

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040722\
 Data File : VW025385.D
 Acq On : 07 Apr 2022 14:52
 Operator : SY/MD
 Sample : N2261-10
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFY46

Quant Time: Apr 08 01:22:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 08 01:19:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	275472	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	245278	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	121734	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.298	65	141871	5.513	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	110.200%	
7) Chloroethane-d5	1.561	69	111546	5.165	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	103.400%	
11) 1,1-Dichloroethene-d2	2.102	63	189208	3.395	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	67.800%	
20) 2-Butanone-d5	3.963	46	206692	80.640	ug/L	0.08
Spiked Amount	50.000	Range 40 - 130	Recovery	=	161.280%#	
24) Chloroform-d	4.343	84	219450	6.535	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	130.800%#	
26) 1,2-Dichloroethane-d4	5.027	65	66464	4.478	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	89.600%	
32) Benzene-d6	5.037	84	307475	4.955	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	99.200%	
36) 1,2-Dichloropropane-d6	6.069	67	81443	4.683	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	93.600%	
41) Toluene-d8	7.310	98	254066	4.464	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	89.200%	
43) trans-1,3-Dichloroprop...	7.622	79	24061	4.241	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	84.800%	
46) 2-Hexanone-d5	8.101	63	85653	41.803	ug/L	0.02
Spiked Amount	50.000	Range 45 - 130	Recovery	=	83.600%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	49233	4.246	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	85.000%	
66) 1,2-Dichlorobenzene-d4	11.622	152	88735	4.539	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	90.800%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.111	96	4294	0.155	ug/L #	1
13) Acetone	2.253	43	12443	6.362	ug/L	75
15) Methyl Acetate	2.523	43	1871	0.420	ug/L #	55
17) Methyl tert-butyl Ether	2.777	73	3269	0.093	ug/L #	62
19) 1,1-Dichloroethane	3.185	63	49000	1.475	ug/L	98
22) cis-1,2-Dichloroethene	3.905	96	8908	0.440	ug/L #	99
25) Chloroform	4.372	83	18063	0.490	ug/L	99
29) 1,1,1-Trichloroethane	4.597	97	2793	0.094	ug/L #	84
35) Methylcyclohexane	6.069	83	21017	0.679	ug/L #	21
37) 1,2-Dichloropropane	6.072	63	8750	0.524	ug/L #	84
38) Bromodichloromethane	6.506	83	3342	0.158	ug/L #	94
47) Tetrachloroethene	7.969	164	2964	0.203	ug/L	88
49) Dibromochloromethane	8.246	129	3084	0.251	ug/L	94
59) Bromoform	9.731	173	737	0.148	ug/L #	84
61) 1,2,3-Trichloropropane	11.246	75	14891	1.617	ug/L #	63
62) 1,3,5-Trimethylbenzene	10.918	105	1500	0.041	ug/L	87
70) 1,2,4-trichlorobenzene	13.291	180	1103	0.054	ug/L #	12
71) Naphthalene	13.506	128	3742	0.117	ug/L #	50
72) 1,2,3-Trichlorobenzene	13.763	180	13915	0.785	ug/L #	13

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QLast Update : Fri Apr 08 01:19:10 2022
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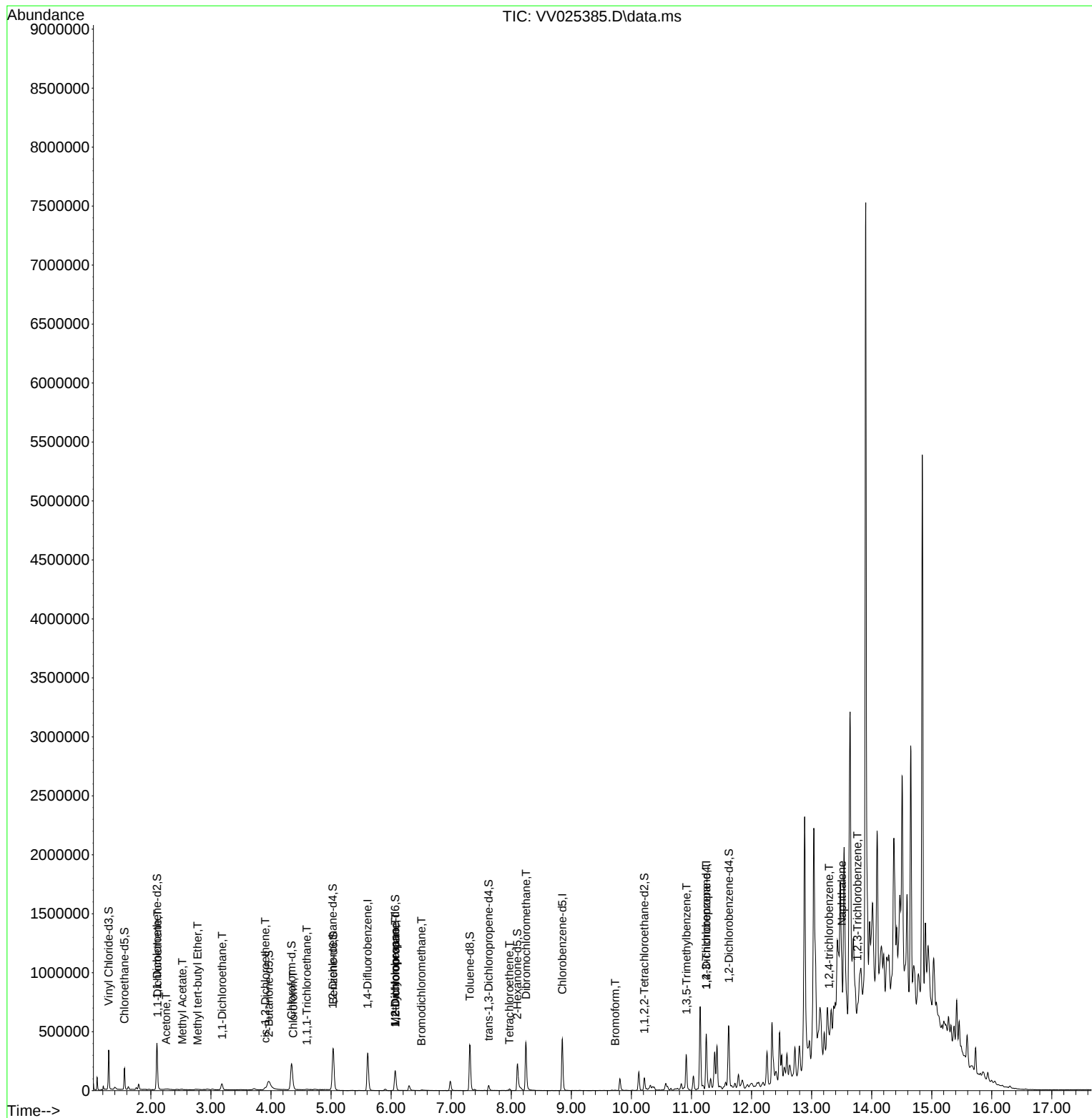
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

