

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112022\
 Data File : VW029229.D
 Acq On : 20 Nov 2022 16:51
 Operator : SY/MD
 Sample : N5652-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1L5

Quant Time: Nov 21 00:59:02 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	323076	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	290732	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	134893	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	94962	4.821	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.400%
7) Chloroethane-d5	1.568	69	79576	4.596	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.000%
11) 1,1-Dichloroethene-d2	2.108	63	132780	3.699	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.000%
20) 2-Butanone-d5	3.889	46	176803	53.624	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.240%
24) Chloroform-d	4.342	84	183516	4.538	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	5.027	65	84078	4.621	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
32) Benzene-d6	5.047	84	377173	4.346	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
36) 1,2-Dichloropropane-d6	6.066	67	113293	4.675	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.600%
41) Toluene-d8	7.310	98	328820	4.209	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.200%
43) trans-1,3-Dichloroprop...	7.622	79	32580	4.122	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.400%
46) 2-Hexanone-d5	8.088	63	149942	44.447	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.900%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	76861	4.575	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	11.615	152	117749	4.879	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.600%

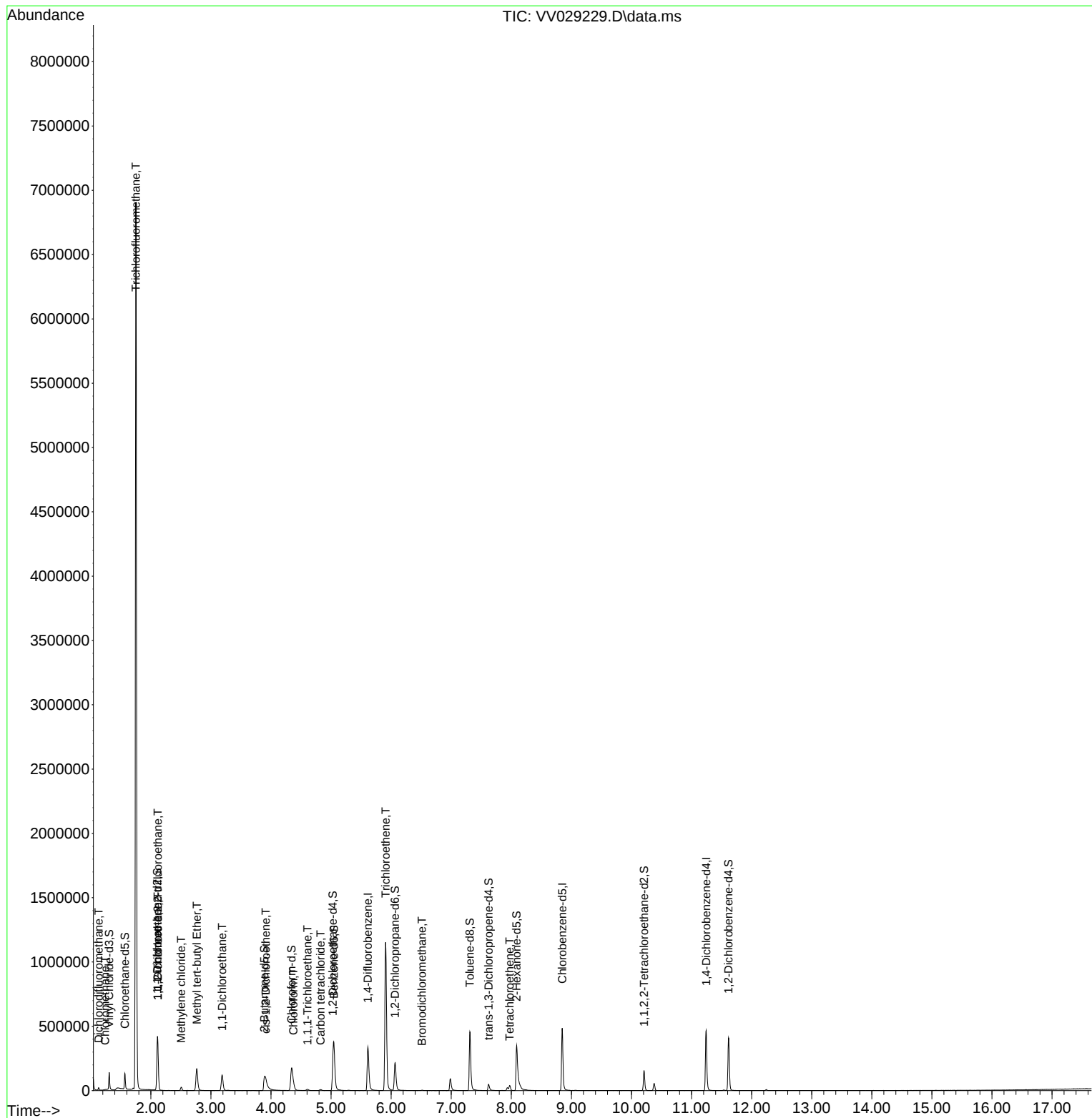
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.130	85	6672	0.248	ug/L	96
3) Chloromethane	1.240	50	3115	0.139	ug/L	99
9) Trichlorofluoromethane	1.751	101	4068003	118.334	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	69285	3.560	ug/L	97
12) 1,1-Dichloroethene	2.117	96	17532	0.896	ug/L #	1
16) Methylene chloride	2.503	84	11806	0.467	ug/L	99
17) Methyl tert-butyl Ether	2.764	73	182576	4.354	ug/L	98
19) 1,1-Dichloroethane	3.185	63	127612	3.441	ug/L	99
22) cis-1,2-Dichloroethene	3.912	96	17748	0.770	ug/L	96
25) Chloroform	4.371	83	45578	1.172	ug/L	94
29) 1,1,1-Trichloroethane	4.606	97	7959	0.233	ug/L	98
31) Carbon tetrachloride	4.828	117	6322	0.215	ug/L	96
34) Trichloroethene	5.908	95	416154	18.297	ug/L	99
38) Bromodichloromethane	6.513	83	2801	0.108	ug/L	100
47) Tetrachloroethene	7.973	164	9973	0.548	ug/L	94

