

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040723\
 Data File : VV030447.D
 Acq On : 07 Apr 2023 16:56
 Operator : SY/MD
 Sample : 02225-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AB1

Quant Time: Apr 10 03:58:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Apr 10 03:52:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	145645	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	140577	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	68329	5.000	ug/L	0.00

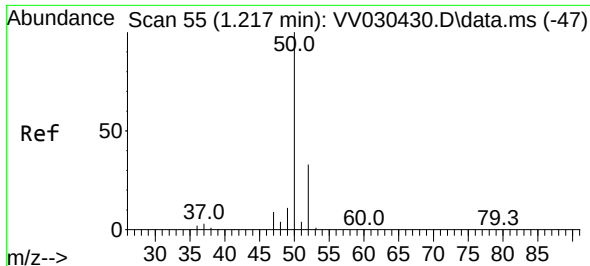
System Monitoring Compounds

4) Vinyl Chloride-d3	1.282	65	31463	3.262	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.200%
7) Chloroethane-d5	1.539	69	33752	3.606	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.200%
11) 1,1-Dichloroethene-d2	2.076	63	1684132	73.576	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	1471.600%#
20) 2-Butanone-d5	3.812	46	94567	37.929	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.860%
24) Chloroform-d	4.262	84	89300	3.825	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.400%
26) 1,2-Dichloroethane-d4	4.953	65	46332	4.206	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
32) Benzene-d6	4.969	84	162475	4.102	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.000%
36) 1,2-Dichloropropane-d6	5.998	67	49778	4.014	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.200%
41) Toluene-d8	7.252	98	132805	3.651	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.000%
43) trans-1,3-Dichloroprop...	7.561	79	16665	3.569	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.400%
46) 2-Hexanone-d5	8.034	63	66318	35.345	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.680%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	35803	3.663	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	73.200%
66) 1,2-Dichlorobenzene-d4	11.570	152	52476	4.297	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.000%

Target Compounds

						Qvalue
3) Chloromethane	1.217	50	3084	0.132	ug/L	93
5) Vinyl chloride	1.285	62	1180	0.069	ug/L #	20
6) Bromomethane	1.497	94	504	0.104	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	7083	0.517	ug/L #	32
12) 1,1-Dichloroethene	2.076	96	2733396	224.614	ug/L #	69
13) Acetone	2.140	43	4187	1.756	ug/L	90
19) 1,1-Dichloroethane	3.121	63	223604	8.997	ug/L	98
27) 1,2-Dichloroethane	5.056	62	6522	0.429	ug/L #	86
29) 1,1,1-Trichloroethane	4.529	97	15014748	664.524	ug/L	96
31) Carbon tetrachloride	4.529	117	1916265	93.470	ug/L	99
34) Trichloroethene	5.841	95	121755	9.042	ug/L	100
35) Methylcyclohexane	6.002	83	12800	0.606	ug/L #	16
47) Tetrachloroethene	7.915	164	7073	0.595	ug/L	95
49) Dibromochloromethane	7.918	129	5353	0.498	ug/L #	12
61) 1,2,3-Trichloropropane	11.191	75	7649	1.252	ug/L #	63

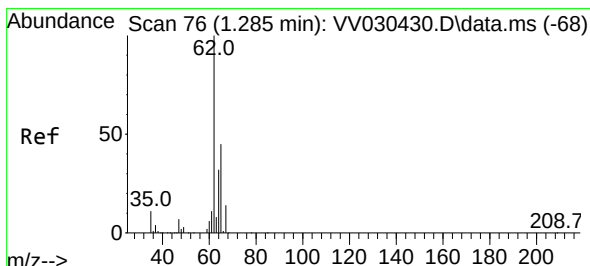
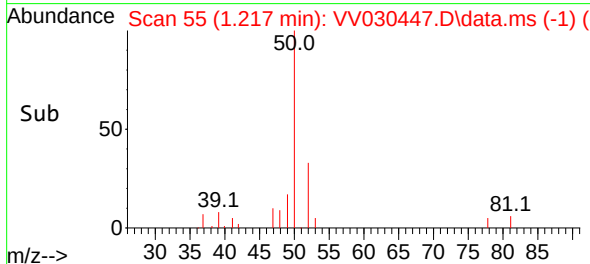
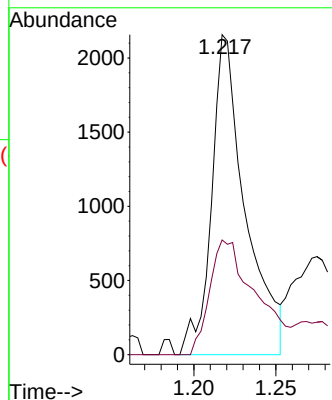
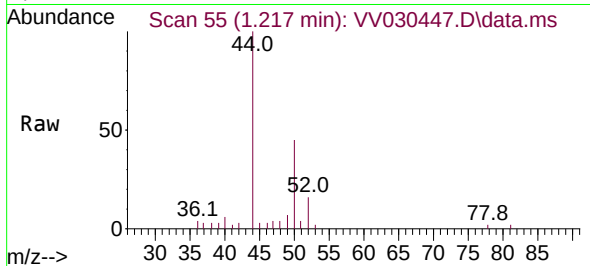
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
Chloromethane
Concen: 0.132 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV030447.D
Acq: 07 Apr 2023 16:56

