

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111822\
 Data File : VW029146.D
 Acq On : 19 Nov 2022 03:15
 Operator : SY/MD
 Sample : M5666-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGXP5

Quant Time: Nov 19 03:57:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 18 04:35:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	287587	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	263086	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	120606	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	67568	3.854	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.000%
7) Chloroethane-d5	1.568	69	64157	4.162	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.200%
11) 1,1-Dichloroethene-d2	2.111	63	187523	5.869	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	117.400%
20) 2-Butanone-d5	3.889	46	175666	59.854	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.700%
24) Chloroform-d	4.342	84	165321	4.593	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	5.027	65	79612	4.916	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
32) Benzene-d6	5.047	84	327046	4.165	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.200%
36) 1,2-Dichloropropane-d6	6.066	67	105731	4.822	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.400%
41) Toluene-d8	7.310	98	285140	4.034	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.600%
43) trans-1,3-Dichloroprop...	7.619	79	33679	4.709	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.200%
46) 2-Hexanone-d5	8.088	63	153448	50.266	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.540%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	81879	5.386	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.800%
66) 1,2-Dichlorobenzene-d4	11.616	152	111269	5.157	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	1887	0.079	ug/L	97
3) Chloromethane	1.217	50	4974	0.250	ug/L #	46
5) Vinyl chloride	1.310	62	3679	0.162	ug/L #	40
8) Chloroethane	1.545	64	41241	3.092	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	1545	0.089	ug/L #	21
12) 1,1-Dichloroethene	2.118	96	183193	10.523	ug/L #	85
17) Methyl tert-butyl Ether	2.770	73	4102	0.110	ug/L #	92
18) trans-1,2-Dichloroethene	2.761	96	3263	0.162	ug/L	99
19) 1,1-Dichloroethane	3.185	63	515578	15.620	ug/L	98
22) cis-1,2-Dichloroethene	3.902	96	1586955	77.308	ug/L	98
25) Chloroform	4.378	83	5035	0.146	ug/L	77
27) 1,2-Dichloroethane	5.133	62	24509	1.375	ug/L	99
29) 1,1,1-Trichloroethane	4.603	97	146632	4.750	ug/L	99
31) Carbon tetrachloride	4.606	117	20375	0.766	ug/L	97
34) Trichloroethene	5.908	95	271474	13.190	ug/L	98
35) Methylcyclohexane	6.066	83	24978	0.691	ug/L #	24
37) 1,2-Dichloropropane	6.063	63	10893	0.588	ug/L #	85
39) cis-1,3-Dichloropropene	6.982	75	2208	0.085	ug/L #	64
61) 1,2,3-Trichloropropane	11.239	75	13754	1.669	ug/L #	65

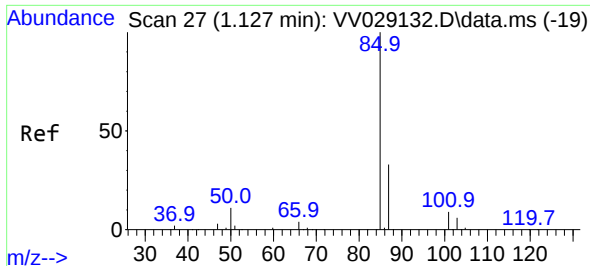
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111822\
Data File : VV029146.D
Acq On : 19 Nov 2022 03:15
Operator : SY/MD
Sample : M5666-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BGXP5

Quant Time: Nov 19 03:57:06 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 18 04:35:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	12.243	75	221	0.136	ug/L #	2

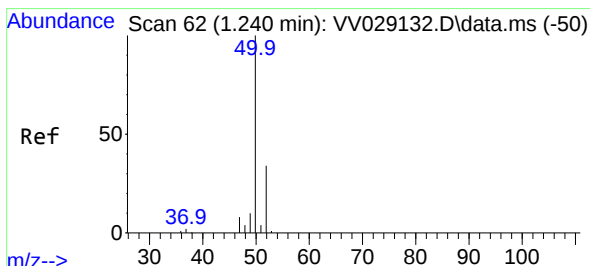
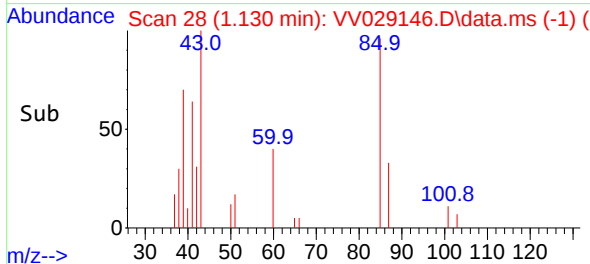
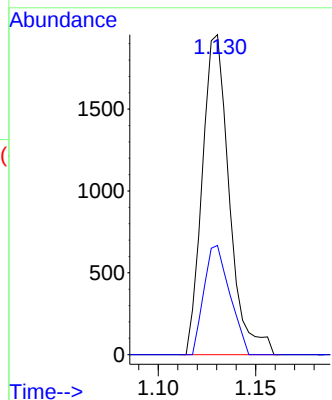
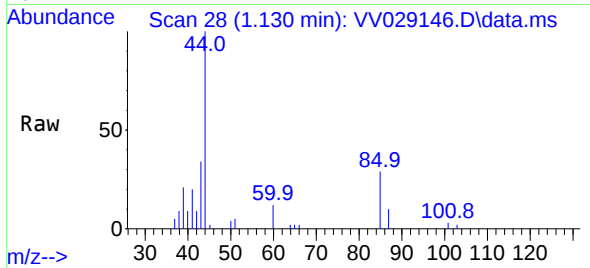
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 0.079 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029146.D
 Acq: 19 Nov 2022 03:15

