

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111922\
 Data File : VW029209.D
 Acq On : 20 Nov 2022 07:02
 Operator : SY/MD
 Sample : N5651-10
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1K2

Quant Time: Nov 21 00:24:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Nov 20 03:53:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	303937	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	280647	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	129454	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	94189	5.083	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.600%
7) Chloroethane-d5	1.568	69	78695	4.831	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.600%
11) 1,1-Dichloroethene-d2	2.108	63	121019	3.584	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.600%
20) 2-Butanone-d5	3.896	46	175418	56.554	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.100%
24) Chloroform-d	4.342	84	170919	4.493	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
26) 1,2-Dichloroethane-d4	5.031	65	79058	4.619	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
32) Benzene-d6	5.047	84	362066	4.322	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
36) 1,2-Dichloropropane-d6	6.066	67	104743	4.478	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.600%
41) Toluene-d8	7.310	98	310088	4.112	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.200%
43) trans-1,3-Dichloroprop...	7.622	79	29878	3.916	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.400%
46) 2-Hexanone-d5	8.088	63	139777	42.923	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.840%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	74028	4.565	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.200%
66) 1,2-Dichlorobenzene-d4	11.615	152	112938	4.876	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	3814	0.151	ug/L	96
3) Chloromethane	1.240	50	2731	0.130	ug/L	100
8) Chloroethane	1.307	64	5852	0.415	ug/L	86
9) Trichlorofluoromethane	1.754	101	2397	0.074	ug/L	93
12) 1,1-Dichloroethene	2.108	96	1487	0.081	ug/L #	1
15) Methyl Acetate	2.188	43	5402	1.116	ug/L #	45
17) Methyl tert-butyl Ether	2.770	73	7372	0.187	ug/L	95
18) trans-1,2-Dichloroethene	2.764	96	21713	1.017	ug/L	95
19) 1,1-Dichloroethane	3.195	63	3130	0.090	ug/L	98
22) cis-1,2-Dichloroethene	3.908	96	46375	2.138	ug/L	97
25) Chloroform	4.375	83	5515	0.151	ug/L	98
29) 1,1,1-Trichloroethane	4.606	97	629	0.019	ug/L #	63
34) Trichloroethene	5.908	95	277900	12.657	ug/L	98
35) Methylcyclohexane	6.066	83	26211	0.679	ug/L #	21
37) 1,2-Dichloropropane	6.066	63	10970	0.555	ug/L #	85
47) Tetrachloroethene	7.973	164	40439	2.300	ug/L	97
49) Dibromochloromethane	7.973	129	34179	2.184	ug/L #	10
61) 1,2,3-Trichloropropane	11.243	75	14570	1.647	ug/L #	63

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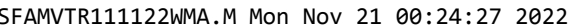
Instrument :
MSVOA_V
ClientSampleId :
BH1K2

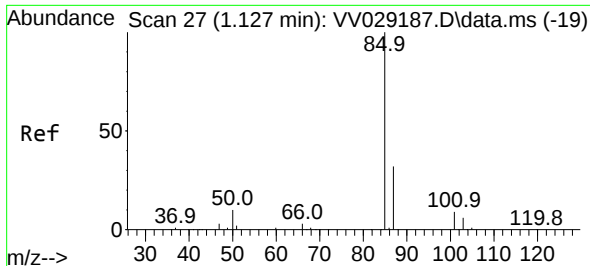
Quant Time: Nov 21 00:24:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sun Nov 20 03:53:06 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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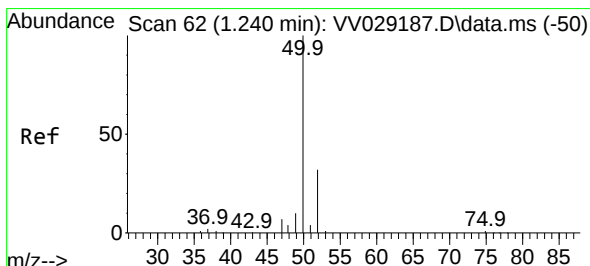
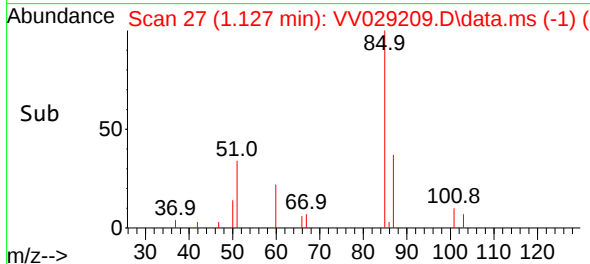
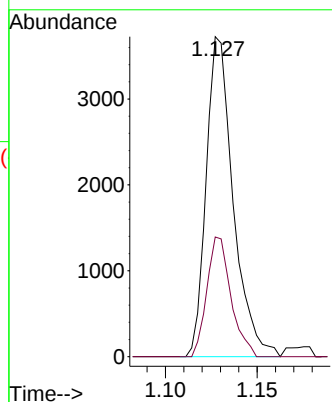
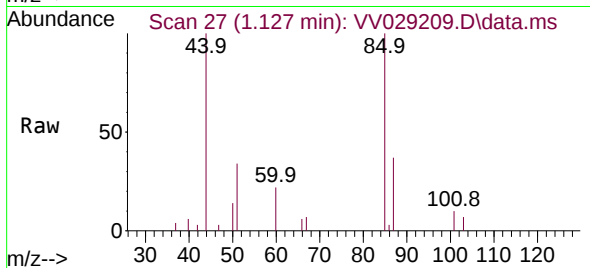




#2
 Dichlorodifluoromethane
 Concen: 0.151 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV029209.D
 Acq: 20 Nov 2022 07:02

