

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041323\
 Data File : VW030557.D
 Acq On : 13 Apr 2023 20:03
 Operator : SY/MD
 Sample : 02254-20
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AD3

Quant Time: Apr 14 05:24:50 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	5.545	114	116410	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.796	117	111639	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	51945	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	46100	5.979	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	119.600%
7) Chloroethane-d5	1.535	69	37158	4.966	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.400%
11) 1,1-Dichloroethene-d2	2.072	63	4927734	269.349	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	5387.000%#
20) 2-Butanone-d5	3.815	46	89684	45.005	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.000%
24) Chloroform-d	4.265	84	78819	4.224	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
26) 1,2-Dichloroethane-d4	4.957	65	43328	4.921	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
32) Benzene-d6	4.973	84	142379	4.526	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
36) 1,2-Dichloropropane-d6	5.998	67	44914	4.560	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.200%
41) Toluene-d8	7.252	98	114405	3.960	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.200%
43) trans-1,3-Dichloroprop...	7.564	79	14816	3.995	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.000%
46) 2-Hexanone-d5	8.034	63	65120	43.702	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.400%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	33001	4.251	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.000%
66) 1,2-Dichlorobenzene-d4	11.570	152	41794	4.502	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	8084	0.433	ug/L	98
5) Vinyl chloride	1.285	62	5460	0.401	ug/L #	81
6) Bromomethane	1.494	94	865	0.223	ug/L	92
9) Trichlorofluoromethane	1.719	101	18936	0.954	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	18968	1.732	ug/L #	32
12) 1,1-Dichloroethene	2.072	96	7525612	773.714	ug/L #	62
13) Acetone	2.137	43	7786	4.086	ug/L	83
15) Methyl Acetate	2.397	43	1660	0.487	ug/L #	84
19) 1,1-Dichloroethane	3.121	63	1203520	60.585	ug/L	98
25) Chloroform	4.288	83	13358	0.665	ug/L	89
27) 1,2-Dichloroethane	5.059	62	13763	1.134	ug/L	98
31) Carbon tetrachloride	4.545	117	6073905	373.062	ug/L	99
34) Trichloroethene	5.844	95	92603	8.659	ug/L	97
35) Methylcyclohexane	6.002	83	11984	0.714	ug/L #	18
45) 1,1,2-Trichloroethane	7.783	97	1586	0.221	ug/L #	84
47) Tetrachloroethene	7.918	164	4741	0.502	ug/L	95
49) Dibromochloromethane	7.915	129	4485	0.526	ug/L #	12
68) 1,2-Dibromo-3-chloropr...	12.403	75	259	0.224	ug/L #	3

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Quant Time: Apr 14 05:24:50 2023
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Apr 14 05:16:37 2023
Response via : Initial Calibration

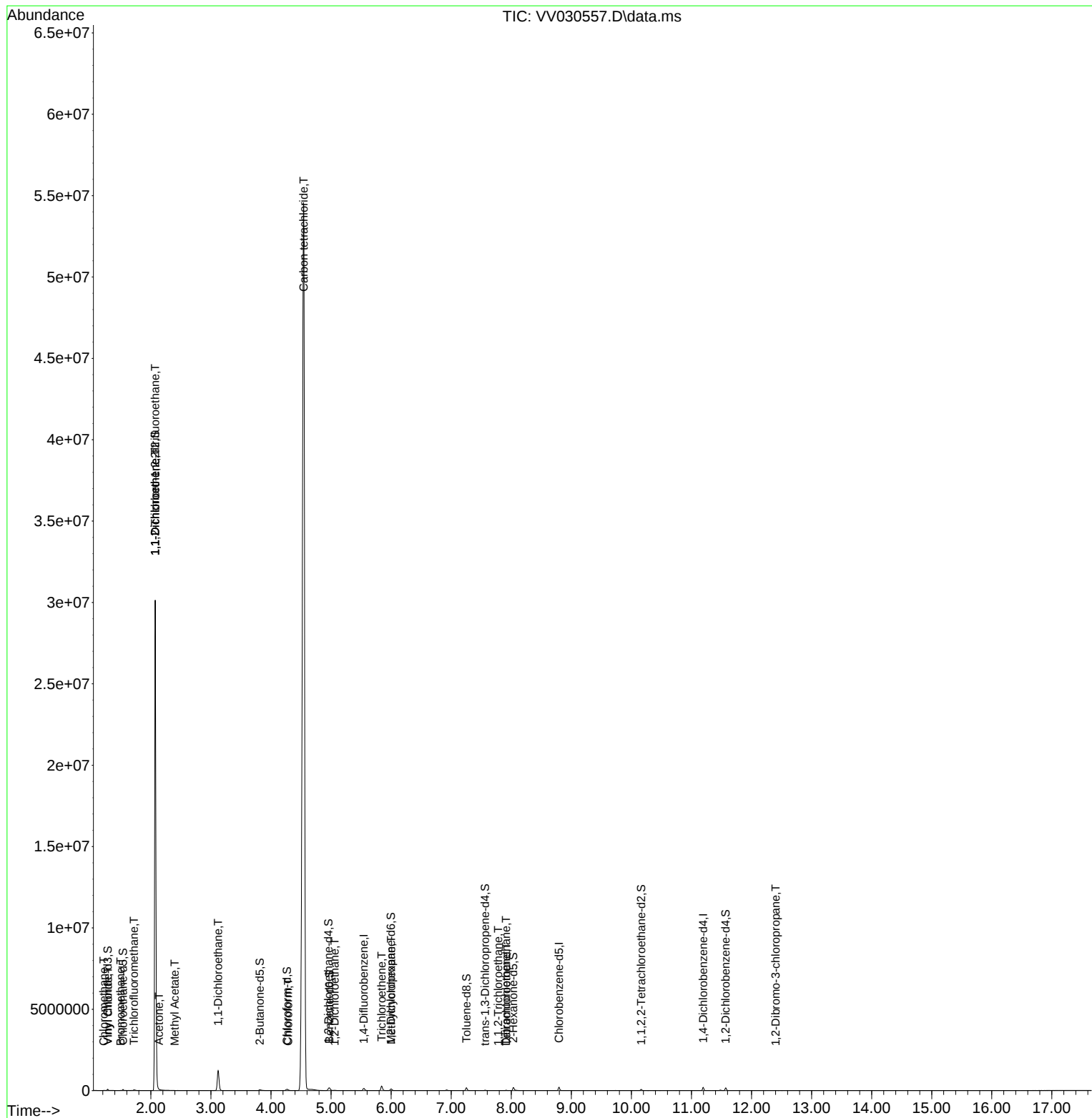
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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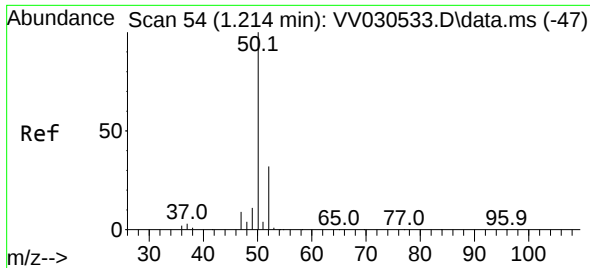
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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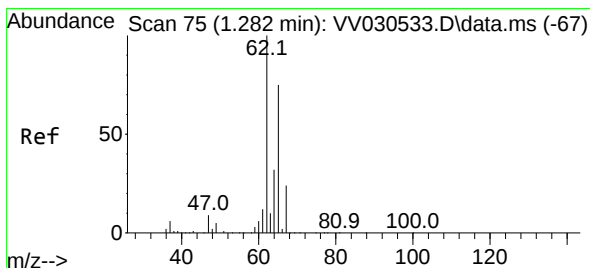
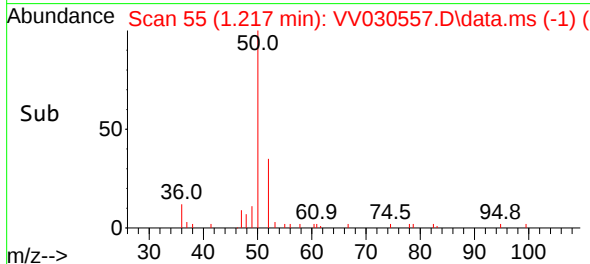
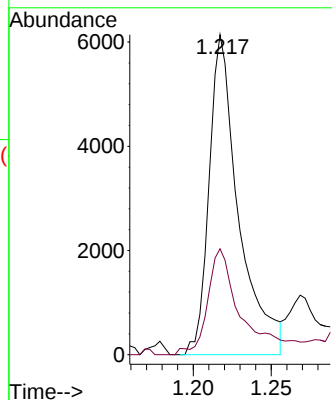
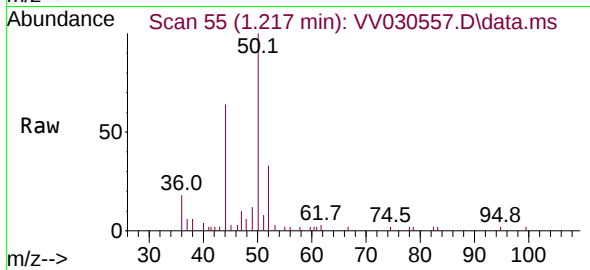




