

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV112022\
 Data File : VV029218.D
 Acq On : 20 Nov 2022 12:22
 Operator : SY/MD
 Sample : N5651-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 00:56:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 21 00:54:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	398777	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	365910	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	171321	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	133447	5.489	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 109.800%	
7) Chloroethane-d5	1.568	69	110358	5.164	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 103.200%	
11) 1,1-Dichloroethene-d2	2.105	63	175379	3.958	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 79.200%	
20) 2-Butanone-d5	3.895	46	262885	64.597	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	= 129.200%	
24) Chloroform-d	4.339	84	255836	5.126	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 102.600%	
26) 1,2-Dichloroethane-d4	5.027	65	118019	5.255	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 105.200%	
32) Benzene-d6	5.043	84	535677	4.905	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 98.000%	
36) 1,2-Dichloropropane-d6	6.063	67	158887	5.210	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 104.200%	
41) Toluene-d8	7.310	98	471744	4.798	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 96.000%	
43) trans-1,3-Dichloroprop...	7.619	79	49546	4.981	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 99.600%	
46) 2-Hexanone-d5	8.088	63	238368	56.142	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 112.280%	
56) 1,1,2,2-Tetrachloroeth...	10.207	84	113591	5.372	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 107.400%	
66) 1,2-Dichlorobenzene-d4	11.615	152	173932	5.675	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 113.400%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.130	85	6467	0.195	ug/L	99
3) Chloromethane	1.240	50	3553	0.129	ug/L	97
6) Bromomethane	1.523	94	932	0.050	ug/L	89
8) Chloroethane	1.423	64	22195	1.200	ug/L #	51
12) 1,1-Dichloroethene	2.111	96	2470	0.102	ug/L #	1
17) Methyl tert-butyl Ether	2.767	73	14871	0.287	ug/L #	96
22) cis-1,2-Dichloroethene	3.908	96	22672	0.797	ug/L	92
25) Chloroform	4.362	83	3653	0.076	ug/L	81
27) 1,2-Dichloroethane	5.149	62	1886	0.076	ug/L #	70
29) 1,1,1-Trichloroethane	4.603	97	923	0.021	ug/L #	86
34) Trichloroethene	5.908	95	323844	11.313	ug/L	99
35) Methylcyclohexane	6.063	83	37696	0.749	ug/L #	22
37) 1,2-Dichloropropane	6.066	63	16894	0.655	ug/L #	85
39) cis-1,3-Dichloropropene	6.982	75	3253	0.090	ug/L #	55
47) Tetrachloroethene	7.969	164	442579	19.309	ug/L	100
49) Dibromochloromethane	7.969	129	398278	19.516	ug/L #	10
61) 1,2,3-Trichloropropane	10.378	75	703	0.060	ug/L #	68

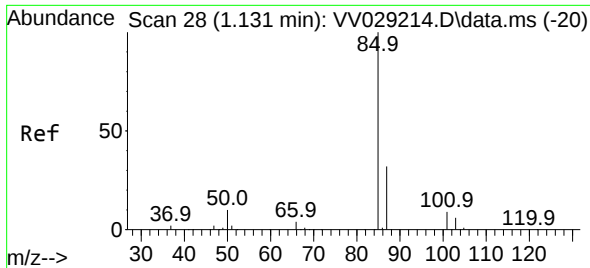
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV112022\
Data File : VV029218.D
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

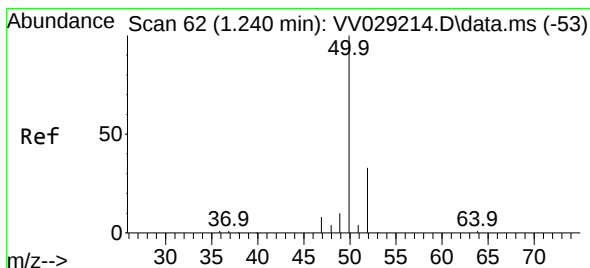
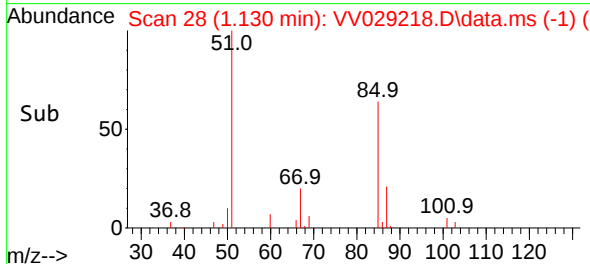
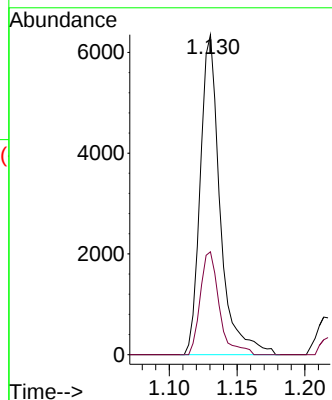
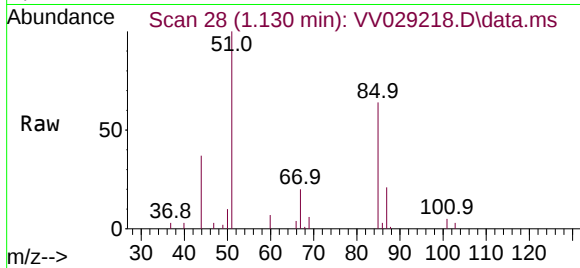
(#) = qualifier out of range (m) = manual integration (+) = signals summed						