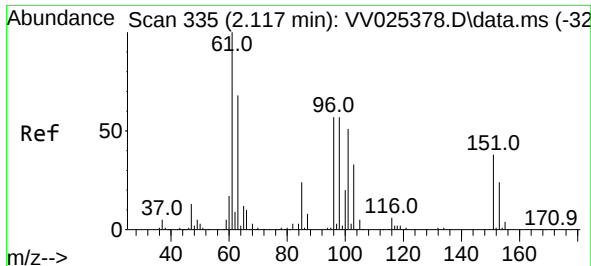
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.155 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV025385.D

Acq: 07 Apr 2022 14:52

Instrument :

MSVOA_V

ClientSampleId :

BFY46

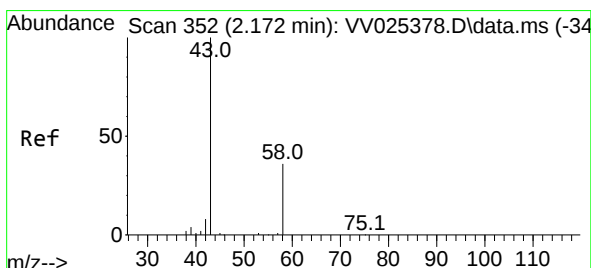
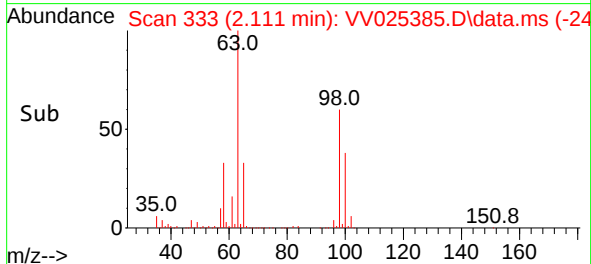
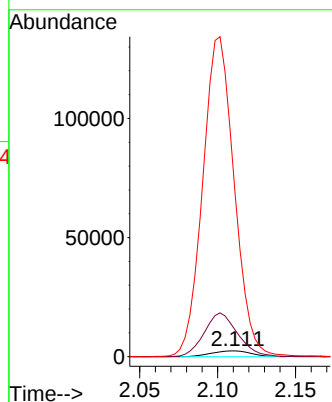
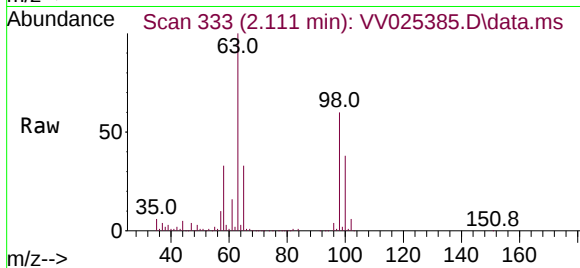
Tgt Ion: 96 Resp: 4294

Ion Ratio Lower Upper

96 100

61 459.6 121.5 225.7#

63 2814.8 77.9 144.7#



#13

Acetone

Concen: 6.362 ug/L

RT: 2.253 min Scan# 377

Delta R.T. 0.081 min

Lab File: VV025385.D

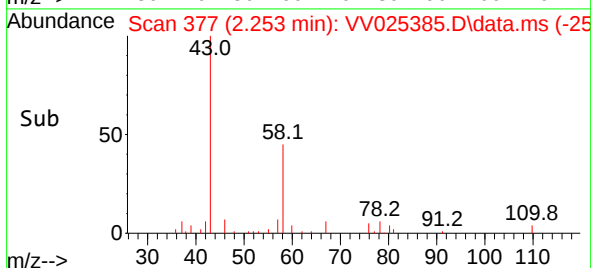
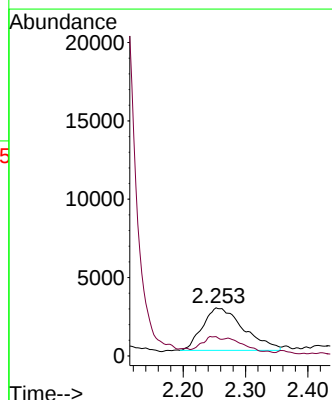
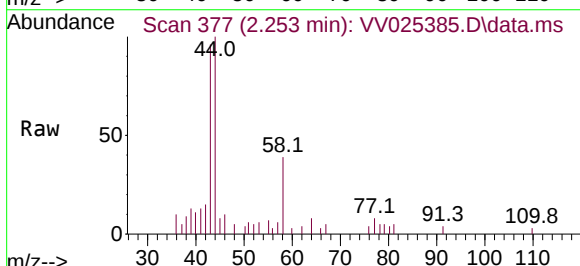
Acq: 07 Apr 2022 14:52

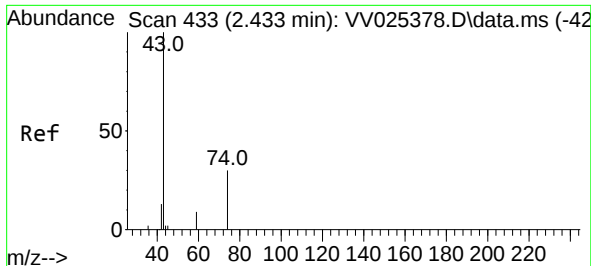
Tgt Ion: 43 Resp: 12443

Ion Ratio Lower Upper

43 100

58 13.1 0.0 51.2





#15

Methyl Acetate

Concen: 0.420 ug/L

RT: 2.523 min Scan# 4

Delta R.T. 0.090 min

Lab File: VV025385.D

Acq: 07 Apr 2022 14:52

Instrument :

MSVOA_V

ClientSampleId :

