

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111122\
 Data File : VW028913.D
 Acq On : 12 Nov 2022 07:04
 Operator : SY/MD
 Sample : N5590-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GBMY3

Quant Time: Nov 14 00:25:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 12 03:43:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	325036	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	291267	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	137726	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	90187	4.551	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.000%
7) Chloroethane-d5	1.565	69	85689	4.919	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.400%
11) 1,1-Dichloroethene-d2	2.105	63	138890	3.846	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.000%
20) 2-Butanone-d5	3.886	46	141503	42.659	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.320%
24) Chloroform-d	4.343	84	192940	4.742	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	5.031	65	88418	4.830	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.600%
32) Benzene-d6	5.047	84	421550	4.849	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
36) 1,2-Dichloropropane-d6	6.066	67	120591	4.967	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.400%
41) Toluene-d8	7.310	98	363727	4.648	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
43) trans-1,3-Dichloroprop...	7.622	79	33559	4.238	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.800%
46) 2-Hexanone-d5	8.085	63	162246	48.006	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.020%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	81196	4.824	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	11.616	152	124336	5.046	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.307	62	14523	0.566	ug/L	83
8) Chloroethane	1.307	64	5137	0.341	ug/L	93
9) Trichlorofluoromethane	1.989	101	8268	0.239	ug/L	98
12) 1,1-Dichloroethene	2.118	96	29875	1.518	ug/L #	44
13) Acetone	2.185	43	145593	68.233	ug/L	87
15) Methyl Acetate	2.185	43	144602	27.924	ug/L #	44
16) Methylene chloride	2.503	84	32025	1.259	ug/L	99
18) trans-1,2-Dichloroethene	2.757	96	142287	6.235	ug/L	98
19) 1,1-Dichloroethane	3.188	63	5227	0.140	ug/L	92
22) cis-1,2-Dichloroethene	3.902	96	12412541	535.008	ug/L	97
25) Chloroform	4.365	83	3486	0.089	ug/L #	71
29) 1,1,1-Trichloroethane	4.606	97	20347	0.595	ug/L #	65
31) Carbon tetrachloride	4.603	117	2490	0.085	ug/L	93
33) Benzene	5.098	78	30013	0.337	ug/L	100
34) Trichloroethene	5.912	95	13153562	577.254	ug/L	97
35) Methylcyclohexane	6.066	83	29129	0.727	ug/L #	21
37) 1,2-Dichloropropane	6.066	63	12775	0.622	ug/L #	85
39) cis-1,3-Dichloropropene	6.982	75	2458	0.086	ug/L #	73
45) 1,1,2-Trichloroethane	7.838	97	9602	0.715	ug/L	93

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Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

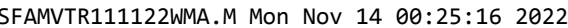
Instrument :
MSVOA_V
ClientSampleId :
GBMY3

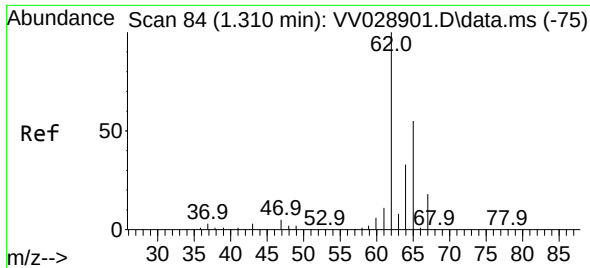
Quant Time: Nov 14 00:25:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Nov 12 03:43:58 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	7.973	164	56943	3.121	ug/L	94
49) Dibromochloromethane	7.969	129	51669	3.181	ug/L #	10
61) 1,2,3-Trichloropropane	11.239	75	15792	1.678	ug/L #	65

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

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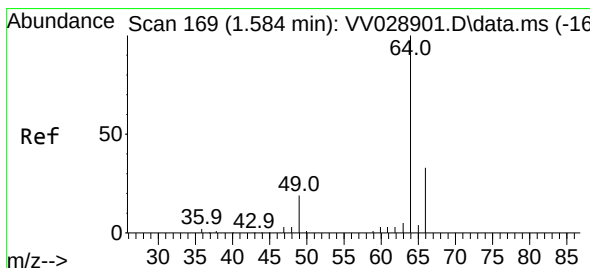
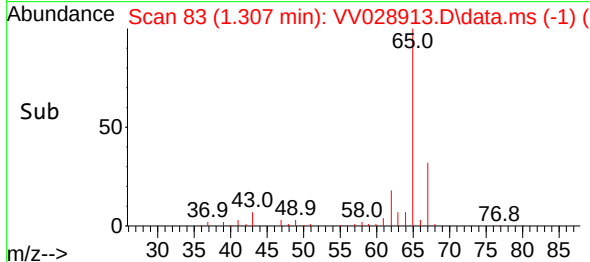
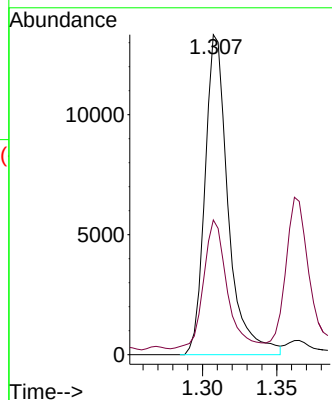
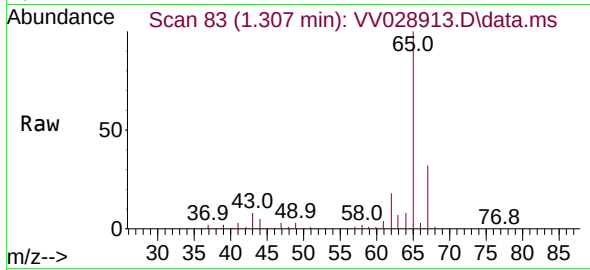