#2
 Dichlorodifluoromethane
 Concen: 0.195 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029218.D
 Acq: 20 Nov 2022 12:22

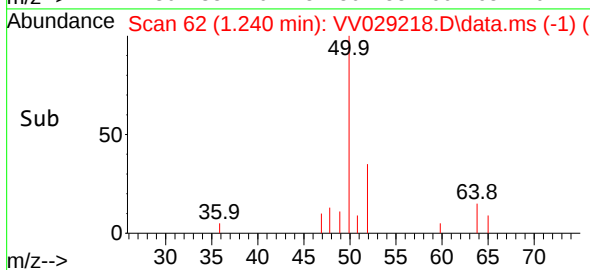
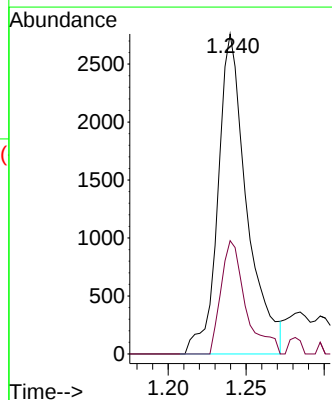
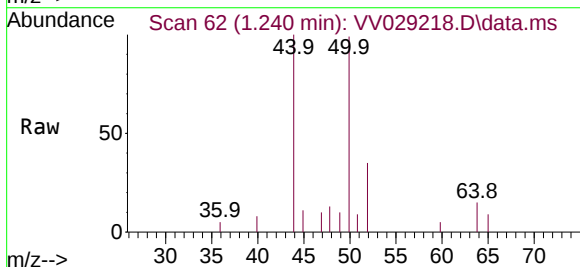
Instrument :
 MSVOA_V
 ClientSampleId :

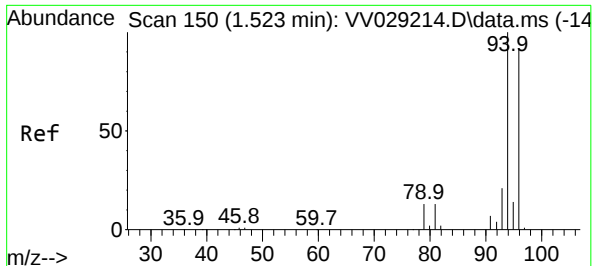
Tgt Ion: 85 Resp: 6467
 Ion Ratio Lower Upper
 85 100
 87 30.8 25.0 37.4



#3
 Chloromethane
 Concen: 0.129 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029218.D
 Acq: 20 Nov 2022 12:22

Tgt Ion: 50 Resp: 3553
 Ion Ratio Lower Upper
 50 100
 52 35.4 23.7 43.9

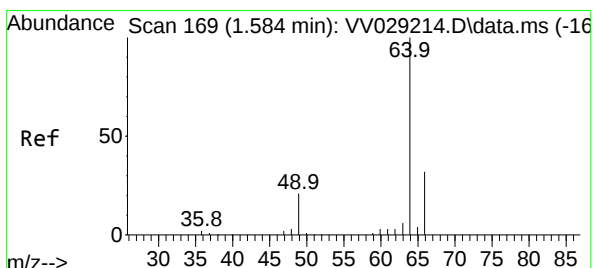
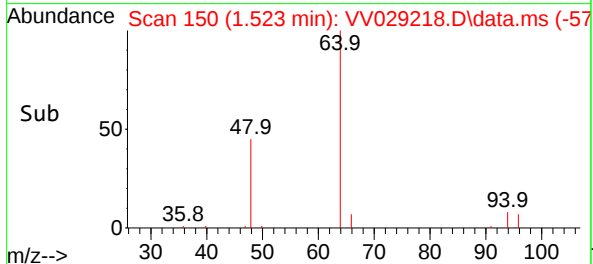
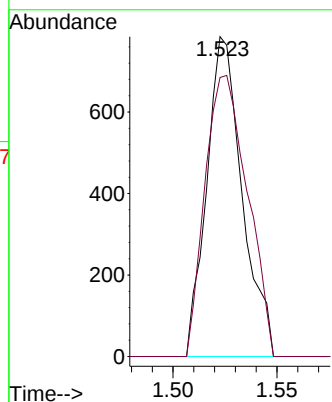
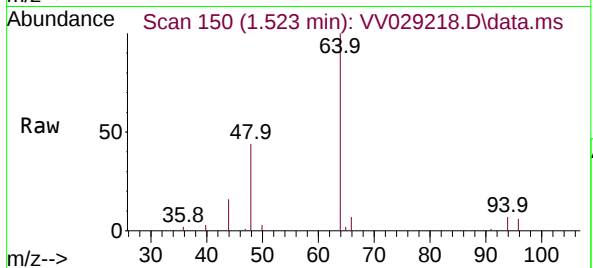




#6
Bromomethane
Concen: 0.050 ug/L
RT: 1.523 min Scan# 119
Delta R.T. -0.000 min
Lab File: VV029218.D
Acq: 20 Nov 2022 12:22