#3
Chloromethane
Concen: 0.433 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV030557.D
Acq: 13 Apr 2023 20:03

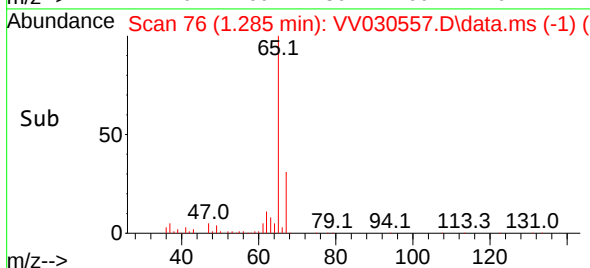
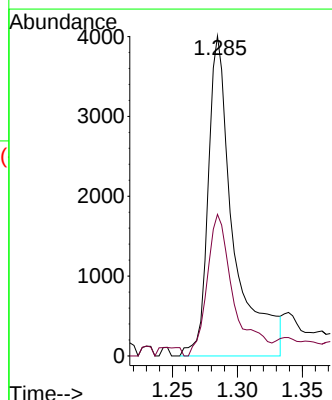
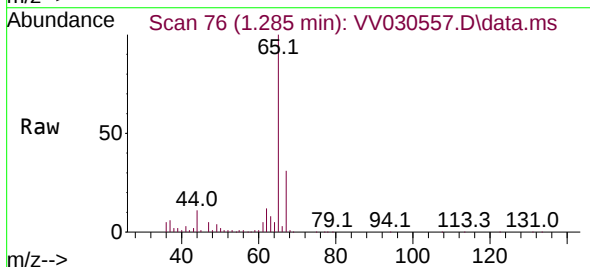
Instrument :
MSVOA_V
ClientSampleId :
C0AD3

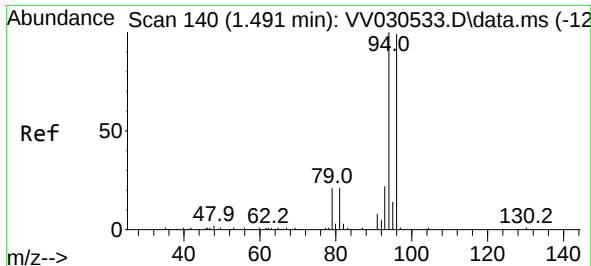
Tgt Ion: 50 Resp: 8084
Ion Ratio Lower Upper
50 100
52 33.1 22.3 41.5



#5
Vinyl chloride
Concen: 0.401 ug/L
RT: 1.285 min Scan# 76
Delta R.T. 0.003 min
Lab File: VV030557.D
Acq: 13 Apr 2023 20:03

