

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041222\
 Data File : VW025473.D
 Acq On : 12 Apr 2022 14:45
 Operator : SY/MD
 Sample : N2372-01
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFY47

Quant Time: Apr 13 02:33:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 13 02:31:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	165089	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	163584	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	85173	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	51622	3.363	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.200%
7) Chloroethane-d5	1.571	69	50863	3.115	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	62.200%#
11) 1,1-Dichloroethene-d2	2.111	63	92690	3.015	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.200%
20) 2-Butanone-d5	3.905	46	66588	35.666	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	71.340%
24) Chloroform-d	4.352	84	93960	4.051	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.000%
26) 1,2-Dichloroethane-d4	5.037	65	41253	4.128	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.600%
32) Benzene-d6	5.053	84	179013	3.782	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.600%
36) 1,2-Dichloropropane-d6	6.072	67	54902	4.159	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.200%
41) Toluene-d8	7.317	98	152363	3.469	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.400%#
43) trans-1,3-Dichloroprop...	7.625	79	16301	3.674	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.400%
46) 2-Hexanone-d5	8.092	63	61115	39.248	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.500%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	35005	4.198	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	55277	3.871	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	77.400%#
Target Compounds						Qvalue
5) Vinyl chloride	1.311	62	830	0.045	ug/L #	1
12) 1,1-Dichloroethene	2.121	96	12727	0.889	ug/L #	1
17) Methyl tert-butyl Ether	2.773	73	8377	0.378	ug/L #	78
19) 1,1-Dichloroethane	3.195	63	65785	3.237	ug/L	98
22) cis-1,2-Dichloroethene	3.915	96	50403	3.990	ug/L	95
25) Chloroform	4.381	83	10805	0.504	ug/L	99
29) 1,1,1-Trichloroethane	4.613	97	4666	0.242	ug/L	97
31) Carbon tetrachloride	4.619	117	487	0.030	ug/L	99
33) Benzene	5.114	78	4292	0.089	ug/L	100
34) Trichloroethene	5.918	95	17462	1.361	ug/L	93
35) Methylcyclohexane	6.072	83	13532	0.661	ug/L #	28
39) cis-1,3-Dichloropropene	6.989	75	1559	0.106	ug/L	90
42) Toluene	7.397	91	13069	0.249	ug/L	96
47) Tetrachloroethene	7.976	164	25384	2.527	ug/L	98
49) Dibromochloromethane	7.976	129	23546	2.865	ug/L #	11
52) Ethylbenzene	9.146	91	2800	0.050	ug/L	90
53) m,p-Xylene	9.140	106	1278	0.060	ug/L	91
61) 1,2,3-Trichloropropane	11.246	75	11354	2.024	ug/L #	62

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QLast Update : Wed Apr 13 02:31:13 2022
Response via : Initial Calibration

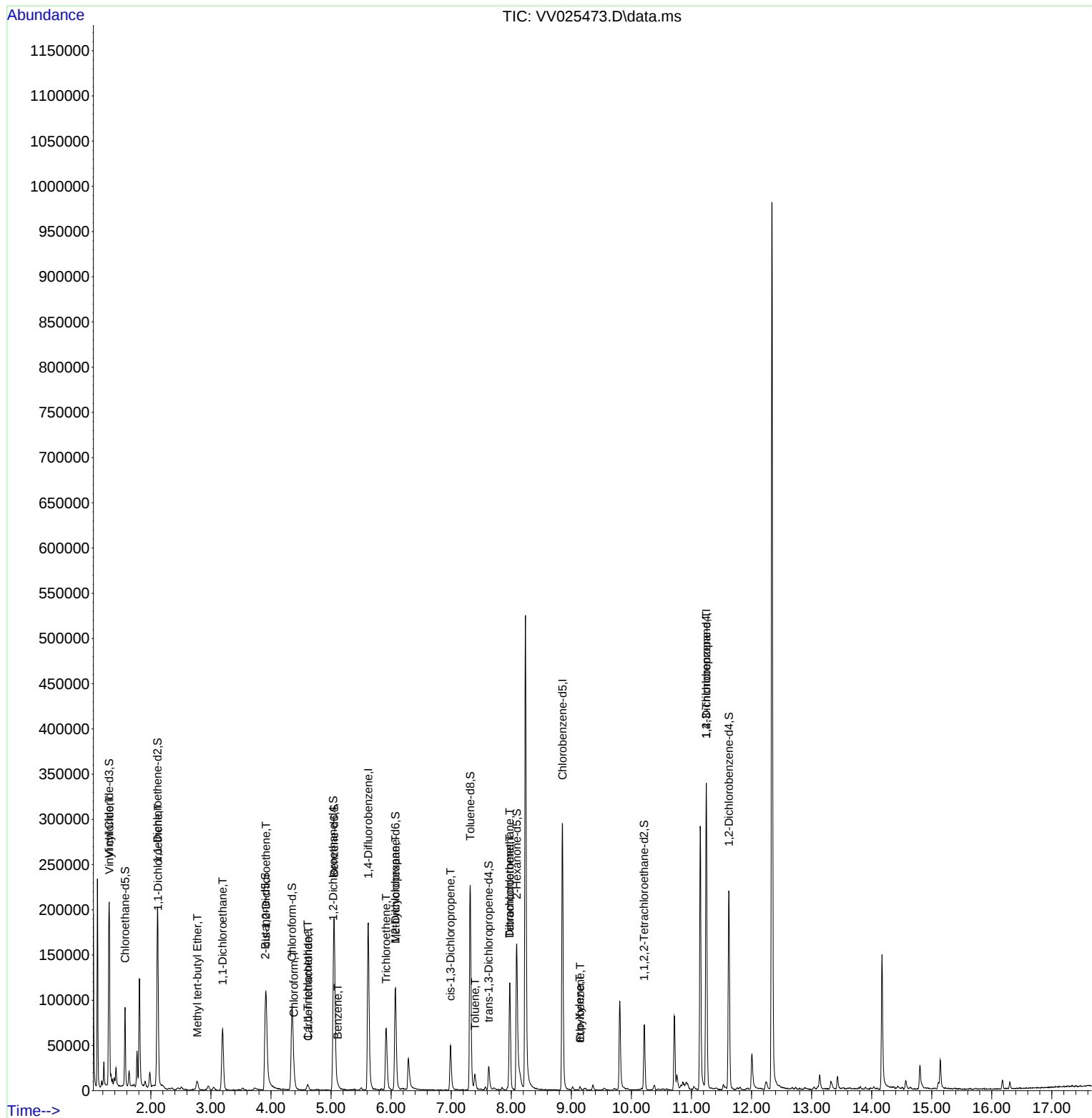
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