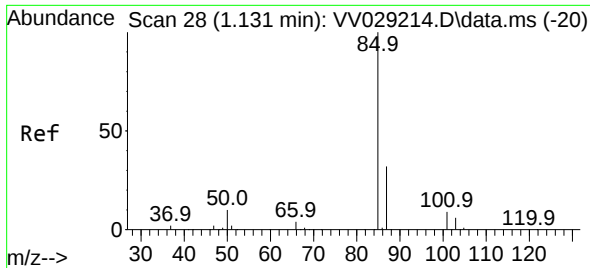
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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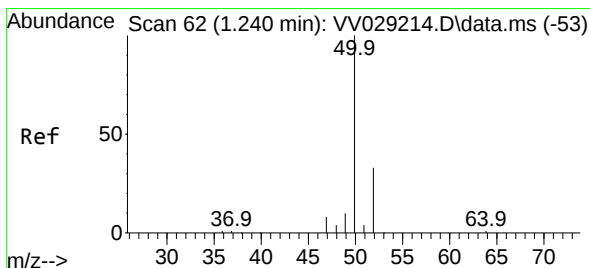
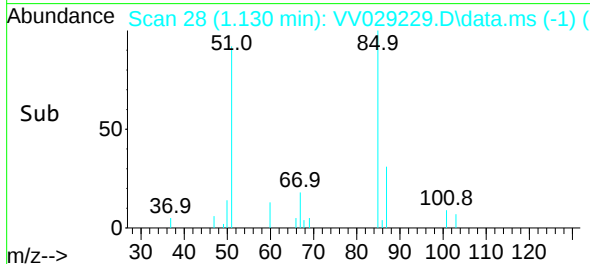
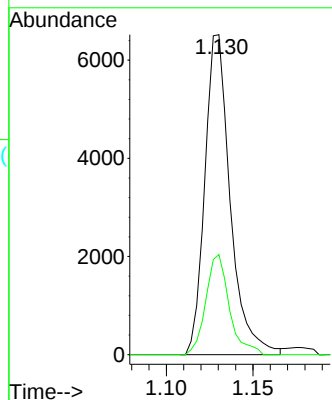
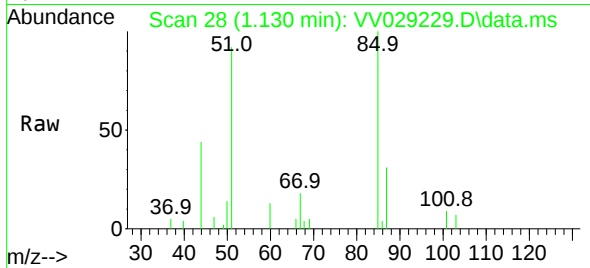




#2
 Dichlorodifluoromethane
 Concen: 0.248 ug/L
 RT: 1.130 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VV029229.D
 Acq: 20 Nov 2022 16:51

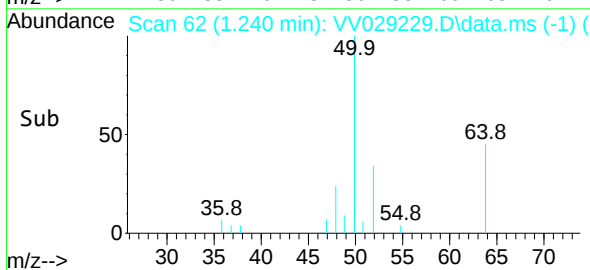
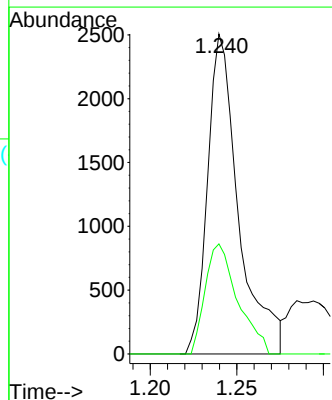
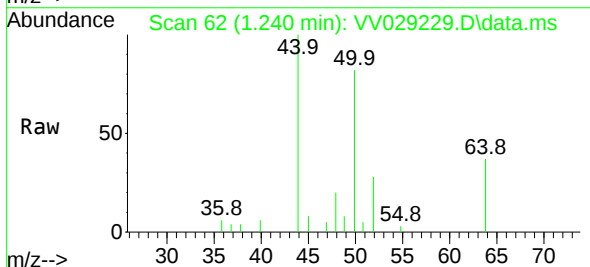
Instrument :
 MSVOA_V
 ClientSampleId :
 BH1L5

