

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111922\
 Data File : VW029208.D
 Acq On : 20 Nov 2022 06:38
 Operator : SY/MD
 Sample : N5651-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1K1

Quant Time: Nov 21 00:24:05 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	304623	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	282870	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	132832	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	93513	5.035	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.800%
7) Chloroethane-d5	1.568	69	77900	4.771	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.400%
11) 1,1-Dichloroethene-d2	2.108	63	118287	3.495	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.000%
20) 2-Butanone-d5	3.899	46	171461	55.154	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.300%
24) Chloroform-d	4.342	84	168989	4.432	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
26) 1,2-Dichloroethane-d4	5.027	65	77865	4.539	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
32) Benzene-d6	5.047	84	356016	4.217	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
36) 1,2-Dichloropropane-d6	6.066	67	104729	4.442	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.800%
41) Toluene-d8	7.310	98	309827	4.076	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.600%
43) trans-1,3-Dichloroprop...	7.622	79	31168	4.053	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.000%
46) 2-Hexanone-d5	8.088	63	141056	42.975	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.960%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	73750	4.512	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.200%
66) 1,2-Dichlorobenzene-d4	11.616	152	108801	4.578	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	2922	0.115	ug/L	97
3) Chloromethane	1.240	50	3701	0.176	ug/L	100
8) Chloroethane	1.429	64	103699	7.341	ug/L #	51
9) Trichlorofluoromethane	1.751	101	71206	2.197	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	2372	0.129	ug/L #	72
12) 1,1-Dichloroethene	2.108	96	2288	0.124	ug/L #	1
17) Methyl tert-butyl Ether	2.767	73	21768	0.551	ug/L	99
18) trans-1,2-Dichloroethene	2.761	96	19885	0.930	ug/L	97
19) 1,1-Dichloroethane	3.191	63	5614	0.161	ug/L	93
22) cis-1,2-Dichloroethene	3.908	96	30838	1.418	ug/L	100
25) Chloroform	4.371	83	7457	0.203	ug/L	89
29) 1,1,1-Trichloroethane	4.603	97	1407	0.042	ug/L #	35
34) Trichloroethene	5.908	95	225253	10.179	ug/L	98
35) Methylcyclohexane	6.063	83	25952	0.667	ug/L #	25
37) 1,2-Dichloropropane	6.063	63	11492	0.577	ug/L #	87
39) cis-1,3-Dichloropropene	6.982	75	2208	0.079	ug/L #	49
47) Tetrachloroethene	7.969	164	41656	2.351	ug/L	99
49) Dibromochloromethane	7.969	129	35741	2.266	ug/L #	10
68) 1,2-Dibromo-3-chloropr...	12.236	75	562	0.315	ug/L #	2

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029208.D
Acq On : 20 Nov 2022 06:38
Operator : SY/MD
Sample : N5651-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BH1K1

Quant Time: Nov 21 00:24:05 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

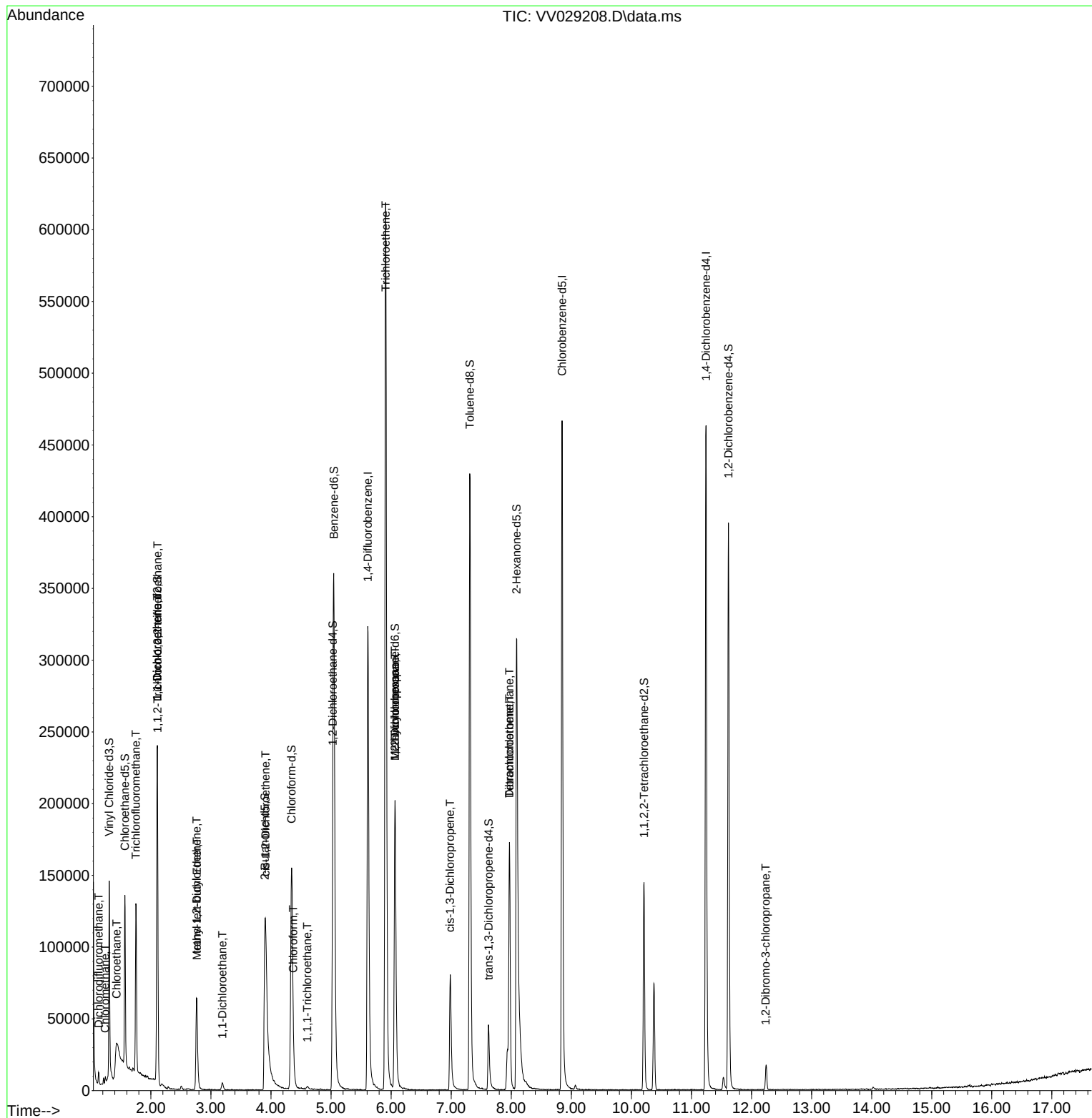
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

