

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012822\
 Data File : VW024493.D
 Acq On : 28 Jan 2022 18:01
 Operator : SY/MD
 Sample : N1328-03 100X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COHM2

Quant Time: Jan 29 03:52:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jan 29 03:50:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	123189	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	135297	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	63441	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	42458	3.934	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.600%
7) Chloroethane-d5	1.568	69	42741	4.540	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.800%
11) 1,1-Dichloroethene-d2	2.117	63	357119	17.312	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	346.200%#
20) 2-Butanone-d5	3.911	46	73568	42.770	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.540%
24) Chloroform-d	4.352	84	101436	4.953	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
26) 1,2-Dichloroethane-d4	5.037	65	48006	5.176	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
32) Benzene-d6	5.053	84	179706	4.447	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
36) 1,2-Dichloropropane-d6	6.072	67	61947	4.868	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.400%
41) Toluene-d8	7.316	98	144708	3.903	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.000%
43) trans-1,3-Dichloroprop...	7.628	79	18219	4.170	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.400%
46) 2-Hexanone-d5	8.091	63	79675	53.330	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.660%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	38782	5.121	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	54430	5.003	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	49368	3.898	ug/L	98
6) Bromomethane	1.523	94	343	0.043	ug/L	74
8) Chloroethane	1.310	64	16431	2.207	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	2125	0.218	ug/L #	26
12) 1,1-Dichloroethene	2.117	96	552966	59.732	ug/L #	78
18) trans-1,2-Dichloroethene	2.770	96	305	0.034	ug/L #	84
19) 1,1-Dichloroethane	3.191	63	5922	0.358	ug/L	92
22) cis-1,2-Dichloroethene	3.911	96	194182	21.764	ug/L	93
25) Chloroform	4.384	83	5389	0.287	ug/L	91
27) 1,2-Dichloroethane	5.153	62	930	0.104	ug/L #	73
29) 1,1,1-Trichloroethane	4.609	97	139156	8.867	ug/L	100
31) Carbon tetrachloride	4.606	117	17004	1.204	ug/L	96
33) Benzene	5.053	78	1811	0.050	ug/L	100
34) Trichloroethene	5.911	95	1898987	185.520	ug/L	93
35) Methylcyclohexane	6.072	83	15515	1.028	ug/L #	18
37) 1,2-Dichloropropane	6.069	63	7117	0.800	ug/L #	87
38) Bromodichloromethane	6.519	83	791	0.066	ug/L #	64
44) trans-1,3-Dichloropropene	7.628	75	797	0.080	ug/L #	56
45) 1,1,2-Trichloroethane	7.841	97	894	0.149	ug/L #	67

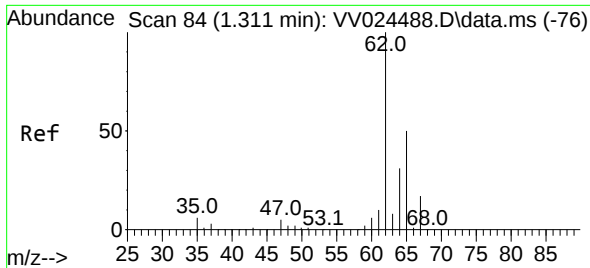
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV012822\
 Data File : VV024493.D
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	7.976	164	582756	72.272	ug/L	99
49) Dibromochloromethane	7.976	129	521412	69.647	ug/L #	11
61) 1,2,3-Trichloropropane	11.249	75	7133	1.814	ug/L #	62

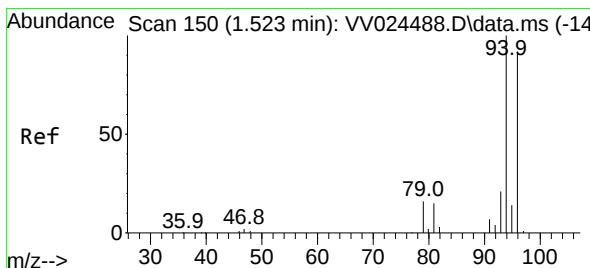
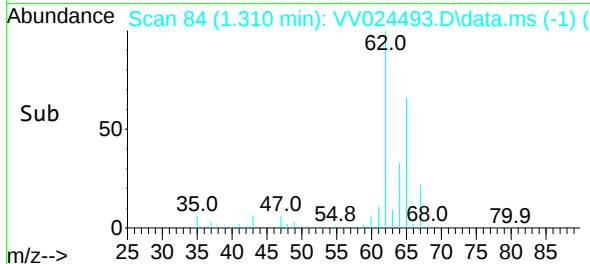
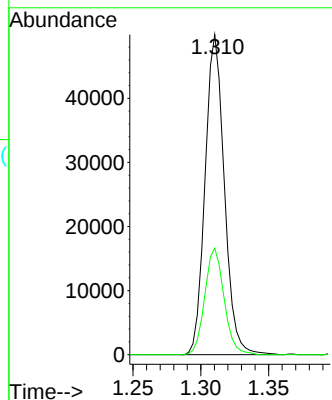
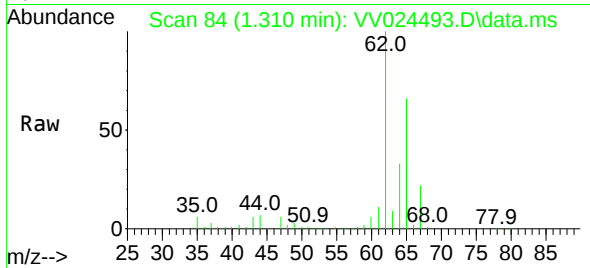
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 3.898 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV024493.D
 Acq: 28 Jan 2022 18:01

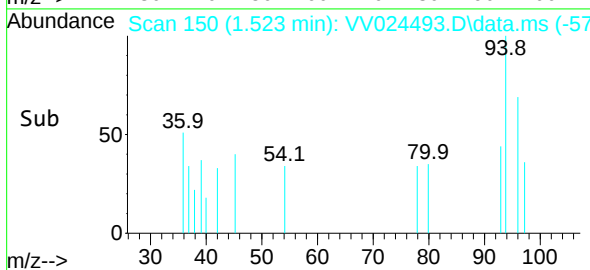
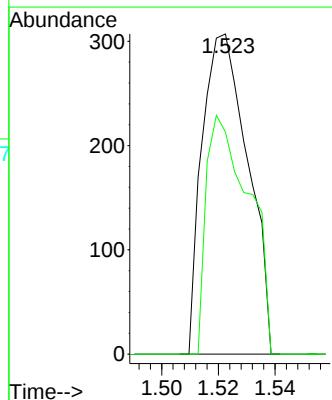
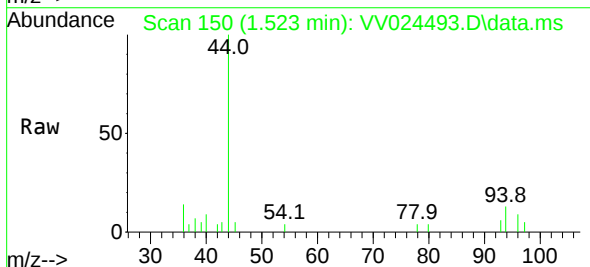
Instrument :
 MSVOA_V
 ClientSampleId :
 C0HM2

