

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111922\
 Data File : VW029203.D
 Acq On : 20 Nov 2022 04:35
 Operator : SY/MD
 Sample : N5651-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1G7

Quant Time: Nov 20 05:14:41 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	5.612	114	309554	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	279571	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	130526	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	94896	5.028	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.600%
7) Chloroethane-d5	1.568	69	77013	4.642	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.800%
11) 1,1-Dichloroethene-d2	2.105	63	124160	3.610	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.200%
20) 2-Butanone-d5	3.896	46	189525	59.994	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.980%
24) Chloroform-d	4.342	84	170950	4.412	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
26) 1,2-Dichloroethane-d4	5.031	65	79658	4.569	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
32) Benzene-d6	5.047	84	361150	4.328	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
36) 1,2-Dichloropropane-d6	6.066	67	106319	4.563	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.200%
41) Toluene-d8	7.310	98	314850	4.191	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.800%
43) trans-1,3-Dichloroprop...	7.622	79	30862	4.061	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.200%
46) 2-Hexanone-d5	8.088	63	144802	44.637	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.280%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	73866	4.572	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	11.615	152	113151	4.845	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	3267	0.127	ug/L	96
3) Chloromethane	1.240	50	2757	0.129	ug/L	90
8) Chloroethane	1.413	64	164545	11.463	ug/L #	51
9) Trichlorofluoromethane	1.754	101	6748	0.205	ug/L	97
12) 1,1-Dichloroethene	2.114	96	5941	0.317	ug/L #	1
17) Methyl tert-butyl Ether	2.764	73	21515	0.536	ug/L	99
18) trans-1,2-Dichloroethene	2.764	96	7585	0.349	ug/L	97
19) 1,1-Dichloroethane	3.188	63	18052	0.508	ug/L	97
22) cis-1,2-Dichloroethene	3.912	96	40547	1.835	ug/L	99
25) Chloroform	4.378	83	7001	0.188	ug/L	98
29) 1,1,1-Trichloroethane	4.596	97	682	0.021	ug/L #	38
34) Trichloroethene	5.908	95	349932	16.000	ug/L	98
35) Methylcyclohexane	6.066	83	25784	0.671	ug/L #	21
37) 1,2-Dichloropropane	6.063	63	11154	0.566	ug/L #	85
39) cis-1,3-Dichloropropene	6.985	75	2143	0.078	ug/L #	52
47) Tetrachloroethene	7.969	164	173817	9.925	ug/L	97
49) Dibromochloromethane	7.969	129	150630	9.661	ug/L #	10
61) 1,2,3-Trichloropropane	11.242	75	24373	2.732	ug/L #	54
64) 1,3-Dichlorobenzene	11.265	146	37056	0.931	ug/L	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111922\
 Data File : VV029203.D
 Acq On : 20 Nov 2022 04:35
 Operator : SY/MD
 Sample : N5651-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 47 Sample Multiplier: 1

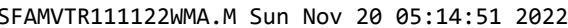
Instrument :
 MSVOA_V
 ClientSampleId :
 BH1G7

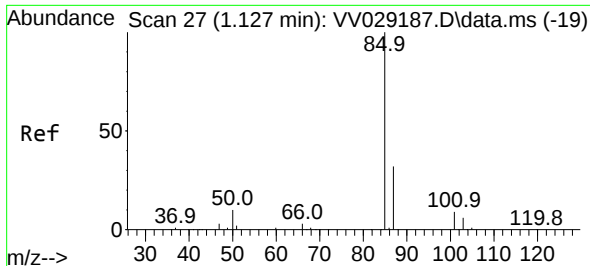
Quant Time: Nov 20 05:14:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Nov 20 03:53:06 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.265	146	37056	0.926	ug/L	96
67) 1,2-Dichlorobenzene	11.635	146	28274	0.791	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.242	75	685	0.390	ug/L #	2

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

Quant Time: Nov 20 05:14:41 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

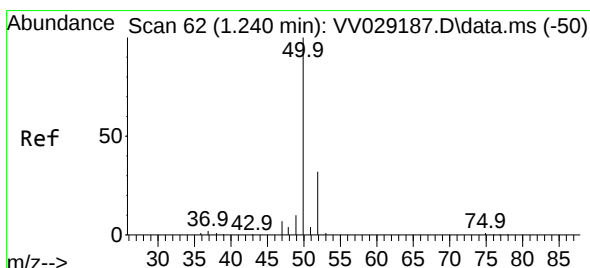
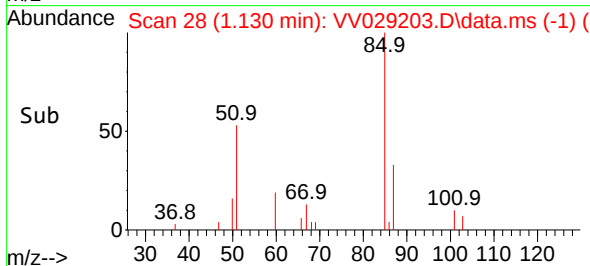
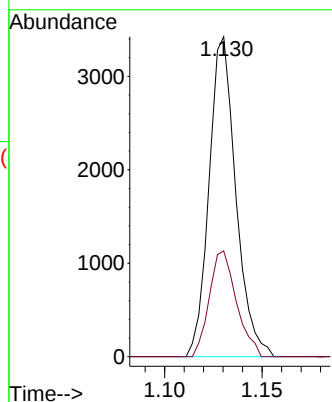
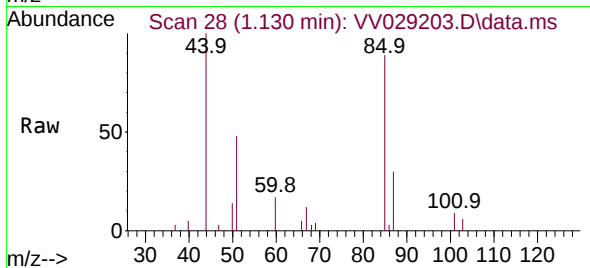




#2
Dichlorodifluoromethane
Concen: 0.127 ug/L
RT: 1.130 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV029203.D
Acq: 20 Nov 2022 04:35

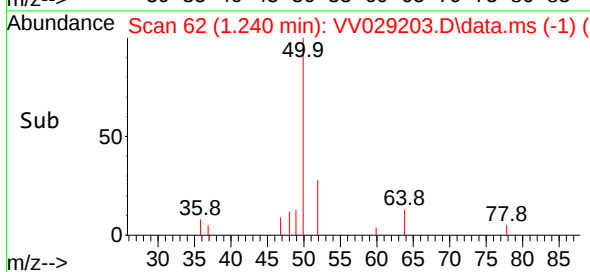
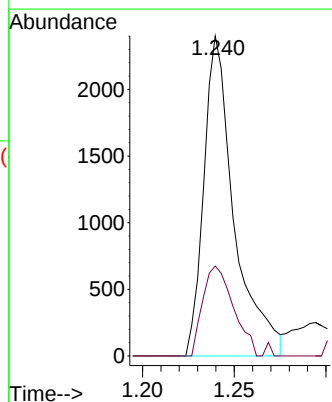
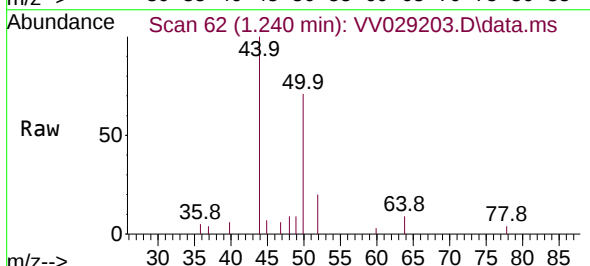
Instrument :
MSVOA_V
ClientSampleId :
BH1G7