Tgt Ion: 62 Resp: 5460
Ion Ratio Lower Upper
62 100
64 44.2 23.2 43.2#

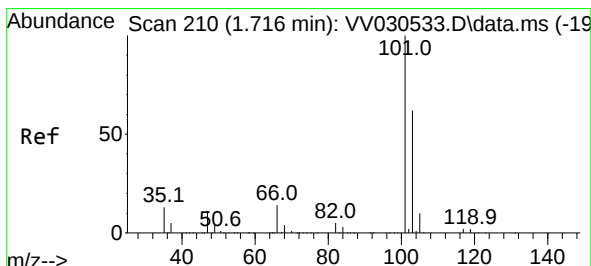
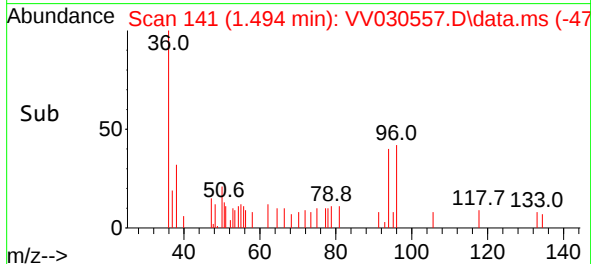
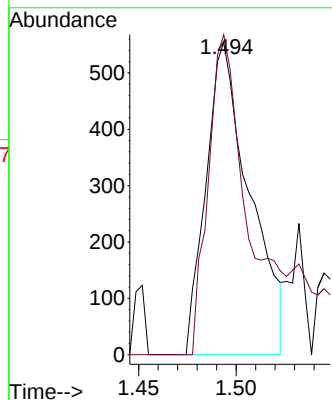
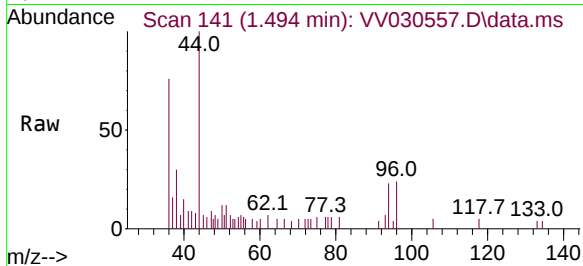




#6
Bromomethane
Concen: 0.223 ug/L
RT: 1.494 min Scan# 140
Delta R.T. 0.003 min
Lab File: VV030557.D
Acq: 13 Apr 2023 20:03

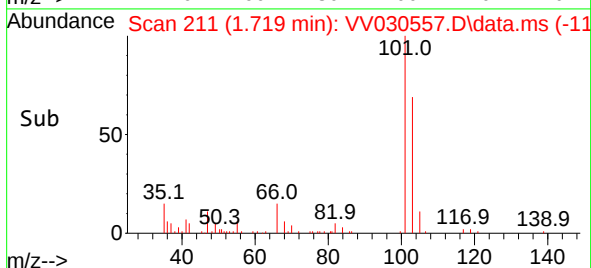
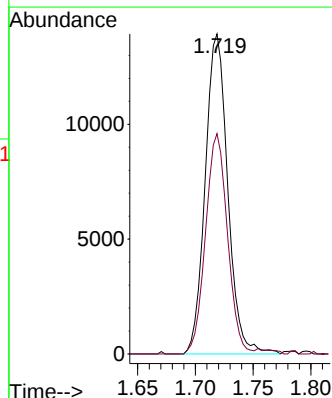
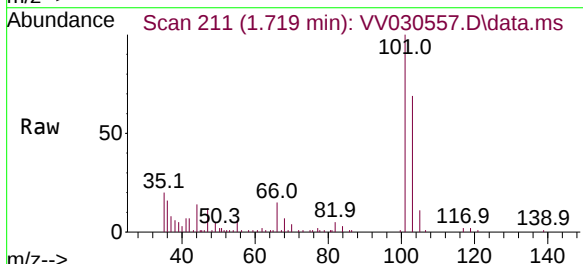
Instrument :
MSVOA_V
ClientSampleId :
C0AD3

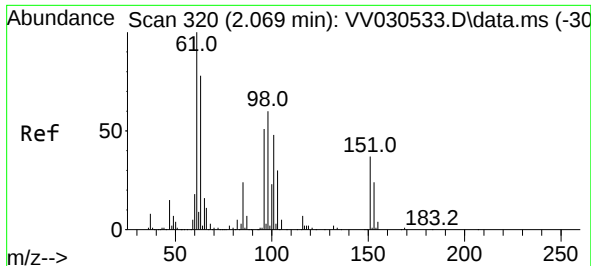
Tgt Ion: 94 Resp: 865
Ion Ratio Lower Upper
94 100
96 102.5 66.1 122.7



#9
Trichlorofluoromethane
Concen: 0.954 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV030557.D
Acq: 13 Apr 2023 20:03

Tgt Ion: 101 Resp: 18936
Ion Ratio Lower Upper
101 100
103 67.0 51.0 76.6

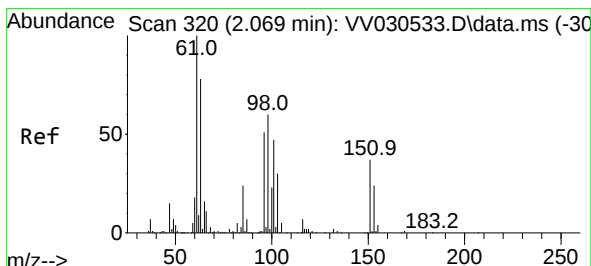
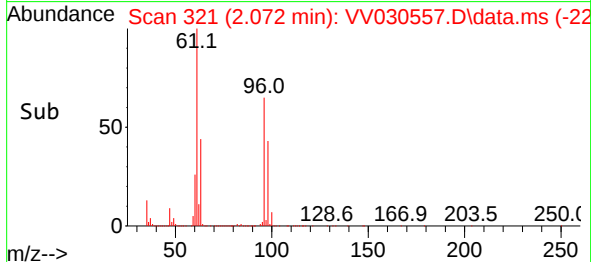
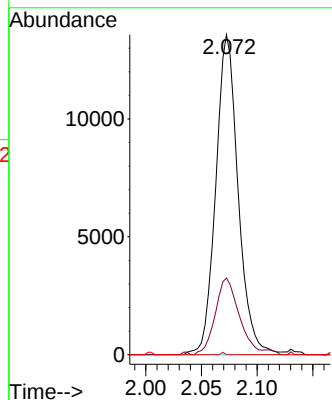
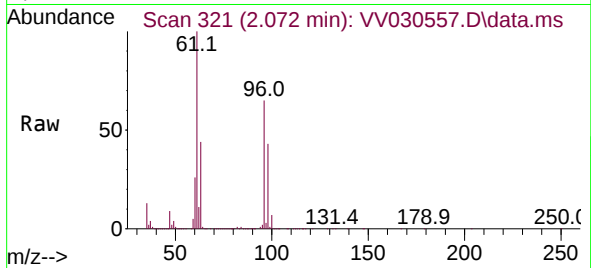