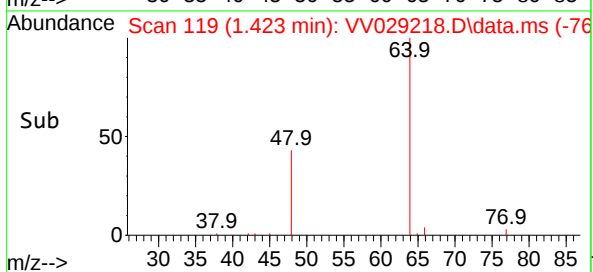
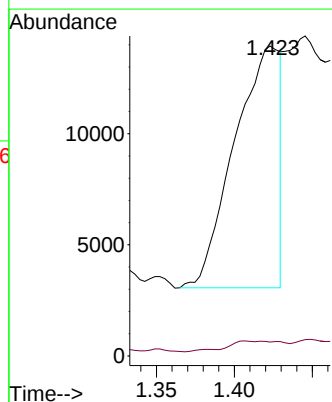
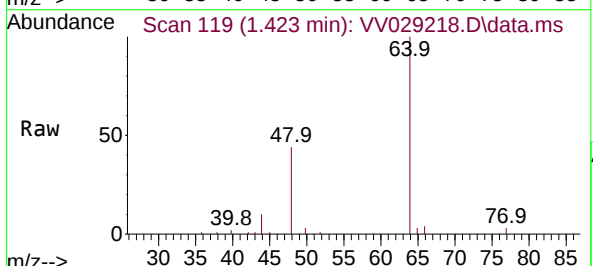
Instrument :
MSVOA_V
ClientSampleId :

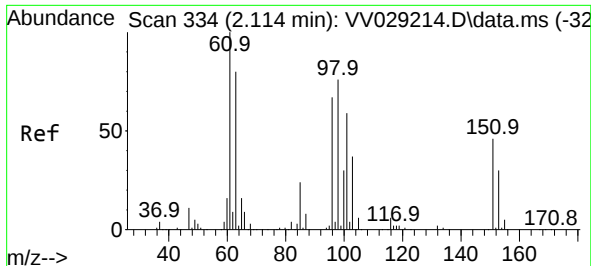
Tgt Ion: 94 Resp: 932
Ion Ratio Lower Upper
94 100
96 87.3 68.5 127.3



#8
Chloroethane
Concen: 1.200 ug/L
RT: 1.423 min Scan# 119
Delta R.T. -0.161 min
Lab File: VV029218.D
Acq: 20 Nov 2022 12:22

Tgt Ion: 64 Resp: 22195
Ion Ratio Lower Upper
64 100
66 4.5 22.0 40.8#





#12

1,1-Dichloroethene

Concen: 0.102 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV029218.D

Acq: 20 Nov 2022 12:22

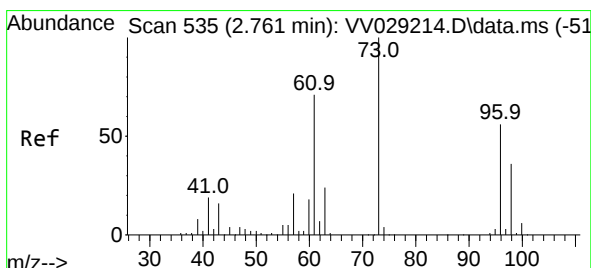
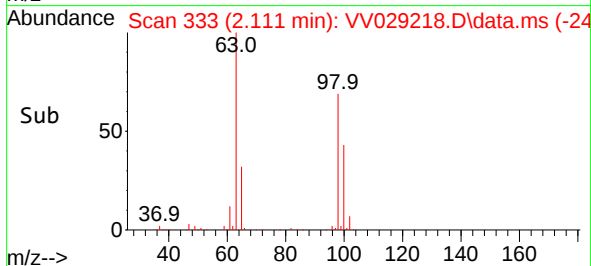
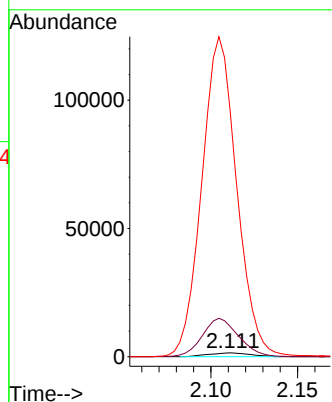
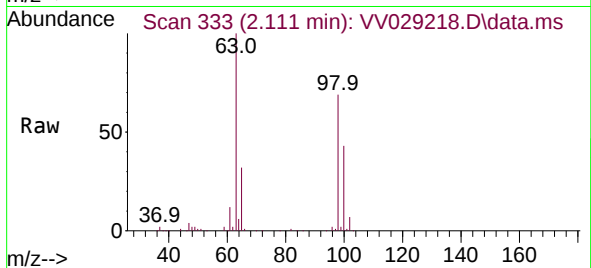
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 96 Resp: 2470

