

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012822\
 Data File : VW024492.D
 Acq On : 28 Jan 2022 17:38
 Operator : SY/MD
 Sample : N1328-02 100X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0HM1DL

Quant Time: Jan 29 03:51:55 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	125572	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	136122	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	64728	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	40586	3.689	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.800%
7) Chloroethane-d5	1.568	69	41051	4.278	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.600%
11) 1,1-Dichloroethene-d2	2.108	63	79483	3.780	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.600%
20) 2-Butanone-d5	3.915	46	52332	29.847	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	59.700%
24) Chloroform-d	4.349	84	100199	4.800	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
26) 1,2-Dichloroethane-d4	5.034	65	47104	4.982	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
32) Benzene-d6	5.050	84	173931	4.278	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.600%
36) 1,2-Dichloropropane-d6	6.072	67	60460	4.723	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.317	98	137193	3.678	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.600%
43) trans-1,3-Dichloroprop...	7.625	79	17023	3.872	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.400%
46) 2-Hexanone-d5	8.092	63	71882	47.822	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.640%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	37907	4.975	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	53608	4.830	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	478	0.037	ug/L #	39
5) Vinyl chloride	1.310	62	653	0.051	ug/L #	39
6) Bromomethane	1.523	94	386	0.048	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	901	0.091	ug/L #	17
12) 1,1-Dichloroethene	2.118	96	26811	2.841	ug/L #	64
18) trans-1,2-Dichloroethene	2.764	96	315	0.035	ug/L	87
19) 1,1-Dichloroethane	3.191	63	2286	0.135	ug/L	98
22) cis-1,2-Dichloroethene	3.915	96	37626	4.137	ug/L	94
25) Chloroform	4.378	83	4331	0.226	ug/L	87
27) 1,2-Dichloroethane	5.050	62	1077	0.118	ug/L #	73
29) 1,1,1-Trichloroethane	4.613	97	19077	1.208	ug/L	98
31) Carbon tetrachloride	4.609	117	2483	0.175	ug/L	90
34) Trichloroethene	5.915	95	74459	7.230	ug/L	95
35) Methylcyclohexane	6.072	83	14347	0.945	ug/L #	19
37) 1,2-Dichloropropane	6.072	63	6644	0.742	ug/L #	84
38) Bromodichloromethane	6.519	83	542	0.045	ug/L #	95
44) trans-1,3-Dichloropropene	7.629	75	903	0.090	ug/L #	44
45) 1,1,2-Trichloroethane	7.973	97	1774	0.293	ug/L #	3
47) Tetrachloroethene	7.976	164	228074	28.114	ug/L	97

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jan 29 03:50:16 2022
Response via : Initial Calibration

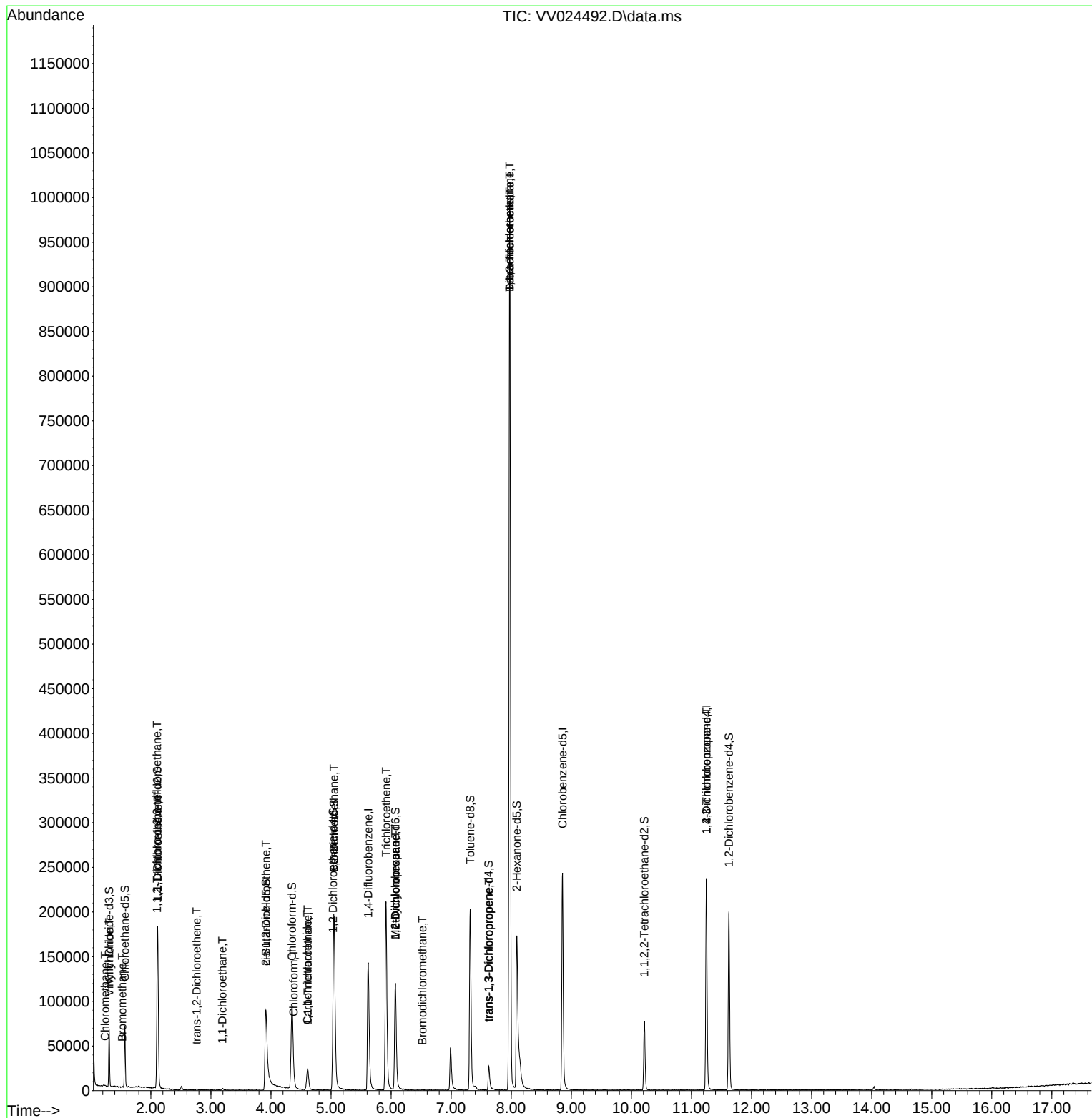
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	7.976	129	205141	27.235	ug/L #	11
61) 1,2,3-Trichloropropane	11.249	75	6855	1.709	ug/L #	62

