

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112022\
 Data File : VW029228.D
 Acq On : 20 Nov 2022 16:26
 Operator : SY/MD
 Sample : N5652-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1L4

Quant Time: Nov 21 00:58:46 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	5.613	114	325315	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	302642	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	129483	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	96961	4.889	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.800%
7) Chloroethane-d5	1.568	69	79691	4.571	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.400%
11) 1,1-Dichloroethene-d2	2.108	63	139383	3.856	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.200%
20) 2-Butanone-d5	3.896	46	195801	58.978	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.960%
24) Chloroform-d	4.343	84	182737	4.488	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
26) 1,2-Dichloroethane-d4	5.031	65	86475	4.720	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
32) Benzene-d6	5.043	84	379689	4.203	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.000%
36) 1,2-Dichloropropane-d6	6.063	67	113978	4.518	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.400%
41) Toluene-d8	7.310	98	331946	4.082	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.600%
43) trans-1,3-Dichloroprop...	7.622	79	34181	4.155	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.000%
46) 2-Hexanone-d5	8.088	63	151581	43.165	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.320%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	80862	4.624	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.400%
66) 1,2-Dichlorobenzene-d4	11.616	152	120034	5.182	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	2070	0.076	ug/L	93
3) Chloromethane	1.240	50	3081	0.137	ug/L	86
9) Trichlorofluoromethane	1.751	101	8587296	248.077	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	151605	7.735	ug/L	99
12) 1,1-Dichloroethene	2.118	96	34953	1.775	ug/L #	53
16) Methylene chloride	2.503	84	5580	0.219	ug/L	94
17) Methyl tert-butyl Ether	2.764	73	311180	7.370	ug/L	99
19) 1,1-Dichloroethane	3.185	63	260230	6.969	ug/L	99
22) cis-1,2-Dichloroethene	3.912	96	12741	0.549	ug/L	98
25) Chloroform	4.368	83	36796	0.940	ug/L	88
27) 1,2-Dichloroethane	5.146	62	2663	0.132	ug/L #	77
29) 1,1,1-Trichloroethane	4.606	97	12712	0.358	ug/L	99
31) Carbon tetrachloride	4.825	117	4423	0.145	ug/L	99
34) Trichloroethene	5.908	95	141790	5.989	ug/L	97
38) Bromodichloromethane	6.513	83	1798	0.067	ug/L #	76
45) 1,1,2-Trichloroethane	7.844	97	846	0.061	ug/L	84
47) Tetrachloroethene	7.973	164	2272	0.120	ug/L	97

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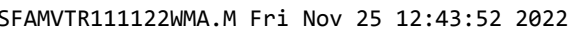
Instrument :
MSVOA_V
ClientSampleId :
BH1L4

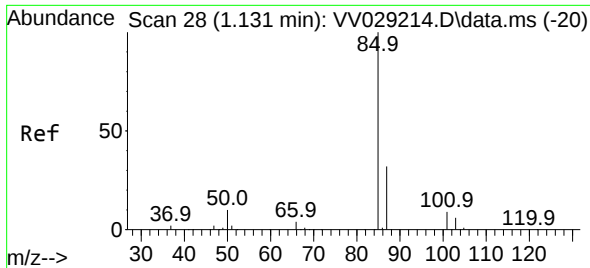
Quant Time: Nov 21 00:58:46 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Nov 21 00:54:18 2022
Response via : Initial Calibration

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

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
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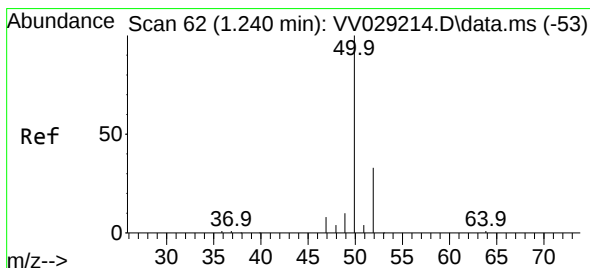
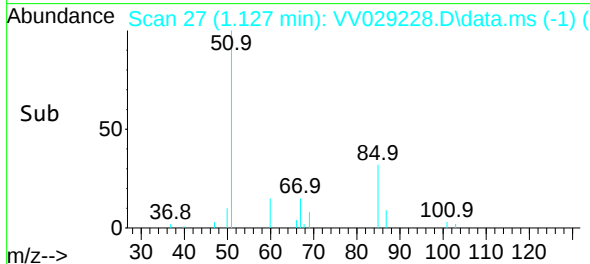
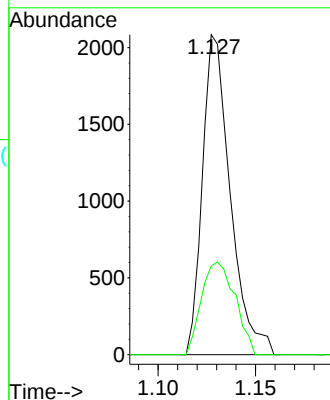
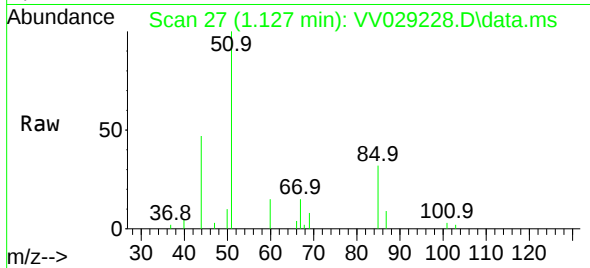




