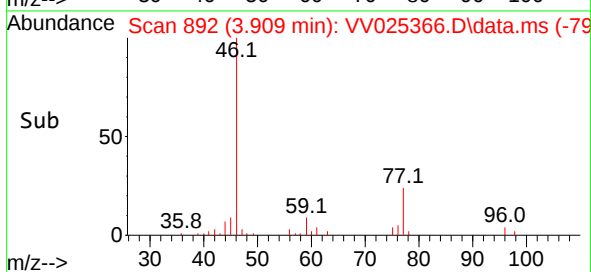
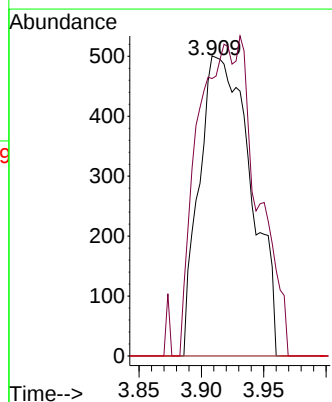
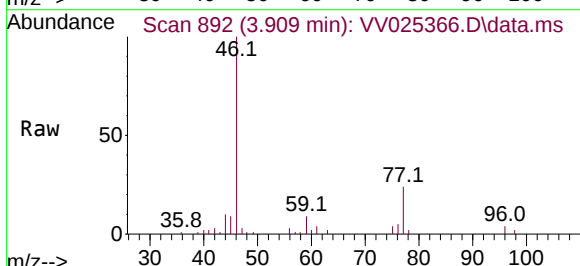
Tgt Ion: 96 Resp: 1433

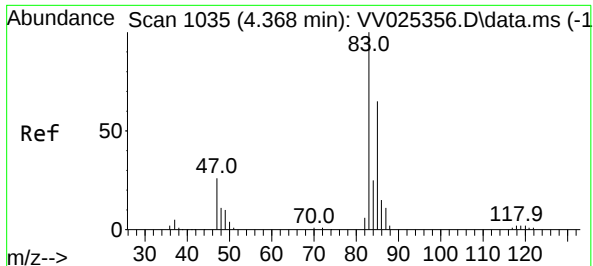
Ion Ratio Lower Upper

96 100

61 92.4 84.1 156.1

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.209 ug/L

RT: 4.378 min Scan# 1108

Delta R.T. 0.010 min

Lab File: VV025366.D

Acq: 06 Apr 2022 16:12

Instrument :

MSVOA_V

ClientSampleId :

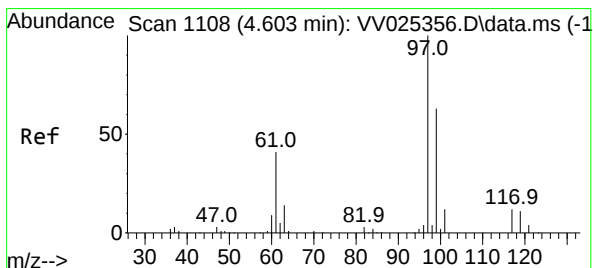
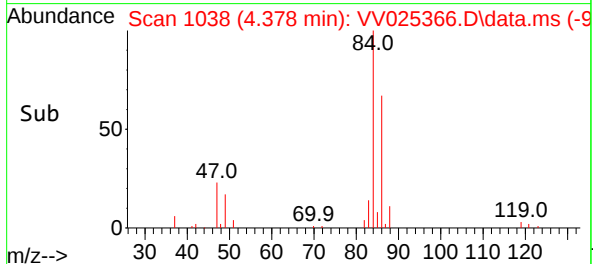
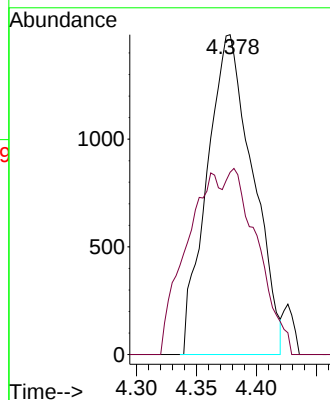
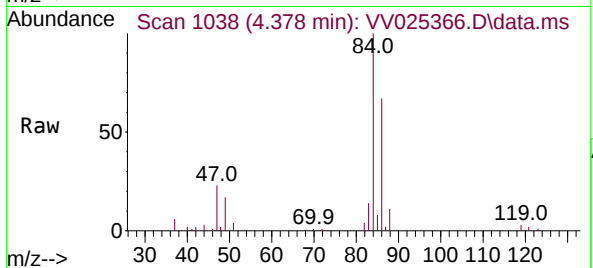
BFY41