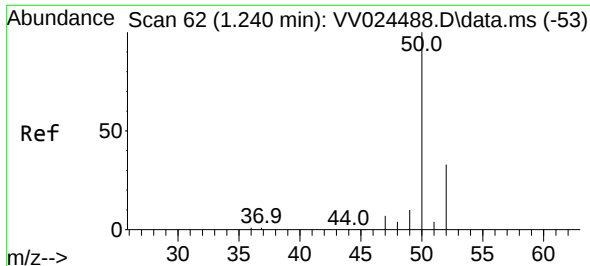
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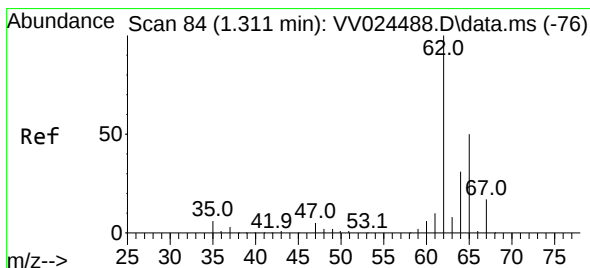
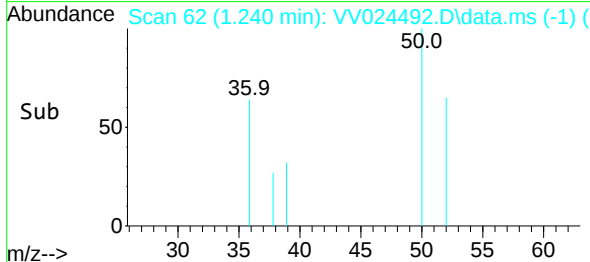
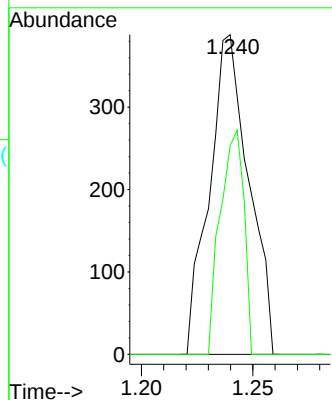
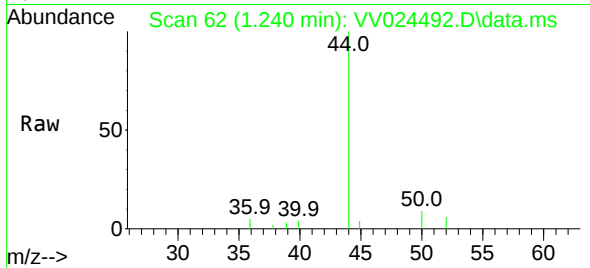




#3
Chloromethane
Concen: 0.037 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV024492.D
Acq: 28 Jan 2022 17:38

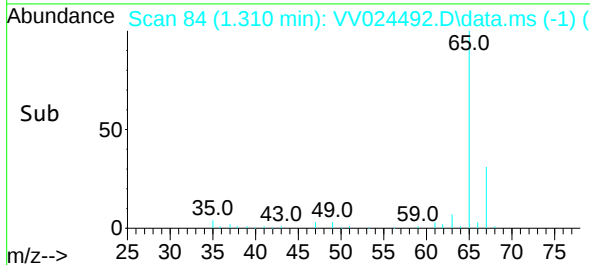
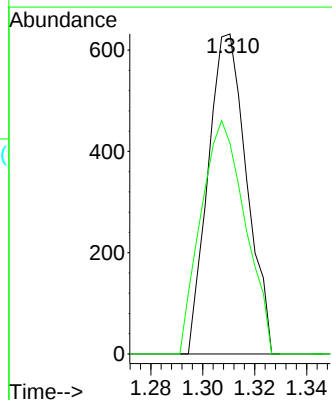
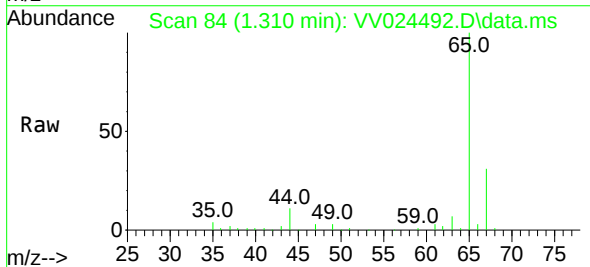
Instrument :
MSVOA_V
ClientSampleId :
C0HM1DL

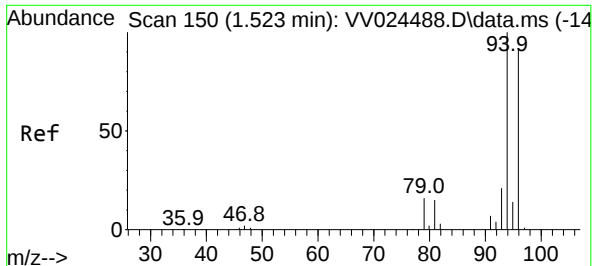
Tgt Ion: 50 Resp: 478
Ion Ratio Lower Upper
50 100
52 65.2 22.0 41.0#



#5
Vinyl chloride
Concen: 0.051 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.000 min
Lab File: VV024492.D
Acq: 28 Jan 2022 17:38

Tgt Ion: 62 Resp: 653
Ion Ratio Lower Upper
62 100
64 65.8 22.4 41.6#

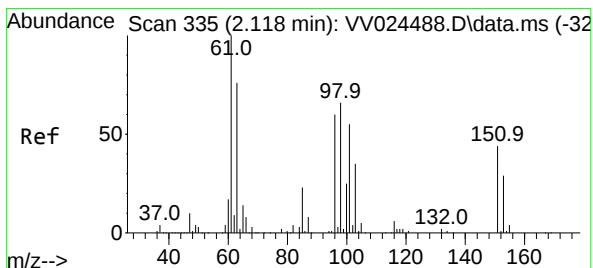
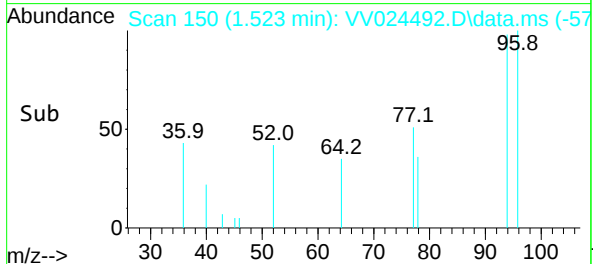
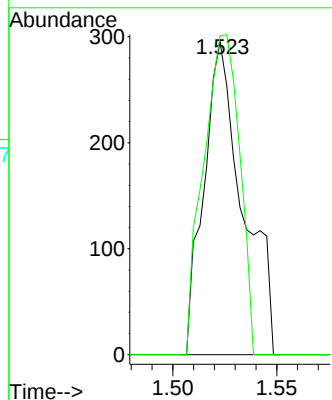
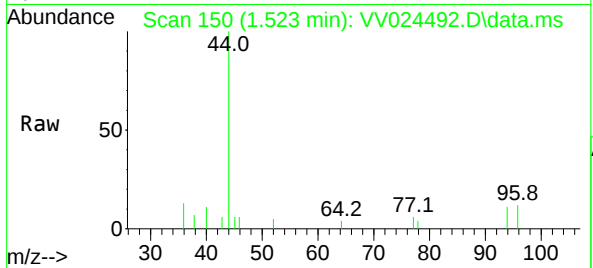