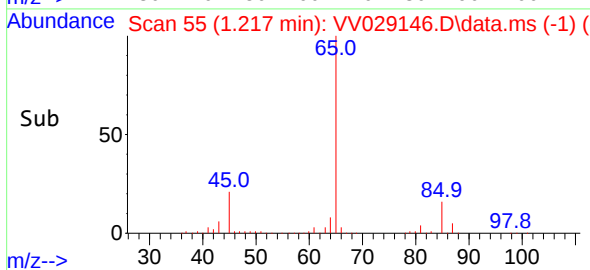
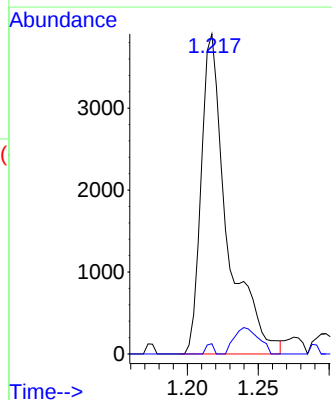
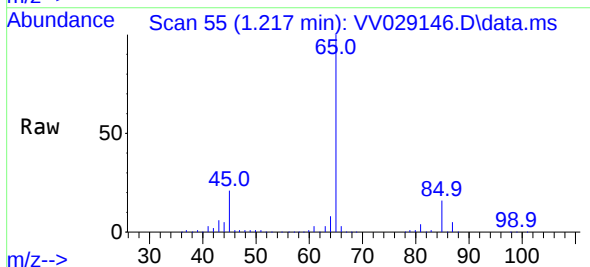
Instrument :
 MSVOA_V
 ClientSampleId :
 BGXP5

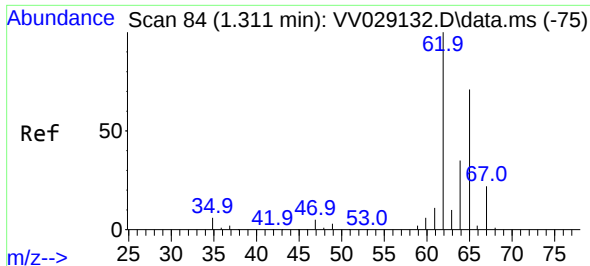
Tgt Ion: 85 Resp: 1887
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.0 37.4



#3
 Chloromethane
 Concen: 0.250 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.023 min
 Lab File: VV029146.D
 Acq: 19 Nov 2022 03:15

Tgt Ion: 50 Resp: 4974
 Ion Ratio Lower Upper
 50 100
 52 3.2 23.7 43.9#

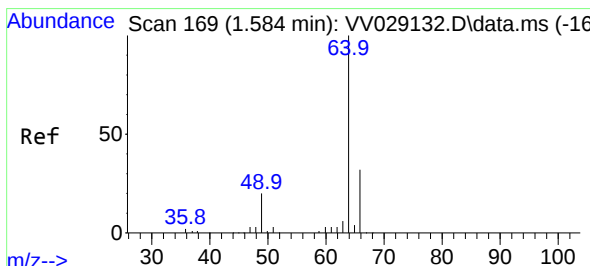
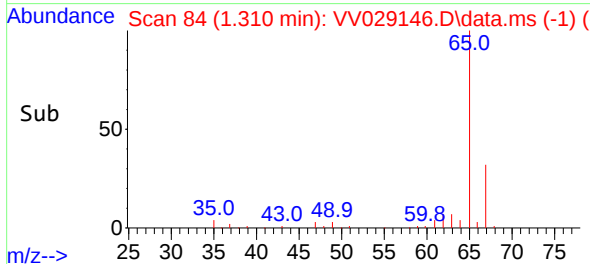
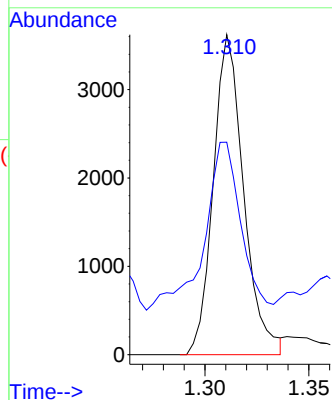
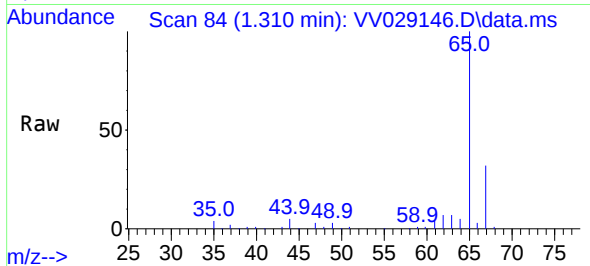




#5
 Vinyl chloride
 Concen: 0.162 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV029146.D
 Acq: 19 Nov 2022 03:15

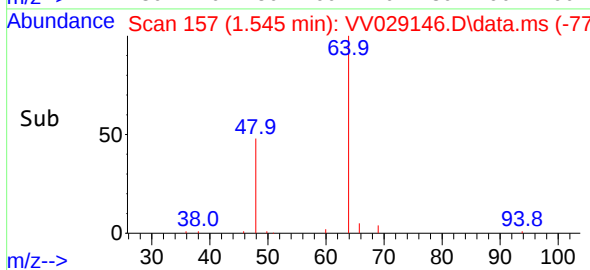
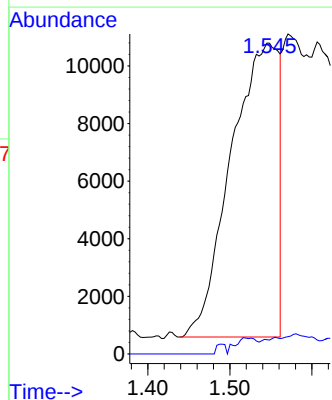
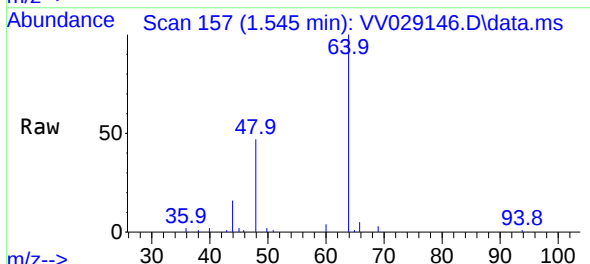
Instrument :
 MSVOA_V
 ClientSampleId :
 BGXP5

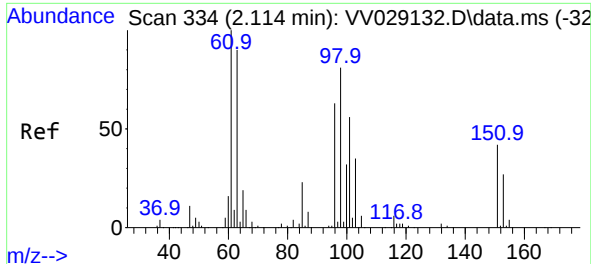
Tgt Ion: 62 Resp: 3679
 Ion Ratio Lower Upper
 62 100
 64 66.4 22.8 42.4#



