

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051622\
 Data File : VW025904.D
 Acq On : 16 May 2022 12:02
 Operator : SY/MD
 Sample : N2831-01
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 YB2J8

Quant Time: May 17 08:00:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR051322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue May 17 07:58:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	134591	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	138576	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	62389	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	56557	5.088	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 101.800%		
7) Chloroethane-d5	1.568	69	51451	5.406	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 108.200%		
11) 1,1-Dichloroethene-d2	2.114	63	148436	6.033	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 120.600%		
20) 2-Butanone-d5	3.905	46	50261	39.043	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 78.080%		
24) Chloroform-d	4.352	84	92652	5.103	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 102.000%		
26) 1,2-Dichloroethane-d4	5.037	65	41663	5.411	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 108.200%		
32) Benzene-d6	5.053	84	185925	5.167	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 103.400%		
36) 1,2-Dichloropropane-d6	6.072	67	55909	5.344	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 106.800%		
41) Toluene-d8	7.317	98	157515	4.709	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 94.200%		
43) trans-1,3-Dichloroprop...	7.628	79	16190	4.732	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 94.600%		
46) 2-Hexanone-d5	8.091	63	59085	46.511	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 93.020%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	32977	4.893	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 97.800%		
66) 1,2-Dichlorobenzene-d4	11.625	152	48817	5.496	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 110.000%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	890	0.052	ug/L	83
6) Bromomethane	1.523	94	451	0.043	ug/L #	46
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	2846	0.213	ug/L #	79
12) 1,1-Dichloroethene	2.121	96	104873	8.108	ug/L	92
17) Methyl tert-butyl Ether	2.777	73	953	0.046	ug/L #	72
18) trans-1,2-Dichloroethene	2.764	96	1199	0.106	ug/L	95
19) 1,1-Dichloroethane	3.195	63	23874	1.118	ug/L	96
22) cis-1,2-Dichloroethene	3.918	96	24599	2.135	ug/L	92
25) Chloroform	4.381	83	34545	1.596	ug/L	98
27) 1,2-Dichloroethane	5.159	62	2443	0.214	ug/L #	86
31) Carbon tetrachloride	4.834	117	8146	0.509	ug/L	99
34) Trichloroethene	5.912	95	1734021	144.674	ug/L	99
35) Methylcyclohexane	6.069	83	13915	0.756	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	5985	0.541	ug/L #	87
38) Bromodichloromethane	6.519	83	1101	0.079	ug/L #	92
39) cis-1,3-Dichloropropene	6.989	75	1439	0.101	ug/L #	65
45) 1,1,2-Trichloroethane	7.844	97	642	0.084	ug/L	92
47) Tetrachloroethene	7.976	164	139795	15.052	ug/L	96
49) Dibromochloromethane	7.976	129	133689	16.099	ug/L #	11

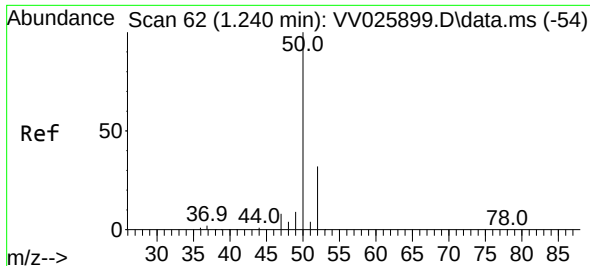
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV051622\
Data File : VV025904.D
Acq On : 16 May 2022 12:02
Operator : SY/MD
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue May 17 07:58:29 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	10.278	75	1121	0.216	ug/L #	58

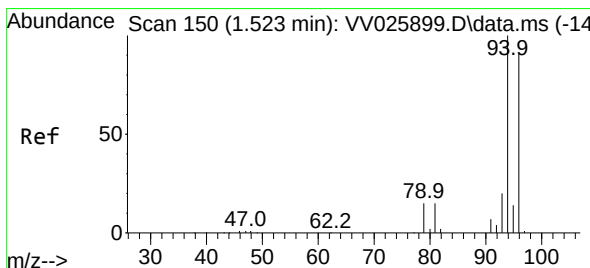
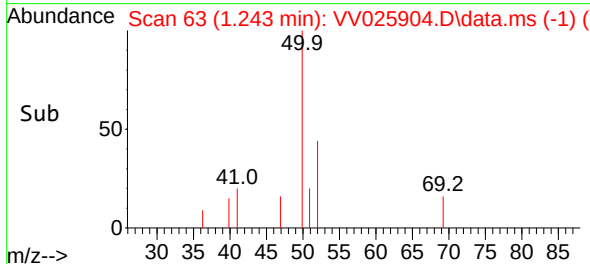
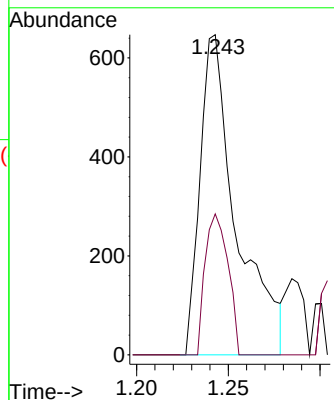
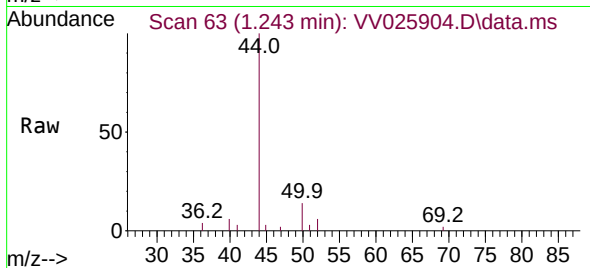
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
Chloromethane
Concen: 0.052 ug/L
RT: 1.243 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV025904.D
Acq: 16 May 2022 12:02