Ion	Ratio	Lower	Upper
96	100		
61	800.5	104.2	193.4#
63	6505.1	75.9	140.9#



#17

Methyl tert-butyl Ether

Concen: 0.287 ug/L

RT: 2.767 min Scan# 537

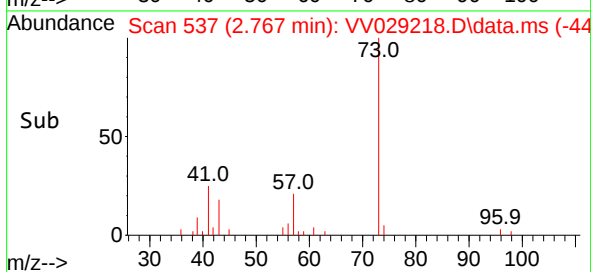
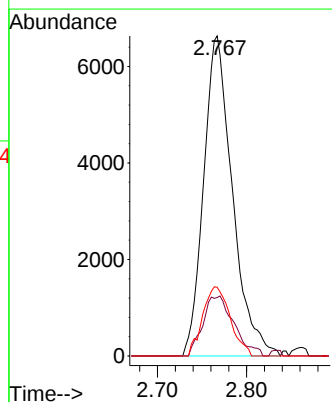
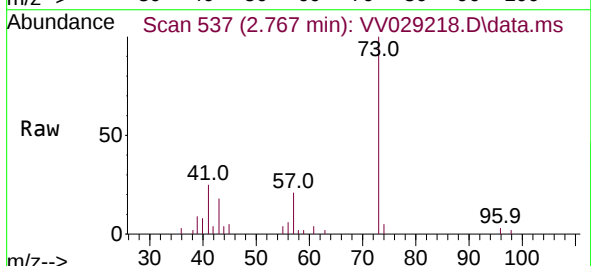
Delta R.T. 0.006 min

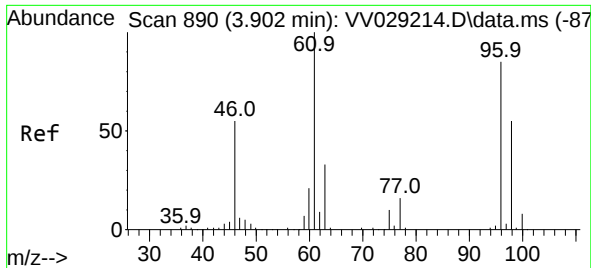
Lab File: VV029218.D

Acq: 20 Nov 2022 12:22

Tgt Ion: 73 Resp: 14871

Ion	Ratio	Lower	Upper
73	100		
43	20.2	13.0	19.4#
57	20.6	16.6	24.8





#22

cis-1,2-Dichloroethene

Concen: 0.797 ug/L

RT: 3.908 min Scan# 890

Delta R.T. 0.006 min

Lab File: VV029218.D

Acq: 20 Nov 2022 12:22

Instrument :

MSVOA_V

ClientSampleId :

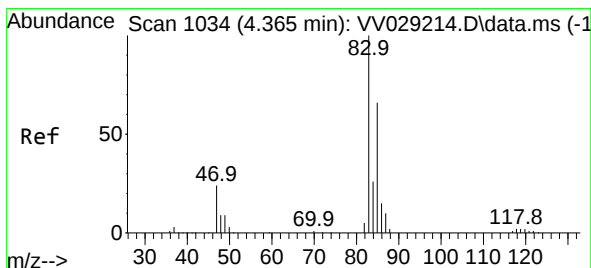
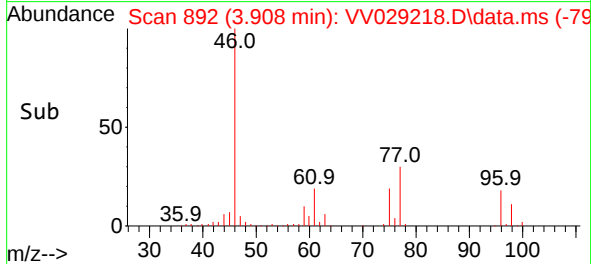
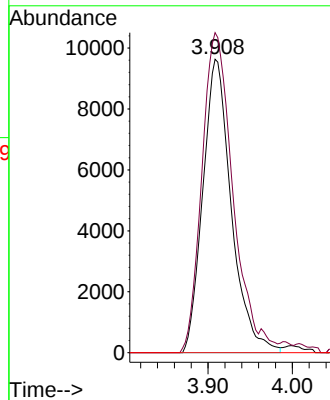
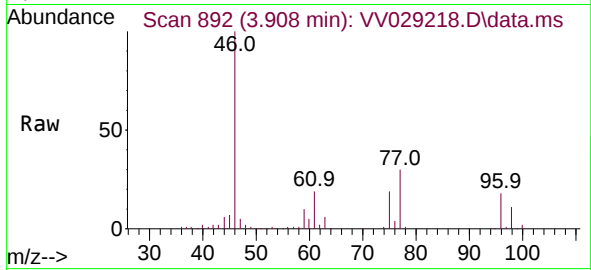
Tgt Ion: 96 Resp: 22672

Ion Ratio Lower Upper

96 100

61 109.1 82.3 152.9

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.076 ug/L

RT: 4.362 min Scan# 1033

Delta R.T. -0.003 min

Lab File: VV029218.D

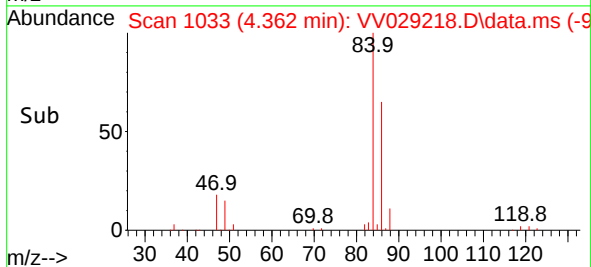
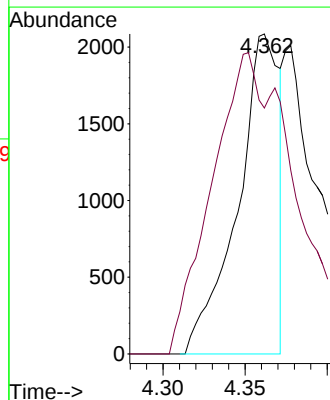
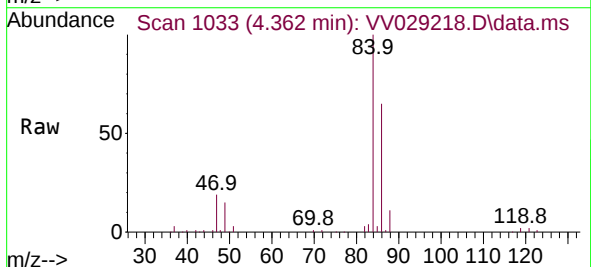
Acq: 20 Nov 2022 12:22