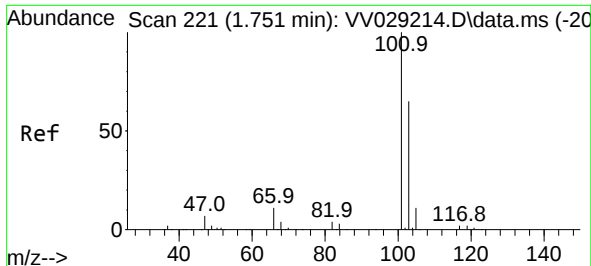
Tgt Ion: 85 Resp: 6672
 Ion Ratio Lower Upper
 85 100
 87 28.9 25.0 37.4



#3
 Chloromethane
 Concen: 0.139 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029229.D
 Acq: 20 Nov 2022 16:51

Tgt Ion: 50 Resp: 3115
 Ion Ratio Lower Upper
 50 100
 52 34.4 23.7 43.9

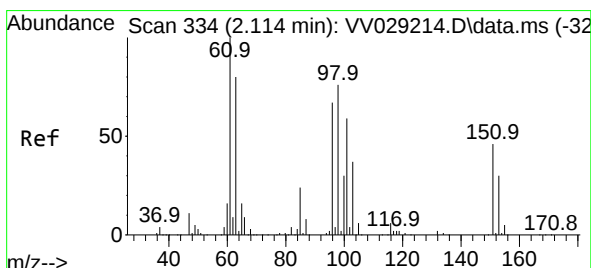
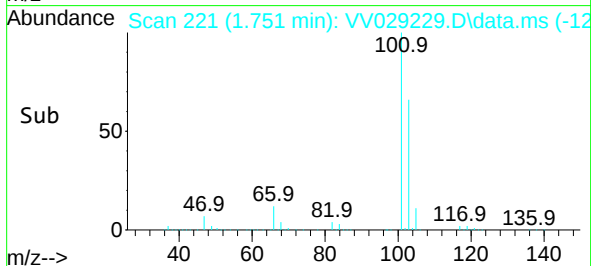
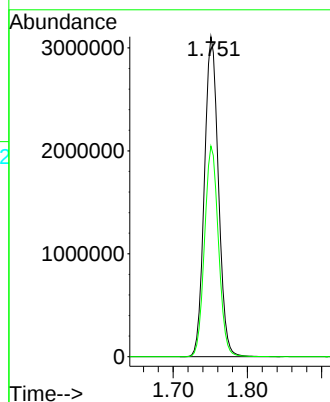
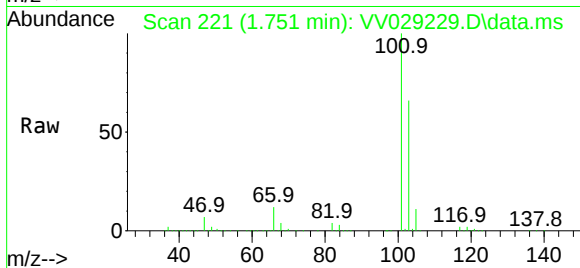




#9
 Trichlorofluoromethane
 Concen: 118.334 ug/L
 RT: 1.751 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029229.D
 Acq: 20 Nov 2022 16:51

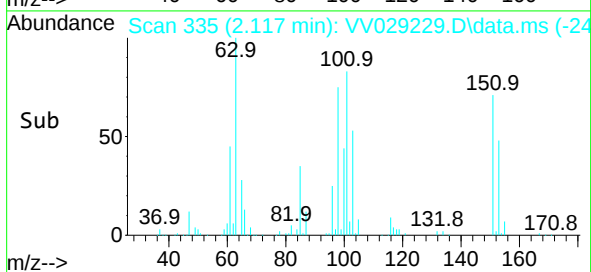
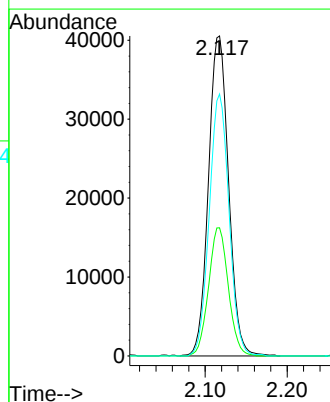
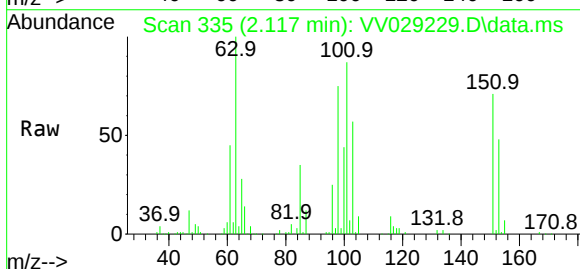
Instrument :
 MSVOA_V
 ClientSampleId :
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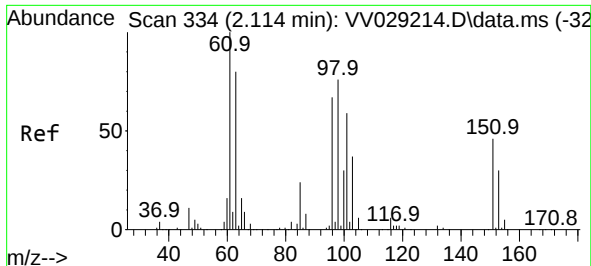
Tgt Ion:101 Resp: 4068003
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.3 76.9