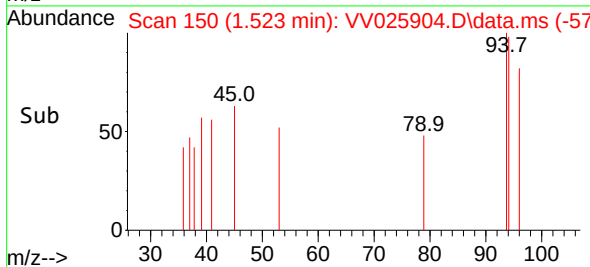
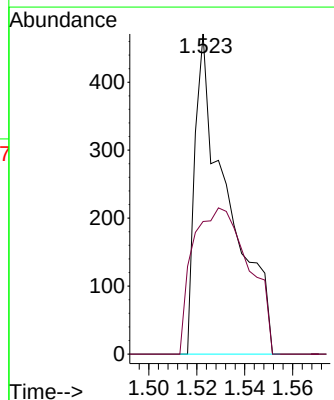
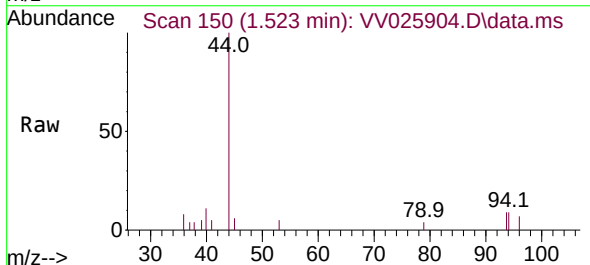
Instrument :
MSVOA_V
ClientSampleId :
YB2J8

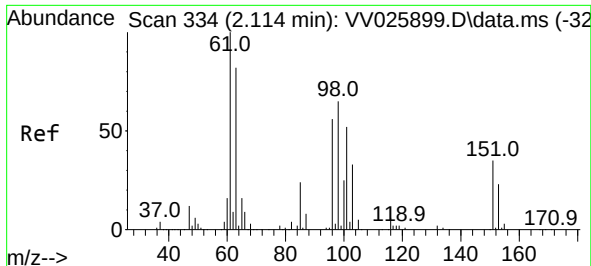
Tgt Ion: 50 Resp: 890
Ion Ratio Lower Upper
50 100
52 44.0 23.9 44.3



#6
Bromomethane
Concen: 0.043 ug/L
RT: 1.523 min Scan# 150
Delta R.T. 0.000 min
Lab File: VV025904.D
Acq: 16 May 2022 12:02

Tgt Ion: 94 Resp: 451
Ion Ratio Lower Upper
94 100
96 41.4 65.4 121.4#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.213 ug/L

RT: 2.117 min Scan# 334

Delta R.T. 0.003 min

Lab File: VV025904.D

Acq: 16 May 2022 12:02

Instrument :

MSVOA_V

ClientSampleId :

YB2J8

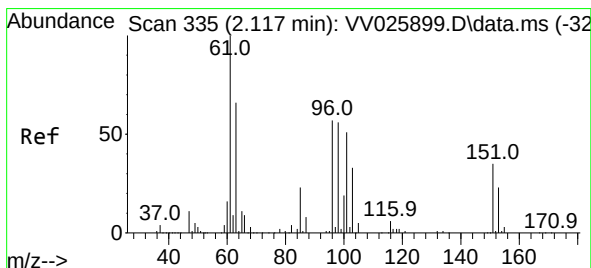
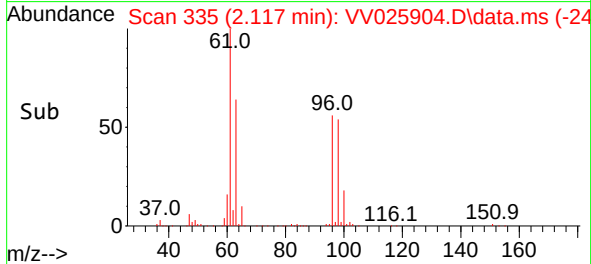
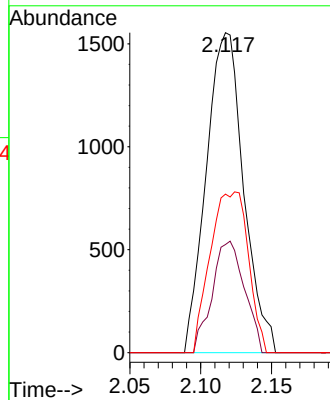
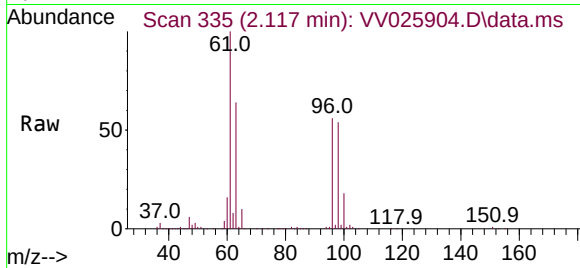
Tgt Ion:101 Resp: 2846

Ion Ratio Lower Upper

101 100

85 30.2 35.7 53.5#

151 51.3 54.1 81.1#



#12

1,1-Dichloroethene

Concen: 8.108 ug/L

RT: 2.121 min Scan# 336

Delta R.T. 0.003 min

Lab File: VV025904.D

Acq: 16 May 2022 12:02

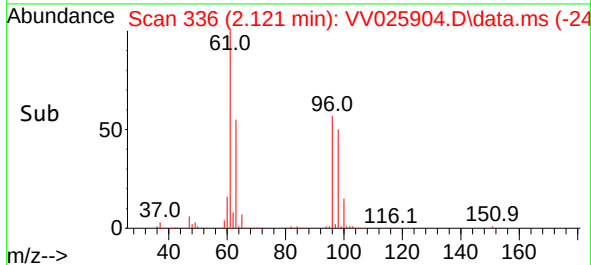
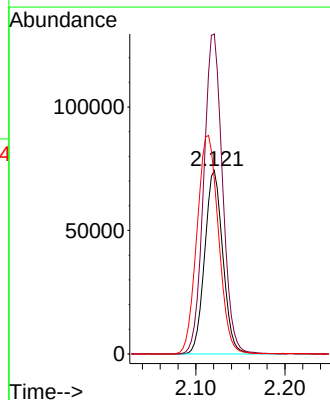
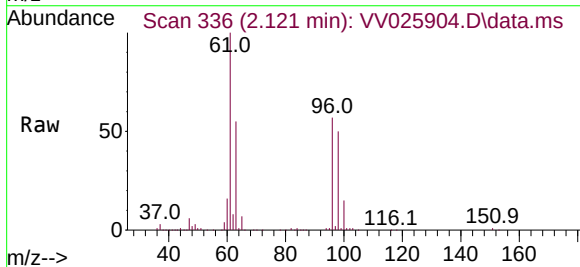
Tgt Ion: 96 Resp: 104873