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.732 ug/L
RT: 2.072 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV030557.D
Acq: 13 Apr 2023 20:03

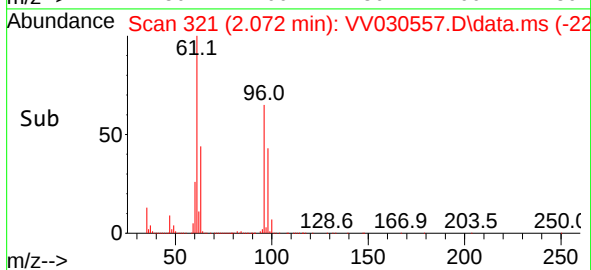
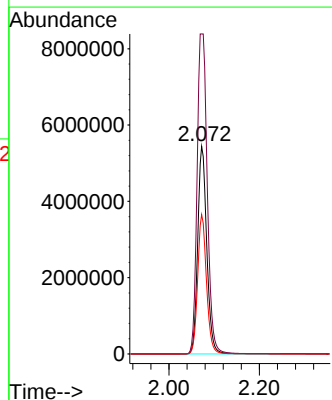
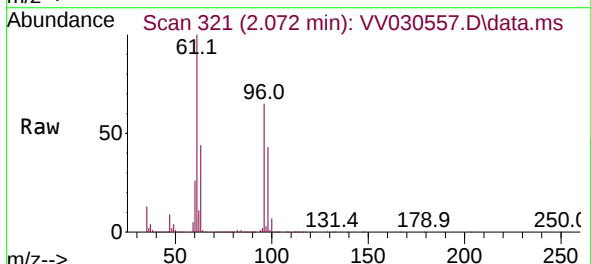
Instrument :
MSVOA_V
ClientSampleId :
C0AD3

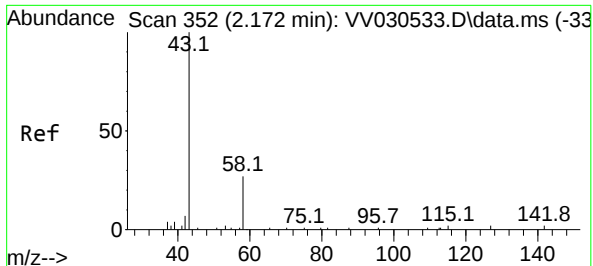
Tgt Ion:101 Resp: 18968
Ion Ratio Lower Upper
101 100
85 26.2 38.1 57.1#
151 0.1 62.7 94.1#



#12
1,1-Dichloroethene
Concen: 773.714 ug/L
RT: 2.072 min Scan# 321
Delta R.T. 0.003 min
Lab File: VV030557.D
Acq: 13 Apr 2023 20:03

Tgt Ion: 96 Resp: 7525612
Ion Ratio Lower Upper
96 100
61 154.1 136.3 253.1
63 67.1 92.1 171.1#





#13

Acetone

Concen: 4.086 ug/L

RT: 2.137 min Scan# 341

Delta R.T. -0.035 min

Lab File: VV030557.D

Acq: 13 Apr 2023 20:03

Instrument :

MSVOA_V

ClientSampleId :

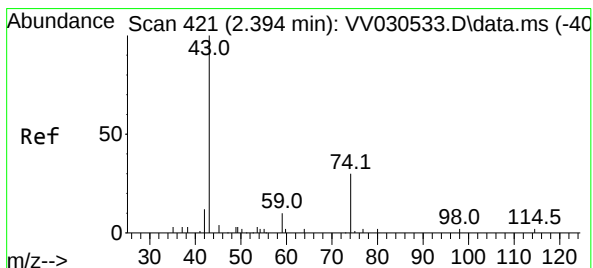
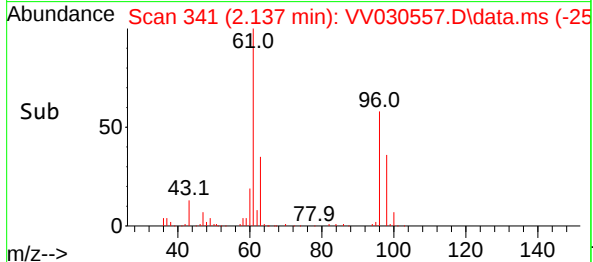
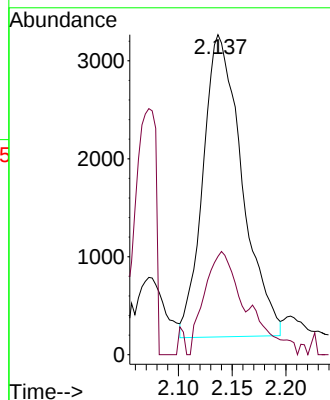
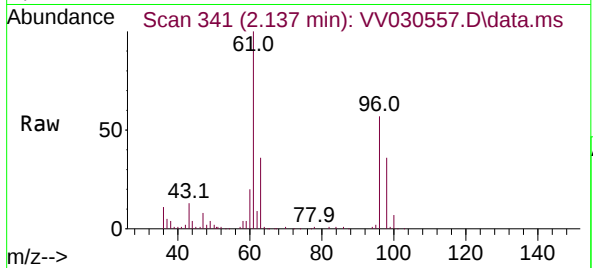
C0AD3