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.560 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. 0.003 min
 Lab File: VV029229.D
 Acq: 20 Nov 2022 16:51

Tgt Ion:101 Resp: 69285
 Ion Ratio Lower Upper
 101 100
 85 39.3 32.9 49.3
 151 80.4 62.5 93.7





#12

1,1-Dichloroethene

Concen: 0.896 ug/L

RT: 2.117 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV029229.D

Acq: 20 Nov 2022 16:51

Instrument :

MSVOA_V

ClientSampleId :

BH1L5

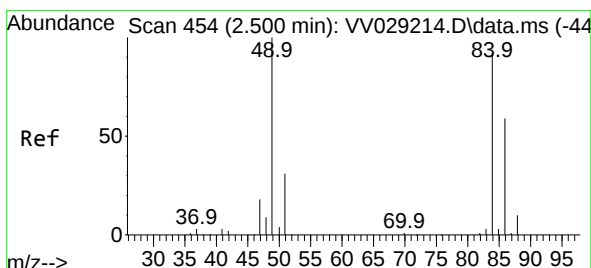
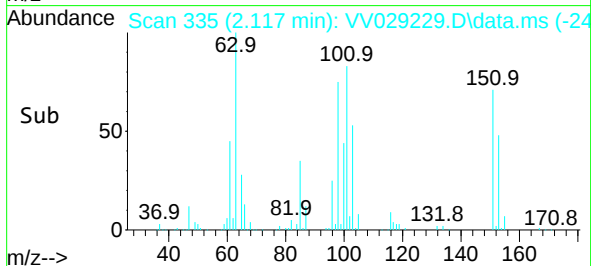
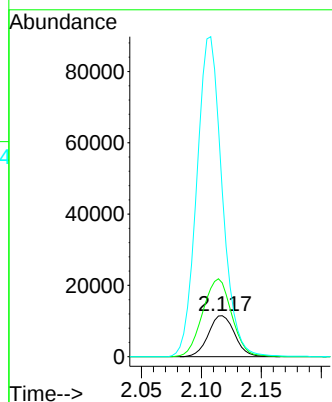
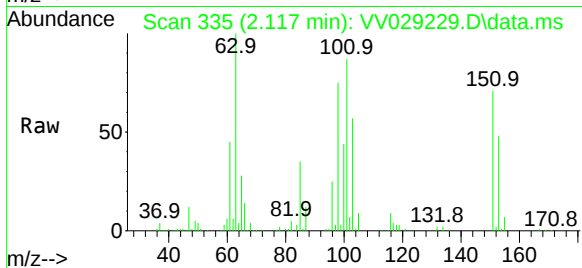
Tgt Ion: 96 Resp: 17532

Ion Ratio Lower Upper

96 100

61 180.4 104.2 193.4

63 404.5 75.9 140.9#



#16

Methylene chloride

Concen: 0.467 ug/L

RT: 2.503 min Scan# 455

Delta R.T. 0.003 min

Lab File: VV029229.D

Acq: 20 Nov 2022 16:51

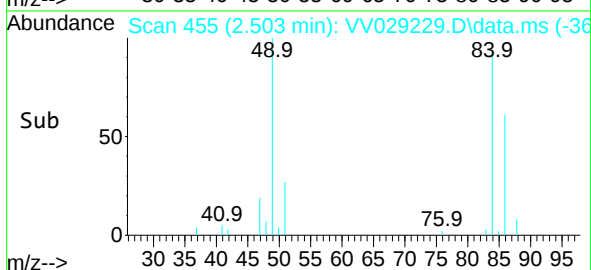
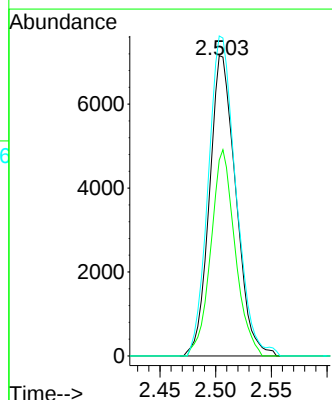
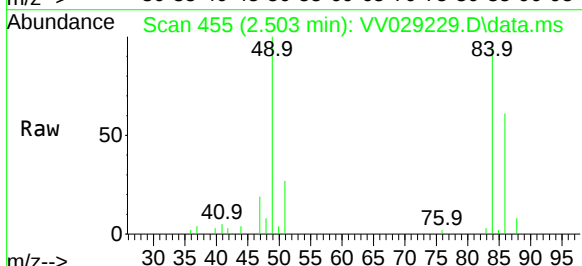
Tgt Ion: 84 Resp: 11806