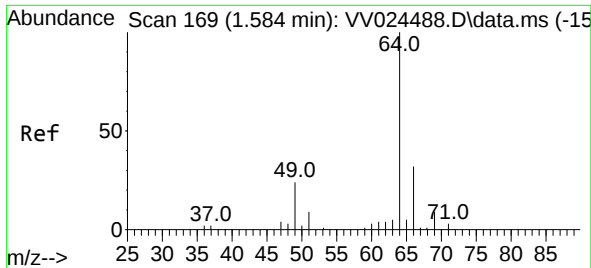
Tgt Ion: 62 Resp: 49368
 Ion Ratio Lower Upper
 62 100
 64 33.3 22.4 41.6



#6
 Bromomethane
 Concen: 0.043 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. -0.000 min
 Lab File: VV024493.D
 Acq: 28 Jan 2022 18:01

Tgt Ion: 94 Resp: 343
 Ion Ratio Lower Upper
 94 100
 96 69.4 66.2 123.0





#8

Chloroethane

Concen: 2.207 ug/L

RT: 1.310 min Scan# 84

Delta R.T. -0.274 min

Lab File: VV024493.D

Acq: 28 Jan 2022 18:01

Instrument :

MSVOA_V

ClientSampleId :

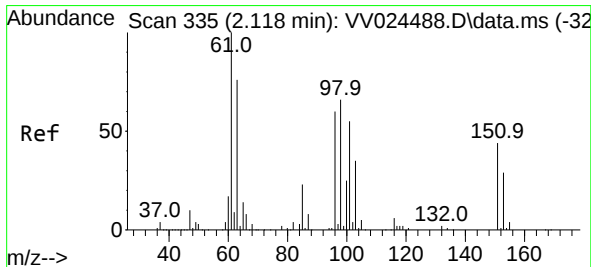
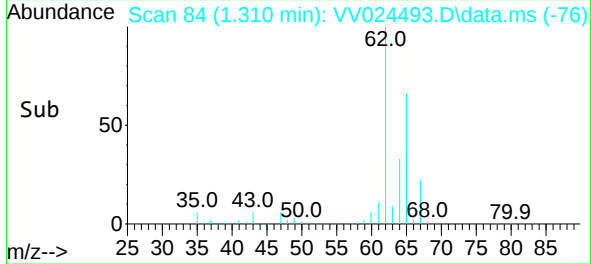
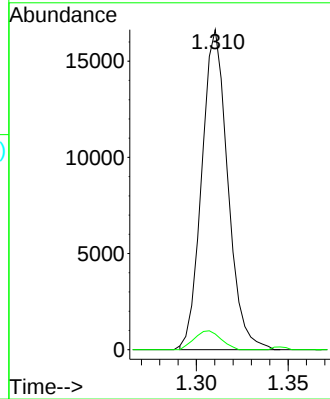
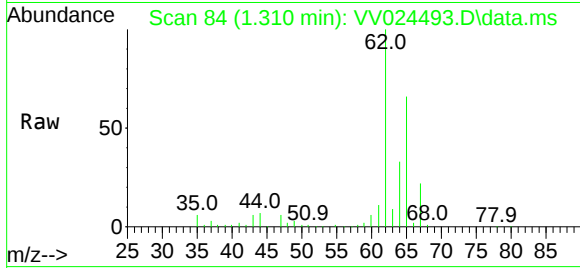
COHM2

Tgt Ion: 64 Resp: 16431

Ion Ratio Lower Upper

64 100

66 4.9 21.4 39.8#



#10

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

Concen: 0.218 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.007 min

Lab File: VV024493.D

Acq: 28 Jan 2022 18:01

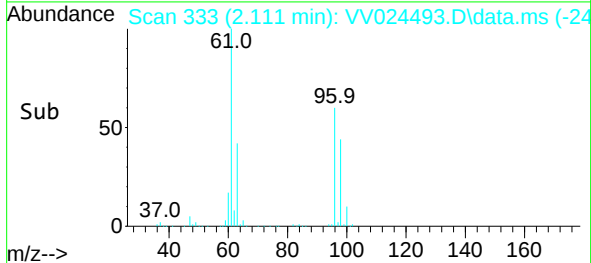
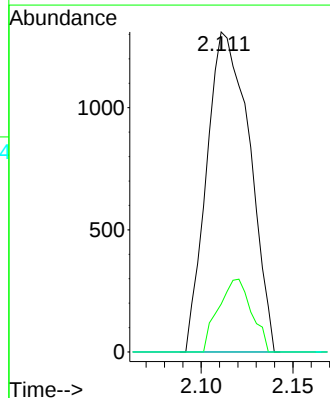
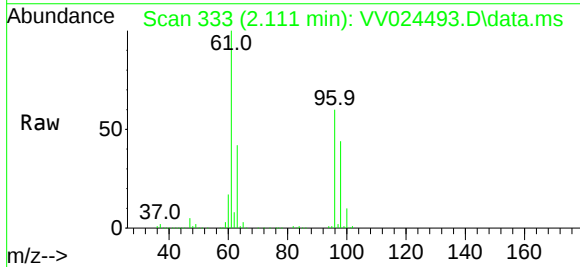
Tgt Ion:101 Resp: 2125