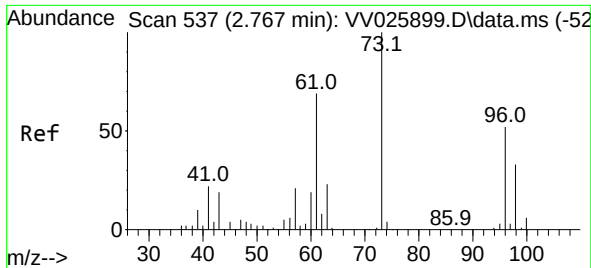
Ion Ratio Lower Upper

96 100

61 174.5 119.8 222.6

63 95.4 78.3 145.3

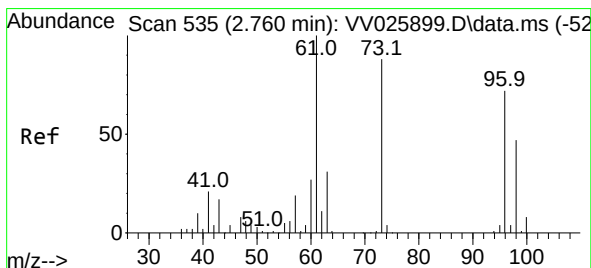
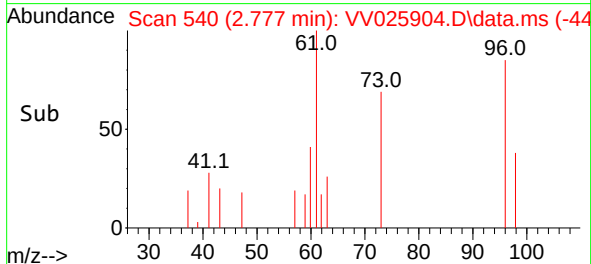
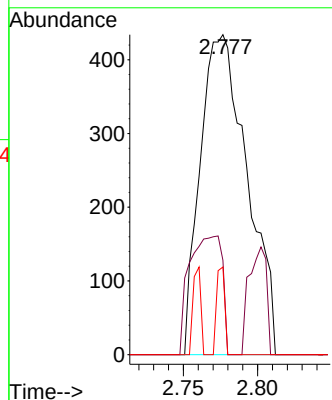
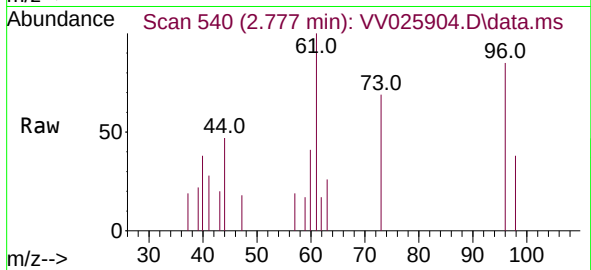




#17
Methyl tert-butyl Ether
Concen: 0.046 ug/L
RT: 2.777 min Scan# 54
Delta R.T. 0.010 min
Lab File: VV025904.D
Acq: 16 May 2022 12:02

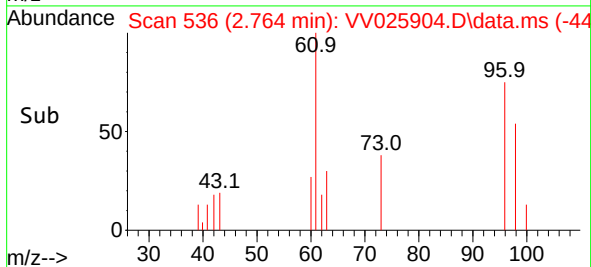
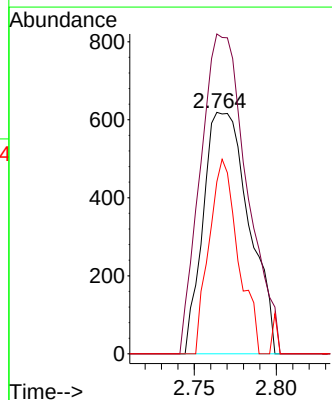
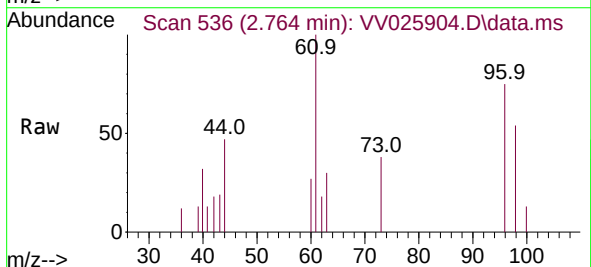
Instrument :
MSVOA_V
ClientSampleId :
YB2J8

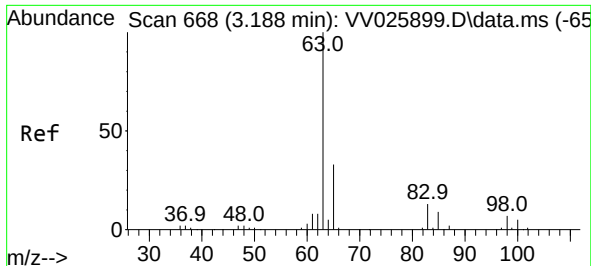
Tgt Ion: 73 Resp: 953
Ion Ratio Lower Upper
73 100
43 25.9 14.6 22.0#
57 4.7 17.9 26.9#



#18
trans-1,2-Dichloroethene
Concen: 0.106 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV025904.D
Acq: 16 May 2022 12:02

Tgt Ion: 96 Resp: 1199
Ion Ratio Lower Upper
96 100
61 132.5 93.6 173.8
98 71.2 42.8 79.4





#19

1,1-Dichloroethane

Concen: 1.118 ug/L

RT: 3.195 min Scan# 61

Delta R.T. 0.007 min

Lab File: VV025904.D

Acq: 16 May 2022 12:02

Instrument :

MSVOA_V

ClientSampleId :