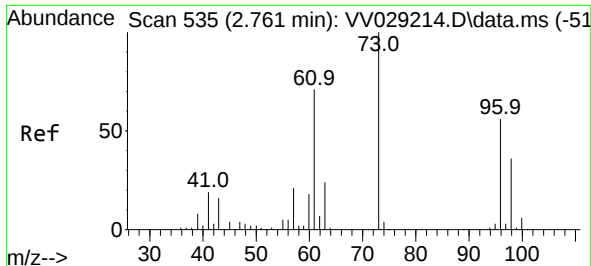
Ion Ratio Lower Upper

84 100

86 65.2 45.8 85.0

49 106.6 75.5 140.1

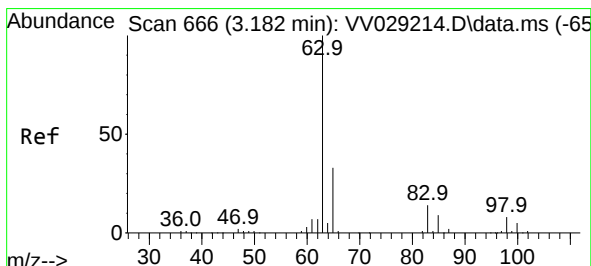
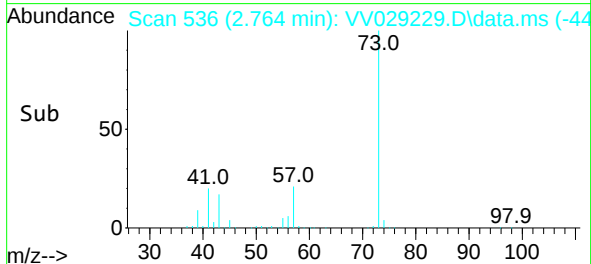
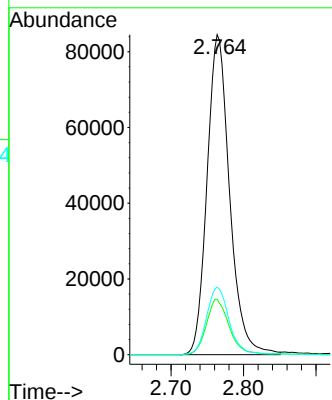
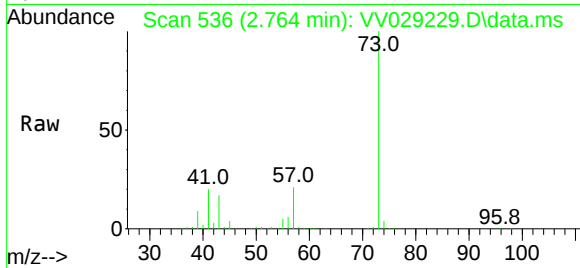




#17
Methyl tert-butyl Ether
Concen: 4.354 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV029229.D
Acq: 20 Nov 2022 16:51

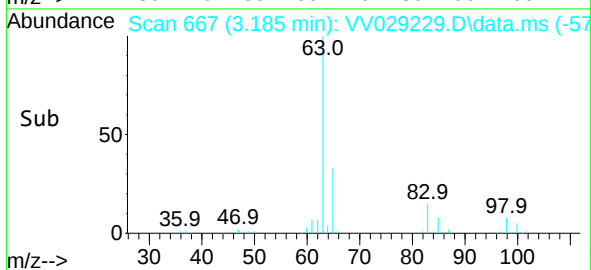
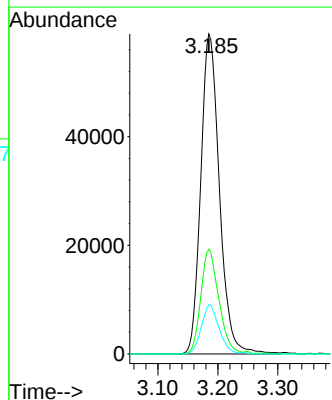
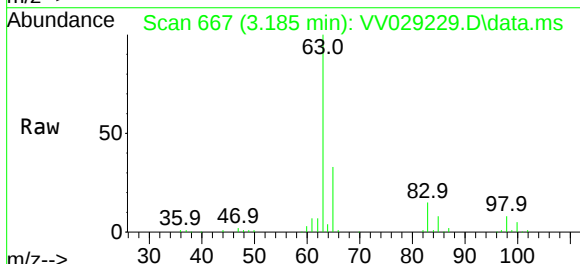
Instrument :
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ClientSampleId :
BH1L5

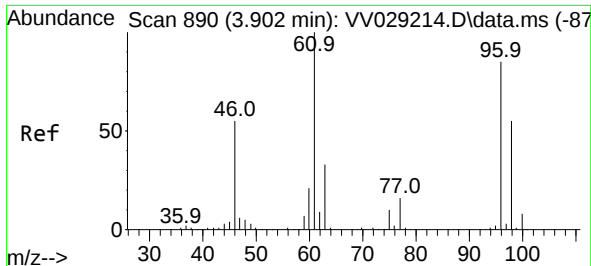
Tgt Ion: 73 Resp: 182576
Ion Ratio Lower Upper
73 100
43 17.5 13.0 19.4
57 21.1 16.6 24.8



#19
1,1-Dichloroethane
Concen: 3.441 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.003 min
Lab File: VV029229.D
Acq: 20 Nov 2022 16:51

Tgt Ion: 63 Resp: 127612
Ion Ratio Lower Upper
63 100
65 32.7 23.0 42.6
83 15.4 9.4 17.6