#8
 Chloroethane
 Concen: 3.092 ug/L
 RT: 1.545 min Scan# 157
 Delta R.T. -0.042 min
 Lab File: VV029146.D
 Acq: 19 Nov 2022 03:15

Tgt Ion: 64 Resp: 41241
 Ion Ratio Lower Upper
 64 100
 66 4.6 22.0 40.8#

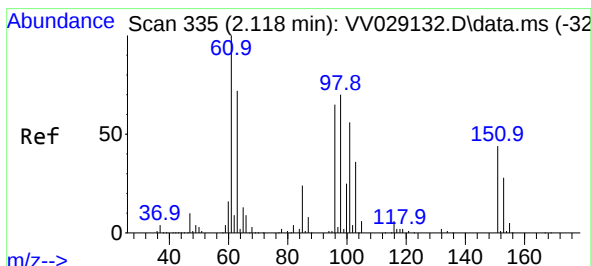
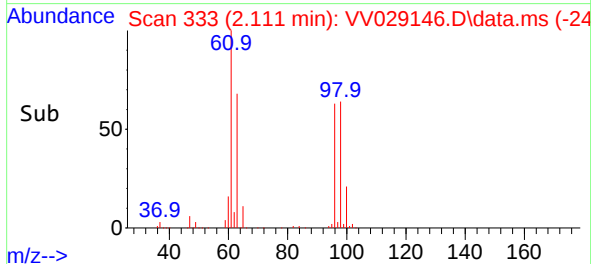
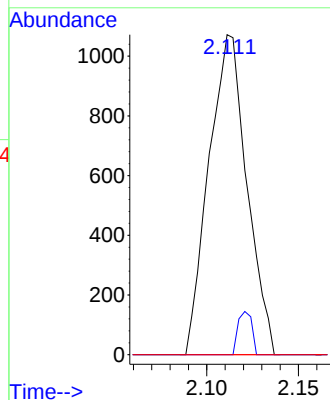
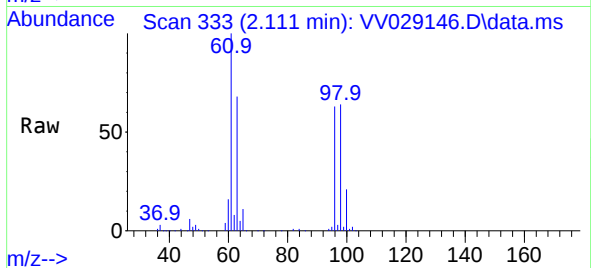




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.089 ug/L
RT: 2.111 min Scan# 311
Delta R.T. -0.006 min
Lab File: VV029146.D
Acq: 19 Nov 2022 03:15

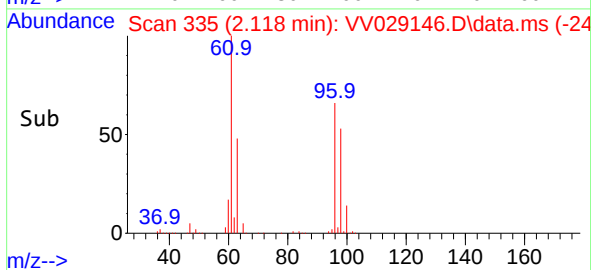
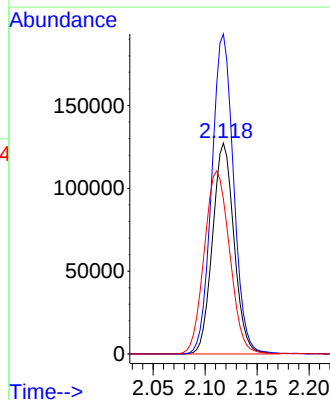
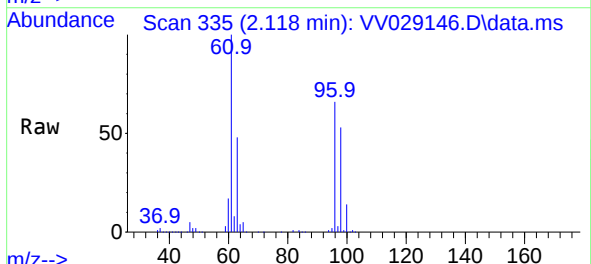
Instrument :
MSVOA_V
ClientSampleId :
BGXP5

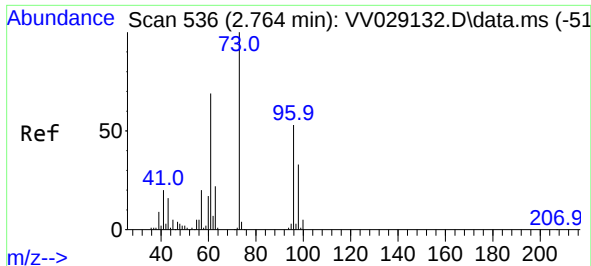
Tgt Ion:101 Resp: 1545
Ion Ratio Lower Upper
101 100
85 4.9 32.9 49.3#
151 0.0 62.5 93.7#



#12
1,1-Dichloroethene
Concen: 10.523 ug/L
RT: 2.118 min Scan# 335
Delta R.T. -0.003 min
Lab File: VV029146.D
Acq: 19 Nov 2022 03:15

Tgt Ion: 96 Resp: 183193
Ion Ratio Lower Upper
96 100
61 151.8 104.2 193.4
63 73.4 75.9 140.9#





#17

Methyl tert-butyl Ether

Concen: 0.110 ug/L

RT: 2.770 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV029146.D

Acq: 19 Nov 2022 03:15

Instrument :

MSVOA_V

ClientSampleId :