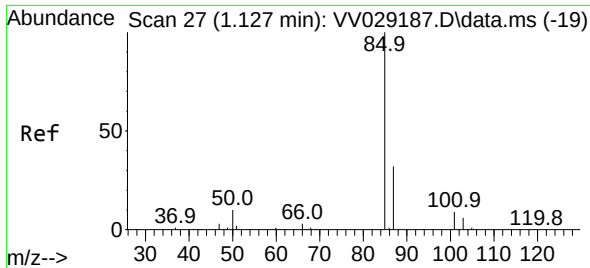
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
Data File : VV029208.D
Acq On : 20 Nov 2022 06:38
Operator : SY/MD
Sample : N5651-09
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BH1K1

Quant Time: Nov 21 00:24:05 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

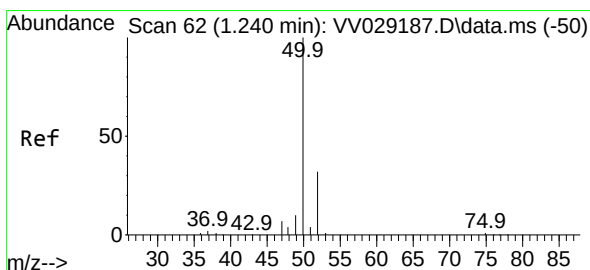
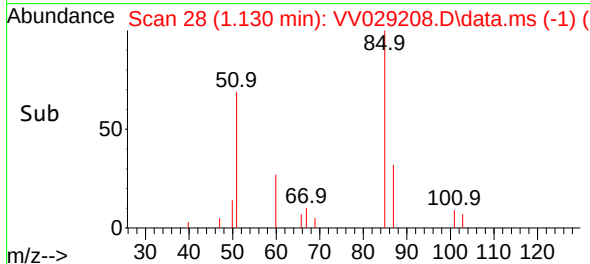
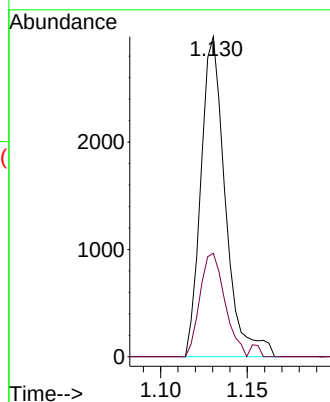
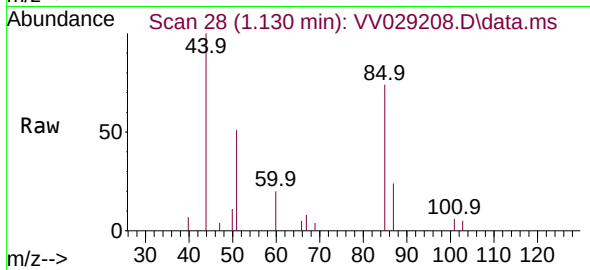




#2
 Dichlorodifluoromethane
 Concen: 0.115 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV029208.D
 Acq: 20 Nov 2022 06:38

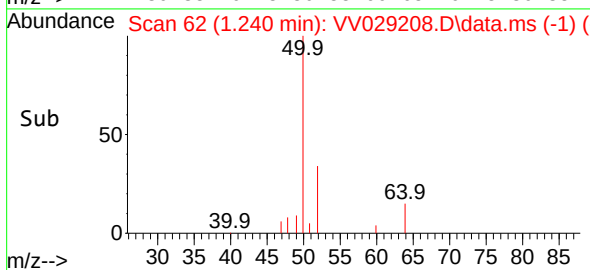
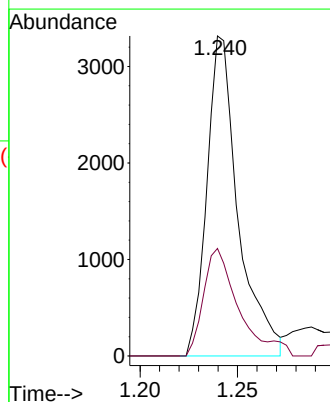
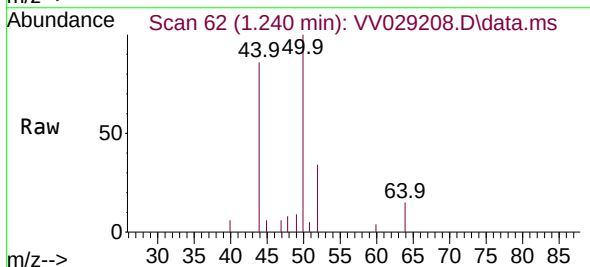
Instrument :
 MSVOA_V
 ClientSampleId :
 BH1K1

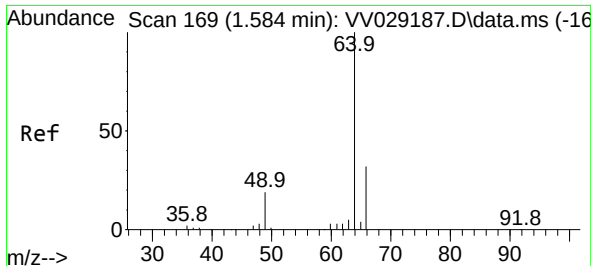
Tgt Ion: 85 Resp: 2922
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.0 37.4



#3
 Chloromethane
 Concen: 0.176 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV029208.D
 Acq: 20 Nov 2022 06:38