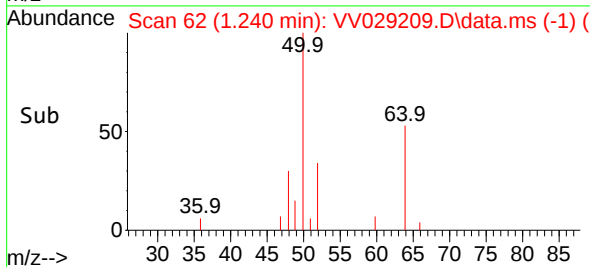
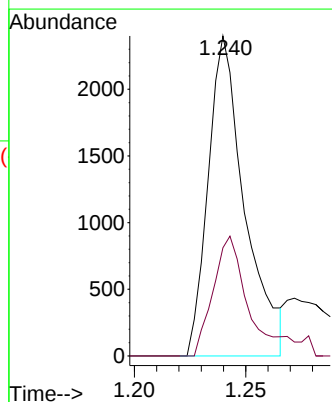
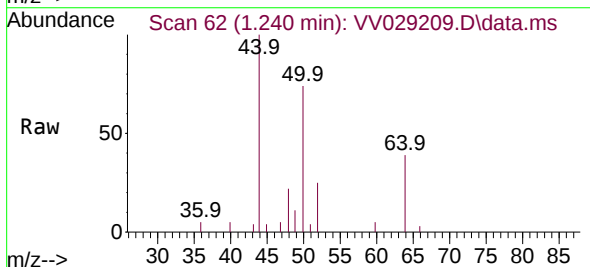
Instrument :
 MSVOA_V
 ClientSampleId :
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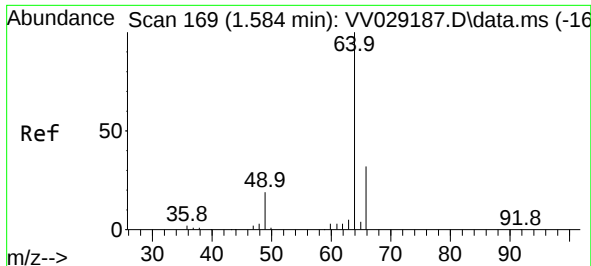
Tgt Ion: 85 Resp: 3814
 Ion Ratio Lower Upper
 85 100
 87 33.3 25.0 37.4



#3
 Chloromethane
 Concen: 0.130 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV029209.D
 Acq: 20 Nov 2022 07:02

Tgt Ion: 50 Resp: 2731
 Ion Ratio Lower Upper
 50 100
 52 33.8 23.7 43.9

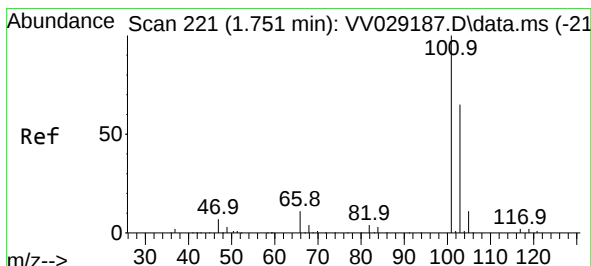
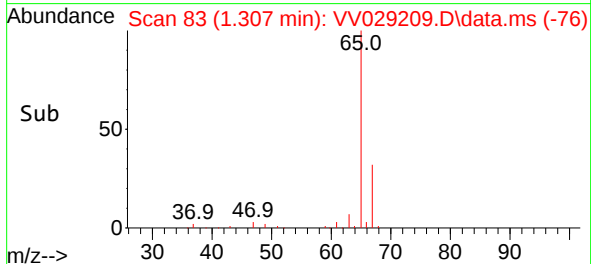
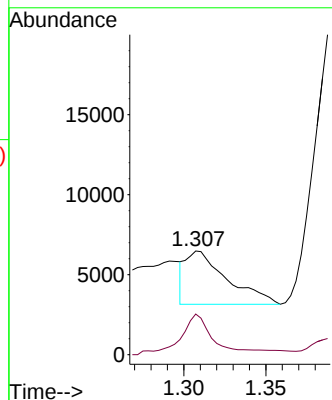
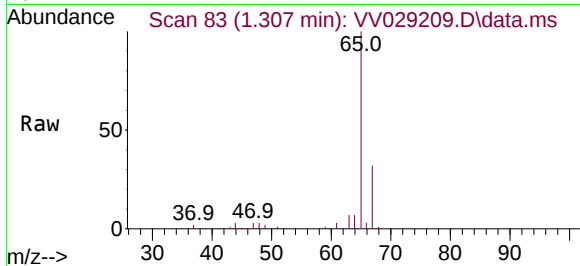




#8
Chloroethane
Concen: 0.415 ug/L
RT: 1.307 min Scan# 81
Delta R.T. -0.276 min
Lab File: VV029209.D
Acq: 20 Nov 2022 07:02