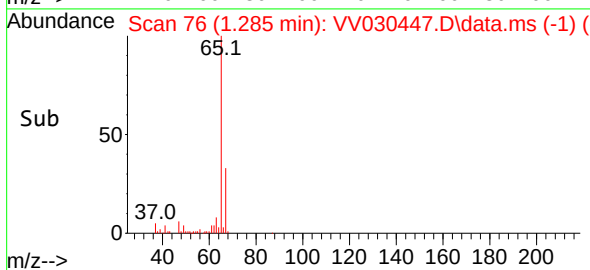
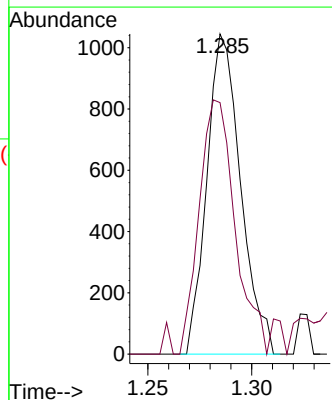
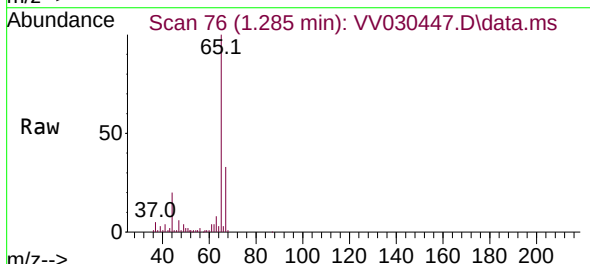
Instrument :
MSVOA_V
ClientSampleId :
C0AB1

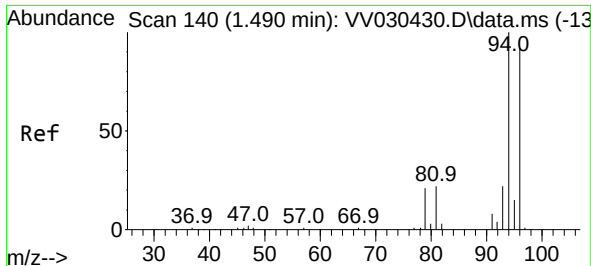
Tgt Ion: 50 Resp: 3084
Ion Ratio Lower Upper
50 100
52 35.8 22.3 41.5



#5
Vinyl chloride
Concen: 0.069 ug/L
RT: 1.285 min Scan# 76
Delta R.T. 0.000 min
Lab File: VV030447.D
Acq: 07 Apr 2023 16:56

Tgt Ion: 62 Resp: 1180
Ion Ratio Lower Upper
62 100
64 78.6 23.2 43.2#

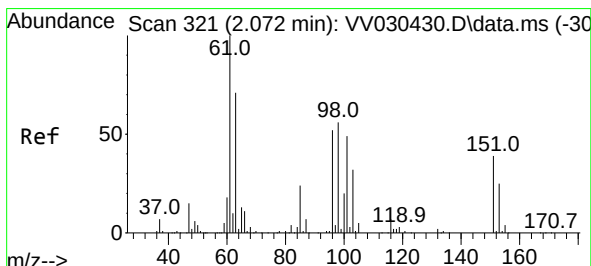
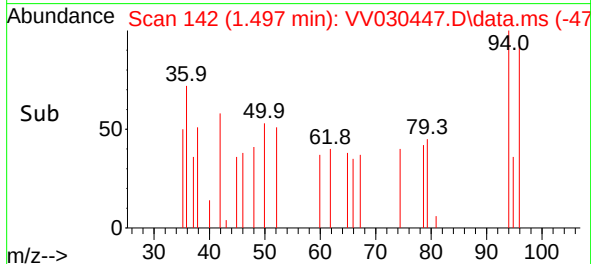
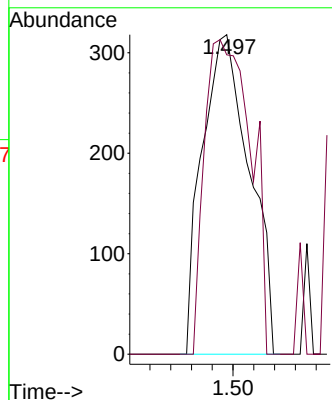
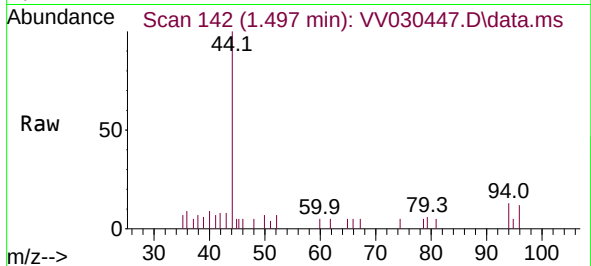