#2
 Dichlorodifluoromethane
 Concen: 0.076 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VV029228.D
 Acq: 20 Nov 2022 16:26

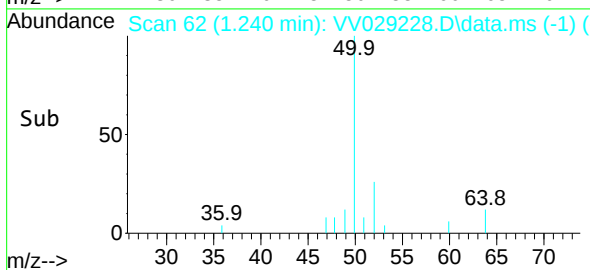
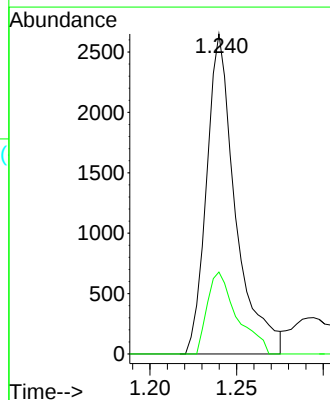
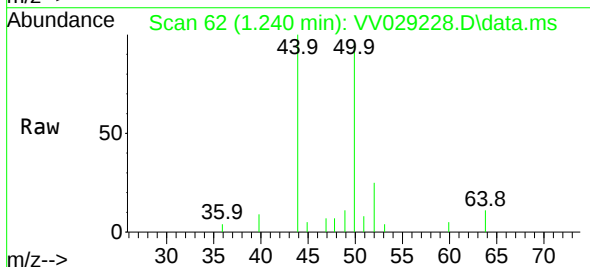
Instrument :
 MSVOA_V
 ClientSampleId :
 BH1L4

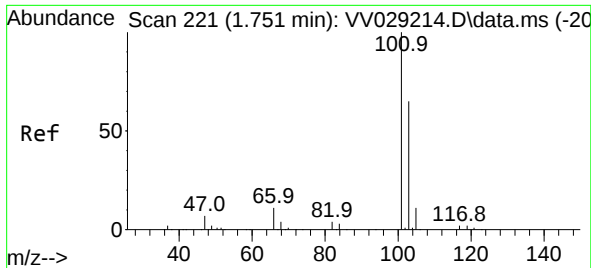
Tgt Ion: 85 Resp: 2070
 Ion Ratio Lower Upper
 85 100
 87 34.8 25.0 37.4



#3
 Chloromethane
 Concen: 0.137 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029228.D
 Acq: 20 Nov 2022 16:26

Tgt Ion: 50 Resp: 3081
 Ion Ratio Lower Upper
 50 100
 52 25.6 23.7 43.9

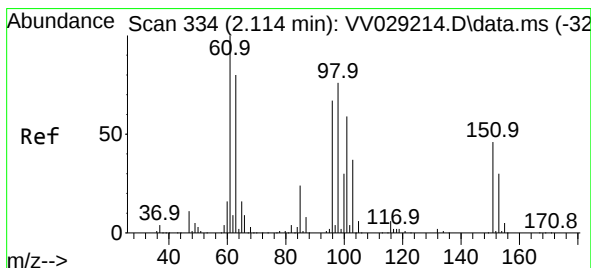
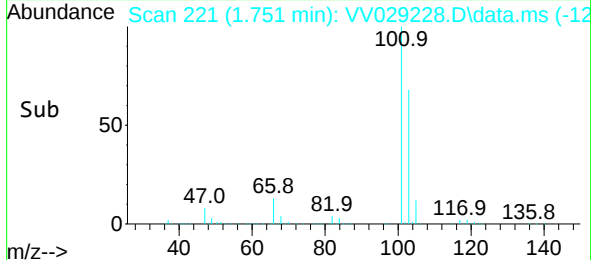
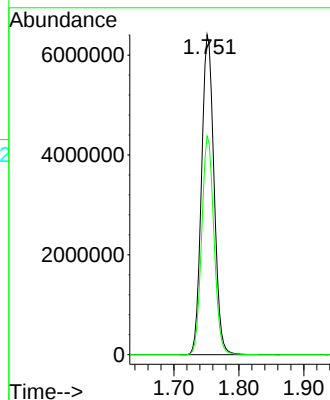
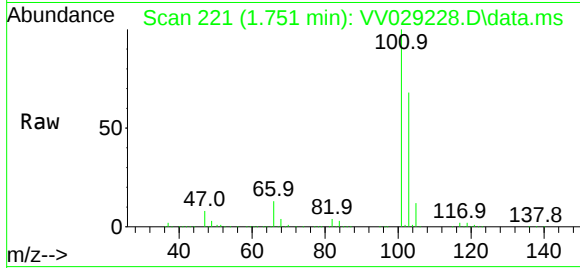




#9
 Trichlorofluoromethane
 Concen: 248.077 ug/L
 RT: 1.751 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029228.D
 Acq: 20 Nov 2022 16:26