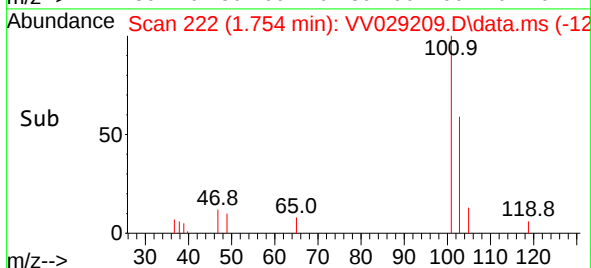
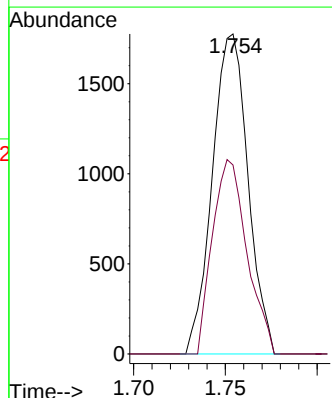
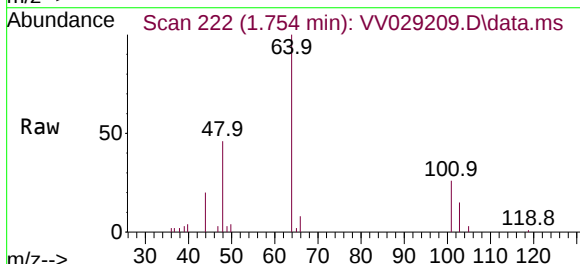
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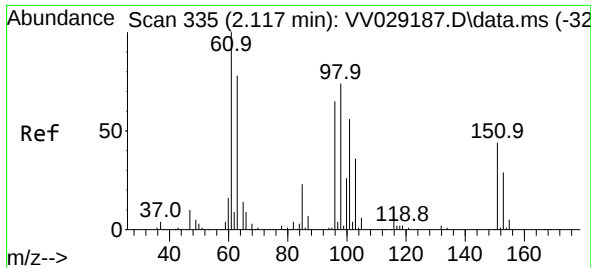
Tgt Ion: 64 Resp: 5852
Ion Ratio Lower Upper
64 100
66 39.1 22.0 40.8



#9
Trichlorofluoromethane
Concen: 0.074 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.003 min
Lab File: VV029209.D
Acq: 20 Nov 2022 07:02

Tgt Ion:101 Resp: 2397
Ion Ratio Lower Upper
101 100
103 58.8 51.3 76.9

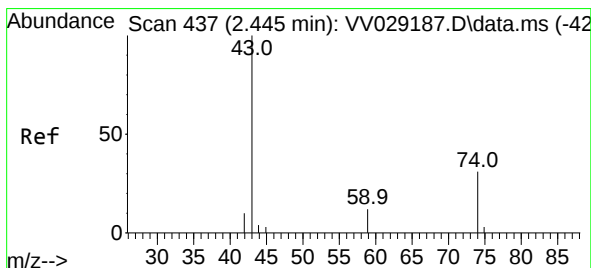
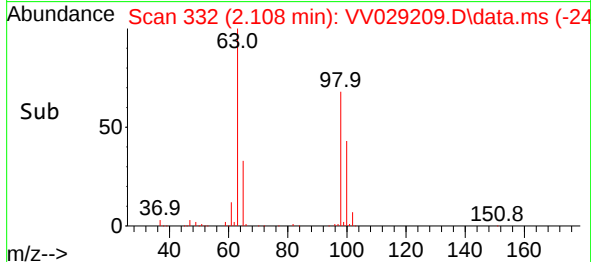
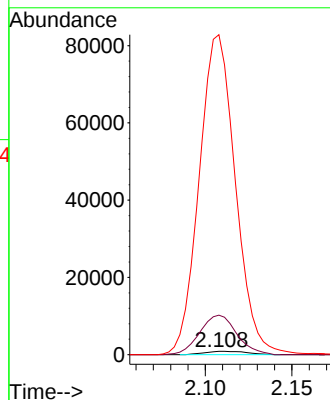
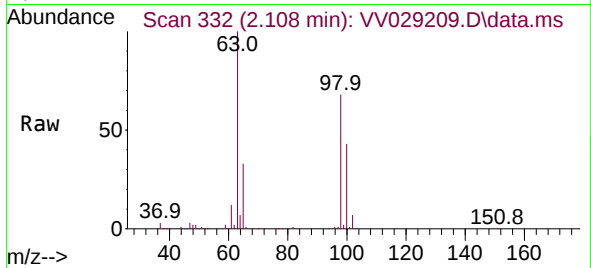




#12
1,1-Dichloroethene
Concen: 0.081 ug/L
RT: 2.108 min Scan# 31
Delta R.T. -0.010 min
Lab File: VV029209.D
Acq: 20 Nov 2022 07:02

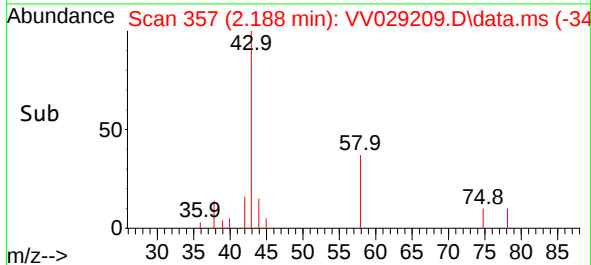
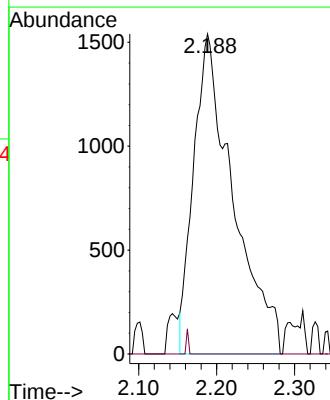
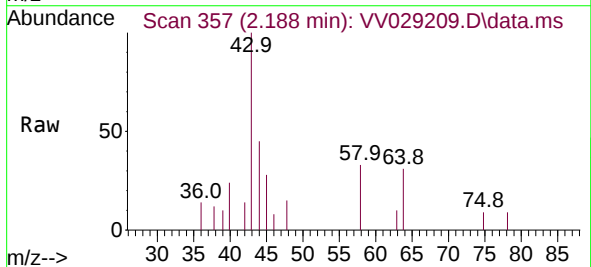
Instrument :
MSVOA_V
ClientSampleId :
BH1K2