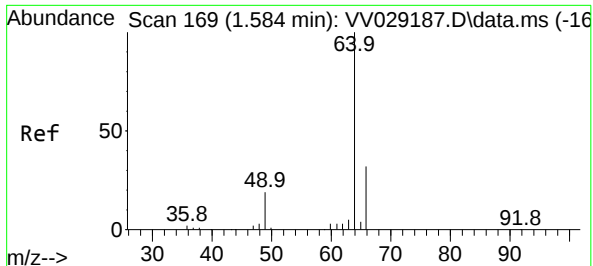
Tgt Ion: 85 Resp: 3267
Ion Ratio Lower Upper
85 100
87 33.5 25.0 37.4



#3
Chloromethane
Concen: 0.129 ug/L
RT: 1.240 min Scan# 62
Delta R.T. 0.000 min
Lab File: VV029203.D
Acq: 20 Nov 2022 04:35

Tgt Ion: 50 Resp: 2757
Ion Ratio Lower Upper
50 100
52 28.1 23.7 43.9

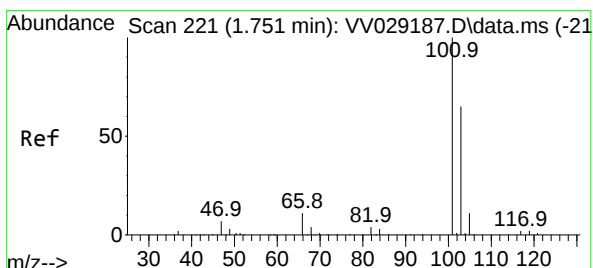
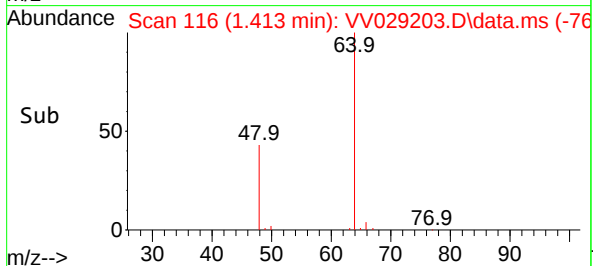
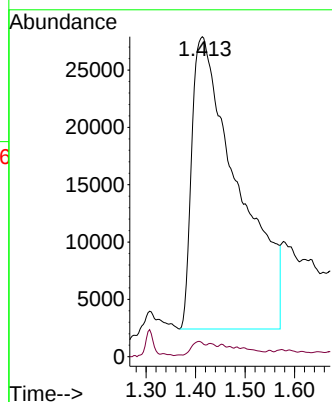
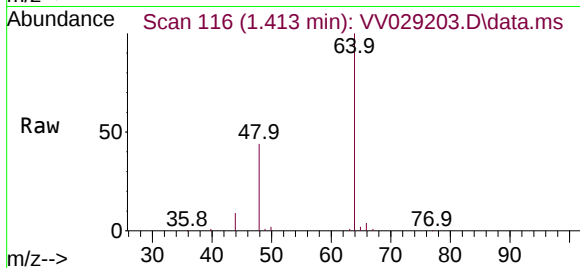




#8
Chloroethane
Concen: 11.463 ug/L
RT: 1.413 min Scan# 11
Delta R.T. -0.170 min
Lab File: VV029203.D
Acq: 20 Nov 2022 04:35

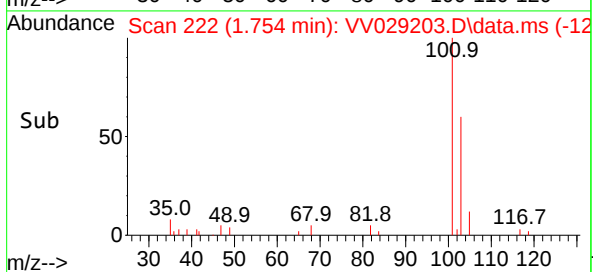
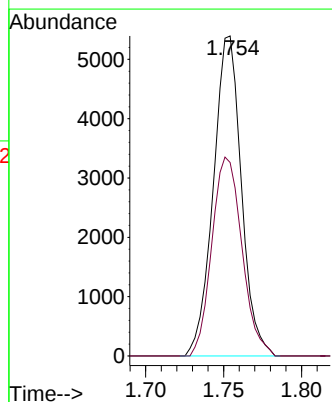
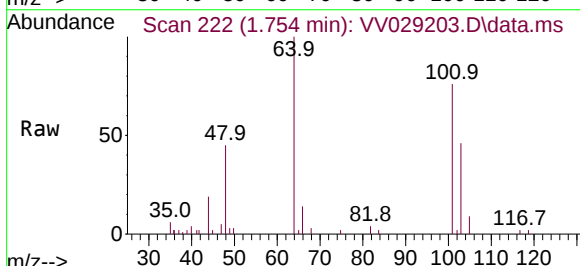
Instrument :
MSVOA_V
ClientSampleId :
BH1G7

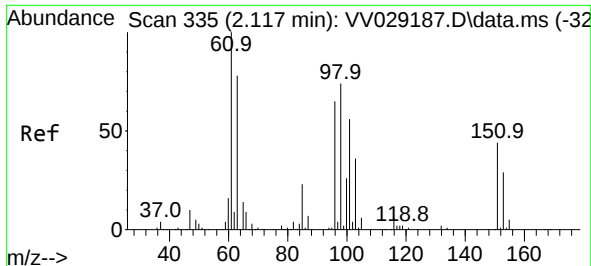
Tgt Ion: 64 Resp: 164545
Ion Ratio Lower Upper
64 100
66 4.3 22.0 40.8#



#9
Trichlorofluoromethane
Concen: 0.205 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.003 min
Lab File: VV029203.D
Acq: 20 Nov 2022 04:35

