

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041723\
 Data File : VW030604.D
 Acq On : 17 Apr 2023 21:26
 Operator : SY/MD
 Sample : 02360-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AP4

Quant Time: Apr 18 02:53:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:45:56 2023
 Response via : Initial Calibration

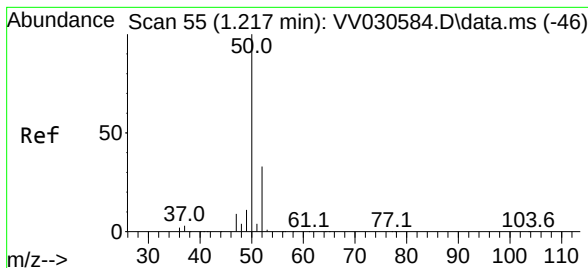
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	195282	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	189221	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	85741	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	56781	39.663	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	79.320%		
7) Chloroethane-d5	1.532	69	58265	48.568	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	97.140%		
11) 1,1-Dichloroethene-d2	2.063	65	26894	39.614	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	79.220%		
21) 2-Butanone-d5	3.802	46	84405	107.344	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	107.340%		
24) Chloroform-d	4.262	84	122103	47.065	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.140%		
26) 1,2-Dichloroethane-d4	4.953	65	88508	53.064	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	106.120%		
32) Benzene-d6	4.969	84	221895	49.600	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.200%		
36) 1,2-Dichloropropane-d6	6.001	67	70839	50.976	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	101.960%		
41) Toluene-d8	7.252	98	181690	43.256	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.520%		
43) trans-1,3-Dichloroprop...	7.561	79	33180	47.372	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.740%		
47) 2-Hexanone-d5	8.034	63	52214	95.379	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.380%		
56) 1,1,2,2-Tetrachloroeth...	10.162	84	96555	47.883	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.760%		
66) 1,2-Dichlorobenzene-d4	11.570	152	70978	52.082	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.160%		
Target Compounds						Qvalue
3) Chloromethane	1.220	50	16761	7.610	ug/L	94
6) Bromomethane	1.494	94	3404	4.835	ug/L	92
9) Trichlorofluoromethane	2.072	101	16173	5.620	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	16839	11.134	ug/L	95
12) 1,1-Dichloroethene	2.072	96	6816	4.985	ug/L #	1
20) cis-1,2-Dichloroethene	3.825	96	17960	11.960	ug/L	97
25) Chloroform	4.285	83	7765	2.666	ug/L	95
30) 1,1,1-Trichloroethane	4.522	97	73461	27.629	ug/L	99
31) Carbon tetrachloride	4.748	117	3804	1.600	ug/L	95
33) Benzene	5.027	78	3336	0.581	ug/L	100
45) 1,1,2-Trichloroethane	7.776	97	15153	9.771	ug/L	95
46) Tetrachloroethene	7.915	164	2636	2.015	ug/L	94
49) Dibromochloromethane	7.915	129	1943	1.136	ug/L #	12

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

Quant Time: Apr 18 02:53:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 18 02:45:56 2023
Response via : Initial Calibration





#3

Chloromethane

Concen: 7.610 ug/L

RT: 1.220 min Scan# 50

Delta R.T. 0.003 min

Lab File: VV030604.D

Acq: 17 Apr 2023 21:26

Instrument :

MSVOA_V

ClientSampleId :