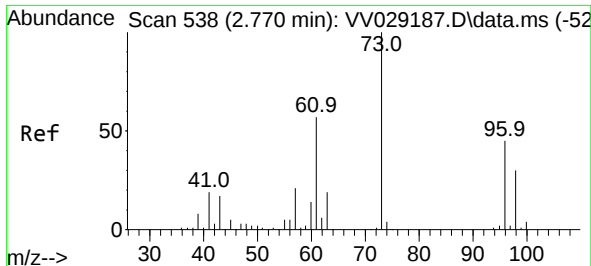
Tgt Ion: 96 Resp: 1487
Ion Ratio Lower Upper
96 100
61 1179.4 104.2 193.4#
63 9543.8 75.9 140.9#



#15
Methyl Acetate
Concen: 1.116 ug/L
RT: 2.188 min Scan# 357
Delta R.T. -0.257 min
Lab File: VV029209.D
Acq: 20 Nov 2022 07:02

Tgt Ion: 43 Resp: 5402
Ion Ratio Lower Upper
43 100
74 0.4 24.6 37.0#

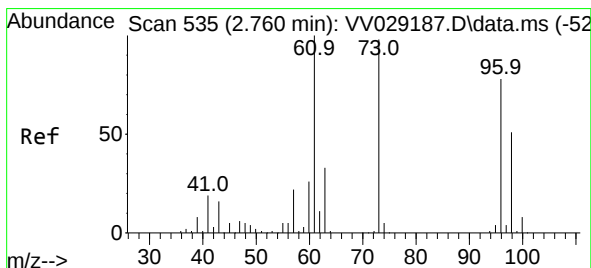
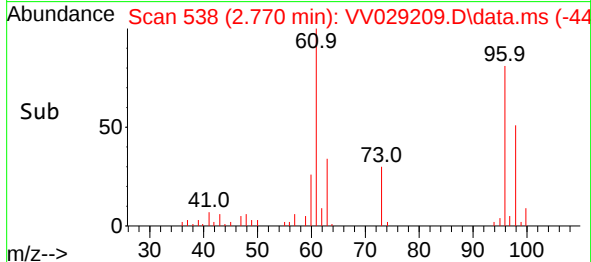
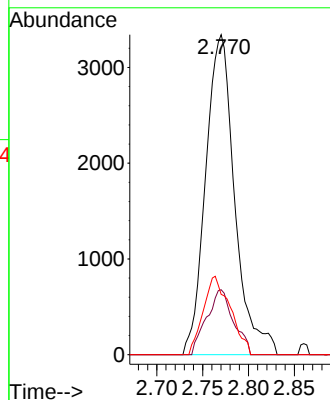
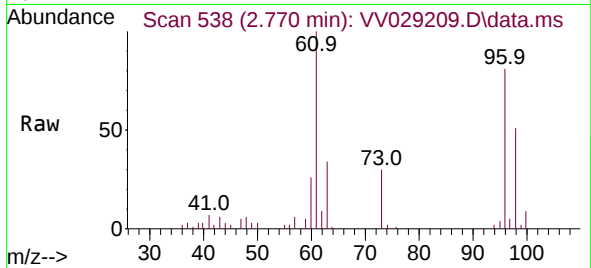




#17
Methyl tert-butyl Ether
Concen: 0.187 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV029209.D
Acq: 20 Nov 2022 07:02

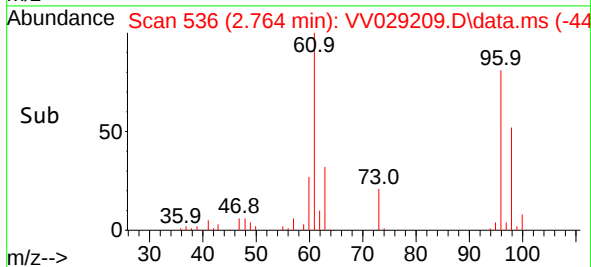
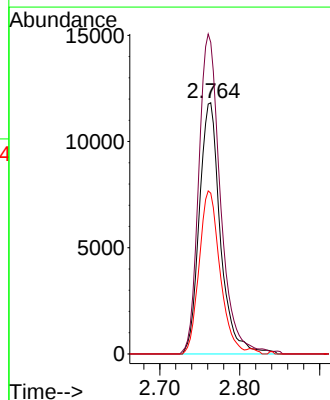
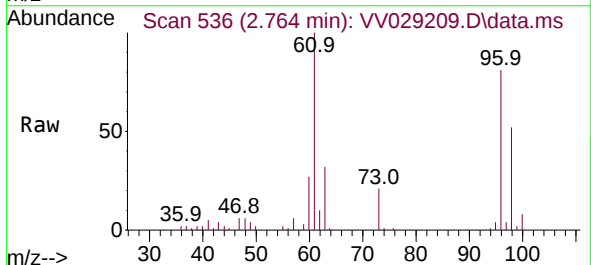
Instrument :
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ClientSampleId :
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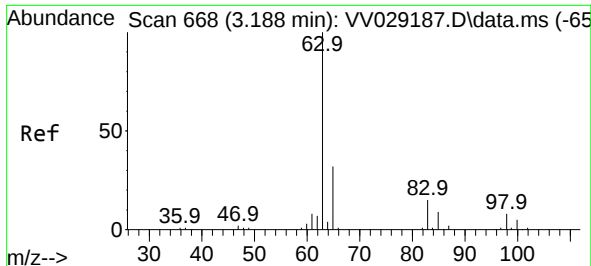
Tgt Ion: 73 Resp: 7372
Ion Ratio Lower Upper
73 100
43 18.8 13.0 19.4
57 22.9 16.6 24.8