BGXP5

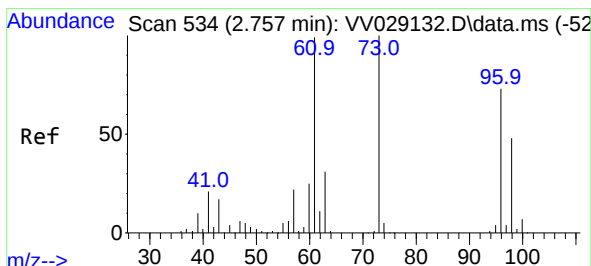
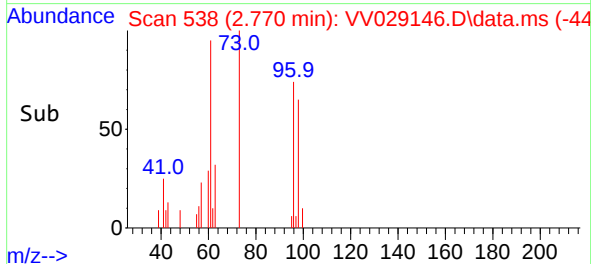
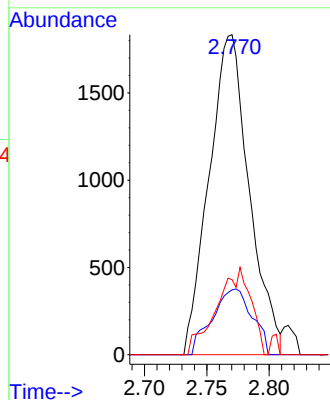
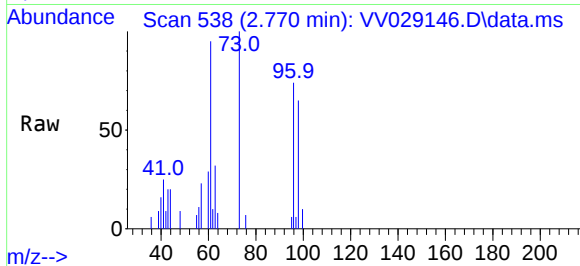
Tgt Ion: 73 Resp: 4102

Ion Ratio Lower Upper

73 100

43 20.5 13.0 19.4#

57 23.4 16.6 24.8



#18

trans-1,2-Dichloroethene

Concen: 0.162 ug/L

RT: 2.761 min Scan# 535

Delta R.T. -0.000 min

Lab File: VV029146.D

Acq: 19 Nov 2022 03:15

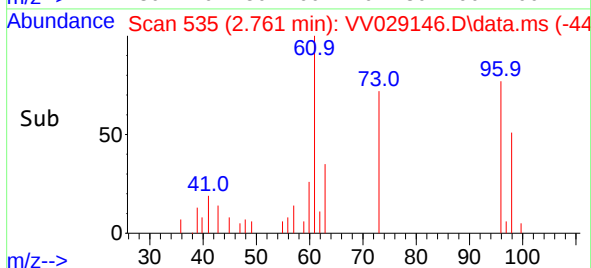
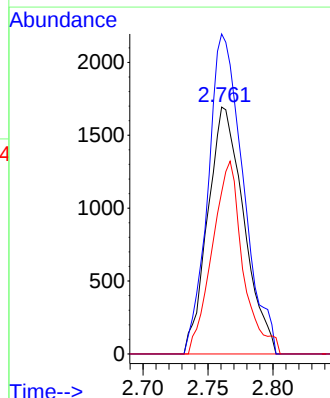
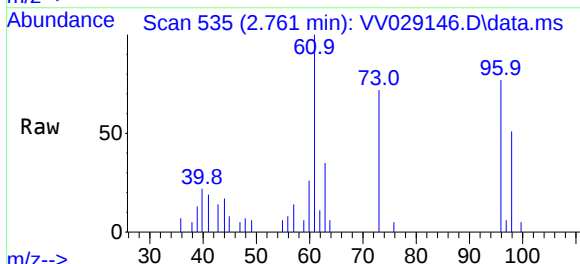
Tgt Ion: 96 Resp: 3263

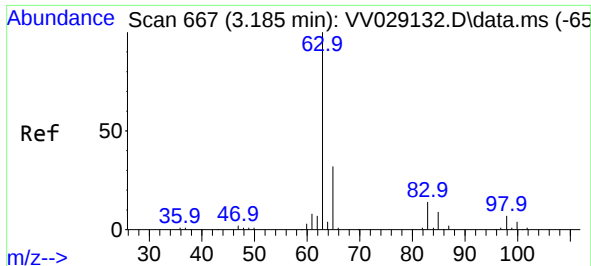
Ion Ratio Lower Upper

96 100

61 129.7 91.8 170.6

98 65.6 46.4 86.2





#19

1,1-Dichloroethane

Concen: 15.620 ug/L

RT: 3.185 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV029146.D

Acq: 19 Nov 2022 03:15

Instrument :

MSVOA_V

ClientSampleId :

BGXP5

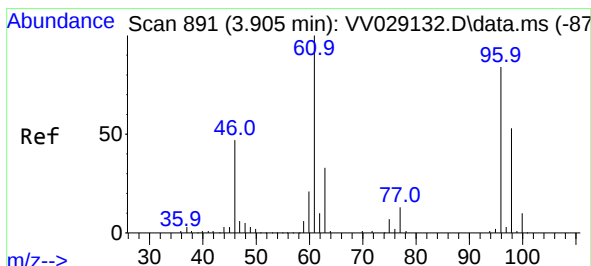
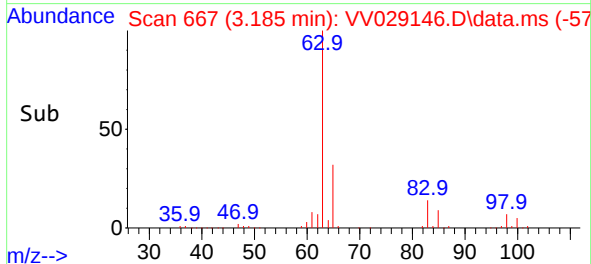
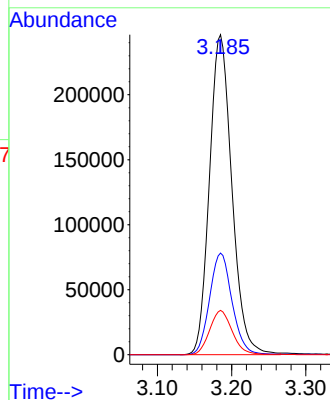
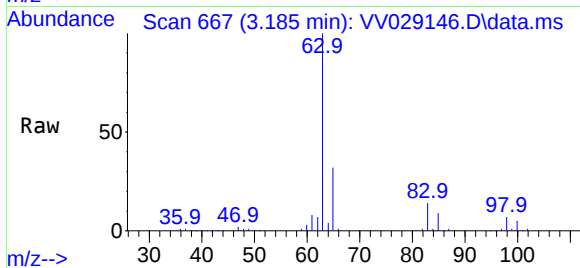
Tgt Ion: 63 Resp: 515578