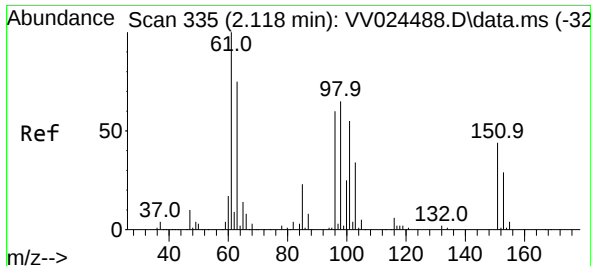
Ion Ratio Lower Upper

101 100

85 17.6 36.0 54.0#

151 0.0 66.4 99.6#

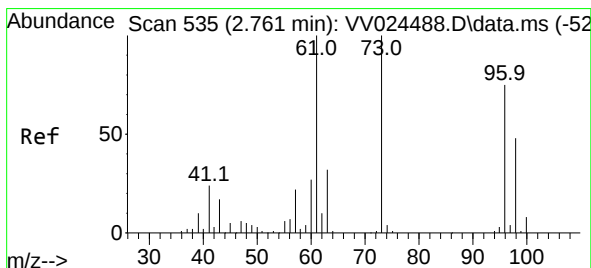
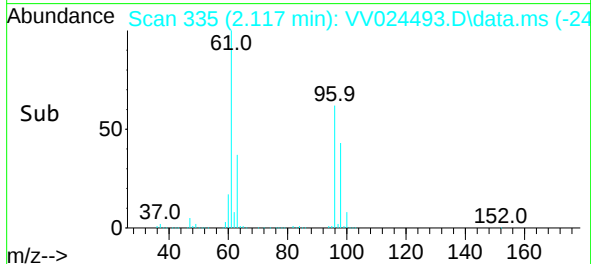
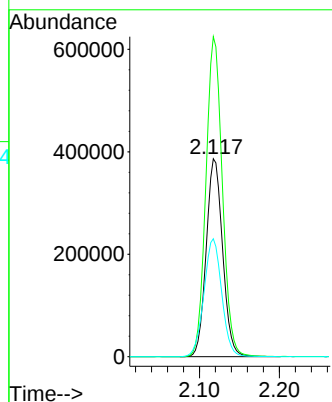
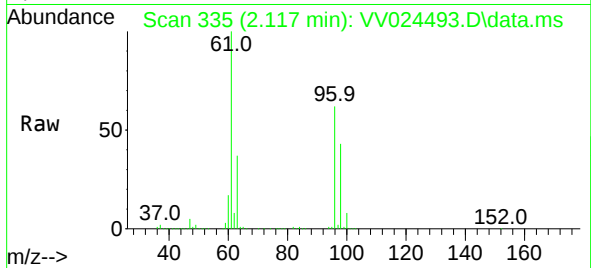




#12
 1,1-Dichloroethene
 Concen: 59.732 ug/L
 RT: 2.117 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VV024493.D
 Acq: 28 Jan 2022 18:01

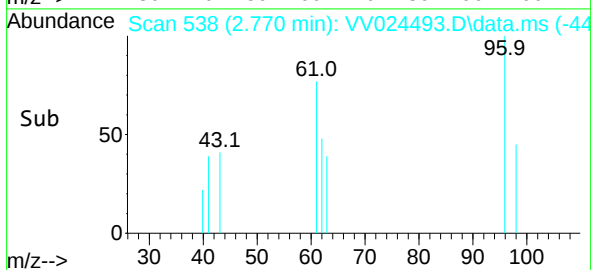
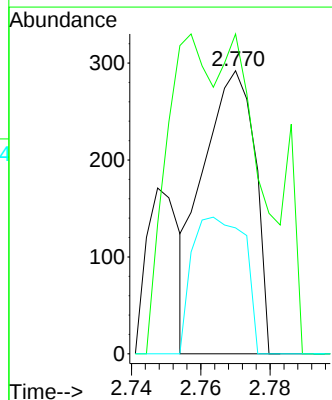
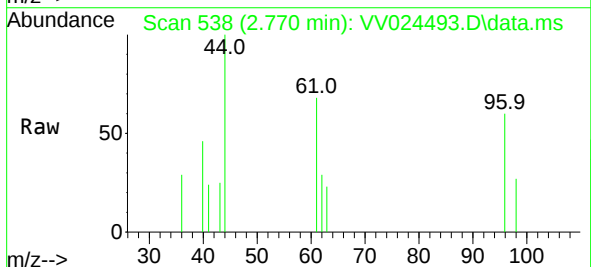
Instrument :
 MSVOA_V
 ClientSampleId :
 COHM2

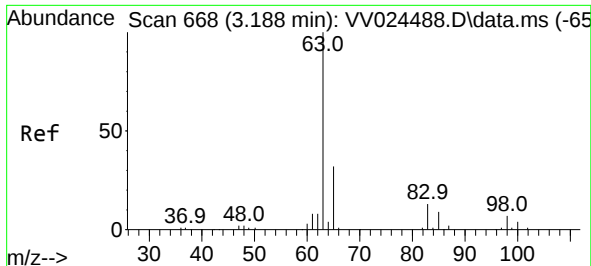
Tgt Ion: 96 Resp: 552966
 Ion Ratio Lower Upper
 96 100
 61 161.7 116.1 215.5
 63 59.6 79.4 147.4#



#18
 trans-1,2-Dichloroethene
 Concen: 0.034 ug/L
 RT: 2.770 min Scan# 538
 Delta R.T. 0.009 min
 Lab File: VV024493.D
 Acq: 28 Jan 2022 18:01

Tgt Ion: 96 Resp: 305
 Ion Ratio Lower Upper
 96 100
 61 113.0 88.2 163.8
 98 44.5 44.9 83.5#





#19

1,1-Dichloroethane

Concen: 0.358 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV024493.D

Acq: 28 Jan 2022 18:01

Instrument :

MSVOA_V

ClientSampleId :

COHM2

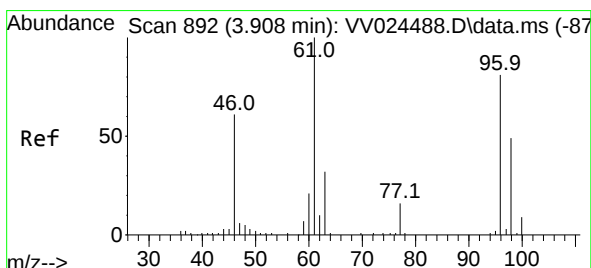
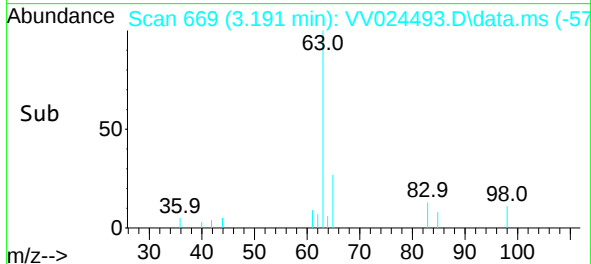
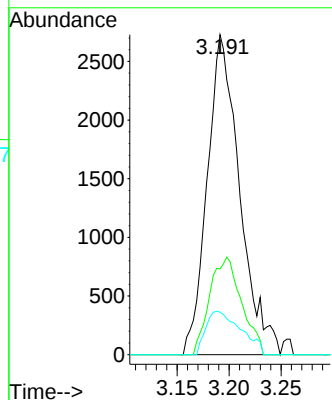
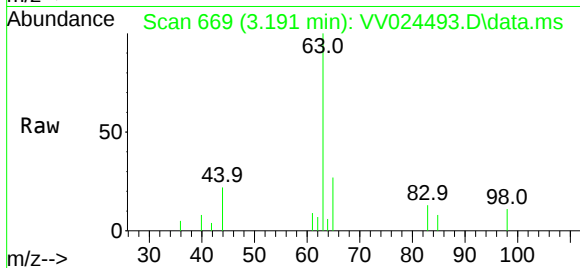
Tgt Ion: 63 Resp: 5922

