

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092322\
 Data File : VW028098.D
 Acq On : 23 Sep 2022 13:01
 Operator : SY/MD
 Sample : N4652-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 24 01:26:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 24 01:23:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	186884	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	188006	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	89105	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	84192	4.345	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.000%
7) Chloroethane-d5	1.561	69	74513	4.837	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.800%
11) 1,1-Dichloroethene-d2	2.105	63	139633	4.155	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.200%
20) 2-Butanone-d5	3.876	46	167668	51.260	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.520%
24) Chloroform-d	4.343	84	146438	4.736	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	5.027	65	72358	4.918	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
32) Benzene-d6	5.043	84	278958	4.525	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
36) 1,2-Dichloropropane-d6	6.066	67	86497	4.501	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.000%
41) Toluene-d8	7.314	98	221483	3.969	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.400%
43) trans-1,3-Dichloroprop...	7.619	79	31433	4.528	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.600%
46) 2-Hexanone-d5	8.085	63	132155	45.612	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.220%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	61107	4.652	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	88638	5.072	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.307	62	1071	0.074	ug/L #	1
8) Chloroethane	1.581	64	958	0.099	ug/L	89
9) Trichlorofluoromethane	1.751	101	2264	0.098	ug/L	99
12) 1,1-Dichloroethene	2.114	96	51562	3.992	ug/L	93
17) Methyl tert-butyl Ether	2.764	73	6200	0.223	ug/L #	85
18) trans-1,2-Dichloroethene	2.757	96	5512	0.488	ug/L	96
19) 1,1-Dichloroethane	3.182	63	373923	15.161	ug/L	99
22) cis-1,2-Dichloroethene	3.902	96	55045	3.710	ug/L	97
25) Chloroform	4.368	83	14956	0.565	ug/L	92
27) 1,2-Dichloroethane	5.137	62	867	0.061	ug/L #	76
29) 1,1,1-Trichloroethane	4.600	97	1535733	66.481	ug/L	98
31) Carbon tetrachloride	4.600	117	199747	10.508	ug/L	99
34) Trichloroethene	5.912	95	32117	2.471	ug/L	97
35) Methylcyclohexane	6.066	83	21681	1.217	ug/L #	17
37) 1,2-Dichloropropane	6.063	63	9574	0.654	ug/L #	87
38) Bromodichloromethane	6.510	83	837	0.046	ug/L #	78
44) trans-1,3-Dichloropropene	7.622	75	1410	0.090	ug/L	97
45) 1,1,2-Trichloroethane	7.847	97	908	0.093	ug/L	84
47) Tetrachloroethene	7.973	164	50858	4.903	ug/L	100

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Sep 24 01:23:44 2022
Response via : Initial Calibration

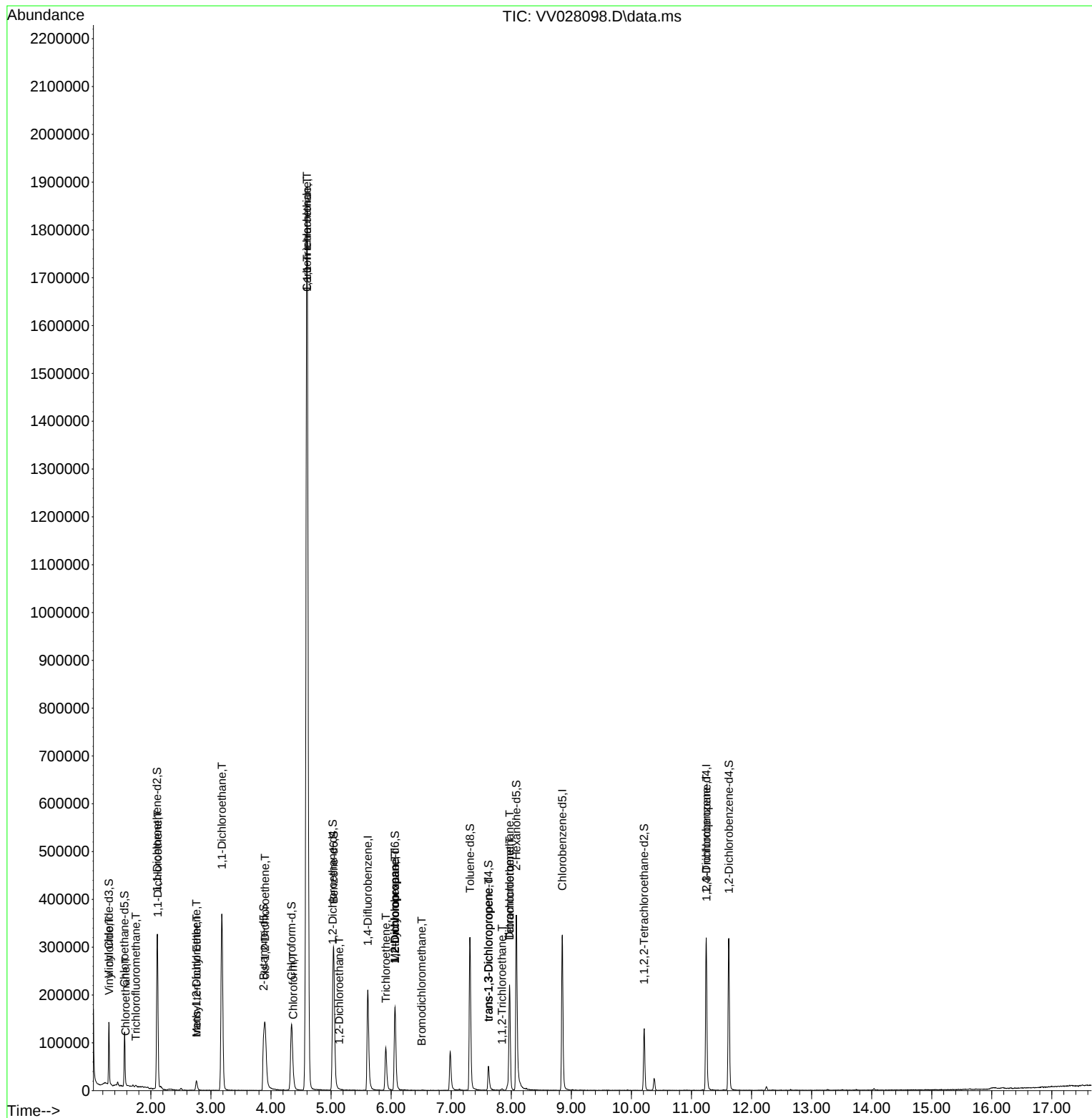
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	7.973	129	47033	3.987	ug/L #	11
61) 1,2,3-Trichloropropane	11.249	75	8967	1.200	ug/L #	69