#6
Bromomethane
Concen: 0.048 ug/L
RT: 1.523 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV024492.D
Acq: 28 Jan 2022 17:38

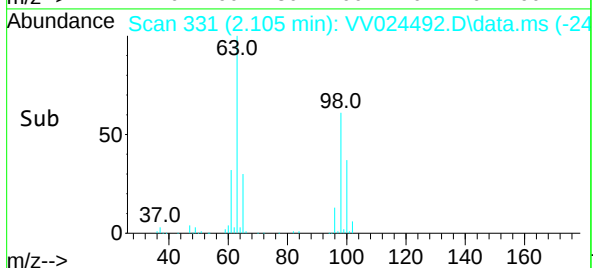
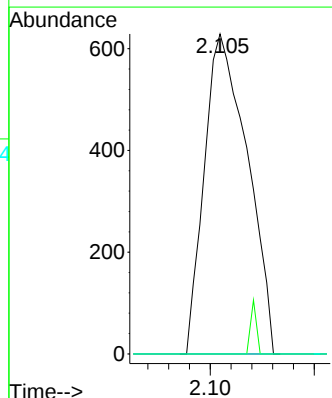
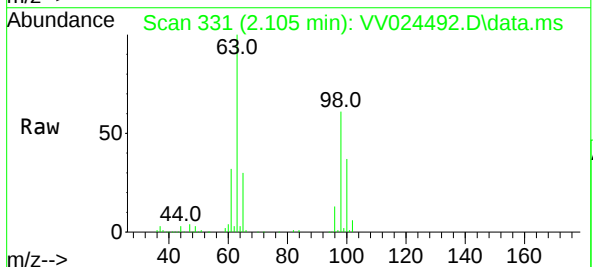
Instrument :
MSVOA_V
ClientSampleId :
C0HM1DL

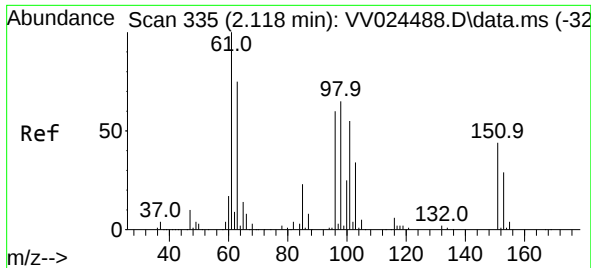
Tgt Ion: 94 Resp: 386
Ion Ratio Lower Upper
94 100
96 102.0 66.2 123.0



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.091 ug/L
RT: 2.105 min Scan# 331
Delta R.T. -0.013 min
Lab File: VV024492.D
Acq: 28 Jan 2022 17:38

Tgt Ion: 101 Resp: 901
Ion Ratio Lower Upper
101 100
85 2.2 36.0 54.0#
151 0.0 66.4 99.6#

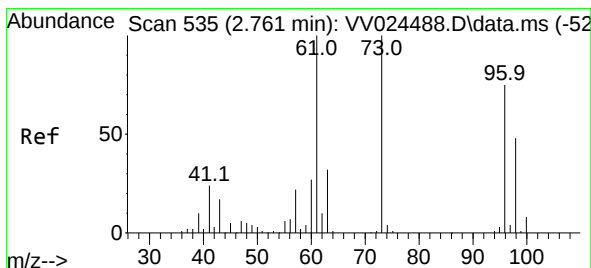
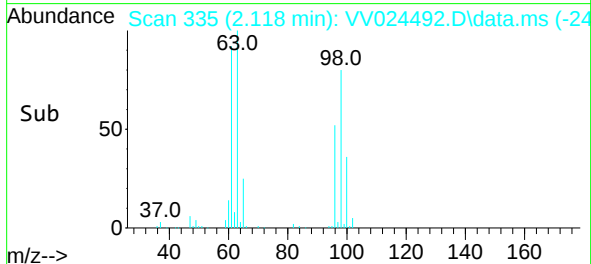
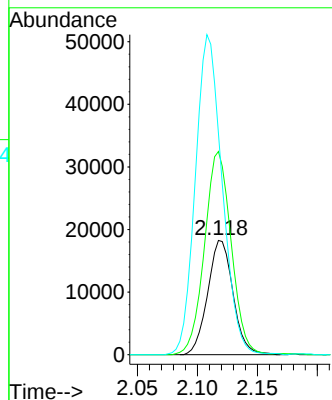
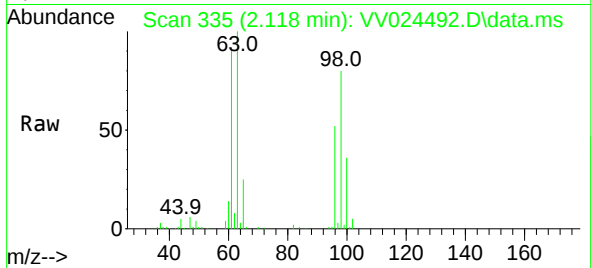




#12
1,1-Dichloroethene
Concen: 2.841 ug/L
RT: 2.118 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV024492.D
Acq: 28 Jan 2022 17:38

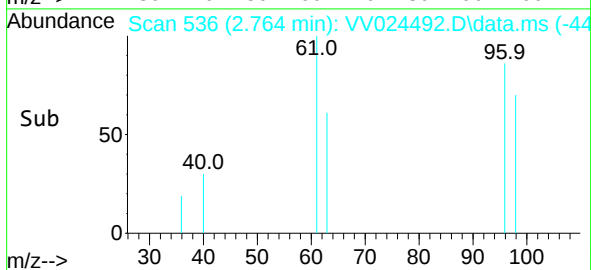
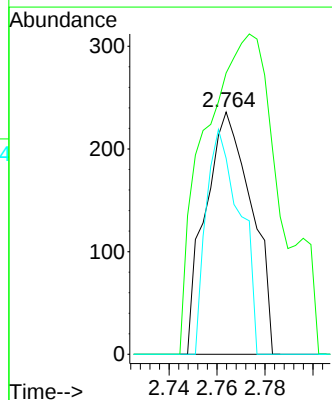
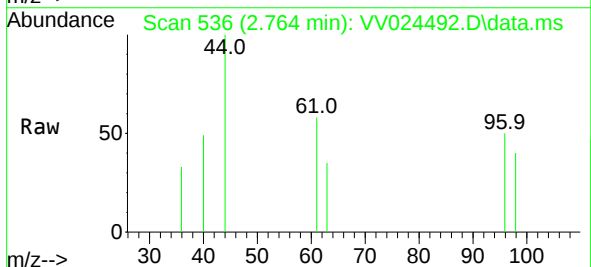
Instrument :
MSVOA_V
ClientSampleId :
C0HM1DL

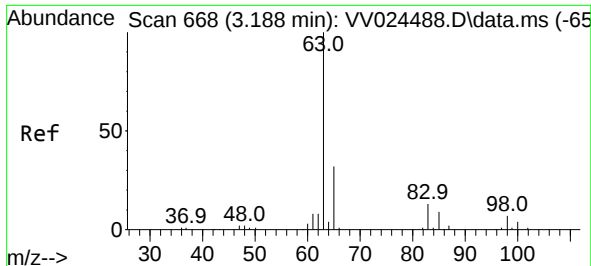
Tgt Ion: 96 Resp: 26811
Ion Ratio Lower Upper
96 100
61 177.8 116.1 215.5
63 193.6 79.4 147.4#