#6
Bromomethane
Concen: 0.104 ug/L
RT: 1.497 min Scan# 140
Delta R.T. 0.007 min
Lab File: VV030447.D
Acq: 07 Apr 2023 16:56

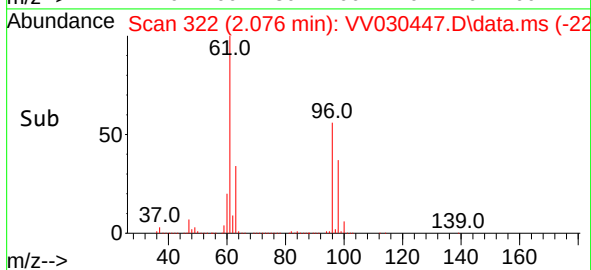
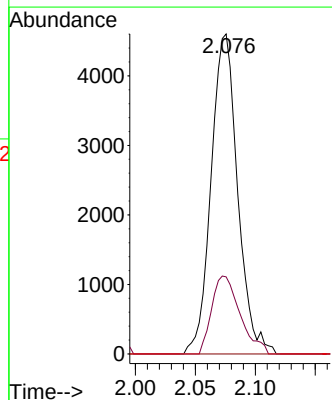
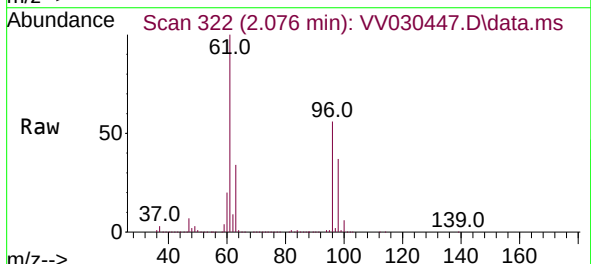
Instrument :
MSVOA_V
ClientSampleId :
C0AB1

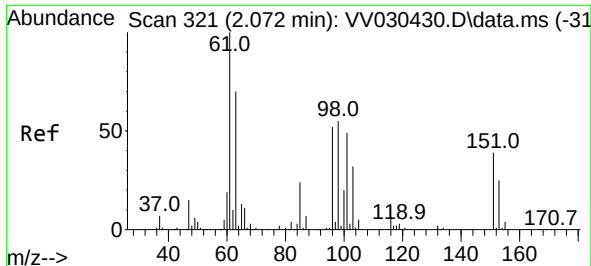
Tgt Ion: 94 Resp: 504
Ion Ratio Lower Upper
94 100
96 93.7 66.1 122.7



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.517 ug/L
RT: 2.076 min Scan# 322
Delta R.T. 0.003 min
Lab File: VV030447.D
Acq: 07 Apr 2023 16:56

Tgt Ion: 101 Resp: 7083
Ion Ratio Lower Upper
101 100
85 26.0 38.1 57.1#
151 0.0 62.7 94.1#





#12

1,1-Dichloroethene

Concen: 224.614 ug/L

RT: 2.076 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030447.D

Acq: 07 Apr 2023 16:56

Instrument :

MSVOA_V

ClientSampleId :

C0AB1

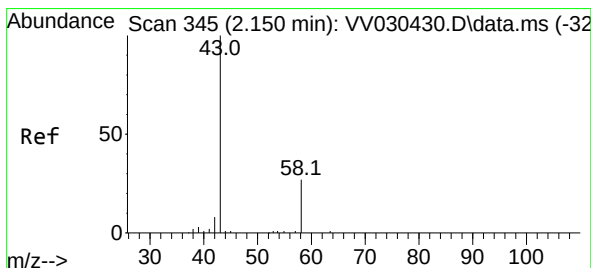
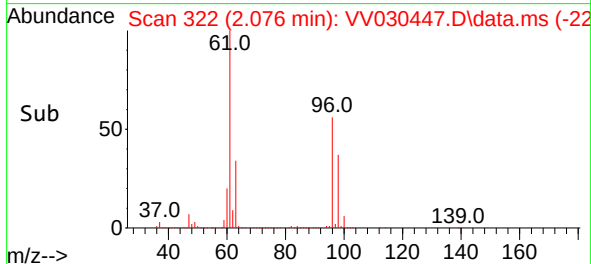
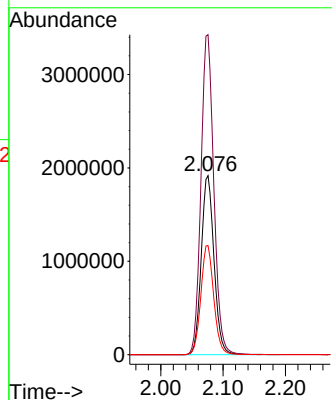
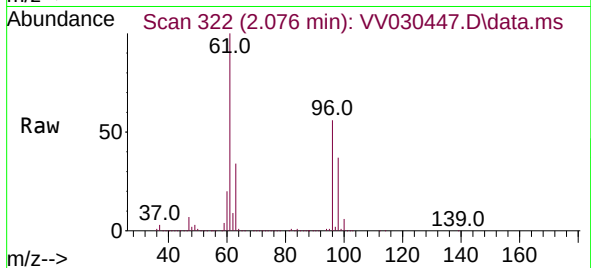
Tgt Ion: 96 Resp: 2733396