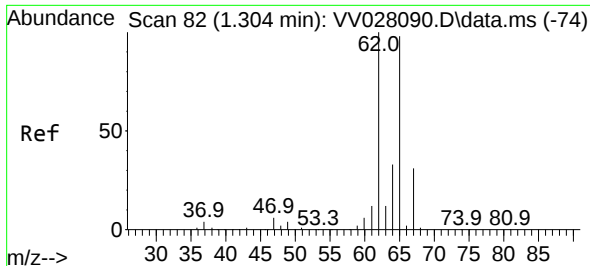
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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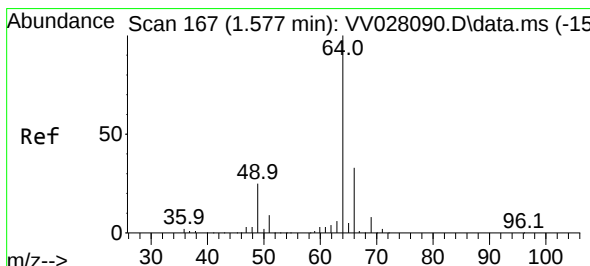
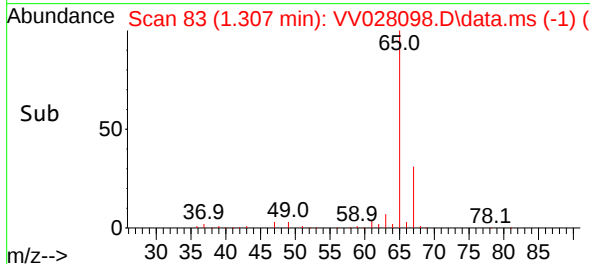
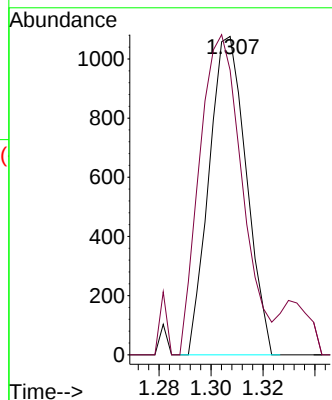
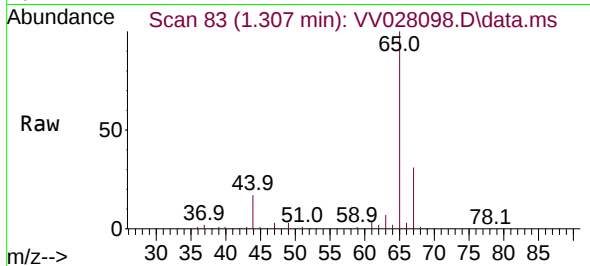




#5
 Vinyl chloride
 Concen: 0.074 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VV028098.D
 Acq: 23 Sep 2022 13:01

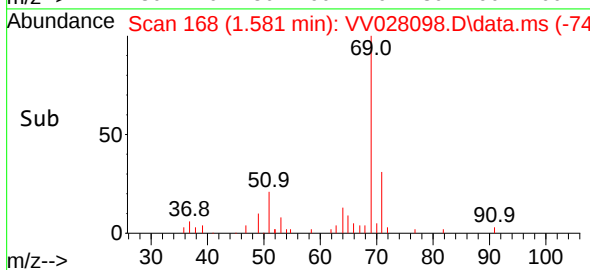
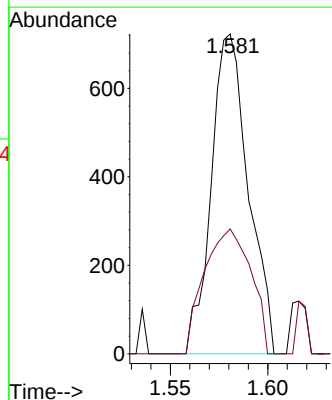
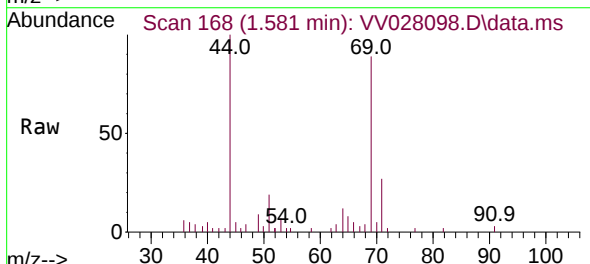
Instrument :
 MSVOA_V
 ClientSampleId :

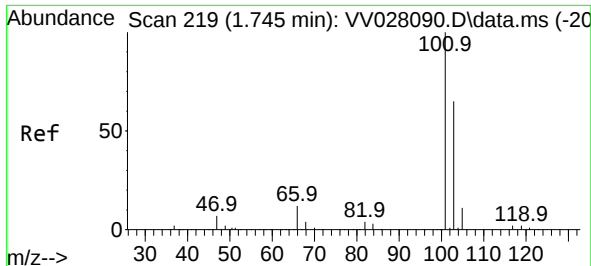
Tgt Ion: 62 Resp: 1071
 Ion Ratio Lower Upper
 62 100
 64 89.4 23.0 42.8#



#8
 Chloroethane
 Concen: 0.099 ug/L
 RT: 1.581 min Scan# 168
 Delta R.T. 0.003 min
 Lab File: VV028098.D
 Acq: 23 Sep 2022 13:01

Tgt Ion: 64 Resp: 958
 Ion Ratio Lower Upper
 64 100
 66 39.0 23.0 42.8

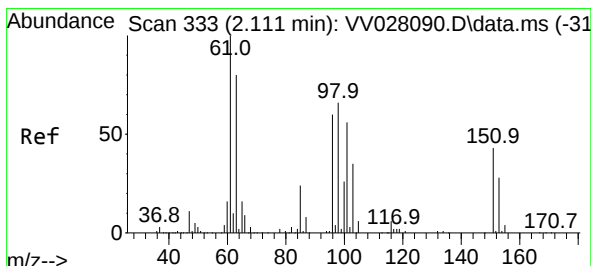
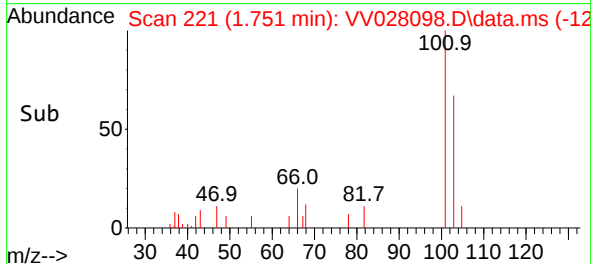
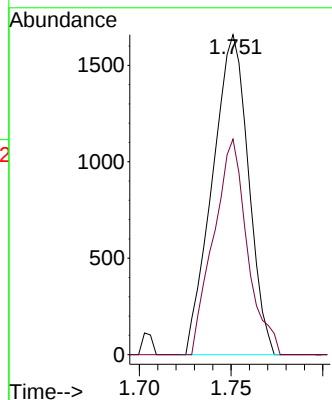
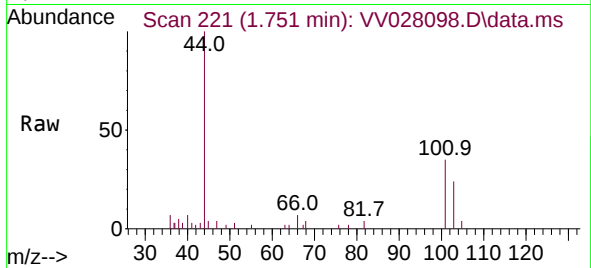