#18
trans-1,2-Dichloroethene
Concen: 1.017 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV029209.D
Acq: 20 Nov 2022 07:02

Tgt Ion: 96 Resp: 21713
Ion Ratio Lower Upper
96 100
61 124.0 91.8 170.6
98 64.0 46.4 86.2





#19

1,1-Dichloroethane

Concen: 0.090 ug/L

RT: 3.195 min Scan# 61

Delta R.T. 0.007 min

Lab File: VV029209.D

Acq: 20 Nov 2022 07:02

Instrument :

MSVOA_V

ClientSampleId :

BH1K2

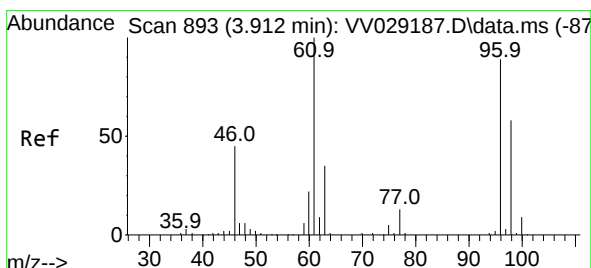
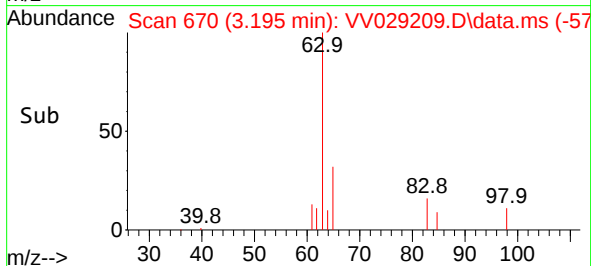
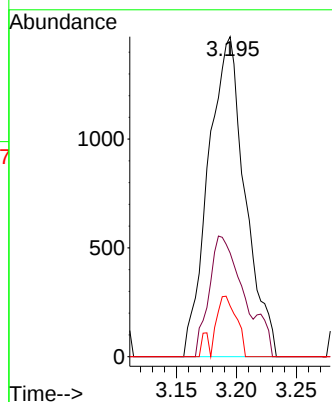
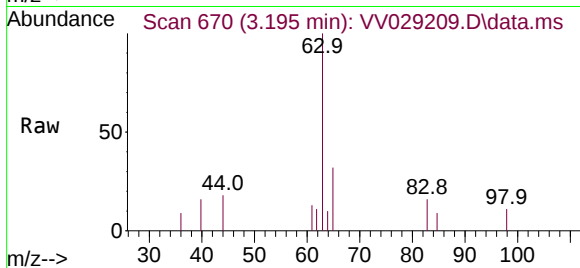
Tgt Ion: 63 Resp: 3130

Ion Ratio Lower Upper

63 100

65 32.4 23.0 42.6

83 15.8 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 2.138 ug/L

RT: 3.908 min Scan# 892

Delta R.T. -0.003 min

Lab File: VV029209.D

Acq: 20 Nov 2022 07:02

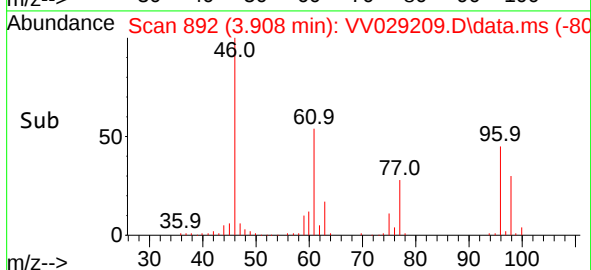
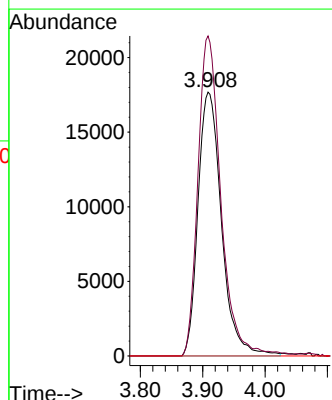
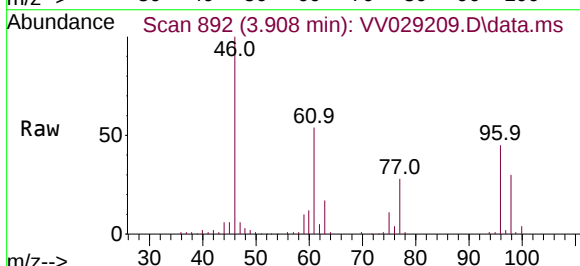
Tgt Ion: 96 Resp: 46375