Ion Ratio Lower Upper

63 100

65 31.7 23.0 42.6

83 13.8 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 77.308 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.010 min

Lab File: VV029146.D

Acq: 19 Nov 2022 03:15

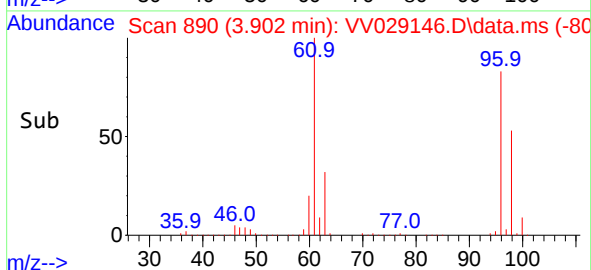
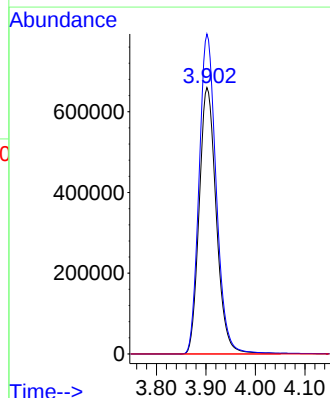
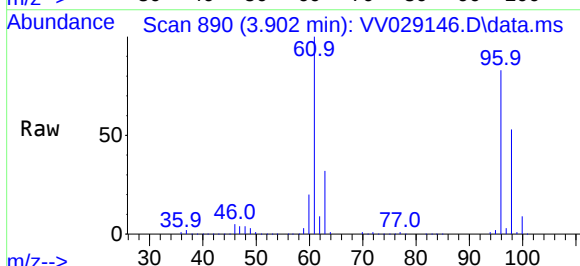
Tgt Ion: 96 Resp: 1586955

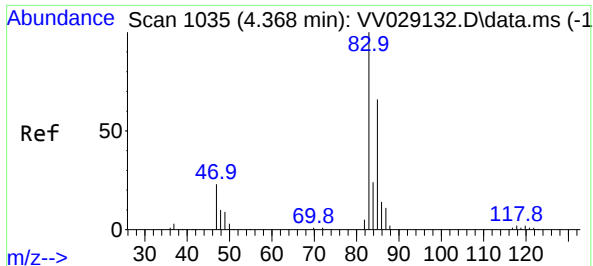
Ion Ratio Lower Upper

96 100

61 120.1 82.3 152.9

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.146 ug/L

RT: 4.378 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VV029146.D

Acq: 19 Nov 2022 03:15

Instrument :

MSVOA_V

ClientSampleId :

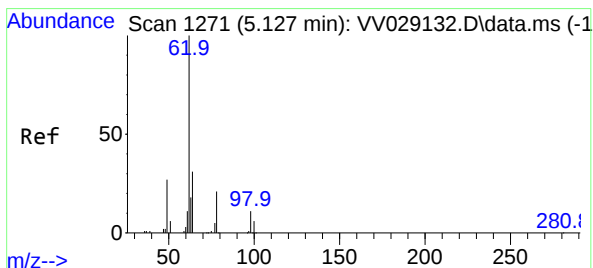
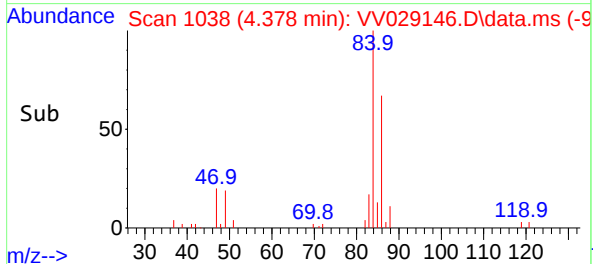
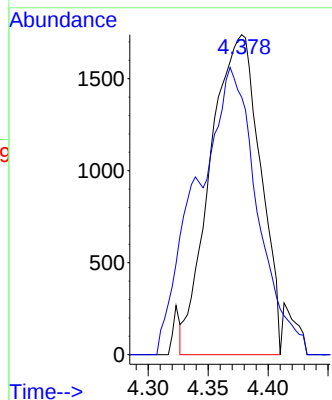
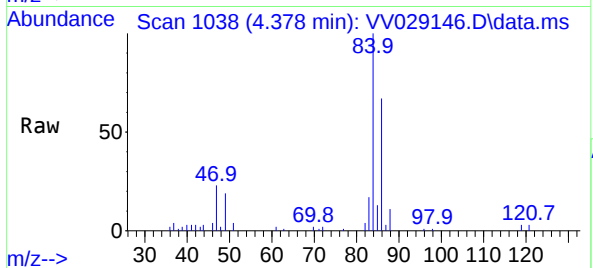
BGXP5

Tgt Ion: 83 Resp: 5035

Ion Ratio Lower Upper

83 100

85 80.5 43.7 81.1



#27

1,2-Dichloroethane

Concen: 1.375 ug/L

RT: 5.133 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VV029146.D

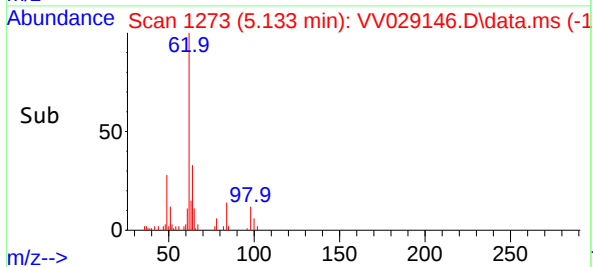
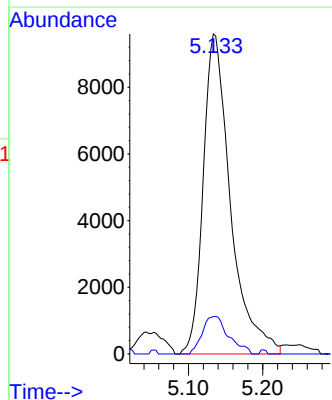
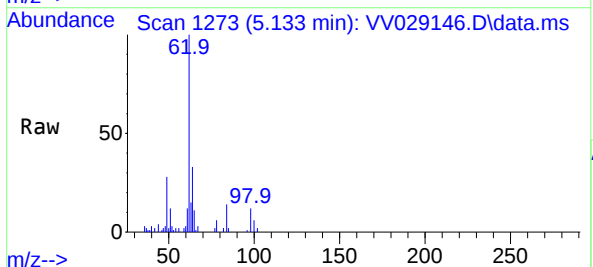
Acq: 19 Nov 2022 03:15