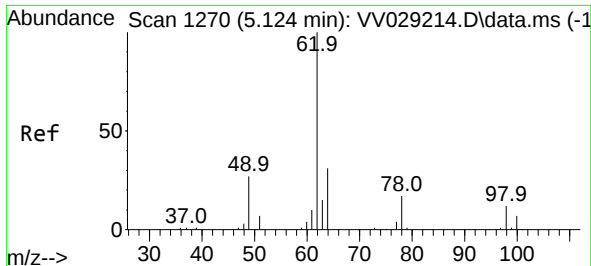
Tgt Ion: 83 Resp: 3653

Ion Ratio Lower Upper

83 100

85 76.8 43.7 81.1





#27

1,2-Dichloroethane

Concen: 0.076 ug/L

RT: 5.149 min Scan# 1107

Delta R.T. 0.026 min

Lab File: VV029218.D

Acq: 20 Nov 2022 12:22

Instrument :

MSVOA_V

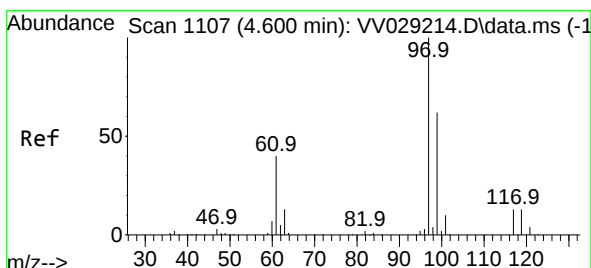
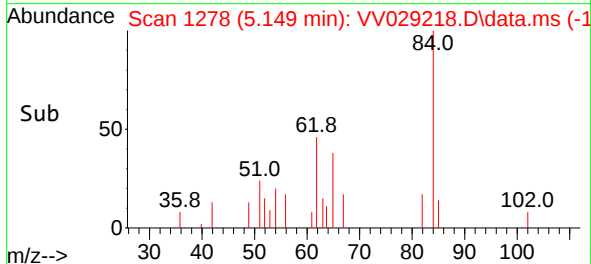
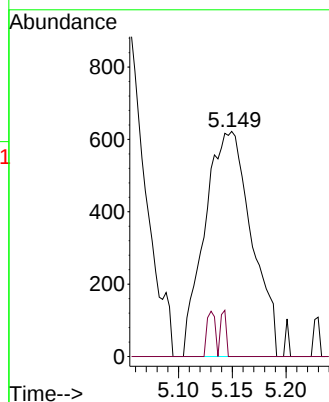
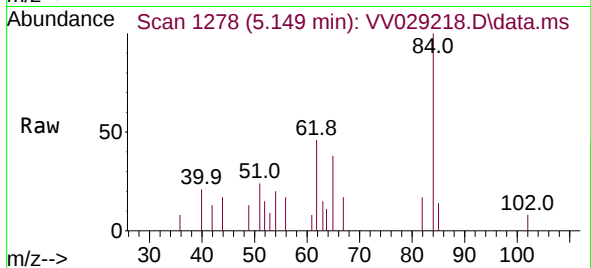
ClientSampleId :

Tgt Ion: 62 Resp: 1886

Ion Ratio Lower Upper

62 100

98 0.0 9.0 13.6#



#29

1,1,1-Trichloroethane

Concen: 0.021 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.003 min

Lab File: VV029218.D

Acq: 20 Nov 2022 12:22

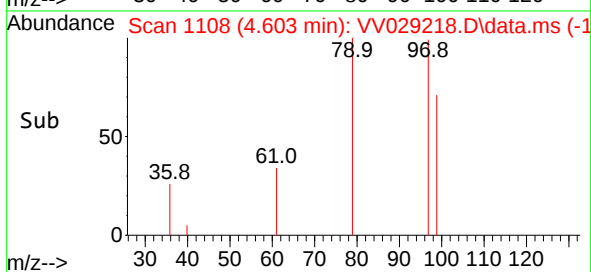
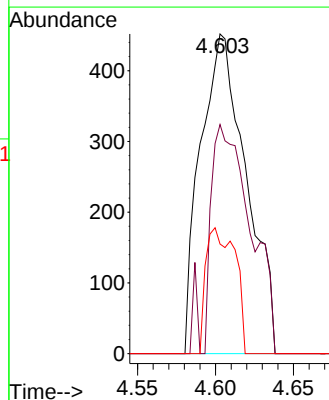
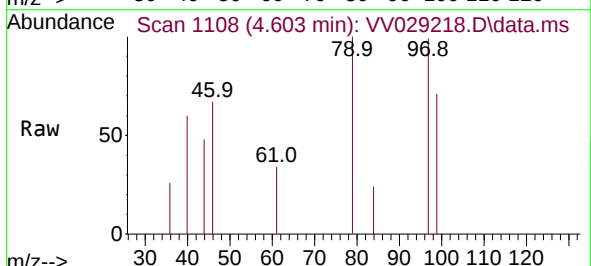
Tgt Ion: 97 Resp: 923