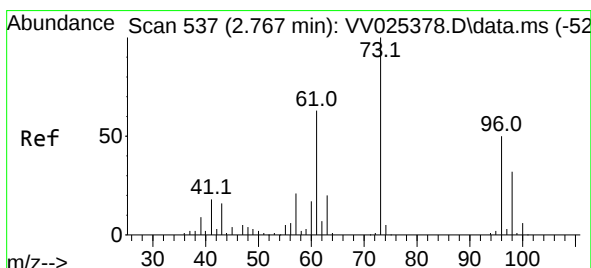
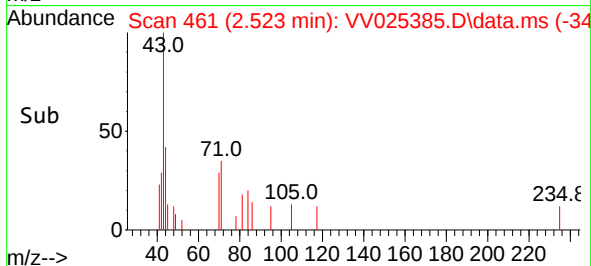
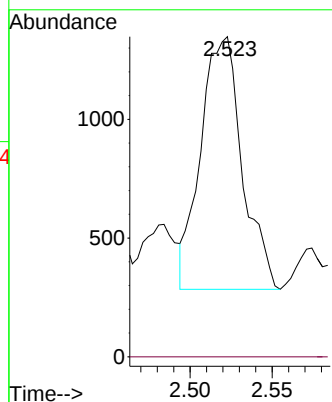
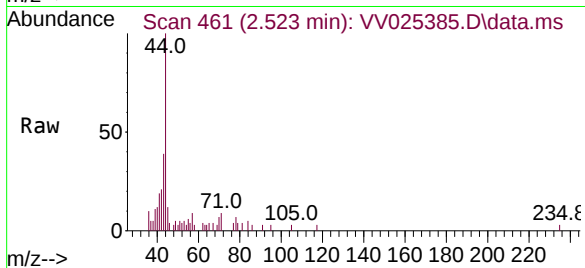
BFY46

Tgt Ion: 43 Resp: 1871

Ion Ratio Lower Upper

43 100

74 3.4 20.9 31.3#



#17

Methyl tert-butyl Ether

Concen: 0.093 ug/L

RT: 2.777 min Scan# 540

Delta R.T. 0.010 min

Lab File: VV025385.D

Acq: 07 Apr 2022 14:52

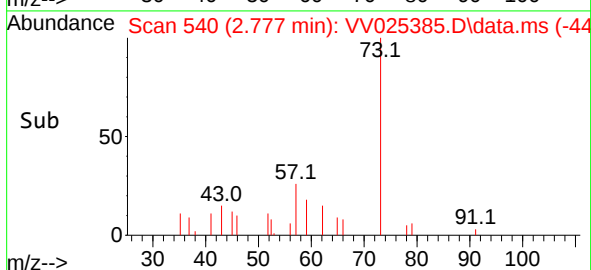
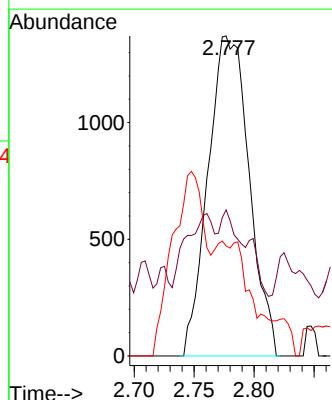
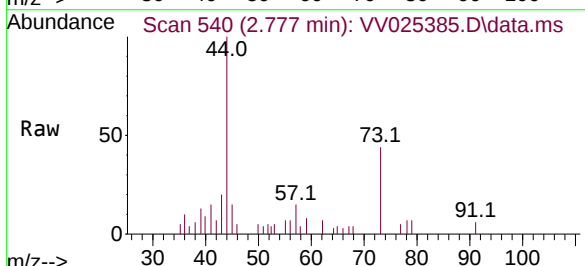
Tgt Ion: 73 Resp: 3269

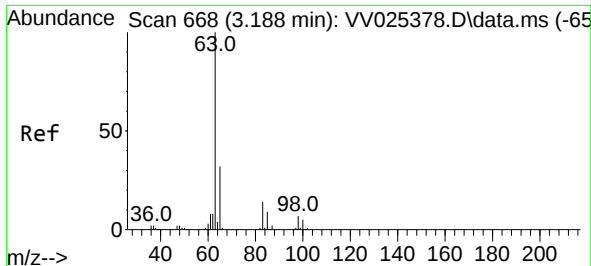
Ion Ratio Lower Upper

73 100

43 4.0 13.5 20.3#

57 0.0 16.4 24.6#





#19

1,1-Dichloroethane

Concen: 1.475 ug/L

RT: 3.185 min Scan# 668

Delta R.T. -0.003 min

Lab File: VV025385.D

Acq: 07 Apr 2022 14:52

Instrument :

MSVOA_V

ClientSampleId :

BFY46

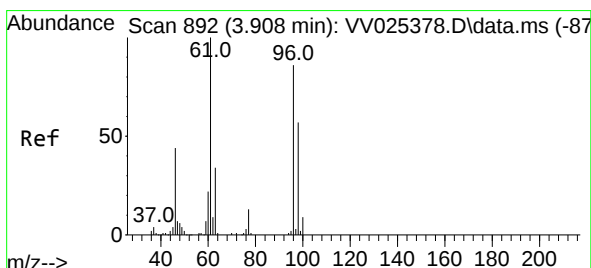
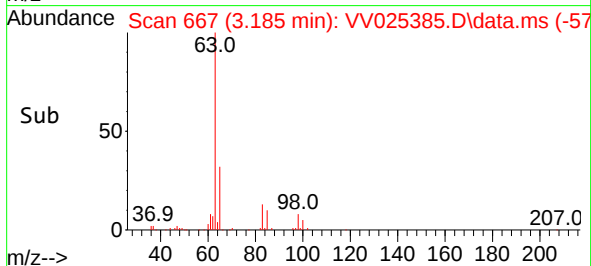
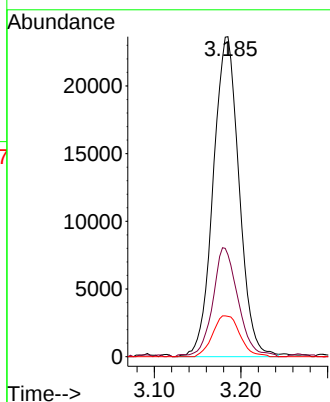
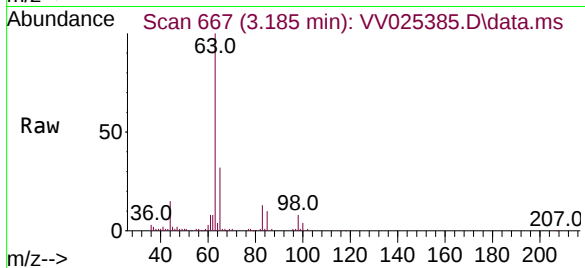
Tgt Ion: 63 Resp: 49000