Tgt Ion: 50 Resp: 3701
 Ion Ratio Lower Upper
 50 100
 52 33.6 23.7 43.9

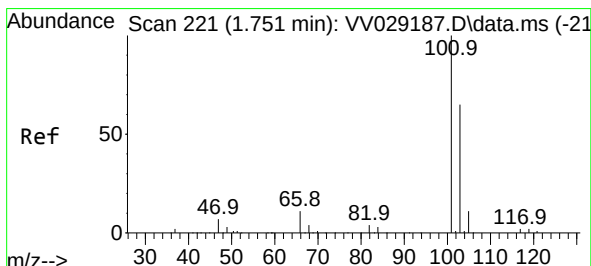
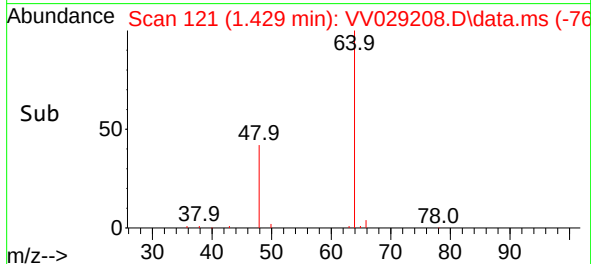
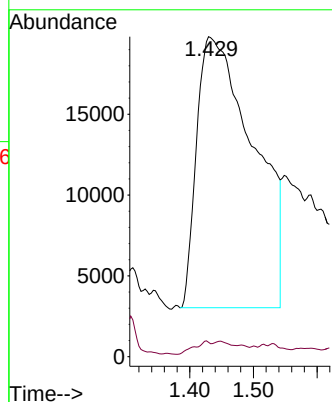
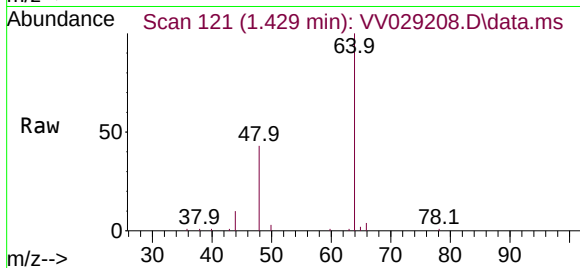




#8
Chloroethane
Concen: 7.341 ug/L
RT: 1.429 min Scan# 11
Delta R.T. -0.154 min
Lab File: VV029208.D
Acq: 20 Nov 2022 06:38

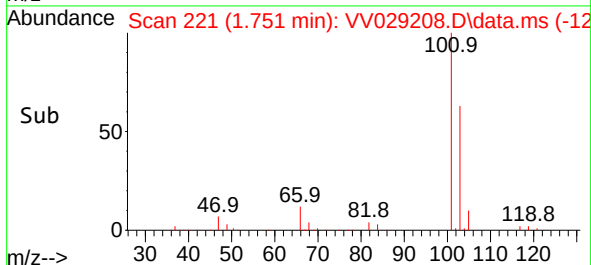
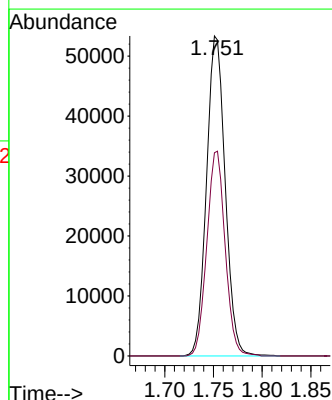
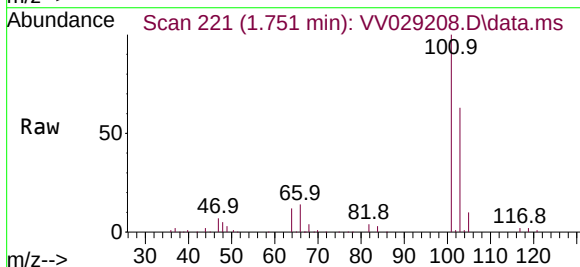
Instrument :
MSVOA_V
ClientSampleId :
BH1K1

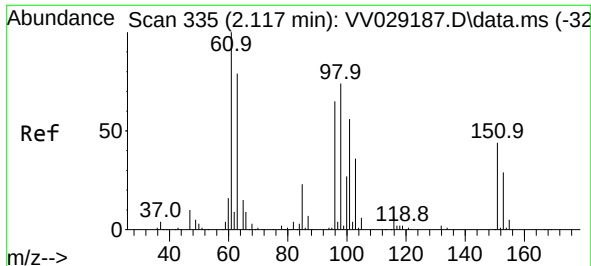
Tgt Ion: 64 Resp: 103699
Ion Ratio Lower Upper
64 100
66 4.5 22.0 40.8#



#9
Trichlorofluoromethane
Concen: 2.197 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.000 min
Lab File: VV029208.D
Acq: 20 Nov 2022 06:38

Tgt Ion:101 Resp: 71206
Ion Ratio Lower Upper
101 100
103 62.6 51.3 76.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.129 ug/L

RT: 2.111 min Scan# 311

Delta R.T. -0.006 min

Lab File: VV029208.D

Acq: 20 Nov 2022 06:38

Instrument :

MSVOA_V

ClientSampleId :

BH1K1

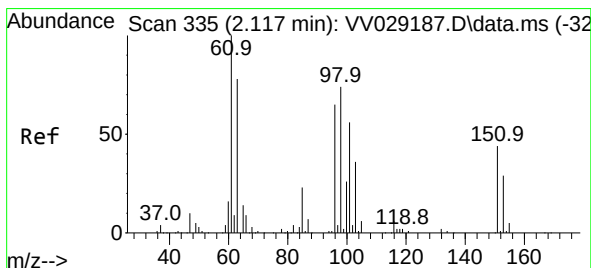
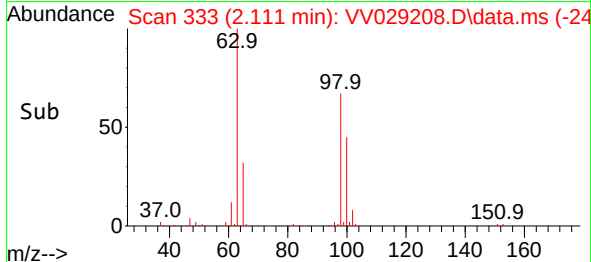
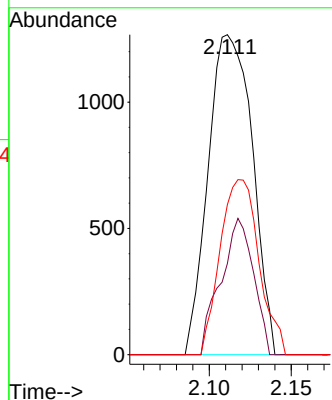
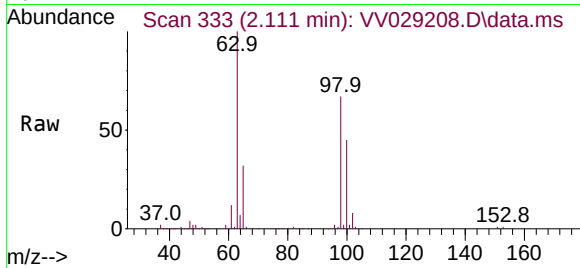
Tgt Ion:101 Resp: 2372