Ion Ratio Lower Upper

96 100

61 178.7 136.3 253.1

63 60.9 92.1 171.1#



#13

Acetone

Concen: 1.756 ug/L

RT: 2.140 min Scan# 342

Delta R.T. -0.010 min

Lab File: VV030447.D

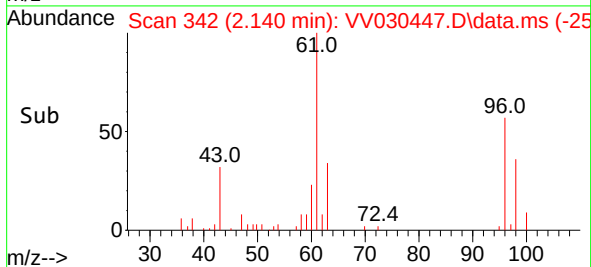
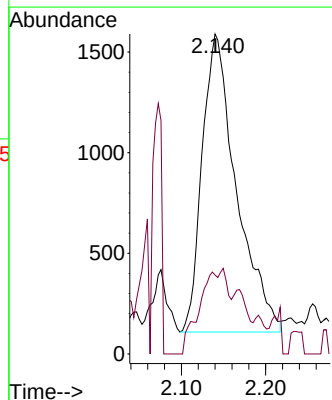
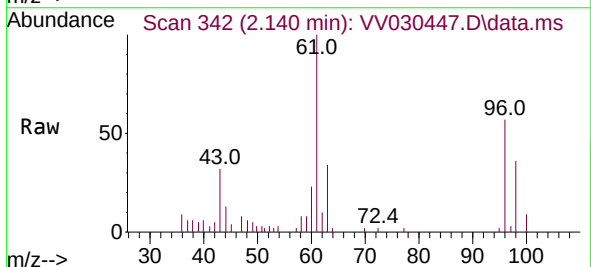
Acq: 07 Apr 2023 16:56

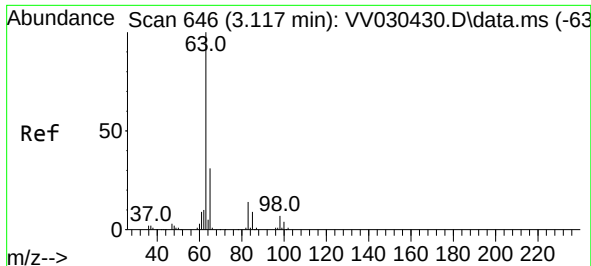
Tgt Ion: 43 Resp: 4187

Ion Ratio Lower Upper

43 100

58 15.9 0.0 40.8





#19

1,1-Dichloroethane

Concen: 8.997 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030447.D

Acq: 07 Apr 2023 16:56

Instrument :

MSVOA_V

ClientSampleId :

C0AB1

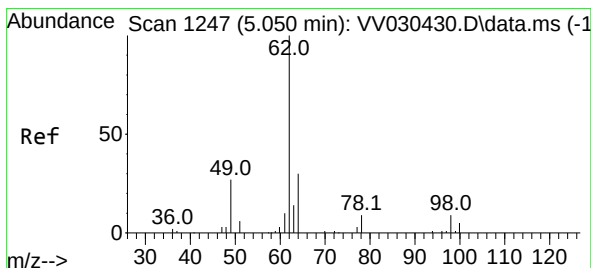
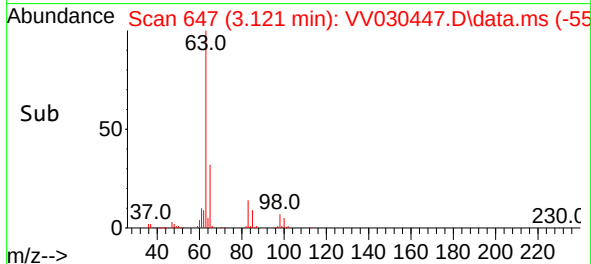
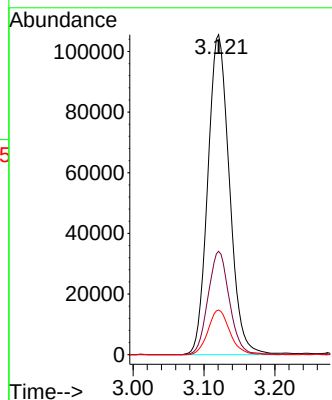
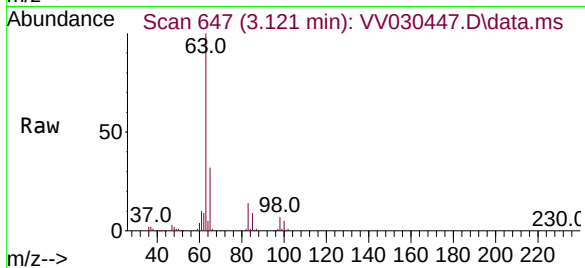
Tgt Ion: 63 Resp: 223604