Ion Ratio Lower Upper

63 100

65 31.9 22.0 40.8

83 12.6 10.2 19.0



#22

cis-1,2-Dichloroethene

Concen: 0.440 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.003 min

Lab File: VV025385.D

Acq: 07 Apr 2022 14:52

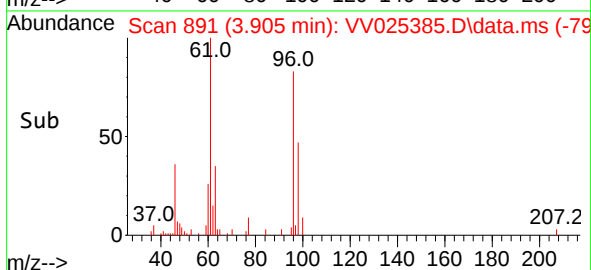
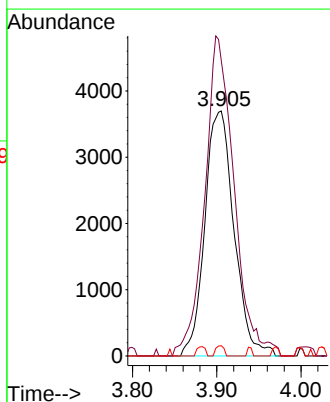
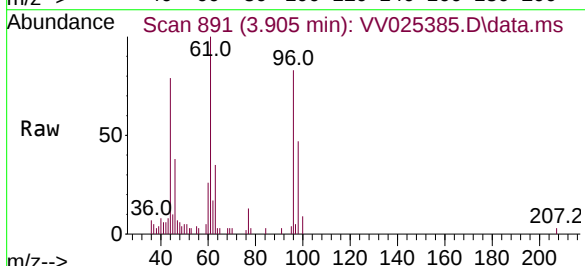
Tgt Ion: 96 Resp: 8908

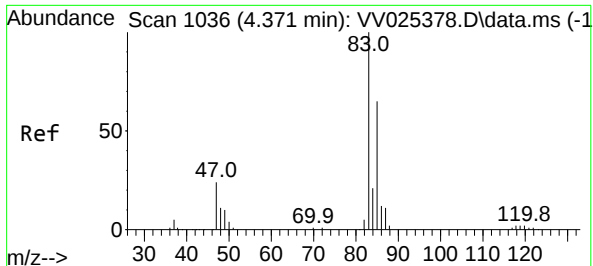
Ion Ratio Lower Upper

96 100

61 120.7 84.1 156.1

68 4.2 0.0 0.0





#25

Chloroform

Concen: 0.490 ug/L

RT: 4.372 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VV025385.D

Acq: 07 Apr 2022 14:52

Instrument :

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ClientSampleId :

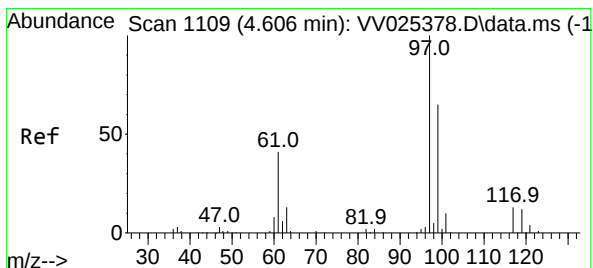
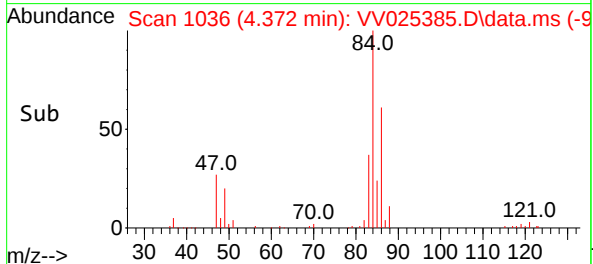
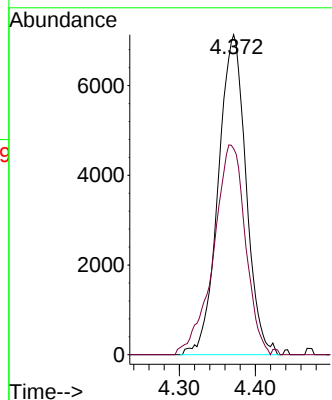
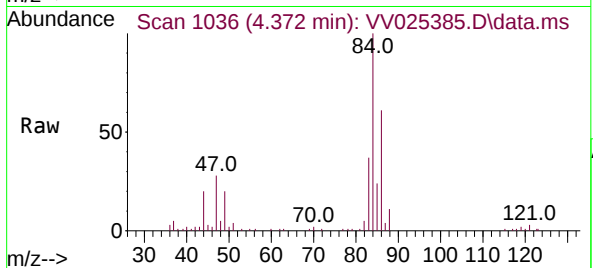
BFY46

Tgt Ion: 83 Resp: 18063

Ion Ratio Lower Upper

83 100

85 64.4 44.7 82.9



#29

1,1,1-Trichloroethane

Concen: 0.094 ug/L

RT: 4.597 min Scan# 1106

Delta R.T. -0.010 min

Lab File: VV025385.D

Acq: 07 Apr 2022 14:52

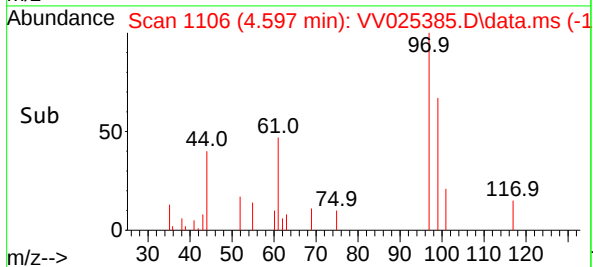
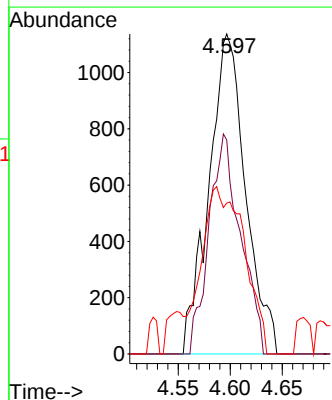
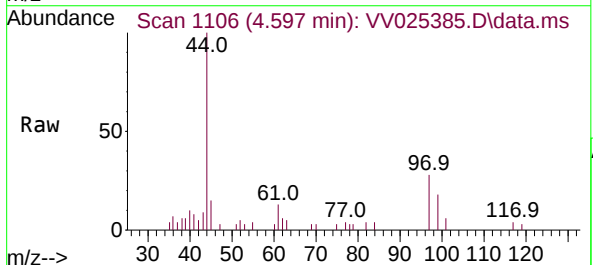
Tgt Ion: 97 Resp: 2793