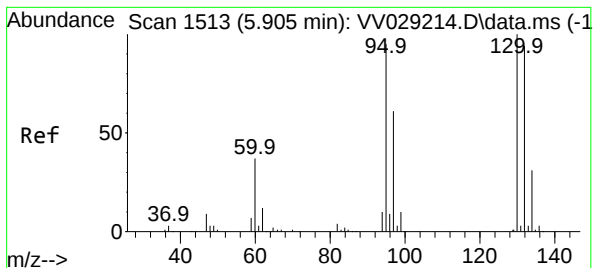
Ion Ratio Lower Upper

97 100

99 61.1 52.7 79.1

61 25.0 33.8 50.6#





#34

Trichloroethene

Concen: 11.313 ug/L

RT: 5.908 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV029218.D

Acq: 20 Nov 2022 12:22

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 323844

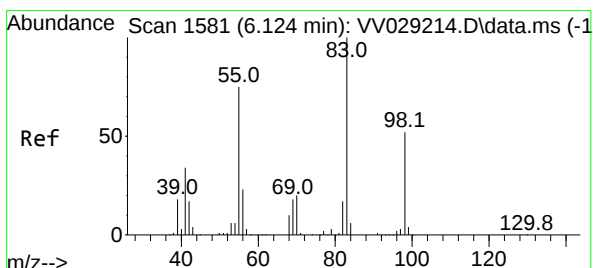
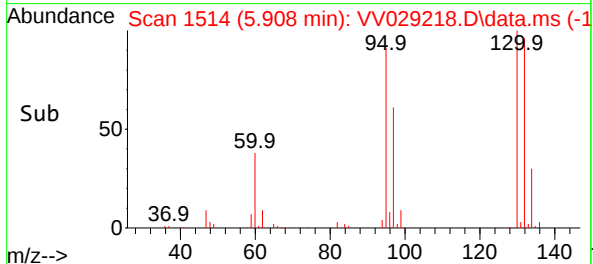
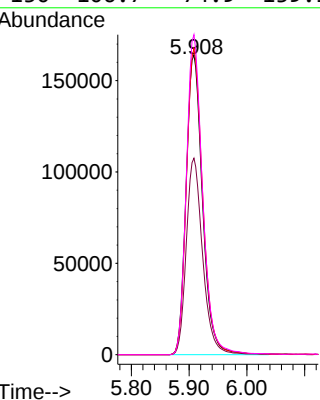
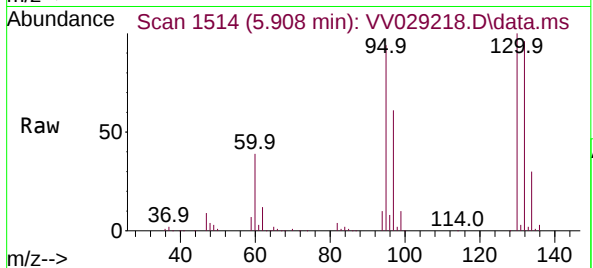
Ion Ratio Lower Upper

95 100

97 65.6 45.6 84.8

132 102.1 69.1 128.3

130 106.7 74.9 139.1



#35

Methylcyclohexane

Concen: 0.749 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.061 min

Lab File: VV029218.D

Acq: 20 Nov 2022 12:22

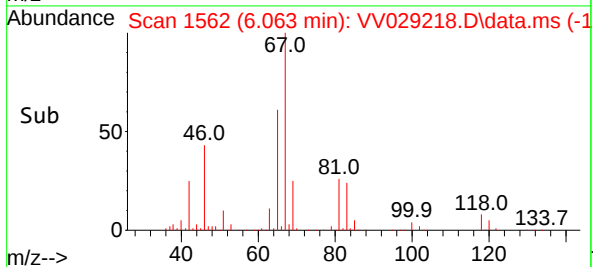
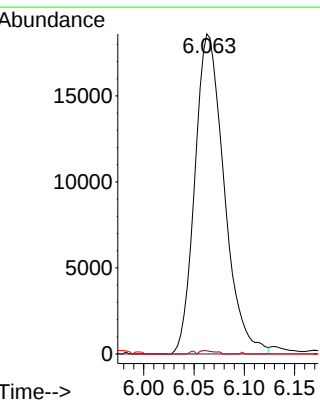
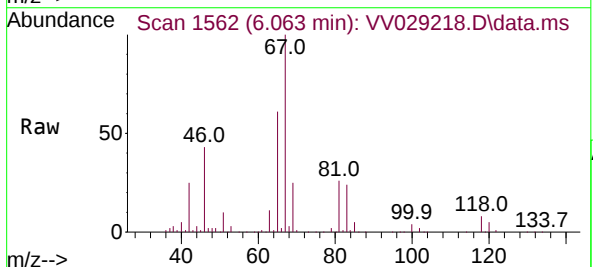
Tgt Ion: 83 Resp: 37696

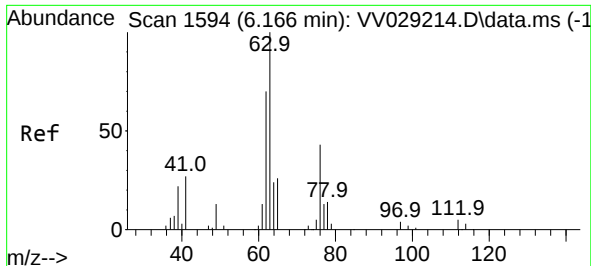
Ion Ratio Lower Upper

83 100

55 0.5 55.8 83.6#

98 1.8 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.655 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV029218.D