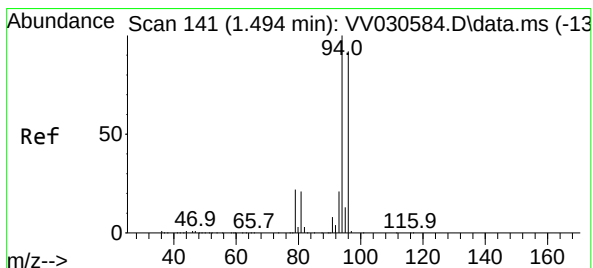
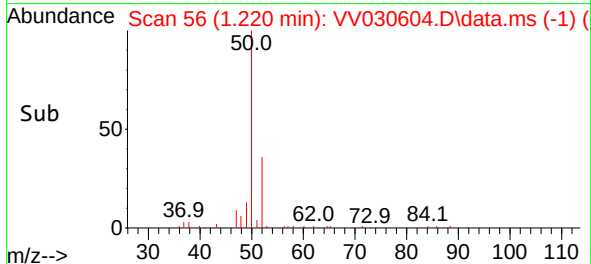
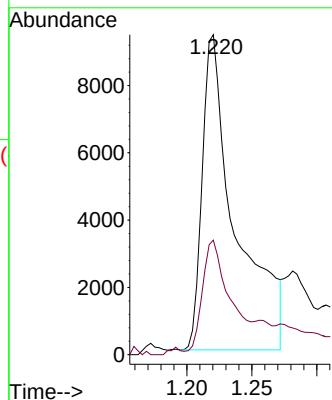
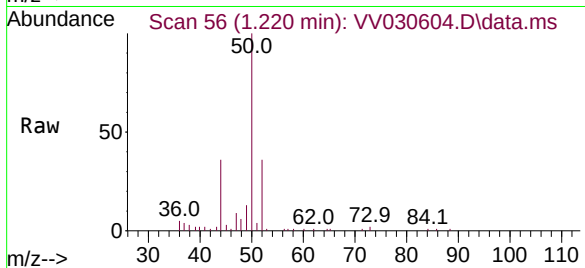
C0AP4

Tgt Ion: 50 Resp: 16761

Ion Ratio Lower Upper

50 100

52 35.8 22.5 41.9



#6

Bromomethane

Concen: 4.835 ug/L

RT: 1.494 min Scan# 141

Delta R.T. -0.000 min

Lab File: VV030604.D

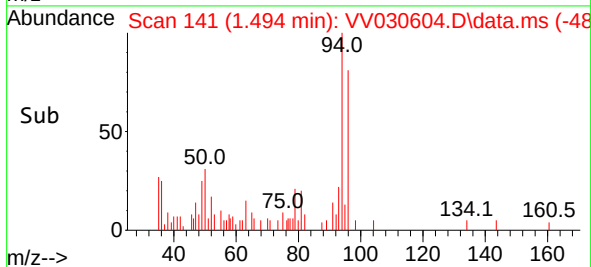
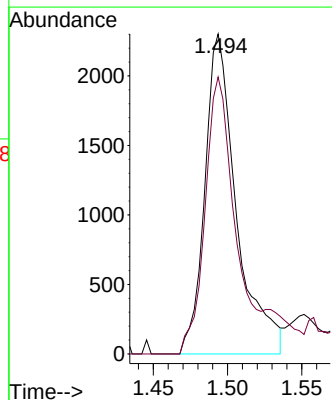
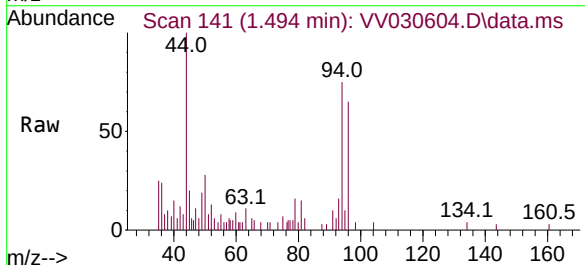
Acq: 17 Apr 2023 21:26