YB2J8

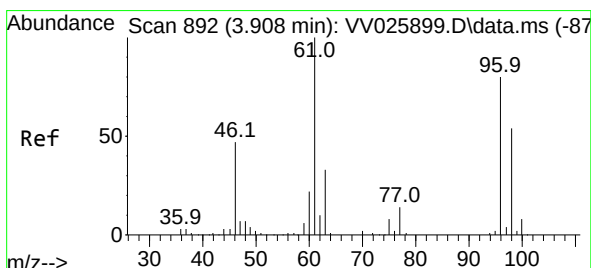
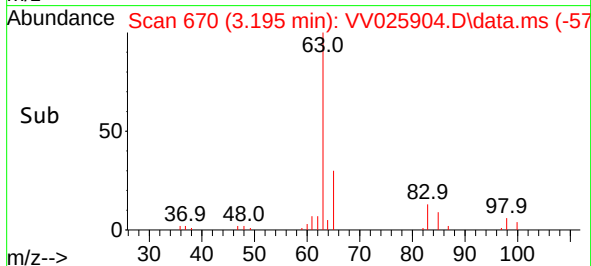
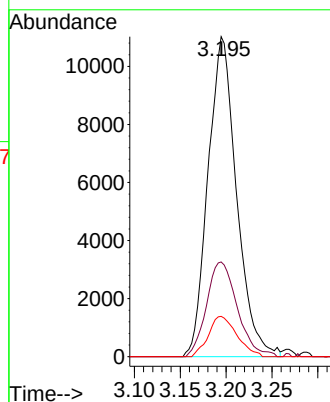
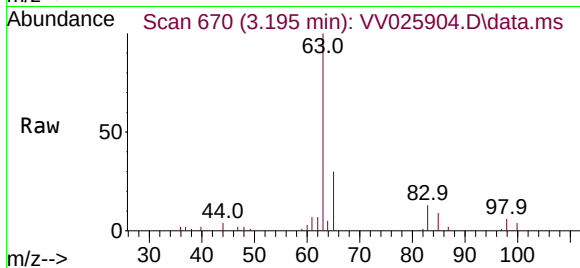
Tgt Ion: 63 Resp: 23874

Ion Ratio Lower Upper

63 100

65 29.6 22.3 41.5

83 12.6 10.0 18.6



#22

cis-1,2-Dichloroethene

Concen: 2.135 ug/L

RT: 3.918 min Scan# 895

Delta R.T. 0.010 min

Lab File: VV025904.D

Acq: 16 May 2022 12:02

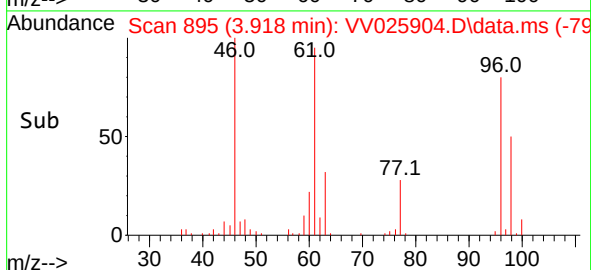
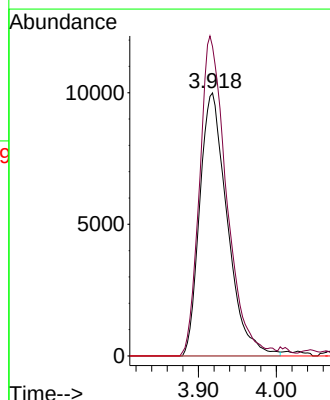
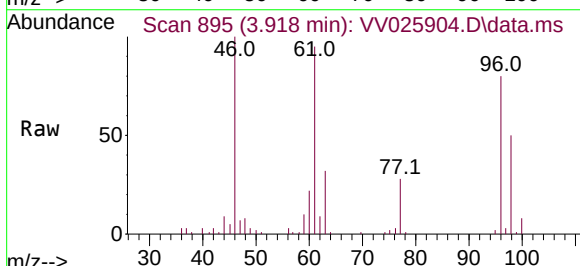
Tgt Ion: 96 Resp: 24599

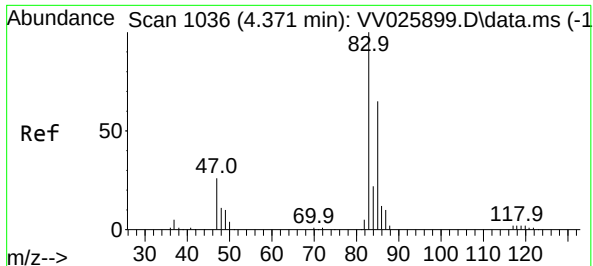
Ion Ratio Lower Upper

96 100

61 117.7 88.9 165.1

68 0.0 0.0 0.0





#25

Chloroform

Concen: 1.596 ug/L

RT: 4.381 min Scan# 1036

Delta R.T. 0.010 min

Lab File: VV025904.D

Acq: 16 May 2022 12:02

Instrument :

MSVOA_V

ClientSampleId :

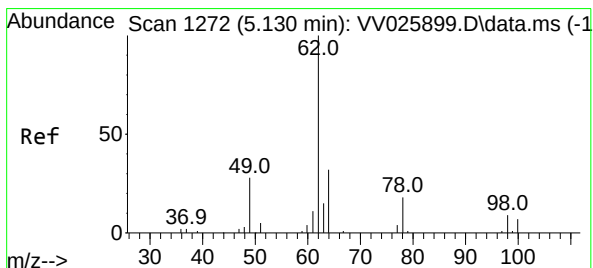
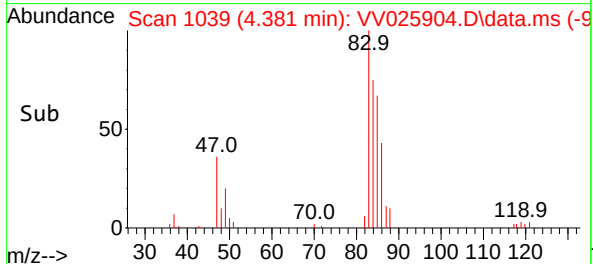
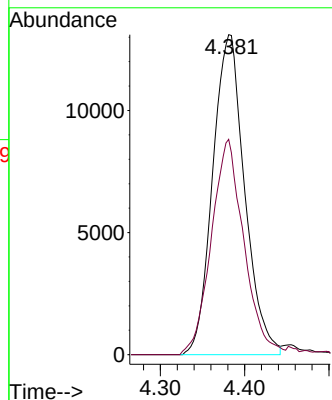
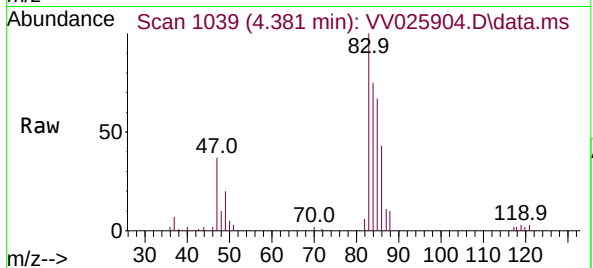
YB2J8