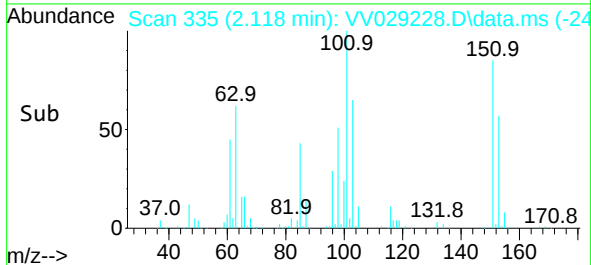
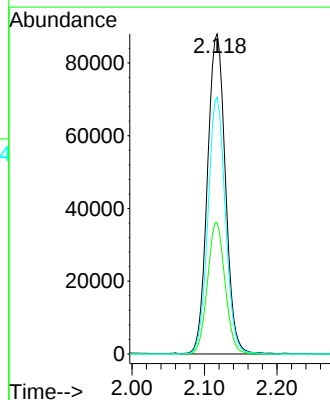
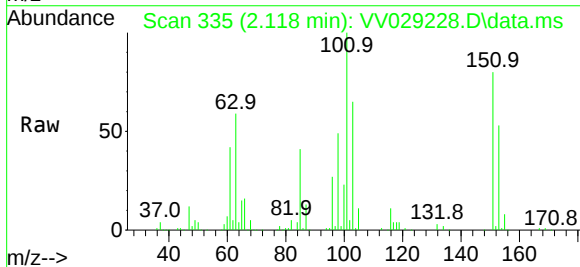
Instrument :
 MSVOA_V
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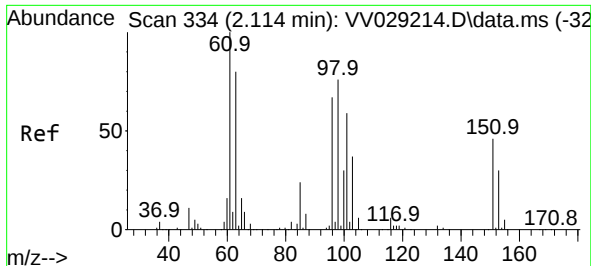
Tgt Ion:101 Resp: 8587296
 Ion Ratio Lower Upper
 101 100
 103 67.2 51.3 76.9



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 7.735 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.003 min
 Lab File: VV029228.D
 Acq: 20 Nov 2022 16:26

Tgt Ion:101 Resp: 151605
 Ion Ratio Lower Upper
 101 100
 85 40.1 32.9 49.3
 151 77.8 62.5 93.7





#12

1,1-Dichloroethene

Concen: 1.775 ug/L

RT: 2.118 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV029228.D

Acq: 20 Nov 2022 16:26

Instrument :

MSVOA_V

ClientSampleId :

BH1L4

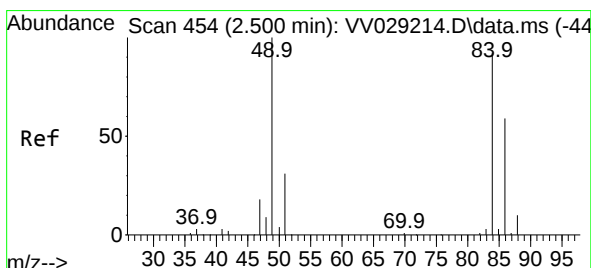
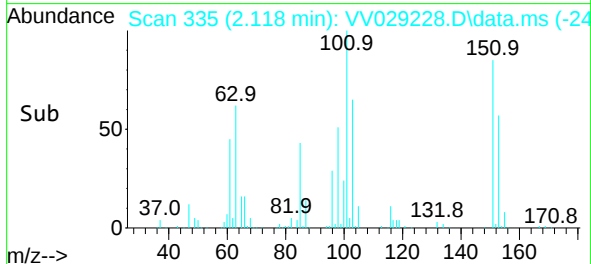
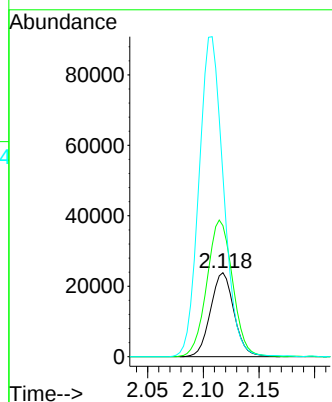
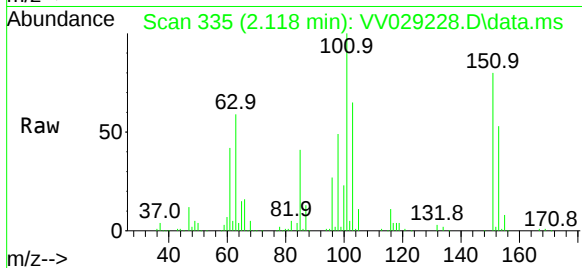
Tgt Ion: 96 Resp: 34953