Ion Ratio Lower Upper

63 100

65 26.8 22.3 41.3

83 13.3 10.7 19.9



#22

cis-1,2-Dichloroethene

Concen: 21.764 ug/L

RT: 3.911 min Scan# 893

Delta R.T. 0.003 min

Lab File: VV024493.D

Acq: 28 Jan 2022 18:01

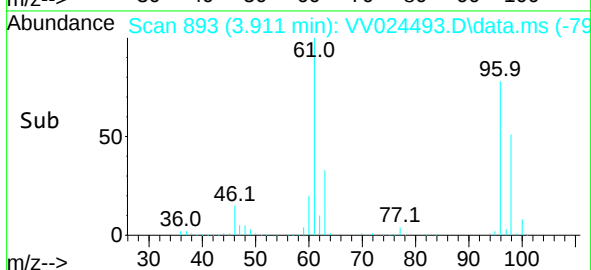
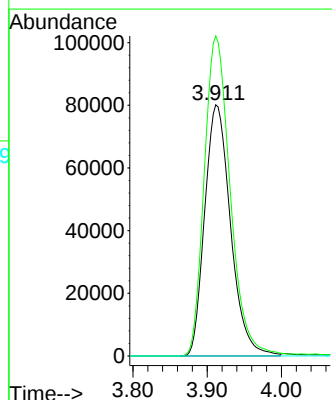
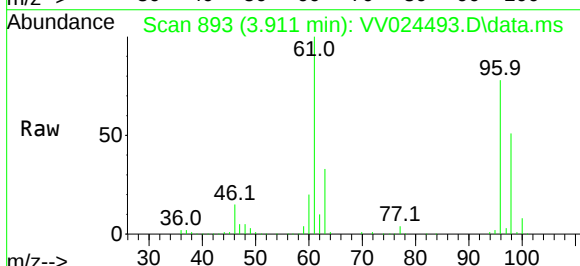
Tgt Ion: 96 Resp: 194182

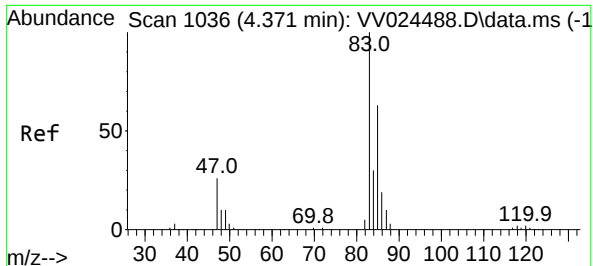
Ion Ratio Lower Upper

96 100

61 127.4 83.4 154.8

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.287 ug/L

RT: 4.384 min Scan# 1040

Delta R.T. 0.013 min

Lab File: VV024493.D

Acq: 28 Jan 2022 18:01

Instrument :

MSVOA_V

ClientSampleId :

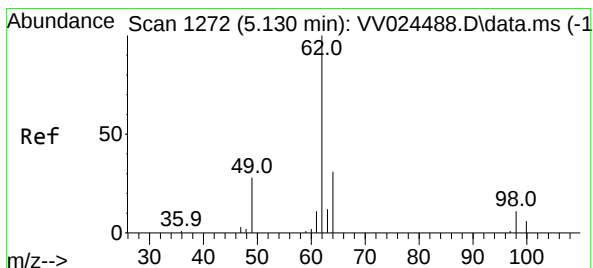
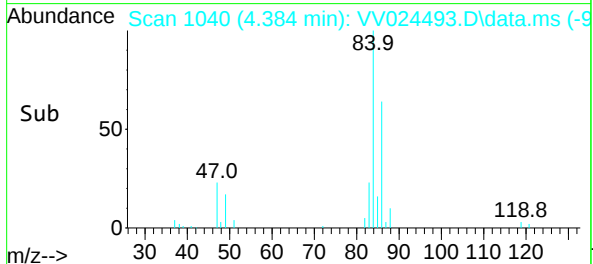
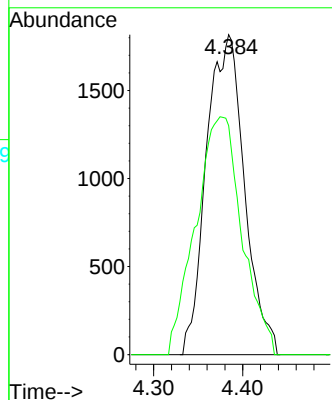
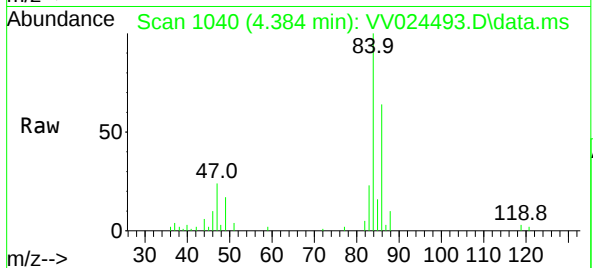
C0HM2

Tgt Ion: 83 Resp: 5389

Ion Ratio Lower Upper

83 100

85 71.5 45.2 84.0



#27

1,2-Dichloroethane

Concen: 0.104 ug/L

RT: 5.153 min Scan# 1279

Delta R.T. 0.022 min

Lab File: VV024493.D

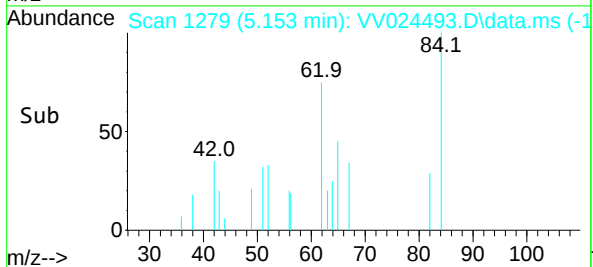
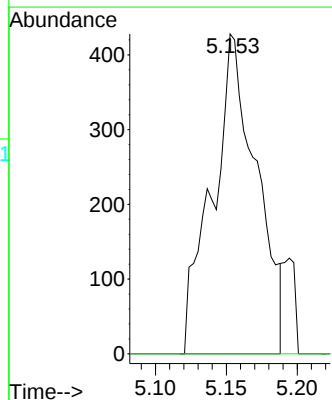
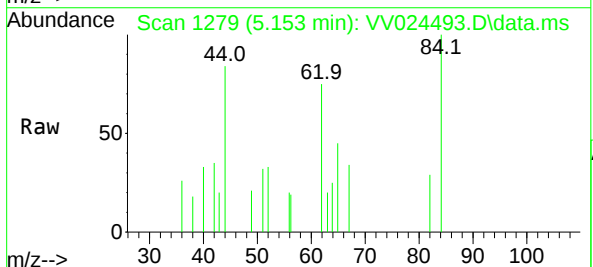
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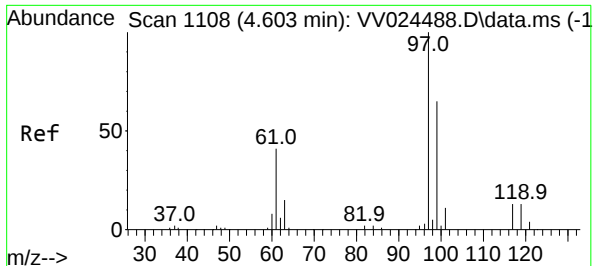
Tgt Ion: 62 Resp: 930