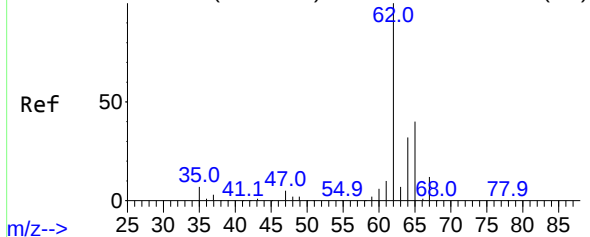
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041222\
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Abundance Scan 85 (1.314 min): VV025464.D\data.ms (-76)



#5

Vinyl chloride

Concen: 0.045 ug/L

RT: 1.311 min Scan# 84

Delta R.T. -0.003 min

Lab File: VV025473.D

Acq: 12 Apr 2022 14:45

Instrument :

MSVOA_V

ClientSampleId :

BFY47

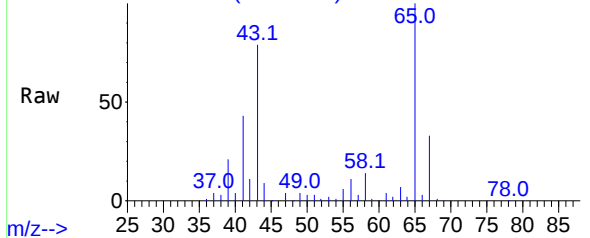
Tgt Ion: 62 Resp: 830

Ion Ratio Lower Upper

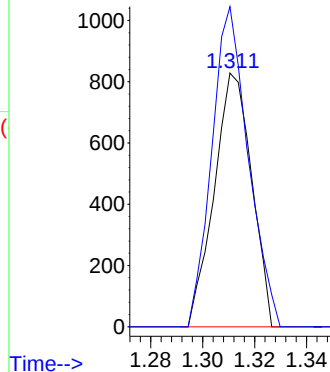
62 100

64 126.2 23.2 43.2#

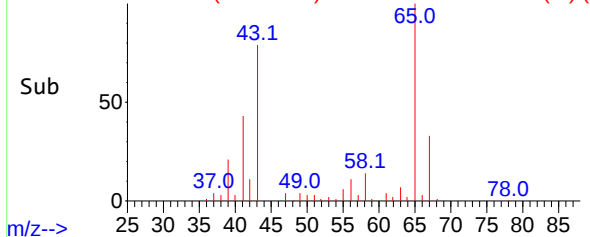
Abundance Scan 84 (1.311 min): VV025473.D\data.ms



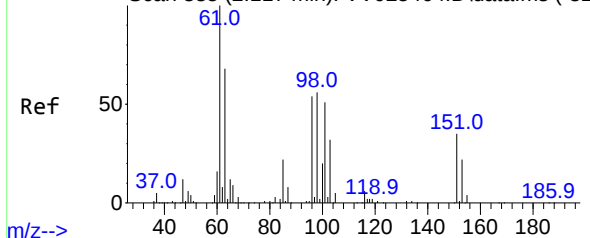
Abundance



Abundance Scan 84 (1.311 min): VV025473.D\data.ms (-1)



Abundance Scan 335 (2.117 min): VV025464.D\data.ms (-32)



#12

1,1-Dichloroethene

Concen: 0.889 ug/L

RT: 2.121 min Scan# 336

Delta R.T. 0.003 min

Lab File: VV025473.D

Acq: 12 Apr 2022 14:45

Tgt Ion: 96 Resp: 12727

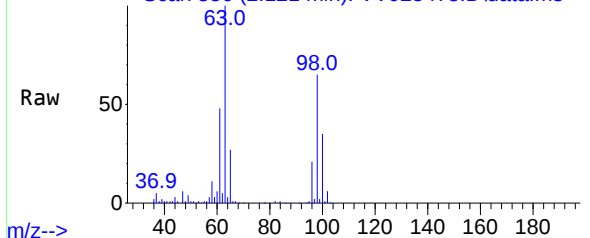
Ion Ratio Lower Upper

96 100

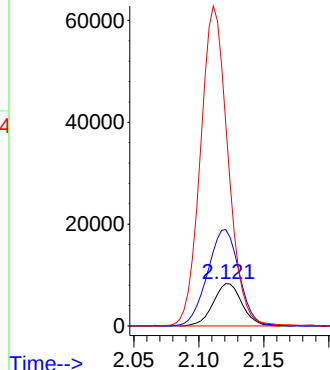
61 227.1 125.2 232.4

63 475.8 114.4 212.4#

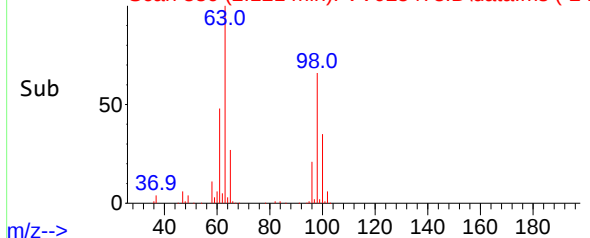
Abundance Scan 336 (2.121 min): VV025473.D\data.ms

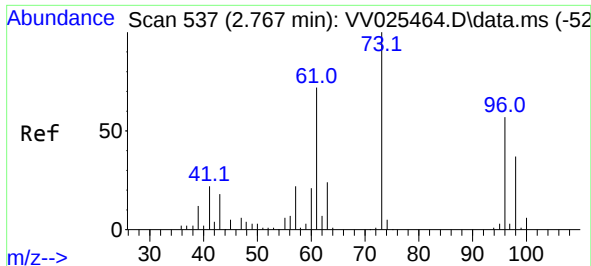


Abundance



Abundance Scan 336 (2.121 min): VV025473.D\data.ms (-24)

