

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041323\
 Data File : VW030553.D
 Acq On : 13 Apr 2023 18:24
 Operator : SY/MD
 Sample : 02254-16
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA6

Quant Time: Apr 14 05:23:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 14 05:16:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.548	114	134115	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.796	117	128819	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	59750	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	53482	6.021	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	120.400%
7) Chloroethane-d5	1.536	69	41458	4.810	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.200%
11) 1,1-Dichloroethene-d2	2.069	63	15129955	717.825	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	14356.400%#
20) 2-Butanone-d5	3.822	46	99678	43.416	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.840%
24) Chloroform-d	4.265	84	88512	4.117	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
26) 1,2-Dichloroethane-d4	4.960	65	47606	4.693	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
32) Benzene-d6	4.976	84	165780	4.567	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.400%
36) 1,2-Dichloropropane-d6	6.002	67	50013	4.401	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.000%
41) Toluene-d8	7.252	98	135090	4.052	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.000%
43) trans-1,3-Dichloroprop...	7.568	79	17268	4.036	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.800%
46) 2-Hexanone-d5	8.037	63	67973	39.533	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.060%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	35485	3.962	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.200%
66) 1,2-Dichlorobenzene-d4	11.571	152	49515	4.637	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	4225	0.196	ug/L	88
5) Vinyl chloride	1.285	62	60772	3.875	ug/L	99
6) Bromomethane	1.494	94	616	0.138	ug/L	88
8) Chloroethane	1.552	64	5268	0.586	ug/L	99
9) Trichlorofluoromethane	1.716	101	1773	0.078	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	72262	5.726	ug/L #	31
13) Acetone	2.143	43	9721	4.428	ug/L	88
15) Methyl Acetate	2.401	43	2714	0.692	ug/L	96
16) Methylene chloride	2.455	84	2867	0.216	ug/L #	77
19) 1,1-Dichloroethane	3.121	63	8297633	362.561	ug/L	97
21) 2-Butanone	3.921	43	20426	7.392	ug/L	98
22) cis-1,2-Dichloroethene	3.831	96	3399	0.287	ug/L	96
25) Chloroform	4.294	83	41627	1.800	ug/L	100
27) 1,2-Dichloroethane	5.060	62	62162	4.445	ug/L	96
31) Carbon tetrachloride	4.593	117	20824097	1108.449	ug/L	98
34) Trichloroethene	5.841	95	729367	59.107	ug/L	98
35) Methylcyclohexane	6.002	83	12129	0.626	ug/L #	16
45) 1,1,2-Trichloroethane	7.783	97	3288	0.398	ug/L	95
47) Tetrachloroethene	7.915	164	20189	1.854	ug/L	99

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Apr 14 05:16:37 2023
Response via : Initial Calibration

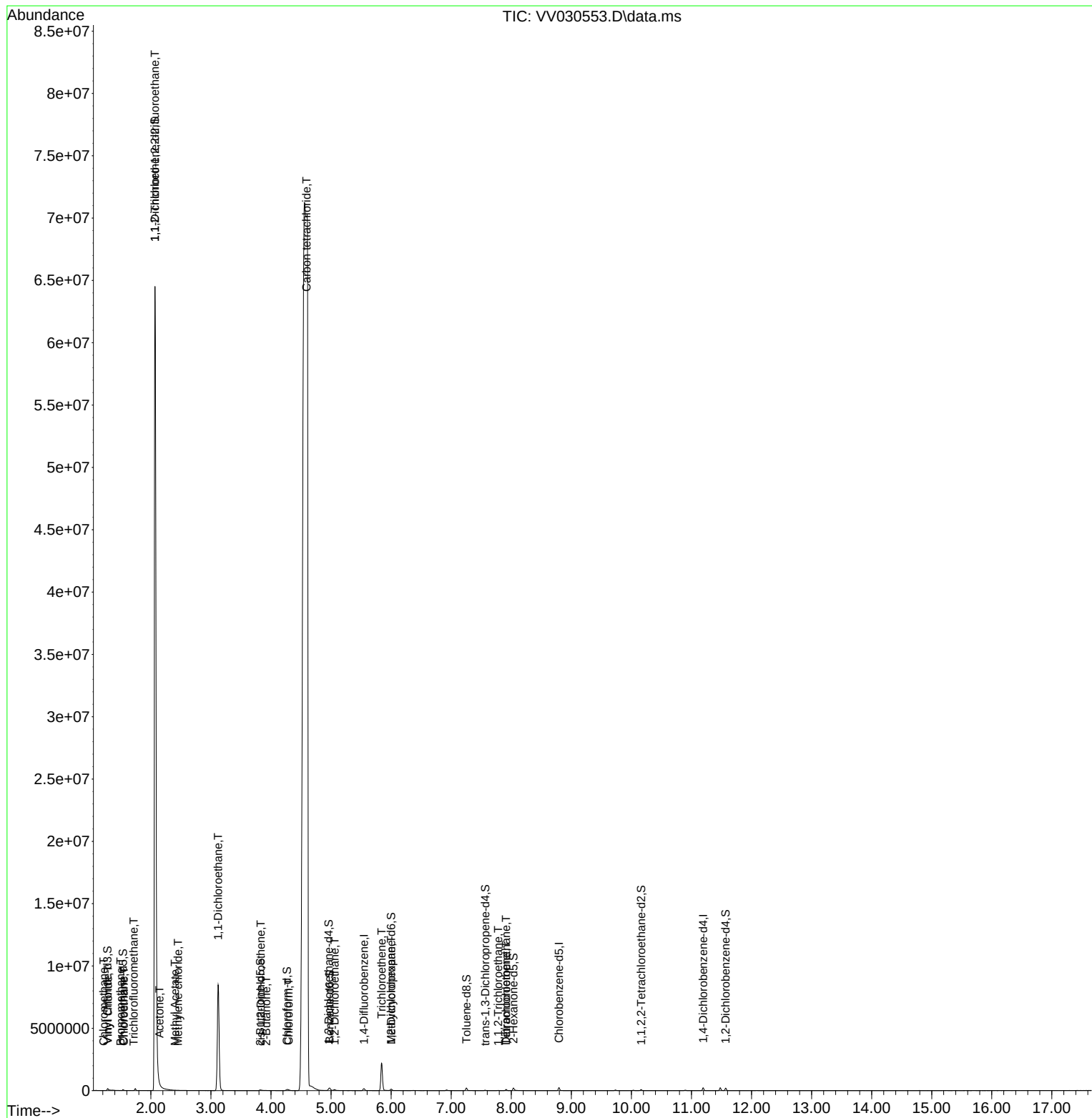
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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49) Dibromochloromethane	7.915	129	17963	1.825	ug/L #	12
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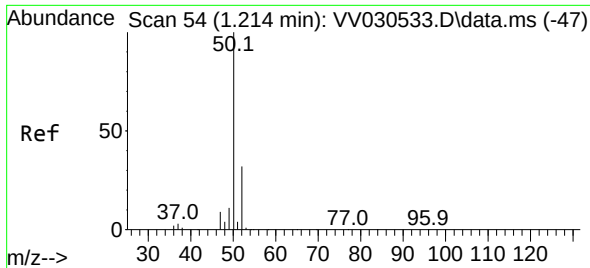
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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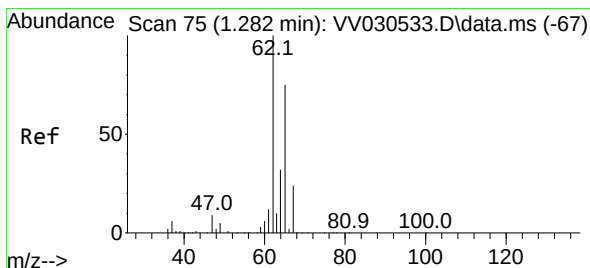
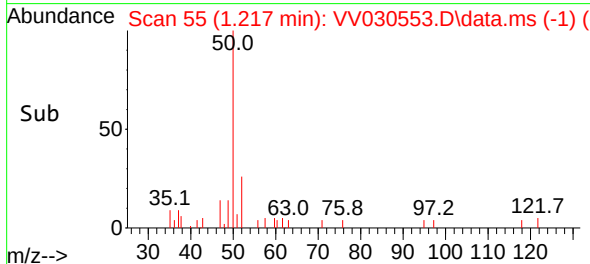
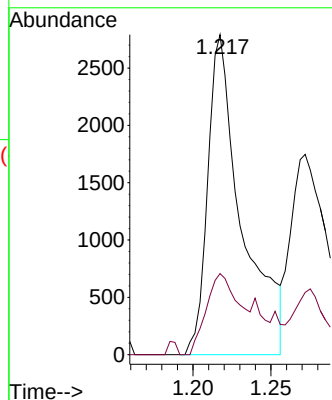
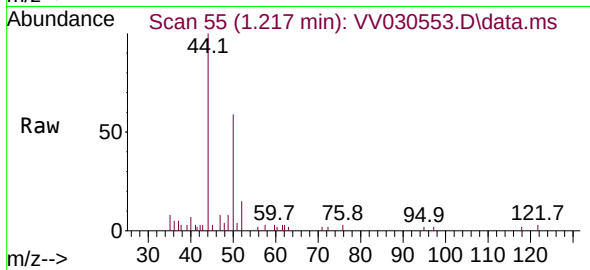