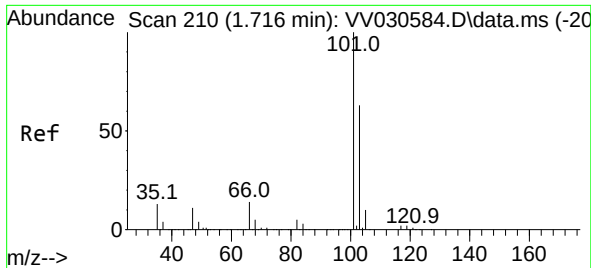
Tgt Ion: 94 Resp: 3404

Ion Ratio Lower Upper

94 100

96 86.5 66.3 123.1

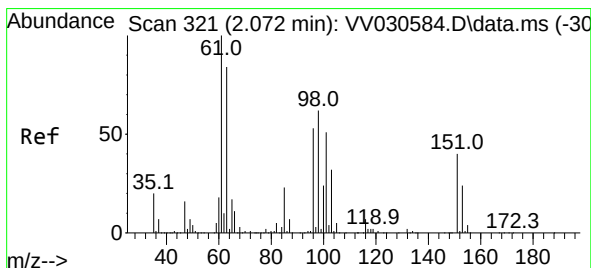
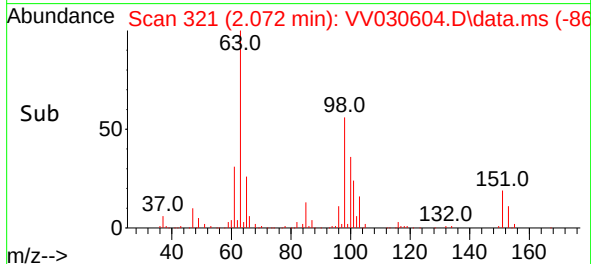
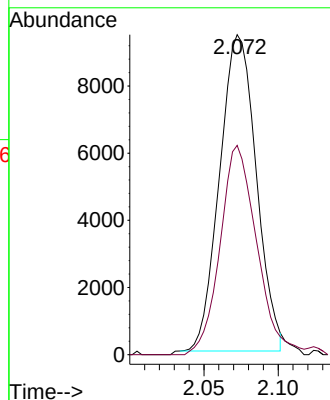
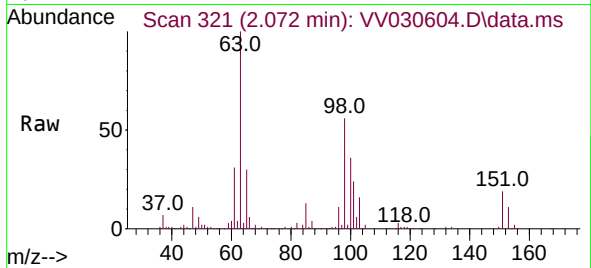




#9
 Trichlorofluoromethane
 Concen: 5.620 ug/L
 RT: 2.072 min Scan# 311
 Delta R.T. 0.357 min
 Lab File: VV030604.D
 Acq: 17 Apr 2023 21:26

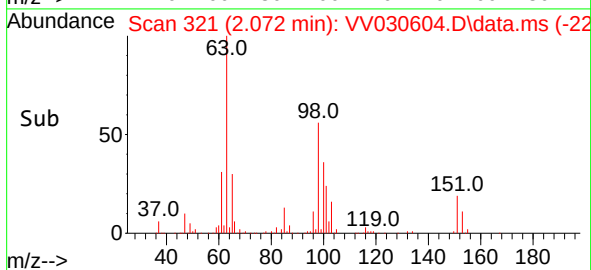
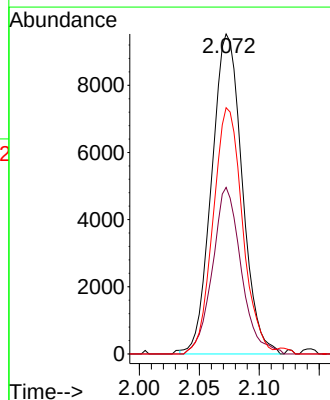
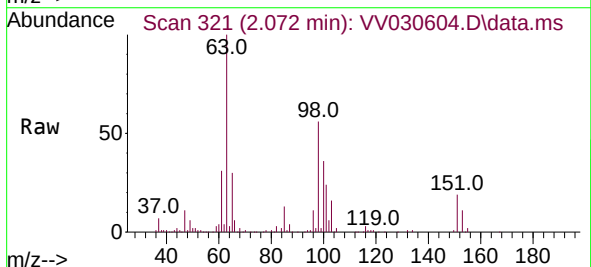
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AP4

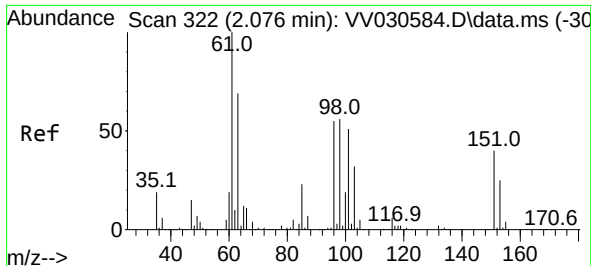
Tgt Ion:101 Resp: 16173
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.4 77.0