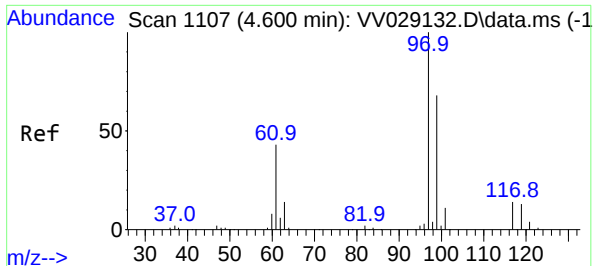
Tgt Ion: 62 Resp: 24509

Ion Ratio Lower Upper

62 100

98 11.7 9.0 13.6





#29

1,1,1-Trichloroethane

Concen: 4.750 ug/L

RT: 4.603 min Scan# 1107

Delta R.T. -0.003 min

Lab File: VV029146.D

Acq: 19 Nov 2022 03:15

Instrument :

MSVOA_V

ClientSampleId :

BGXP5

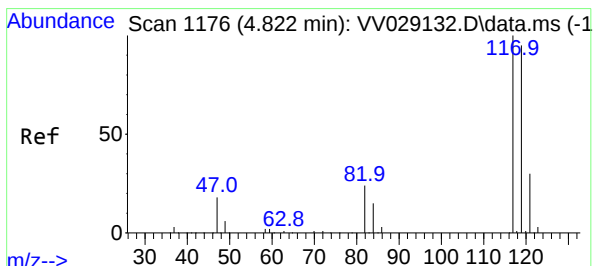
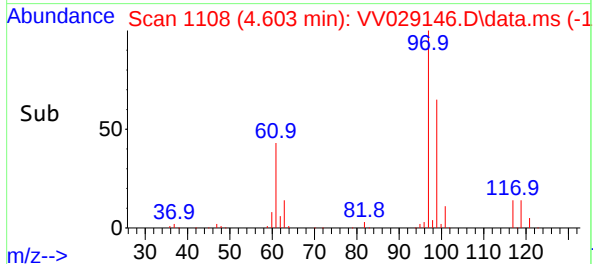
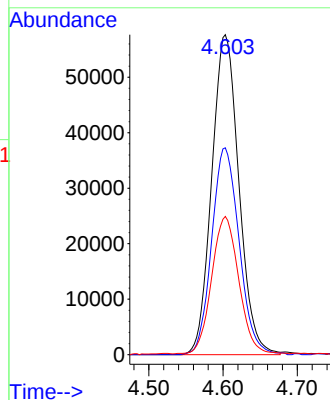
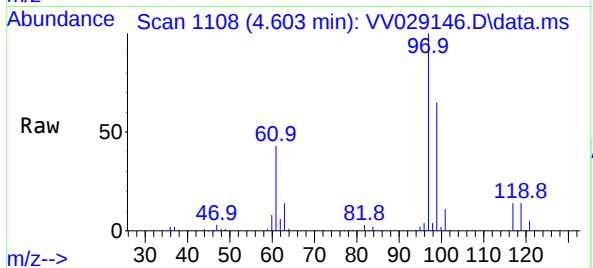
Tgt Ion: 97 Resp: 146632

Ion Ratio Lower Upper

97 100

99 65.2 52.7 79.1

61 42.7 33.8 50.6



#31

Carbon tetrachloride

Concen: 0.766 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. -0.222 min

Lab File: VV029146.D

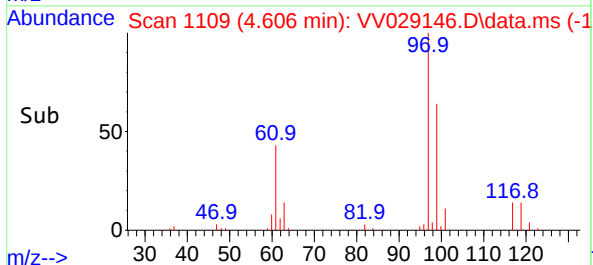
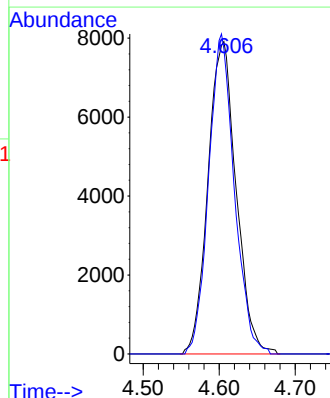
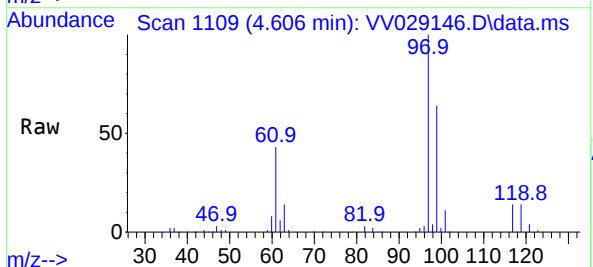
Acq: 19 Nov 2022 03:15