#18
trans-1,2-Dichloroethene
Concen: 0.035 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV024492.D
Acq: 28 Jan 2022 17:38

Tgt Ion: 96 Resp: 315
Ion Ratio Lower Upper
96 100
61 116.1 88.2 163.8
98 80.9 44.9 83.5





#19

1,1-Dichloroethane

Concen: 0.135 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV024492.D

Acq: 28 Jan 2022 17:38

Instrument :

MSVOA_V

ClientSampleId :

C0HM1DL

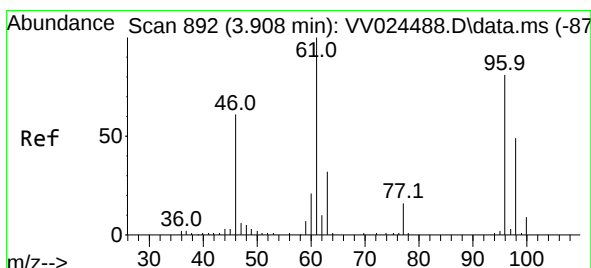
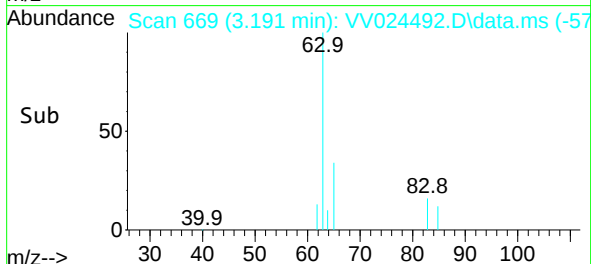
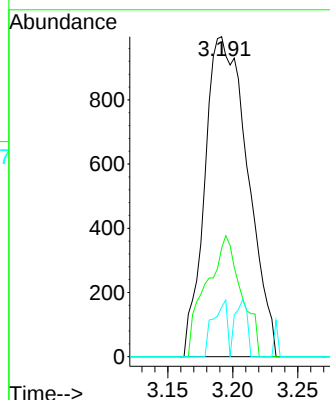
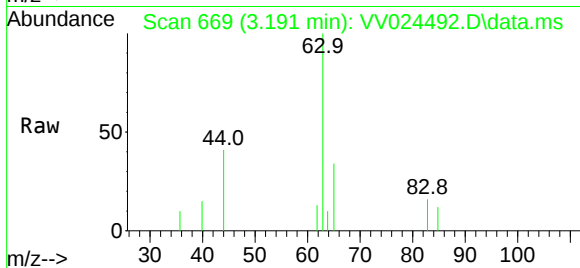
Tgt Ion: 63 Resp: 2286

Ion Ratio Lower Upper

63 100

65 30.7 22.3 41.3

83 14.1 10.7 19.9



#22

cis-1,2-Dichloroethene

Concen: 4.137 ug/L

RT: 3.915 min Scan# 894

Delta R.T. 0.006 min

Lab File: VV024492.D

Acq: 28 Jan 2022 17:38

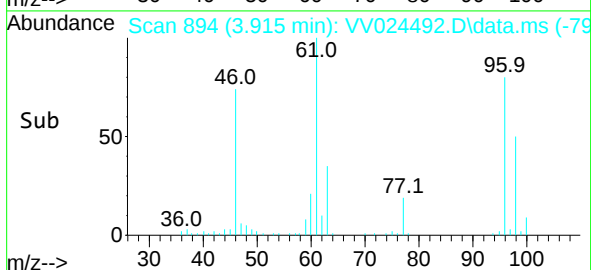
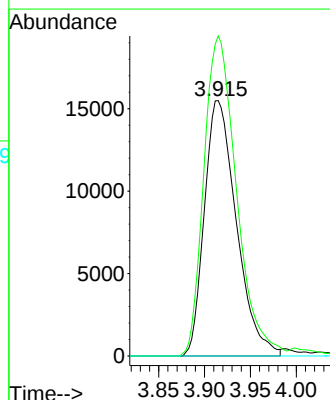
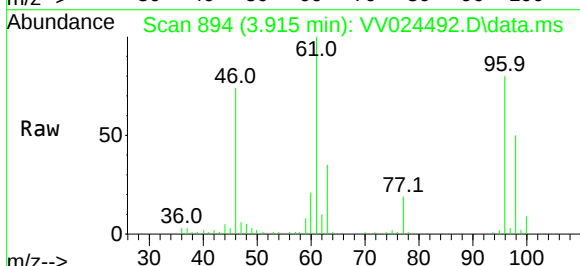
Tgt Ion: 96 Resp: 37626

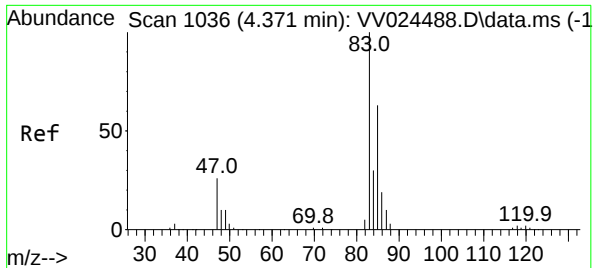
Ion Ratio Lower Upper

96 100

61 125.3 83.4 154.8

68 0.0 0.0 0.0

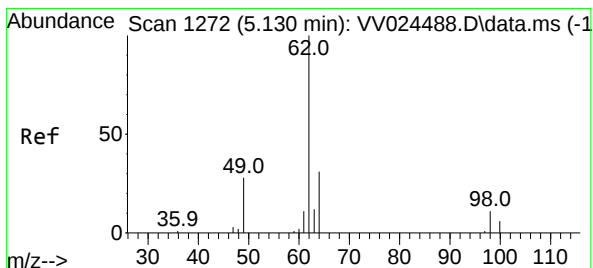
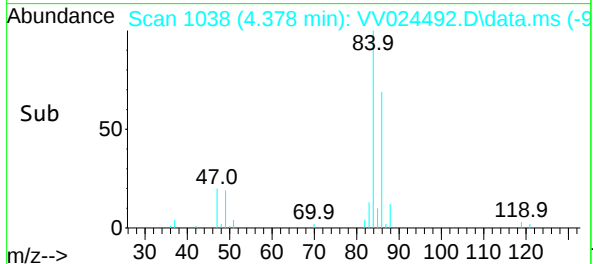
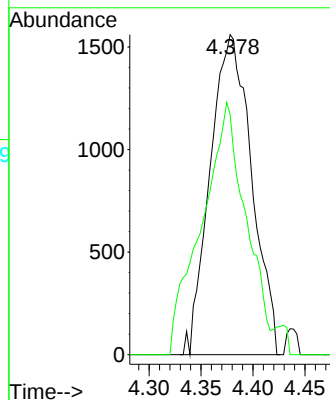
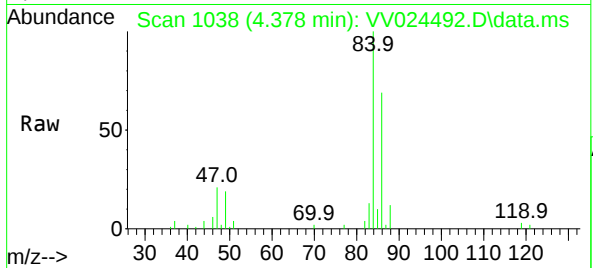