#9
 Trichlorofluoromethane
 Concen: 0.098 ug/L
 RT: 1.751 min Scan# 219
 Delta R.T. 0.006 min
 Lab File: VV028098.D
 Acq: 23 Sep 2022 13:01

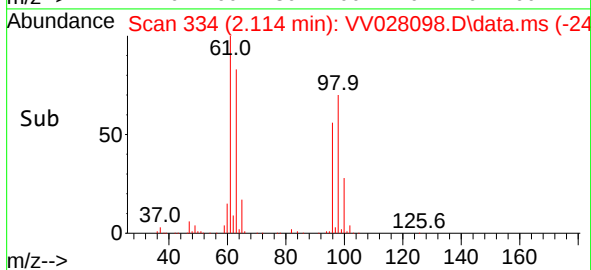
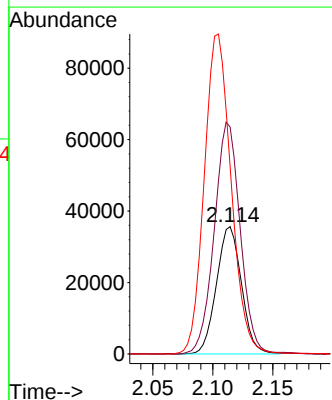
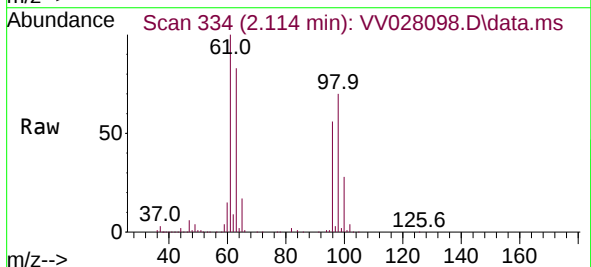
Instrument :
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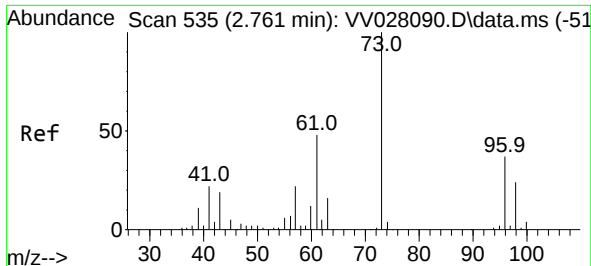
Tgt Ion:101 Resp: 2264
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.4 77.0



#12
 1,1-Dichloroethene
 Concen: 3.992 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.003 min
 Lab File: VV028098.D
 Acq: 23 Sep 2022 13:01

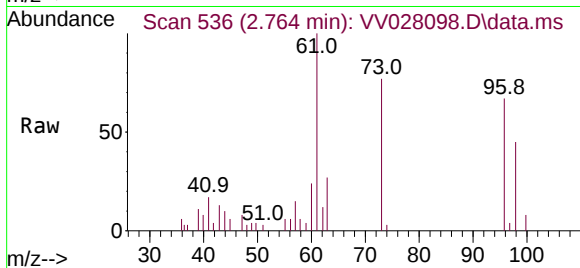
Tgt Ion: 96 Resp: 51562
 Ion Ratio Lower Upper
 96 100
 61 178.0 128.3 238.3
 63 147.1 112.7 209.3



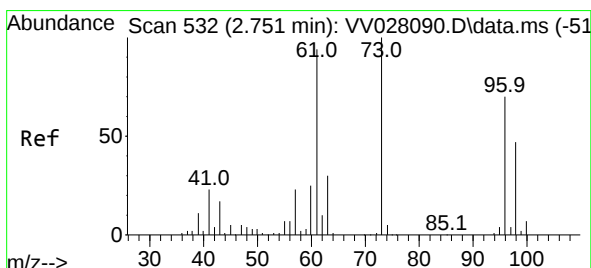
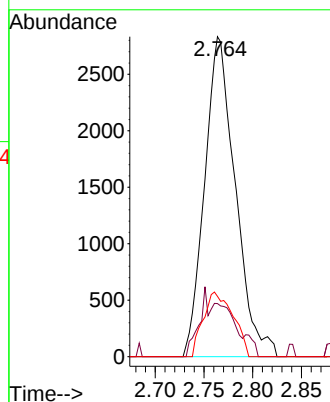
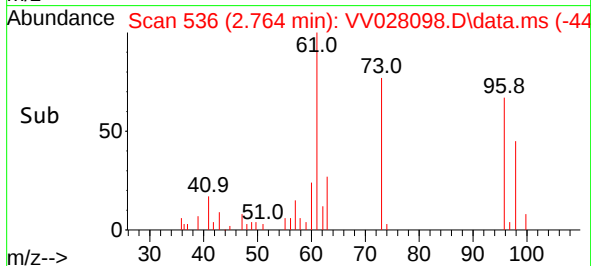


#17
Methyl tert-butyl Ether
Concen: 0.223 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV028098.D
Acq: 23 Sep 2022 13:01

Instrument :
MSVOA_V
ClientSampleId :

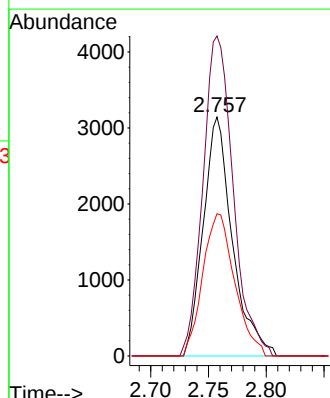
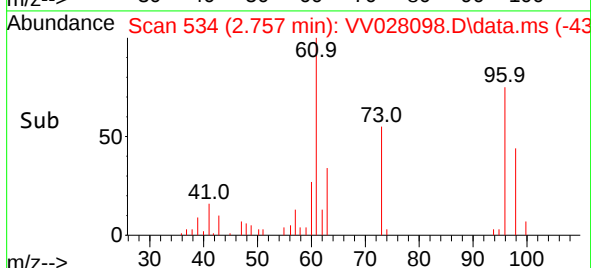
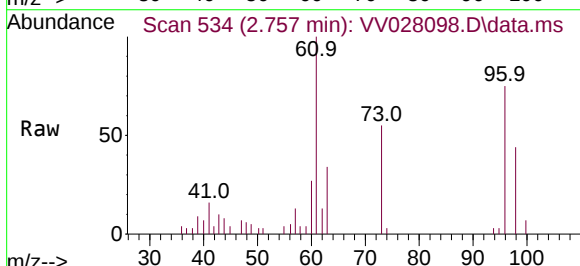


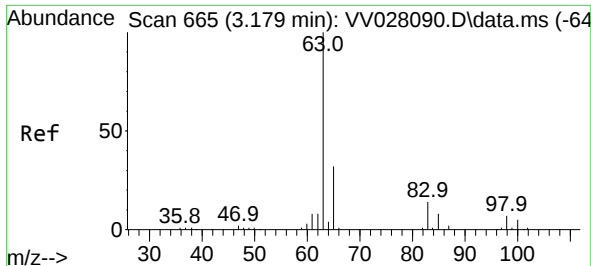
Tgt Ion: 73 Resp: 6200
Ion Ratio Lower Upper
73 100
43 7.5 15.7 23.5#
57 19.6 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 0.488 ug/L
RT: 2.757 min Scan# 534
Delta R.T. 0.006 min
Lab File: VV028098.D
Acq: 23 Sep 2022 13:01