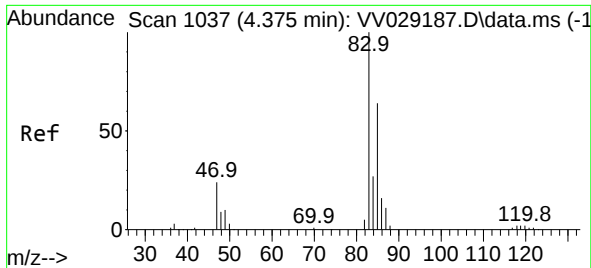
Ion Ratio Lower Upper

96 100

61 121.3 82.3 152.9

68 0.0 0.0 0.0

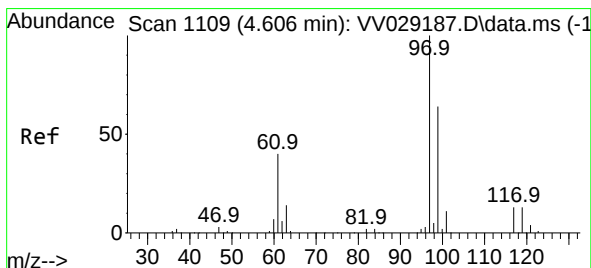
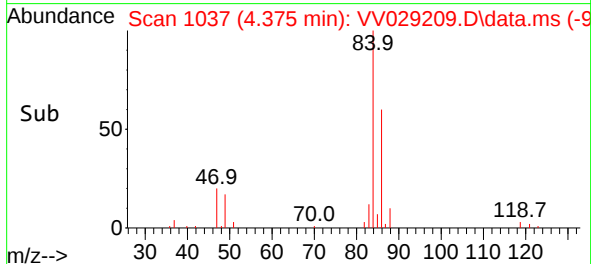
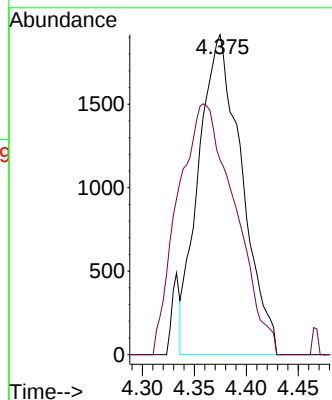
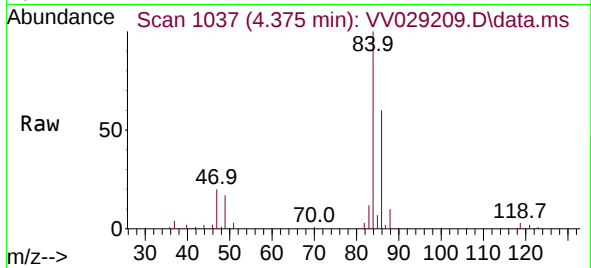




#25
Chloroform
Concen: 0.151 ug/L
RT: 4.375 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VV029209.D
Acq: 20 Nov 2022 07:02

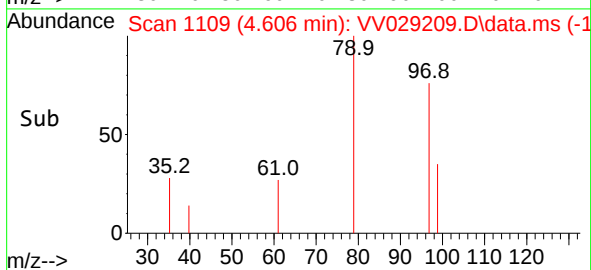
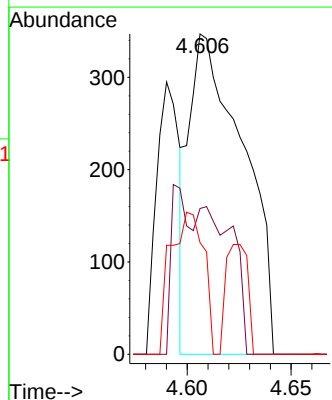
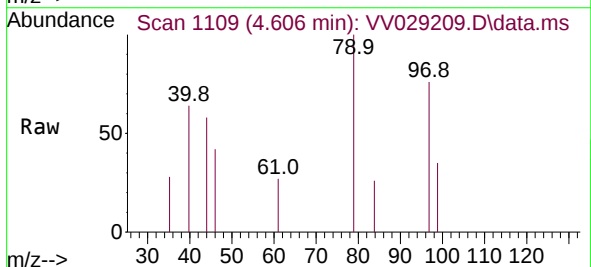
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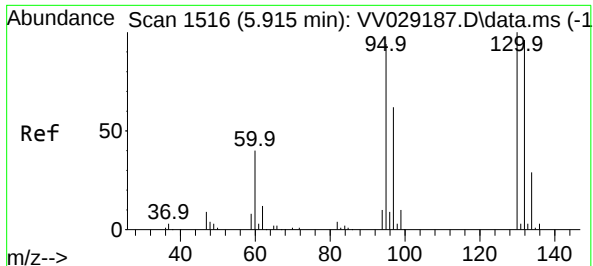
Tgt Ion: 83 Resp: 5515
Ion Ratio Lower Upper
83 100
85 60.8 43.7 81.1



#29
1,1,1-Trichloroethane
Concen: 0.019 ug/L
RT: 4.606 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VV029209.D
Acq: 20 Nov 2022 07:02

Tgt Ion: 97 Resp: 629
Ion Ratio Lower Upper
97 100
99 29.9 52.7 79.1#
61 27.3 33.8 50.6#

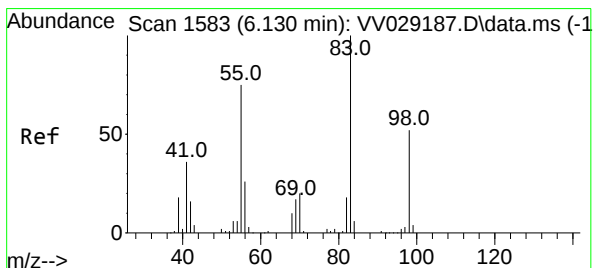
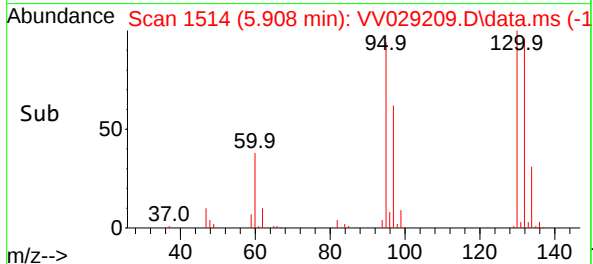
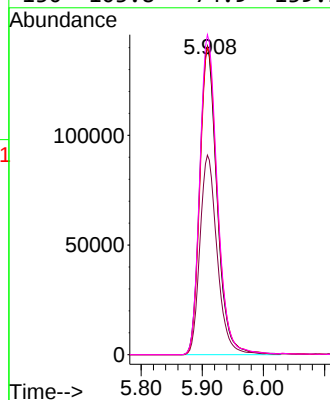
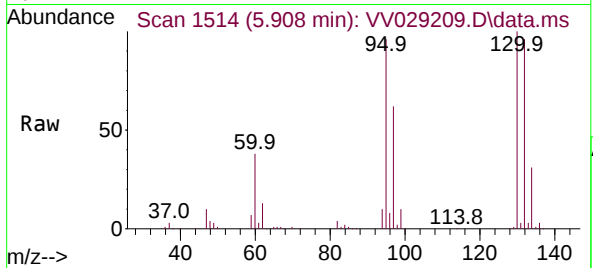