Tgt Ion: 83 Resp: 34545

Ion Ratio Lower Upper

83 100

85 67.3 46.1 85.7



#27

1,2-Dichloroethane

Concen: 0.214 ug/L

RT: 5.159 min Scan# 1281

Delta R.T. 0.029 min

Lab File: VV025904.D

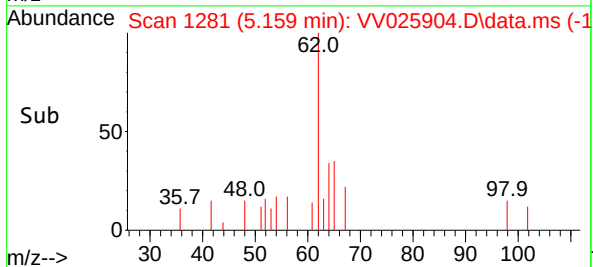
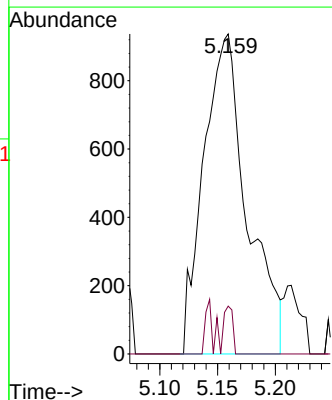
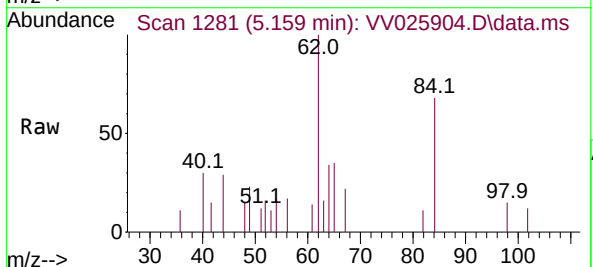
Acq: 16 May 2022 12:02

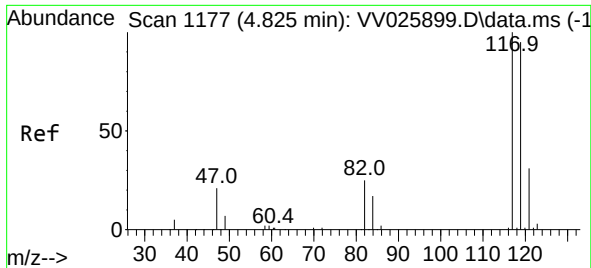
Tgt Ion: 62 Resp: 2443

Ion Ratio Lower Upper

62 100

98 14.9 7.9 11.9

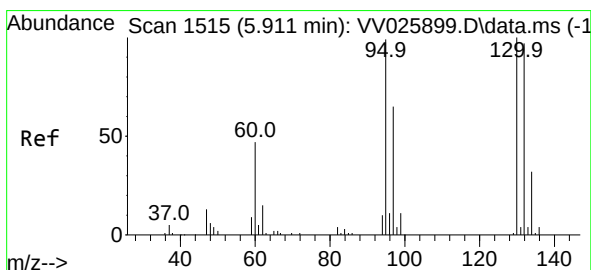
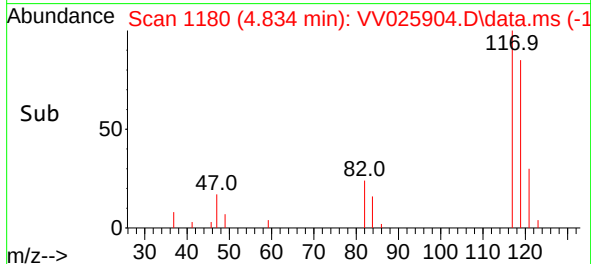
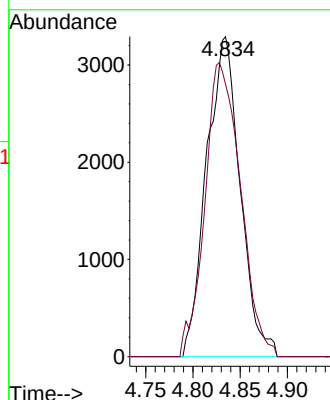
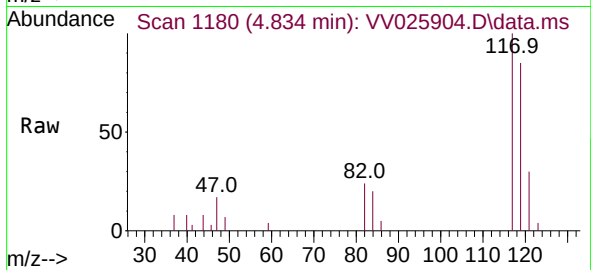




#31
Carbon tetrachloride
Concen: 0.509 ug/L
RT: 4.834 min Scan# 1177
Delta R.T. 0.010 min
Lab File: VV025904.D
Acq: 16 May 2022 12:02

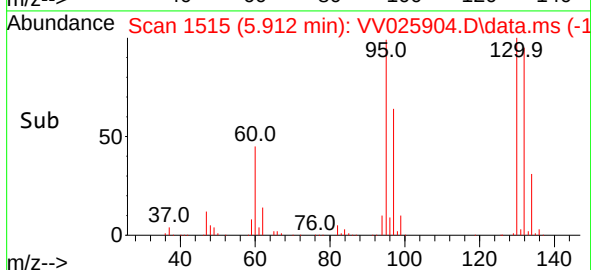
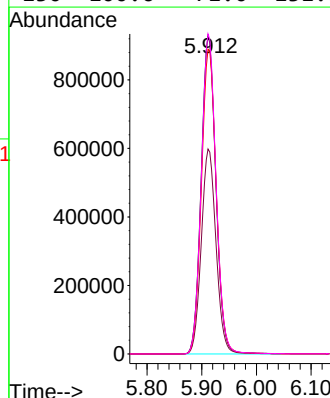
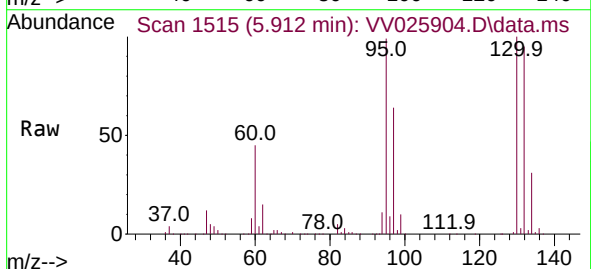
Instrument :
MSVOA_V
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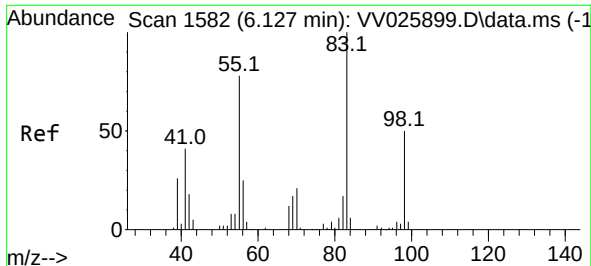
Tgt Ion:117 Resp: 8146
Ion Ratio Lower Upper
117 100
119 97.3 77.0 115.6