Ion Ratio Lower Upper

96 100

61 156.1 104.2 193.4

63 216.1 75.9 140.9#



#16

Methylene chloride

Concen: 0.219 ug/L

RT: 2.503 min Scan# 455

Delta R.T. 0.003 min

Lab File: VV029228.D

Acq: 20 Nov 2022 16:26

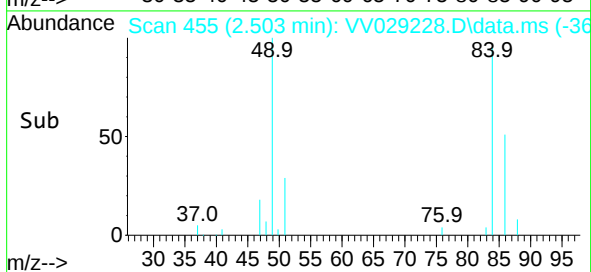
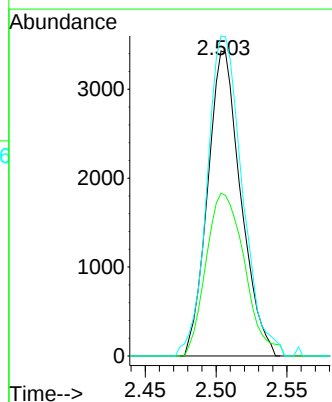
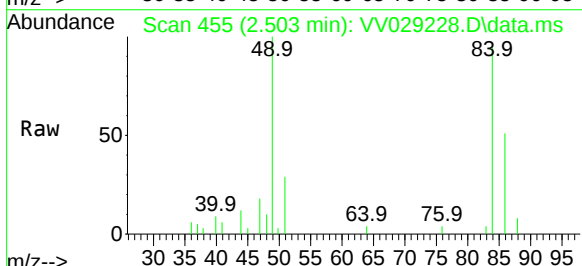
Tgt Ion: 84 Resp: 5580

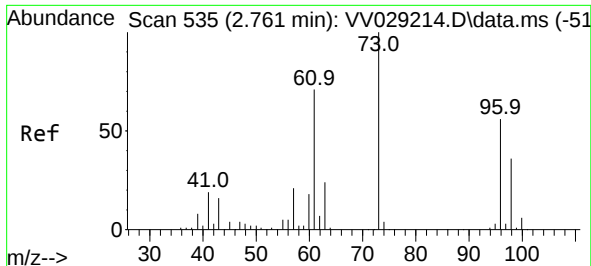
Ion Ratio Lower Upper

84 100

86 53.4 45.8 85.0

49 108.5 75.5 140.1





#17

Methyl tert-butyl Ether

Concen: 7.370 ug/L

RT: 2.764 min Scan# 511

Delta R.T. 0.003 min

Lab File: VV029228.D

Acq: 20 Nov 2022 16:26

Instrument :

MSVOA_V

ClientSampleId :

BH1L4

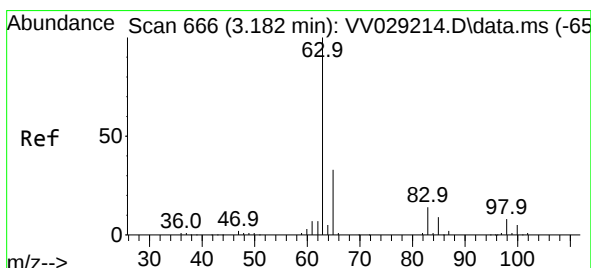
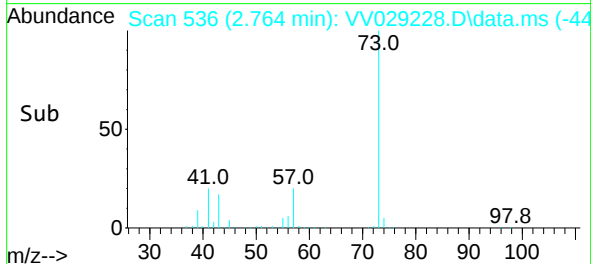
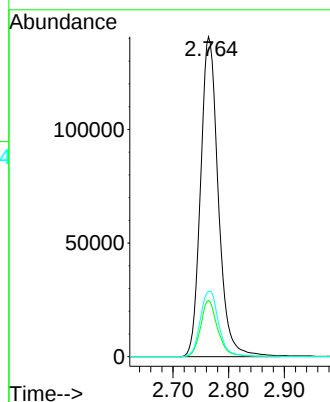
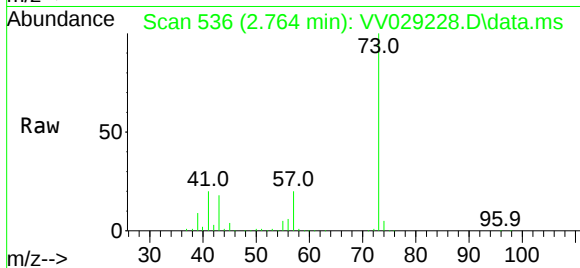
Tgt Ion: 73 Resp: 311180

Ion Ratio Lower Upper

73 100

43 16.9 13.0 19.4

57 21.3 16.6 24.8



#19

1,1-Dichloroethane

Concen: 6.969 ug/L

RT: 3.185 min Scan# 667

Delta R.T. 0.003 min

Lab File: VV029228.D

Acq: 20 Nov 2022 16:26

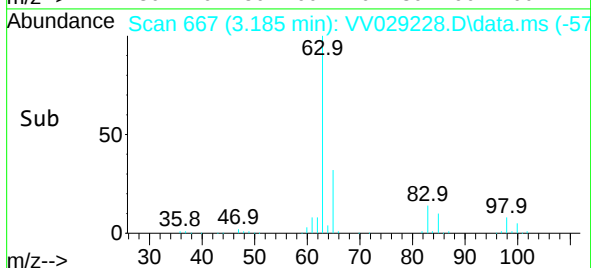
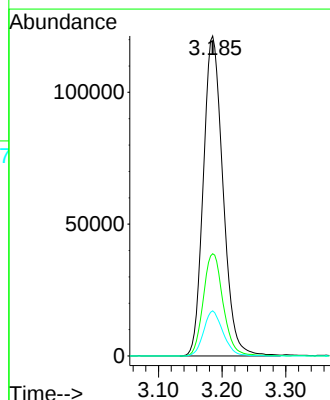
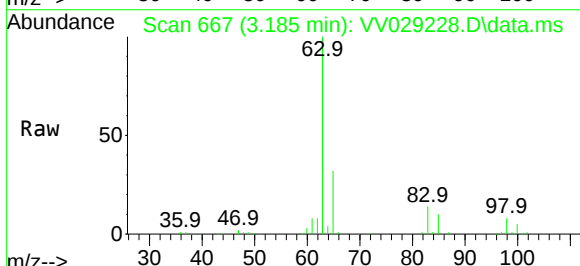
Tgt Ion: 63 Resp: 260230