#3
Chloromethane
Concen: 0.196 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV030533.D
Acq: 13 Apr 2023 18:24

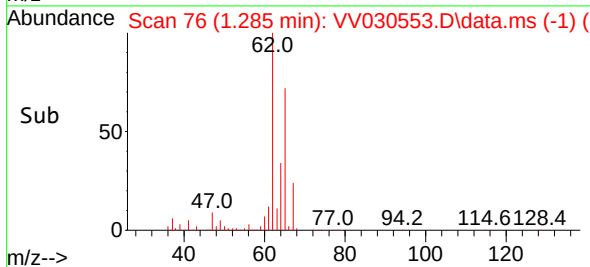
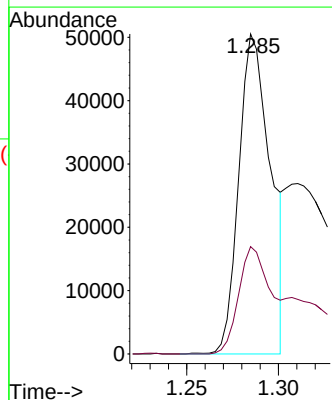
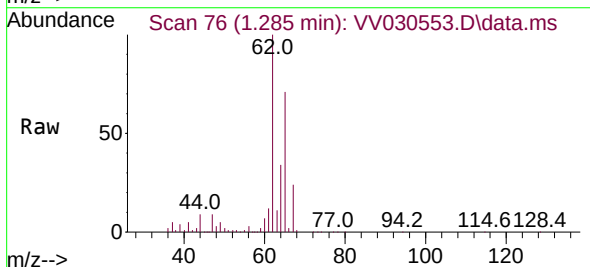
Instrument :
MSVOA_V
ClientSampleId :
C0AA6

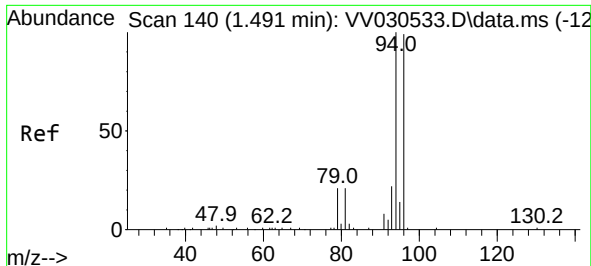
Tgt Ion: 50 Resp: 4225
Ion Ratio Lower Upper
50 100
52 25.4 22.3 41.5



#5
Vinyl chloride
Concen: 3.875 ug/L
RT: 1.285 min Scan# 76
Delta R.T. 0.003 min
Lab File: VV030533.D
Acq: 13 Apr 2023 18:24

Tgt Ion: 62 Resp: 60772
Ion Ratio Lower Upper
62 100
64 33.5 23.2 43.2





#6

Bromomethane

Concen: 0.138 ug/L

RT: 1.494 min Scan# 140

Delta R.T. 0.003 min

Lab File: VV030533.D

Acq: 13 Apr 2023 18:24

Instrument :

MSVOA_V

ClientSampleId :

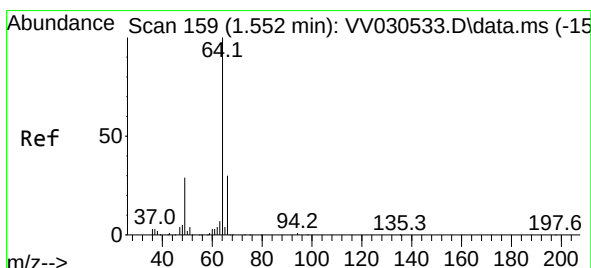
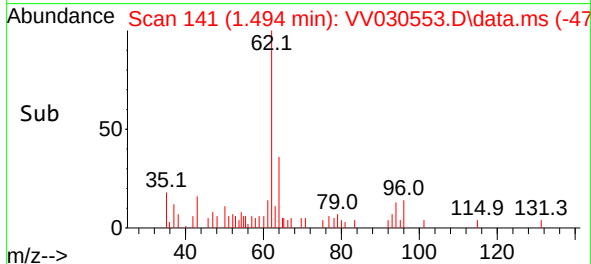
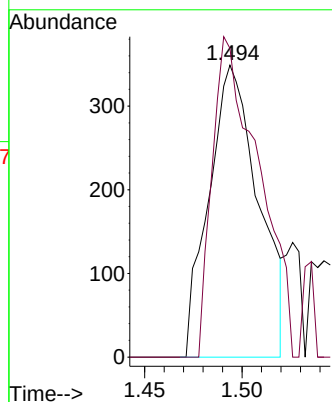
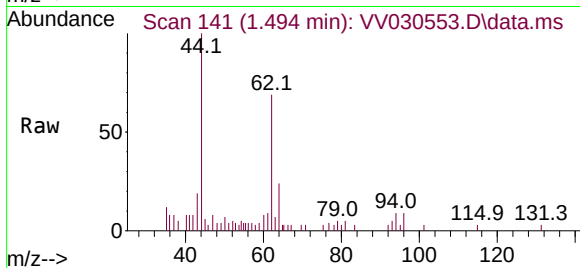
C0AA6