Tgt Ion: 43 Resp: 7786

Ion Ratio Lower Upper

43 100

58 28.4 0.0 40.8



#15

Methyl Acetate

Concen: 0.487 ug/L

RT: 2.397 min Scan# 422

Delta R.T. 0.003 min

Lab File: VV030557.D

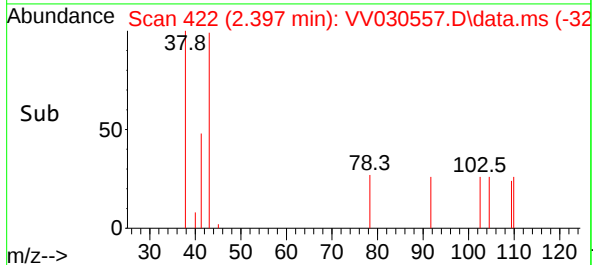
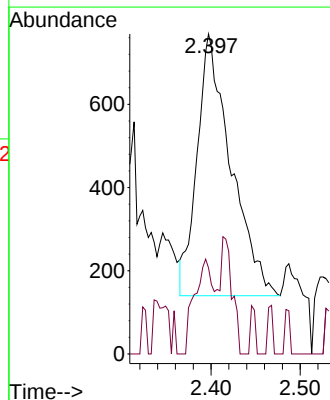
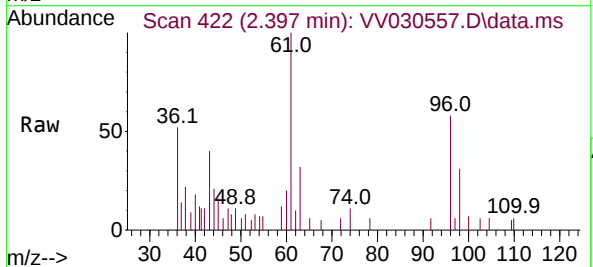
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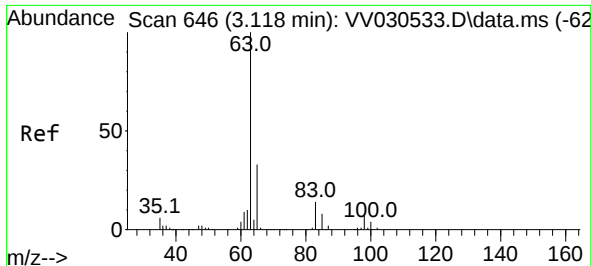
Tgt Ion: 43 Resp: 1660

Ion Ratio Lower Upper

43 100

74 19.3 22.1 33.1#





#19

1,1-Dichloroethane

Concen: 60.585 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030557.D

Acq: 13 Apr 2023 20:03

Instrument :

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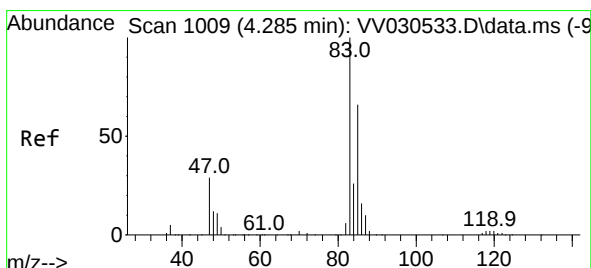
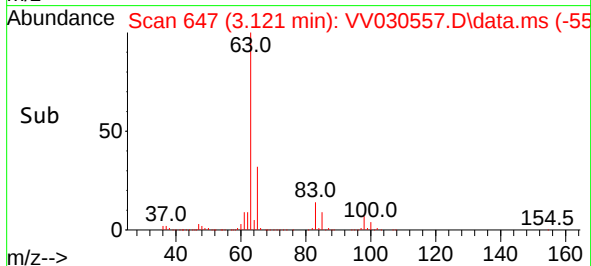
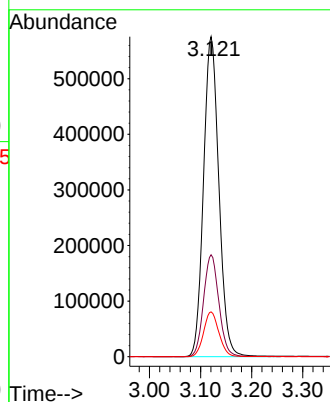
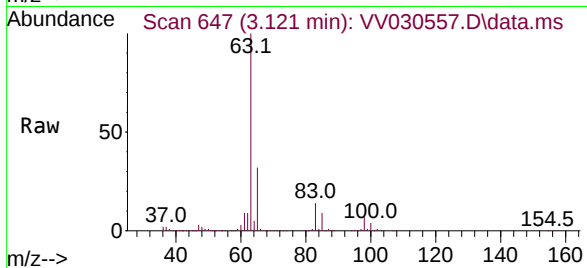
Tgt Ion: 63 Resp: 1203520

Ion Ratio Lower Upper

63 100

65 31.9 21.7 40.3

83 14.0 9.1 16.9



#25

Chloroform

Concen: 0.665 ug/L

RT: 4.288 min Scan# 1010

Delta R.T. 0.003 min

Lab File: VV030557.D

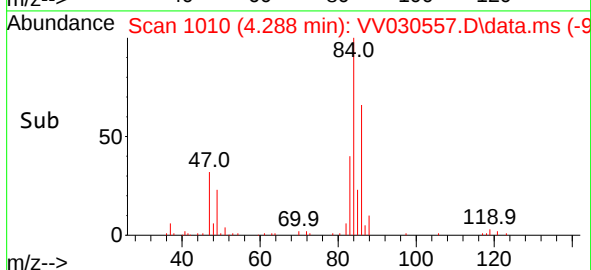
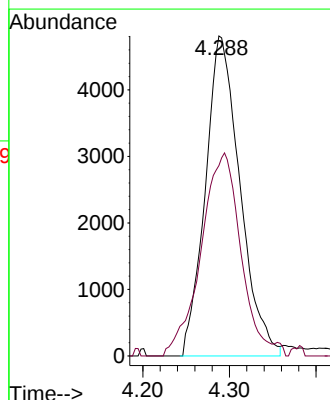
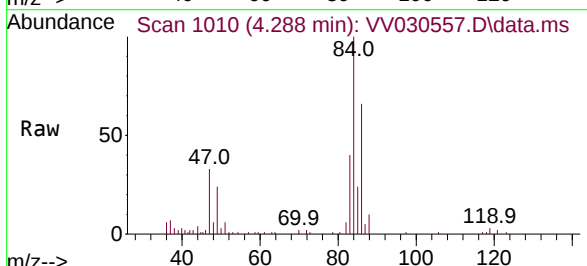
Acq: 13 Apr 2023 20:03