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 11.134 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV030604.D
 Acq: 17 Apr 2023 21:26

Tgt Ion:101 Resp: 16839
 Ion Ratio Lower Upper
 101 100
 85 48.9 37.5 56.3
 151 74.1 63.5 95.3





#12

1,1-Dichloroethene

Concen: 4.985 ug/L

RT: 2.072 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV030604.D

Acq: 17 Apr 2023 21:26

Instrument :

MSVOA_V

ClientSampleId :

C0AP4

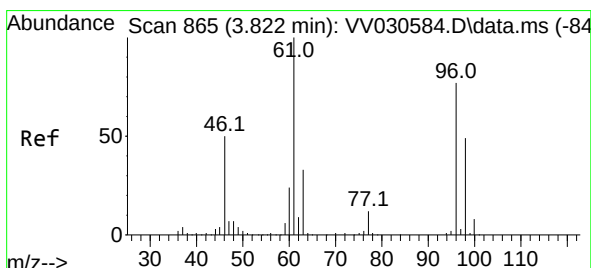
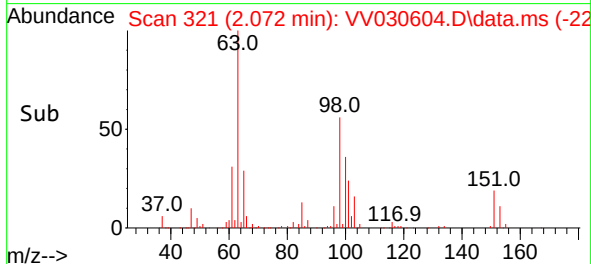
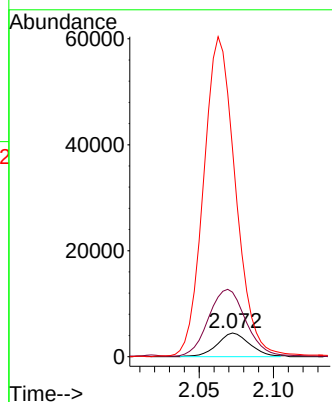
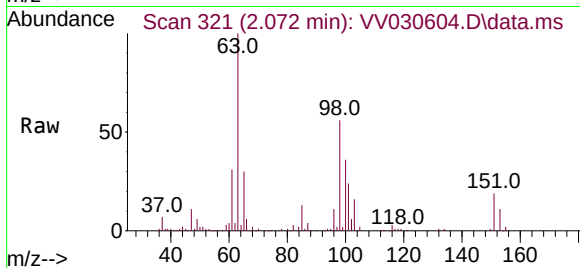
Tgt Ion: 96 Resp: 6816

Ion Ratio Lower Upper

96 100

61 272.4 131.9 245.0#

63 877.7 99.8 185.3#



#20

cis-1,2-Dichloroethene

Concen: 11.960 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.003 min

Lab File: VV030604.D

Acq: 17 Apr 2023 21:26

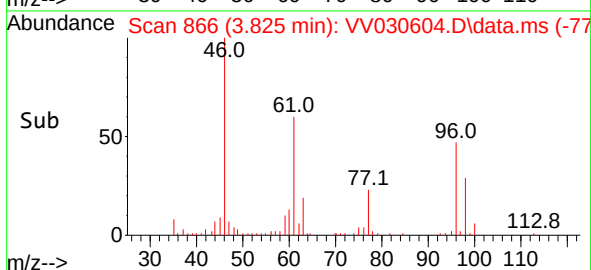
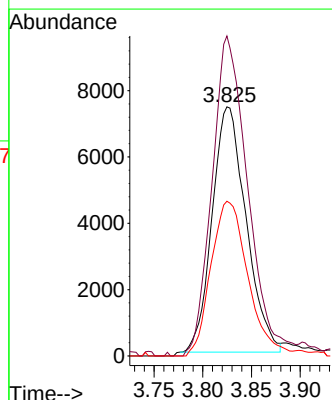
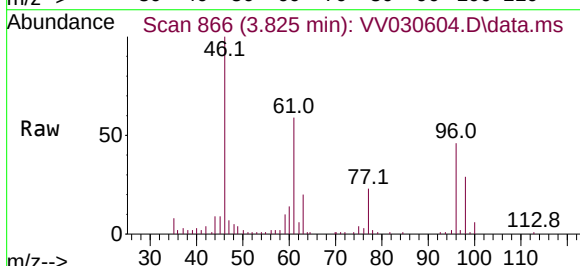
Tgt Ion: 96 Resp: 17960