Ion Ratio Lower Upper

101 100

85 31.5 32.9 49.3#

151 48.1 62.5 93.7#



#12

1,1-Dichloroethene

Concen: 0.124 ug/L

RT: 2.108 min Scan# 332

Delta R.T. -0.010 min

Lab File: VV029208.D

Acq: 20 Nov 2022 06:38

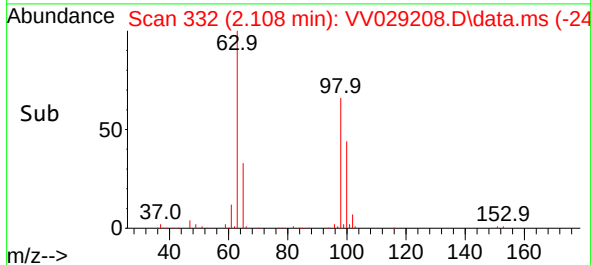
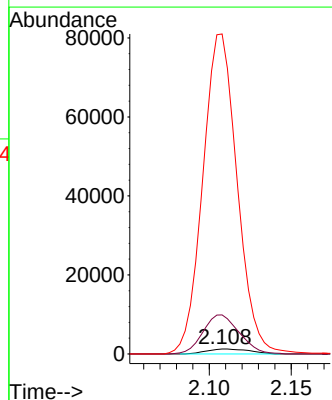
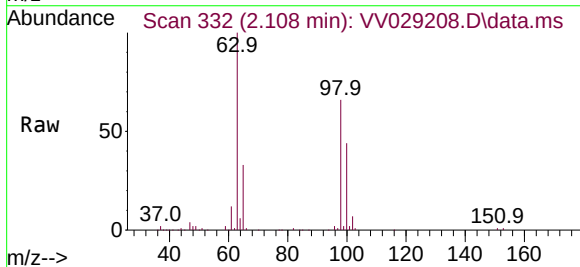
Tgt Ion: 96 Resp: 2288

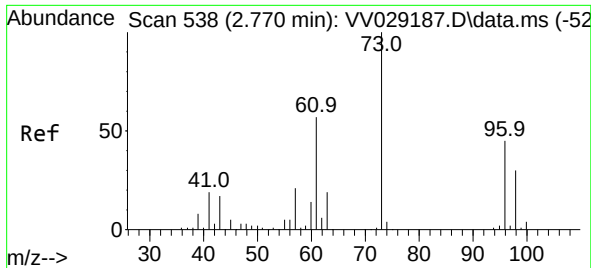
Ion Ratio Lower Upper

96 100

61 777.2 104.2 193.4#

63 6378.0 75.9 140.9#

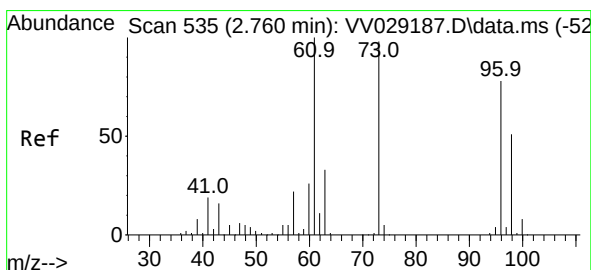
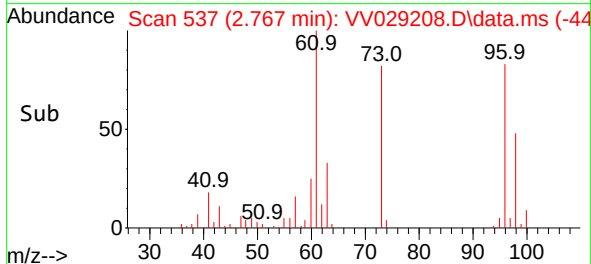
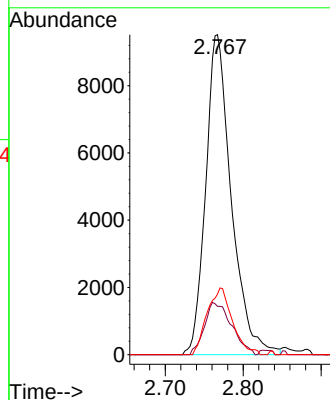
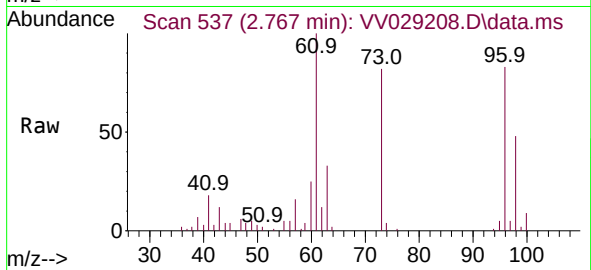




#17
Methyl tert-butyl Ether
Concen: 0.551 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV029208.D
Acq: 20 Nov 2022 06:38

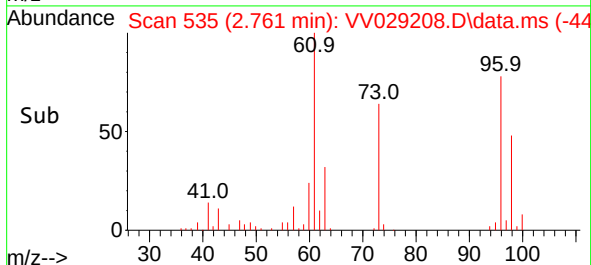
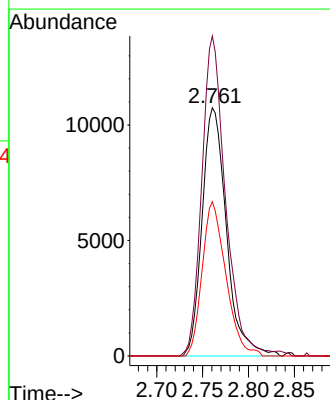
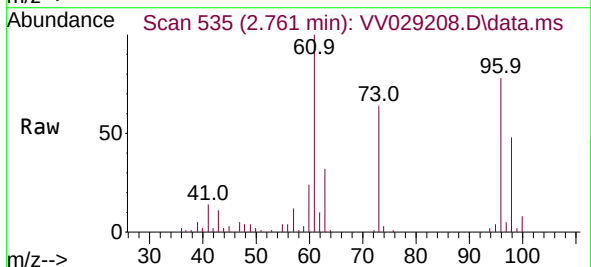
Instrument :
MSVOA_V
ClientSampleId :
BH1K1