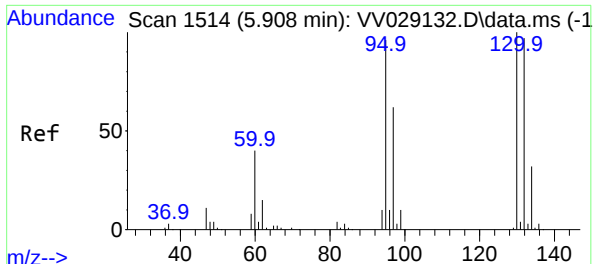
Tgt Ion: 117 Resp: 20375

Ion Ratio Lower Upper

117 100

119 93.1 77.0 115.6

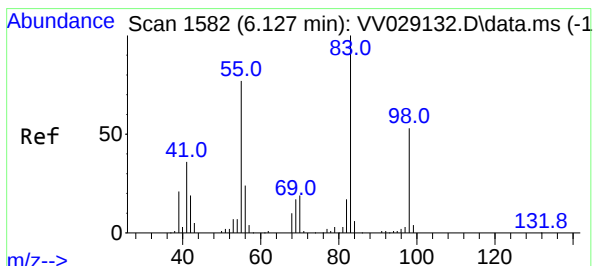
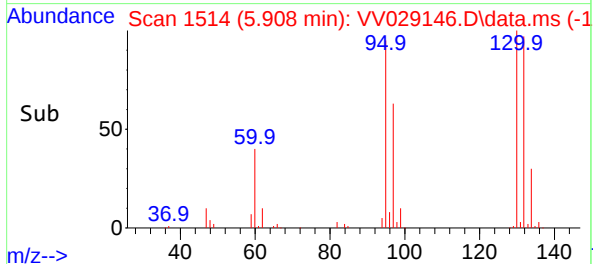
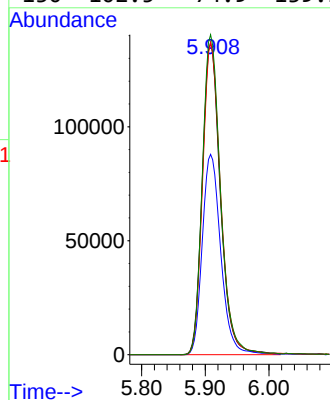
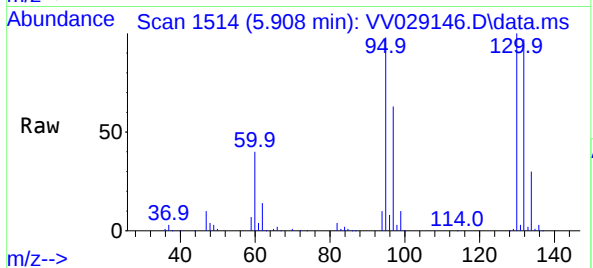




#34
Trichloroethene
Concen: 13.190 ug/L
RT: 5.908 min Scan# 11
Delta R.T. -0.006 min
Lab File: VV029146.D
Acq: 19 Nov 2022 03:15

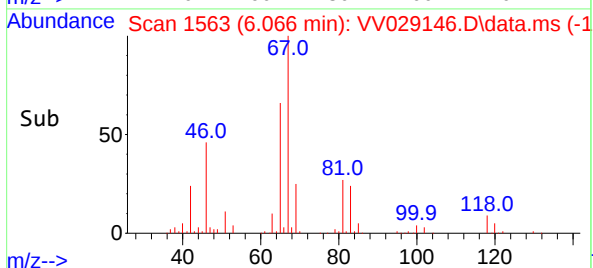
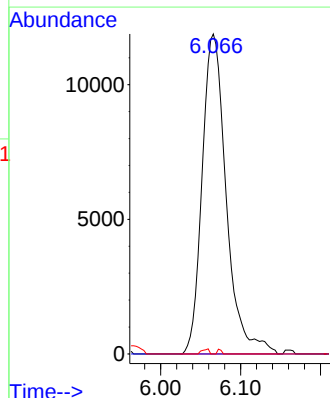
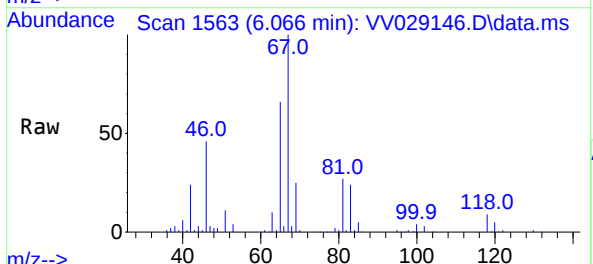
Instrument :
MSVOA_V
ClientSampleId :
BGXP5

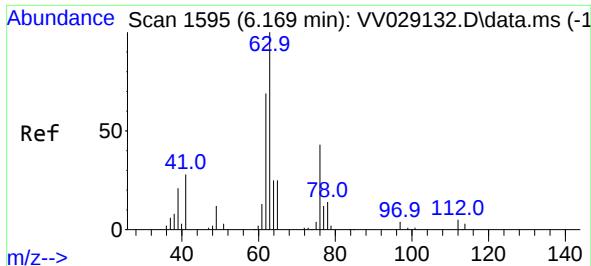
Tgt Ion: 95 Resp: 271474
Ion Ratio Lower Upper
95 100
97 64.2 45.6 84.8
132 99.9 69.1 128.3
130 102.5 74.9 139.1



#35
Methylcyclohexane
Concen: 0.691 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.064 min
Lab File: VV029146.D
Acq: 19 Nov 2022 03:15

Tgt Ion: 83 Resp: 24978
Ion Ratio Lower Upper
83 100
55 0.0 55.8 83.6#
98 5.4 38.2 57.2#

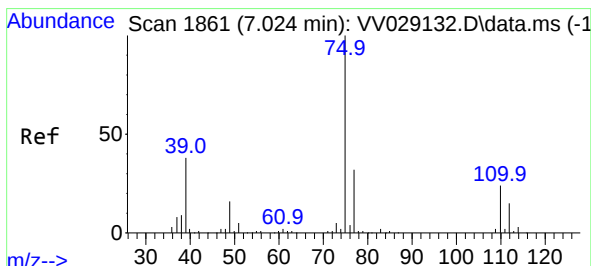
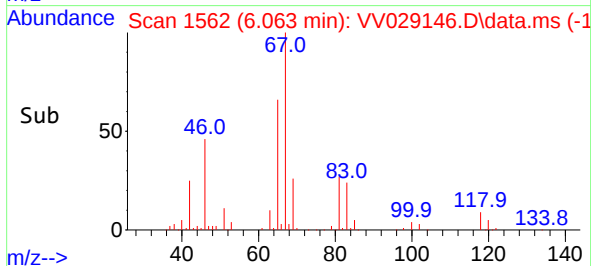
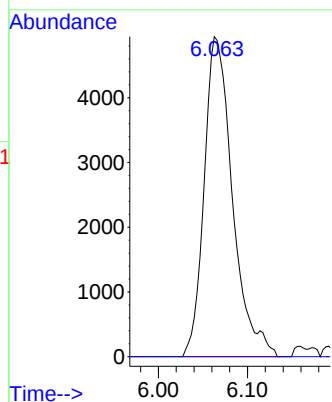
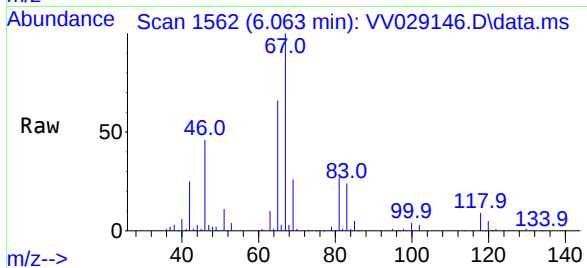