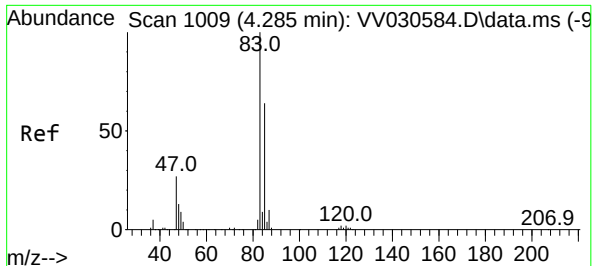
Ion Ratio Lower Upper

96 100

61 128.4 92.3 171.3

98 62.1 45.9 85.3

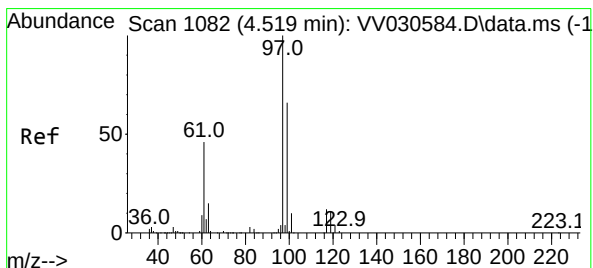
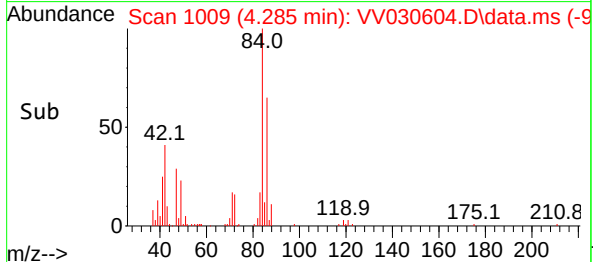
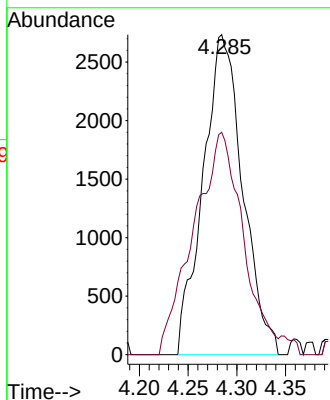
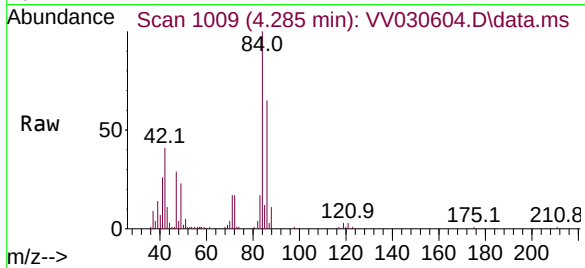




#25
Chloroform
Concen: 2.666 ug/L
RT: 4.285 min Scan# 1009
Delta R.T. -0.000 min
Lab File: VV030604.D
Acq: 17 Apr 2023 21:26