#25
Chloroform
Concen: 0.226 ug/L
RT: 4.378 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VV024492.D
Acq: 28 Jan 2022 17:38

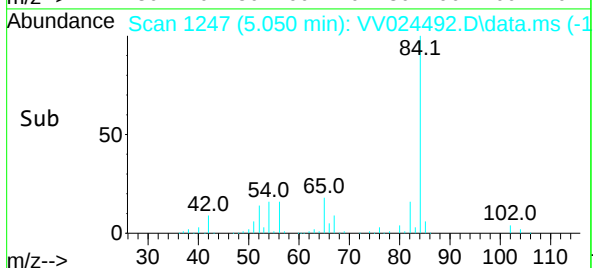
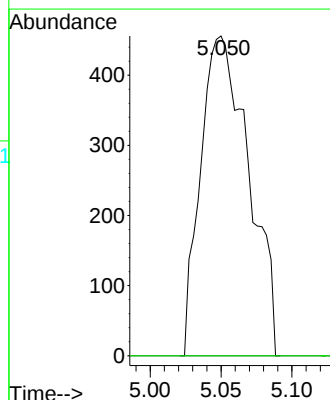
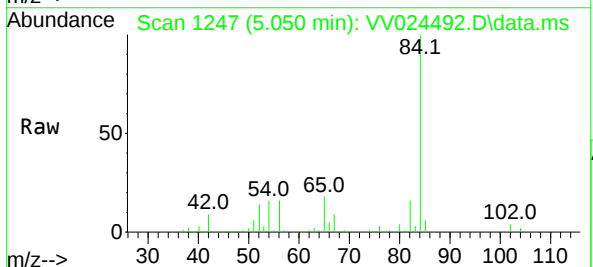
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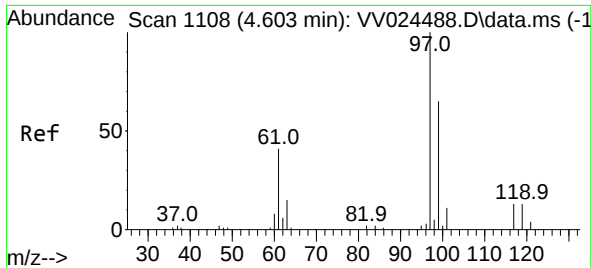
Tgt Ion: 83 Resp: 4331
Ion Ratio Lower Upper
83 100
85 75.1 45.2 84.0



#27
1,2-Dichloroethane
Concen: 0.118 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. -0.080 min
Lab File: VV024492.D
Acq: 28 Jan 2022 17:38

Tgt Ion: 62 Resp: 1077
Ion Ratio Lower Upper
62 100
98 0.0 8.1 12.1#





#29

1,1,1-Trichloroethane

Concen: 1.208 ug/L

RT: 4.613 min Scan# 1111

Delta R.T. 0.010 min

Lab File: VV024492.D

Acq: 28 Jan 2022 17:38

Instrument :

MSVOA_V

ClientSampleId :

C0HM1DL

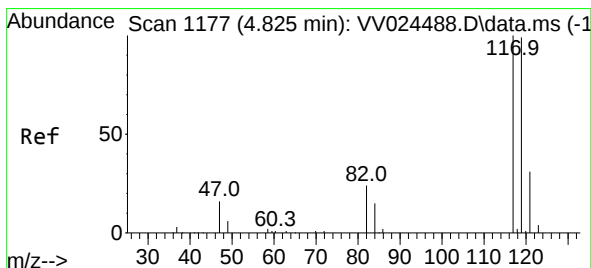
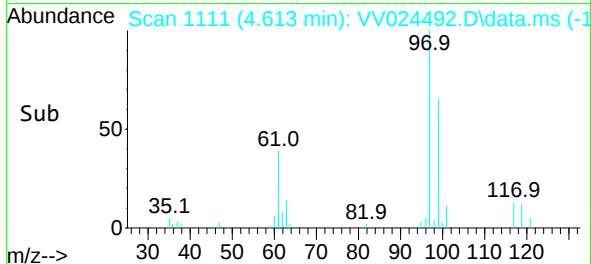
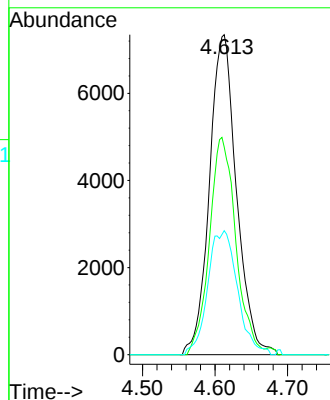
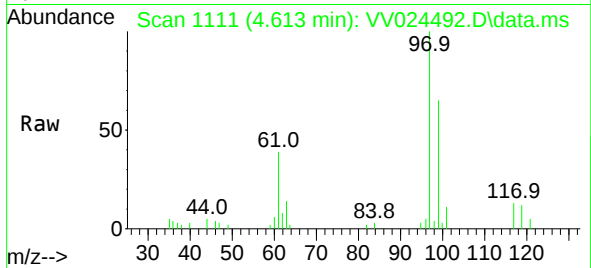
Tgt Ion: 97 Resp: 19077

Ion Ratio Lower Upper

97 100

99 66.2 51.9 77.9

61 42.5 33.2 49.8



#31

Carbon tetrachloride

Concen: 0.175 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. -0.215 min

Lab File: VV024492.D

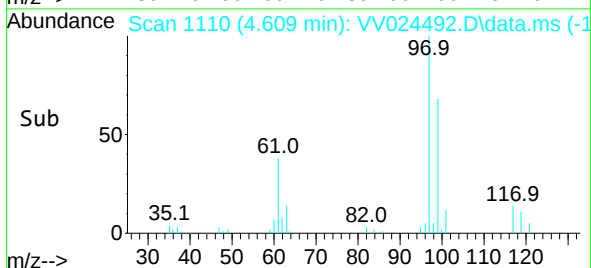
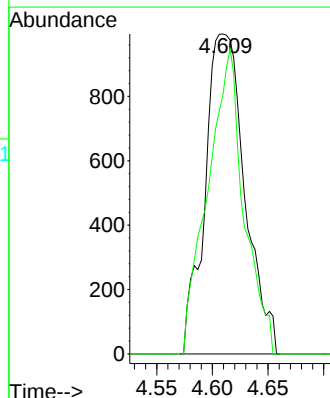
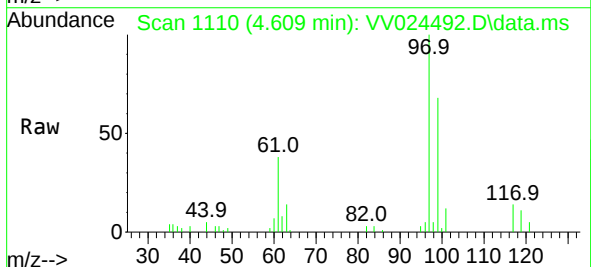
Acq: 28 Jan 2022 17:38