Tgt Ion: 94 Resp: 616

Ion Ratio Lower Upper

94 100

96 105.7 66.1 122.7



#8

Chloroethane

Concen: 0.586 ug/L

RT: 1.552 min Scan# 159

Delta R.T. 0.000 min

Lab File: VV030533.D

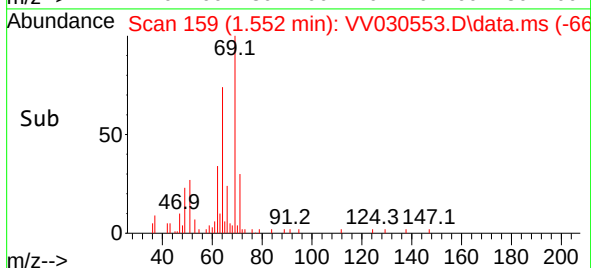
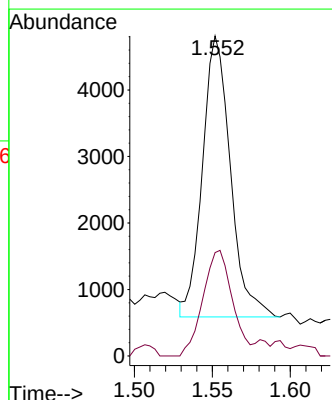
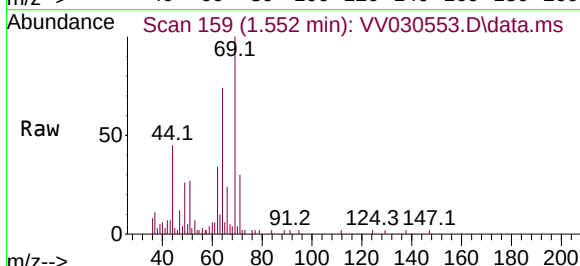
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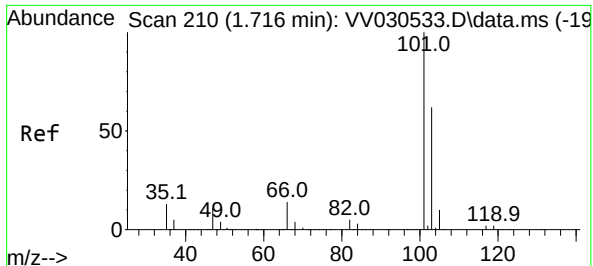
Tgt Ion: 64 Resp: 5268

Ion Ratio Lower Upper

64 100

66 32.3 23.0 42.8

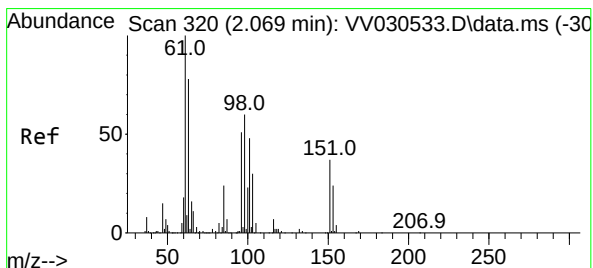
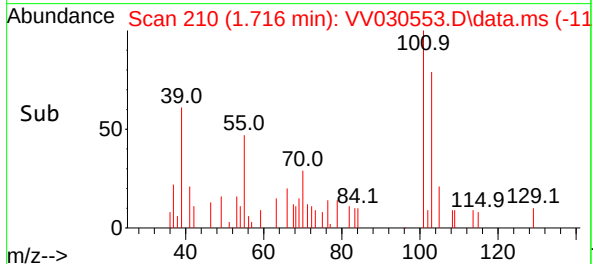
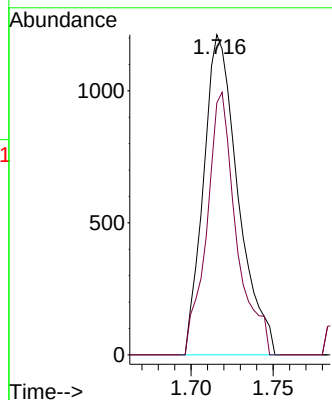
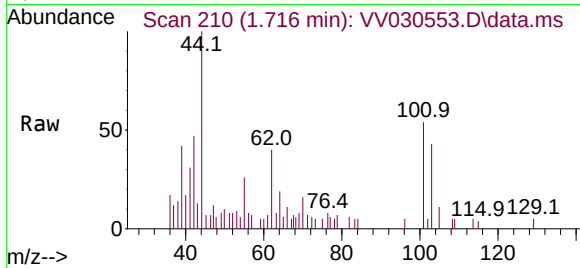




#9
 Trichlorofluoromethane
 Concen: 0.078 ug/L
 RT: 1.716 min Scan# 210
 Delta R.T. 0.000 min
 Lab File: VV030553.D
 Acq: 13 Apr 2023 18:24