Tgt Ion:101 Resp: 6748
Ion Ratio Lower Upper
101 100
103 66.6 51.3 76.9

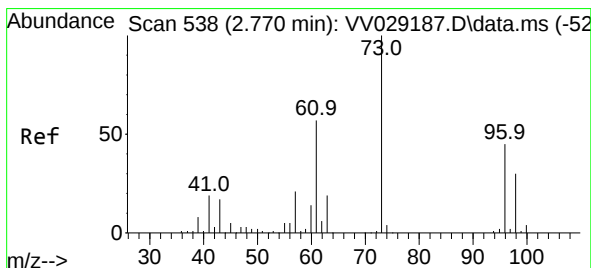
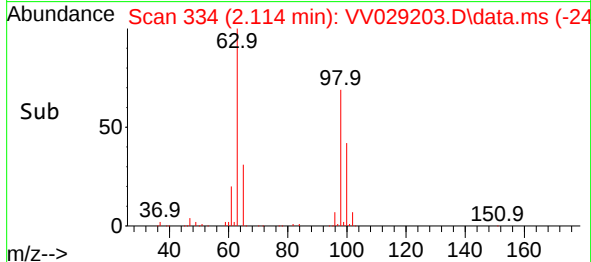
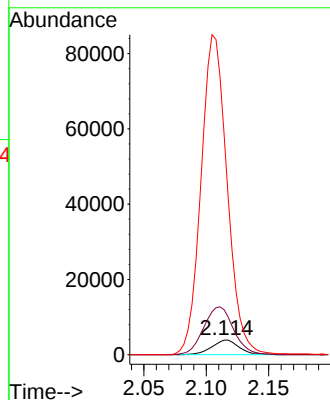
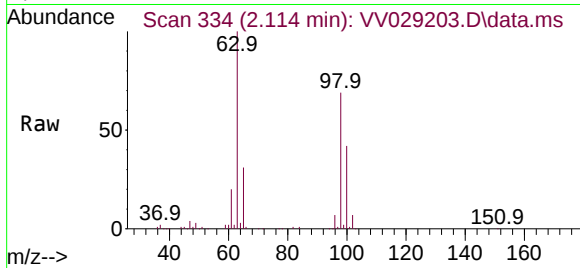




#12
 1,1-Dichloroethene
 Concen: 0.317 ug/L
 RT: 2.114 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV029203.D
 Acq: 20 Nov 2022 04:35

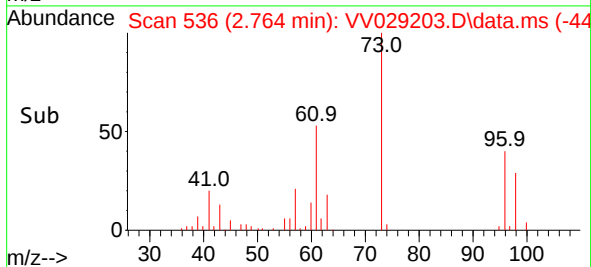
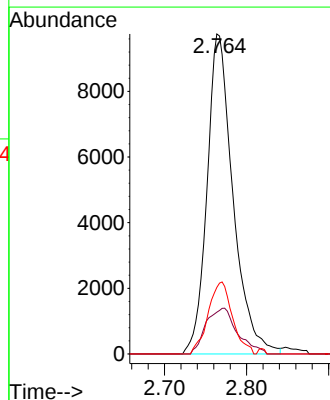
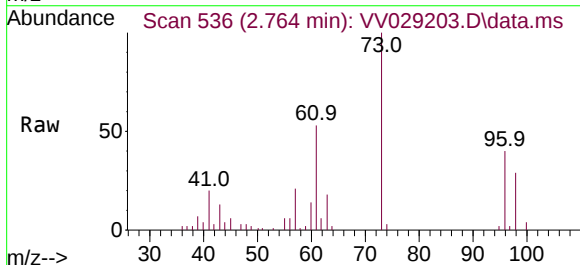
Instrument :
 MSVOA_V
 ClientSampleId :
 BH1G7

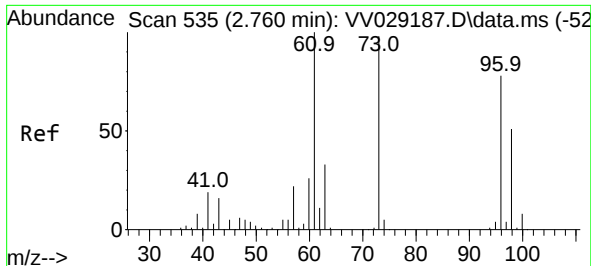
Tgt Ion: 96 Resp: 5941
 Ion Ratio Lower Upper
 96 100
 61 308.5 104.2 193.4#
 63 1520.2 75.9 140.9#



#17
 Methyl tert-butyl Ether
 Concen: 0.536 ug/L
 RT: 2.764 min Scan# 536
 Delta R.T. -0.006 min
 Lab File: VV029203.D
 Acq: 20 Nov 2022 04:35

Tgt Ion: 73 Resp: 21515
 Ion Ratio Lower Upper
 73 100
 43 17.2 13.0 19.4
 57 21.0 16.6 24.8

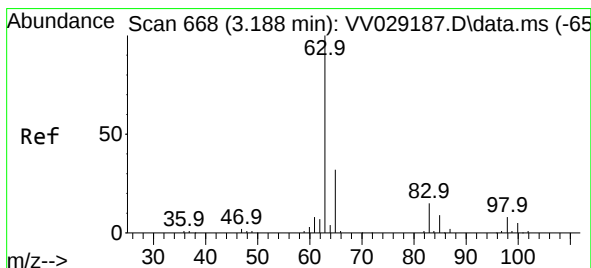
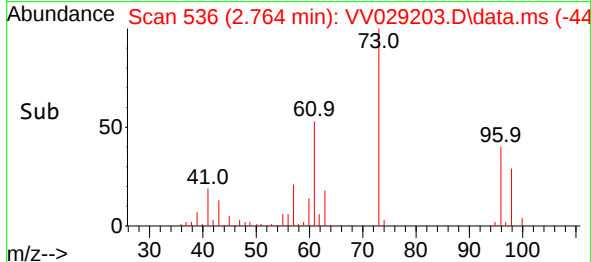
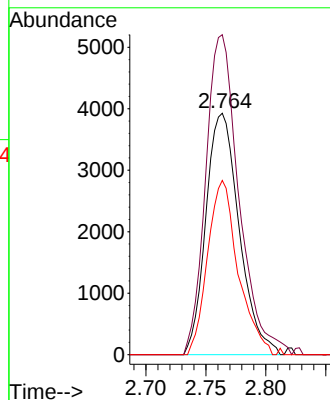
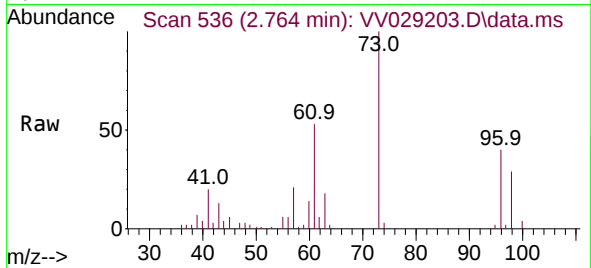




#18
trans-1,2-Dichloroethene
Concen: 0.349 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV029203.D
Acq: 20 Nov 2022 04:35