Ion Ratio Lower Upper

62 100

98 0.0 8.1 12.1#





#29

1,1,1-Trichloroethane

Concen: 8.867 ug/L

RT: 4.609 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VV024493.D

Acq: 28 Jan 2022 18:01

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MSVOA_V

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COHM2

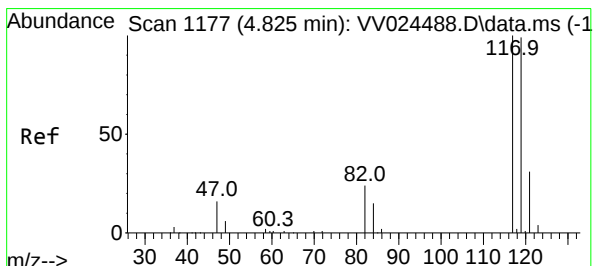
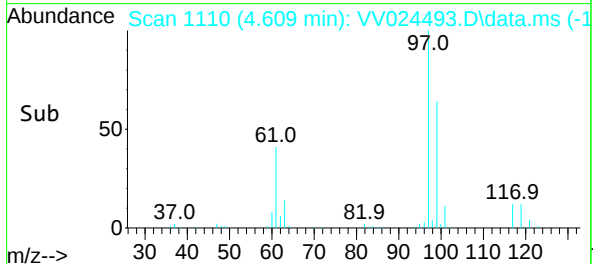
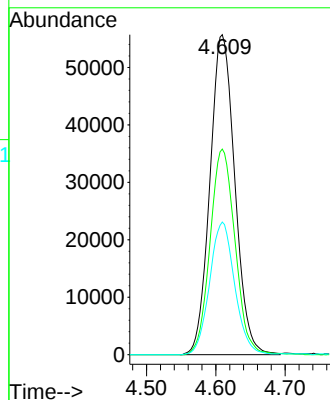
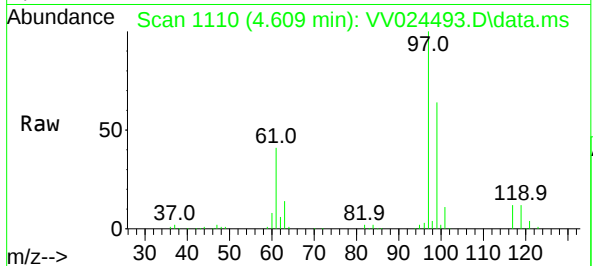
Tgt Ion: 97 Resp: 139156

Ion Ratio Lower Upper

97 100

99 64.5 51.9 77.9

61 41.7 33.2 49.8



#31

Carbon tetrachloride

Concen: 1.204 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. -0.219 min

Lab File: VV024493.D

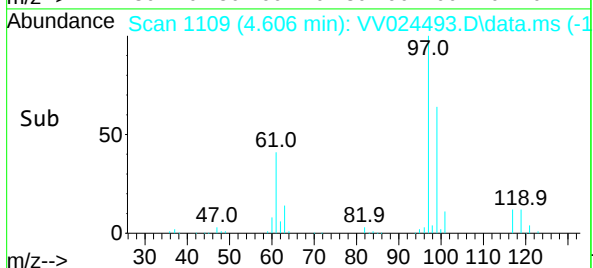
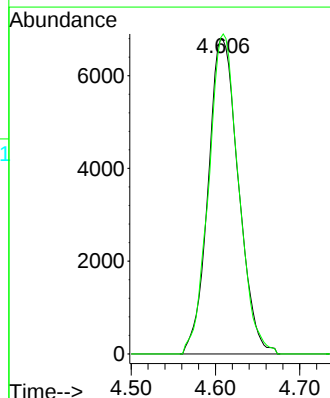
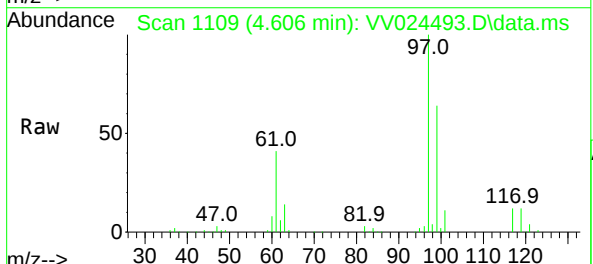
Acq: 28 Jan 2022 18:01

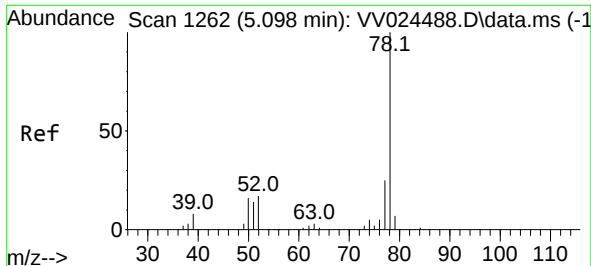
Tgt Ion: 117 Resp: 17004

Ion Ratio Lower Upper

117 100

119 99.8 76.6 114.8

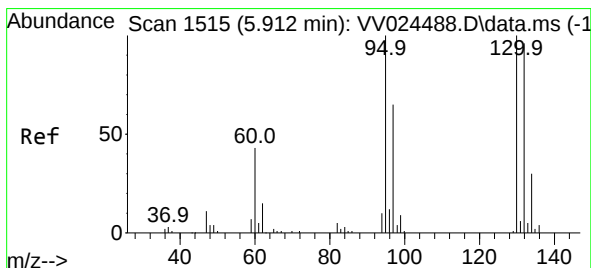
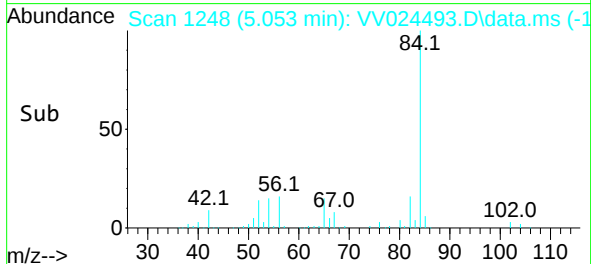
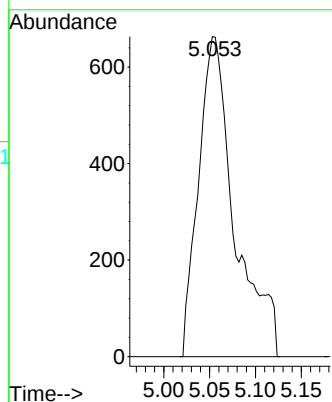
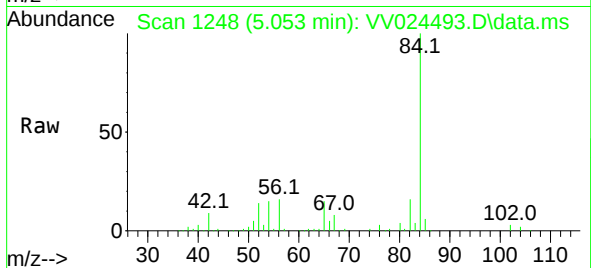