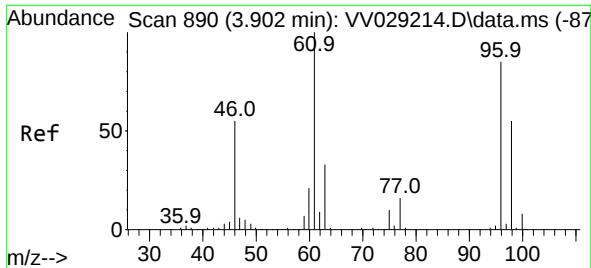
Ion Ratio Lower Upper

63 100

65 32.0 23.0 42.6

83 14.1 9.4 17.6

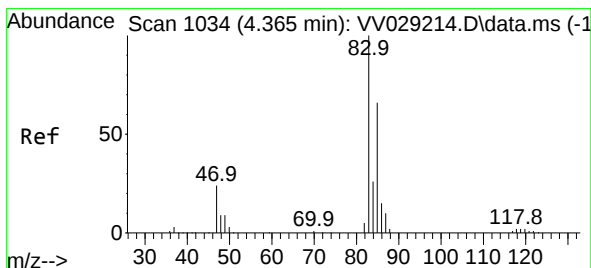
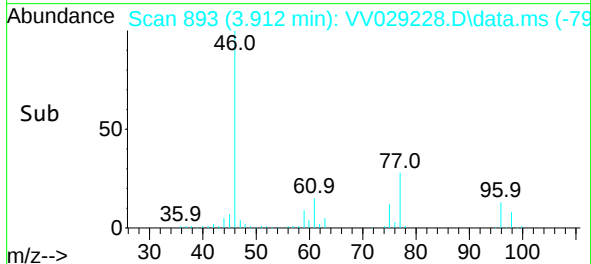
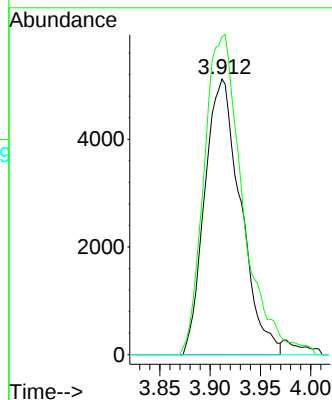
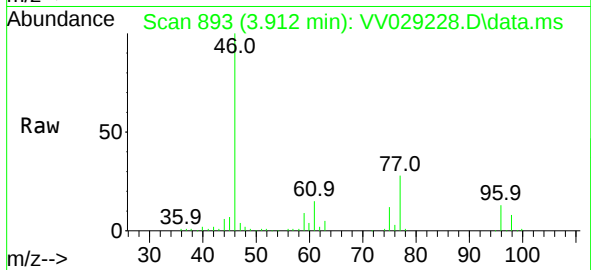




#22
cis-1,2-Dichloroethene
Concen: 0.549 ug/L
RT: 3.912 min Scan# 891
Delta R.T. 0.010 min
Lab File: VV029228.D
Acq: 20 Nov 2022 16:26

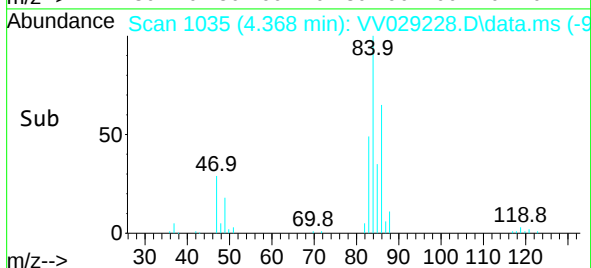
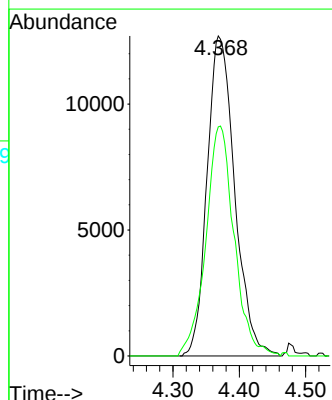
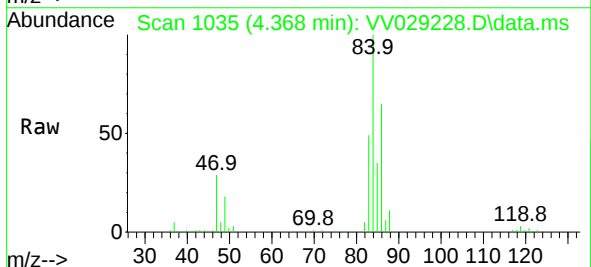
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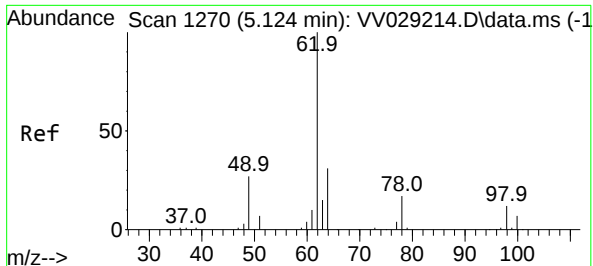
Tgt Ion: 96 Resp: 12741
Ion Ratio Lower Upper
96 100
61 115.4 82.3 152.9
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.940 ug/L
RT: 4.368 min Scan# 1035
Delta R.T. 0.003 min
Lab File: VV029228.D
Acq: 20 Nov 2022 16:26