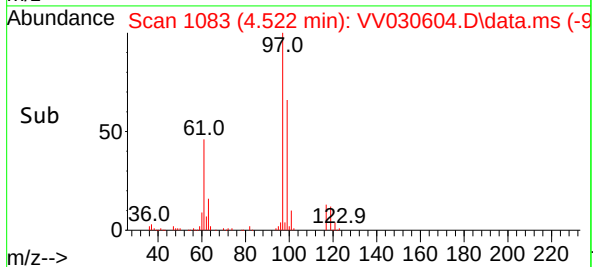
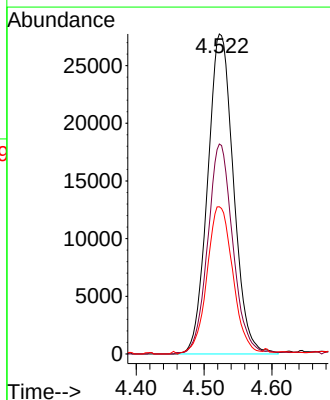
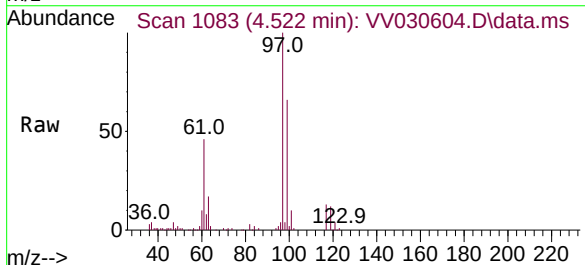
Instrument :
MSVOA_V
ClientSampleId :
C0AP4

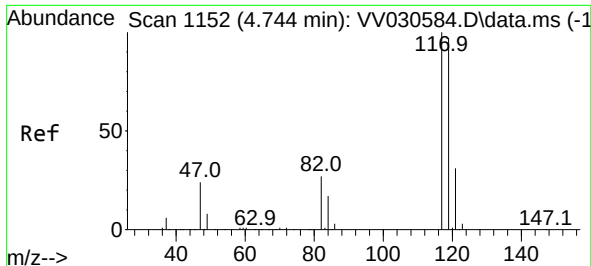
Tgt Ion: 83 Resp: 7765
Ion Ratio Lower Upper
83 100
85 69.5 45.8 85.2



#30
1,1,1-Trichloroethane
Concen: 27.629 ug/L
RT: 4.522 min Scan# 1083
Delta R.T. 0.003 min
Lab File: VV030604.D
Acq: 17 Apr 2023 21:26

Tgt Ion: 97 Resp: 73461
Ion Ratio Lower Upper
97 100
99 63.6 51.4 77.0
61 46.1 37.0 55.6

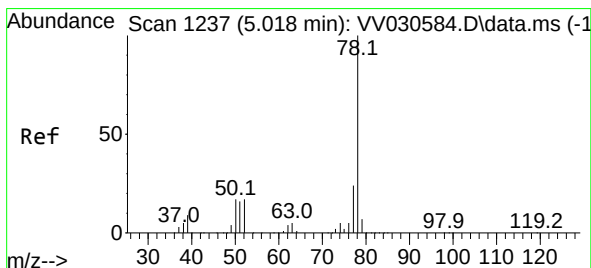
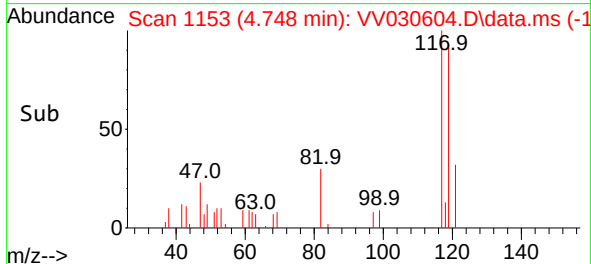
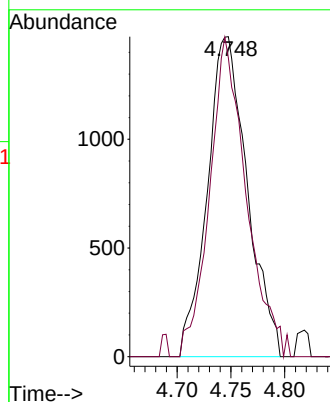
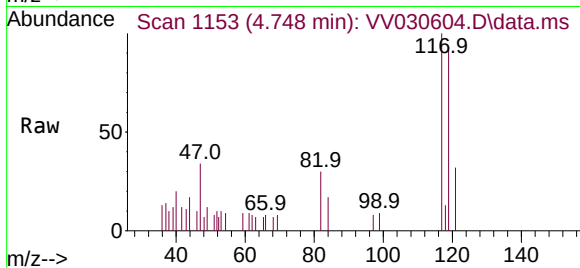