Ion Ratio Lower Upper

63 100

65 32.3 21.7 40.3

83 13.9 9.1 16.9



#27

1,2-Dichloroethane

Concen: 0.429 ug/L

RT: 5.056 min Scan# 1249

Delta R.T. 0.007 min

Lab File: VV030447.D

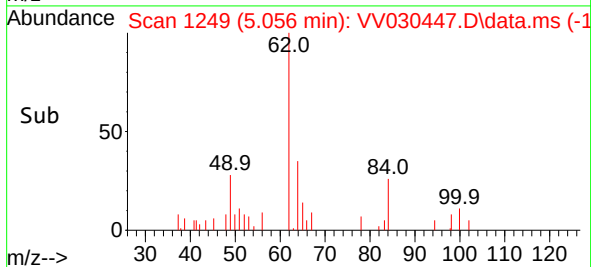
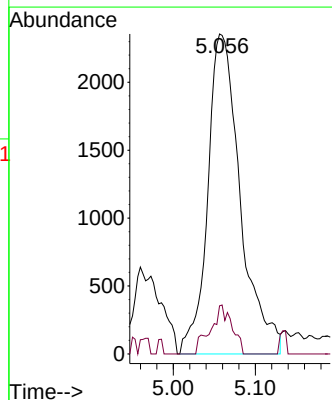
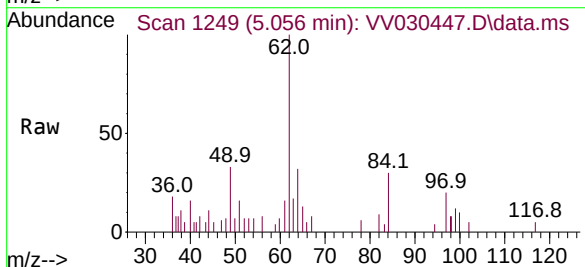
Acq: 07 Apr 2023 16:56

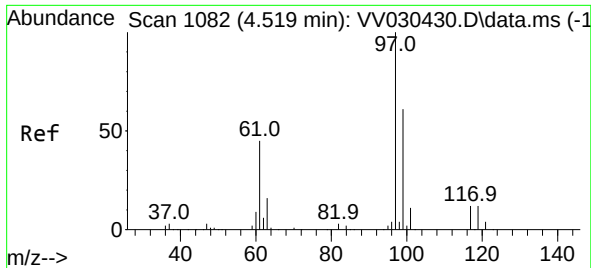
Tgt Ion: 62 Resp: 6522

Ion Ratio Lower Upper

62 100

98 15.0 7.8 11.8#





#29

1,1,1-Trichloroethane

Concen: 664.524 ug/L

RT: 4.529 min Scan# 1085

Delta R.T. 0.010 min

Lab File: VV030447.D

Acq: 07 Apr 2023 16:56

Instrument :

MSVOA_V

ClientSampleId :

C0AB1

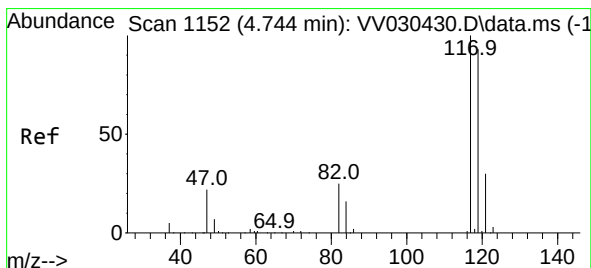
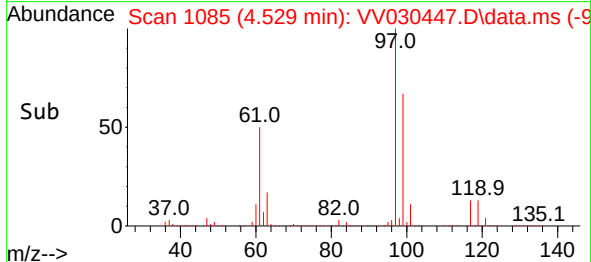
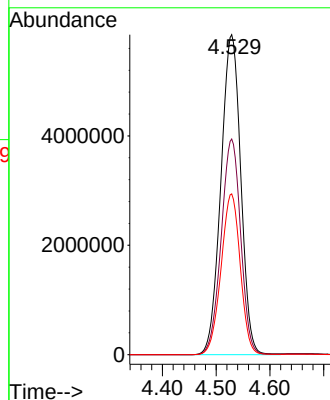
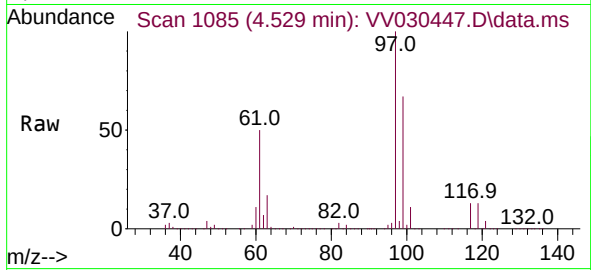
Tgt Ion: 97 Resp:15014748