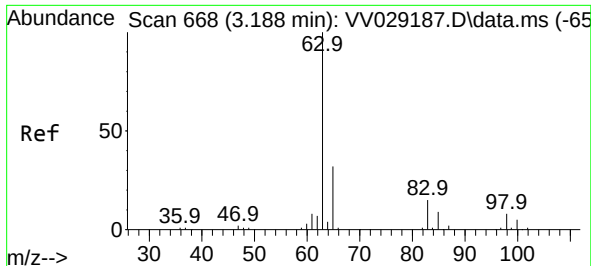
Tgt Ion: 73	Resp: 21768
Ion Ratio	Lower Upper
73 100	
43 17.3	13.0 19.4
57 20.5	16.6 24.8



#18
trans-1,2-Dichloroethene
Concen: 0.930 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.000 min
Lab File: VV029208.D
Acq: 20 Nov 2022 06:38

Tgt Ion: 96	Resp: 19885
Ion Ratio	Lower Upper
96 100	
61 128.9	91.8 170.6
98 62.1	46.4 86.2





#19

1,1-Dichloroethane

Concen: 0.161 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV029208.D

Acq: 20 Nov 2022 06:38

Instrument :

MSVOA_V

ClientSampleId :

BH1K1

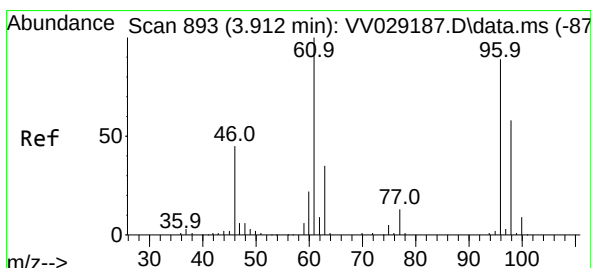
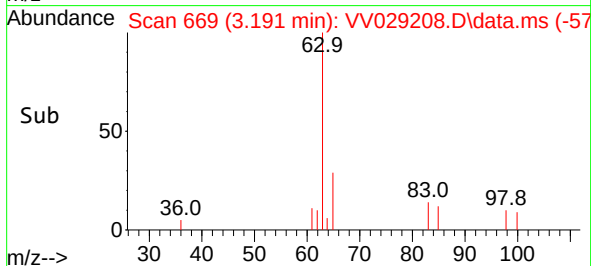
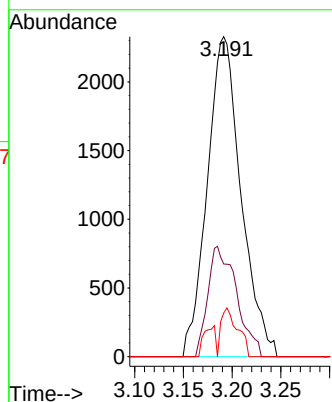
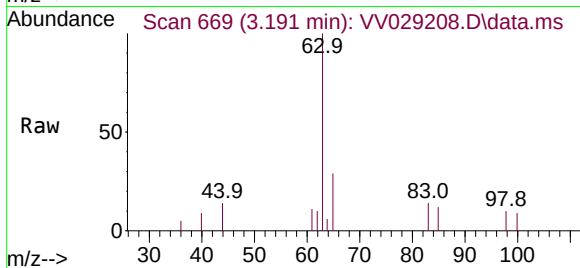
Tgt Ion: 63 Resp: 5614

Ion Ratio Lower Upper

63 100

65 27.3 23.0 42.6

83 12.9 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 1.418 ug/L

RT: 3.908 min Scan# 892

Delta R.T. -0.003 min

Lab File: VV029208.D

Acq: 20 Nov 2022 06:38

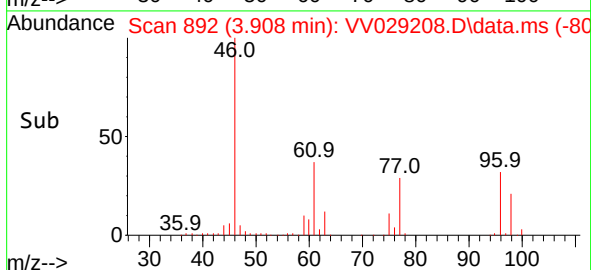
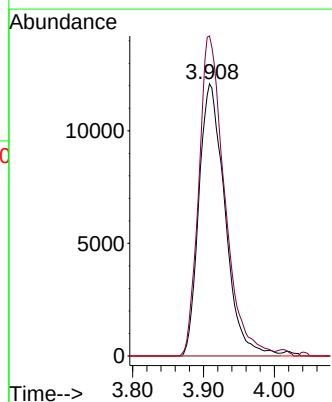
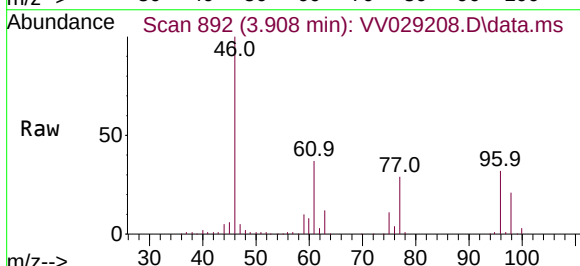
Tgt Ion: 96 Resp: 30838

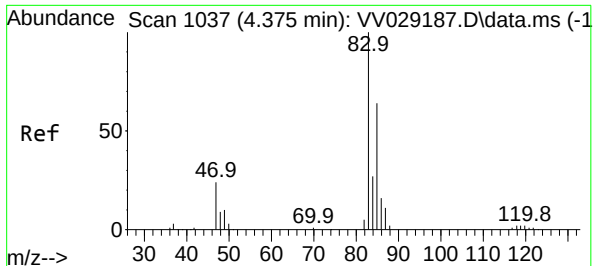
Ion Ratio Lower Upper

96 100

61 117.6 82.3 152.9

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.203 ug/L

RT: 4.371 min Scan# 1108

Delta R.T. -0.003 min

Lab File: VV029208.D

Acq: 20 Nov 2022 06:38

Instrument :

MSVOA_V

ClientSampleId :