Acq: 20 Nov 2022 12:22

Instrument :

MSVOA_V

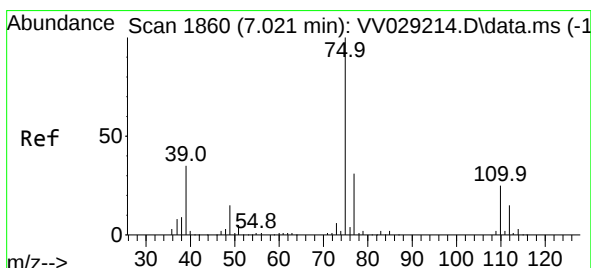
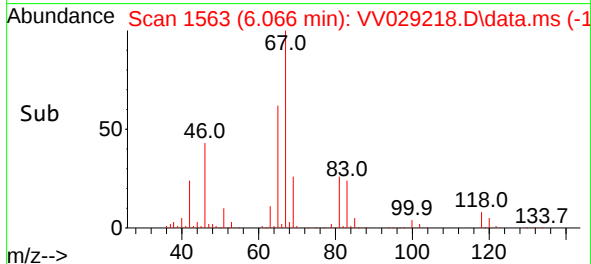
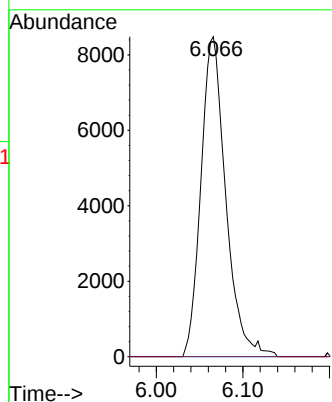
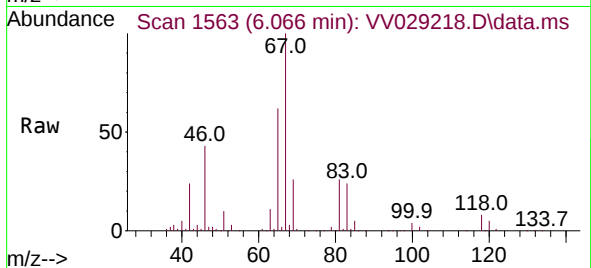
ClientSampleId :

Tgt Ion: 63 Resp: 16894

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 6.982 min Scan# 1848

Delta R.T. -0.039 min

Lab File: VV029218.D

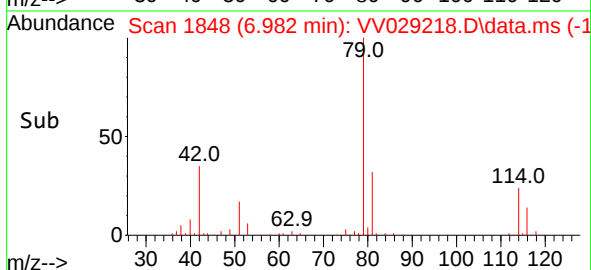
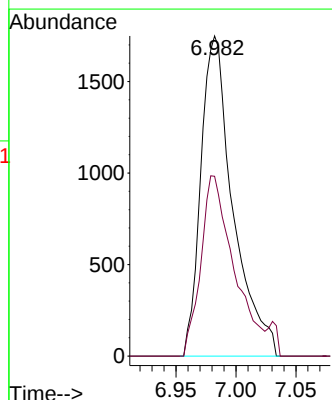
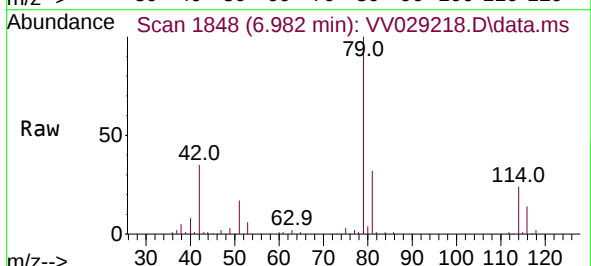
Acq: 20 Nov 2022 12:22