#22

cis-1,2-Dichloroethene

Concen: 0.770 ug/L

RT: 3.912 min Scan# 89

Delta R.T. 0.009 min

Lab File: VV029229.D

Acq: 20 Nov 2022 16:51

Instrument :

MSVOA_V

ClientSampleId :

BH1L5

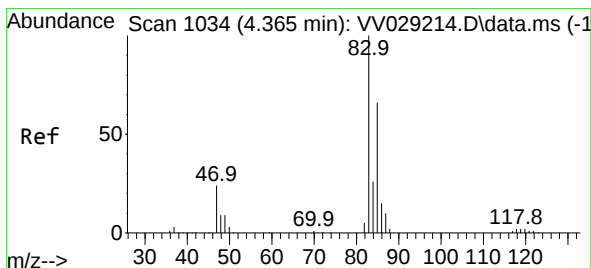
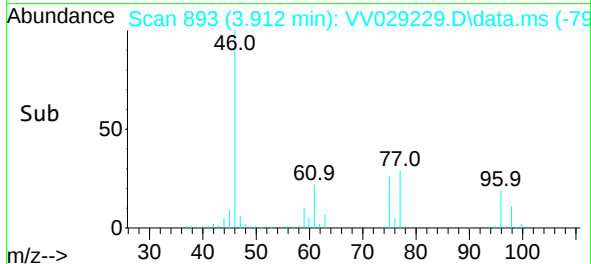
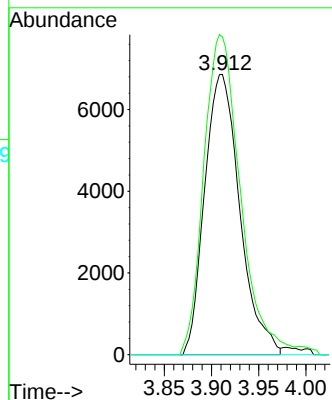
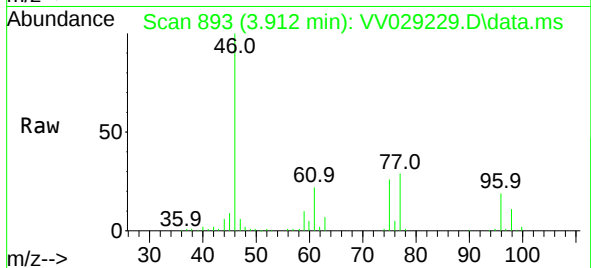
Tgt Ion: 96 Resp: 17748

Ion Ratio Lower Upper

96 100

61 113.5 82.3 152.9

68 0.0 0.0 0.0



#25

Chloroform

Concen: 1.172 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VV029229.D

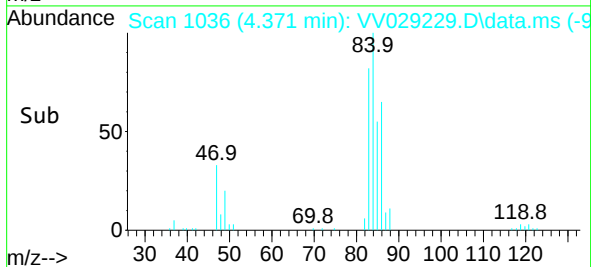
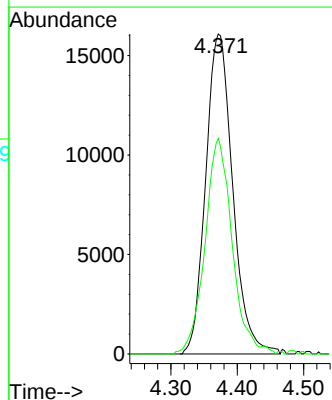
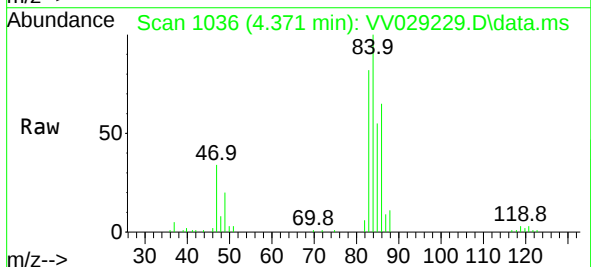
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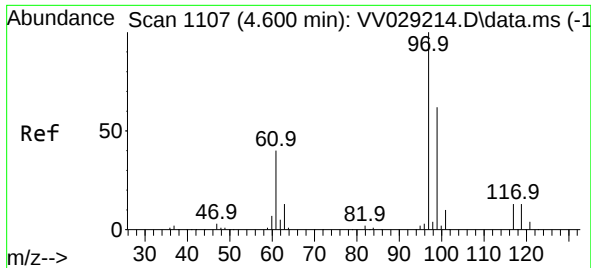
Tgt Ion: 83 Resp: 45578

Ion Ratio Lower Upper

83 100

85 67.3 43.7 81.1





#29

1,1,1-Trichloroethane

Concen: 0.233 ug/L

RT: 4.606 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VV029229.D

Acq: 20 Nov 2022 16:51

Instrument :

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ClientSampleId :