Tgt Ion: 83 Resp: 36796
Ion Ratio Lower Upper
83 100
85 71.6 43.7 81.1





#27

1,2-Dichloroethane

Concen: 0.132 ug/L

RT: 5.146 min Scan# 1109

Delta R.T. 0.022 min

Lab File: VV029228.D

Acq: 20 Nov 2022 16:26

Instrument :

MSVOA_V

ClientSampleId :

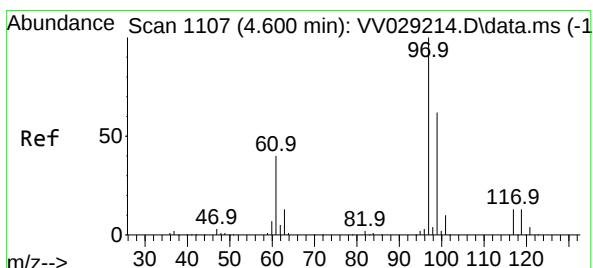
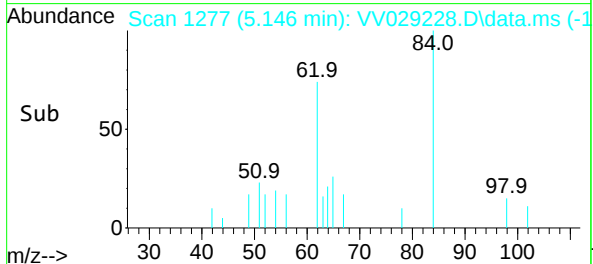
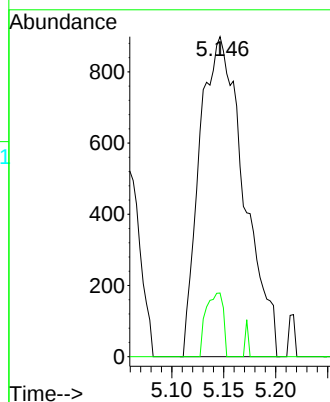
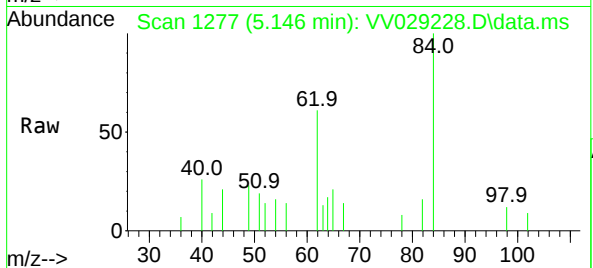
BH1L4

Tgt Ion: 62 Resp: 2663

Ion Ratio Lower Upper

62 100

98 19.9 9.0 13.6#



#29

1,1,1-Trichloroethane

Concen: 0.358 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VV029228.D

Acq: 20 Nov 2022 16:26

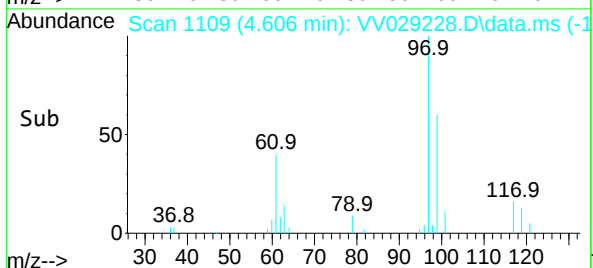
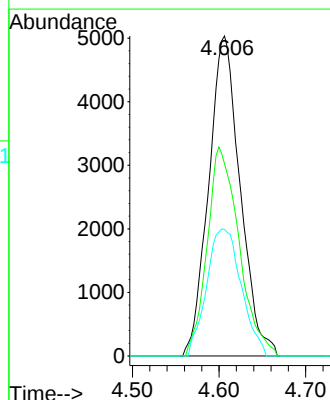
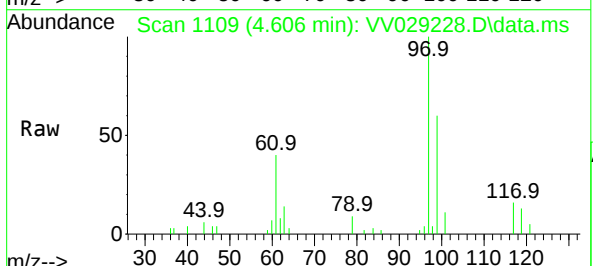
Tgt Ion: 97 Resp: 12712