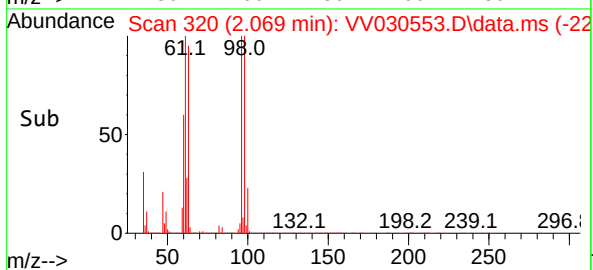
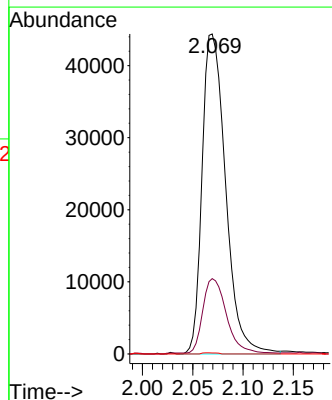
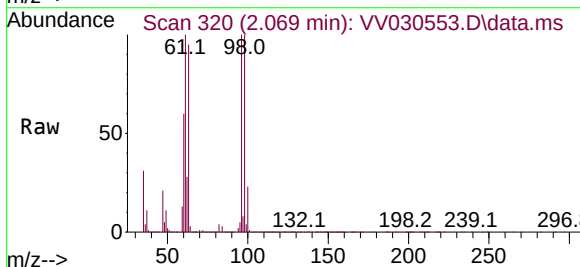
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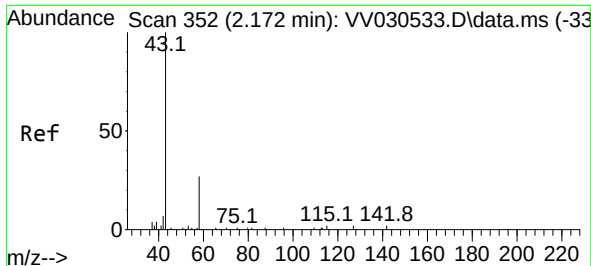
Tgt Ion:101 Resp: 1773
 Ion Ratio Lower Upper
 101 100
 103 70.4 51.0 76.6



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.726 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV030553.D
 Acq: 13 Apr 2023 18:24

Tgt Ion:101 Resp: 72262
 Ion Ratio Lower Upper
 101 100
 85 24.2 38.1 57.1#
 151 0.2 62.7 94.1#

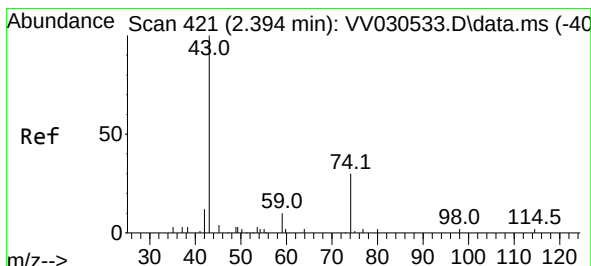
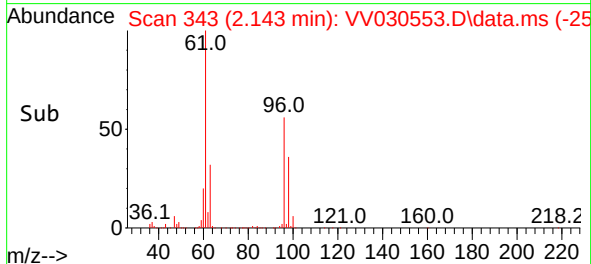
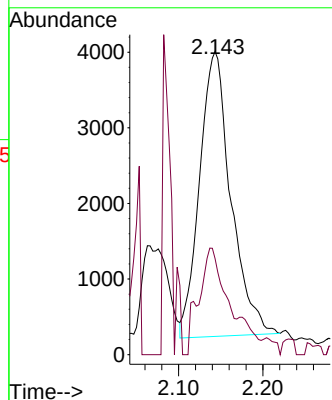
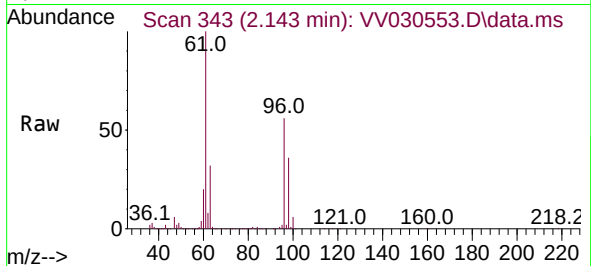




#13
Acetone
Concen: 4.428 ug/L
RT: 2.143 min Scan# 34
Delta R.T. -0.029 min
Lab File: VV030553.D
Acq: 13 Apr 2023 18:24

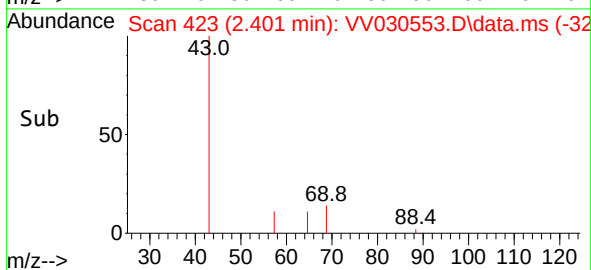
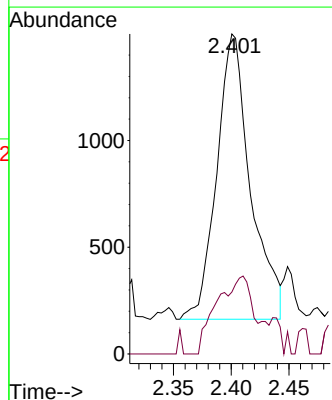
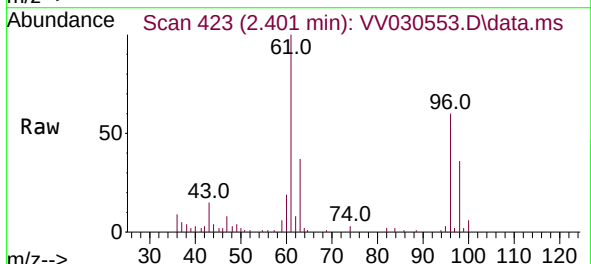
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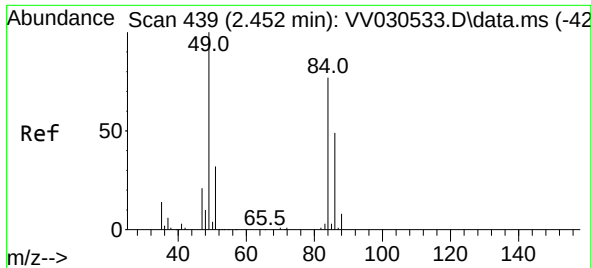
Tgt Ion: 43 Resp: 9721
Ion Ratio Lower Upper
43 100
58 14.9 0.0 40.8



#15
Methyl Acetate
Concen: 0.692 ug/L
RT: 2.401 min Scan# 423
Delta R.T. 0.006 min
Lab File: VV030553.D
Acq: 13 Apr 2023 18:24