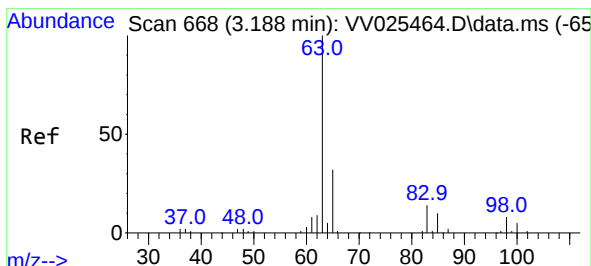
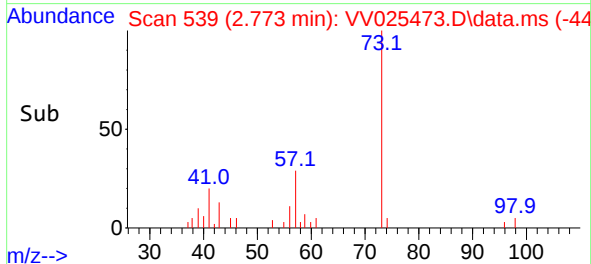
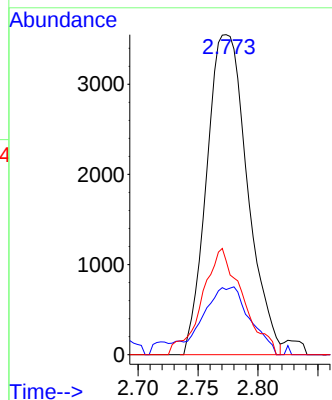
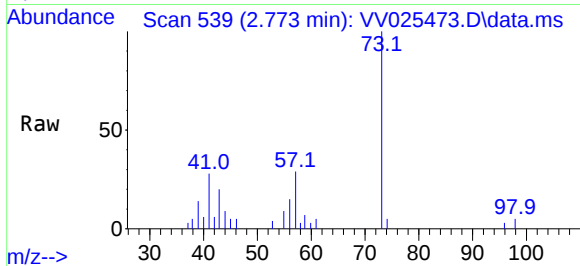




#17
Methyl tert-butyl Ether
Concen: 0.378 ug/L
RT: 2.773 min Scan# 51
Delta R.T. 0.007 min
Lab File: VV025473.D
Acq: 12 Apr 2022 14:45

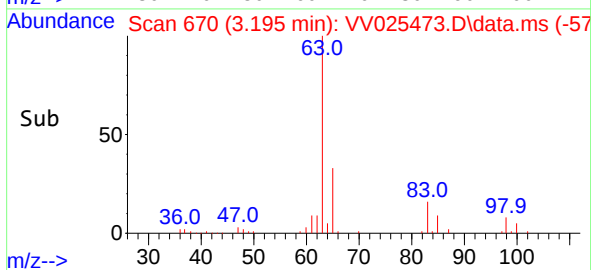
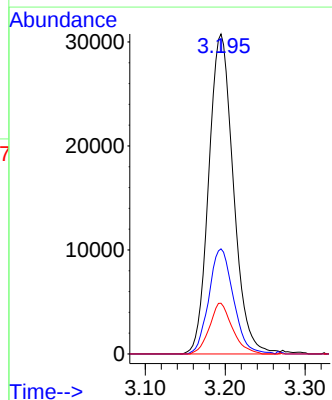
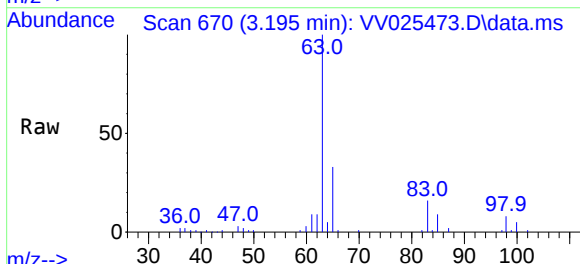
Instrument :
MSVOA_V
ClientSampleId :
BFY47

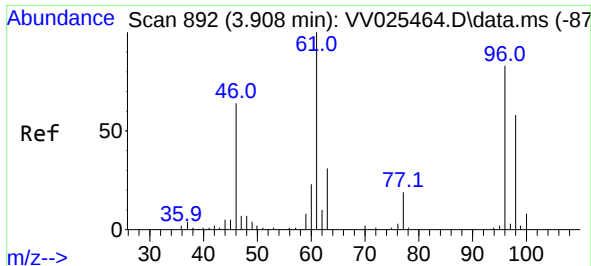
Tgt Ion: 73 Resp: 8377
Ion Ratio Lower Upper
73 100
43 24.7 14.2 21.4#
57 32.9 16.1 24.1#



#19
1,1-Dichloroethane
Concen: 3.237 ug/L
RT: 3.195 min Scan# 670
Delta R.T. 0.007 min
Lab File: VV025473.D
Acq: 12 Apr 2022 14:45

Tgt Ion: 63 Resp: 65785
Ion Ratio Lower Upper
63 100
65 32.9 23.2 43.0
83 15.8 9.0 16.8





#22

cis-1,2-Dichloroethene

Concen: 3.990 ug/L

RT: 3.915 min Scan# 894

Delta R.T. 0.007 min

Lab File: VV025473.D

Acq: 12 Apr 2022 14:45

Instrument :

MSVOA_V

ClientSampleId :