Tgt Ion: 96 Resp: 5512
Ion Ratio Lower Upper
96 100
61 134.0 96.2 178.6
98 59.5 45.7 84.9





#19

1,1-Dichloroethane

Concen: 15.161 ug/L

RT: 3.182 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV028098.D

Acq: 23 Sep 2022 13:01

Instrument :

MSVOA_V

ClientSampleId :

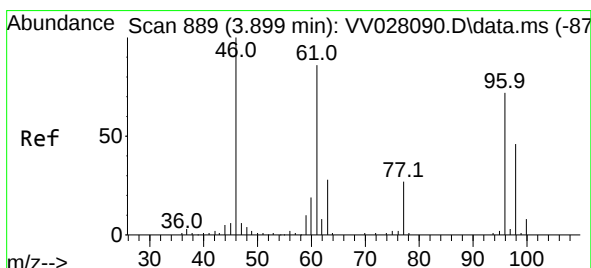
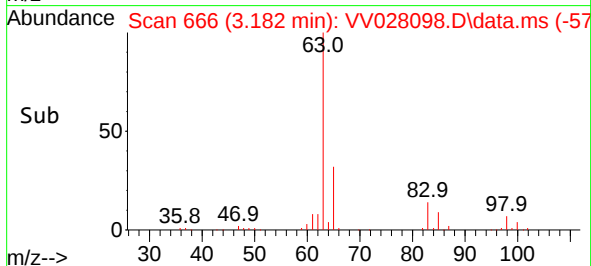
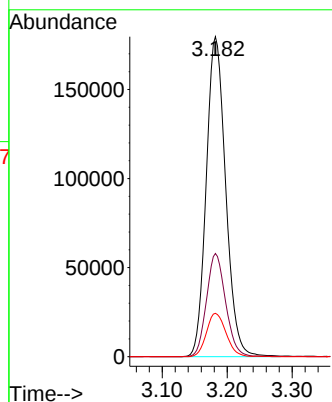
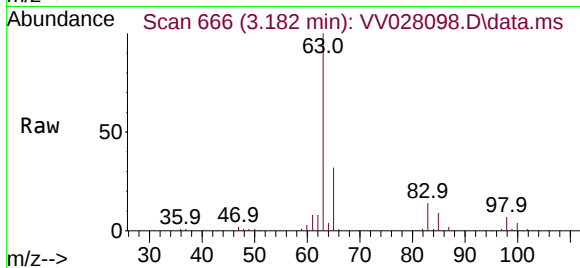
Tgt Ion: 63 Resp: 373923

Ion Ratio Lower Upper

63 100

65 32.2 23.0 42.8

83 13.5 9.2 17.2



#22

cis-1,2-Dichloroethene

Concen: 3.710 ug/L

RT: 3.902 min Scan# 890

Delta R.T. 0.003 min

Lab File: VV028098.D

Acq: 23 Sep 2022 13:01

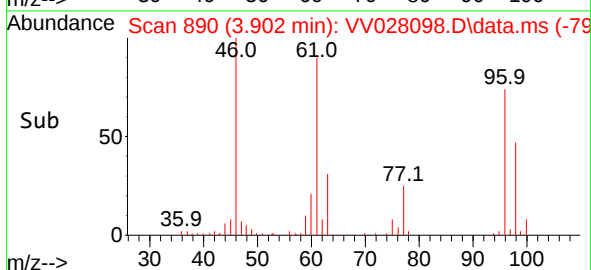
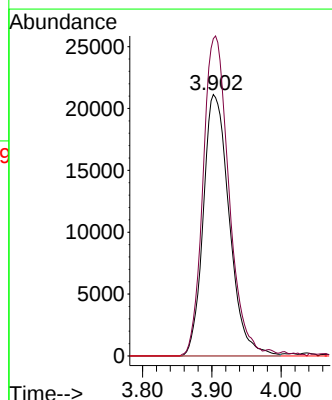
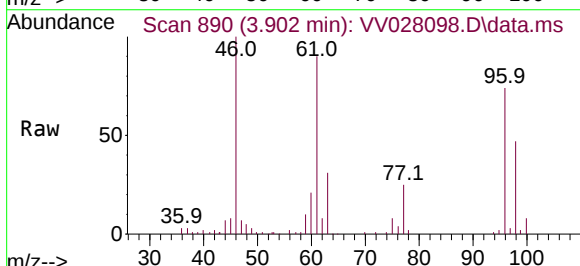
Tgt Ion: 96 Resp: 55045

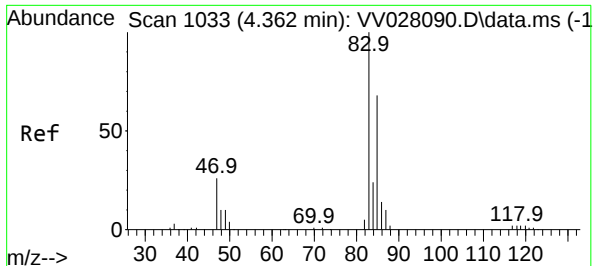
Ion Ratio Lower Upper

96 100

61 121.3 87.2 161.9

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.565 ug/L

RT: 4.368 min Scan# 1033

Delta R.T. 0.006 min

Lab File: VV028098.D

Acq: 23 Sep 2022 13:01

Instrument :

MSVOA_V

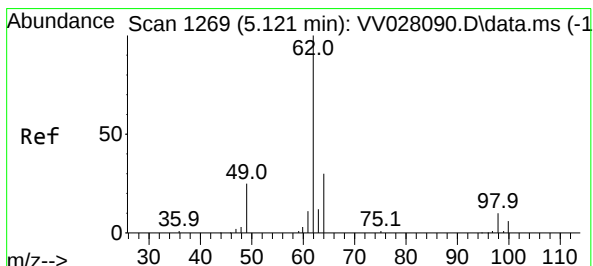
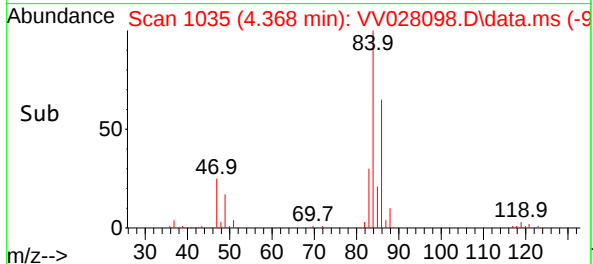
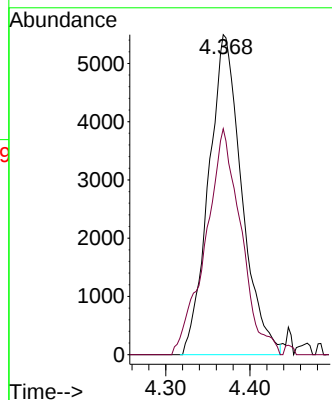
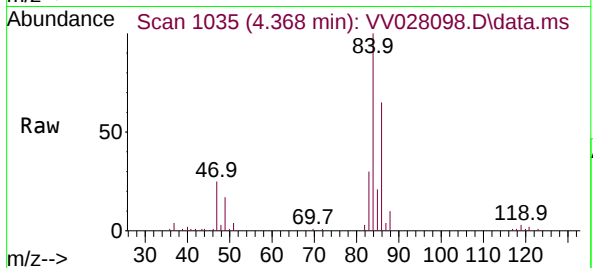
ClientSampleId :

