

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032622\
 Data File : VW025235.D
 Acq On : 27 Mar 2022 06:05
 Operator : SY/MD
 Sample : N2110-07
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0PB8

Quant Time: Mar 28 03:49:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Mar 28 03:13:34 2022
 Response via : Initial Calibration

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

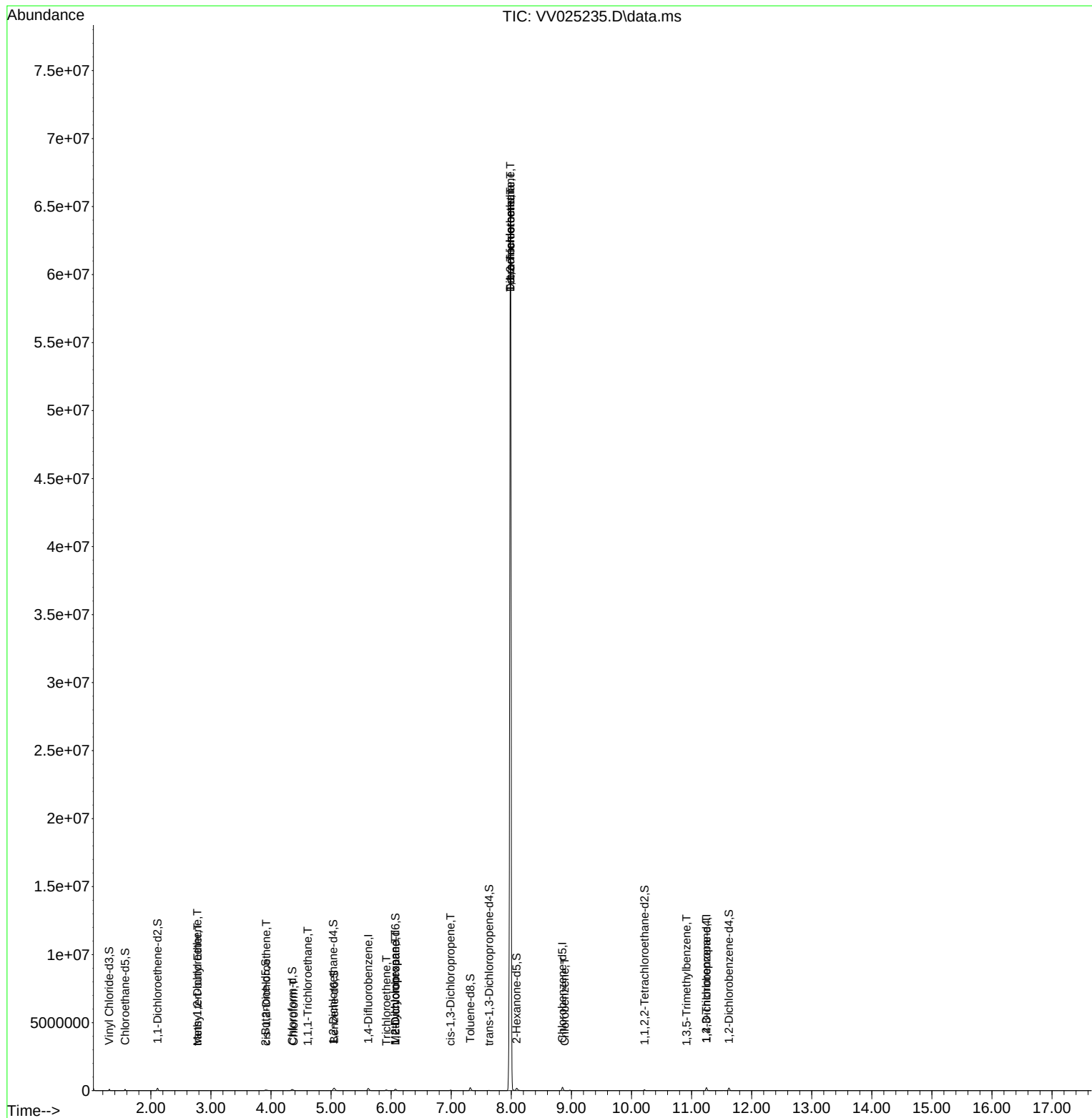
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	145031	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	140394	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	58246	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	58635	4.328	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.600%
7) Chloroethane-d5	1.571	69	53374	4.694	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.800%
11) 1,1-Dichloroethene-d2	2.111	63	94487	3.220	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.400%
20) 2-Butanone-d5	3.908	46	65263	48.363	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.720%
24) Chloroform-d	4.352	84	85662	4.845	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
26) 1,2-Dichloroethane-d4	5.037	65	38405	4.915	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.200%
32) Benzene-d6	5.050	84	175942	4.954	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	6.072	67	51364	5.160	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.200%
41) Toluene-d8	7.316	98	152004	4.666	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.400%
43) trans-1,3-Dichloroprop...	7.628	79	13849	4.265	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.200%
46) 2-Hexanone-d5	8.088	63	64852	55.296	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.600%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31649	4.768	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	49668	5.309	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.200%
Target Compounds						Qvalue
17) Methyl tert-butyl Ether	2.780	73	3254	0.176	ug/L #	91
18) trans-1,2-Dichloroethene	2.773	96	382	0.036	ug/L #	72
22) cis-1,2-Dichloroethene	3.918	96	15059	1.414	ug/L	95
25) Chloroform	4.378	83	7384	0.380	ug/L	94
29) 1,1,1-Trichloroethane	4.612	97	935	0.055	ug/L #	74
34) Trichloroethene	5.918	95	19479	1.723	ug/L	98
35) Methylcyclohexane	6.069	83	12567	0.709	ug/L #	21
37) 1,2-Dichloropropane	6.069	63	6177	0.647	ug/L #	85
39) cis-1,3-Dichloropropene	6.989	75	1285	0.104	ug/L #	55
45) 1,1,2-Trichloroethane	7.985	97	134329	20.538	ug/L #	1
47) Tetrachloroethene	7.985	164	13286393	1593.424	ug/L	91
49) Dibromochloromethane	7.985	129	13375250	1900.327	ug/L #	11
51) Chlorobenzene	8.889	112	1162	0.041	ug/L #	77
61) 1,2,3-Trichloropropane	11.246	75	7799	1.770	ug/L #	64
62) 1,3,5-Trimethylbenzene	10.914	105	529	0.031	ug/L #	28