Tgt Ion: 83 Resp: 3945

Ion Ratio Lower Upper

83 100

85 57.0 44.7 82.9



#29

1,1,1-Trichloroethane

Concen: 0.295 ug/L

RT: 4.613 min Scan# 1111

Delta R.T. 0.010 min

Lab File: VV025366.D

Acq: 06 Apr 2022 16:12

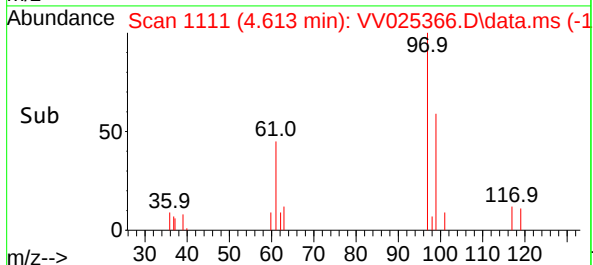
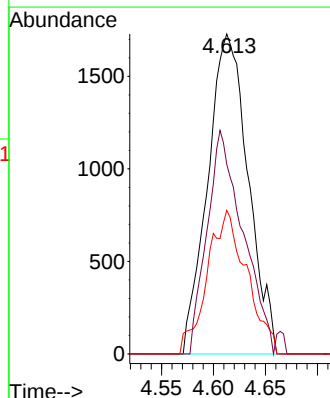
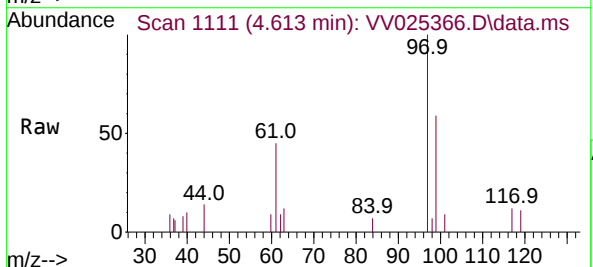
Tgt Ion: 97 Resp: 4680

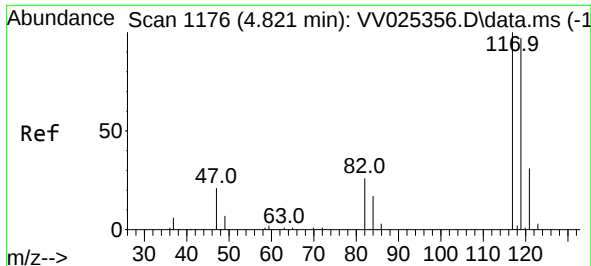
Ion Ratio Lower Upper

97 100

99 62.1 51.9 77.9

61 43.7 34.2 51.2

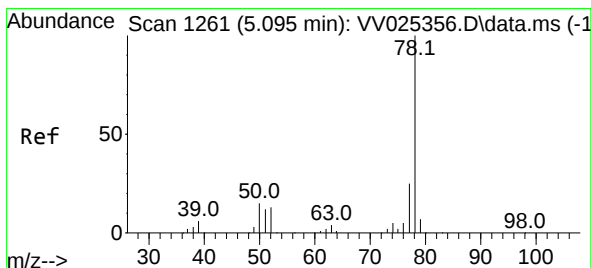
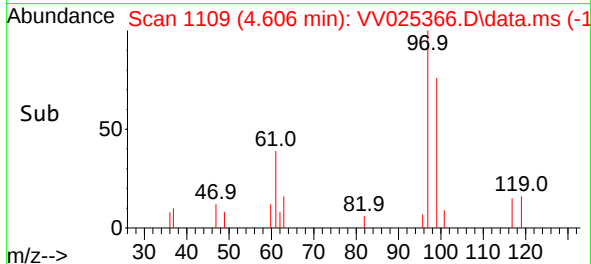
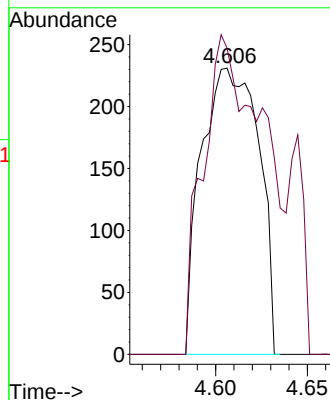
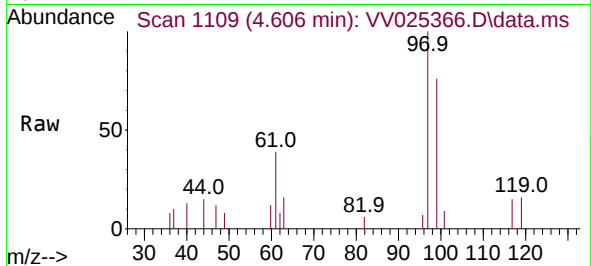




#31
Carbon tetrachloride
Concen: 0.037 ug/L
RT: 4.606 min Scan# 1176
Delta R.T. -0.215 min
Lab File: VV025366.D
Acq: 06 Apr 2022 16:12

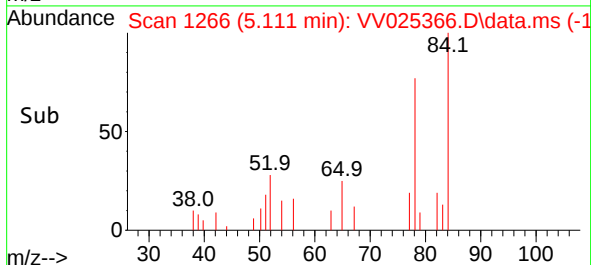
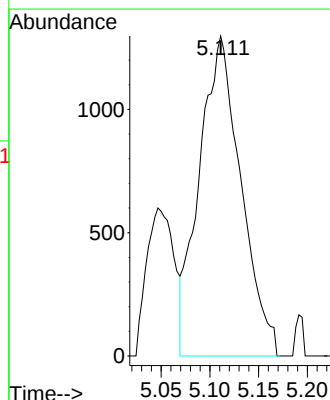
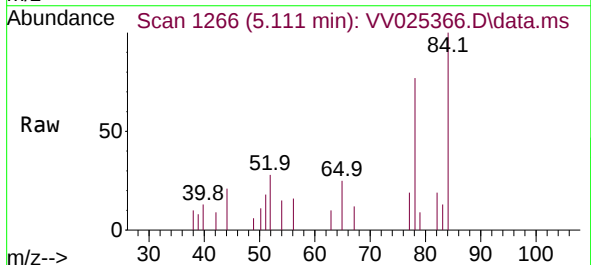
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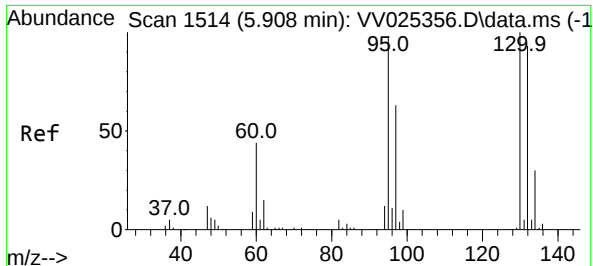
Tgt Ion:117 Resp: 502
Ion Ratio Lower Upper
117 100
119 119.5 77.8 116.6#