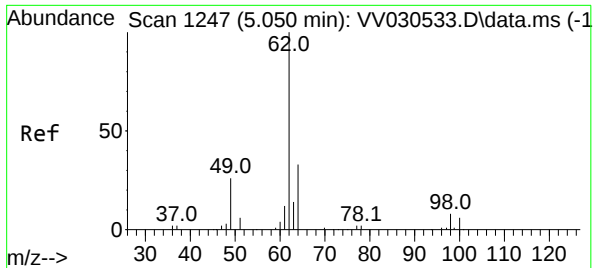
Tgt Ion: 83 Resp: 13358

Ion Ratio Lower Upper

83 100

85 59.5 47.6 88.4





#27

1,2-Dichloroethane

Concen: 1.134 ug/L

RT: 5.059 min Scan# 11

Delta R.T. 0.010 min

Lab File: VV030557.D

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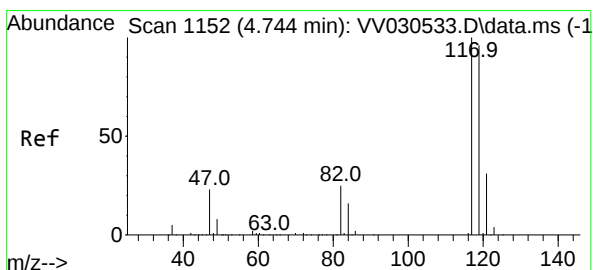
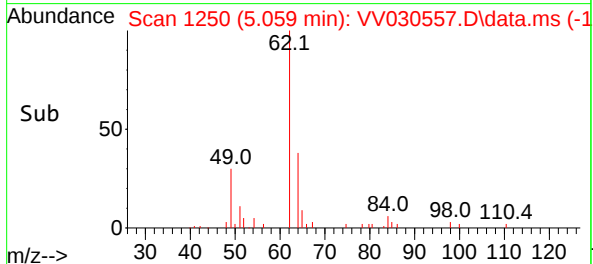
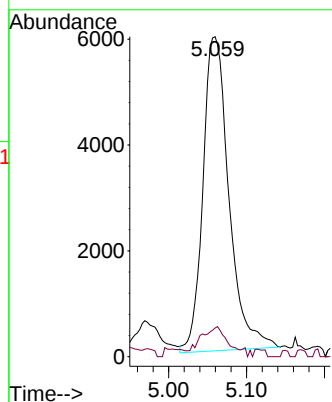
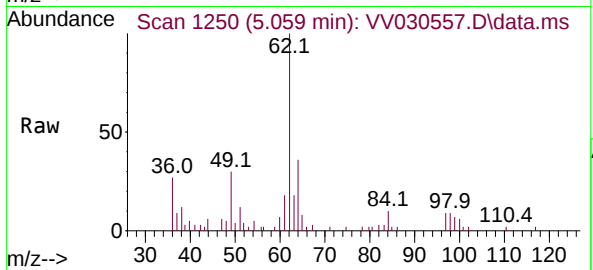
C0AD3

Tgt Ion: 62 Resp: 13763

Ion Ratio Lower Upper

62 100

98 8.9 7.8 11.8



#31

Carbon tetrachloride

Concen: 373.062 ug/L

RT: 4.545 min Scan# 1090

Delta R.T. -0.199 min

Lab File: VV030557.D

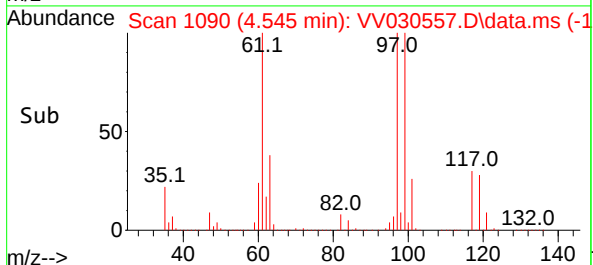
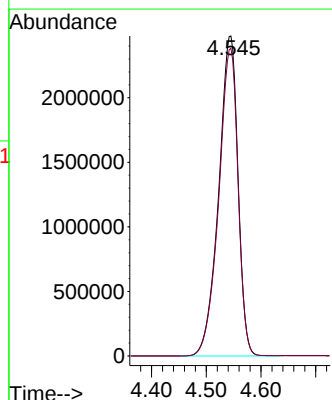
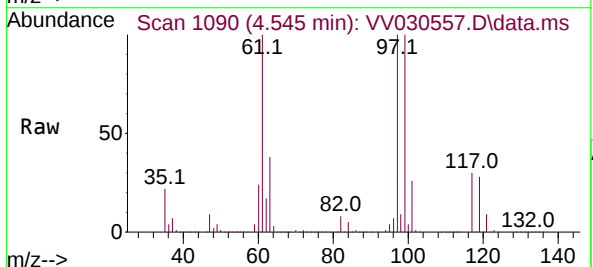
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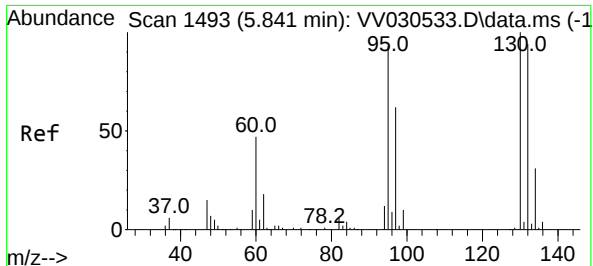
Tgt Ion: 117 Resp: 6073905