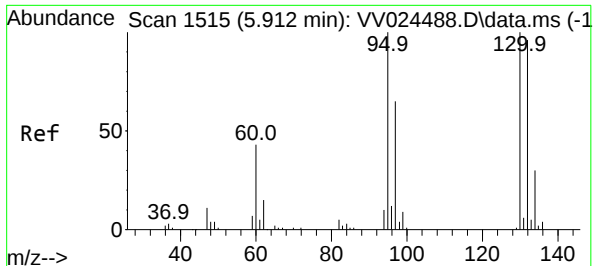
Tgt Ion: 117 Resp: 2483

Ion Ratio Lower Upper

117 100

119 86.0 76.6 114.8

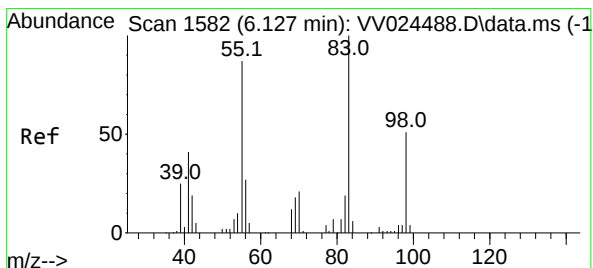
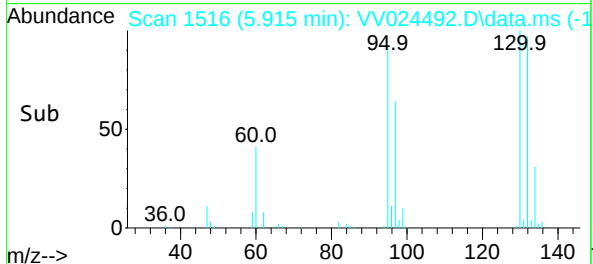
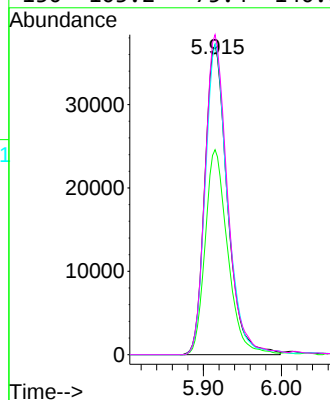
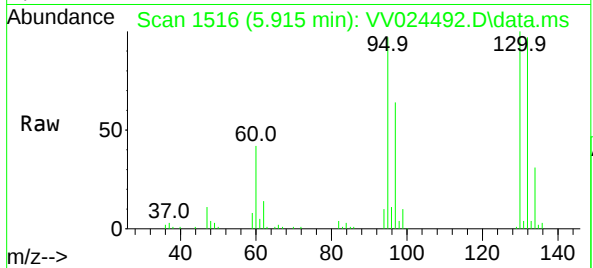




#34
Trichloroethene
Concen: 7.230 ug/L
RT: 5.915 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV024492.D
Acq: 28 Jan 2022 17:38

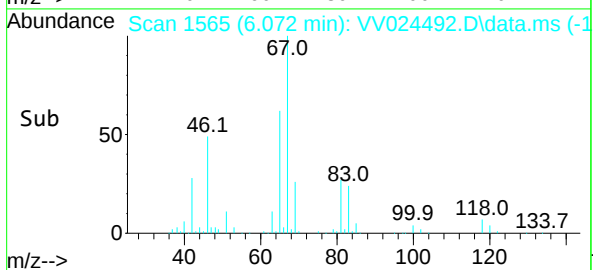
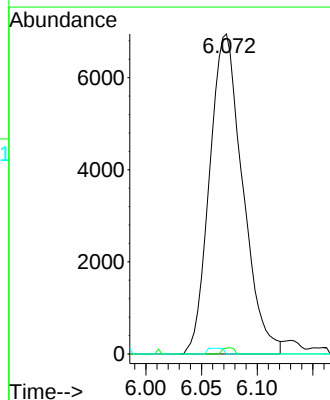
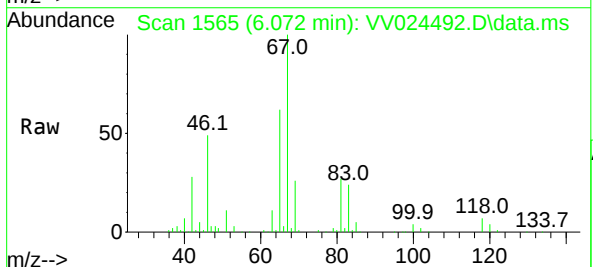
Instrument :
MSVOA_V
ClientSampleId :
C0HM1DL

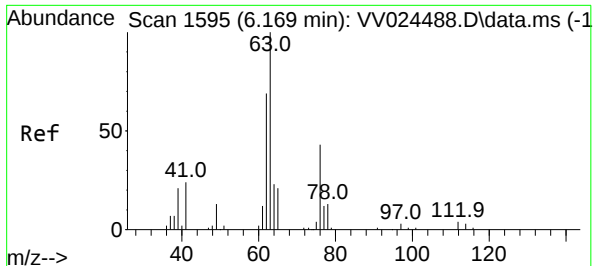
Tgt Ion: 95 Resp: 74459
Ion Ratio Lower Upper
95 100
97 66.2 45.2 84.0
132 100.2 76.1 141.3
130 103.2 75.4 140.0



#35
Methylcyclohexane
Concen: 0.945 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.055 min
Lab File: VV024492.D
Acq: 28 Jan 2022 17:38

Tgt Ion: 83 Resp: 14347
Ion Ratio Lower Upper
83 100
55 0.6 60.2 90.2#
98 0.8 41.0 61.4#





#37

1,2-Dichloropropane

Concen: 0.742 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.096 min

Lab File: VV024492.D

Acq: 28 Jan 2022 17:38

Instrument :

MSVOA_V

ClientSampleId :