#37
1,2-Dichloropropane
Concen: 0.588 ug/L
RT: 6.063 min Scan# 11
Delta R.T. -0.109 min
Lab File: VV029146.D
Acq: 19 Nov 2022 03:15

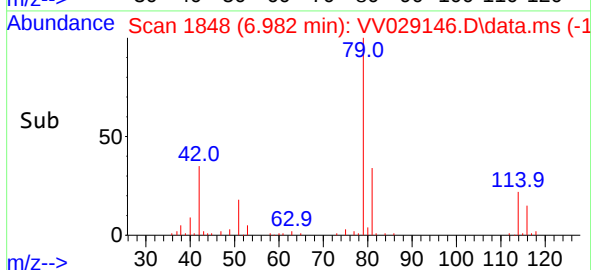
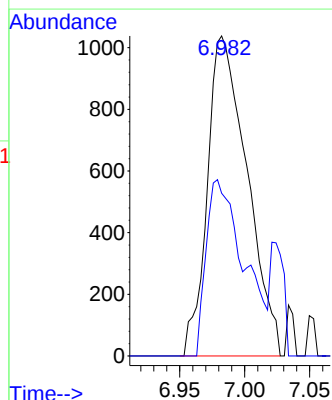
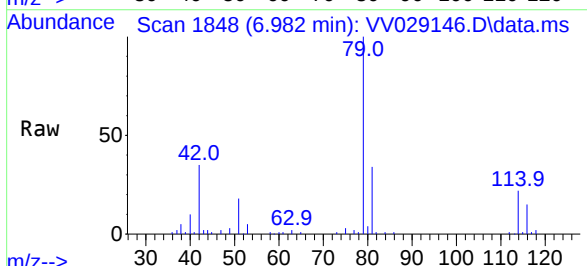
Instrument :
MSVOA_V
ClientSampleId :
BGXP5

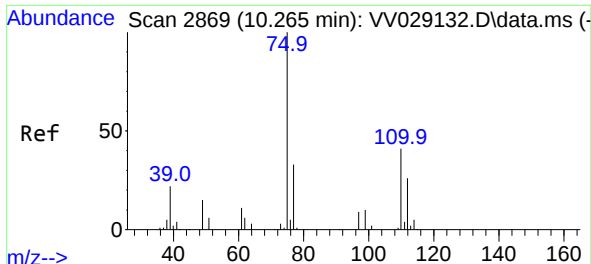
Tgt Ion: 63 Resp: 10893
Ion Ratio Lower Upper
63 100
112 0.0 4.0 6.0#



#39
cis-1,3-Dichloropropene
Concen: 0.085 ug/L
RT: 6.982 min Scan# 1848
Delta R.T. -0.045 min
Lab File: VV029146.D
Acq: 19 Nov 2022 03:15

Tgt Ion: 75 Resp: 2208
Ion Ratio Lower Upper
75 100
77 50.9 21.8 40.6#





#61

1,2,3-Trichloropropane

Concen: 1.669 ug/L

RT: 11.239 min Scan# 3172

Delta R.T. 0.971 min

Lab File: VV029146.D

Acq: 19 Nov 2022 03:15

Instrument :

MSVOA_V

ClientSampleId :

BGXP5

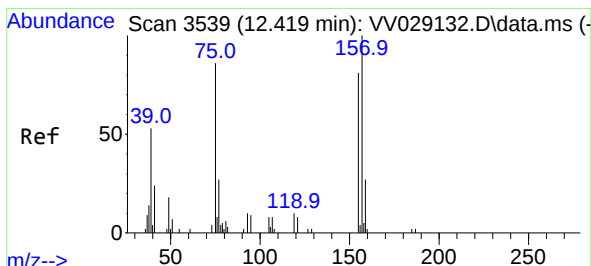
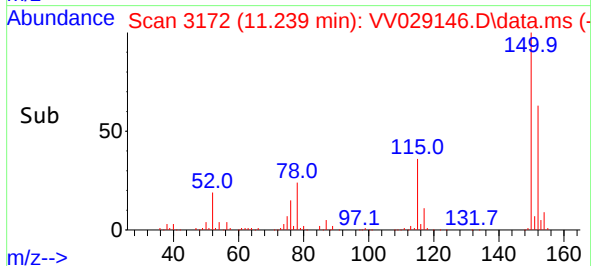
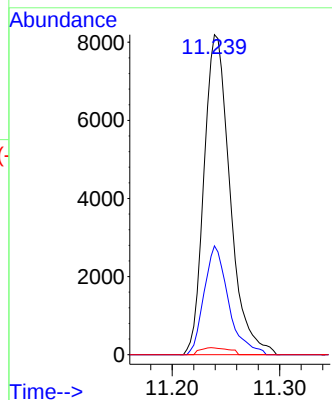
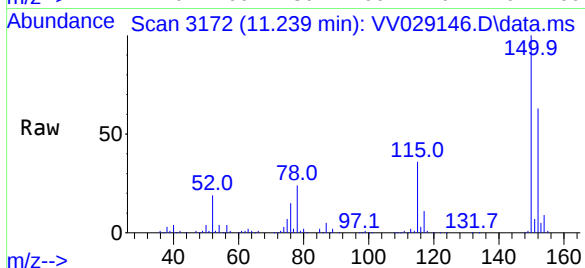
Tgt Ion: 75 Resp: 13754

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

110 2.4 32.6 48.8#



#68

1,2-Dibromo-3-chloropropane

Concen: 0.136 ug/L

RT: 12.243 min Scan# 3484

Delta R.T. -0.177 min

Lab File: VV029146.D

Acq: 19 Nov 2022 03:15

Tgt Ion: 75 Resp: 221

Ion Ratio Lower Upper

75 100

155 0.0 64.8 97.2#

157 0.0 86.3 129.5#