Ion Ratio Lower Upper

117 100

119 96.0 76.2 114.4

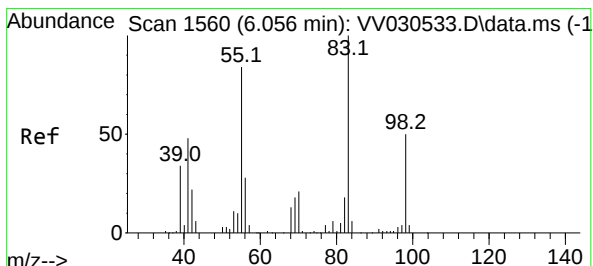
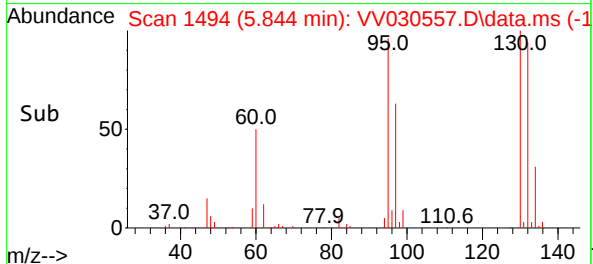
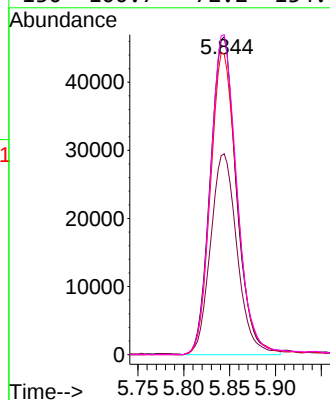
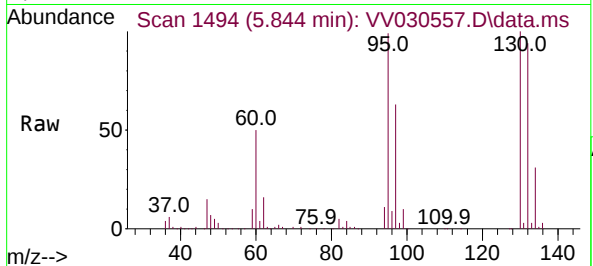




#34
Trichloroethene
Concen: 8.659 ug/L
RT: 5.844 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV030557.D
Acq: 13 Apr 2023 20:03

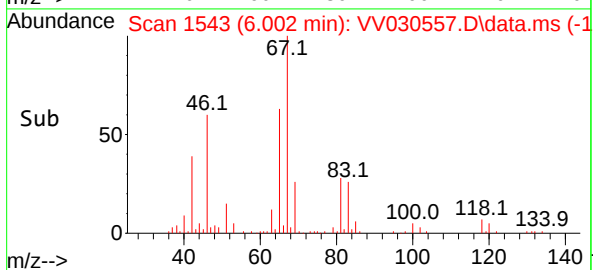
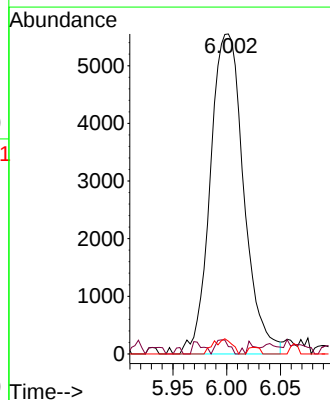
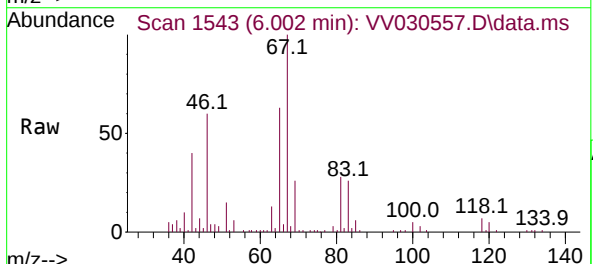
Instrument :
MSVOA_V
ClientSampleId :
C0AD3

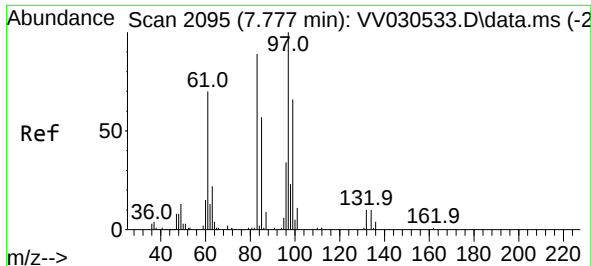
Tgt Ion: 95 Resp: 92603
Ion Ratio Lower Upper
95 100
97 63.2 44.2 82.2
132 94.7 69.5 129.1
130 100.7 72.2 134.0



#35
Methylcyclohexane
Concen: 0.714 ug/L
RT: 6.002 min Scan# 1543
Delta R.T. -0.055 min
Lab File: VV030557.D
Acq: 13 Apr 2023 20:03

Tgt Ion: 83 Resp: 11984
Ion Ratio Lower Upper
83 100
55 1.8 66.6 100.0#
98 2.6 38.6 58.0#



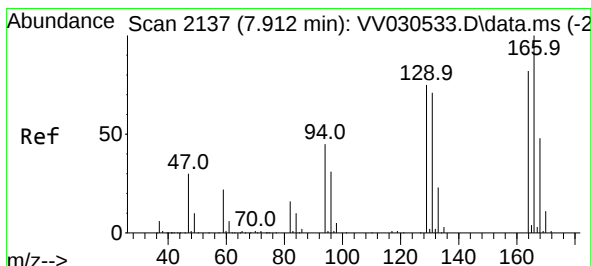
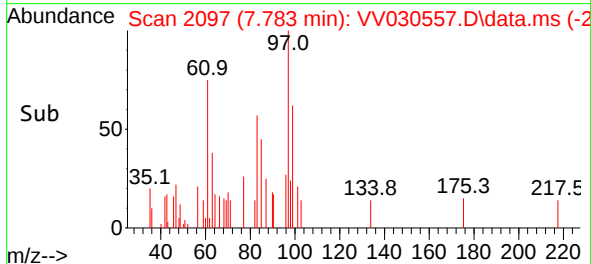
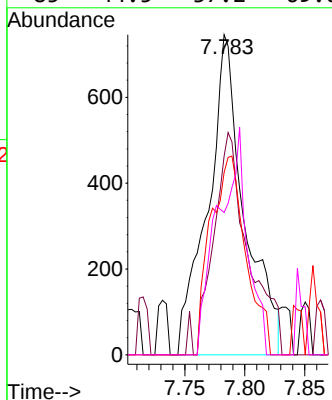
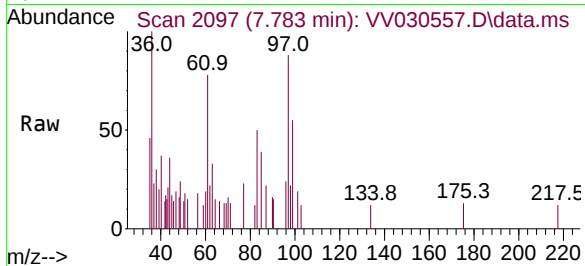