#33
Benzene
Concen: 0.100 ug/L
RT: 5.111 min Scan# 1266
Delta R.T. 0.016 min
Lab File: VV025366.D
Acq: 06 Apr 2022 16:12

Tgt Ion: 78 Resp: 3855



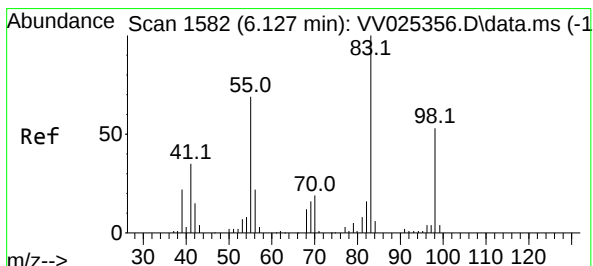
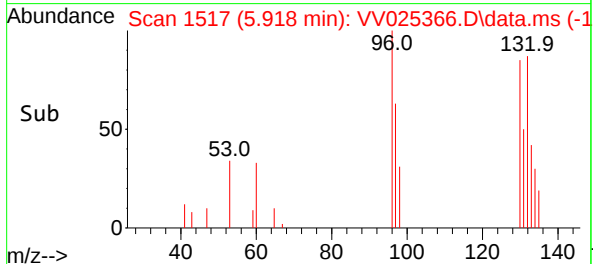
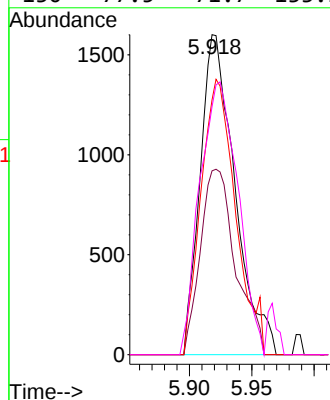
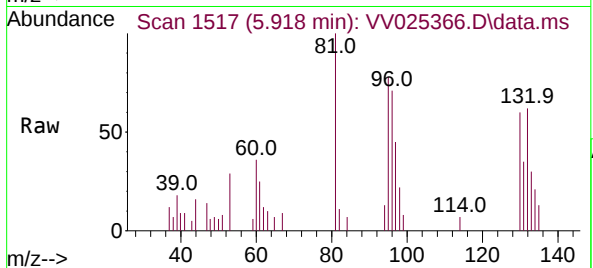


#34
Trichloroethene
Concen: 0.294 ug/L
RT: 5.918 min Scan# 1514
Delta R.T. 0.010 min
Lab File: VV025366.D
Acq: 06 Apr 2022 16:12

Instrument :
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ClientSampleId :
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Tgt Ion: 95 Resp: 3111

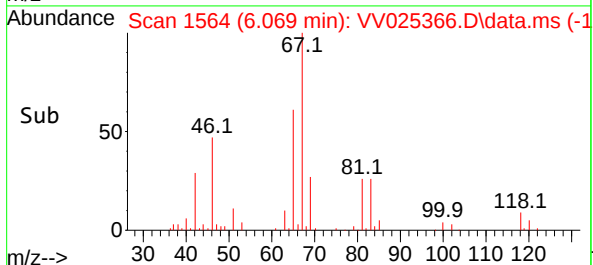
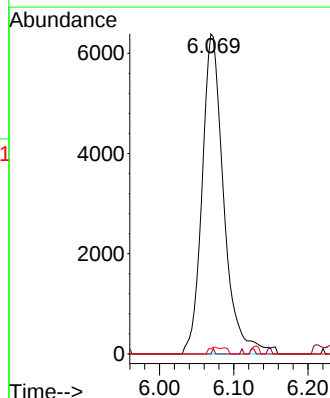
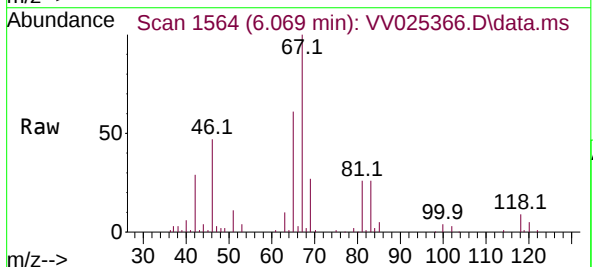
Ion	Ratio	Lower	Upper
95	100		
97	57.5	46.3	85.9
132	79.6	65.2	121.2
130	77.5	71.7	133.1

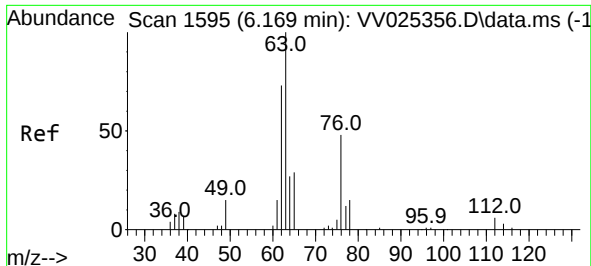


#35
Methylcyclohexane
Concen: 0.781 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.058 min
Lab File: VV025366.D
Acq: 06 Apr 2022 16:12