Ion Ratio Lower Upper

97 100

99 66.2 50.9 76.3

61 48.6 35.9 53.9



#31

Carbon tetrachloride

Concen: 93.470 ug/L

RT: 4.529 min Scan# 1085

Delta R.T. -0.215 min

Lab File: VV030447.D

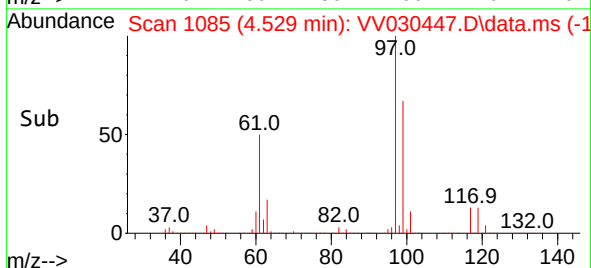
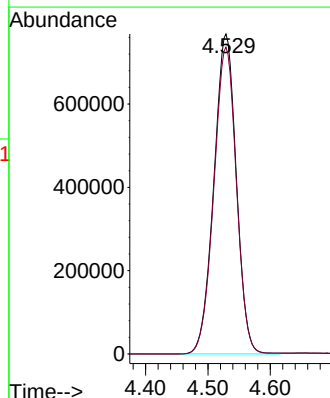
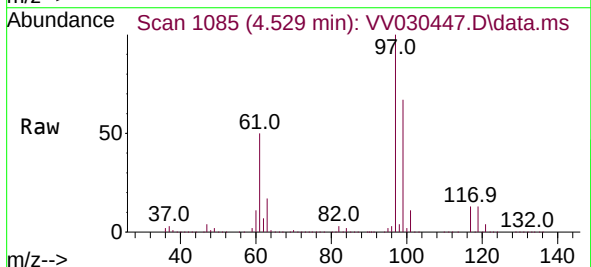
Acq: 07 Apr 2023 16:56

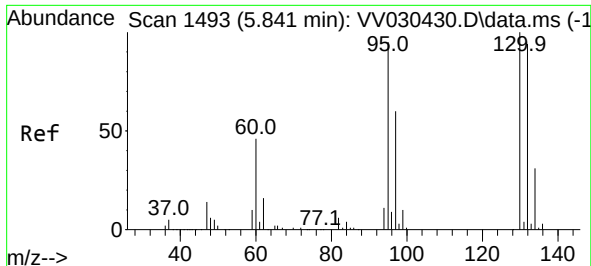
Tgt Ion:117 Resp: 1916265

Ion Ratio Lower Upper

117 100

119 96.3 76.2 114.4

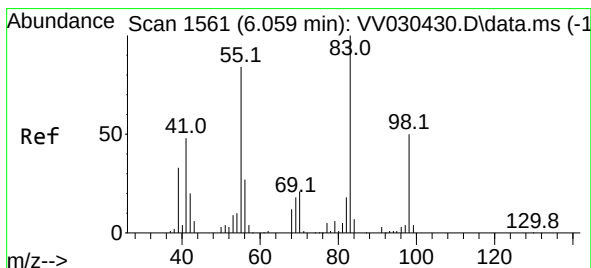
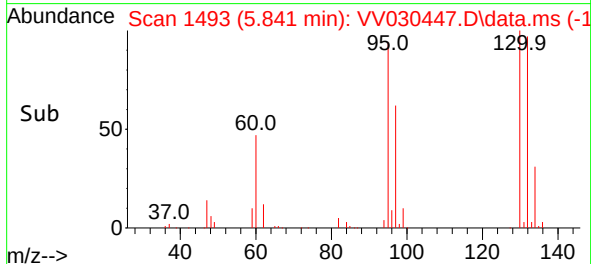
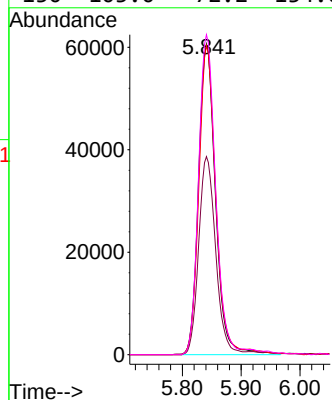
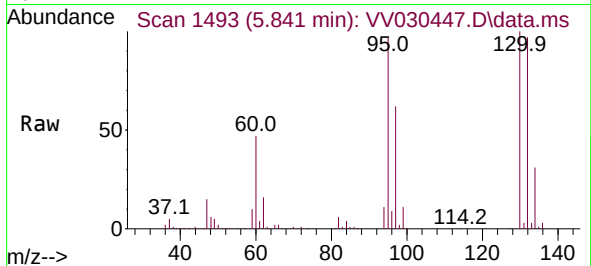