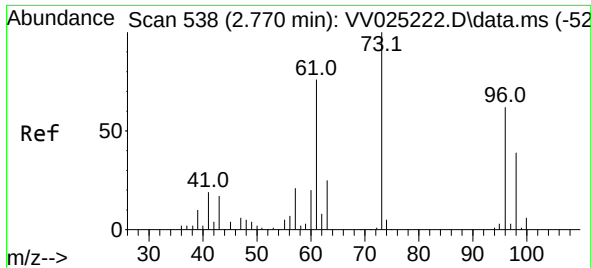
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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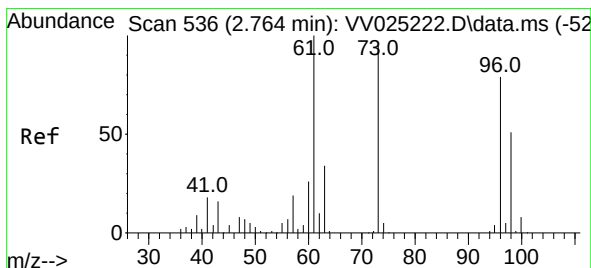
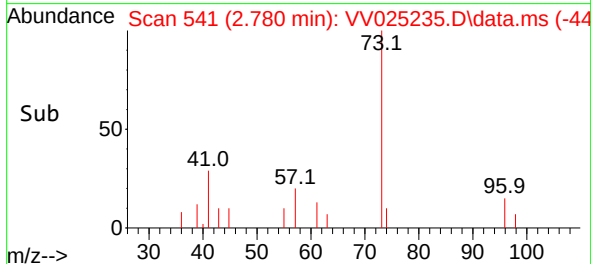
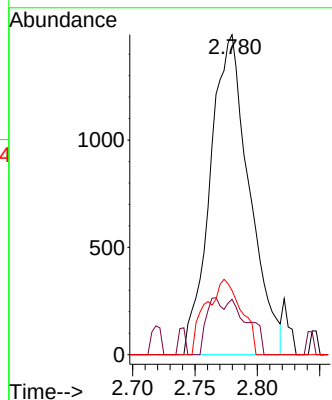
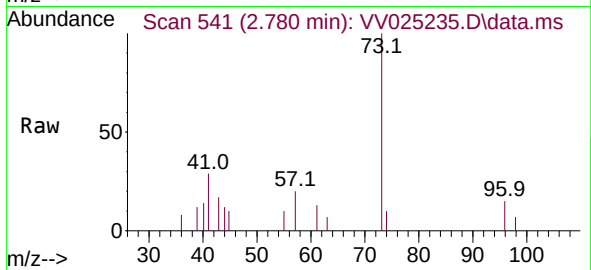




#17
Methyl tert-butyl Ether
Concen: 0.176 ug/L
RT: 2.780 min Scan# 541
Delta R.T. 0.010 min
Lab File: VV025235.D
Acq: 27 Mar 2022 06:05

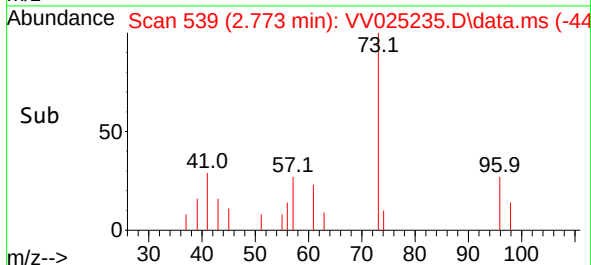
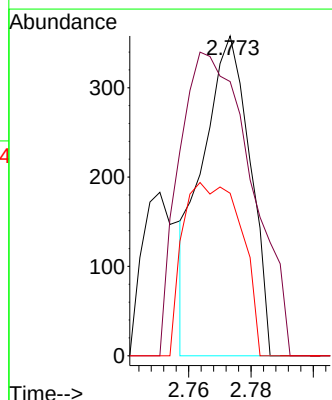
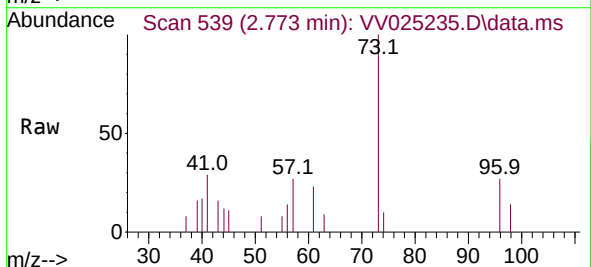
Instrument :
MSVOA_V
ClientSampleId :
C0PB8