Tgt Ion: 83 Resp: 12932

Ion	Ratio	Lower	Upper
83	100		
55	0.0	54.6	81.8#
98	1.0	39.8	59.6#





#37

1,2-Dichloropropane

Concen: 0.626 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.099 min

Lab File: VV025366.D

Acq: 06 Apr 2022 16:12

Instrument :

MSVOA_V

ClientSampleId :

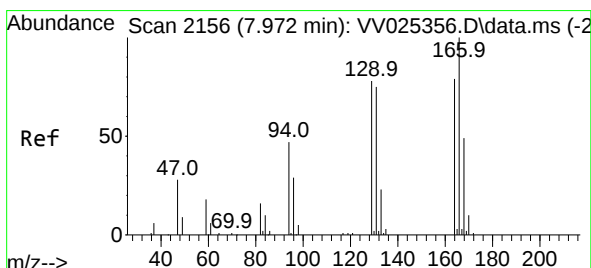
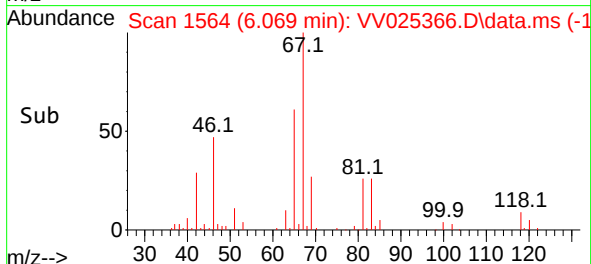
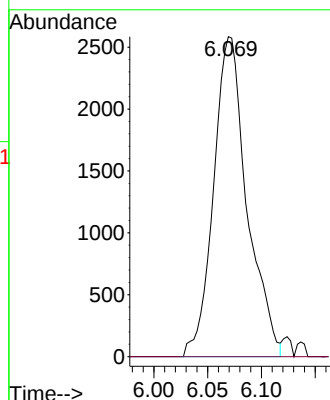
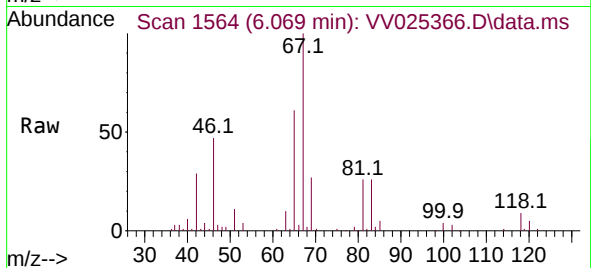
BFY41

Tgt Ion: 63 Resp: 5591

Ion Ratio Lower Upper

63 100

112 0.0 4.2 6.2#



#47

Tetrachloroethene

Concen: 0.617 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV025366.D

Acq: 06 Apr 2022 16:12

Tgt Ion: 164 Resp: 4806

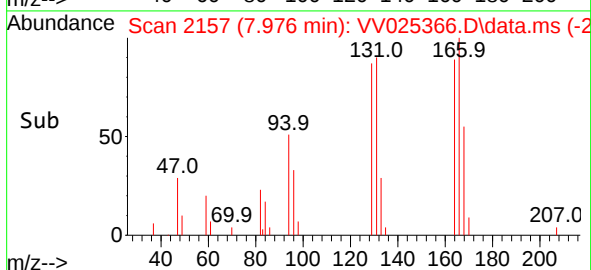
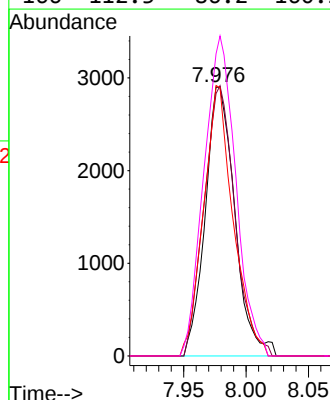
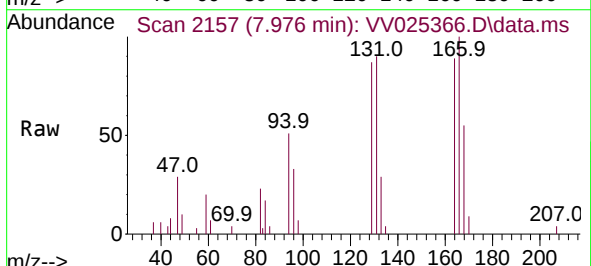
Ion Ratio Lower Upper

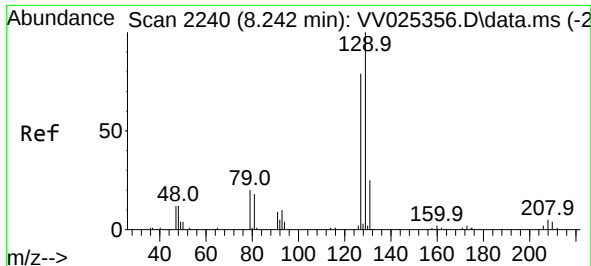
164 100

129 97.6 67.5 125.4

131 100.5 68.0 126.4

166 112.3 86.2 160.2





#49

Dibromochloromethane

Concen: 0.036 ug/L

RT: 8.252 min Scan# 21

Delta R.T. 0.010 min

Lab File: VV025366.D

Acq: 06 Apr 2022 16:12

Instrument :

MSVOA_V

ClientSampleId :