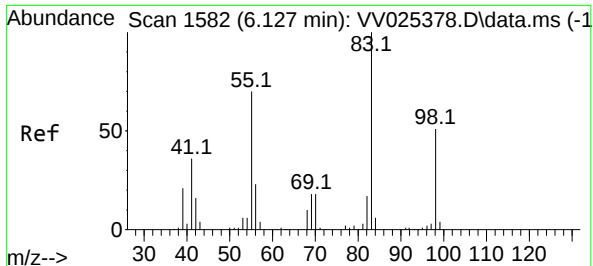
Ion Ratio Lower Upper

97 100

99 59.0 51.9 77.9

61 60.5 34.2 51.2#





#35

Methylcyclohexane

Concen: 0.679 ug/L

RT: 6.069 min Scan# 1

Delta R.T. -0.058 min

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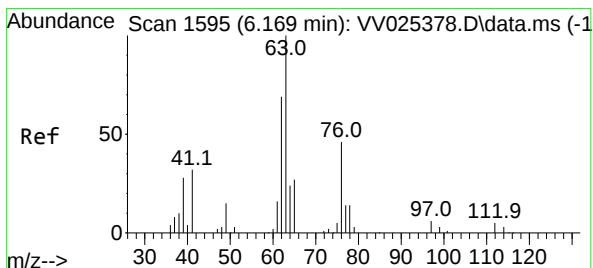
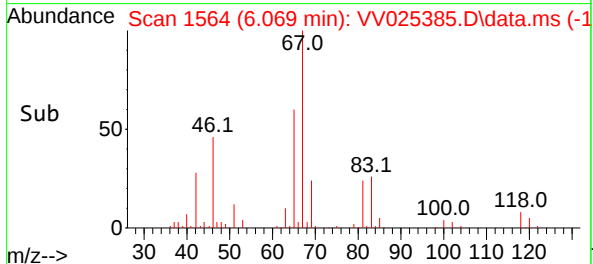
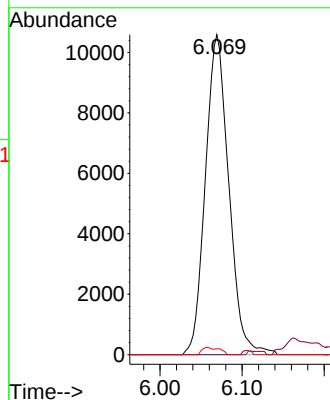
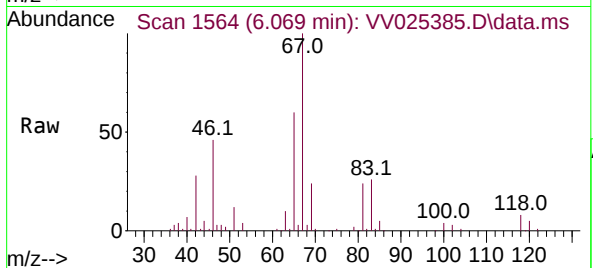
Tgt Ion: 83 Resp: 21017

Ion Ratio Lower Upper

83 100

55 0.0 54.6 81.8#

98 1.1 39.8 59.6#



#37

1,2-Dichloropropane

Concen: 0.524 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.096 min

Lab File: VV025385.D

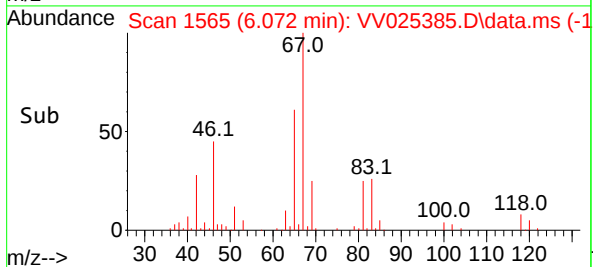
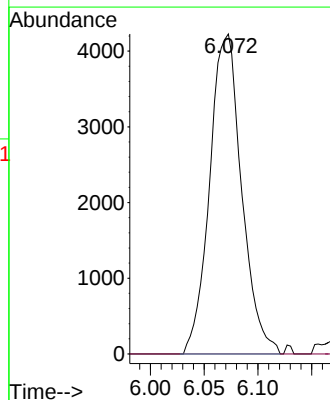
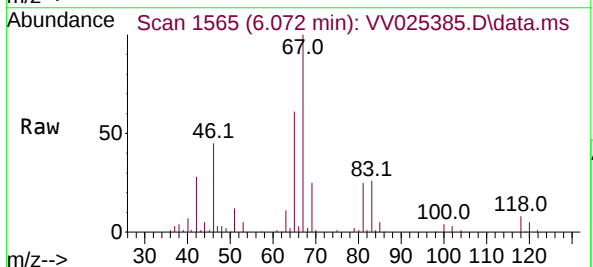
Acq: 07 Apr 2022 14:52