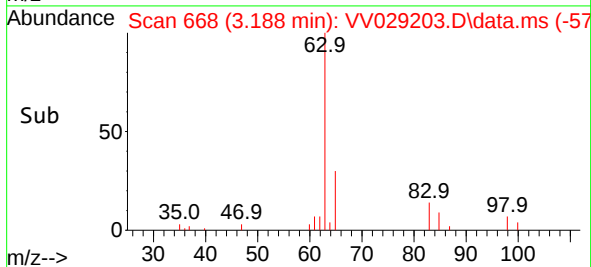
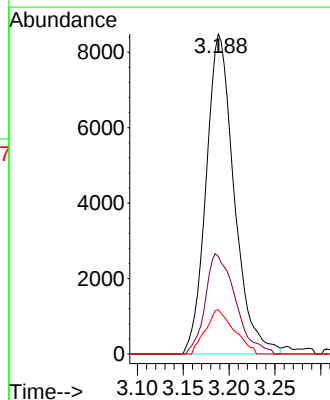
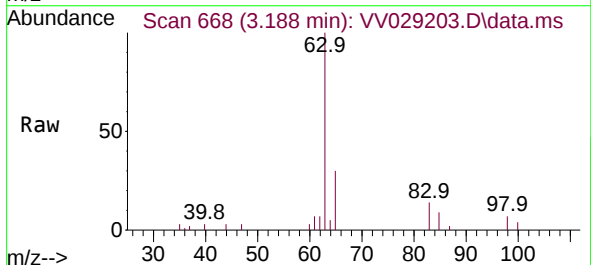
Instrument :
MSVOA_V
ClientSampleId :
BH1G7

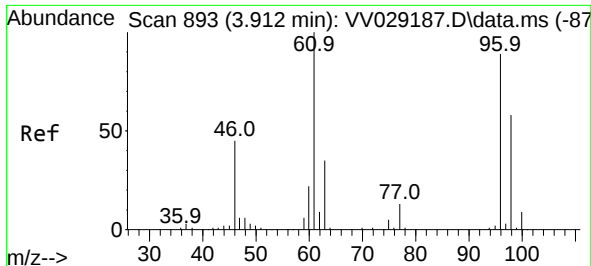
Tgt Ion: 96 Resp: 7585
Ion Ratio Lower Upper
96 100
61 132.5 91.8 170.6
98 72.1 46.4 86.2



#19
1,1-Dichloroethane
Concen: 0.508 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.000 min
Lab File: VV029203.D
Acq: 20 Nov 2022 04:35

Tgt Ion: 63 Resp: 18052
Ion Ratio Lower Upper
63 100
65 30.5 23.0 42.6
83 13.8 9.4 17.6





#22

cis-1,2-Dichloroethene

Concen: 1.835 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.000 min

Lab File: VV029203.D

Acq: 20 Nov 2022 04:35

Instrument :

MSVOA_V

ClientSampleId :

BH1G7

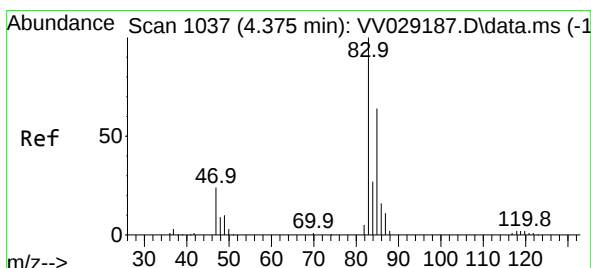
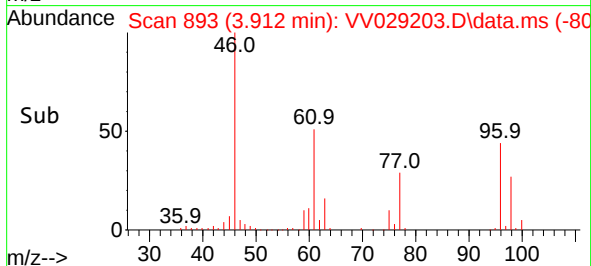
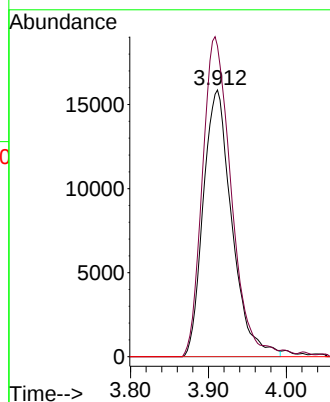
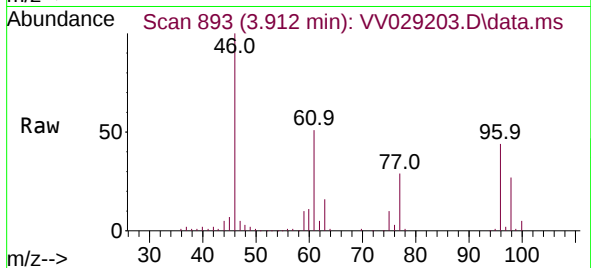
Tgt Ion: 96 Resp: 40547

Ion Ratio Lower Upper

96 100

61 116.5 82.3 152.9

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.188 ug/L

RT: 4.378 min Scan# 1038

Delta R.T. 0.003 min

Lab File: VV029203.D

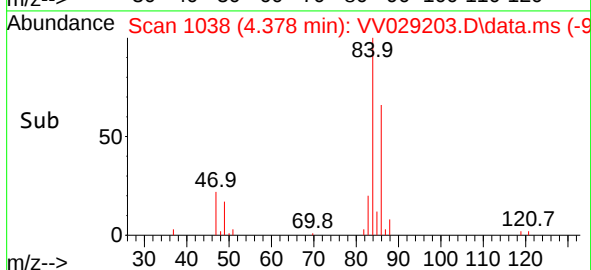
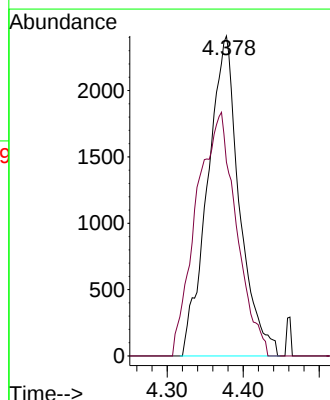
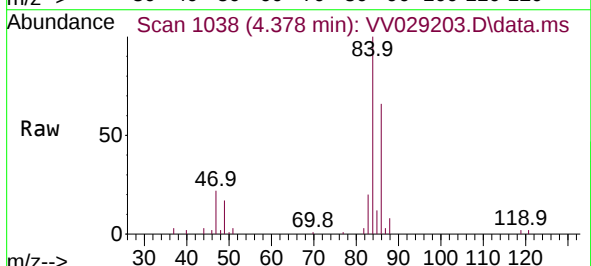
Acq: 20 Nov 2022 04:35