#33
Benzene
Concen: 0.050 ug/L
RT: 5.053 min Scan# 11
Delta R.T. -0.045 min
Lab File: VV024493.D
Acq: 28 Jan 2022 18:01

Instrument :
MSVOA_V
ClientSampleId :
COHM2

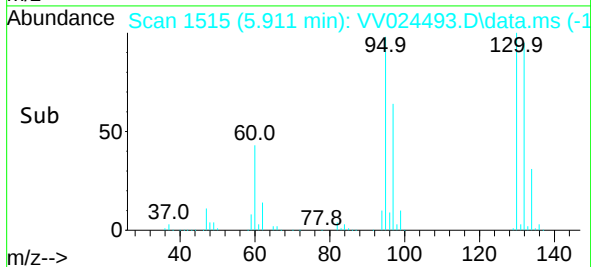
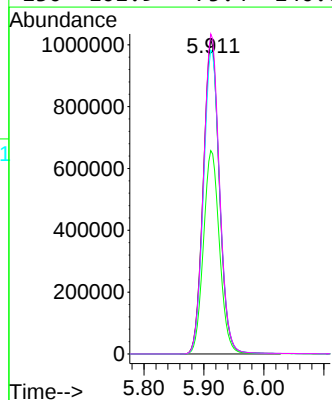
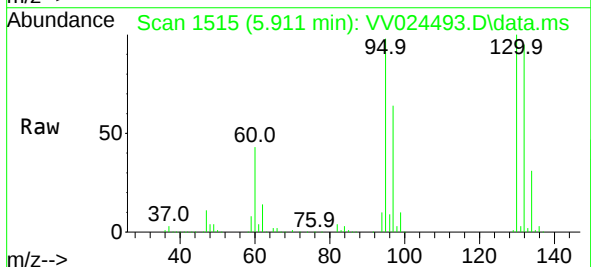
Tgt Ion: 78 Resp: 1811

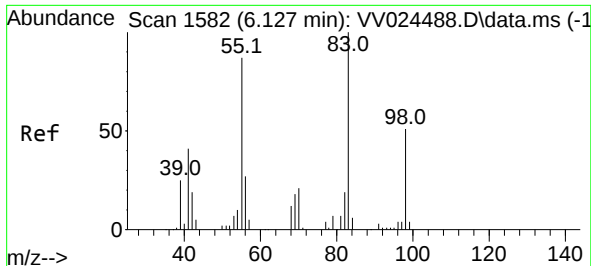


#34
Trichloroethene
Concen: 185.520 ug/L
RT: 5.911 min Scan# 1515
Delta R.T. -0.000 min
Lab File: VV024493.D
Acq: 28 Jan 2022 18:01

Tgt Ion: 95 Resp: 1898987

Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.2	84.0
132	96.7	76.1	141.3
130	101.9	75.4	140.0





#35

Methylcyclohexane

Concen: 1.028 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.055 min

Lab File: VV024493.D

Acq: 28 Jan 2022 18:01

Instrument :

MSVOA_V

ClientSampleId :

COHM2

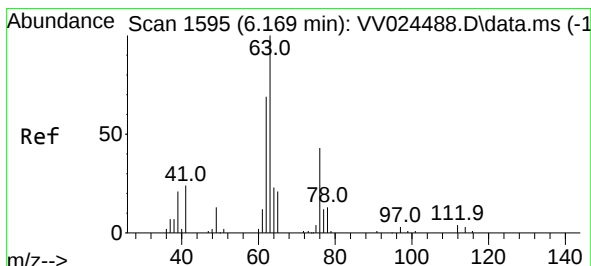
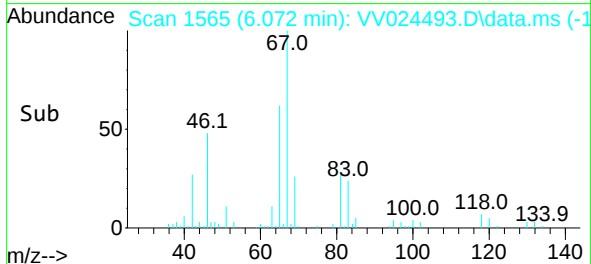
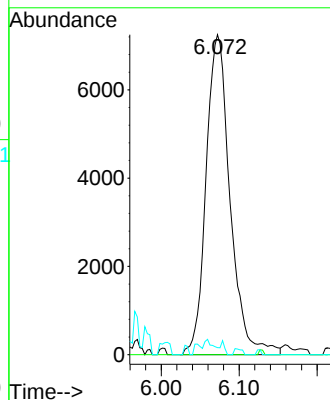
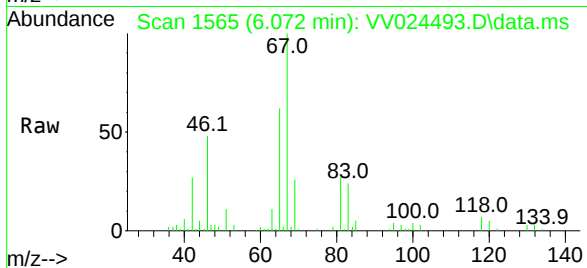
Tgt Ion: 83 Resp: 15515

Ion Ratio Lower Upper

83 100

55 0.3 60.2 90.2#

98 0.0 41.0 61.4#



#37

1,2-Dichloropropane

Concen: 0.800 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.100 min

Lab File: VV024493.D

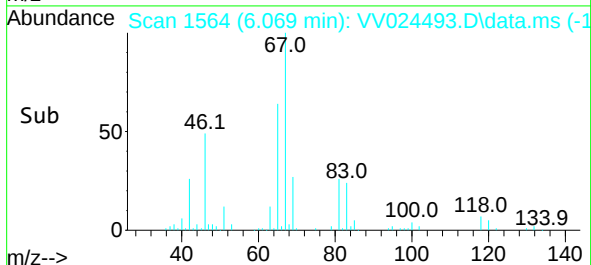
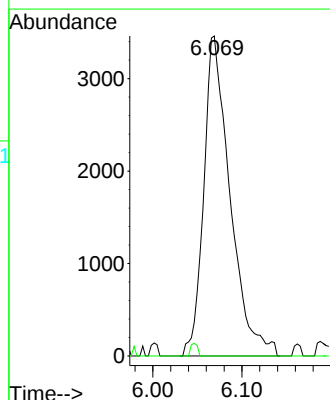
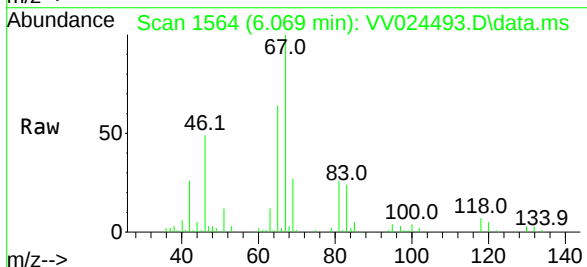
Acq: 28 Jan 2022 18:01