#34
Trichloroethene
Concen: 144.674 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. 0.000 min
Lab File: VV025904.D
Acq: 16 May 2022 12:02

Tgt Ion: 95 Resp: 1734021
Ion Ratio Lower Upper
95 100
97 64.4 44.9 83.3
132 95.8 67.6 125.6
130 100.6 71.0 131.8

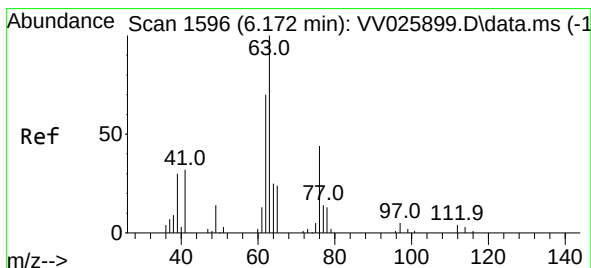
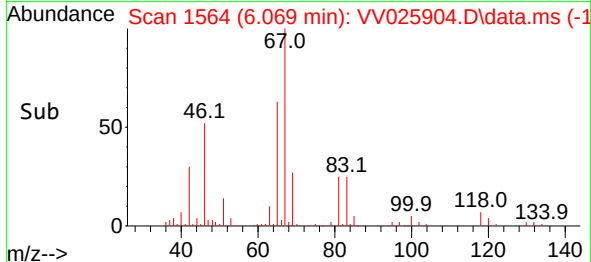
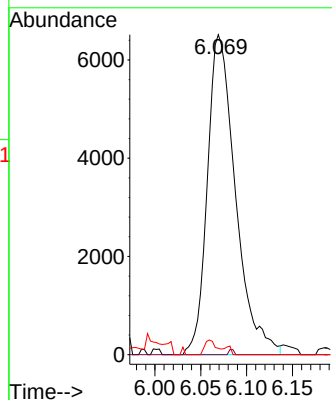
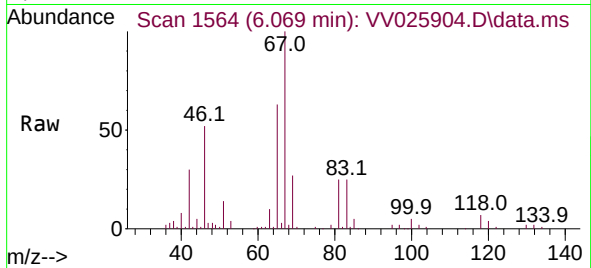




#35
Methylcyclohexane
Concen: 0.756 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.058 min
Lab File: VV025904.D
Acq: 16 May 2022 12:02

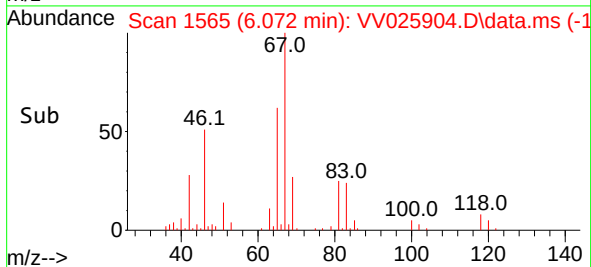
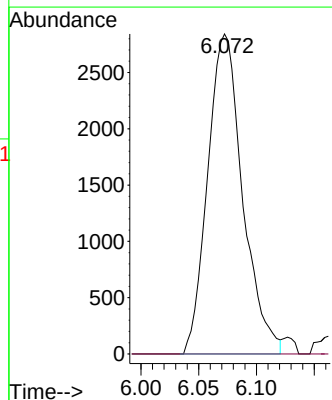
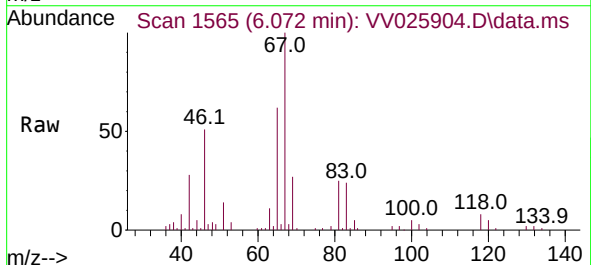
Instrument :
MSVOA_V
ClientSampleId :
YB2J8

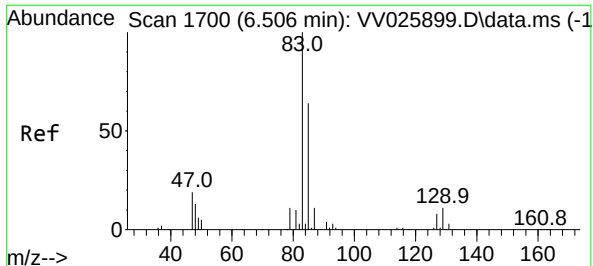
Tgt Ion: 83 Resp: 13915
Ion Ratio Lower Upper
83 100
55 0.3 60.1 90.1#
98 0.0 40.6 61.0#



#37
1,2-Dichloropropane
Concen: 0.541 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.100 min
Lab File: VV025904.D
Acq: 16 May 2022 12:02