#34
Trichloroethene
Concen: 12.657 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.006 min
Lab File: VV029209.D
Acq: 20 Nov 2022 07:02

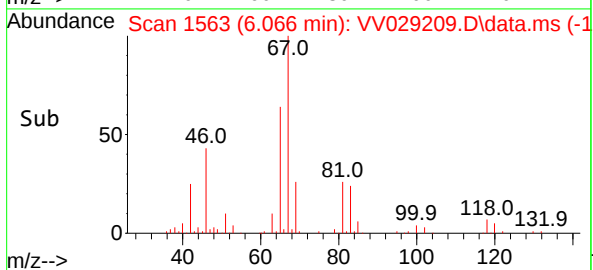
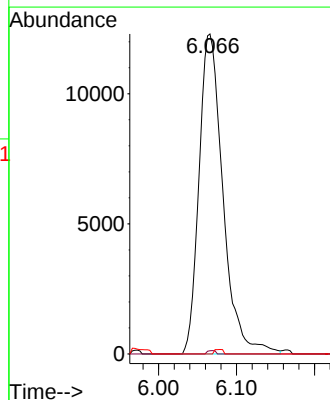
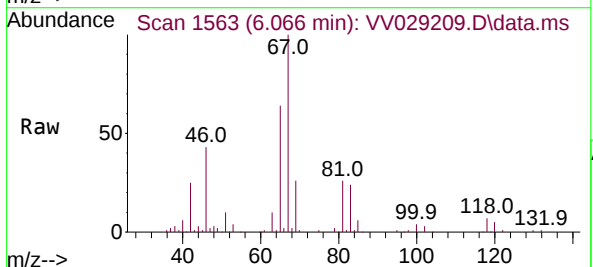
Instrument :
MSVOA_V
ClientSampleId :
BH1K2

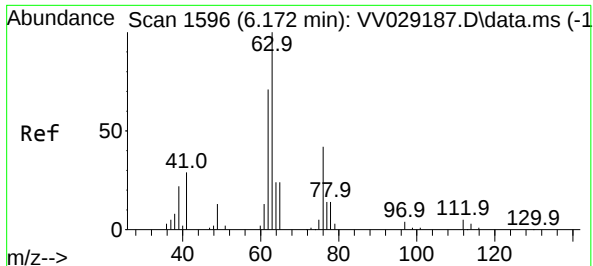
Tgt Ion: 95 Resp: 277900
Ion Ratio Lower Upper
95 100
97 64.7 45.6 84.8
132 99.7 69.1 128.3
130 103.8 74.9 139.1



#35
Methylcyclohexane
Concen: 0.679 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.064 min
Lab File: VV029209.D
Acq: 20 Nov 2022 07:02

Tgt Ion: 83 Resp: 26211
Ion Ratio Lower Upper
83 100
55 0.4 55.8 83.6#
98 0.0 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.555 ug/L

RT: 6.066 min Scan# 1

Delta R.T. -0.106 min

Lab File: VV029209.D

Acq: 20 Nov 2022 07:02

Instrument :

MSVOA_V

ClientSampleId :

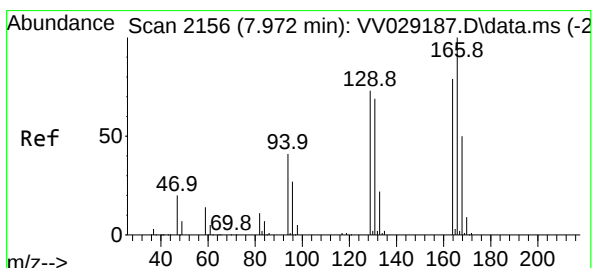
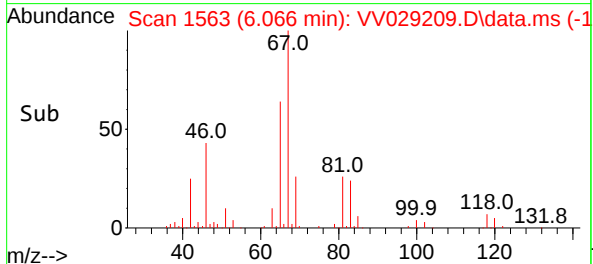
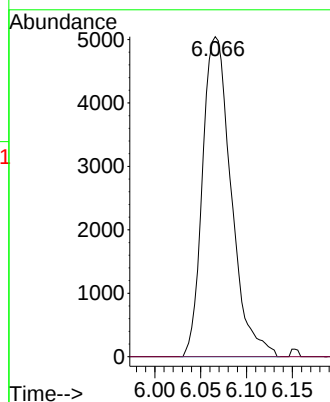
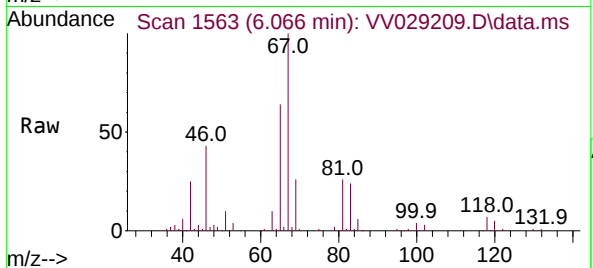
BH1K2