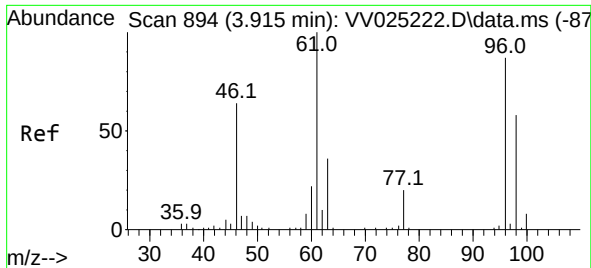
Tgt Ion: 73 Resp: 3254
Ion Ratio Lower Upper
73 100
43 9.6 13.5 20.3#
57 21.3 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 0.036 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.010 min
Lab File: VV025235.D
Acq: 27 Mar 2022 06:05

Tgt Ion: 96 Resp: 382
Ion Ratio Lower Upper
96 100
61 85.8 87.6 162.8#
98 50.8 44.0 81.8

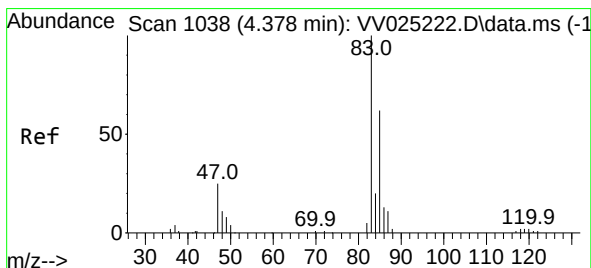
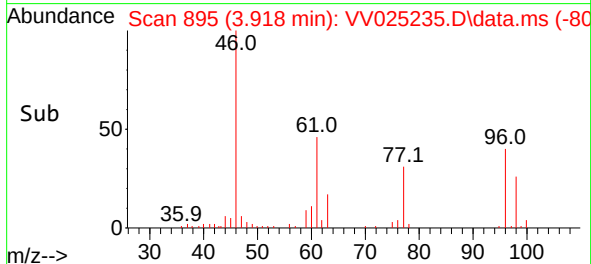
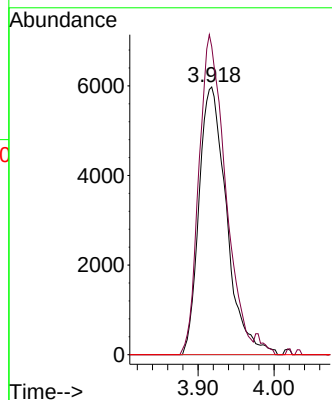
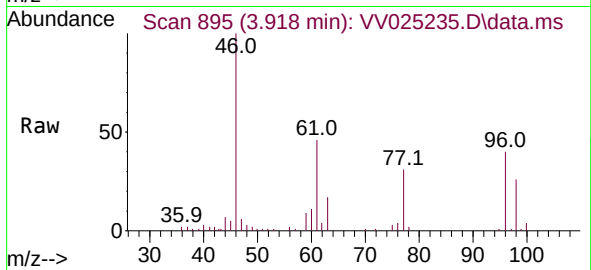




#22
 cis-1,2-Dichloroethene
 Concen: 1.414 ug/L
 RT: 3.918 min Scan# 895
 Delta R.T. 0.003 min
 Lab File: VV025235.D
 Acq: 27 Mar 2022 06:05

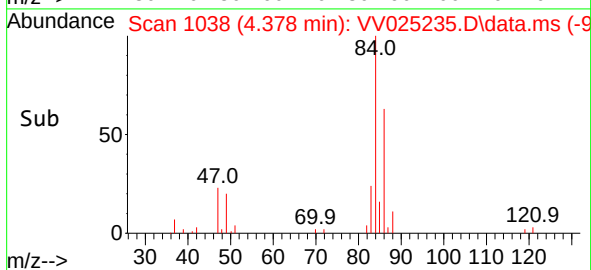
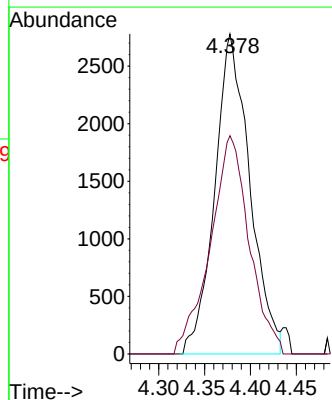
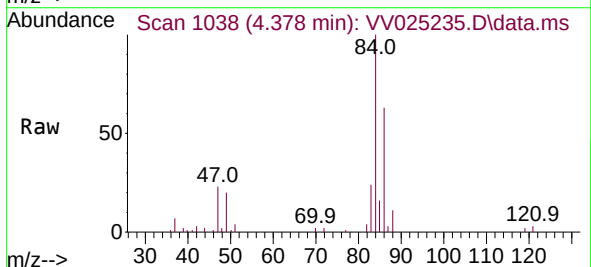
Instrument :
 MSVOA_V
 ClientSampleId :
 C0PB8