BFY47

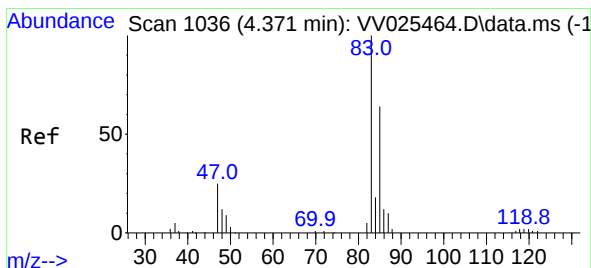
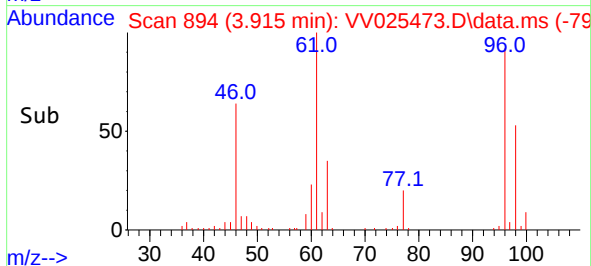
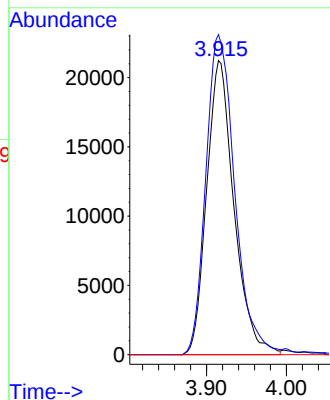
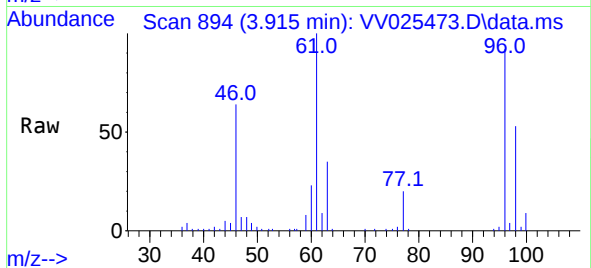
Tgt Ion: 96 Resp: 50403

Ion Ratio Lower Upper

96 100

61 108.8 80.0 148.6

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.504 ug/L

RT: 4.381 min Scan# 1039

Delta R.T. 0.010 min

Lab File: VV025473.D

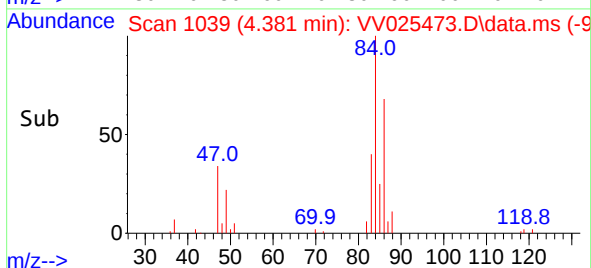
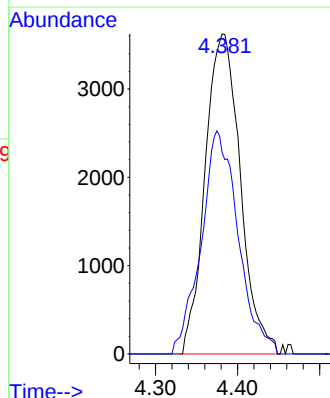
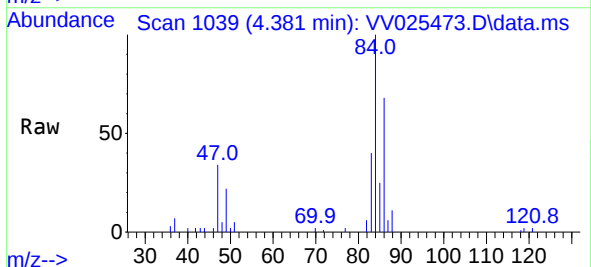
Acq: 12 Apr 2022 14:45

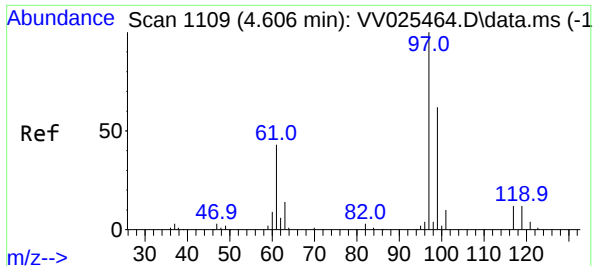
Tgt Ion: 83 Resp: 10805

Ion Ratio Lower Upper

83 100

85 62.9 43.5 80.7





#29

1,1,1-Trichloroethane

Concen: 0.242 ug/L

RT: 4.613 min Scan# 1111

Delta R.T. 0.007 min

Lab File: VV025473.D

Acq: 12 Apr 2022 14:45

Instrument :

MSVOA_V

ClientSampleId :

BFY47

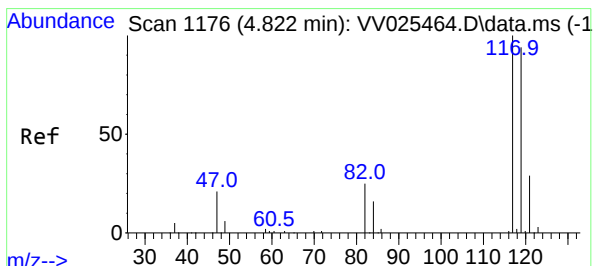
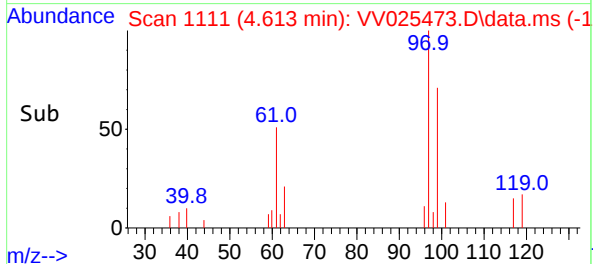
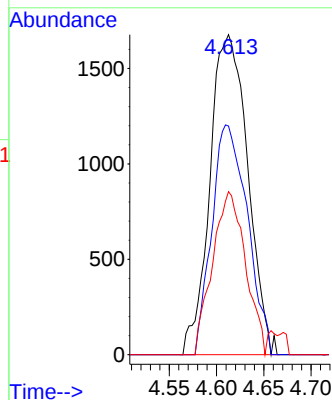
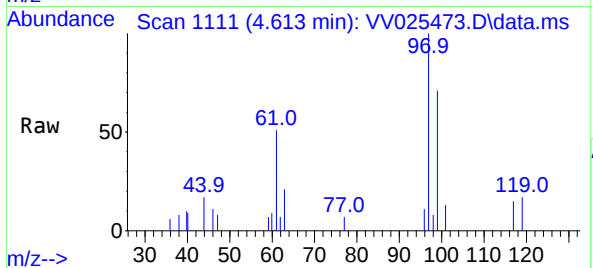
Tgt Ion: 97 Resp: 4666