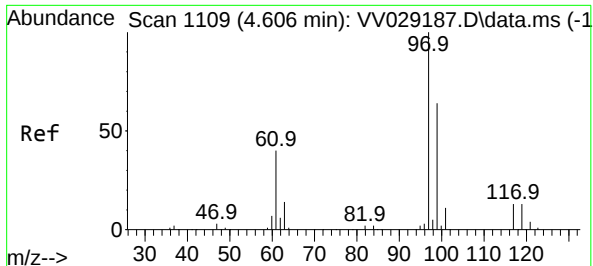
Tgt Ion: 83 Resp: 7001

Ion Ratio Lower Upper

83 100

85 60.6 43.7 81.1





#29

1,1,1-Trichloroethane

Concen: 0.021 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. -0.010 min

Lab File: VV029203.D

Acq: 20 Nov 2022 04:35

Instrument :

MSVOA_V

ClientSampleId :

BH1G7

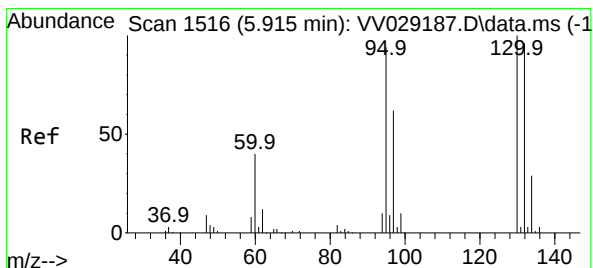
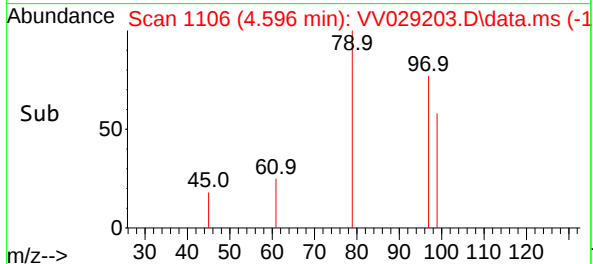
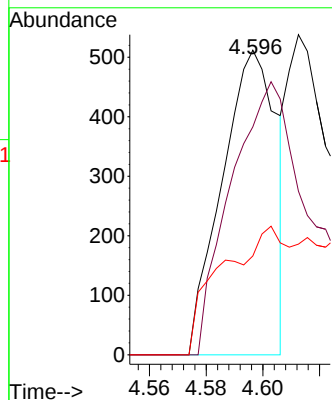
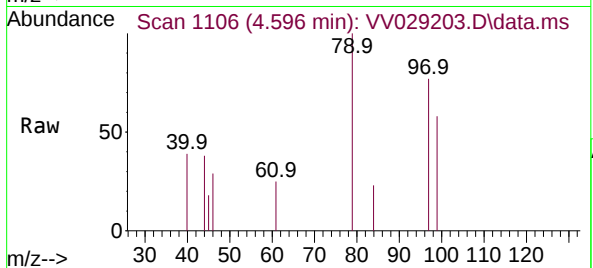
Tgt Ion: 97 Resp: 682

Ion Ratio Lower Upper

97 100

99 139.6 52.7 79.1#

61 50.7 33.8 50.6#



#34

Trichloroethene

Concen: 16.000 ug/L

RT: 5.908 min Scan# 1514

Delta R.T. -0.006 min

Lab File: VV029203.D

Acq: 20 Nov 2022 04:35

Tgt Ion: 95 Resp: 349932

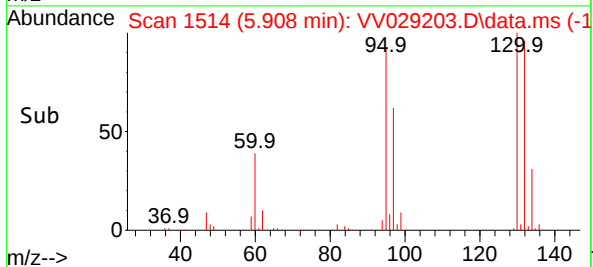
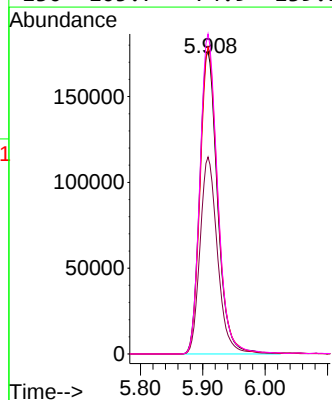
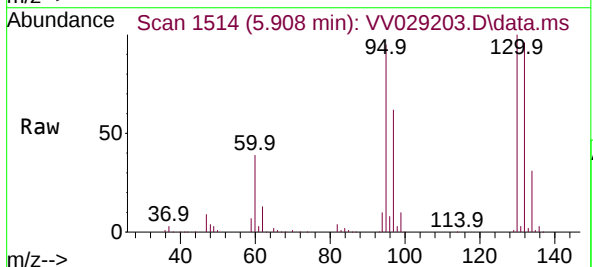
Ion Ratio Lower Upper

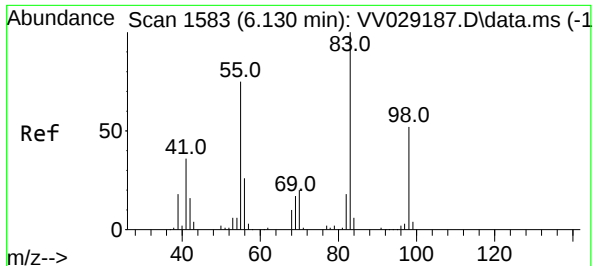
95 100

97 65.1 45.6 84.8

132 101.5 69.1 128.3

130 105.7 74.9 139.1

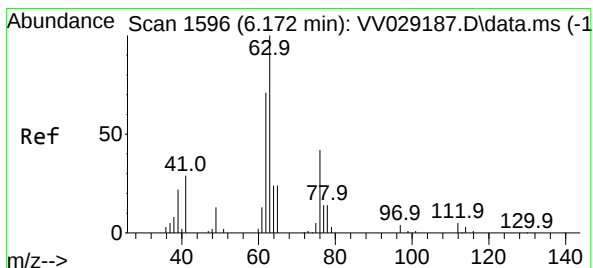
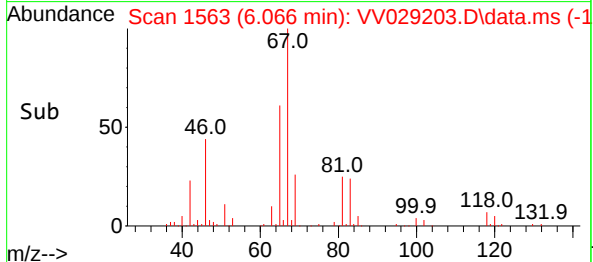
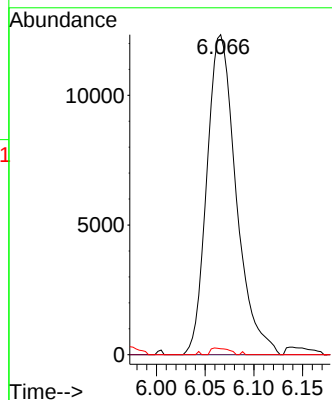
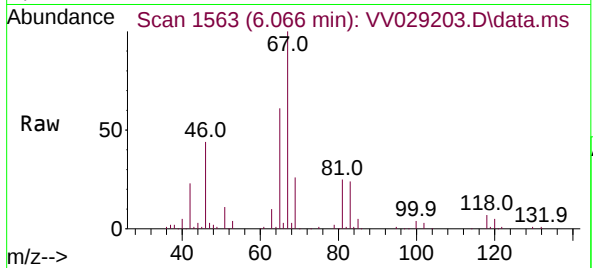