Tgt Ion: 43 Resp: 2714
Ion Ratio Lower Upper
43 100
74 29.5 22.1 33.1

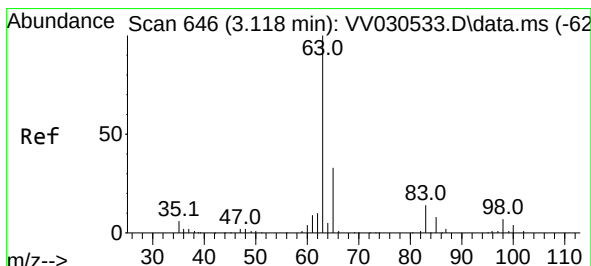
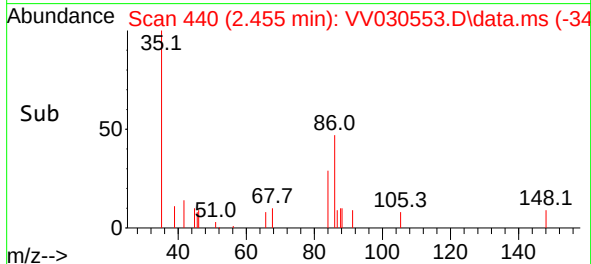
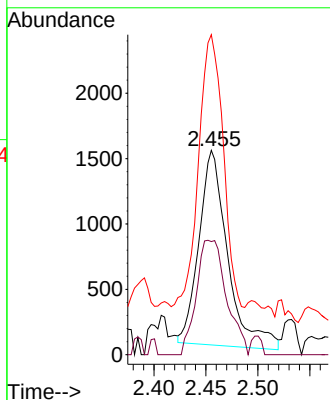
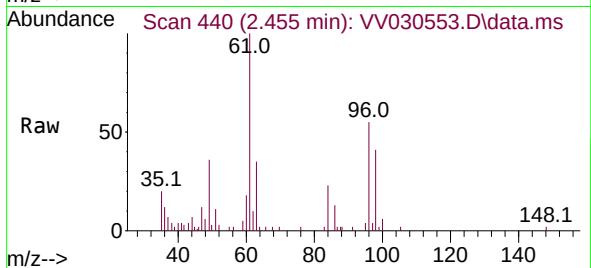




#16
Methylene chloride
Concen: 0.216 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030553.D
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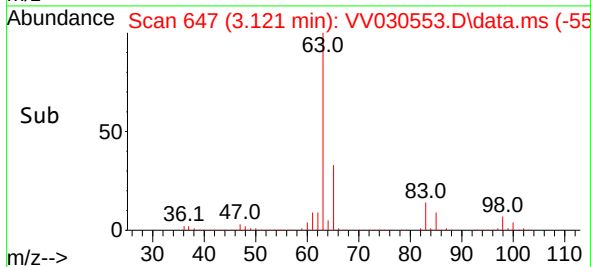
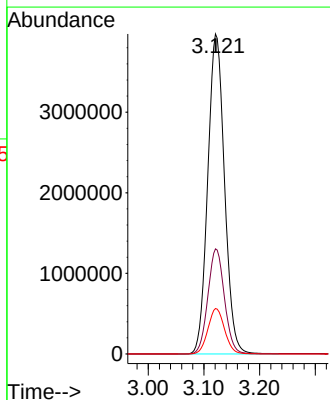
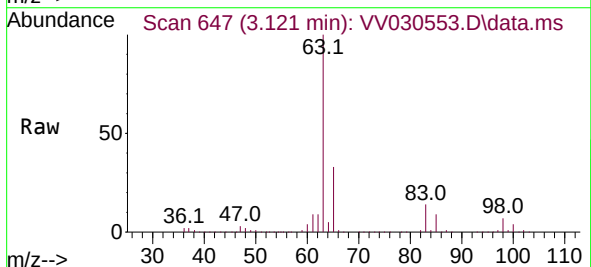
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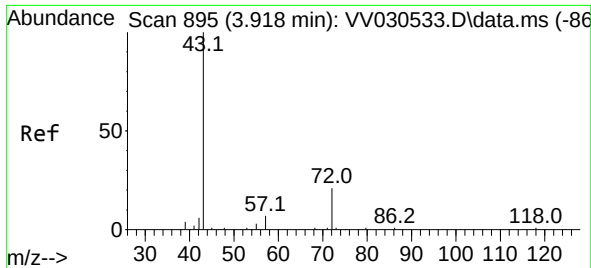
Tgt Ion: 84 Resp: 2867
Ion Ratio Lower Upper
84 100
86 62.8 44.0 81.6
49 168.5 90.6 168.3#



#19
1,1-Dichloroethane
Concen: 362.561 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.003 min
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Tgt Ion: 63 Resp: 8297633
Ion Ratio Lower Upper
63 100
65 32.9 21.7 40.3
83 14.2 9.1 16.9

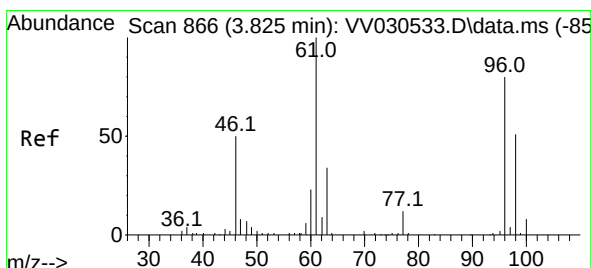
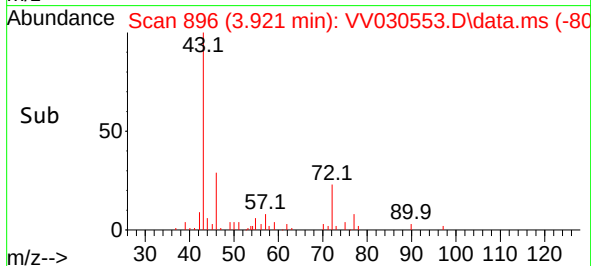
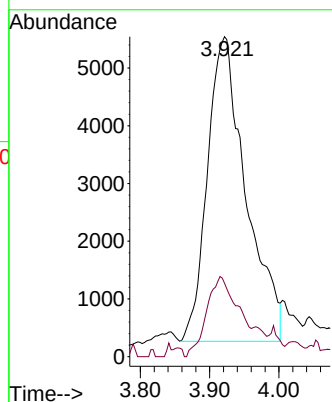
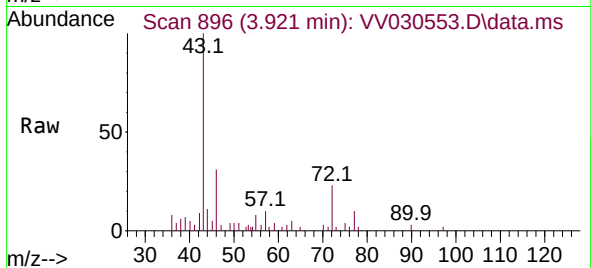




#21
2-Butanone
Concen: 7.392 ug/L
RT: 3.921 min Scan# 895
Delta R.T. 0.003 min
Lab File: VV030553.D
Acq: 13 Apr 2023 18:24