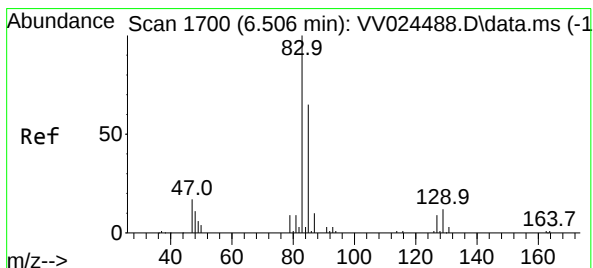
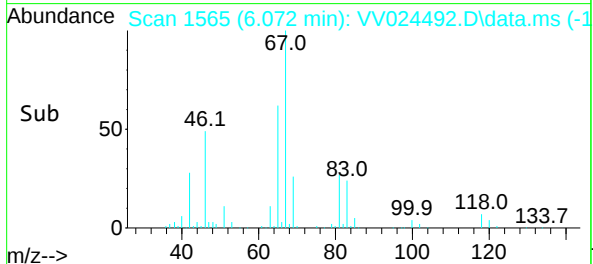
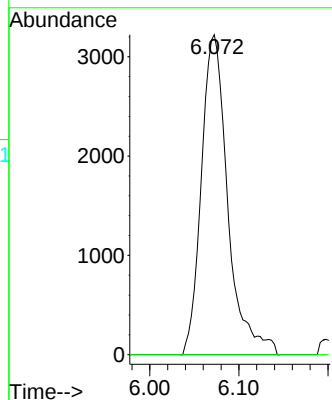
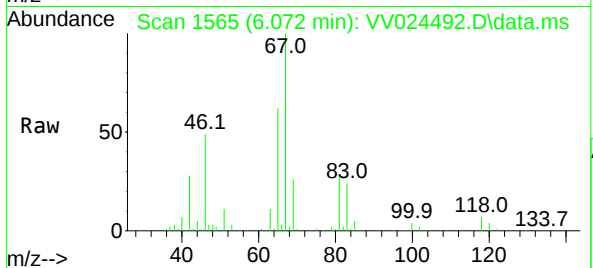
C0HM1DL

Tgt Ion: 63 Resp: 6644

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#



#38

Bromodichloromethane

Concen: 0.045 ug/L

RT: 6.519 min Scan# 1704

Delta R.T. 0.013 min

Lab File: VV024492.D

Acq: 28 Jan 2022 17:38

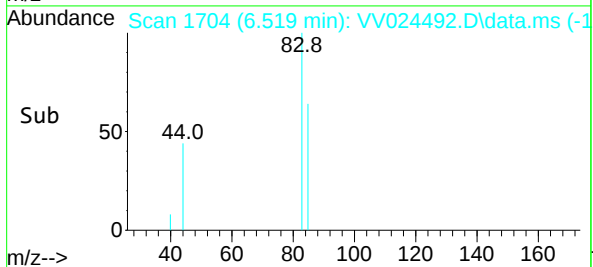
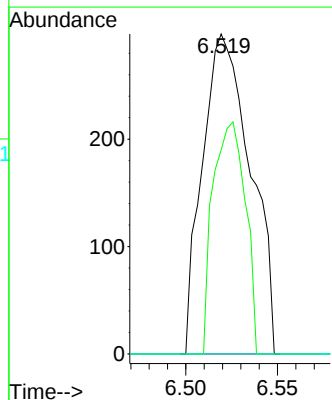
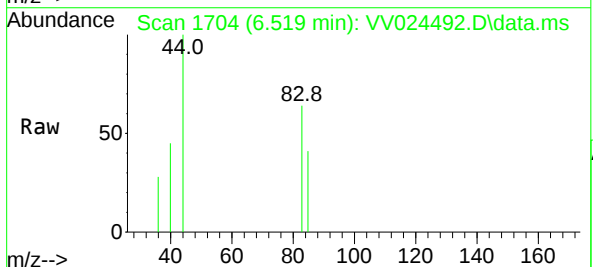
Tgt Ion: 83 Resp: 542

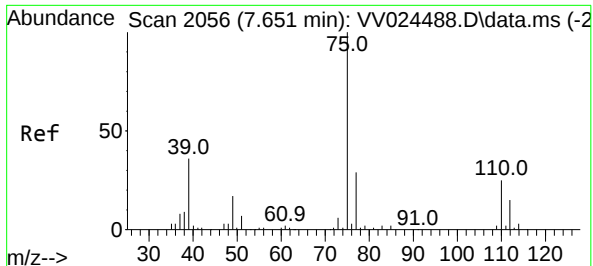
Ion Ratio Lower Upper

83 100

85 63.8 44.0 81.8

127 0.0 8.6 12.8#

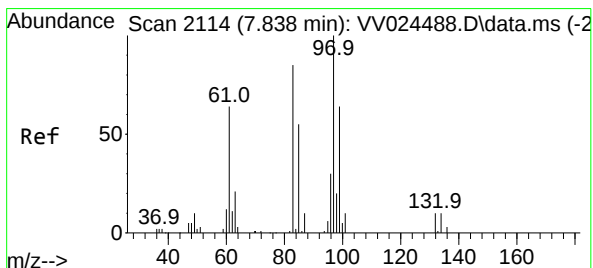
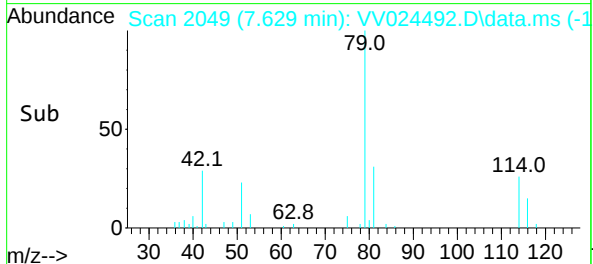
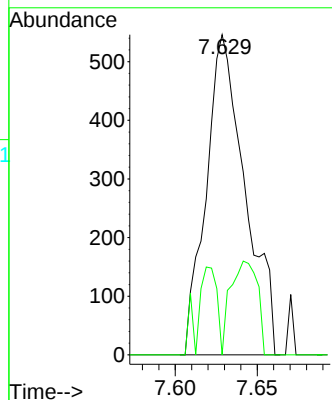
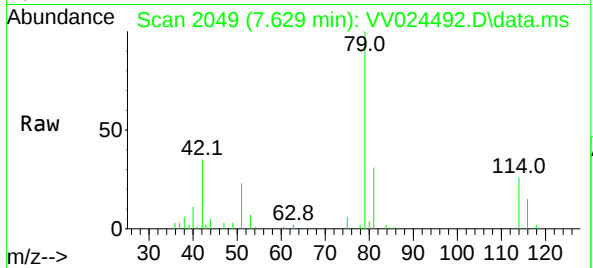




#44
trans-1,3-Dichloropropene
Concen: 0.090 ug/L
RT: 7.629 min Scan# 2049
Delta R.T. -0.023 min
Lab File: VV024492.D
Acq: 28 Jan 2022 17:38

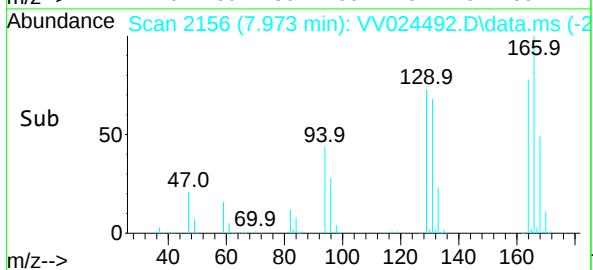
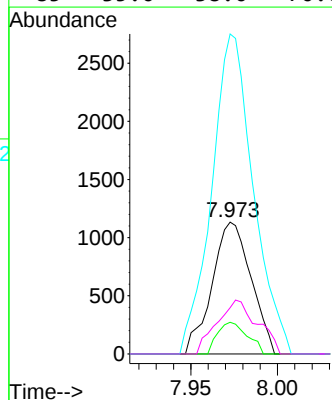
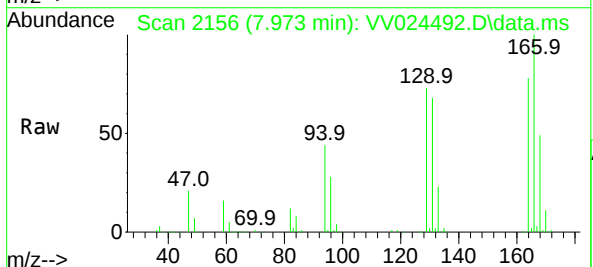
Instrument :
MSVOA_V
ClientSampleId :
COHM1DL