#35
Methylcyclohexane
Concen: 0.671 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.064 min
Lab File: VV029203.D
Acq: 20 Nov 2022 04:35

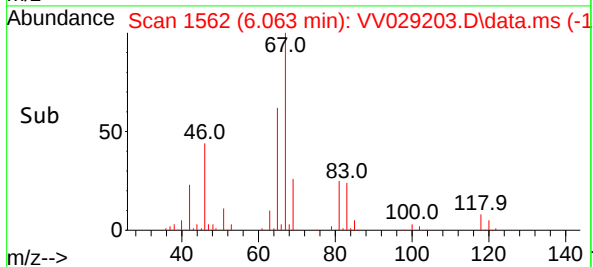
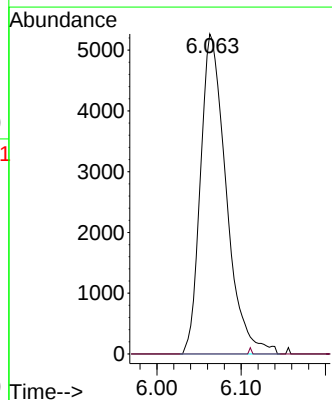
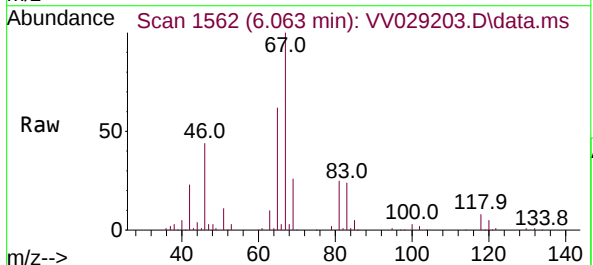
Instrument :
MSVOA_V
ClientSampleId :
BH1G7

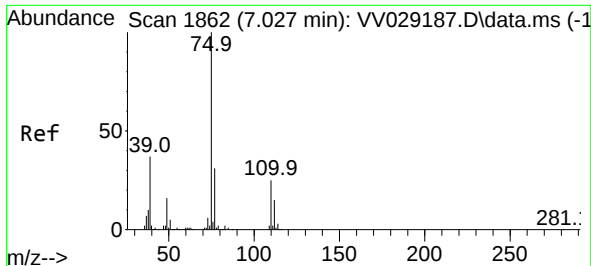
Tgt Ion: 83 Resp: 25784
Ion Ratio Lower Upper
83 100
55 0.0 55.8 83.6#
98 1.2 38.2 57.2#



#37
1,2-Dichloropropane
Concen: 0.566 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.109 min
Lab File: VV029203.D
Acq: 20 Nov 2022 04:35

Tgt Ion: 63 Resp: 11154
Ion Ratio Lower Upper
63 100
112 0.2 4.0 6.0#





#39

cis-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 6.985 min Scan# 11

Delta R.T. -0.042 min

Lab File: VV029203.D

Acq: 20 Nov 2022 04:35

Instrument :

MSVOA_V

ClientSampleId :

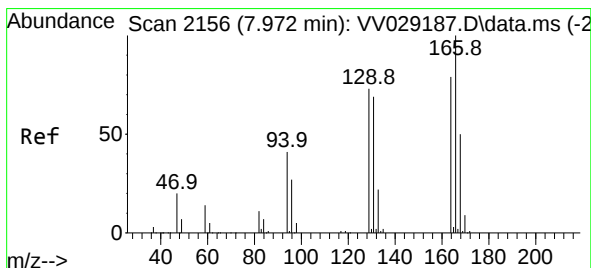
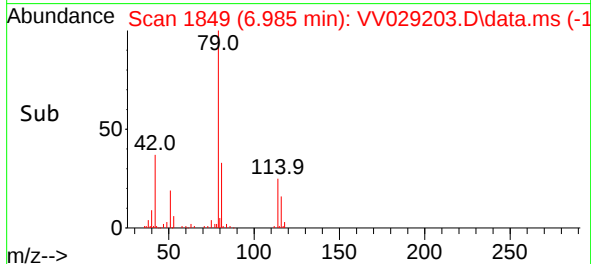
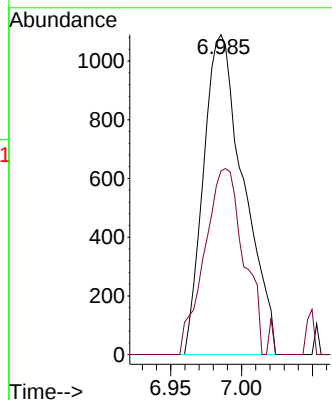
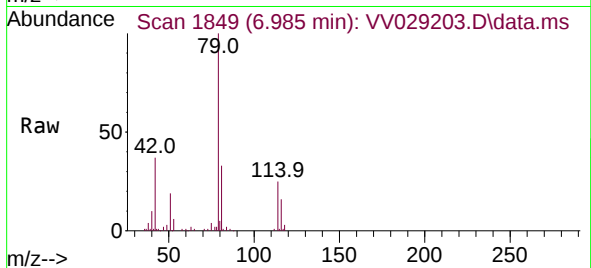
BH1G7

Tgt Ion: 75 Resp: 2143

Ion Ratio Lower Upper

75 100

77 57.4 21.8 40.6#



#47

Tetrachloroethene

Concen: 9.925 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.003 min

Lab File: VV029203.D

Acq: 20 Nov 2022 04:35

Tgt Ion: 164 Resp: 173817

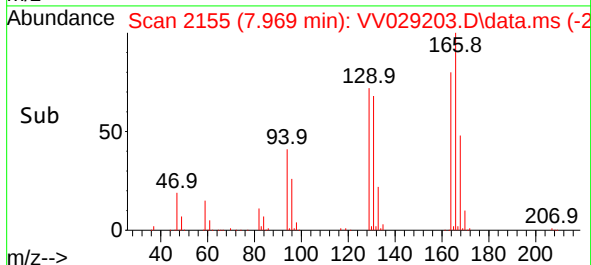
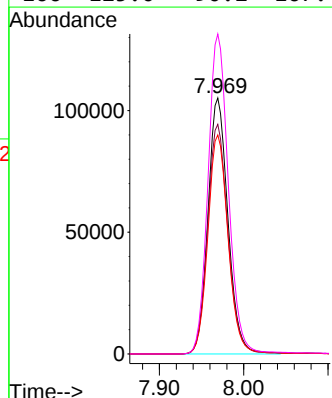
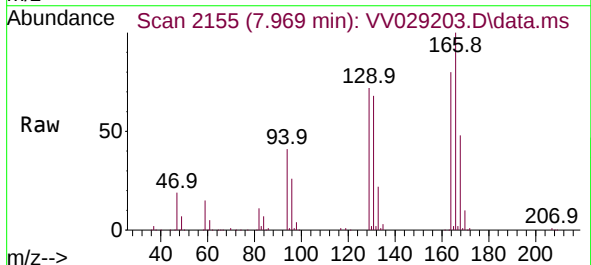
Ion Ratio Lower Upper