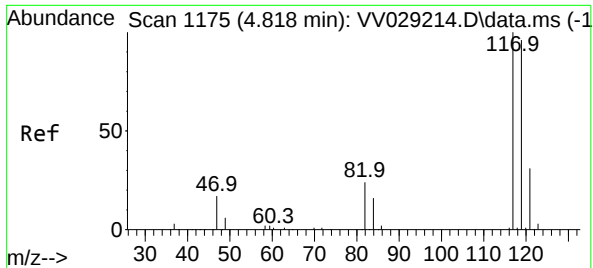
Ion Ratio Lower Upper

97 100

99 66.1 52.7 79.1

61 43.6 33.8 50.6

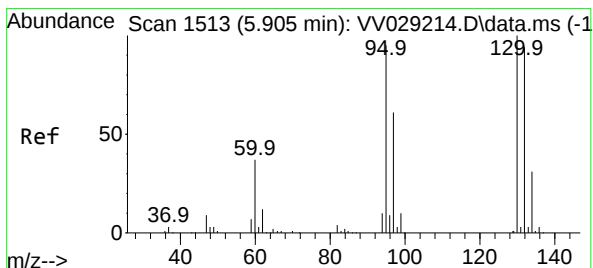
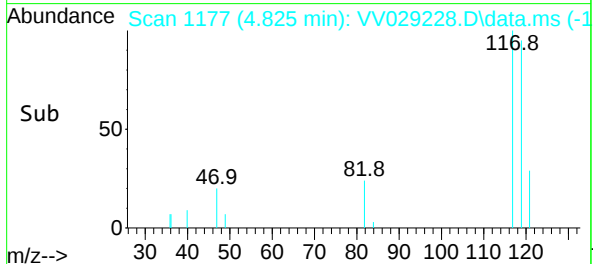
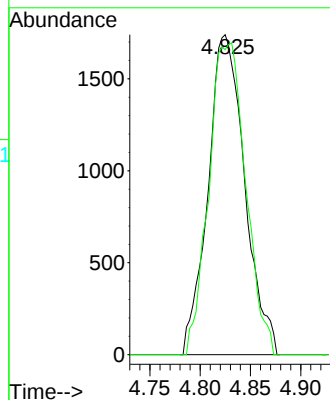
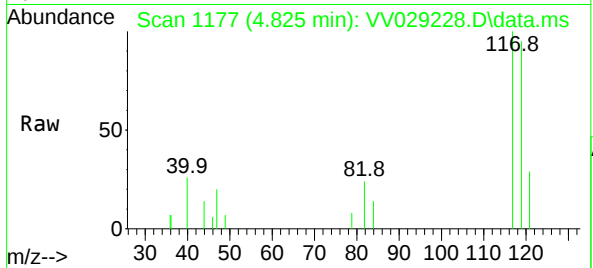




#31
Carbon tetrachloride
Concen: 0.145 ug/L
RT: 4.825 min Scan# 1175
Delta R.T. 0.006 min
Lab File: VV029228.D
Acq: 20 Nov 2022 16:26

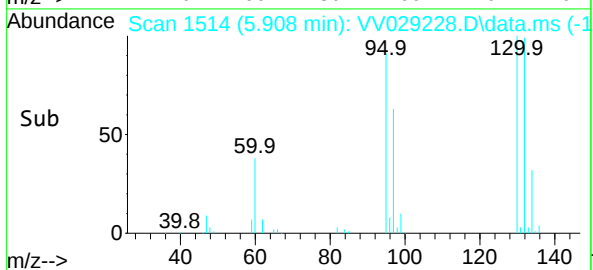
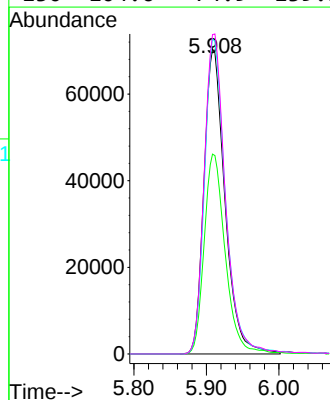
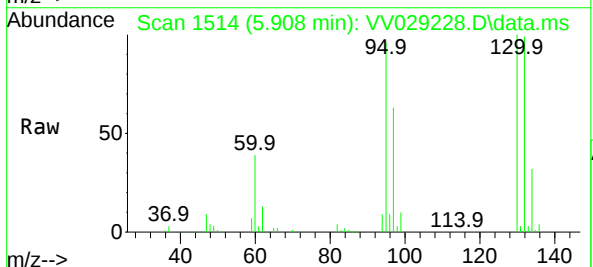
Instrument :
MSVOA_V
ClientSampleId :
BH1L4

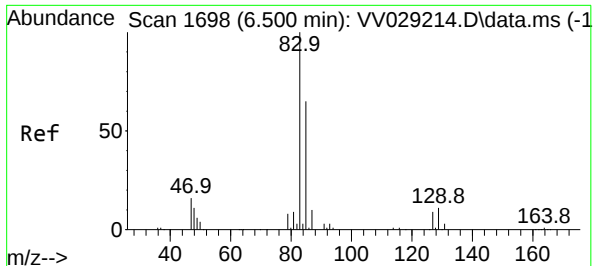
Tgt Ion:117 Resp: 4423
Ion Ratio Lower Upper
117 100
119 97.8 77.0 115.6



#34
Trichloroethene
Concen: 5.989 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.003 min
Lab File: VV029228.D
Acq: 20 Nov 2022 16:26

Tgt Ion: 95 Resp: 141790
Ion Ratio Lower Upper
95 100
97 65.5 45.6 84.8
132 103.3 69.1 128.3
130 104.6 74.9 139.1