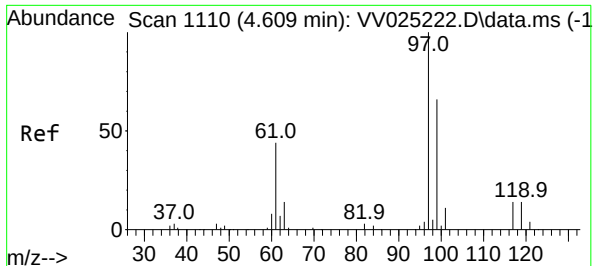
Tgt Ion: 96 Resp: 15059
 Ion Ratio Lower Upper
 96 100
 61 115.1 84.1 156.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.380 ug/L
 RT: 4.378 min Scan# 1038
 Delta R.T. -0.000 min
 Lab File: VV025235.D
 Acq: 27 Mar 2022 06:05

Tgt Ion: 83 Resp: 7384
 Ion Ratio Lower Upper
 83 100
 85 68.2 44.7 82.9





#29

1,1,1-Trichloroethane

Concen: 0.055 ug/L

RT: 4.612 min Scan# 1111

Delta R.T. 0.003 min

Lab File: VV025235.D

Acq: 27 Mar 2022 06:05

Instrument :

MSVOA_V

ClientSampleId :

C0PB8

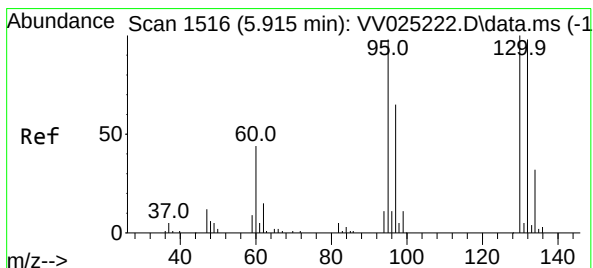
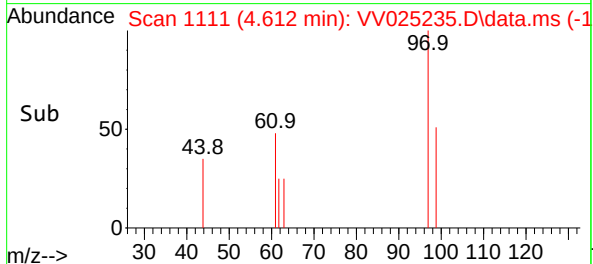
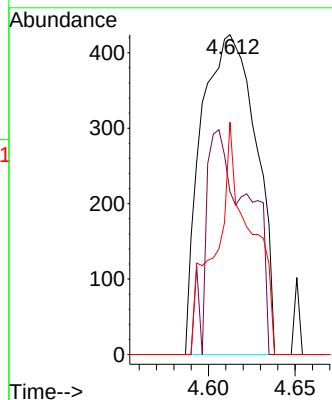
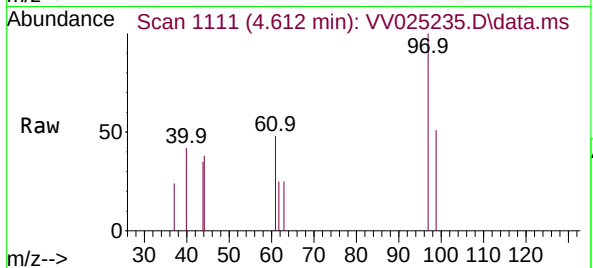
Tgt Ion: 97 Resp: 935

Ion Ratio Lower Upper

97 100

99 33.8 51.9 77.9#

61 46.6 34.2 51.2



#34

Trichloroethene

Concen: 1.723 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. 0.003 min

Lab File: VV025235.D

Acq: 27 Mar 2022 06:05

Tgt Ion: 95 Resp: 19479

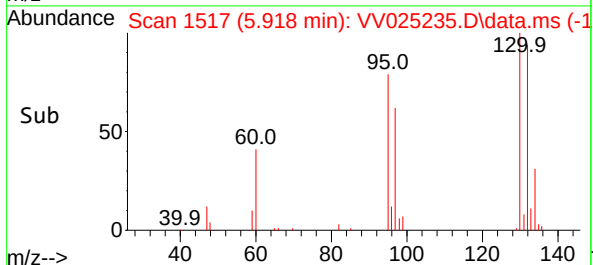
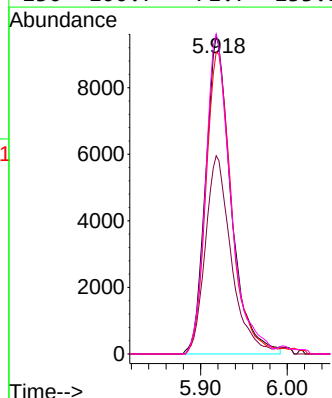
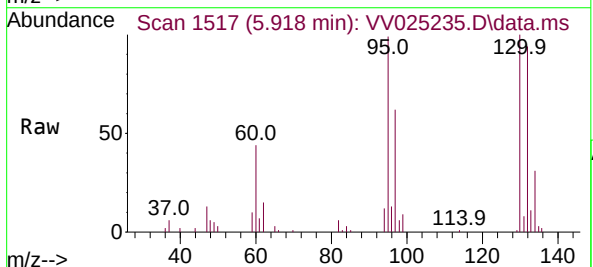
Ion Ratio Lower Upper