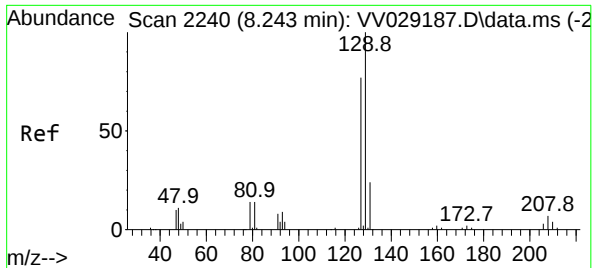
164 100

129 89.7 63.9 118.7

131 85.5 61.8 114.8

166 125.0 90.2 167.4





#49

Dibromochloromethane

Concen: 9.661 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.273 min

Lab File: VV029203.D

Acq: 20 Nov 2022 04:35

Instrument :

MSVOA_V

ClientSampleId :

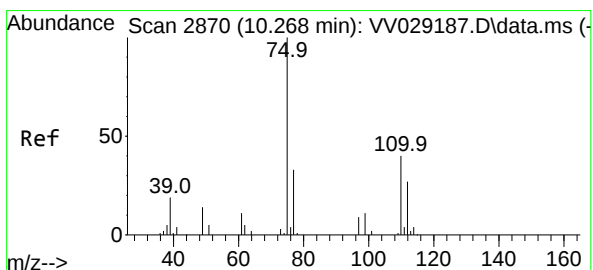
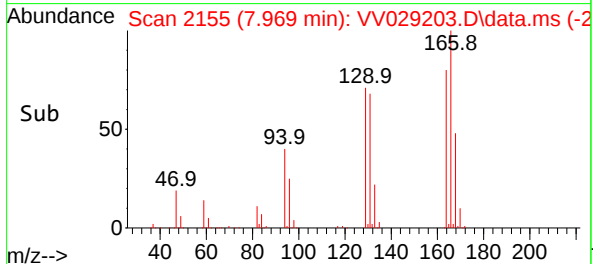
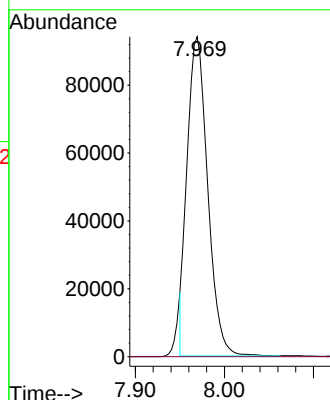
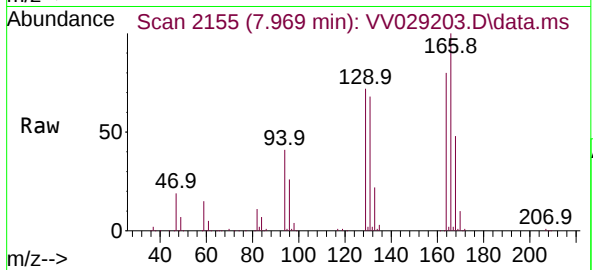
BH1G7

Tgt Ion:129 Resp: 150630

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#61

1,2,3-Trichloropropane

Concen: 2.732 ug/L

RT: 11.242 min Scan# 3173

Delta R.T. 0.974 min

Lab File: VV029203.D

Acq: 20 Nov 2022 04:35

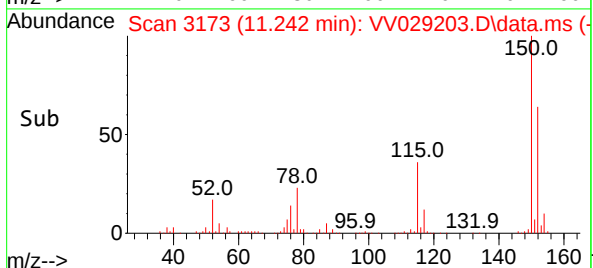
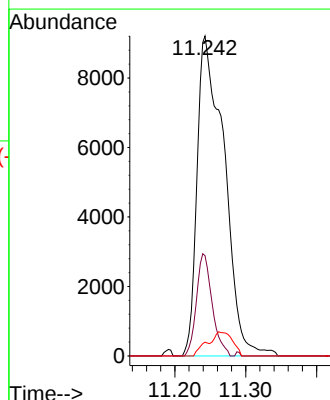
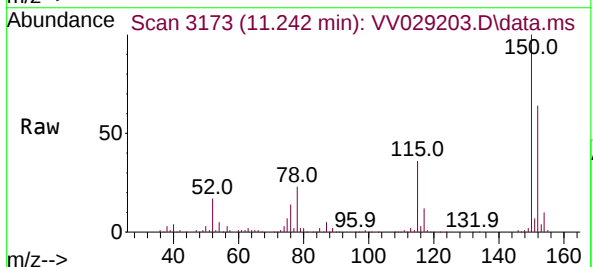
Tgt Ion: 75 Resp: 24373

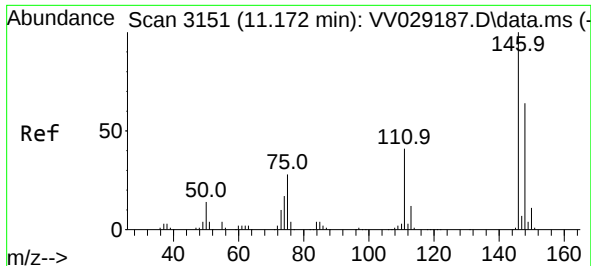
Ion Ratio Lower Upper

75 100

77 18.6 26.2 39.2#

110 1.6 32.6 48.8#





#64

1,3-Dichlorobenzene

Concen: 0.931 ug/L

RT: 11.265 min Scan# 31

Delta R.T. 0.093 min

Lab File: VV029203.D

Acq: 20 Nov 2022 04:35

Instrument :

MSVOA_V

ClientSampleId :