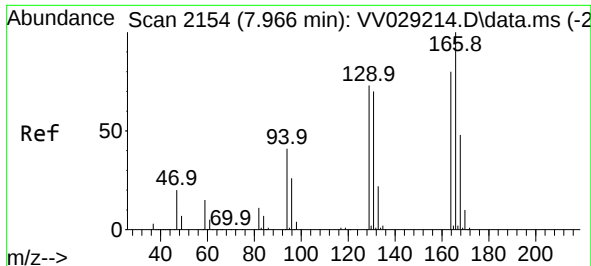
Tgt Ion: 75 Resp: 3253

Ion Ratio Lower Upper

75 100

77 56.1 21.8 40.6#

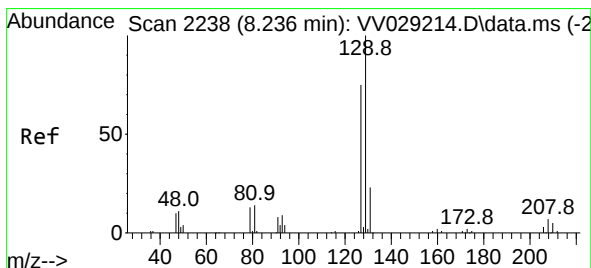
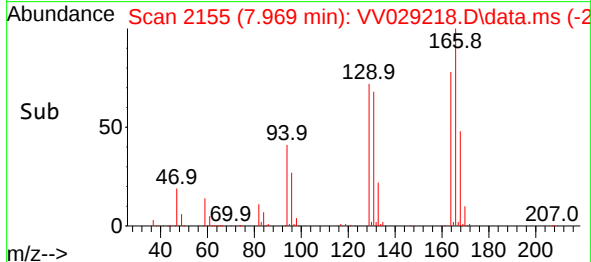
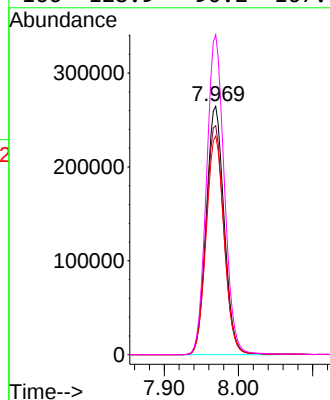
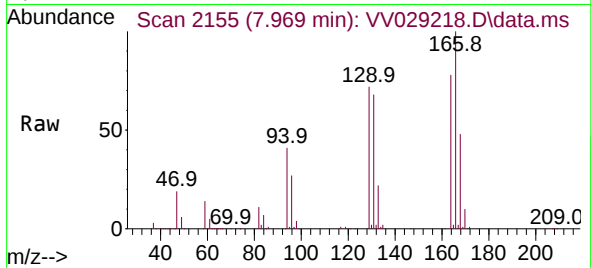




#47
Tetrachloroethene
Concen: 19.309 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. 0.003 min
Lab File: VV029218.D
Acq: 20 Nov 2022 12:22

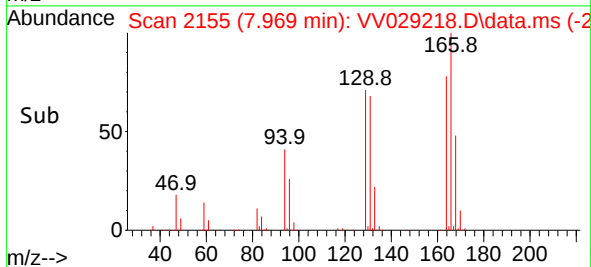
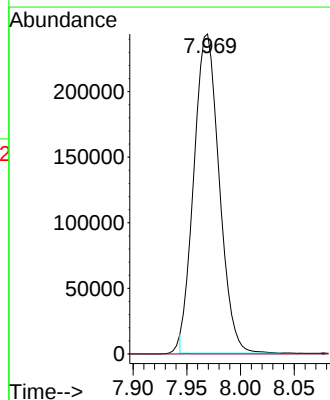
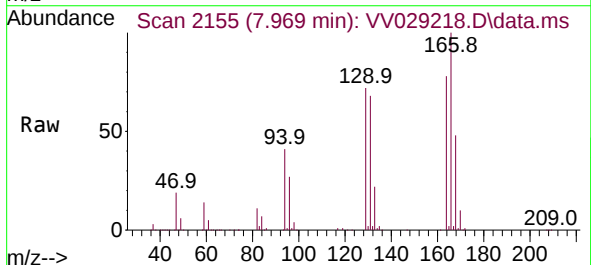
Instrument :
MSVOA_V
ClientSampleId :

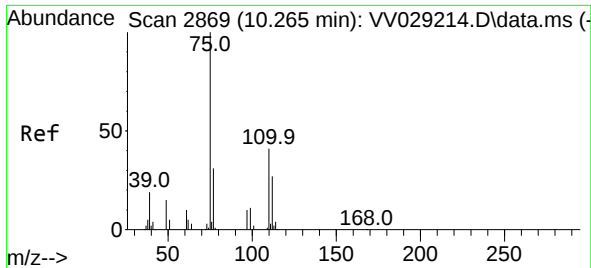
Tgt Ion:164 Resp: 442579
Ion Ratio Lower Upper
164 100
129 92.2 63.9 118.7
131 88.1 61.8 114.8
166 128.9 90.2 167.4



#49
Dibromochloromethane
Concen: 19.516 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.267 min
Lab File: VV029218.D
Acq: 20 Nov 2022 12:22

Tgt Ion:129 Resp: 398278
Ion Ratio Lower Upper
129 100
127 0.0 54.5 101.1#





#61

1,2,3-Trichloropropane

Concen: 0.060 ug/L

RT: 10.378 min Scan# 2904

Delta R.T. 0.112 min

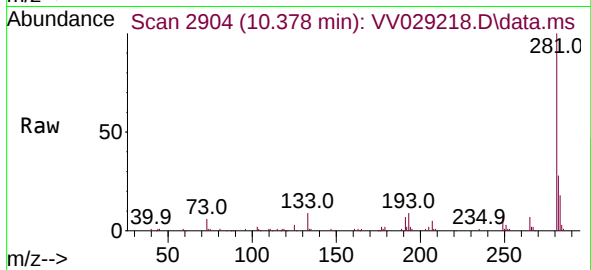
Lab File: VV029218.D

Acq: 20 Nov 2022 12:22

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	75	Resp:	703
Ion	Ratio	Lower	Upper
75	100		
77	0.0	26.2	39.2#
110	47.2	32.6	48.8