Tgt Ion: 63 Resp: 10970

Ion Ratio Lower Upper

63 100

112 0.2 4.0 6.0#



#47

Tetrachloroethene

Concen: 2.300 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.000 min

Lab File: VV029209.D

Acq: 20 Nov 2022 07:02

Tgt Ion:164 Resp: 40439

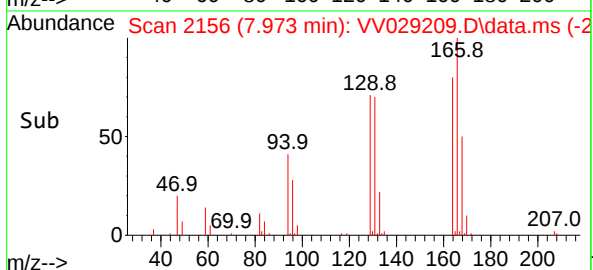
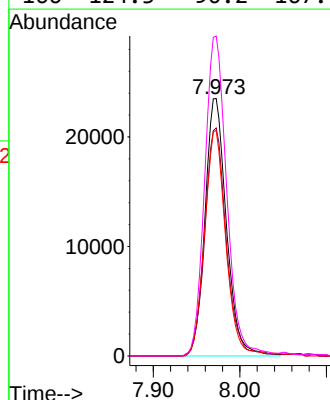
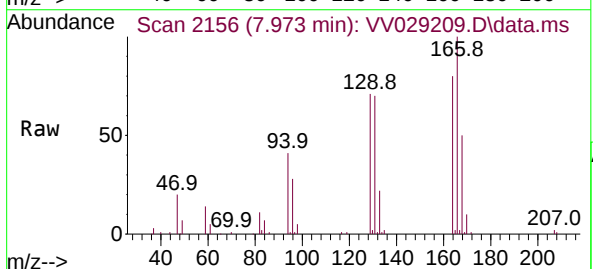
Ion Ratio Lower Upper

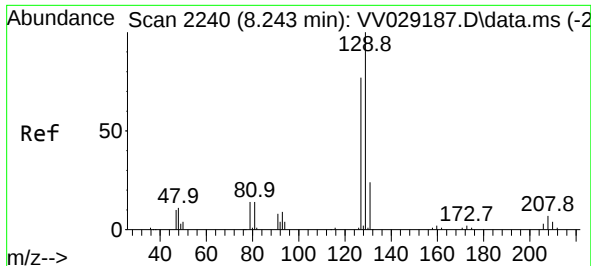
164 100

129 88.5 63.9 118.7

131 87.5 61.8 114.8

166 124.3 90.2 167.4





#49

Dibromochloromethane

Concen: 2.184 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV029209.D

Acq: 20 Nov 2022 07:02

Instrument :

MSVOA_V

ClientSampleId :

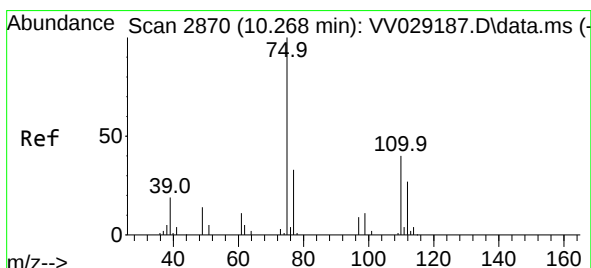
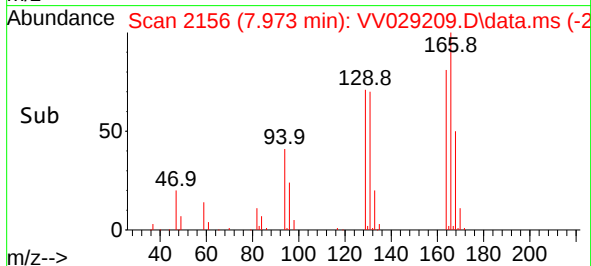
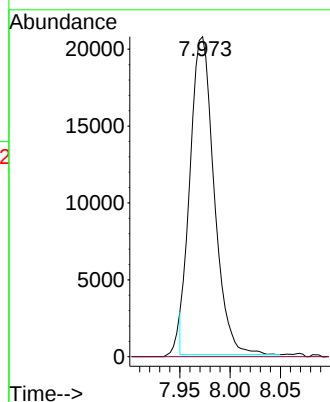
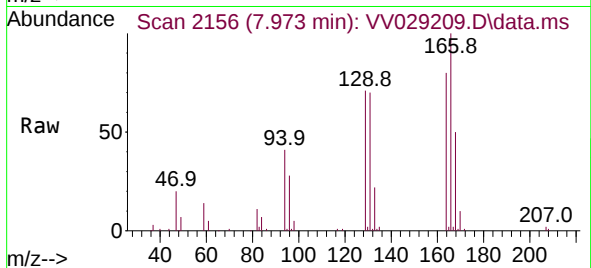
BH1K2

Tgt Ion:129 Resp: 34179

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#61

1,2,3-Trichloropropane

Concen: 1.647 ug/L

RT: 11.243 min Scan# 3173

Delta R.T. 0.974 min

Lab File: VV029209.D

Acq: 20 Nov 2022 07:02

Tgt Ion: 75 Resp: 14570

Ion Ratio Lower Upper

75 100

77 29.0 26.2 39.2

110 2.8 32.6 48.8#