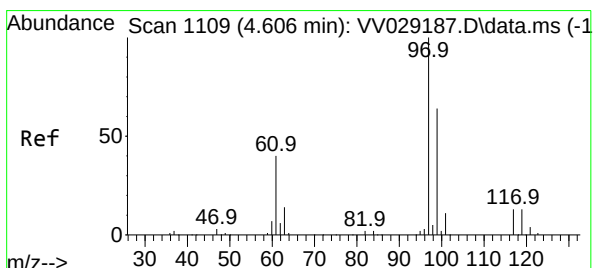
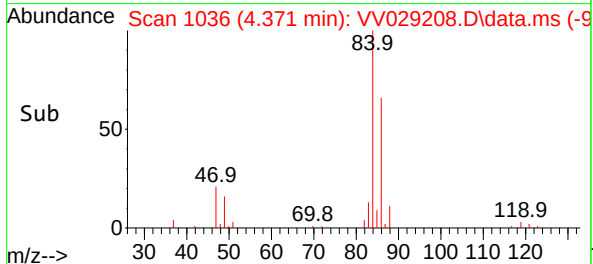
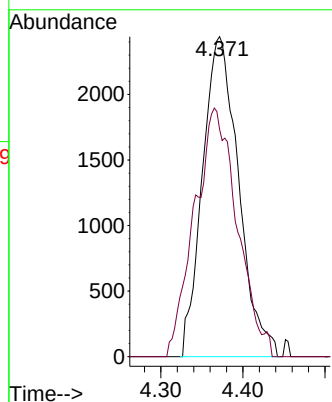
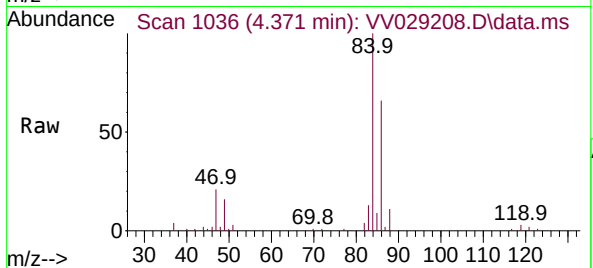
BH1K1

Tgt Ion: 83 Resp: 7457

Ion Ratio Lower Upper

83 100

85 71.1 43.7 81.1



#29

1,1,1-Trichloroethane

Concen: 0.042 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.003 min

Lab File: VV029208.D

Acq: 20 Nov 2022 06:38

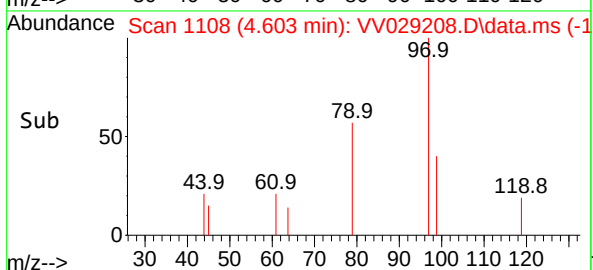
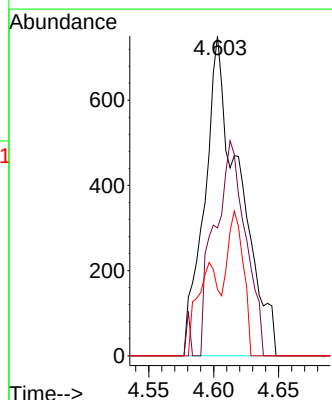
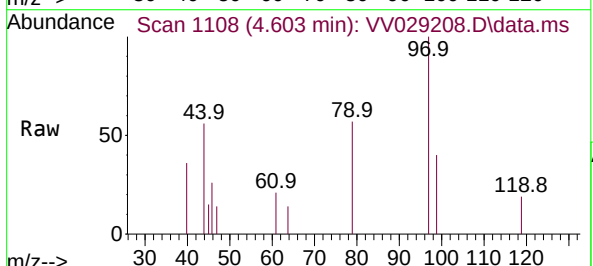
Tgt Ion: 97 Resp: 1407

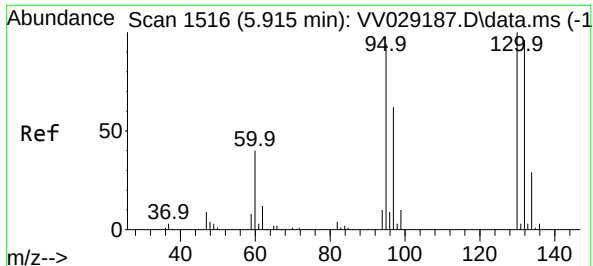
Ion Ratio Lower Upper

97 100

99 0.0 52.7 79.1#

61 18.1 33.8 50.6#

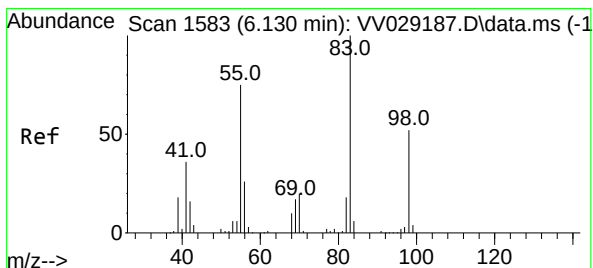
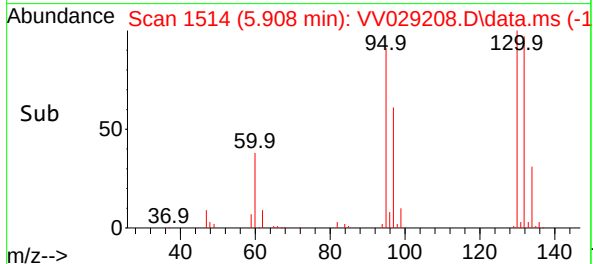
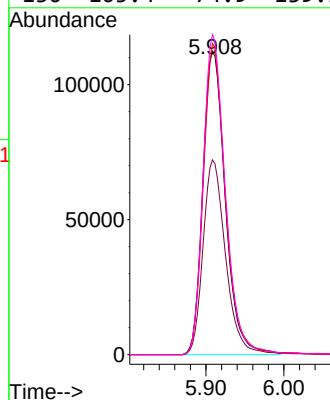
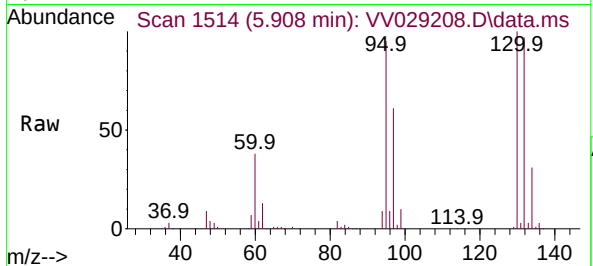