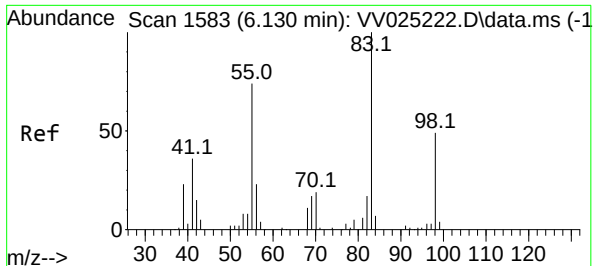
95 100

97 62.4 46.3 85.9

132 95.0 65.2 121.2

130 100.7 71.7 133.1





#35

Methylcyclohexane

Concen: 0.709 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.061 min

Lab File: VV025235.D

Acq: 27 Mar 2022 06:05

Instrument :

MSVOA_V

ClientSampleId :

C0PB8

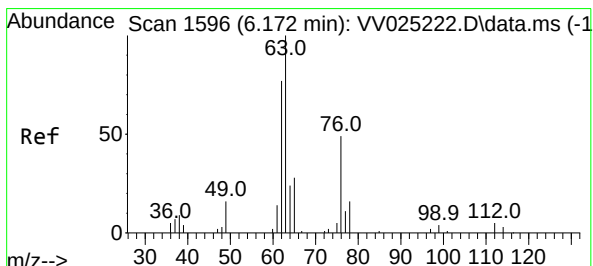
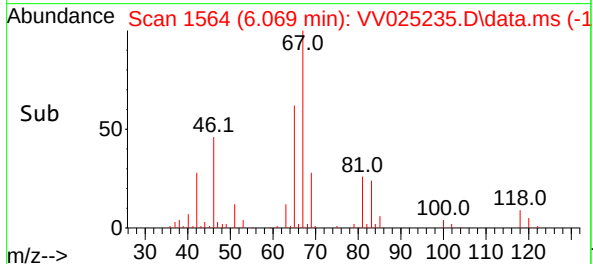
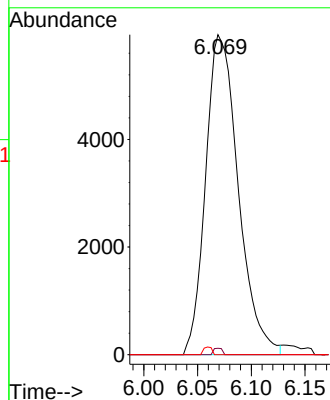
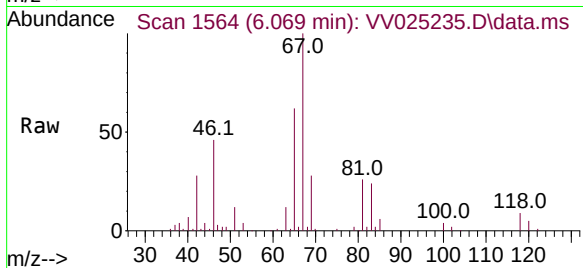
Tgt Ion: 83 Resp: 12567

Ion Ratio Lower Upper

83 100

55 0.5 54.6 81.8#

98 0.6 39.8 59.6#



#37

1,2-Dichloropropane

Concen: 0.647 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.103 min

Lab File: VV025235.D

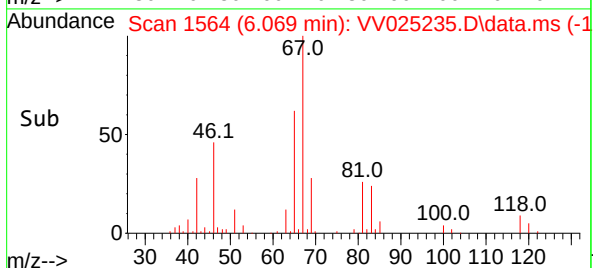
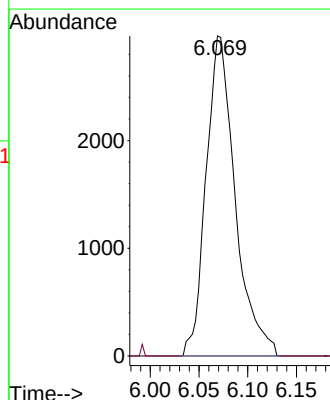
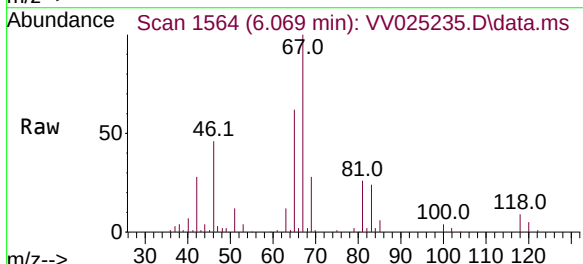
Acq: 27 Mar 2022 06:05