Tgt Ion: 83 Resp: 14956

Ion Ratio Lower Upper

83 100

85 70.6 45.1 83.7



#27

1,2-Dichloroethane

Concen: 0.061 ug/L

RT: 5.137 min Scan# 1274

Delta R.T. 0.016 min

Lab File: VV028098.D

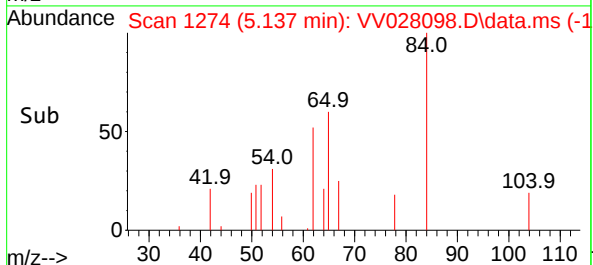
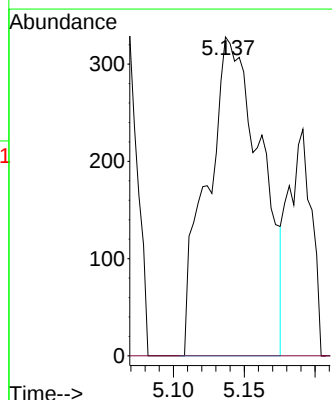
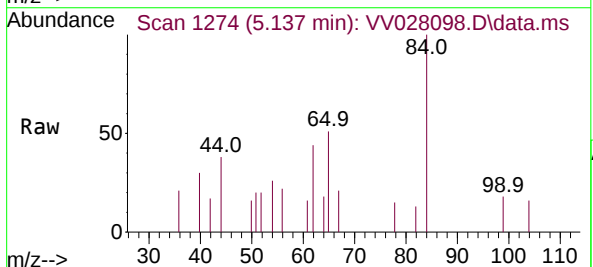
Acq: 23 Sep 2022 13:01

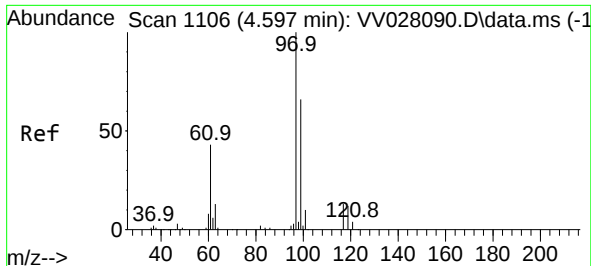
Tgt Ion: 62 Resp: 867

Ion Ratio Lower Upper

62 100

98 0.0 6.7 10.1#





#29

1,1,1-Trichloroethane

Concen: 66.481 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV028098.D

Acq: 23 Sep 2022 13:01

Instrument :

MSVOA_V

ClientSampleId :

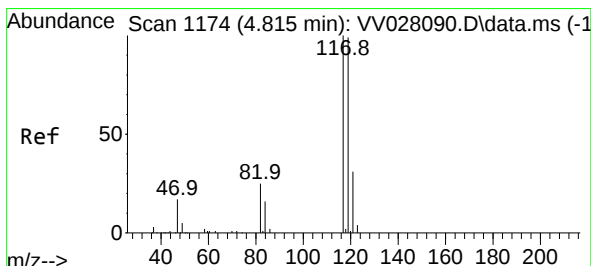
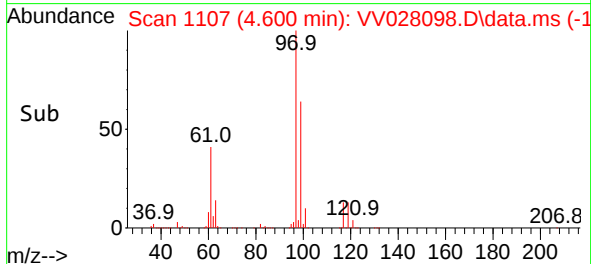
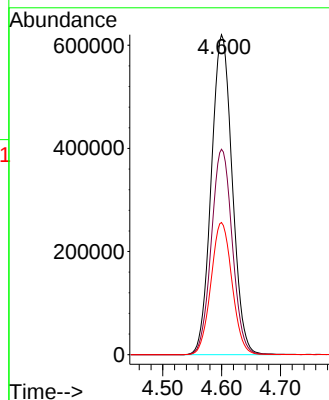
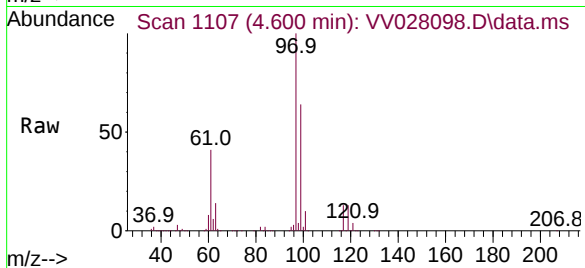
Tgt Ion: 97 Resp: 1535733

Ion Ratio Lower Upper

97 100

99 64.3 51.9 77.9

61 41.6 34.8 52.2



#31

Carbon tetrachloride

Concen: 10.508 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.215 min

Lab File: VV028098.D

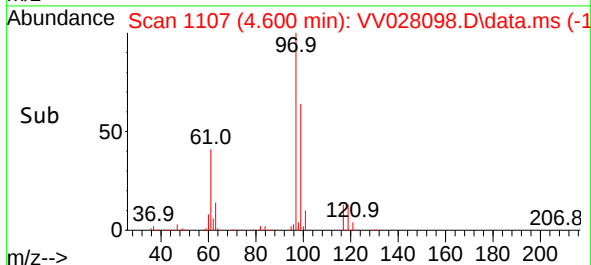
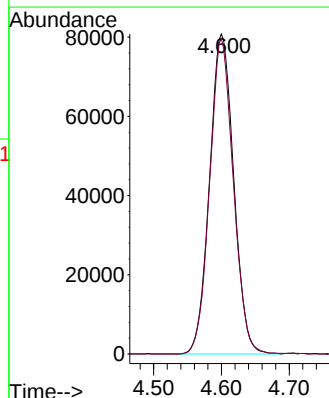
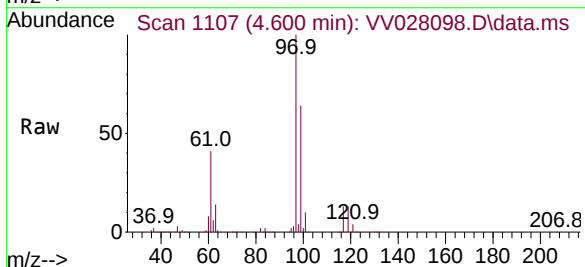
Acq: 23 Sep 2022 13:01