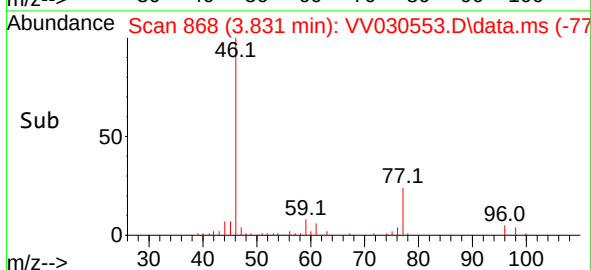
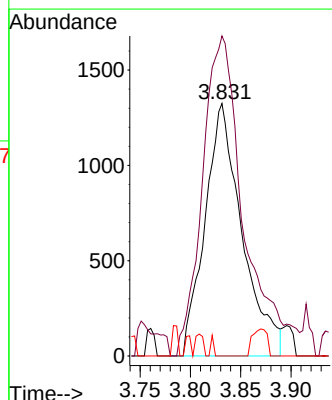
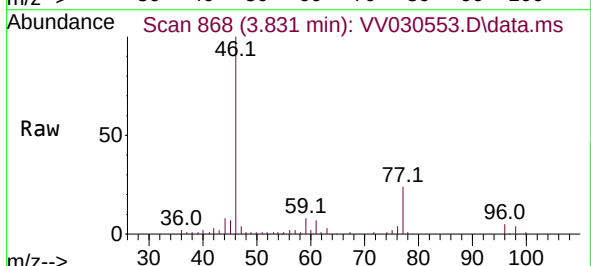
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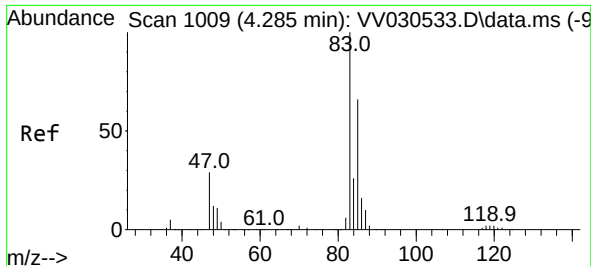
Tgt Ion: 43 Resp: 20426
Ion Ratio Lower Upper
43 100
72 21.5 11.2 33.5



#22
cis-1,2-Dichloroethene
Concen: 0.287 ug/L
RT: 3.831 min Scan# 868
Delta R.T. 0.006 min
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Acq: 13 Apr 2023 18:24

Tgt Ion: 96 Resp: 3399
Ion Ratio Lower Upper
96 100
61 126.7 92.0 170.8
68 0.0 0.0 0.0

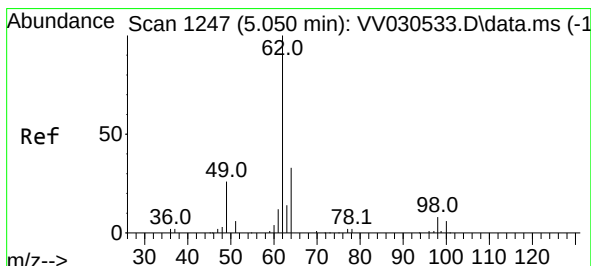
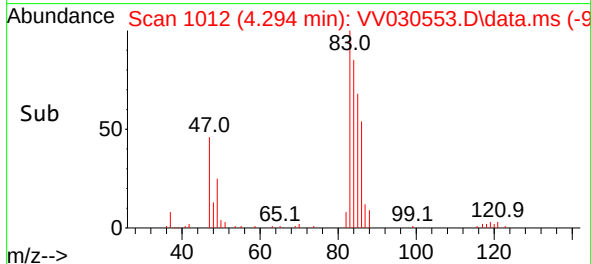
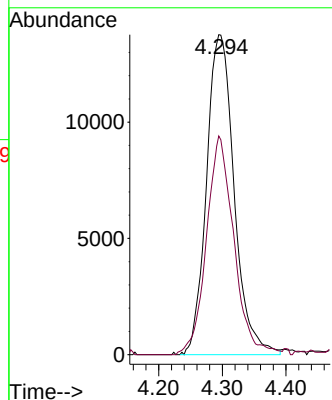
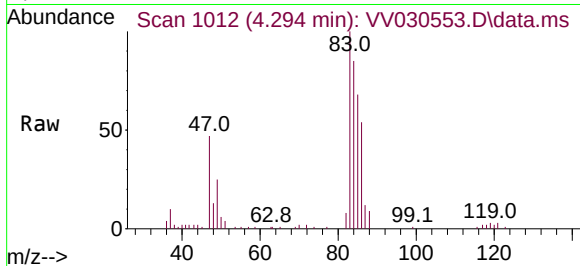




#25
Chloroform
Concen: 1.800 ug/L
RT: 4.294 min Scan# 1009
Delta R.T. 0.010 min
Lab File: VV030553.D
Acq: 13 Apr 2023 18:24

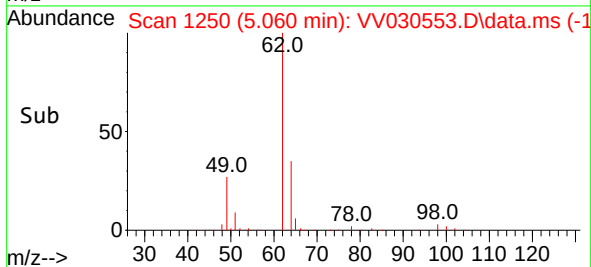
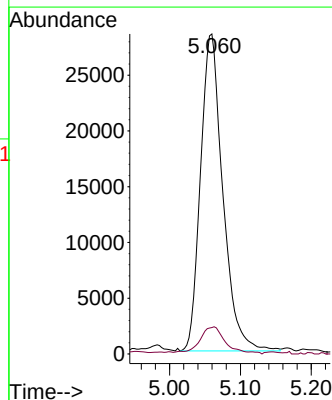
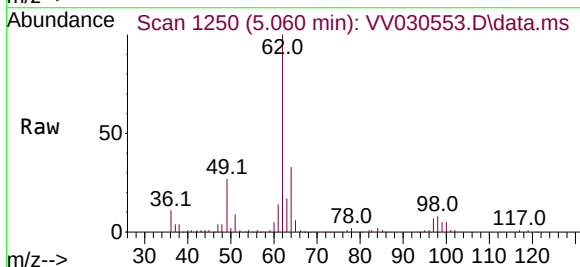
Instrument :
MSVOA_V
ClientSampleId :
C0AA6