BH1L5

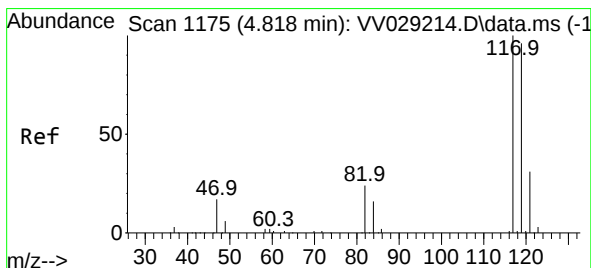
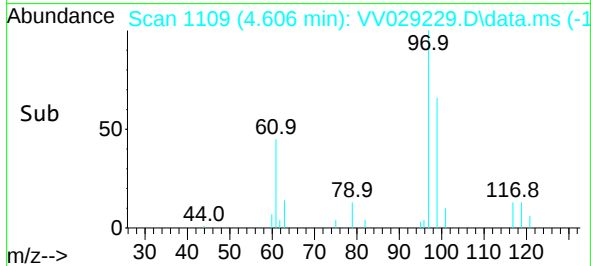
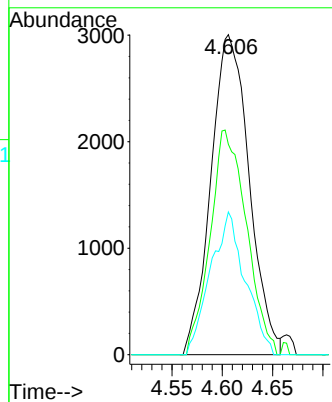
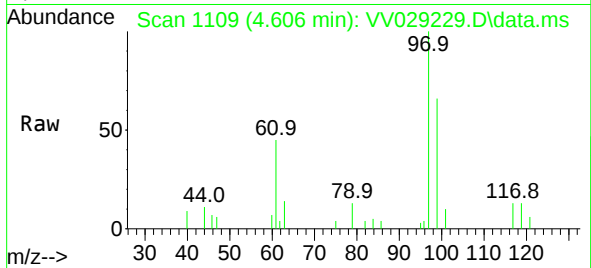
Tgt Ion: 97 Resp: 7959

Ion Ratio Lower Upper

97 100

99 66.6 52.7 79.1

61 40.6 33.8 50.6



#31

Carbon tetrachloride

Concen: 0.215 ug/L

RT: 4.828 min Scan# 1178

Delta R.T. 0.009 min

Lab File: VV029229.D

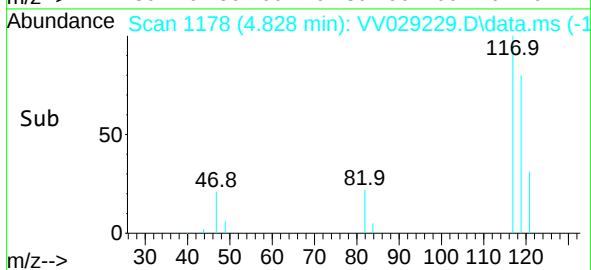
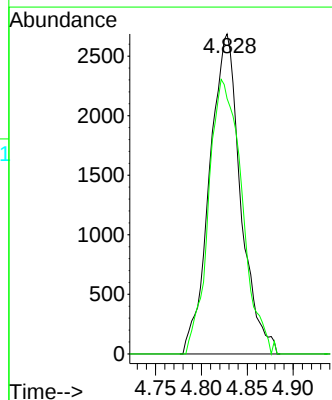
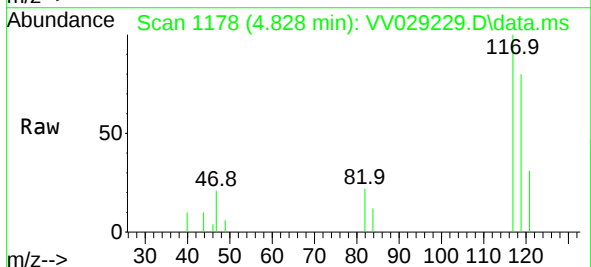
Acq: 20 Nov 2022 16:51

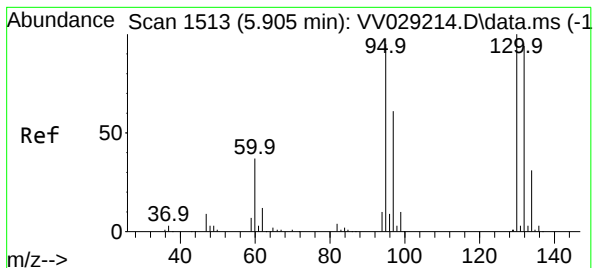
Tgt Ion: 117 Resp: 6322

Ion Ratio Lower Upper

117 100

119 92.1 77.0 115.6





#34

Trichloroethene

Concen: 18.297 ug/L

RT: 5.908 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV029229.D

Acq: 20 Nov 2022 16:51

Instrument :

MSVOA_V

ClientSampleId :