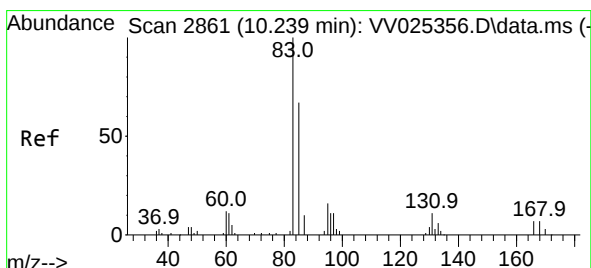
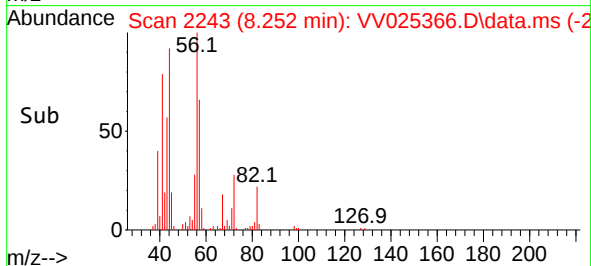
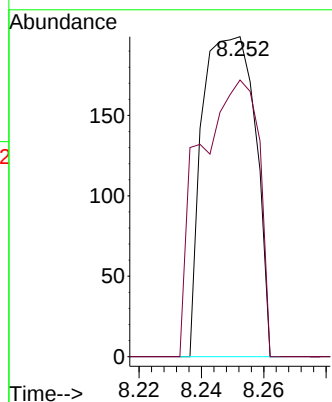
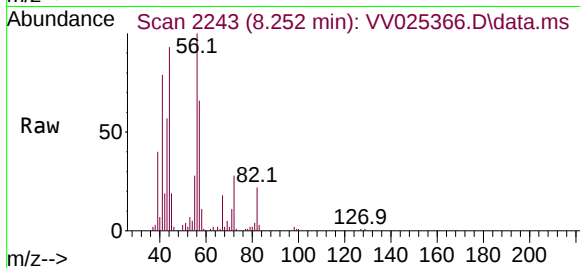
BFY41

Tgt Ion:129 Resp: 234

Ion Ratio Lower Upper

129 100

127 86.4 54.1 100.5



#57

1,1,2,2-Tetrachloroethane

Concen: 0.376 ug/L

RT: 10.252 min Scan# 2865

Delta R.T. 0.013 min

Lab File: VV025366.D

Acq: 06 Apr 2022 16:12

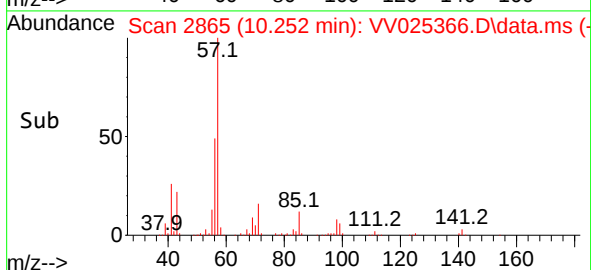
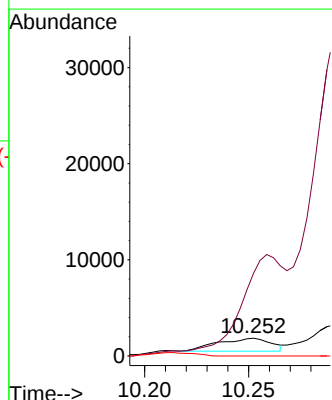
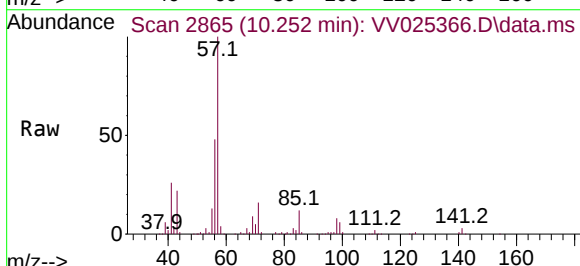
Tgt Ion: 83 Resp: 2395

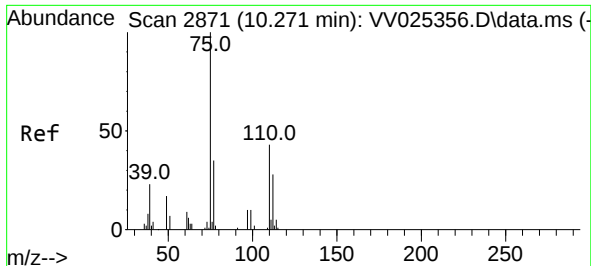
Ion Ratio Lower Upper

83 100

85 465.9 46.2 85.8#

131 0.0 8.1 12.1#

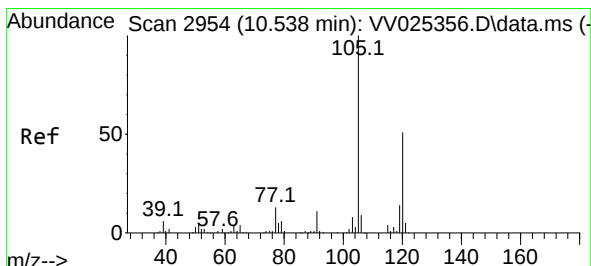
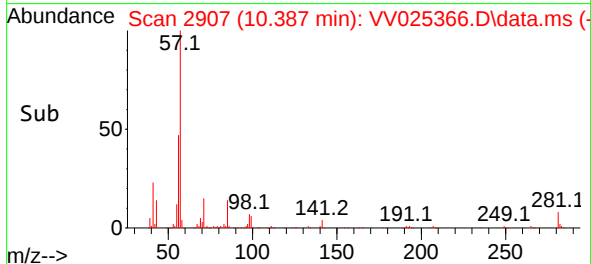
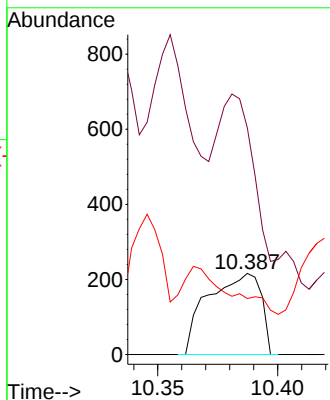
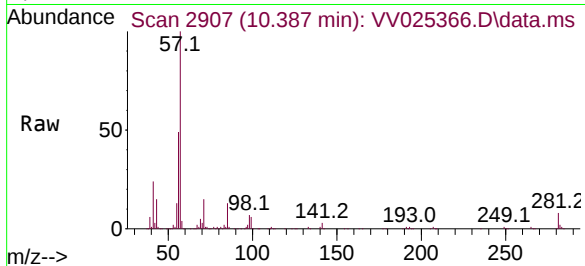