#31
Carbon tetrachloride
Concen: 1.600 ug/L
RT: 4.748 min Scan# 1152
Delta R.T. 0.003 min
Lab File: VV030604.D
Acq: 17 Apr 2023 21:26

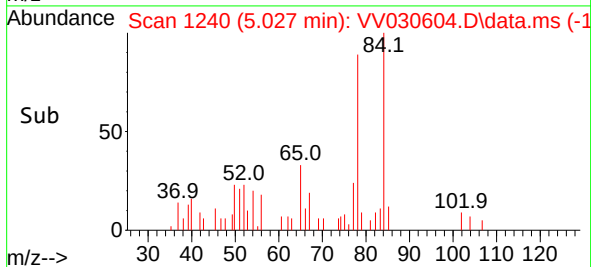
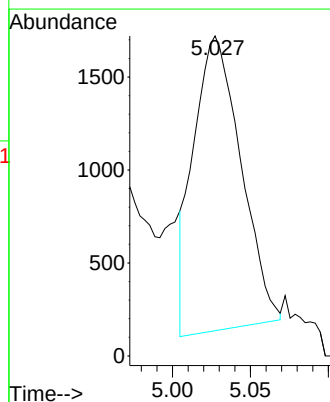
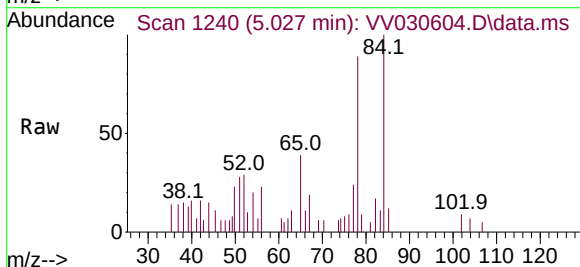
Instrument :
MSVOA_V
ClientSampleId :
C0AP4

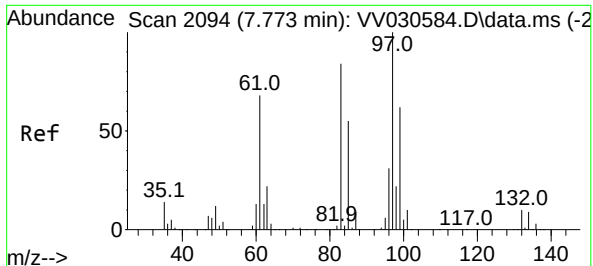
Tgt Ion:117 Resp: 3804
Ion Ratio Lower Upper
117 100
119 89.7 75.9 113.9



#33
Benzene
Concen: 0.581 ug/L
RT: 5.027 min Scan# 1240
Delta R.T. 0.010 min
Lab File: VV030604.D
Acq: 17 Apr 2023 21:26

Tgt Ion: 78 Resp: 3336

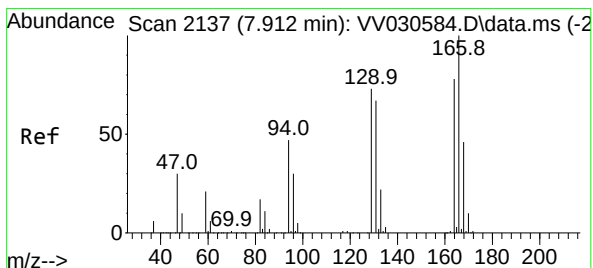
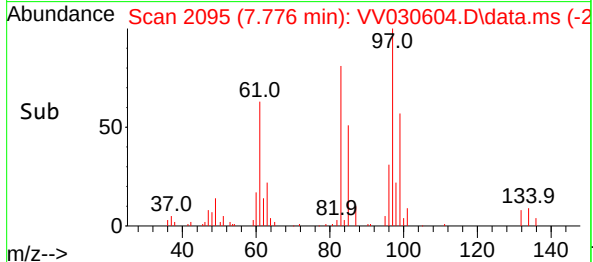
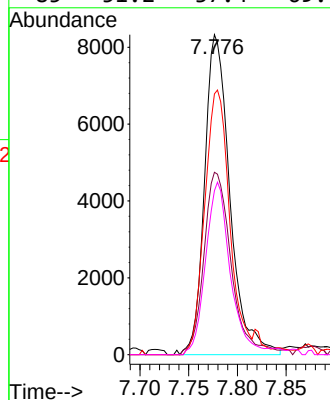
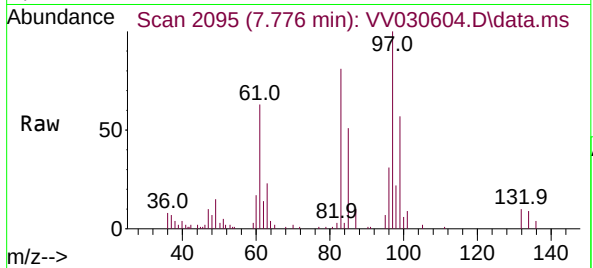