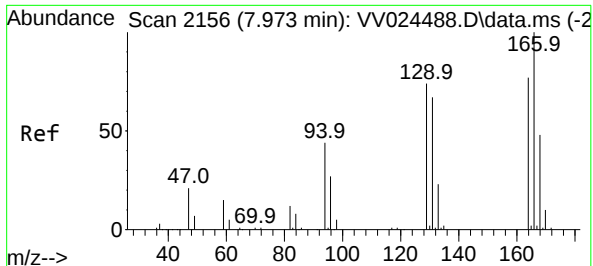
Tgt Ion: 75 Resp: 903
Ion Ratio Lower Upper
75 100
77 0.0 21.8 40.4#



#45
1,1,2-Trichloroethane
Concen: 0.293 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. 0.135 min
Lab File: VV024492.D
Acq: 28 Jan 2022 17:38

Tgt Ion: 97 Resp: 1774
Ion Ratio Lower Upper
97 100
99 24.0 43.1 80.1#
83 242.7 57.9 107.5#
85 35.0 38.0 70.6#





#47

Tetrachloroethene

Concen: 28.114 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV024492.D

Acq: 28 Jan 2022 17:38

Instrument :

MSVOA_V

ClientSampleId :

C0HM1DL

Tgt Ion:164 Resp: 228074

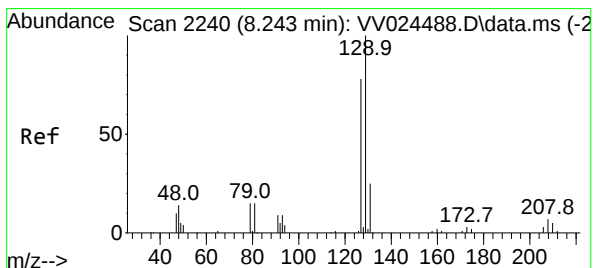
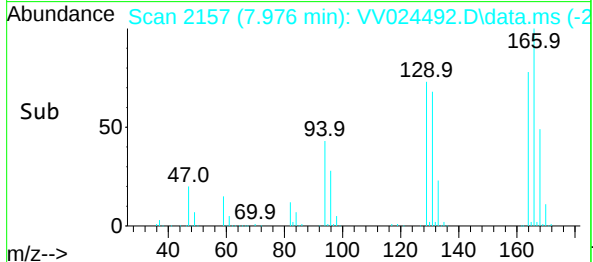
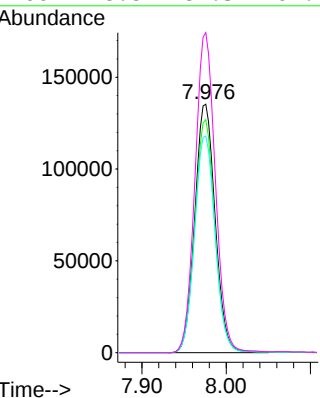
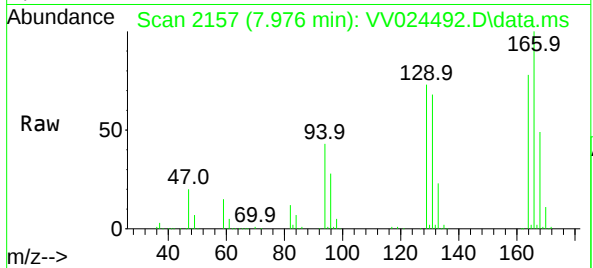
Ion Ratio Lower Upper

164 100

129 93.8 62.6 116.2

131 87.2 61.0 113.4

166 128.8 87.3 162.1



#49

Dibromochloromethane

Concen: 27.235 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV024492.D

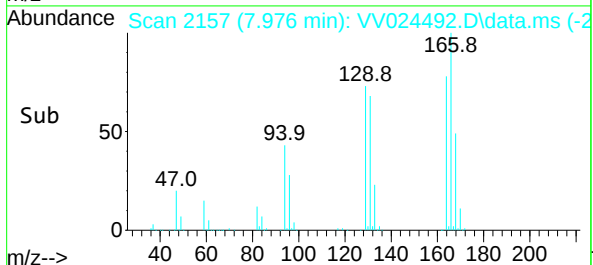
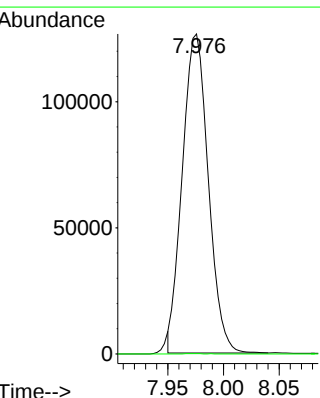
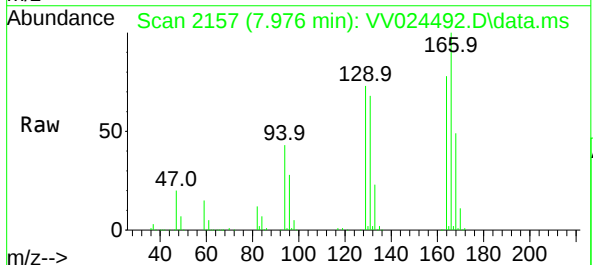
Acq: 28 Jan 2022 17:38

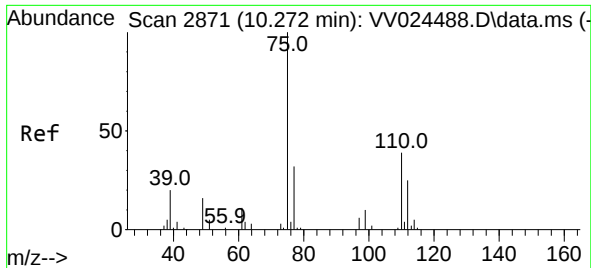
Tgt Ion:129 Resp: 205141

Ion Ratio Lower Upper

129 100

127 0.1 53.5 99.3#





#61
 1,2,3-Trichloropropane
 Concen: 1.709 ug/L
 RT: 11.249 min Scan# 31
 Delta R.T. 0.977 min
 Lab File: VV024492.D
 Acq: 28 Jan 2022 17:38

Instrument :
 MSVOA_V
 ClientSampleId :
 C0HM1DL

Tgt Ion: 75 Resp: 6855
 Ion Ratio Lower Upper
 75 100
 77 31.6 26.4 39.6
 110 1.0 34.2 51.2#