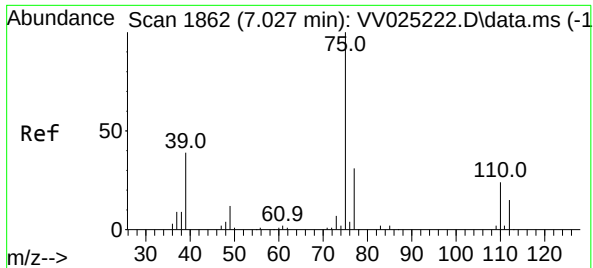
Tgt Ion: 63 Resp: 6177

Ion Ratio Lower Upper

63 100

112 0.3 4.2 6.2#





#39

cis-1,3-Dichloropropene

Concen: 0.104 ug/L

RT: 6.989 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV025235.D

Acq: 27 Mar 2022 06:05

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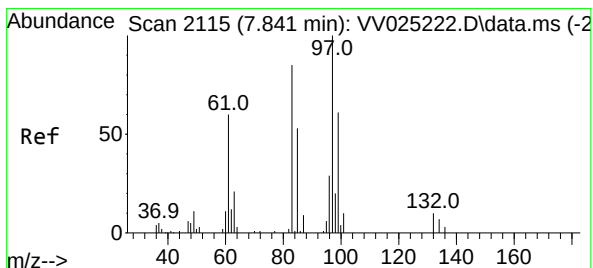
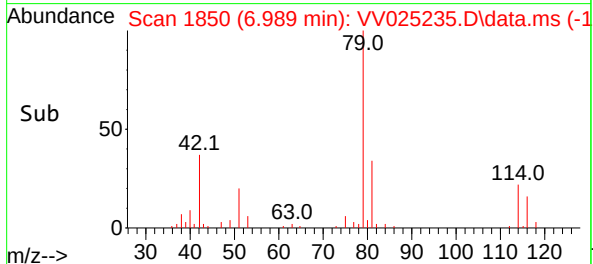
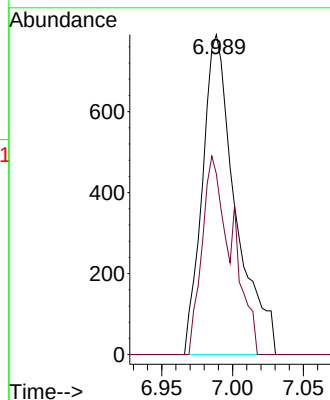
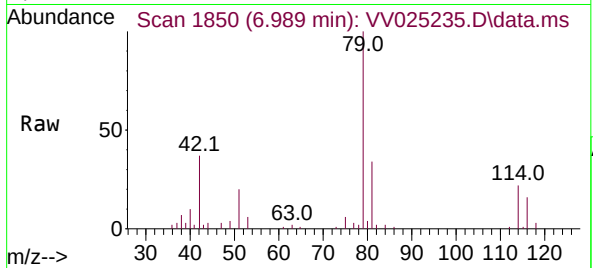
C0PB8

Tgt Ion: 75 Resp: 1285

Ion Ratio Lower Upper

75 100

77 56.5 22.1 41.1#



#45

1,1,2-Trichloroethane

Concen: 20.538 ug/L

RT: 7.985 min Scan# 2160

Delta R.T. 0.145 min

Lab File: VV025235.D

Acq: 27 Mar 2022 06:05

Tgt Ion: 97 Resp: 134329

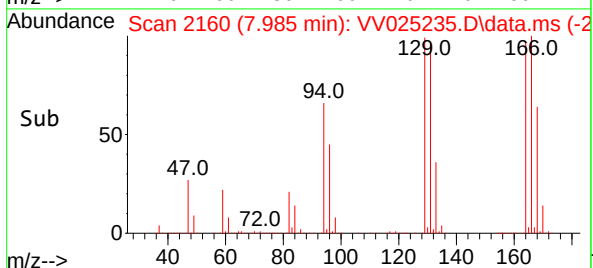
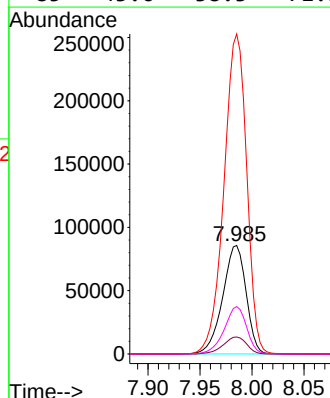
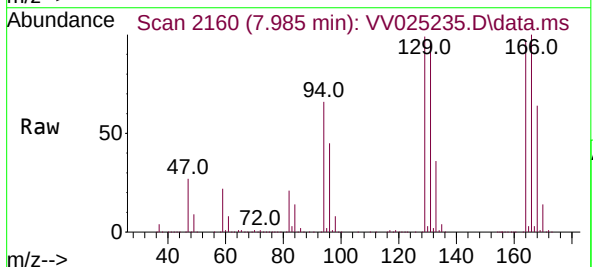
Ion Ratio Lower Upper

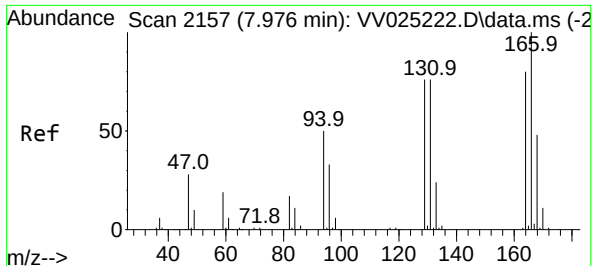
97 100

99 15.7 43.3 80.5#

83 294.8 58.0 107.6#

85 43.6 38.3 71.1





#47

Tetrachloroethene

Concen: 1593.424 ug/L

RT: 7.985 min Scan# 2160

Delta R.T. 0.010 min

Lab File: VV025235.D

Acq: 27 Mar 2022 06:05

Instrument :