#34
Trichloroethene
Concen: 10.179 ug/L
RT: 5.908 min Scan# 11
Delta R.T. -0.006 min
Lab File: VV029208.D
Acq: 20 Nov 2022 06:38

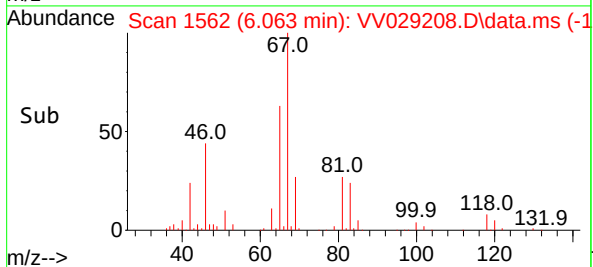
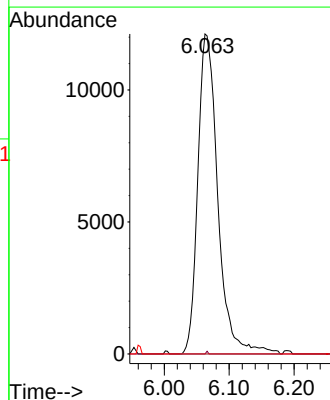
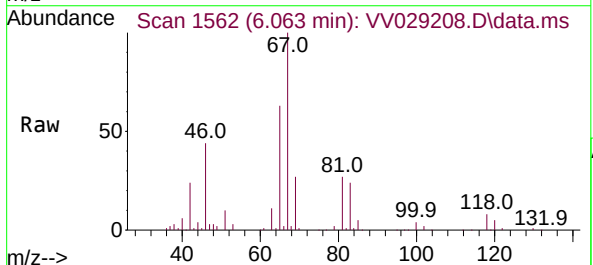
Instrument :
MSVOA_V
ClientSampleId :
BH1K1

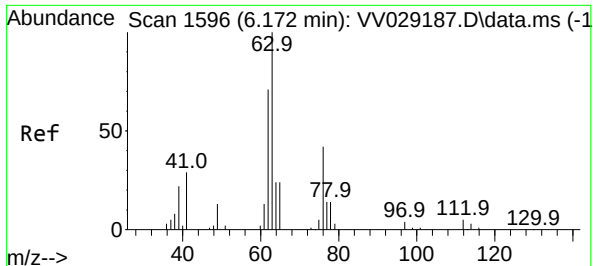
Tgt Ion: 95 Resp: 225253
Ion Ratio Lower Upper
95 100
97 64.2 45.6 84.8
132 102.6 69.1 128.3
130 105.4 74.9 139.1



#35
Methylcyclohexane
Concen: 0.667 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.067 min
Lab File: VV029208.D
Acq: 20 Nov 2022 06:38

Tgt Ion: 83 Resp: 25952
Ion Ratio Lower Upper
83 100
55 0.1 55.8 83.6#
98 7.0 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.577 ug/L

RT: 6.063 min Scan# 11

Delta R.T. -0.109 min

Lab File: VV029208.D

Acq: 20 Nov 2022 06:38

Instrument :

MSVOA_V

ClientSampleId :

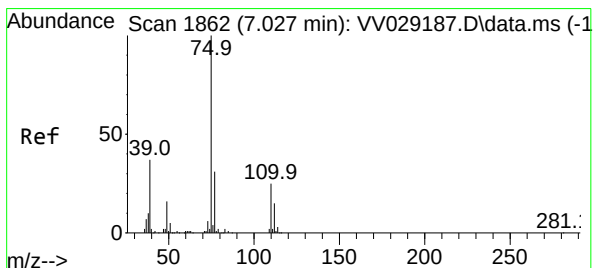
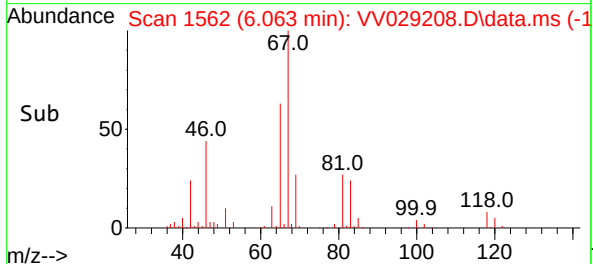
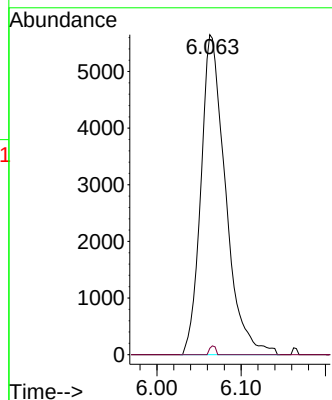
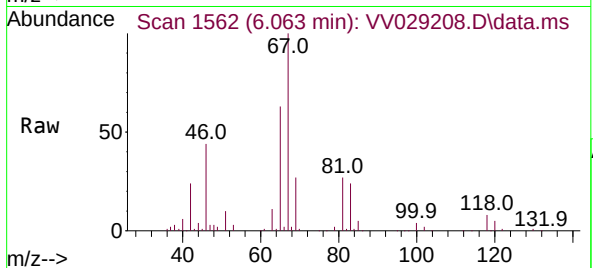
BH1K1

Tgt Ion: 63 Resp: 11492

Ion Ratio Lower Upper

63 100

112 0.7 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.079 ug/L

RT: 6.982 min Scan# 1848

Delta R.T. -0.045 min

Lab File: VV029208.D

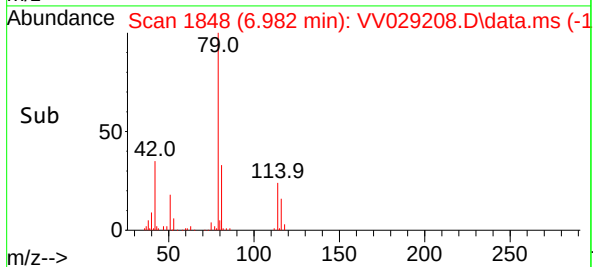
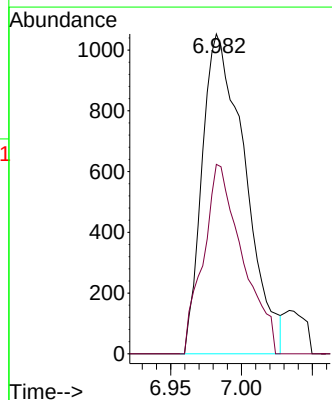
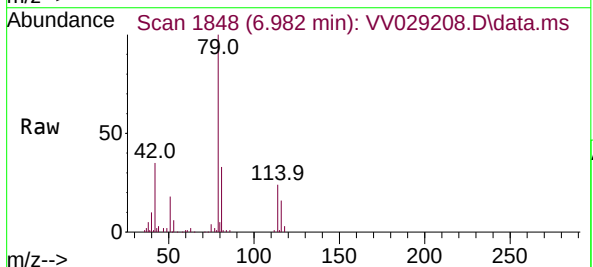
Acq: 20 Nov 2022 06:38