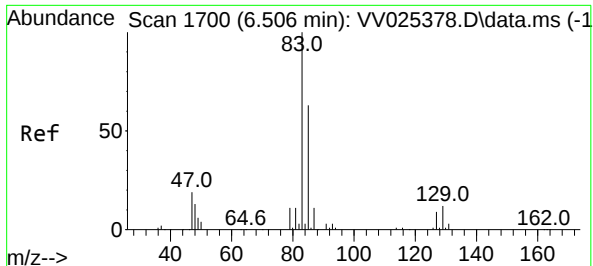
Tgt Ion: 63 Resp: 8750

Ion Ratio Lower Upper

63 100

112 0.0 4.2 6.2#

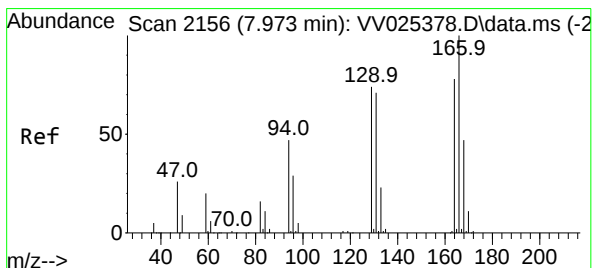
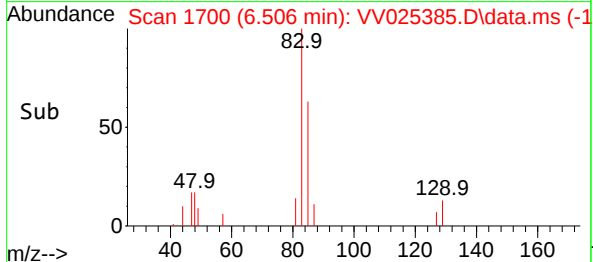
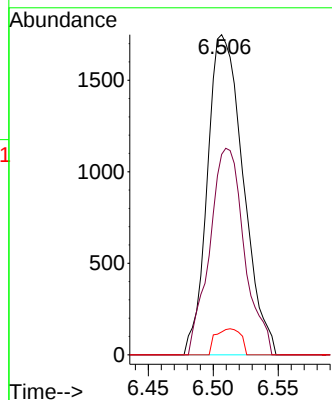
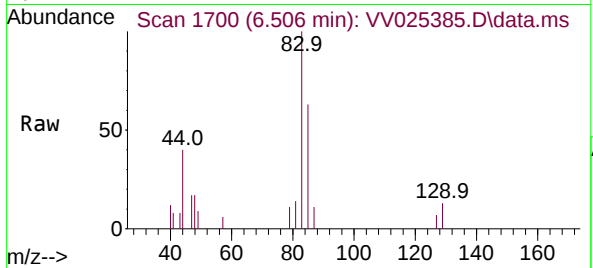




#38
Bromodichloromethane
Concen: 0.158 ug/L
RT: 6.506 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV025385.D
Acq: 07 Apr 2022 14:52

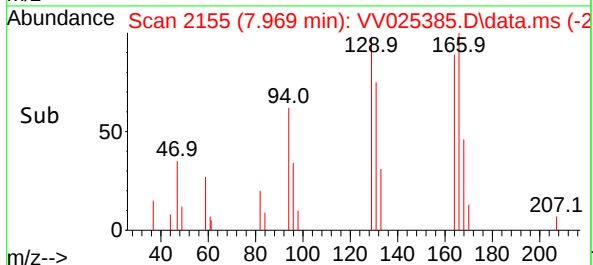
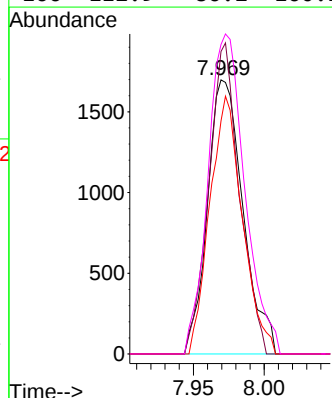
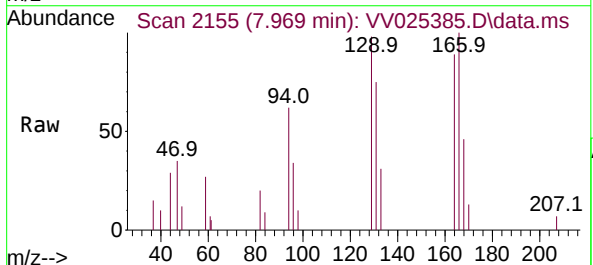
Instrument :
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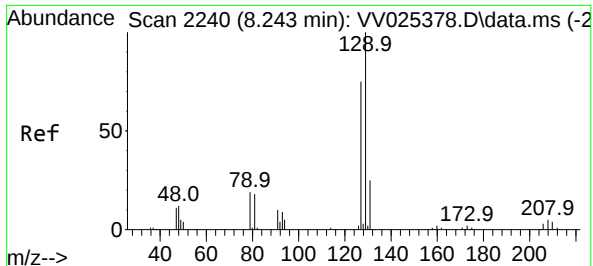
Tgt Ion: 83 Resp: 3342
Ion Ratio Lower Upper
83 100
85 62.6 47.2 87.6
127 7.1 7.2 10.8#



#47
Tetrachloroethene
Concen: 0.203 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.003 min
Lab File: VV025385.D
Acq: 07 Apr 2022 14:52

Tgt Ion: 164 Resp: 2964
Ion Ratio Lower Upper
164 100
129 110.3 67.5 125.4
131 85.0 68.0 126.4
166 112.9 86.2 160.2





#49

Dibromochloromethane

Concen: 0.251 ug/L

RT: 8.246 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV025385.D

Acq: 07 Apr 2022 14:52

Instrument :

MSVOA_V

ClientSampleId :

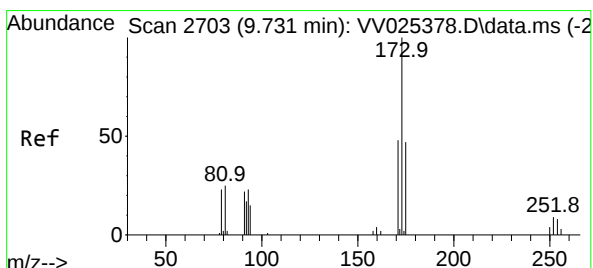
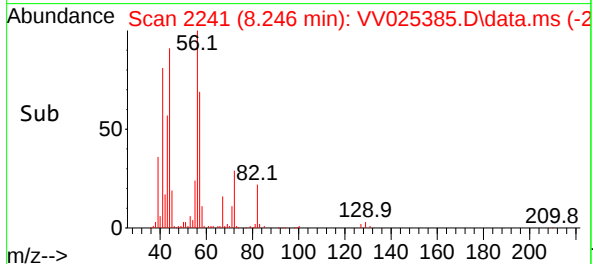
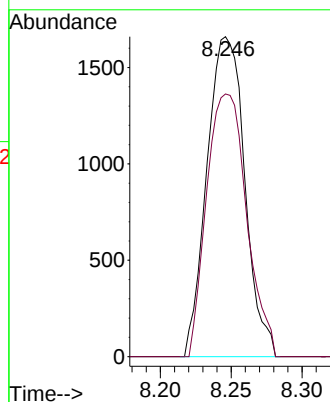
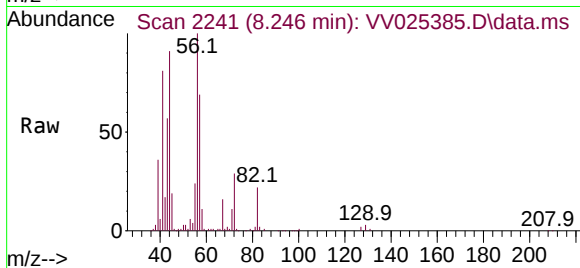
BFY46