#45
1,1,2-Trichloroethane
Concen: 9.771 ug/L
RT: 7.776 min Scan# 2094
Delta R.T. 0.003 min
Lab File: VV030604.D
Acq: 17 Apr 2023 21:26

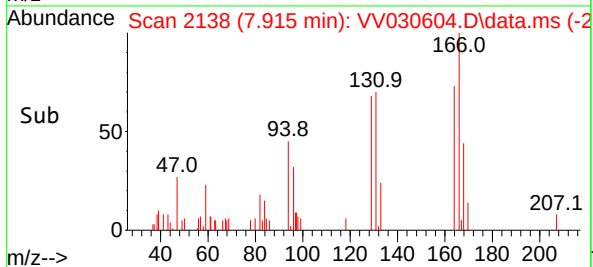
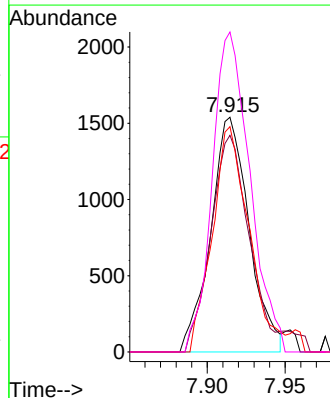
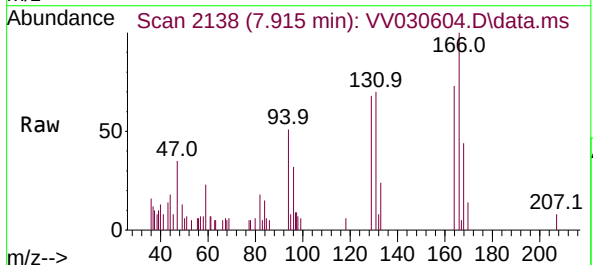
Instrument :
MSVOA_V
ClientSampleId :
C0AP4

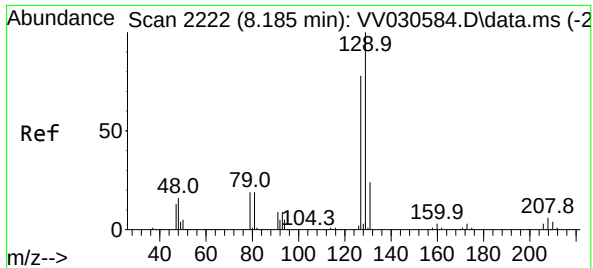
Tgt Ion:	97	Resp:	15153
Ion	Ratio	Lower	Upper
97	100		
99	57.0	43.8	81.4
83	81.5	59.6	110.6
85	51.2	37.4	69.4



#46
Tetrachloroethene
Concen: 2.015 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030604.D
Acq: 17 Apr 2023 21:26

Tgt Ion:	164	Resp:	2636
Ion	Ratio	Lower	Upper
164	100		
129	92.3	63.8	118.6
131	96.0	60.3	111.9
166	136.3	89.5	166.1





#49
 Dibromochloromethane
 Concen: 1.136 ug/L
 RT: 7.915 min Scan# 21
 Delta R.T. -0.270 min
 Lab File: VV030604.D
 Acq: 17 Apr 2023 21:26

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AP4

Tgt Ion:129 Resp: 1943
 Ion Ratio Lower Upper
 129 100
 127 0.0 52.8 98.2#