Ion Ratio Lower Upper

97 100

99 67.4 51.5 77.3

61 44.4 34.3 51.5



#31

Carbon tetrachloride

Concen: 0.030 ug/L

RT: 4.619 min Scan# 1113

Delta R.T. -0.202 min

Lab File: VV025473.D

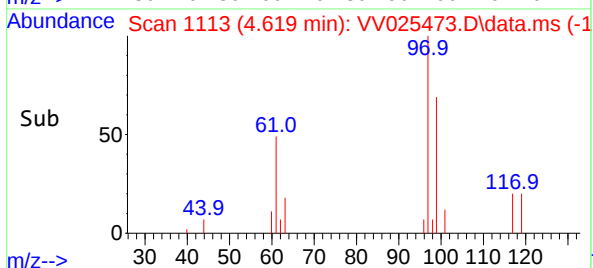
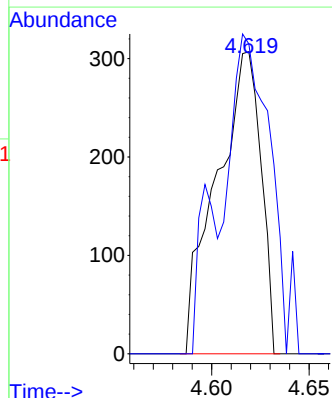
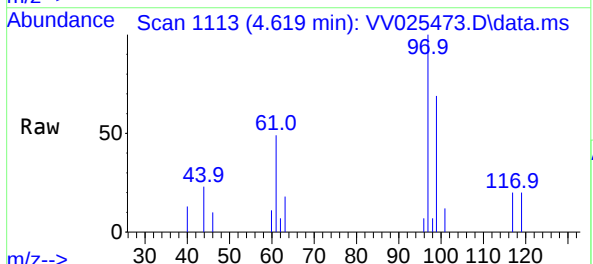
Acq: 12 Apr 2022 14:45

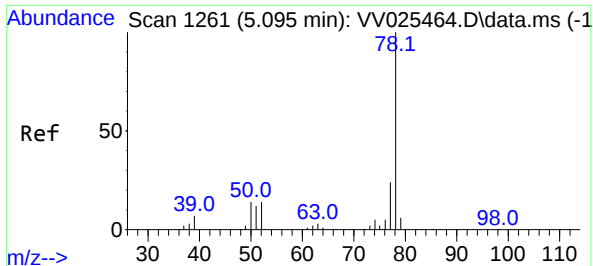
Tgt Ion: 117 Resp: 487

Ion Ratio Lower Upper

117 100

119 96.7 76.6 114.8

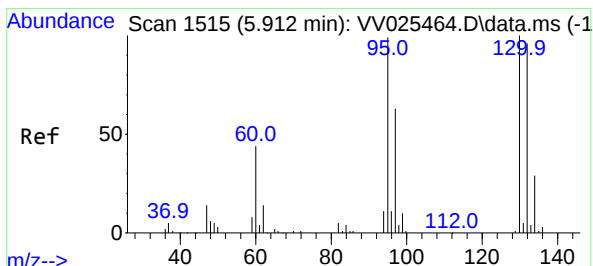
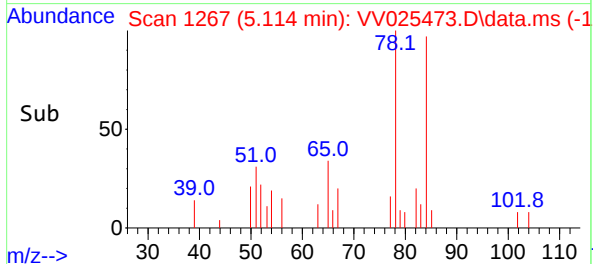
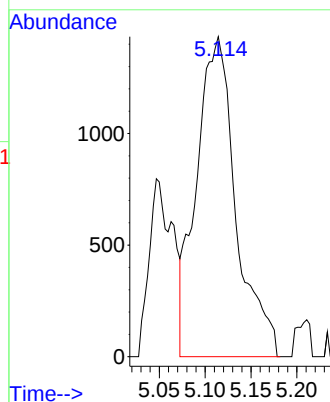
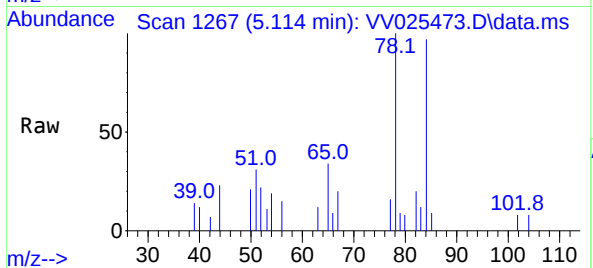




#33
Benzene
Concen: 0.089 ug/L
RT: 5.114 min Scan# 11
Delta R.T. 0.019 min
Lab File: VV025473.D
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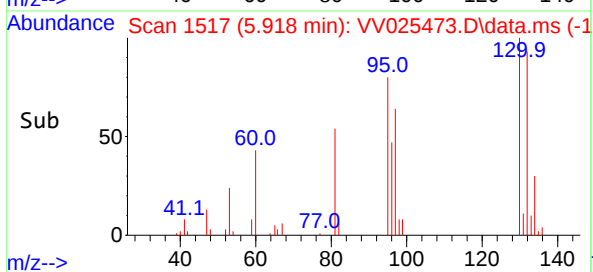
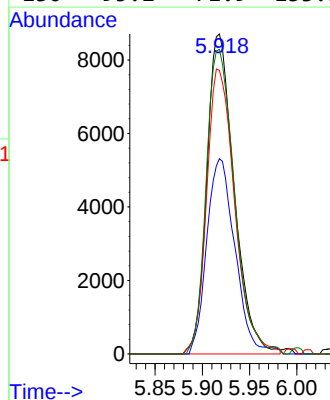
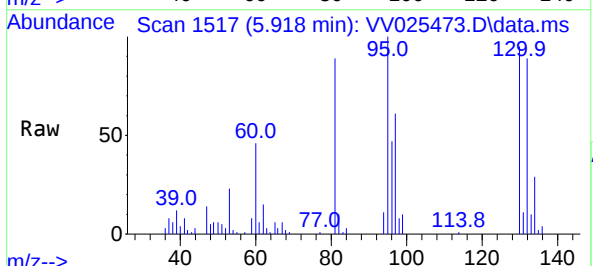
Tgt Ion: 78 Resp: 4292