#61
1,2,3-Trichloropropane
Concen: 0.068 ug/L
RT: 10.387 min Scan# 2907
Delta R.T. 0.116 min
Lab File: VV025366.D
Acq: 06 Apr 2022 16:12

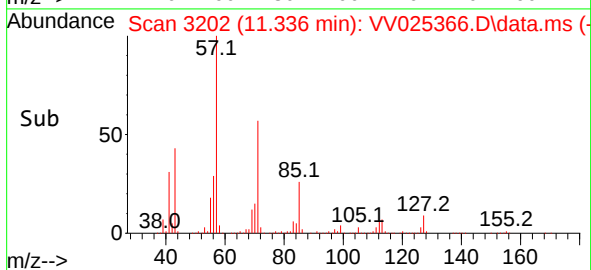
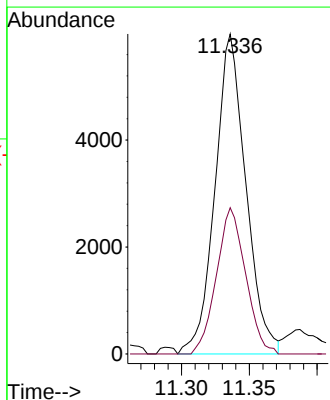
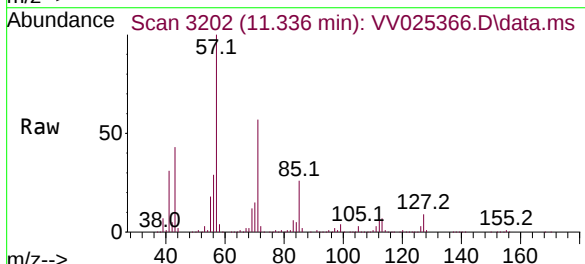
Instrument :
MSVOA_V
ClientSampleId :
BFY41

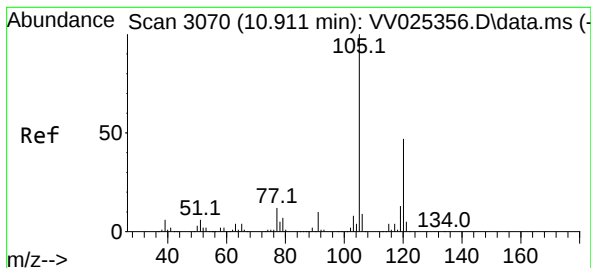
Tgt Ion: 75 Resp: 331
Ion Ratio Lower Upper
75 100
77 377.9 25.8 38.6#
110 0.0 31.6 47.4#



#62
1,3,5-Trimethylbenzene
Concen: 0.495 ug/L
RT: 11.336 min Scan# 3202
Delta R.T. 0.798 min
Lab File: VV025366.D
Acq: 06 Apr 2022 16:12

Tgt Ion: 105 Resp: 9460
Ion Ratio Lower Upper
105 100
120 43.2 39.7 59.5





#63

1,2,4-Trimethylbenzene

Concen: 0.133 ug/L

RT: 10.915 min Scan# 3070

Delta R.T. 0.003 min

Lab File: VV025366.D

Acq: 06 Apr 2022 16:12

Instrument :

MSVOA_V

ClientSampleId :

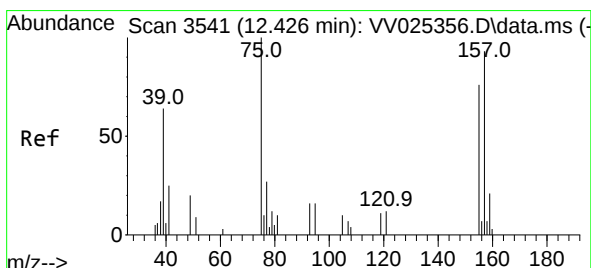
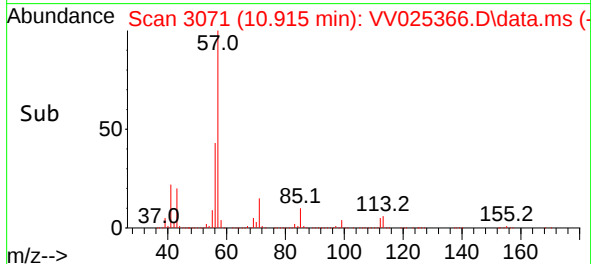
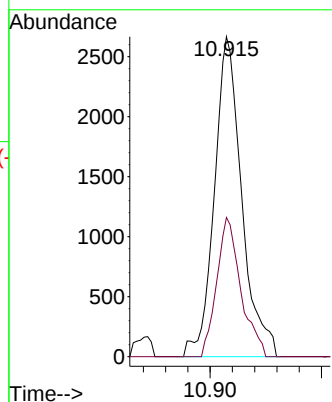
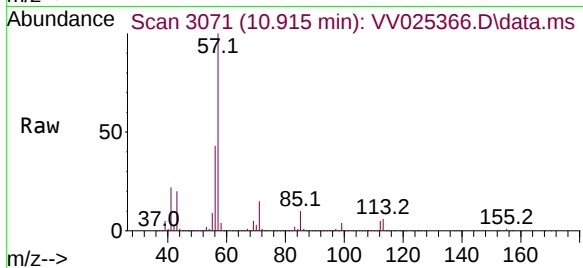
BFY41