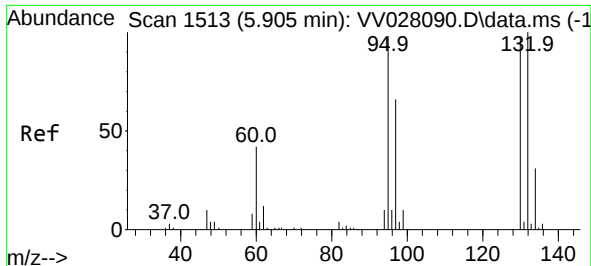
Tgt Ion: 117 Resp: 199747

Ion Ratio Lower Upper

117 100

119 96.6 76.9 115.3

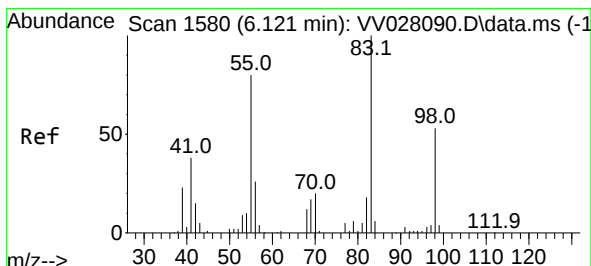
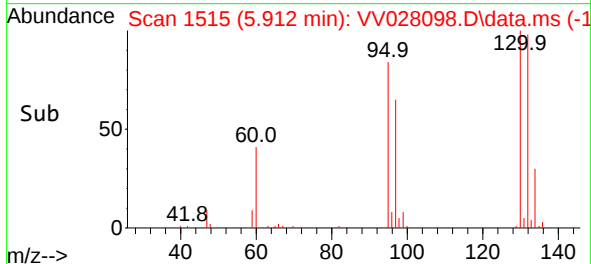
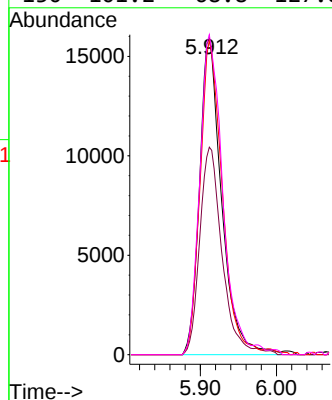
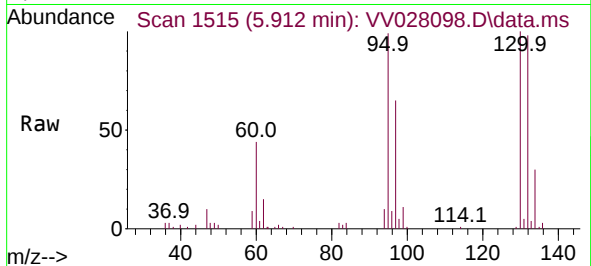




#34
Trichloroethene
Concen: 2.471 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. 0.006 min
Lab File: VV028098.D
Acq: 23 Sep 2022 13:01

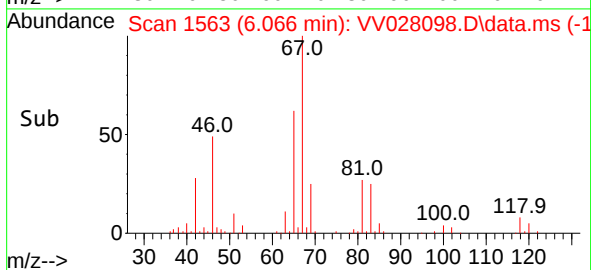
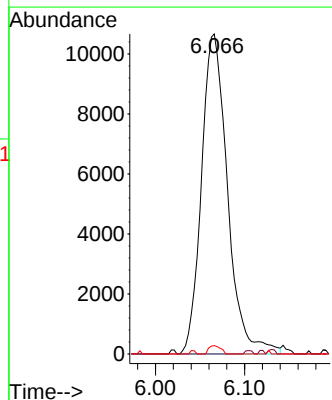
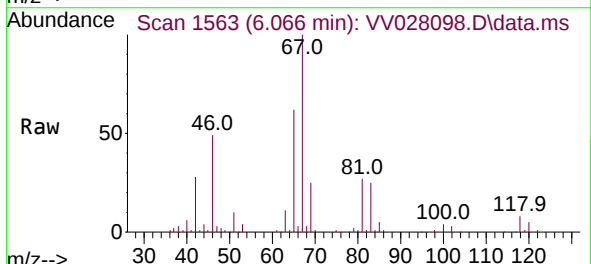
Instrument :
MSVOA_V
ClientSampleId :

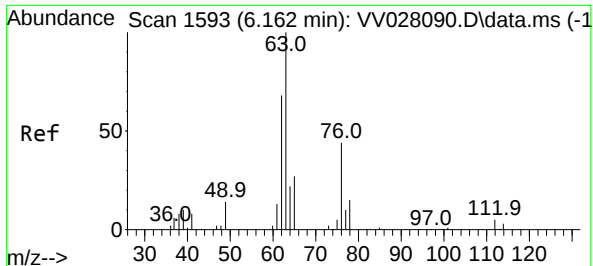
Tgt Ion: 95 Resp: 32117
Ion Ratio Lower Upper
95 100
97 65.6 44.2 82.0
132 99.5 67.8 126.0
130 101.2 68.8 127.8



#35
Methylcyclohexane
Concen: 1.217 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.055 min
Lab File: VV028098.D
Acq: 23 Sep 2022 13:01

Tgt Ion: 83 Resp: 21681
Ion Ratio Lower Upper
83 100
55 0.3 64.7 97.1#
98 1.2 39.5 59.3#





#37

1,2-Dichloropropane

Concen: 0.654 ug/L

RT: 6.063 min Scan# 1

Delta R.T. -0.100 min

Lab File: VV028098.D

Acq: 23 Sep 2022 13:01

Instrument :

MSVOA_V

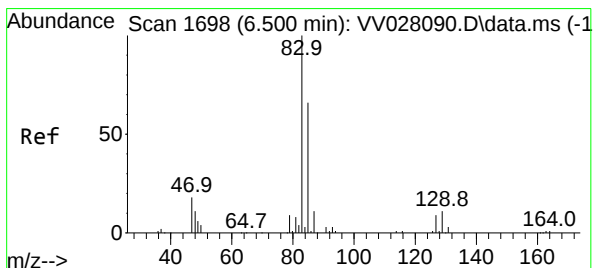
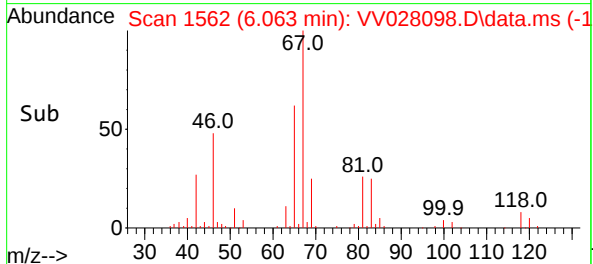
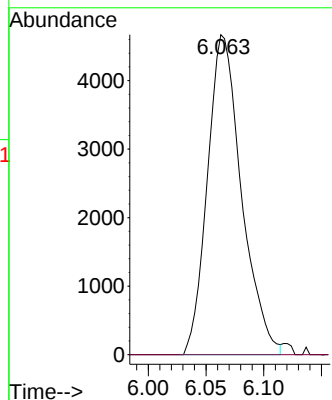
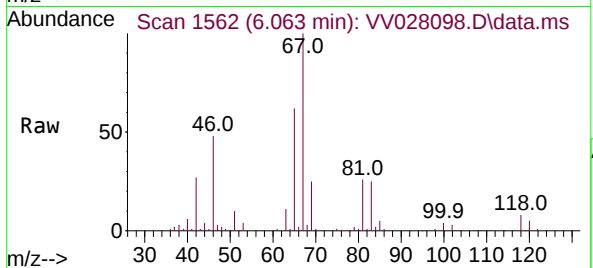
ClientSampleId :