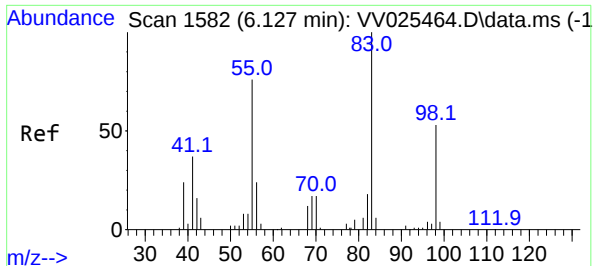


#34
Trichloroethene
Concen: 1.361 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.007 min
Lab File: VV025473.D
Acq: 12 Apr 2022 14:45

Tgt Ion: 95 Resp: 17462

Ion	Ratio	Lower	Upper
95	100		
97	61.0	45.8	85.2
132	88.6	68.0	126.4
130	95.2	71.9	133.5





#35

Methylcyclohexane

Concen: 0.661 ug/L

RT: 6.072 min Scan# 1

Delta R.T. -0.055 min

Lab File: VV025473.D

Acq: 12 Apr 2022 14:45

Instrument :

MSVOA_V

ClientSampleId :

BFY47

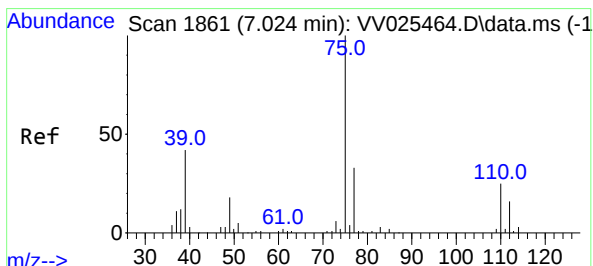
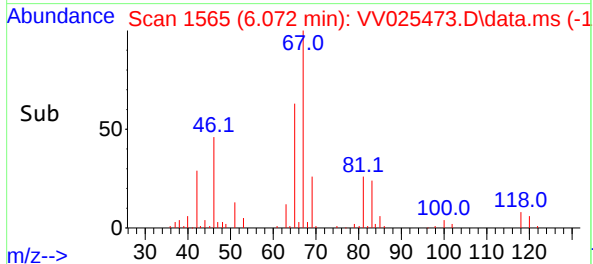
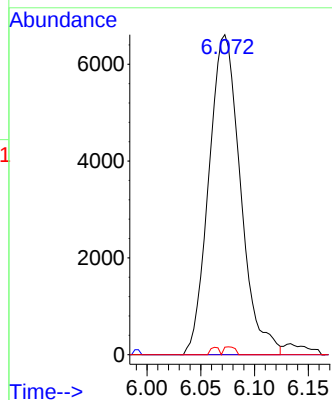
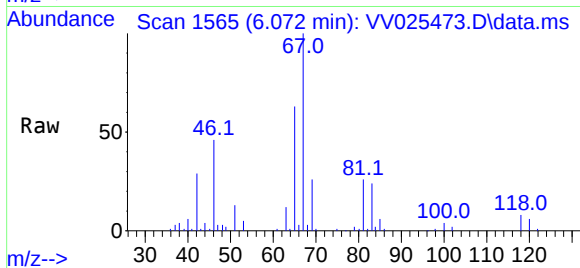
Tgt Ion: 83 Resp: 13532

Ion Ratio Lower Upper

83 100

55 8.7 53.7 80.5#

98 0.9 39.6 59.4#



#39

cis-1,3-Dichloropropene

Concen: 0.106 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.035 min

Lab File: VV025473.D

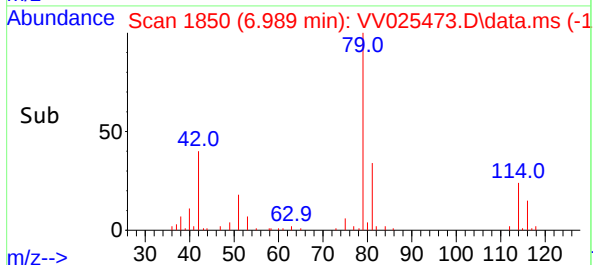
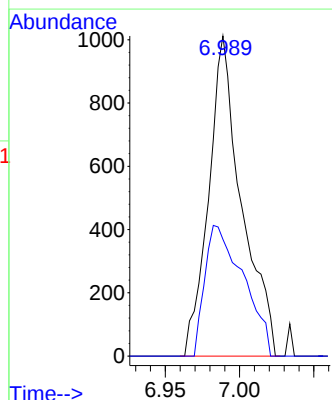
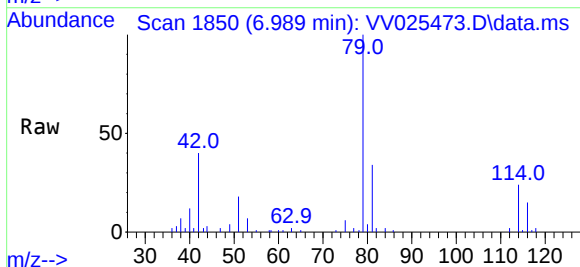
Acq: 12 Apr 2022 14:45

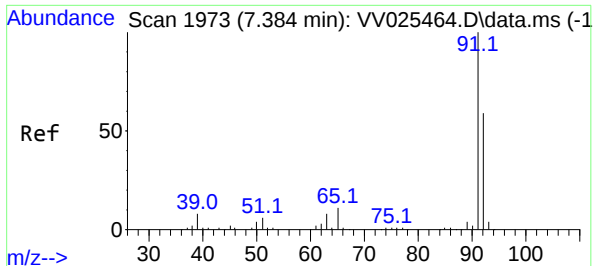
Tgt Ion: 75 Resp: 1559

Ion Ratio Lower Upper

75 100

77 36.5 21.8 40.6





#42

Toluene

Concen: 0.249 ug/L

RT: 7.397 min Scan# 1973

Delta R.T. 0.013 min

Lab File: VV025473.D

Acq: 12 Apr 2022 14:45

Instrument :