BH1G7

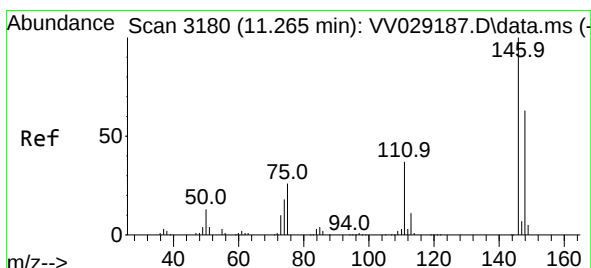
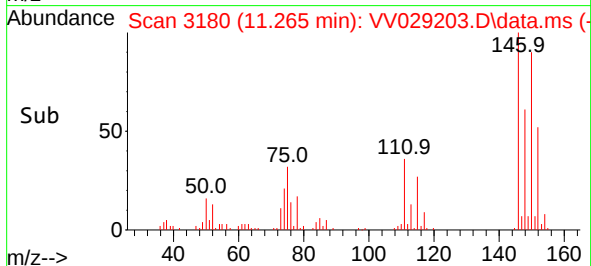
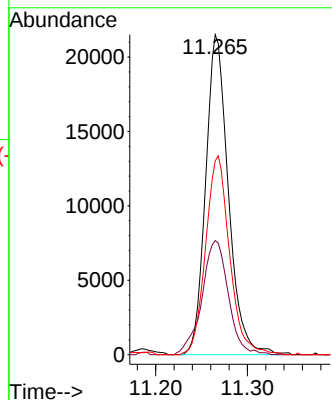
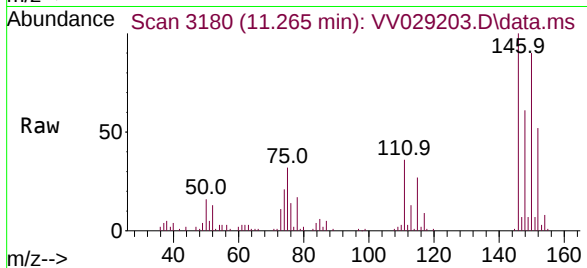
Tgt Ion:146 Resp: 37056

Ion Ratio Lower Upper

146 100

111 35.6 26.9 50.1

148 60.6 44.1 81.9



#65

1,4-Dichlorobenzene

Concen: 0.926 ug/L

RT: 11.265 min Scan# 3180

Delta R.T. 0.000 min

Lab File: VV029203.D

Acq: 20 Nov 2022 04:35

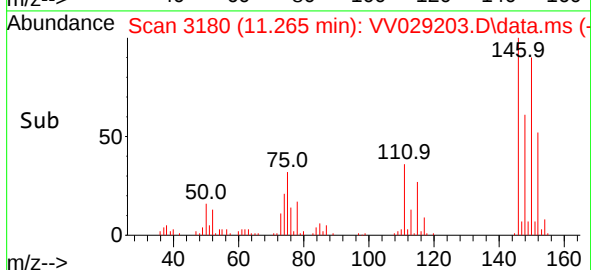
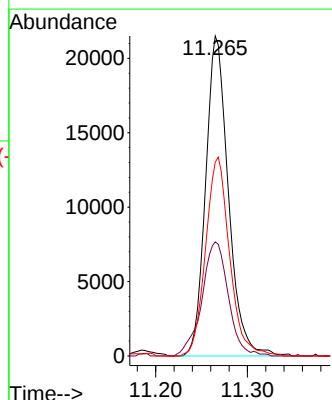
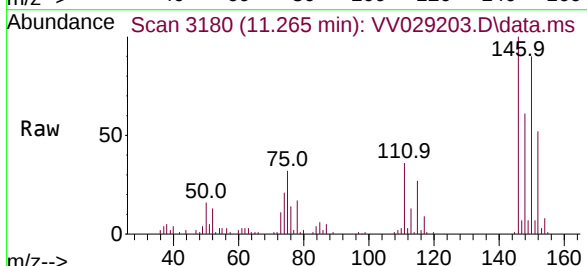
Tgt Ion:146 Resp: 37056

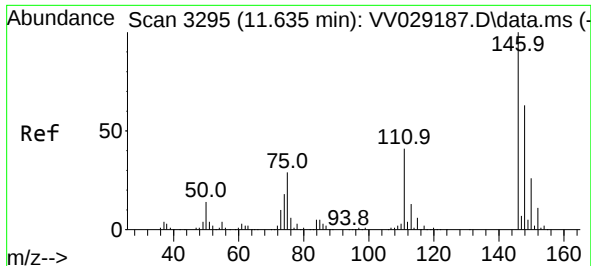
Ion Ratio Lower Upper

146 100

111 35.6 26.5 49.3

148 60.6 44.5 82.7

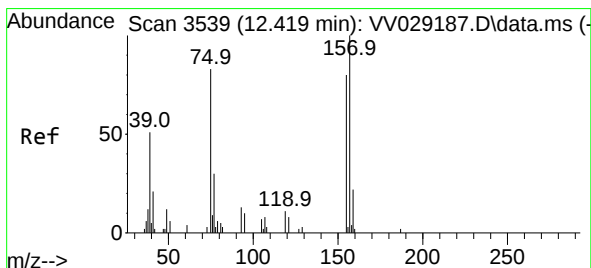
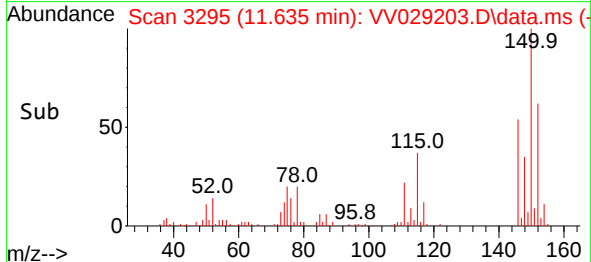
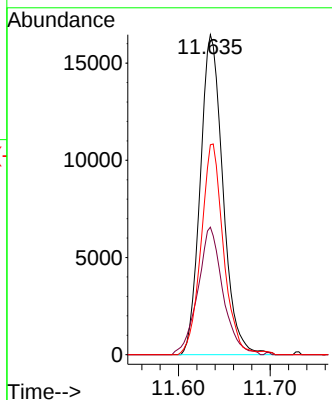
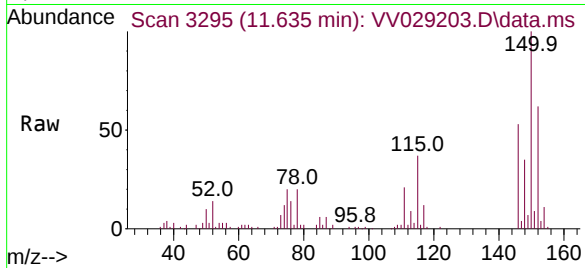




#67
 1,2-Dichlorobenzene
 Concen: 0.791 ug/L
 RT: 11.635 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV029203.D
 Acq: 20 Nov 2022 04:35

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1G7

Tgt Ion:146 Resp: 28274
 Ion Ratio Lower Upper
 146 100
 111 39.9 32.4 48.6
 148 65.6 49.4 74.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.390 ug/L
 RT: 12.242 min Scan# 3484
 Delta R.T. -0.177 min
 Lab File: VV029203.D
 Acq: 20 Nov 2022 04:35

Tgt Ion: 75 Resp: 685
 Ion Ratio Lower Upper
 75 100
 155 0.0 64.8 97.2#
 157 0.0 86.3 129.5#