Tgt Ion: 63 Resp: 9574

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



#38

Bromodichloromethane

Concen: 0.046 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.010 min

Lab File: VV028098.D

Acq: 23 Sep 2022 13:01

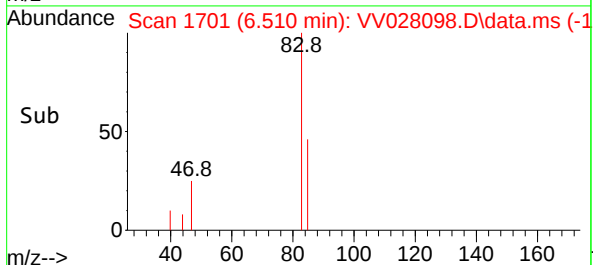
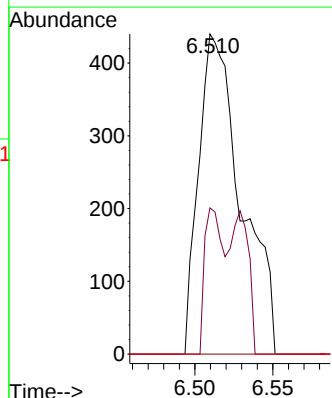
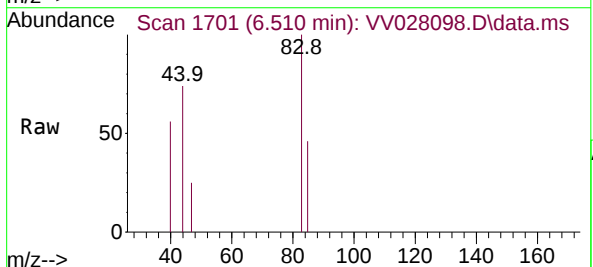
Tgt Ion: 83 Resp: 837

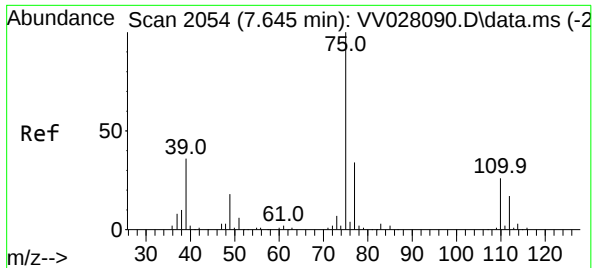
Ion Ratio Lower Upper

83 100

85 45.7 43.8 81.4

127 0.0 6.3 9.5#

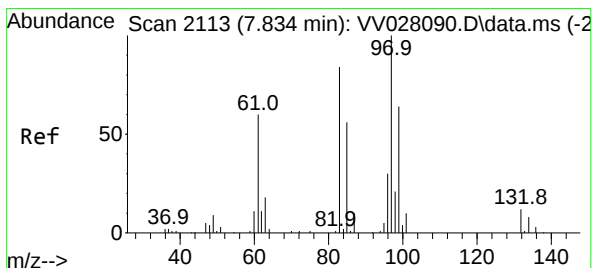
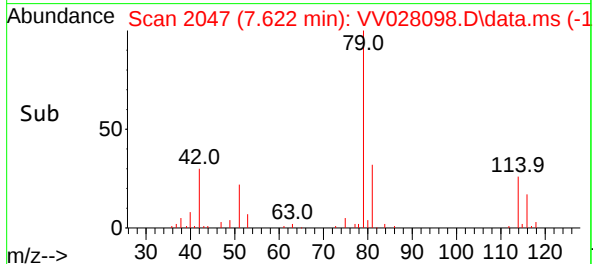
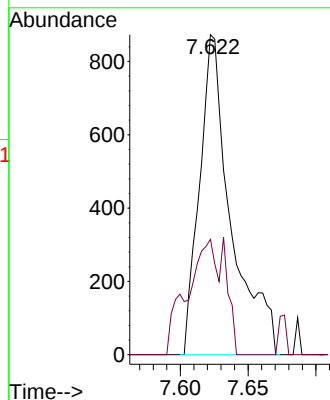
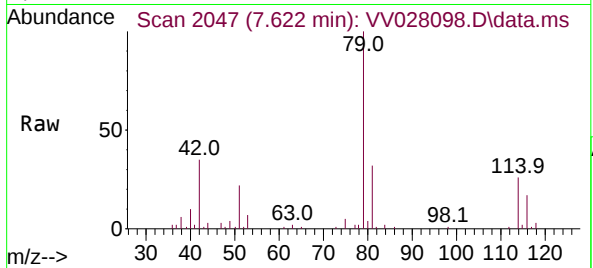




#44
trans-1,3-Dichloropropene
Concen: 0.090 ug/L
RT: 7.622 min Scan# 2054
Delta R.T. -0.022 min
Lab File: VV028098.D
Acq: 23 Sep 2022 13:01

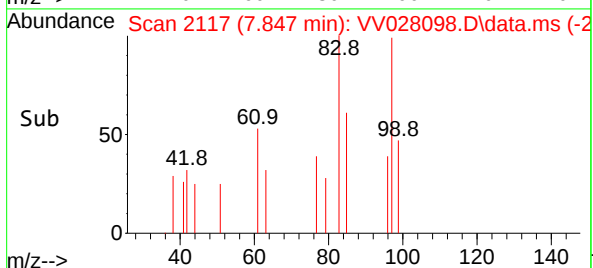
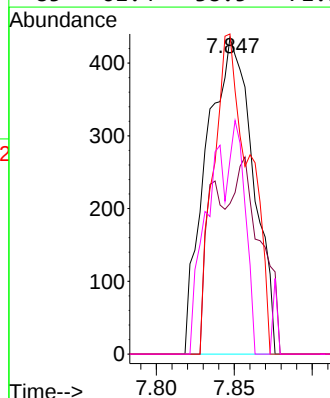
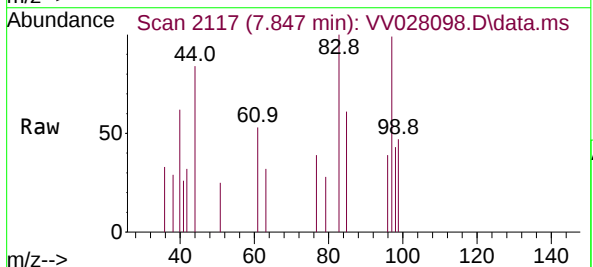
Instrument :
MSVOA_V
ClientSampleId :