MSVOA_V

ClientSampleId :

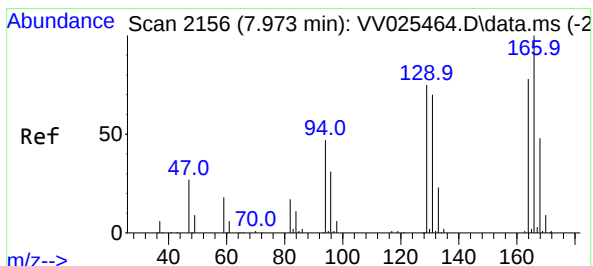
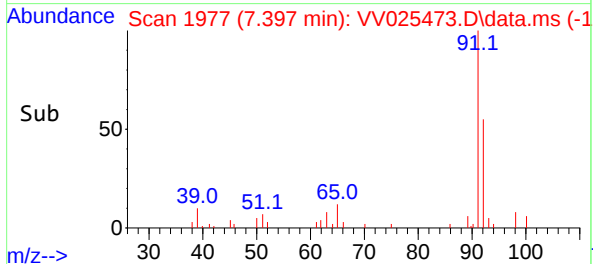
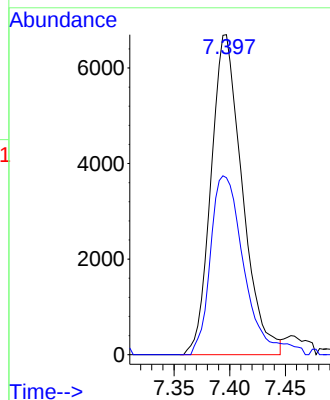
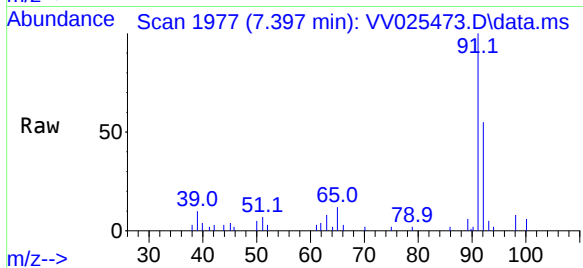
BFY47

Tgt Ion: 91 Resp: 13069

Ion Ratio Lower Upper

91 100

92 55.3 40.8 75.8



#47

Tetrachloroethene

Concen: 2.527 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV025473.D

Acq: 12 Apr 2022 14:45

Tgt Ion: 164 Resp: 25384

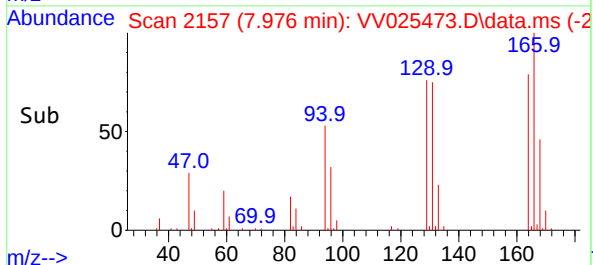
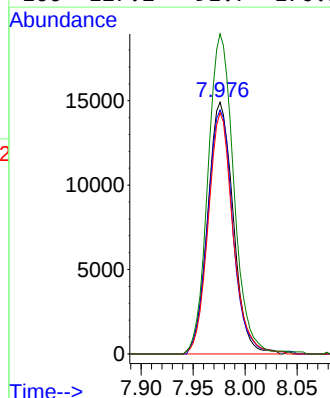
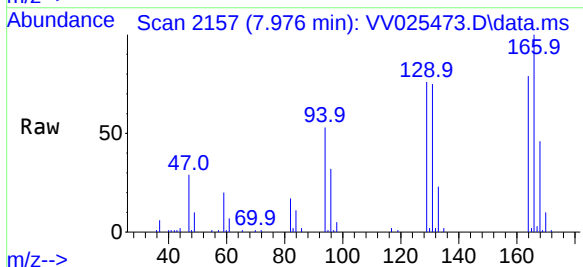
Ion Ratio Lower Upper

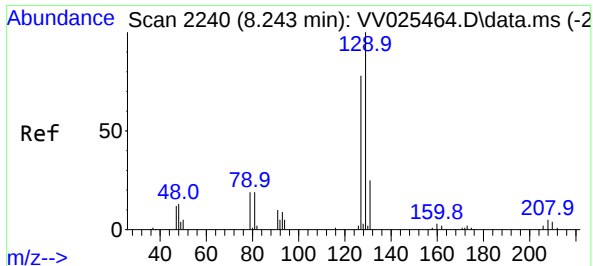
164 100

129 96.9 66.8 124.2

131 95.9 66.4 123.4

166 127.2 91.7 170.3





#49

Dibromochloromethane

Concen: 2.865 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV025473.D

Acq: 12 Apr 2022 14:45

Instrument :

MSVOA_V

ClientSampleId :

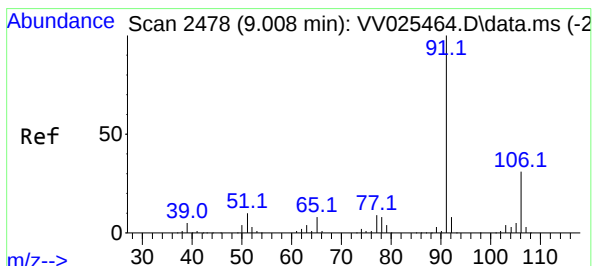
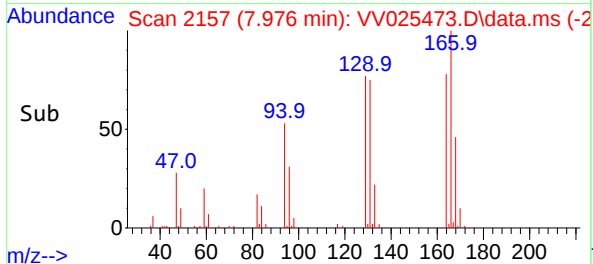
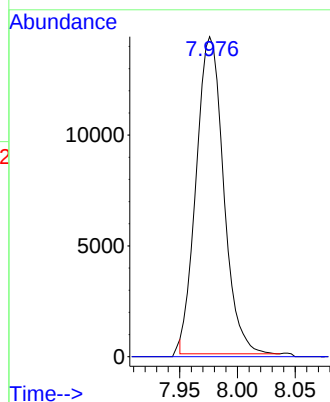
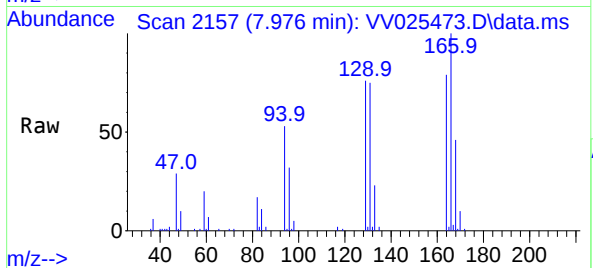
BFY47