Tgt Ion:105 Resp: 4541

Ion Ratio Lower Upper

105 100

120 38.2 36.5 54.7



#68

1,2-Dibromo-3-chloropropane

Concen: 0.220 ug/L

RT: 12.442 min Scan# 3546

Delta R.T. 0.016 min

Lab File: VV025366.D

Acq: 06 Apr 2022 16:12

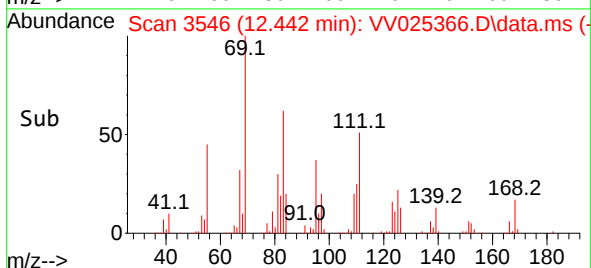
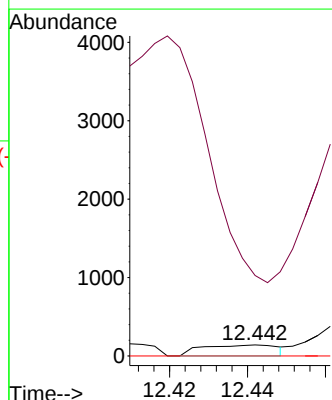
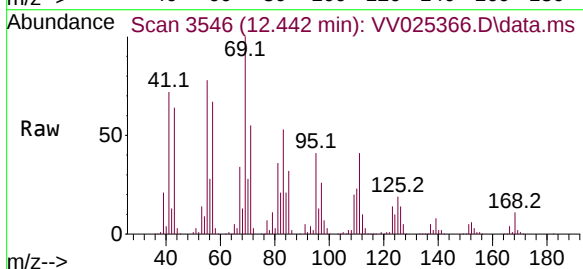
Tgt Ion: 75 Resp: 191

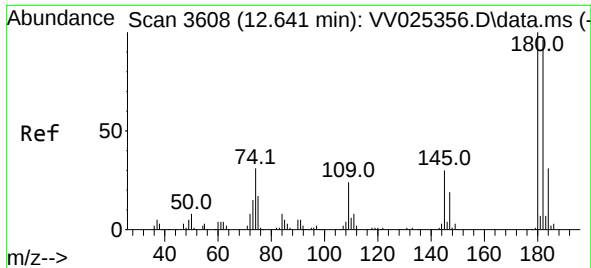
Ion Ratio Lower Upper

75 100

155 728.4 80.0 120.0#

157 0.0 94.5 141.7#

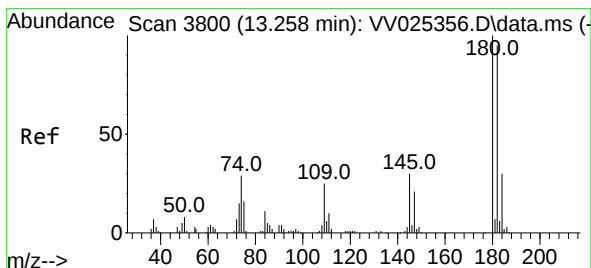
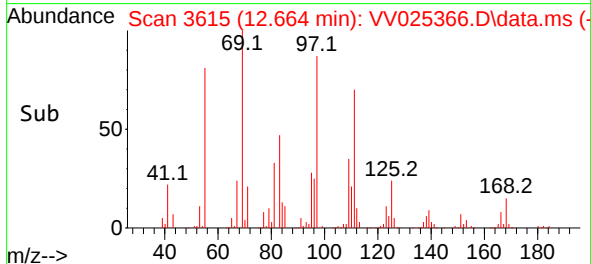
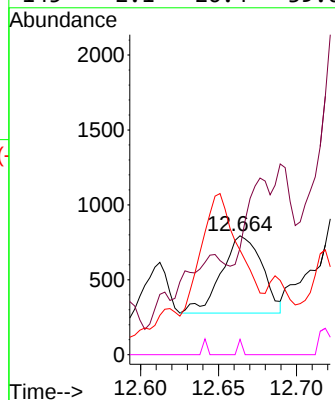
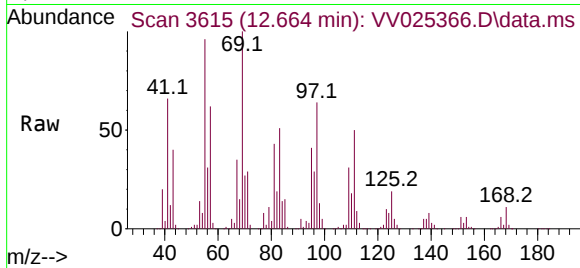




#69
 1,3,5-Trichlorobenzene
 Concen: 0.065 ug/L
 RT: 12.664 min Scan# 30
 Delta R.T. 0.023 min
 Lab File: VV025366.D
 Acq: 06 Apr 2022 16:12