Tgt Ion:129 Resp: 3084

Ion Ratio Lower Upper

129 100

127 82.1 54.1 100.5



#59

Bromoform

Concen: 0.148 ug/L

RT: 9.731 min Scan# 2703

Delta R.T. 0.000 min

Lab File: VV025385.D

Acq: 07 Apr 2022 14:52

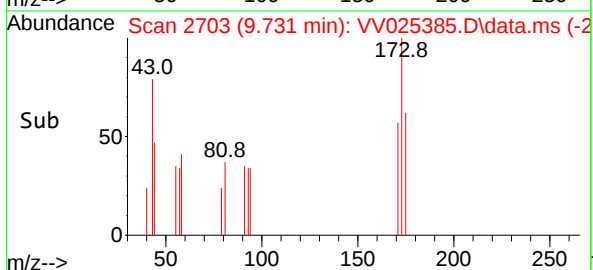
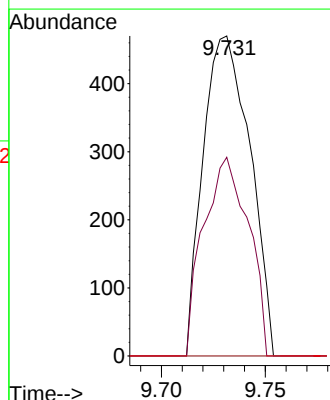
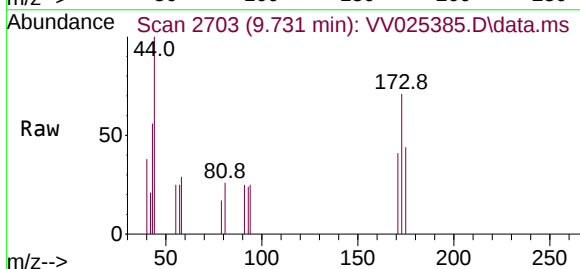
Tgt Ion:173 Resp: 737

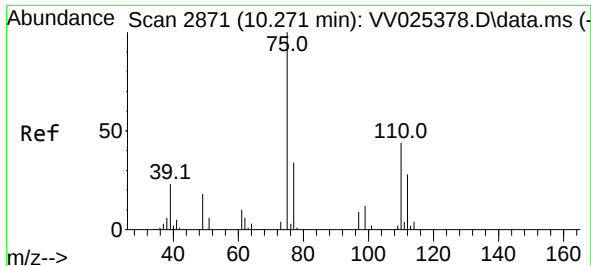
Ion Ratio Lower Upper

173 100

175 59.6 39.4 59.0#

254 0.0 5.6 8.4#





#61

1,2,3-Trichloropropane

Concen: 1.617 ug/L

RT: 11.246 min Scan# 3174

Delta R.T. 0.974 min

Lab File: VV025385.D

Acq: 07 Apr 2022 14:52

Instrument :

MSVOA_V

ClientSampleId :

BFY46

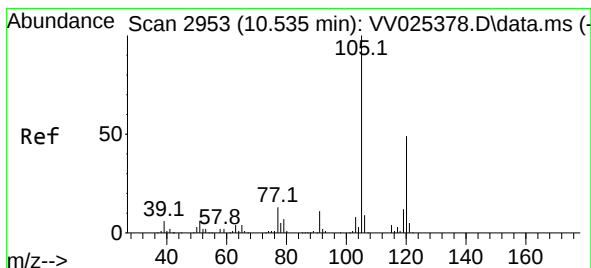
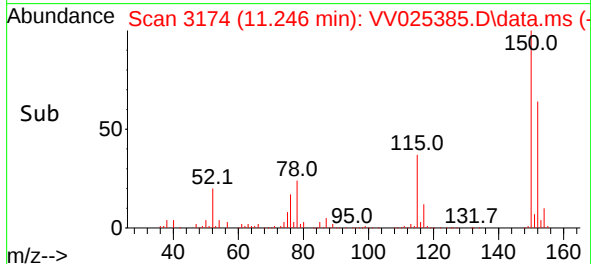
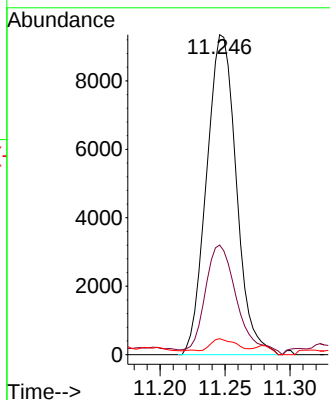
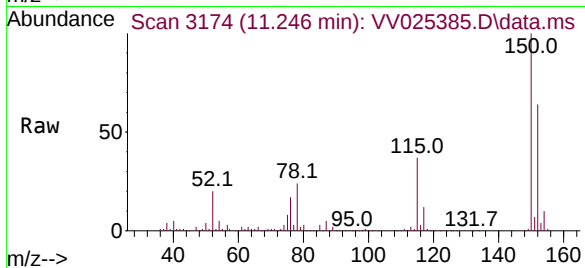
Tgt Ion: 75 Resp: 14891

Ion Ratio Lower Upper

75 100

77 37.0 25.8 38.6

110 3.0 31.6 47.4#



#62

1,3,5-Trimethylbenzene

Concen: 0.041 ug/L

RT: 10.918 min Scan# 3072

Delta R.T. 0.383 min

Lab File: VV025385.D

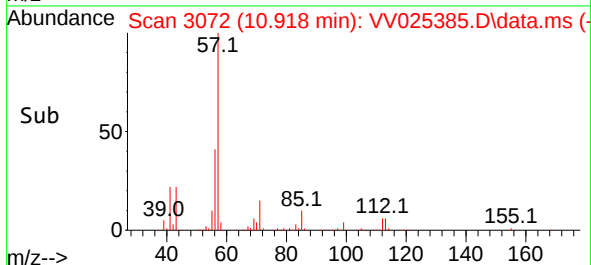
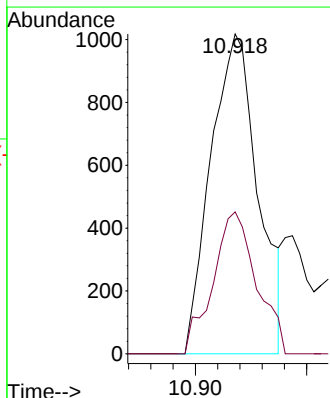
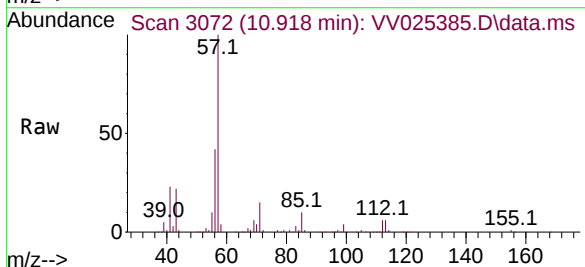
Acq: 07 Apr 2022 14:52