MSVOA_V

ClientSampleId :

C0PB8

Tgt Ion:164 Resp:13286393

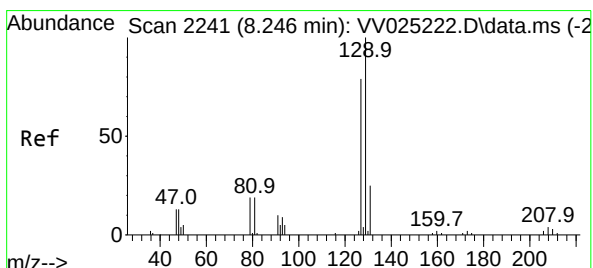
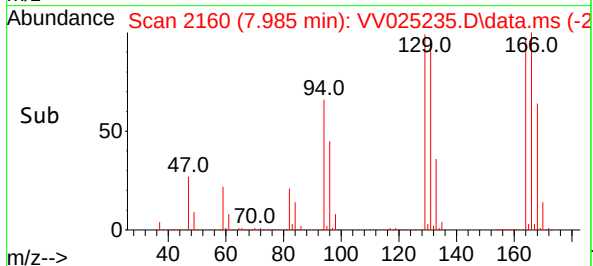
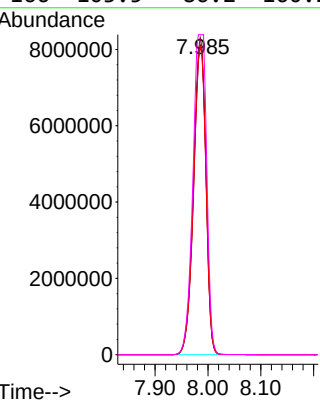
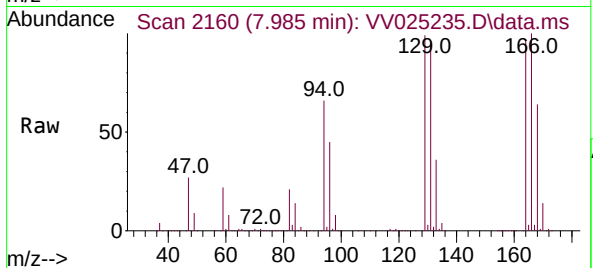
Ion Ratio Lower Upper

164 100

129 102.5 67.5 125.4

131 99.7 68.0 126.4

166 103.5 86.2 160.2



#49

Dibromochloromethane

Concen: 1900.327 ug/L

RT: 7.985 min Scan# 2160

Delta R.T. -0.260 min

Lab File: VV025235.D

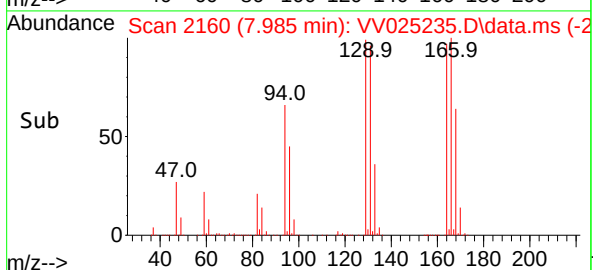
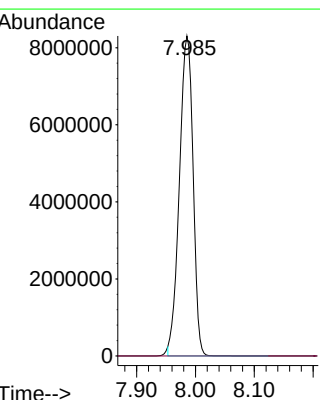
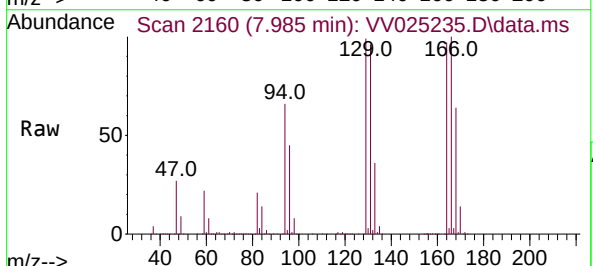
Acq: 27 Mar 2022 06:05