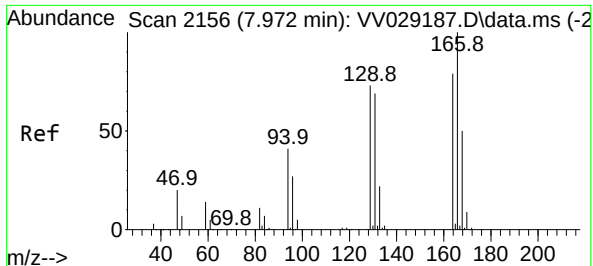
Tgt Ion: 75 Resp: 2208

Ion Ratio Lower Upper

75 100

77 59.3 21.8 40.6#

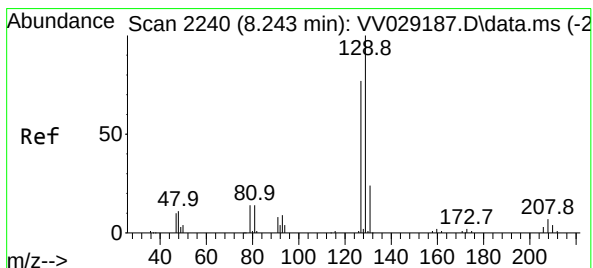
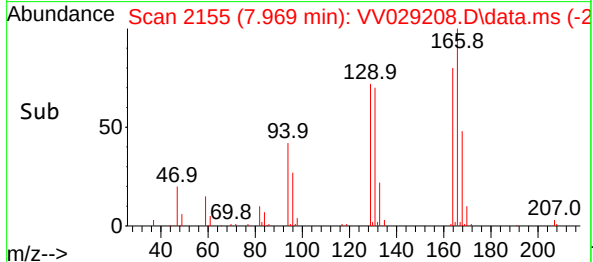
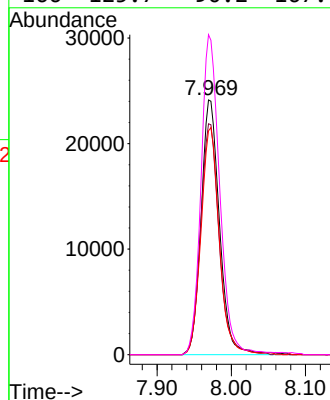
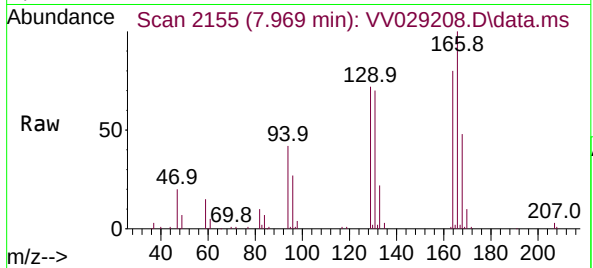




#47
Tetrachloroethene
Concen: 2.351 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.003 min
Lab File: VV029208.D
Acq: 20 Nov 2022 06:38

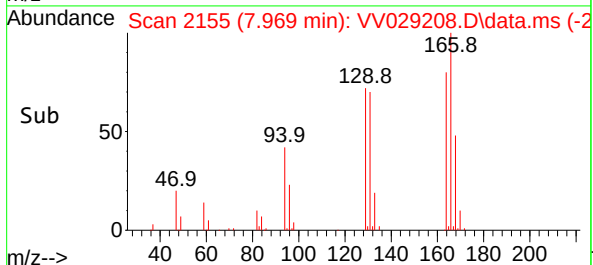
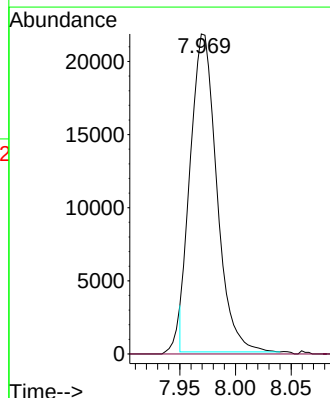
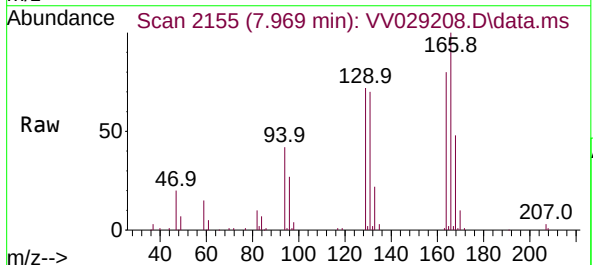
Instrument :
MSVOA_V
ClientSampleId :
BH1K1

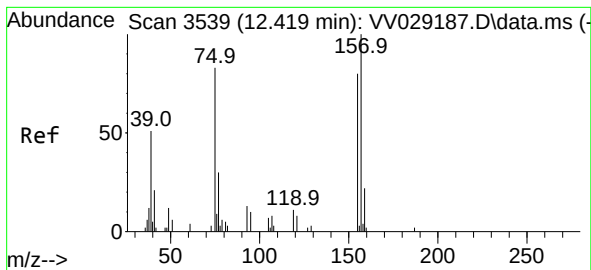
Tgt Ion:164	Resp:	41656
Ion Ratio	Lower	Upper
164	100	
129	90.7	63.9 118.7
131	87.9	61.8 114.8
166	125.7	90.2 167.4



#49
Dibromochloromethane
Concen: 2.266 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.273 min
Lab File: VV029208.D
Acq: 20 Nov 2022 06:38

Tgt Ion:129	Resp:	35741
Ion Ratio	Lower	Upper
129	100	
127	0.0	54.5 101.1#





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.315 ug/L
 RT: 12.236 min Scan# 34
 Delta R.T. -0.183 min
 Lab File: VV029208.D
 Acq: 20 Nov 2022 06:38

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1K1

Tgt Ion: 75 Resp: 562
 Ion Ratio Lower Upper
 75 100
 155 0.0 64.8 97.2#
 157 0.0 86.3 129.5#