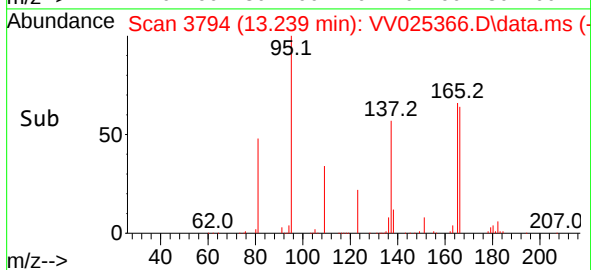
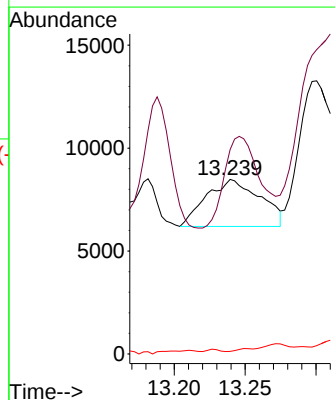
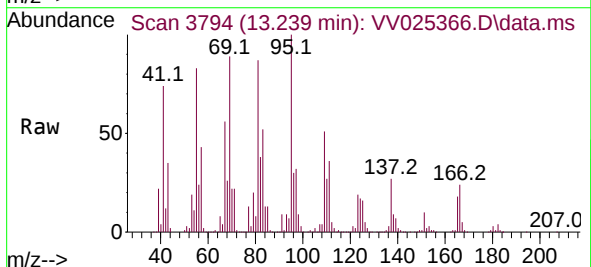
Instrument :
 MSVOA_V
 ClientSampleId :
 BFY41

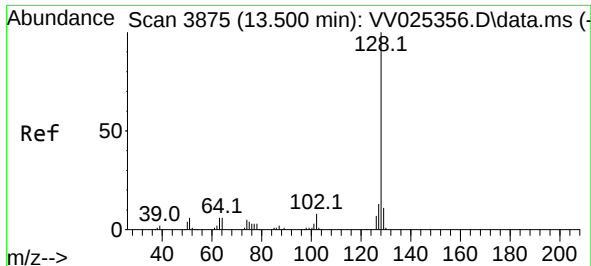
Tgt Ion:180 Resp: 936
 Ion Ratio Lower Upper
 180 100
 182 63.0 77.1 115.7#
 184 26.4 23.6 35.4
 145 2.1 26.4 39.6#



#70
 1,2,4-trichlorobenzene
 Concen: 0.559 ug/L
 RT: 13.239 min Scan# 3794
 Delta R.T. -0.019 min
 Lab File: VV025366.D
 Acq: 06 Apr 2022 16:12

Tgt Ion:180 Resp: 6069
 Ion Ratio Lower Upper
 180 100
 182 127.7 77.5 116.3#
 145 13.4 26.2 39.4#

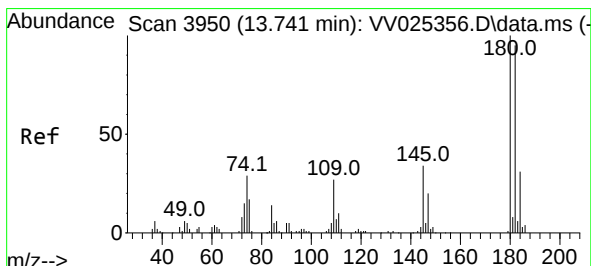
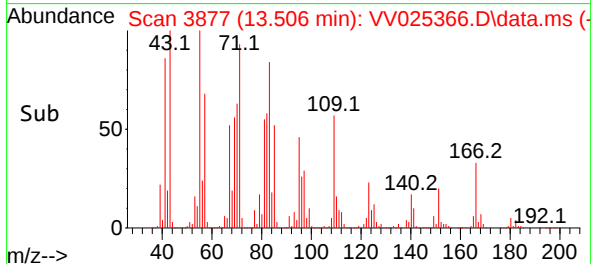
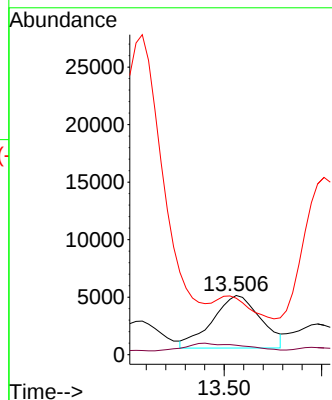
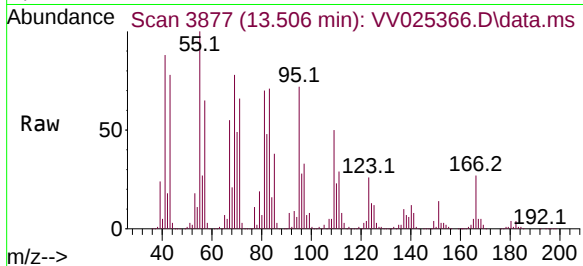




#71
Naphthalene
Concen: 0.465 ug/L
RT: 13.506 min Scan# 3875
Delta R.T. 0.007 min
Lab File: VV025366.D
Acq: 06 Apr 2022 16:12

Instrument :
MSVOA_V
ClientSampleId :
BFY41

Tgt Ion:128 Resp: 7871
Ion Ratio Lower Upper
128 100
129 17.7 8.8 13.2#
127 51.4 10.6 16.0#



#72
1,2,3-Trichlorobenzene
Concen: 9.059 ug/L
RT: 13.770 min Scan# 3959
Delta R.T. 0.029 min
Lab File: VV025366.D
Acq: 06 Apr 2022 16:12

Tgt Ion:180 Resp: 84750
Ion Ratio Lower Upper
180 100
182 14.3 75.8 113.6#
145 1.2 28.6 42.8#