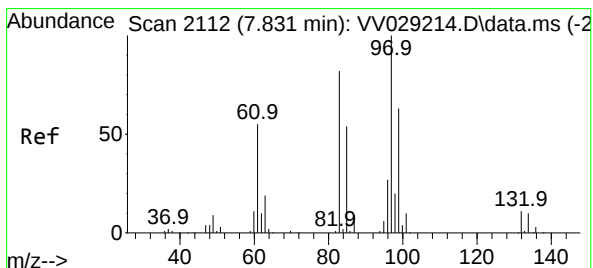
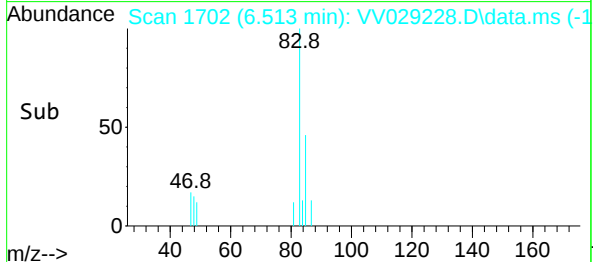
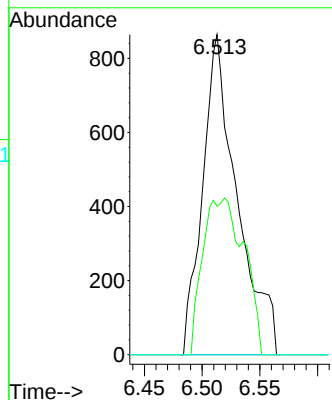
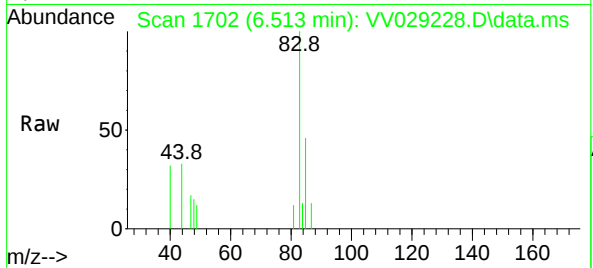




#38
Bromodichloromethane
Concen: 0.067 ug/L
RT: 6.513 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV029228.D
Acq: 20 Nov 2022 16:26

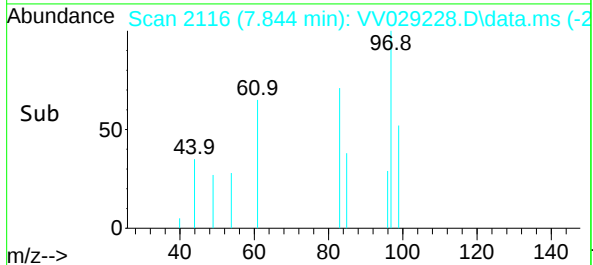
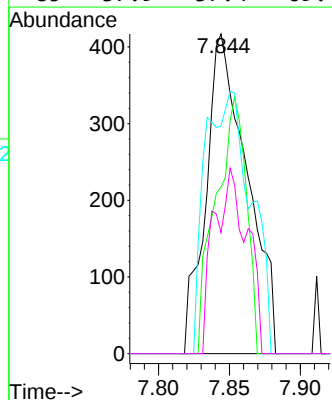
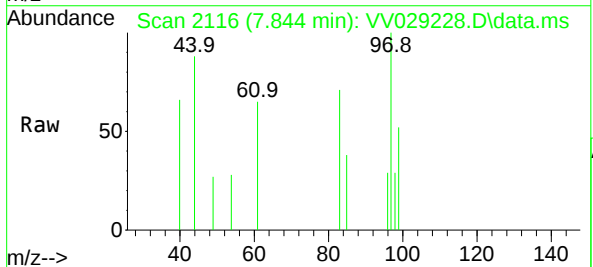
Instrument :
MSVOA_V
ClientSampleId :
BH1L4

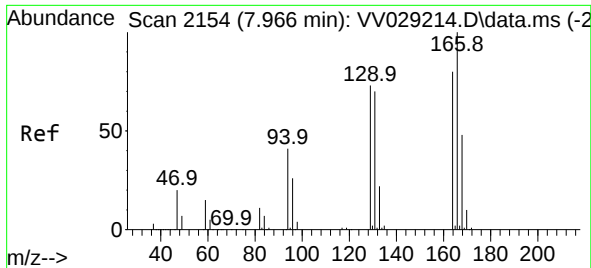
Tgt Ion: 83 Resp: 1798
Ion Ratio Lower Upper
83 100
85 46.4 46.1 85.5
127 0.0 6.7 10.1#



#45
1,1,2-Trichloroethane
Concen: 0.061 ug/L
RT: 7.844 min Scan# 2116
Delta R.T. 0.013 min
Lab File: VV029228.D
Acq: 20 Nov 2022 16:26

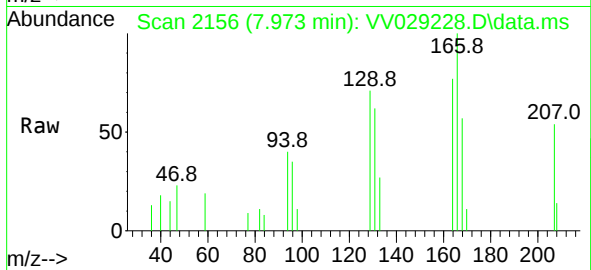
Tgt Ion: 97 Resp: 846
Ion Ratio Lower Upper
97 100
99 52.0 41.5 77.1
83 71.2 60.0 111.4
85 37.9 37.4 69.4





#47
 Tetrachloroethene
 Concen: 0.120 ug/L
 RT: 7.973 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VV029228.D
 Acq: 20 Nov 2022 16:26

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1L4



Tgt Ion:164 Resp: 2272

Ion	Ratio	Lower	Upper
164	100		
129	93.0	63.9	118.7
131	81.2	61.8	114.8
166	130.1	90.2	167.4