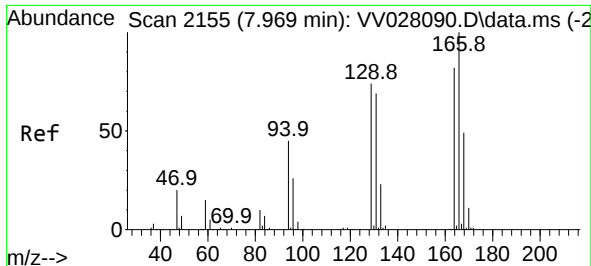
Tgt Ion: 75 Resp: 1410
Ion Ratio Lower Upper
75 100
77 36.1 23.9 44.3



#45
1,1,2-Trichloroethane
Concen: 0.093 ug/L
RT: 7.847 min Scan# 2117
Delta R.T. 0.013 min
Lab File: VV028098.D
Acq: 23 Sep 2022 13:01

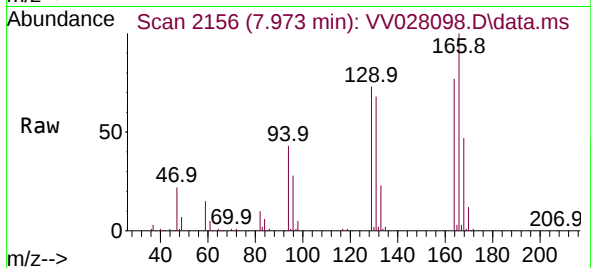
Tgt Ion: 97 Resp: 908
Ion Ratio Lower Upper
97 100
99 47.6 43.2 80.2
83 101.1 59.1 109.9
85 61.4 38.5 71.5



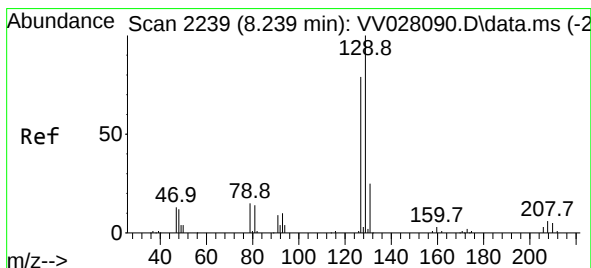
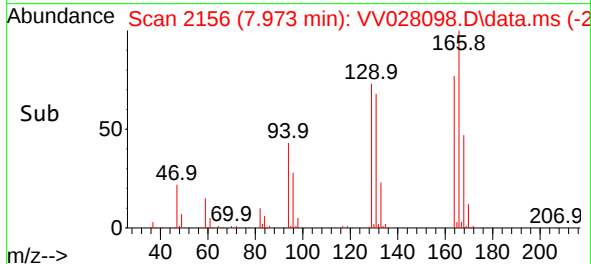
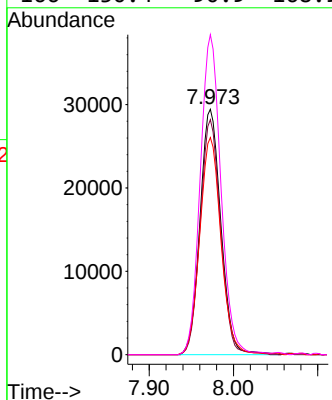


#47
Tetrachloroethene
Concen: 4.903 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. 0.003 min
Lab File: VV028098.D
Acq: 23 Sep 2022 13:01

Instrument :
MSVOA_V
ClientSampleId :

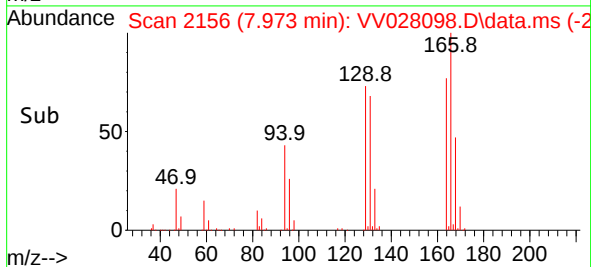
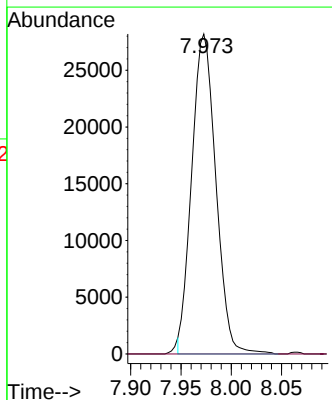
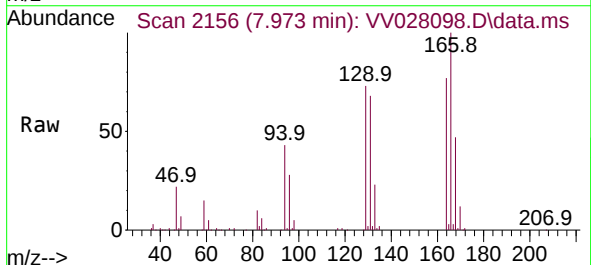


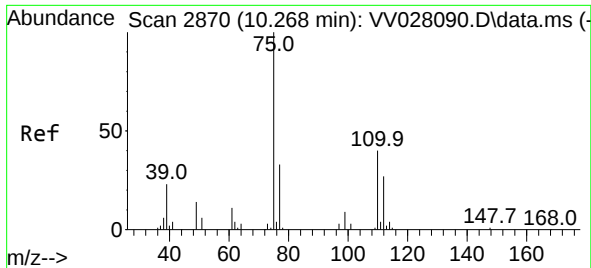
Tgt Ion:164 Resp: 50858
Ion Ratio Lower Upper
164 100
129 95.8 66.7 123.9
131 88.5 61.7 114.5
166 130.4 90.9 168.9



#49
Dibromochloromethane
Concen: 3.987 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. -0.267 min
Lab File: VV028098.D
Acq: 23 Sep 2022 13:01

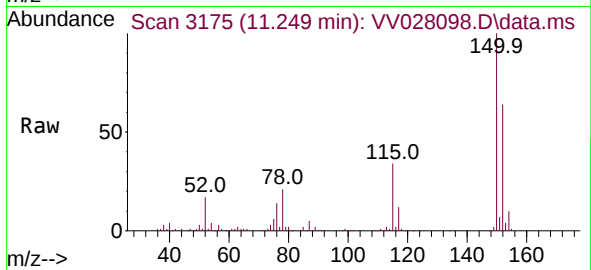
Tgt Ion:129 Resp: 47033
Ion Ratio Lower Upper
129 100
127 0.0 54.3 100.9#





#61
 1,2,3-Trichloropropane
 Concen: 1.200 ug/L
 RT: 11.249 min Scan# 31
 Delta R.T. 0.981 min
 Lab File: VV028098.D
 Acq: 23 Sep 2022 13:01

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 8967
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.7 40.1
 110 3.6 30.1 45.1#