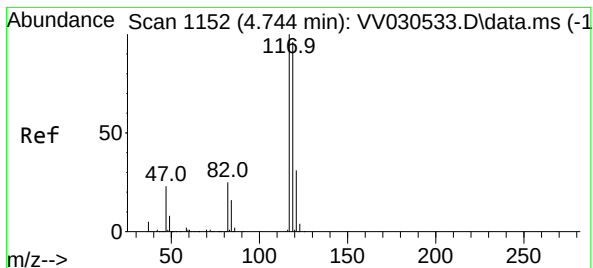
Tgt Ion: 83 Resp: 41627
Ion Ratio Lower Upper
83 100
85 68.3 47.6 88.4



#27
1,2-Dichloroethane
Concen: 4.445 ug/L
RT: 5.060 min Scan# 1250
Delta R.T. 0.010 min
Lab File: VV030553.D
Acq: 13 Apr 2023 18:24

Tgt Ion: 62 Resp: 62162
Ion Ratio Lower Upper
62 100
98 8.3 7.8 11.8





#31

Carbon tetrachloride

Concen: 1108.449 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.151 min

Lab File: VV030553.D

Acq: 13 Apr 2023 18:24

Instrument :

MSVOA_V

ClientSampleId :

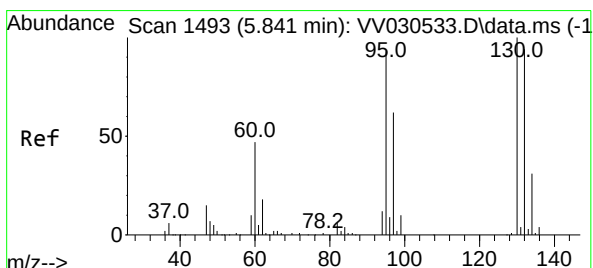
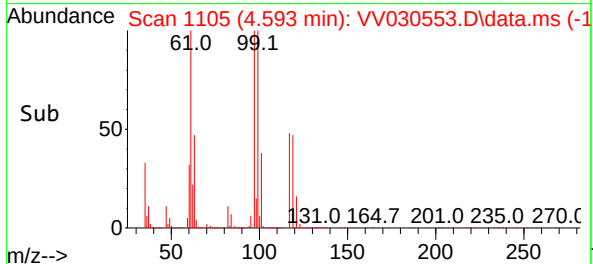
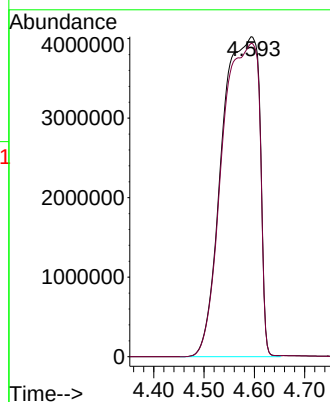
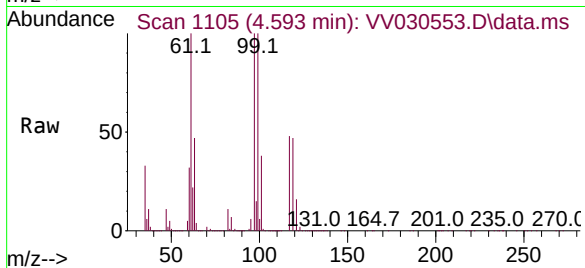
C0AA6

Tgt Ion:117 Resp:20824097

Ion Ratio Lower Upper

117 100

119 97.3 76.2 114.4



#34

Trichloroethene

Concen: 59.107 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VV030553.D

Acq: 13 Apr 2023 18:24

Tgt Ion: 95 Resp: 729367

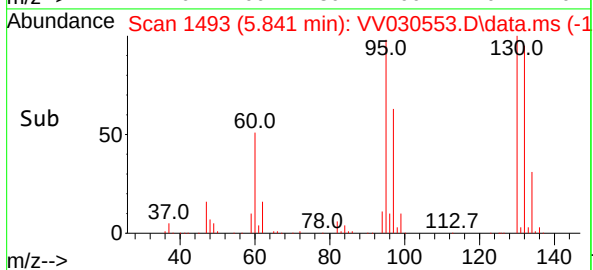
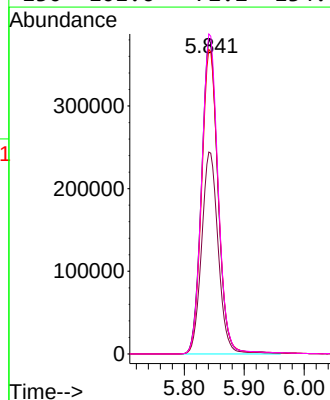
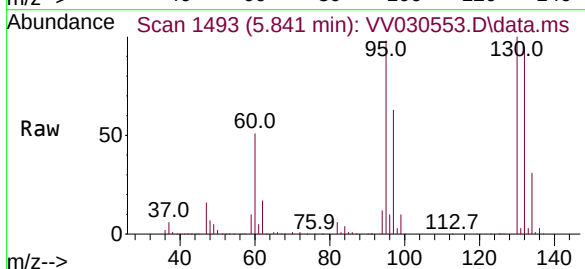
Ion Ratio Lower Upper

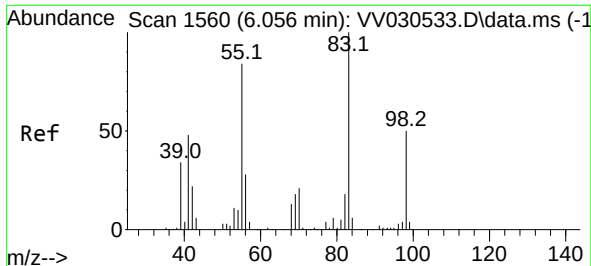
95 100

97 64.1 44.2 82.2

132 96.6 69.5 129.1

130 101.6 72.2 134.0

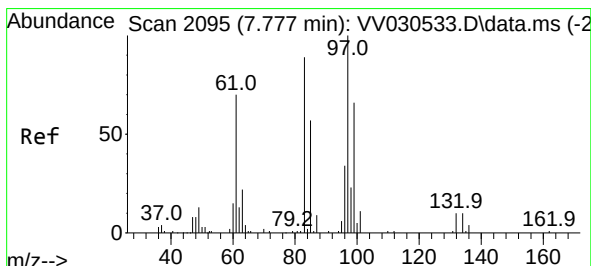
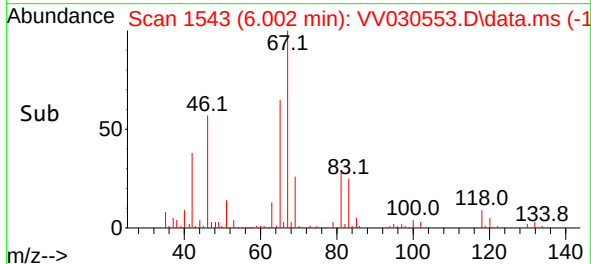
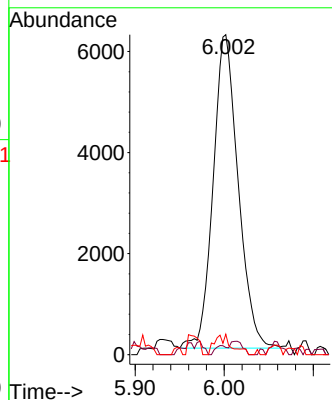
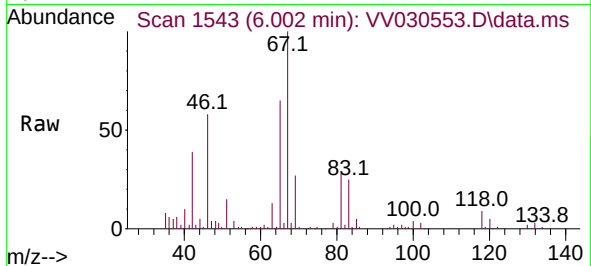