#34
Trichloroethene
Concen: 9.042 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VV030447.D
Acq: 07 Apr 2023 16:56

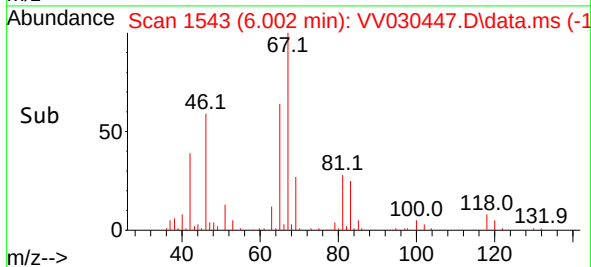
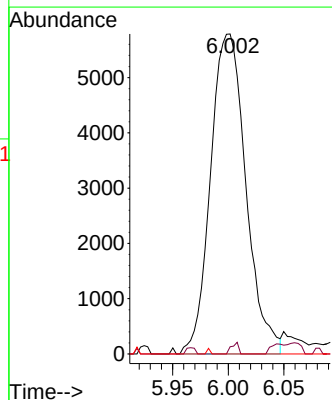
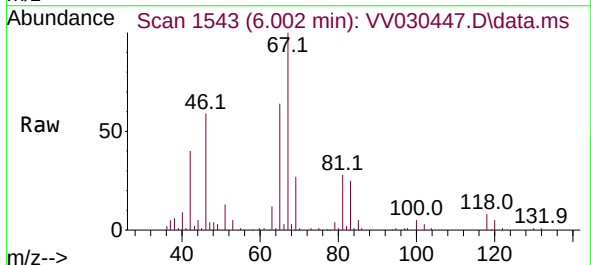
Instrument :
MSVOA_V
ClientSampleId :
C0AB1

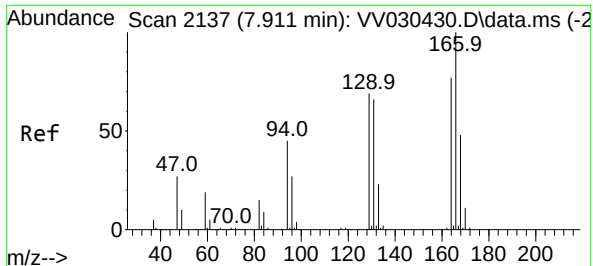
Tgt Ion: 95 Resp: 121755
Ion Ratio Lower Upper
95 100
97 63.7 44.2 82.2
132 99.4 69.5 129.1
130 103.0 72.2 134.0



#35
Methylcyclohexane
Concen: 0.606 ug/L
RT: 6.002 min Scan# 1543
Delta R.T. -0.058 min
Lab File: VV030447.D
Acq: 07 Apr 2023 16:56

Tgt Ion: 83 Resp: 12800
Ion Ratio Lower Upper
83 100
55 0.7 66.6 100.0#
98 0.0 38.6 58.0#



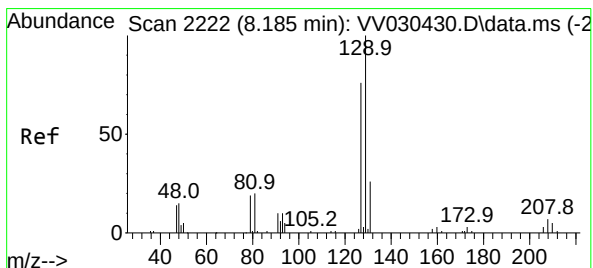
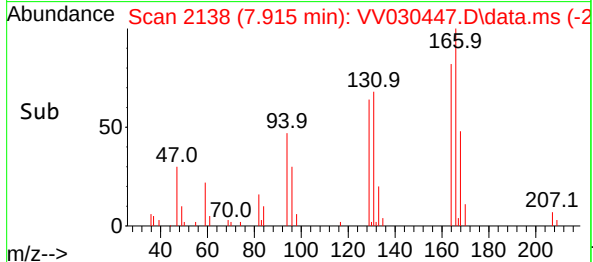
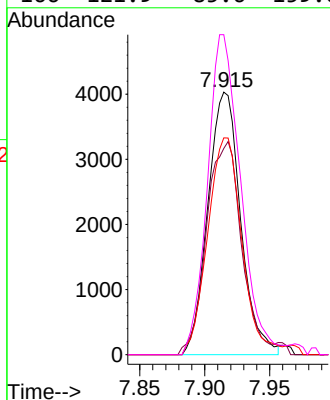
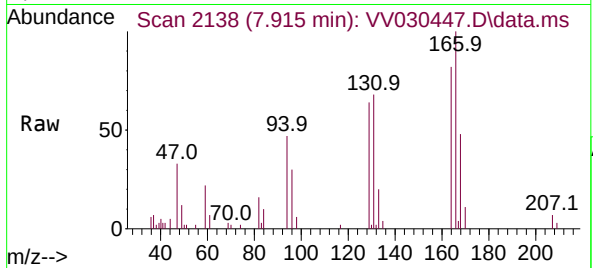