Tgt Ion: 63 Resp: 5985
Ion Ratio Lower Upper
63 100
112 0.7 3.9 5.9#

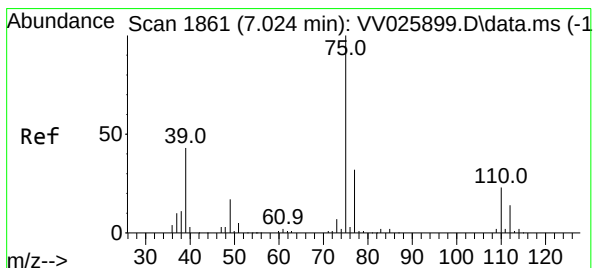
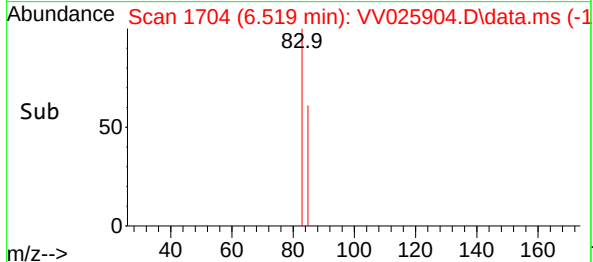
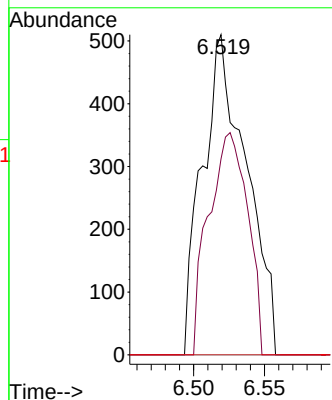
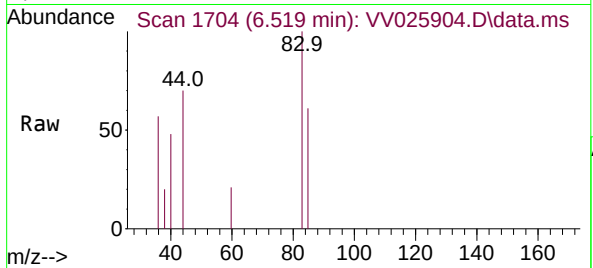




#38
Bromodichloromethane
Concen: 0.079 ug/L
RT: 6.519 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV025904.D
Acq: 16 May 2022 12:02

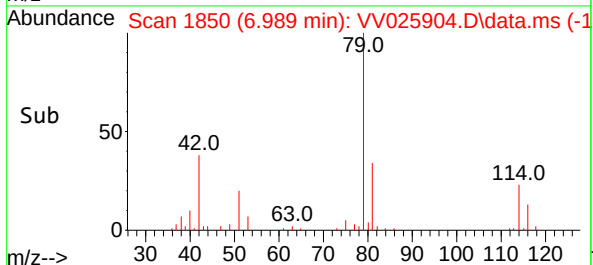
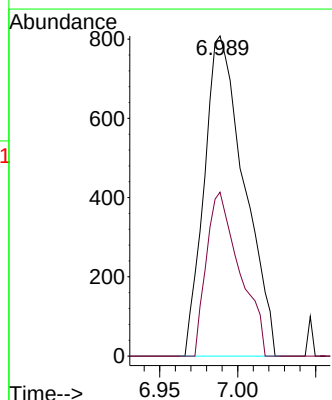
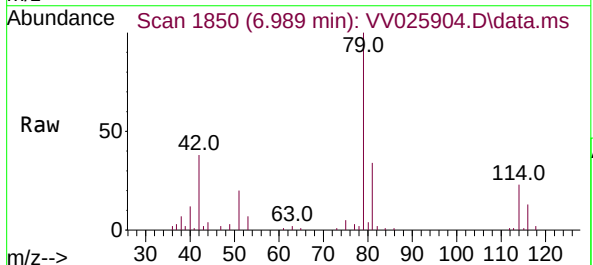
Instrument :
MSVOA_V
ClientSampleId :
YB2J8

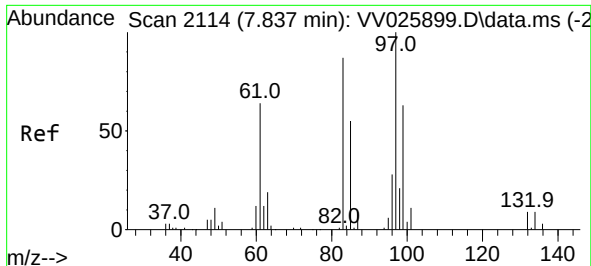
Tgt Ion: 83 Resp: 1101
Ion Ratio Lower Upper
83 100
85 61.2 46.1 85.5
127 0.0 6.5 9.7#



#39
cis-1,3-Dichloropropene
Concen: 0.101 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.035 min
Lab File: VV025904.D
Acq: 16 May 2022 12:02

Tgt Ion: 75 Resp: 1439
Ion Ratio Lower Upper
75 100
77 51.2 22.1 41.1#





#45

1,1,2-Trichloroethane

Concen: 0.084 ug/L

RT: 7.844 min Scan# 2116

Delta R.T. 0.007 min

Lab File: VV025904.D

Acq: 16 May 2022 12:02

Instrument :

MSVOA_V

ClientSampleId :

YB2J8

Tgt Ion: 97 Resp: 642

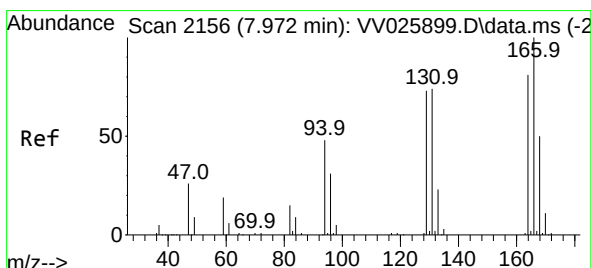
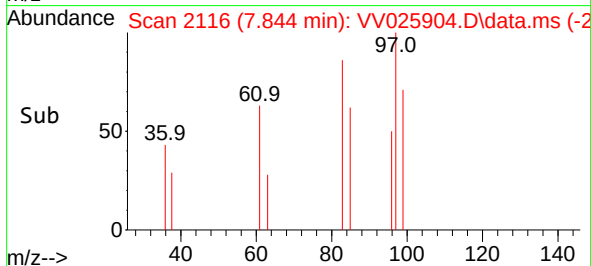
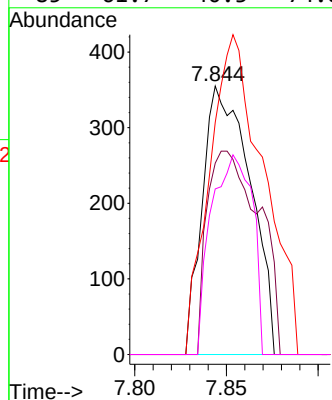
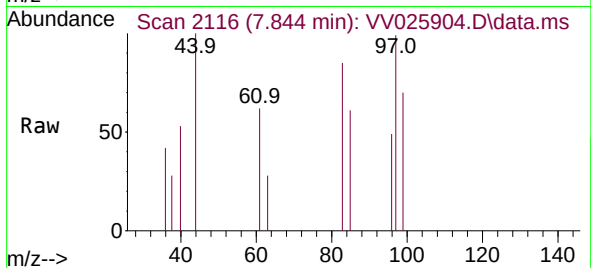
Ion Ratio Lower Upper