Tgt Ion:129 Resp: 23546

Ion Ratio Lower Upper

129 100

127 0.0 53.8 100.0#



#52

Ethylbenzene

Concen: 0.050 ug/L

RT: 9.146 min Scan# 2521

Delta R.T. 0.138 min

Lab File: VV025473.D

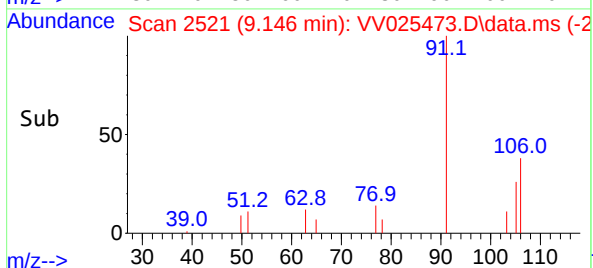
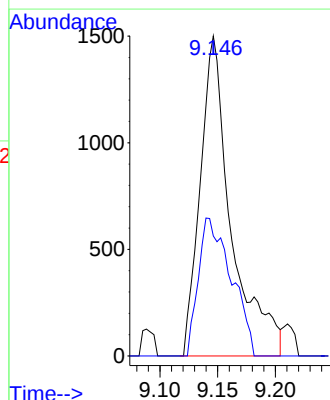
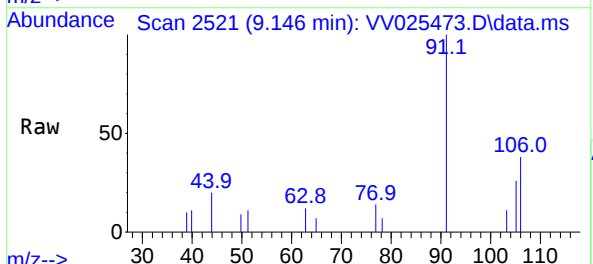
Acq: 12 Apr 2022 14:45

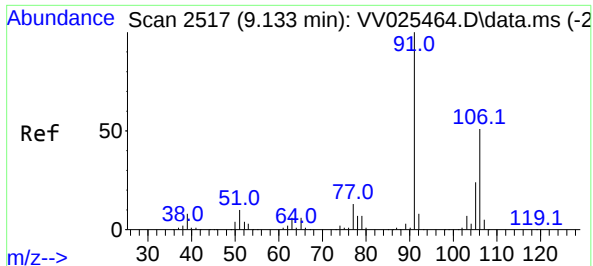
Tgt Ion: 91 Resp: 2800

Ion Ratio Lower Upper

91 100

106 37.5 22.3 41.3

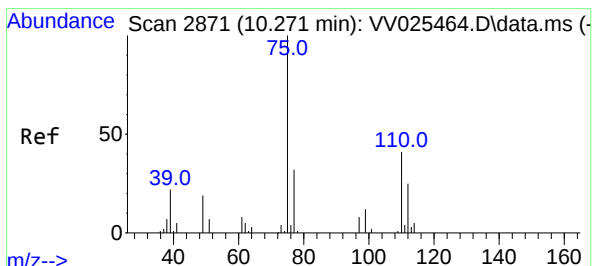
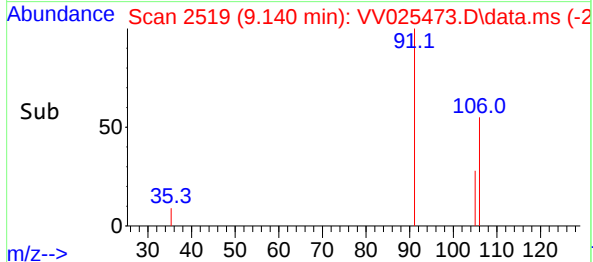
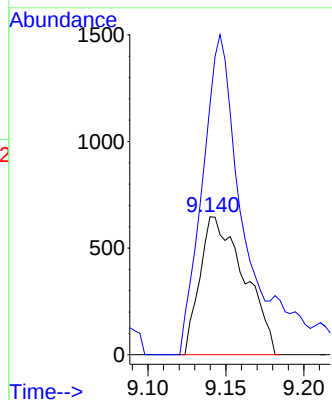
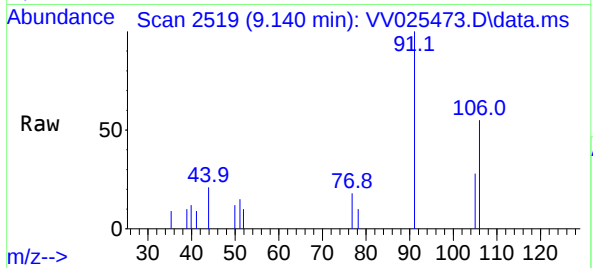




#53
m,p-Xylene
Concen: 0.060 ug/L
RT: 9.140 min Scan# 21
Delta R.T. 0.007 min
Lab File: VV025473.D
Acq: 12 Apr 2022 14:45

Instrument :
MSVOA_V
ClientSampleId :
BFY47

Tgt Ion:106 Resp: 1278
Ion Ratio Lower Upper
106 100
91 181.3 136.4 253.4



#61
1,2,3-Trichloropropane
Concen: 2.024 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.974 min
Lab File: VV025473.D
Acq: 12 Apr 2022 14:45

Tgt Ion: 75 Resp: 11354
Ion Ratio Lower Upper
75 100
77 30.6 25.6 38.4
110 2.4 34.7 52.1#