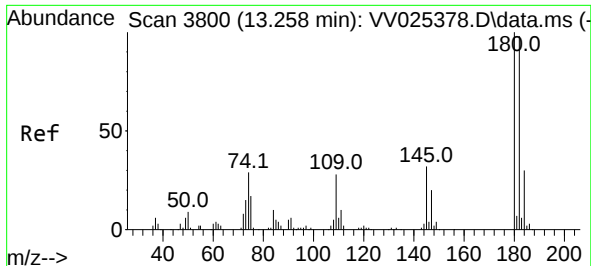
Tgt Ion: 105 Resp: 1500

Ion Ratio Lower Upper

105 100

120 40.9 39.7 59.5

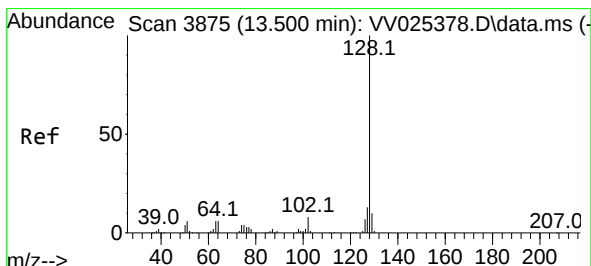
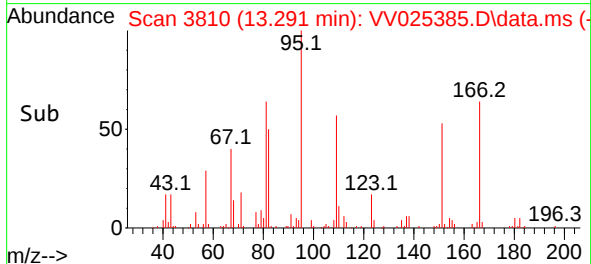
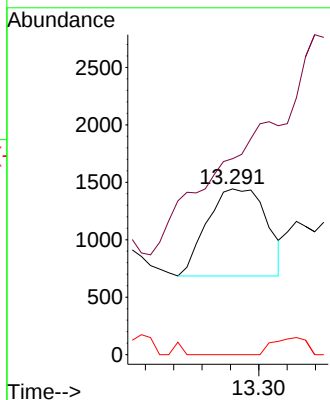
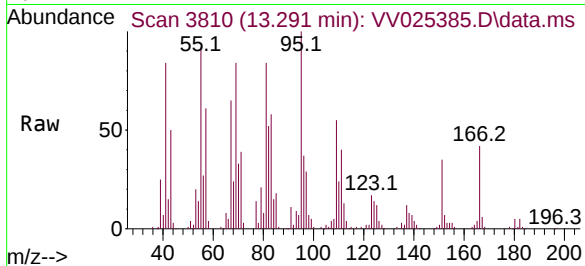




#70
1,2,4-trichlorobenzene
Concen: 0.054 ug/L
RT: 13.291 min Scan# 3810
Delta R.T. 0.032 min
Lab File: VV025385.D
Acq: 07 Apr 2022 14:52

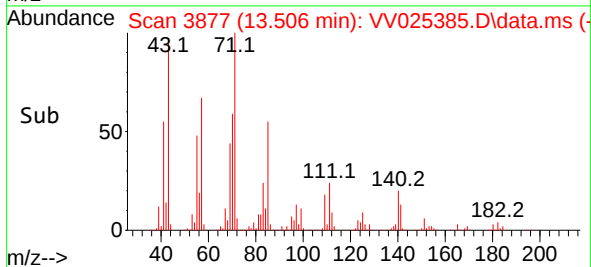
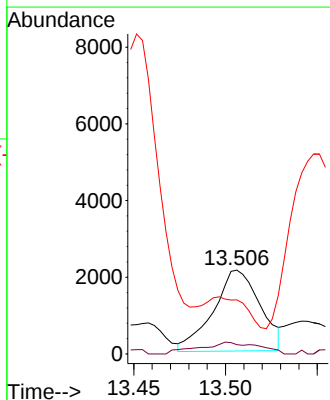
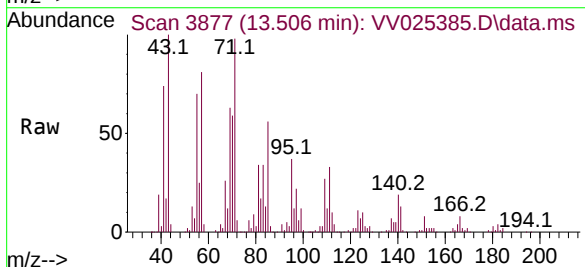
Instrument :
MSVOA_V
ClientSampleId :
BFY46

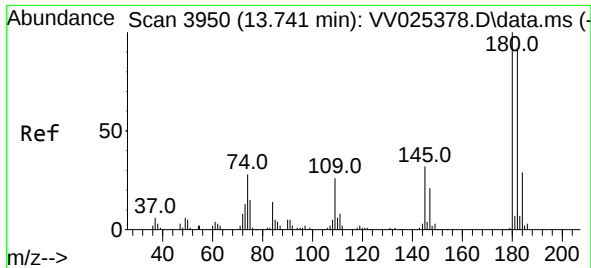
Tgt Ion:180 Resp: 1103
Ion Ratio Lower Upper
180 100
182 0.0 77.5 116.3#
145 1.9 26.2 39.4#



#71
Naphthalene
Concen: 0.117 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.007 min
Lab File: VV025385.D
Acq: 07 Apr 2022 14:52

Tgt Ion:128 Resp: 3742
Ion Ratio Lower Upper
128 100
129 18.5 8.8 13.2#
127 43.7 10.6 16.0#





#72
 1,2,3-Trichlorobenzene
 Concen: 0.785 ug/L
 RT: 13.763 min Scan# 3957
 Delta R.T. 0.023 min
 Lab File: VV025385.D
 Acq: 07 Apr 2022 14:52

Instrument :
 MSVOA_V
 ClientSampleId :
 BFY46

Tgt Ion:180 Resp: 13915
 Ion Ratio Lower Upper
 180 100
 182 0.0 75.8 113.6#
 145 1.8 28.6 42.8#