97 100

99 71.3 44.8 83.2

83 86.5 65.7 121.9

85 61.7 40.3 74.8



#47

Tetrachloroethene

Concen: 15.052 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV025904.D

Acq: 16 May 2022 12:02

Tgt Ion: 164 Resp: 139795

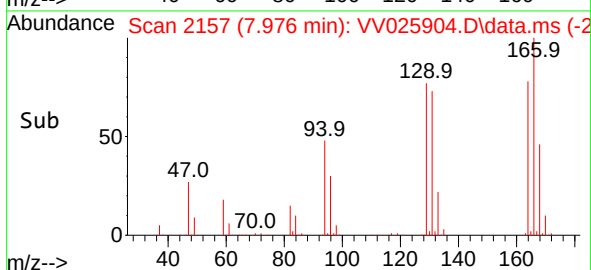
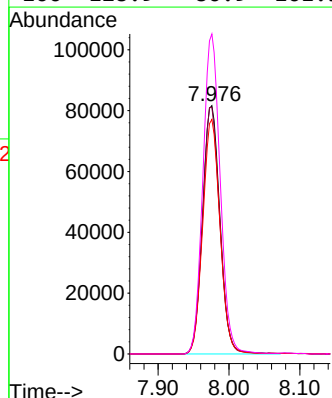
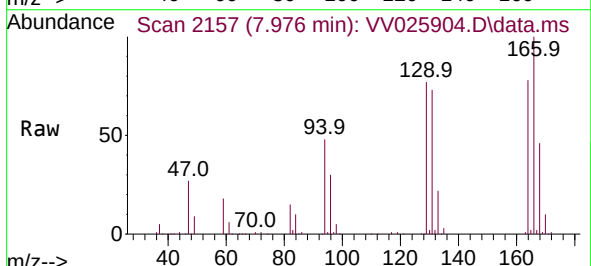
Ion Ratio Lower Upper

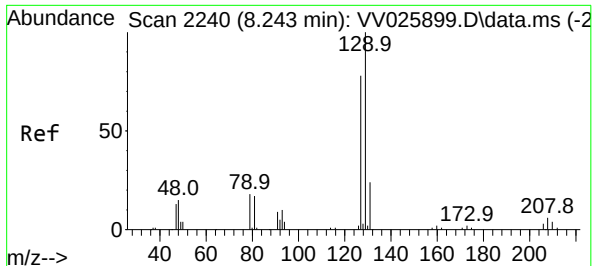
164 100

129 99.3 67.5 125.4

131 94.5 63.8 118.4

166 128.9 86.9 161.3





#49

Dibromochloromethane

Concen: 16.099 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV025904.D

Acq: 16 May 2022 12:02

Instrument :

MSVOA_V

ClientSampleId :

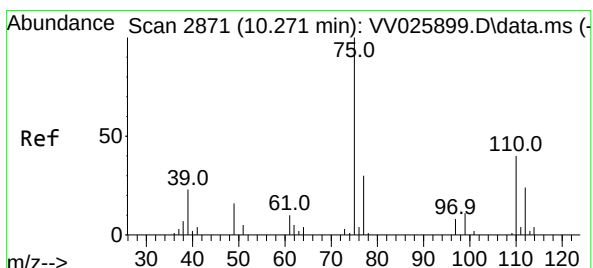
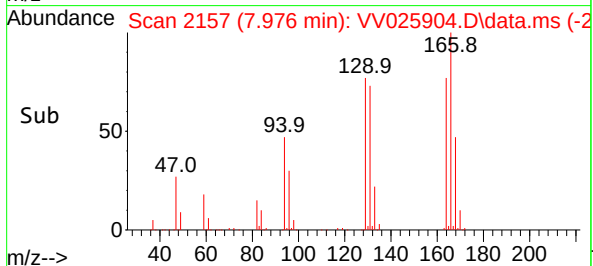
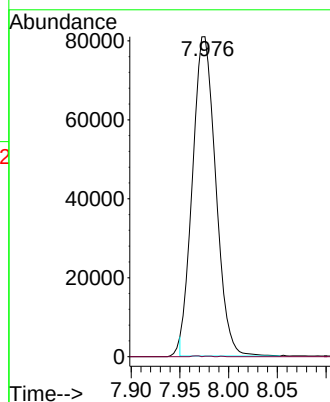
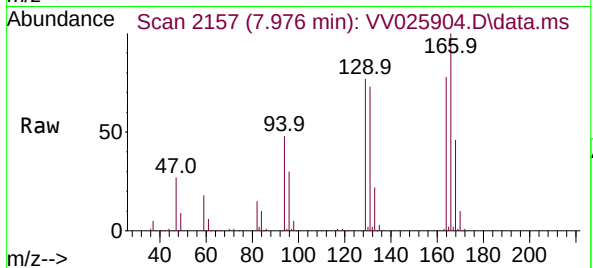
YB2J8

Tgt Ion:129 Resp: 133689

Ion Ratio Lower Upper

129 100

127 0.2 54.5 101.1#



#61

1,2,3-Trichloropropane

Concen: 0.216 ug/L

RT: 10.278 min Scan# 2873

Delta R.T. 0.007 min

Lab File: VV025904.D

Acq: 16 May 2022 12:02

Tgt Ion: 75 Resp: 1121

Ion Ratio Lower Upper

75 100

77 25.4 26.2 39.2#

110 0.0 32.4 48.6#