#45
1,1,2-Trichloroethane
Concen: 0.221 ug/L
RT: 7.783 min Scan# 2095
Delta R.T. 0.006 min
Lab File: VV030557.D
Acq: 13 Apr 2023 20:03

Instrument :
MSVOA_V
ClientSampleId :
C0AD3

Tgt Ion: 97 Resp: 1586

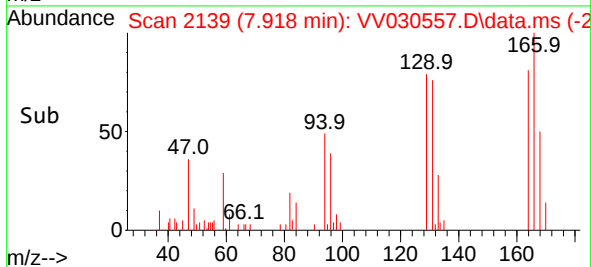
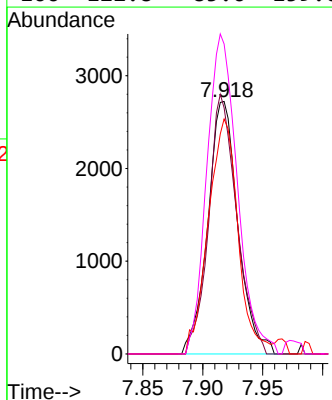
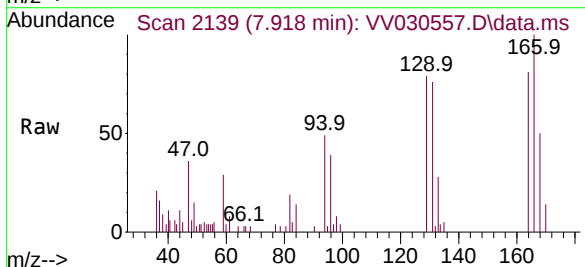
Ion	Ratio	Lower	Upper
97	100		
99	62.1	44.0	81.8
83	57.0	58.8	109.2#
85	44.5	37.2	69.0

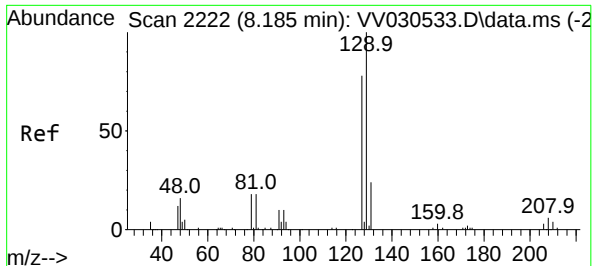


#47
Tetrachloroethene
Concen: 0.502 ug/L
RT: 7.918 min Scan# 2139
Delta R.T. 0.006 min
Lab File: VV030557.D
Acq: 13 Apr 2023 20:03

Tgt Ion: 164 Resp: 4741

Ion	Ratio	Lower	Upper
164	100		
129	97.4	60.8	112.8
131	93.1	61.7	114.7
166	122.8	85.6	159.0





#49

Dibromochloromethane

Concen: 0.526 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. -0.270 min

Lab File: VV030557.D

Acq: 13 Apr 2023 20:03

Instrument :

MSVOA_V

ClientSampleId :

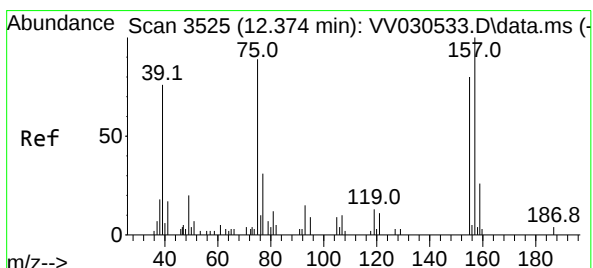
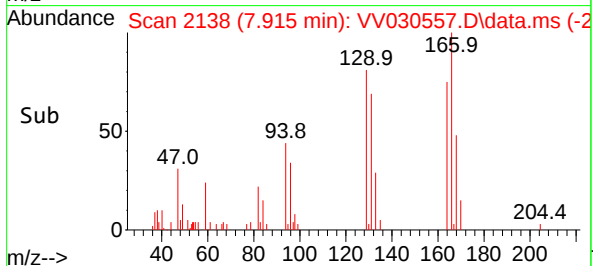
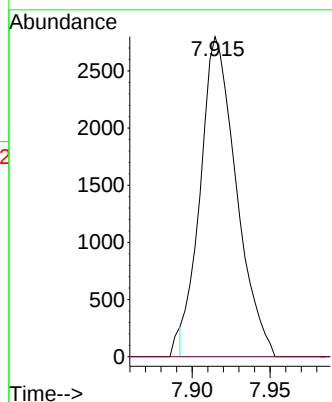
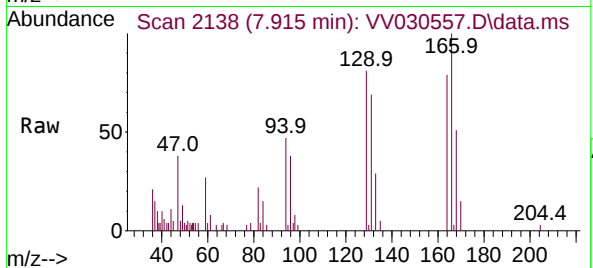
C0AD3

Tgt Ion:129 Resp: 4485

Ion Ratio Lower Upper

129 100

127 0.0 52.7 97.9#



#68

1,2-Dibromo-3-chloropropane

Concen: 0.224 ug/L

RT: 12.403 min Scan# 3534

Delta R.T. 0.029 min

Lab File: VV030557.D

Acq: 13 Apr 2023 20:03

Tgt Ion: 75 Resp: 259

Ion Ratio Lower Upper

75 100

155 0.0 64.6 96.8#

157 0.0 83.8 125.6#