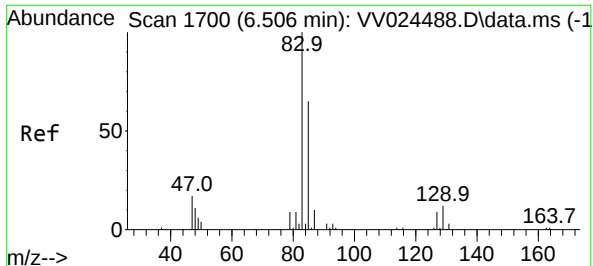
Tgt Ion: 63 Resp: 7117

Ion Ratio Lower Upper

63 100

112 1.0 4.3 6.5#

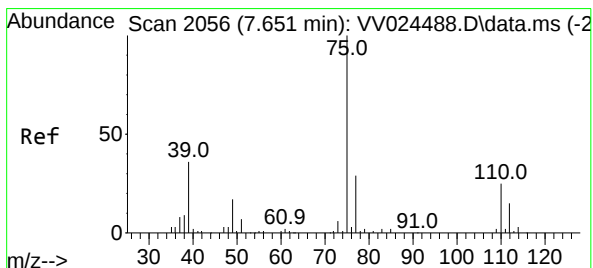
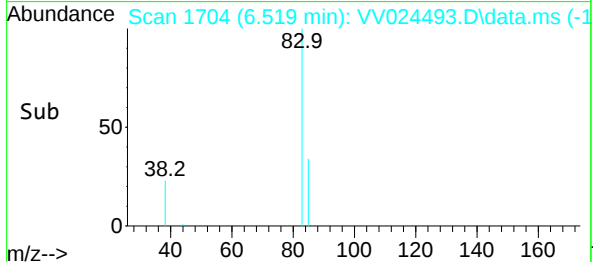
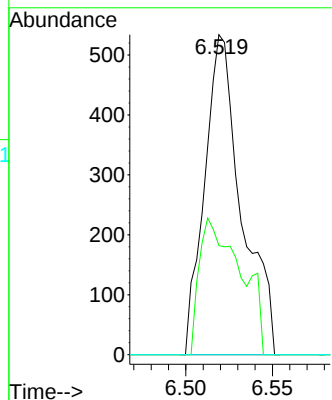
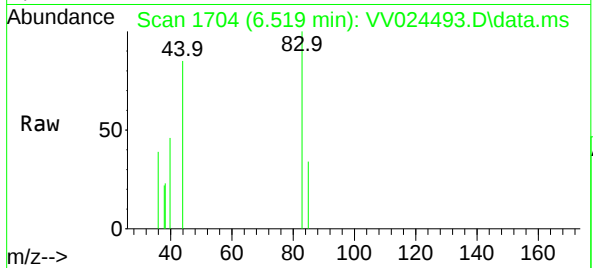




#38
Bromodichloromethane
Concen: 0.066 ug/L
RT: 6.519 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV024493.D
Acq: 28 Jan 2022 18:01

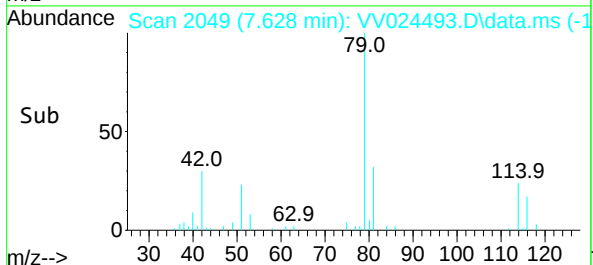
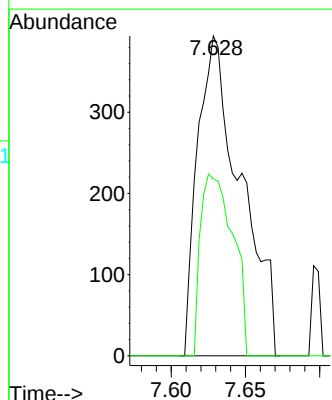
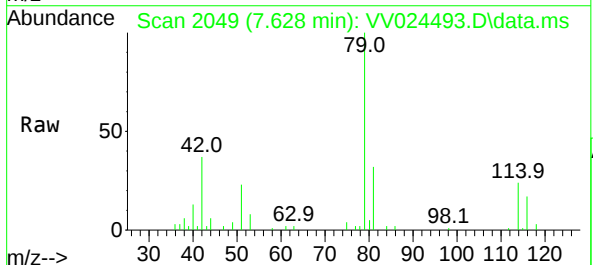
Instrument :
MSVOA_V
ClientSampleId :
COHM2

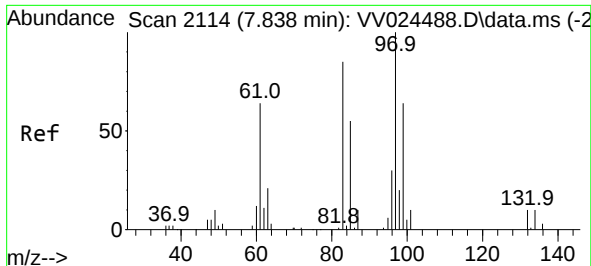
Tgt Ion: 83 Resp: 791
Ion Ratio Lower Upper
83 100
85 34.1 44.0 81.8#
127 0.0 8.6 12.8#



#44
trans-1,3-Dichloropropene
Concen: 0.080 ug/L
RT: 7.628 min Scan# 2049
Delta R.T. -0.023 min
Lab File: VV024493.D
Acq: 28 Jan 2022 18:01

Tgt Ion: 75 Resp: 797
Ion Ratio Lower Upper
75 100
77 55.3 21.8 40.4#





#45

1,1,2-Trichloroethane

Concen: 0.149 ug/L

RT: 7.841 min Scan# 2115

Delta R.T. 0.003 min

Lab File: VV024493.D

Acq: 28 Jan 2022 18:01

Instrument :

MSVOA_V

ClientSampleId :