BH1L5

Tgt Ion: 95 Resp: 416154

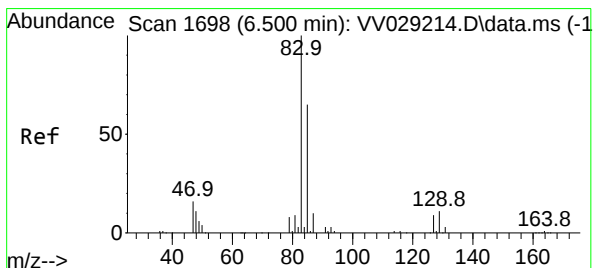
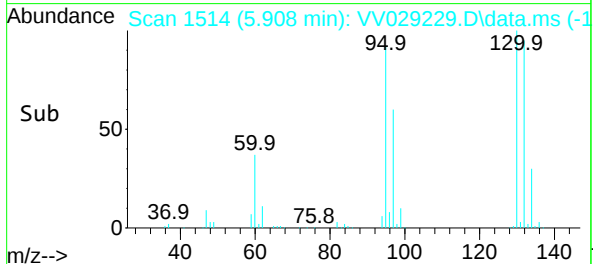
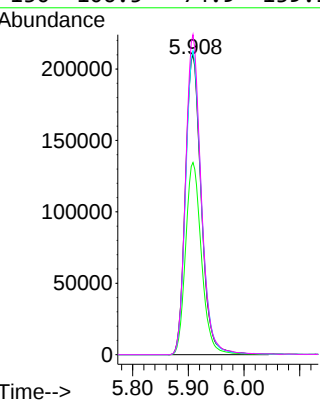
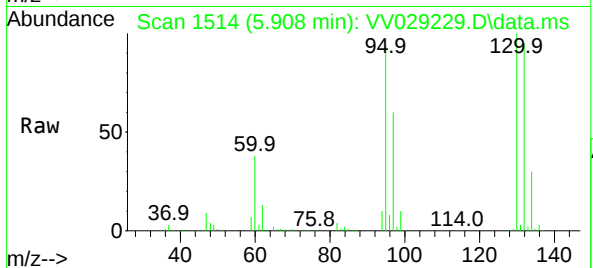
Ion Ratio Lower Upper

95 100

97 64.0 45.6 84.8

132 101.2 69.1 128.3

130 106.5 74.9 139.1



#38

Bromodichloromethane

Concen: 0.108 ug/L

RT: 6.513 min Scan# 1702

Delta R.T. 0.013 min

Lab File: VV029229.D

Acq: 20 Nov 2022 16:51

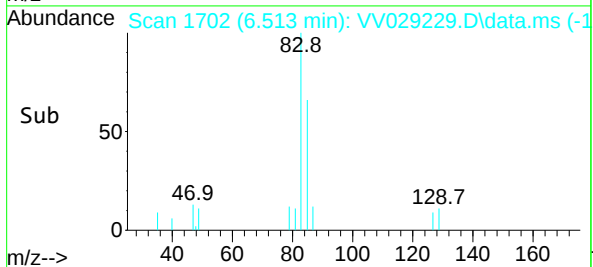
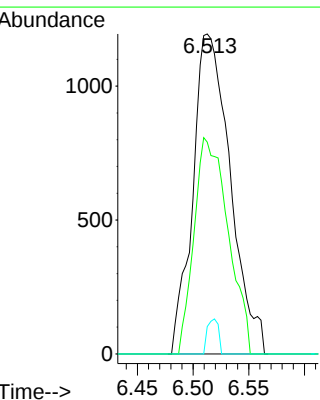
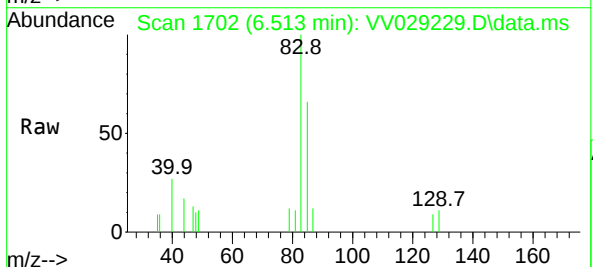
Tgt Ion: 83 Resp: 2801

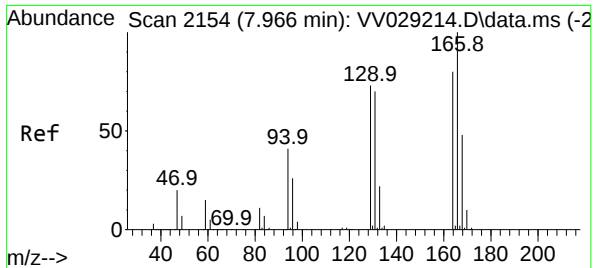
Ion Ratio Lower Upper

83 100

85 66.2 46.1 85.5

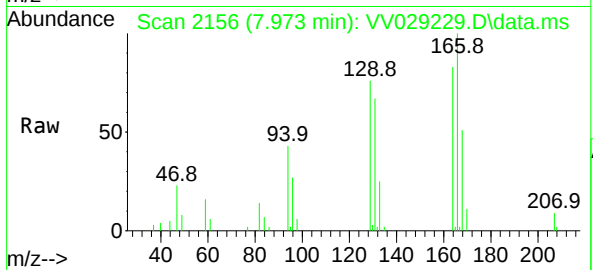
127 8.5 6.7 10.1





#47
 Tetrachloroethene
 Concen: 0.548 ug/L
 RT: 7.973 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VV029229.D
 Acq: 20 Nov 2022 16:51

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1L5



Tgt Ion:164 Resp: 9973

Ion	Ratio	Lower	Upper
164	100		
129	92.0	63.9	118.7
131	80.6	61.8	114.8
166	120.3	90.2	167.4