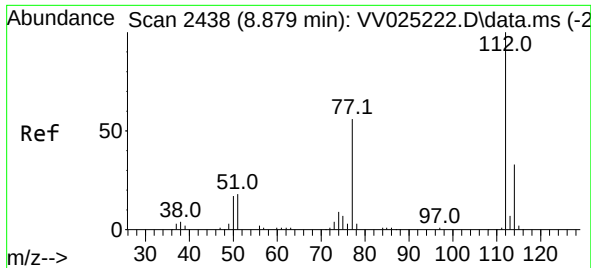
Tgt Ion:129 Resp:13375250

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#

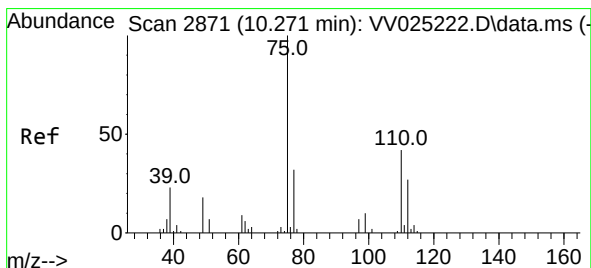
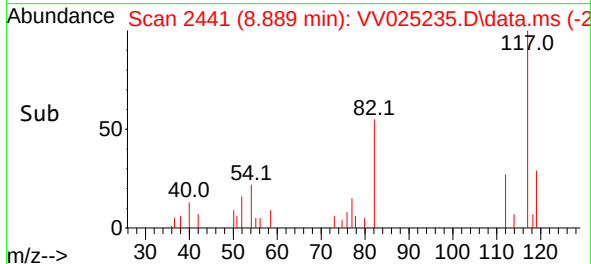
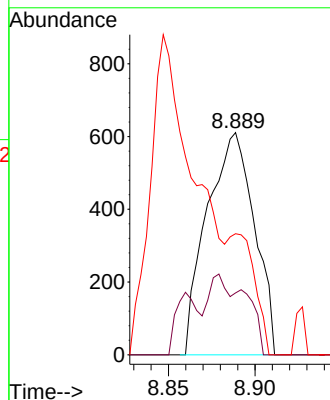
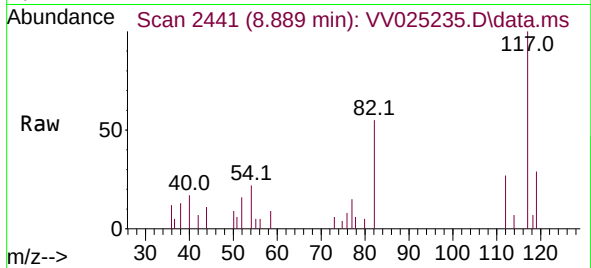




#51
Chlorobenzene
Concen: 0.041 ug/L
RT: 8.889 min Scan# 2438
Delta R.T. 0.010 min
Lab File: VV025235.D
Acq: 27 Mar 2022 06:05

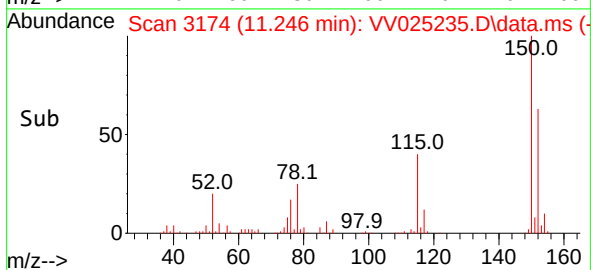
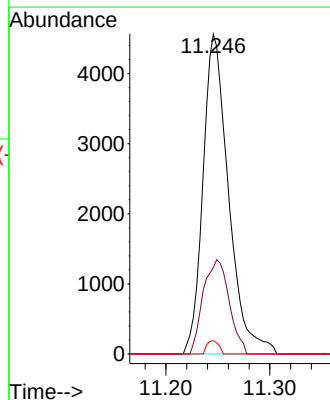
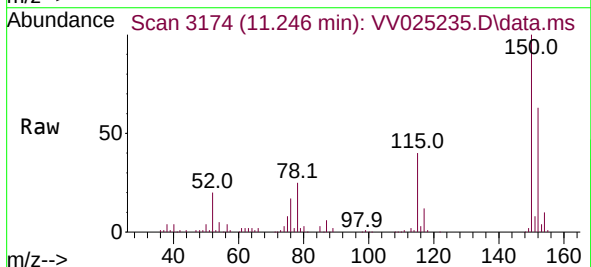
Instrument :
MSVOA_V
ClientSampleId :
C0PB8

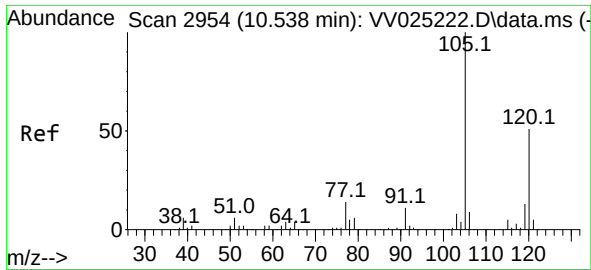
Tgt Ion:112 Resp: 1162
Ion Ratio Lower Upper
112 100
114 27.8 21.9 40.7
77 78.4 44.2 66.4#



#61
1,2,3-Trichloropropane
Concen: 1.770 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.974 min
Lab File: VV025235.D
Acq: 27 Mar 2022 06:05

Tgt Ion: 75 Resp: 7799
Ion Ratio Lower Upper
75 100
77 29.8 25.8 38.6
110 1.9 31.6 47.4#





#62
 1,3,5-Trimethylbenzene
 Concen: 0.031 ug/L
 RT: 10.914 min Scan# 30
 Delta R.T. 0.376 min
 Lab File: VV025235.D
 Acq: 27 Mar 2022 06:05

Instrument :
 MSVOA_V
 ClientSampleId :
 C0PB8

Tgt Ion:105 Resp: 529
 Ion Ratio Lower Upper
 105 100
 120 0.0 39.7 59.5#