COHM2

Tgt Ion: 97 Resp: 894

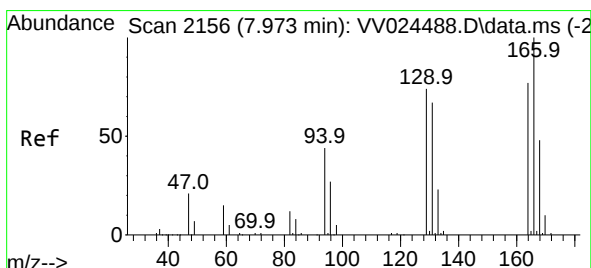
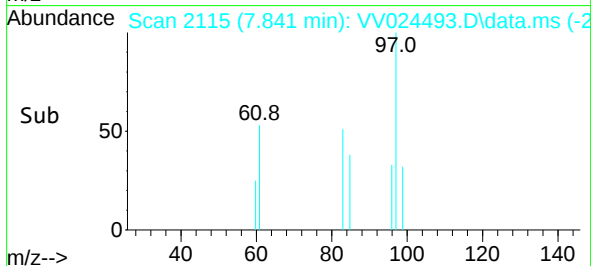
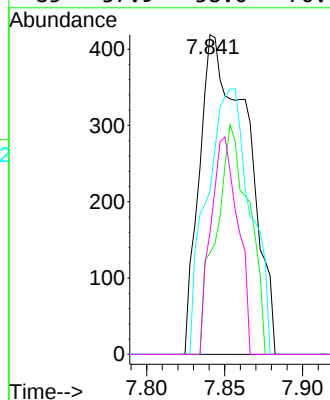
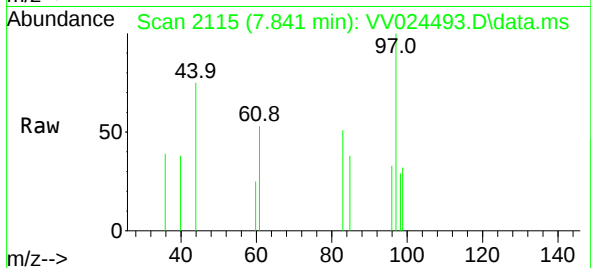
Ion Ratio Lower Upper

97 100

99 31.7 43.1 80.1#

83 51.1 57.9 107.5#

85 37.9 38.0 70.6#



#47

Tetrachloroethene

Concen: 72.272 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV024493.D

Acq: 28 Jan 2022 18:01

Tgt Ion:164 Resp: 582756

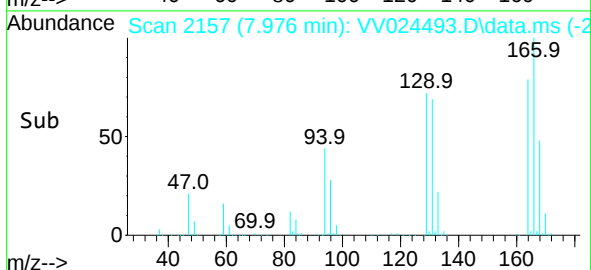
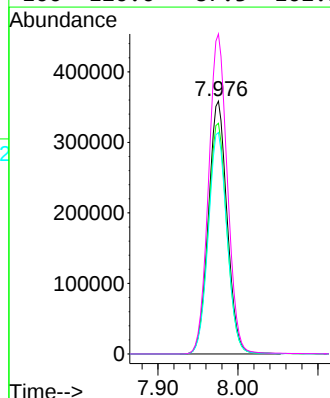
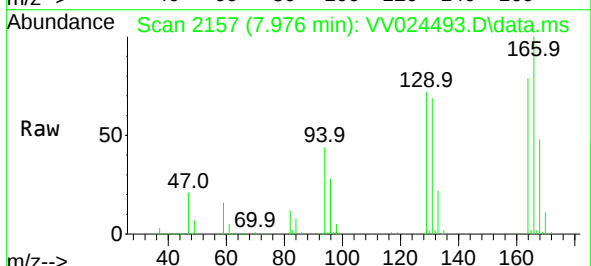
Ion Ratio Lower Upper

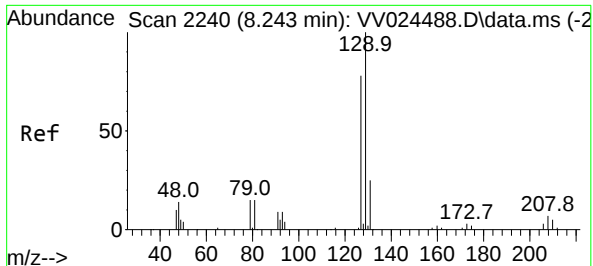
164 100

129 91.3 62.6 116.2

131 87.6 61.0 113.4

166 126.6 87.3 162.1





#49

Dibromochloromethane

Concen: 69.647 ug/L

RT: 7.976 min Scan# 21

Delta R.T. -0.267 min

Lab File: VV024493.D

Acq: 28 Jan 2022 18:01

Instrument :

MSVOA_V

ClientSampleId :

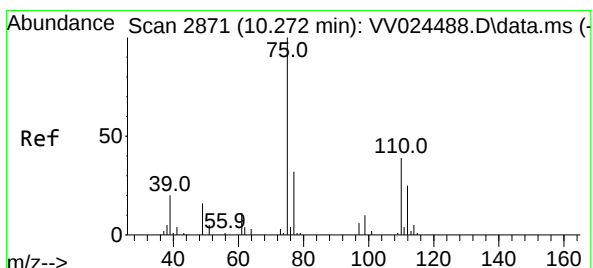
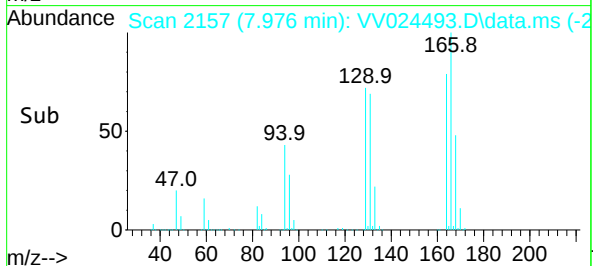
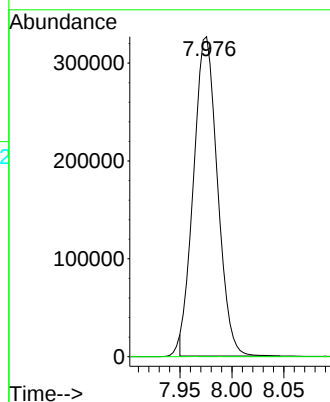
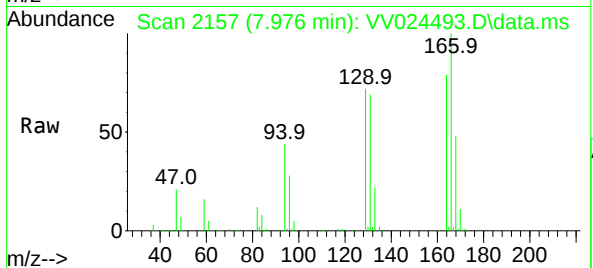
COHM2

Tgt Ion:129 Resp: 521412

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#61

1,2,3-Trichloropropane

Concen: 1.814 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV024493.D

Acq: 28 Jan 2022 18:01

Tgt Ion: 75 Resp: 7133

Ion Ratio Lower Upper

75 100

77 31.3 26.4 39.6

110 1.6 34.2 51.2#