#47
 Tetrachloroethene
 Concen: 0.595 ug/L
 RT: 7.915 min Scan# 2139
 Delta R.T. 0.003 min
 Lab File: VV030447.D
 Acq: 07 Apr 2023 16:56

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AB1

Tgt Ion:164 Resp: 7073

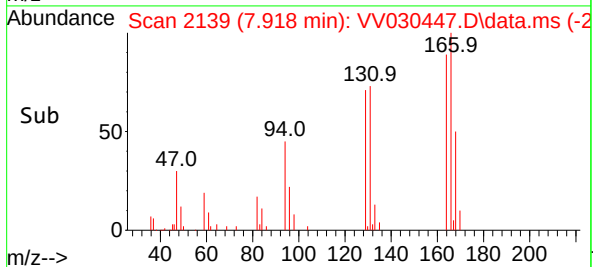
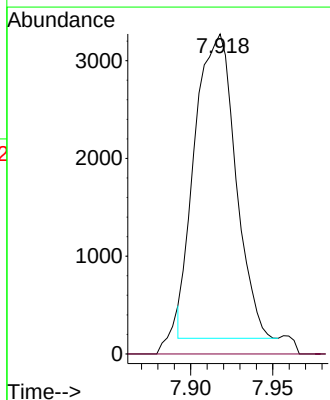
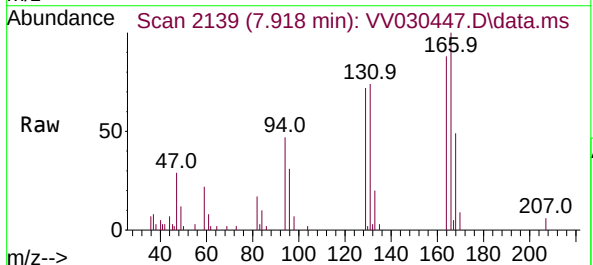
Ion	Ratio	Lower	Upper
164	100		
129	78.5	60.8	112.8
131	82.6	61.7	114.7
166	121.9	85.6	159.0

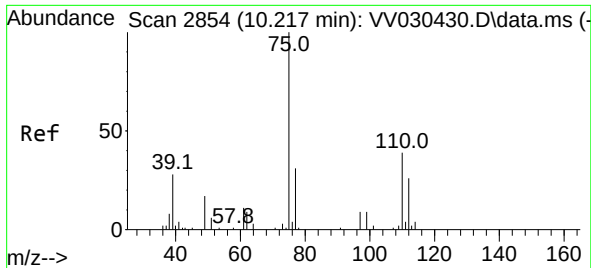


#49
 Dibromochloromethane
 Concen: 0.498 ug/L
 RT: 7.918 min Scan# 2139
 Delta R.T. -0.267 min
 Lab File: VV030447.D
 Acq: 07 Apr 2023 16:56

Tgt Ion:129 Resp: 5353

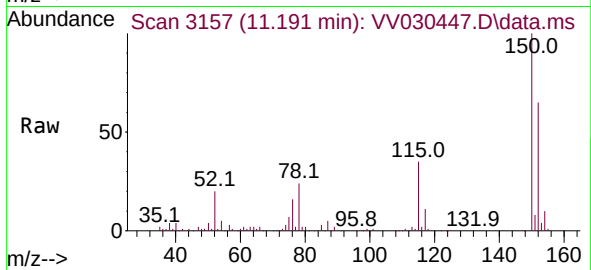
Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.7	97.9#





#61
 1,2,3-Trichloropropane
 Concen: 1.252 ug/L
 RT: 11.191 min Scan# 3157
 Delta R.T. 0.974 min
 Lab File: VV030447.D
 Acq: 07 Apr 2023 16:56

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AB1



Tgt Ion: 75	Resp:	7649
Ion	Ratio	Lower Upper
75	100	
77	36.8	26.0 39.0
110	2.4	31.6 47.4#