#35
Methylcyclohexane
Concen: 0.626 ug/L
RT: 6.002 min Scan# 11
Delta R.T. -0.055 min
Lab File: VV030553.D
Acq: 13 Apr 2023 18:24

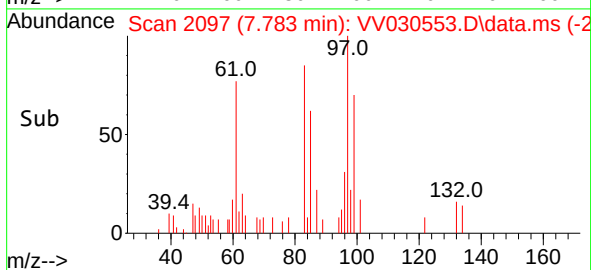
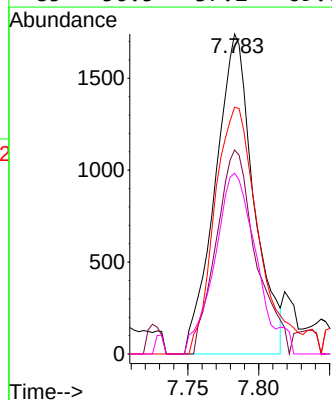
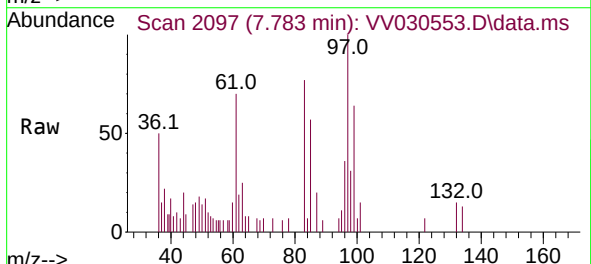
Instrument :
MSVOA_V
ClientSampleId :
C0AA6

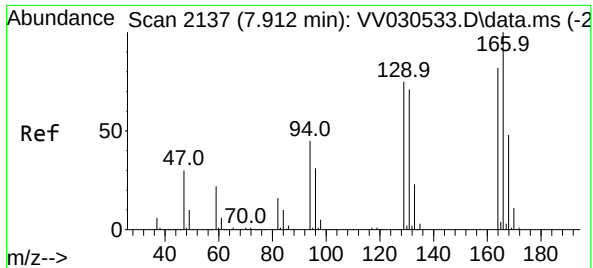
Tgt Ion: 83 Resp: 12129
Ion Ratio Lower Upper
83 100
55 1.4 66.6 100.0#
98 0.0 38.6 58.0#



#45
1,1,2-Trichloroethane
Concen: 0.398 ug/L
RT: 7.783 min Scan# 2097
Delta R.T. 0.006 min
Lab File: VV030553.D
Acq: 13 Apr 2023 18:24

Tgt Ion: 97 Resp: 3288
Ion Ratio Lower Upper
97 100
99 63.8 44.0 81.8
83 77.1 58.8 109.2
85 56.5 37.2 69.0

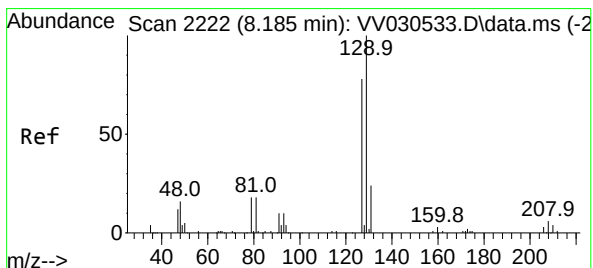
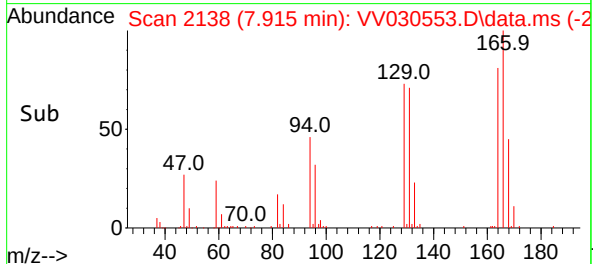
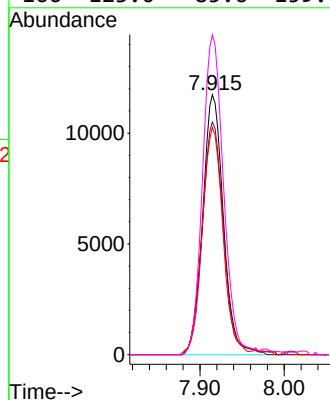
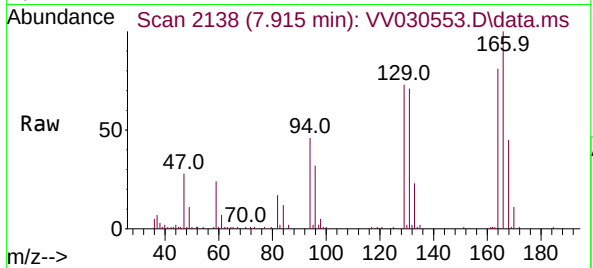




#47
Tetrachloroethene
Concen: 1.854 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030553.D
Acq: 13 Apr 2023 18:24

Instrument :
MSVOA_V
ClientSampleId :
C0AA6

Tgt Ion:164	Resp:	20189
Ion Ratio	Lower	Upper
164	100	
129	89.5	60.8 112.8
131	87.3	61.7 114.7
166	123.0	85.6 159.0



#49
Dibromochloromethane
Concen: 1.825 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. -0.270 min
Lab File: VV030553.D
Acq: 13 Apr 2023 18:24

Tgt Ion:129	Resp:	17963
Ion Ratio	Lower	Upper
129	100	
127	0.0	52.7 97.9#