#5
 Vinyl chloride
 Concen: 0.566 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VV028913.D
 Acq: 12 Nov 2022 07:04

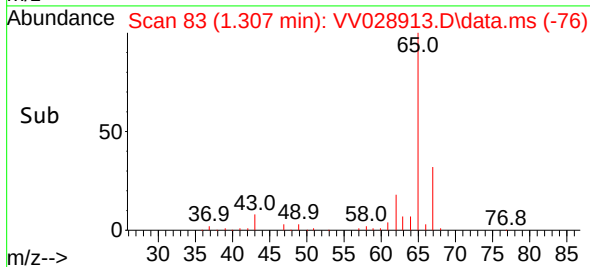
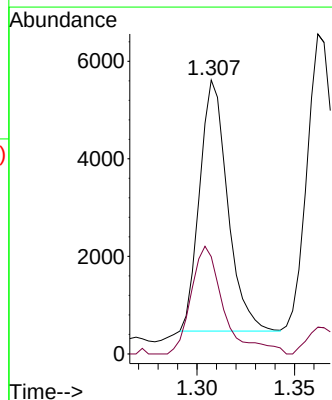
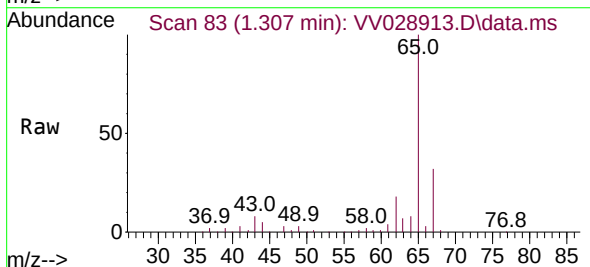
Instrument :
 MSVOA_V
 ClientSampleId :
 GBMY3

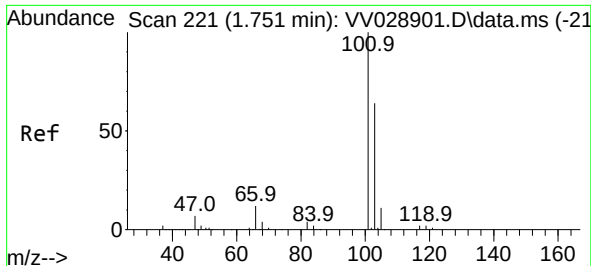
Tgt Ion: 62 Resp: 14523
 Ion Ratio Lower Upper
 62 100
 64 42.1 22.8 42.4



#8
 Chloroethane
 Concen: 0.341 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.276 min
 Lab File: VV028913.D
 Acq: 12 Nov 2022 07:04

Tgt Ion: 64 Resp: 5137
 Ion Ratio Lower Upper
 64 100
 66 35.5 22.0 40.8

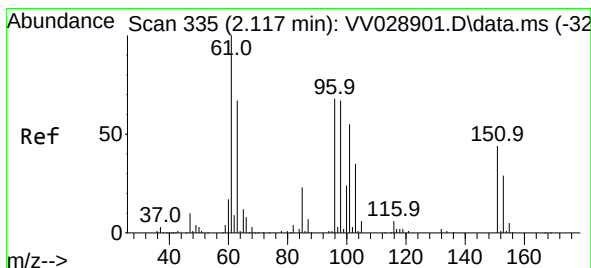
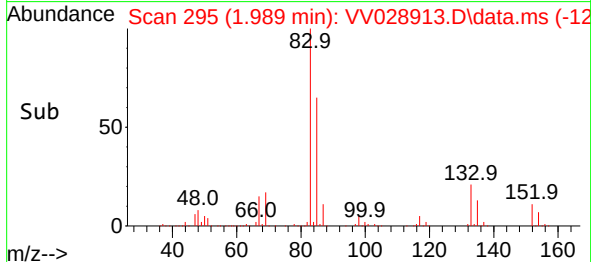
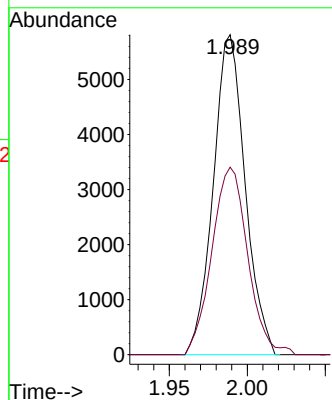
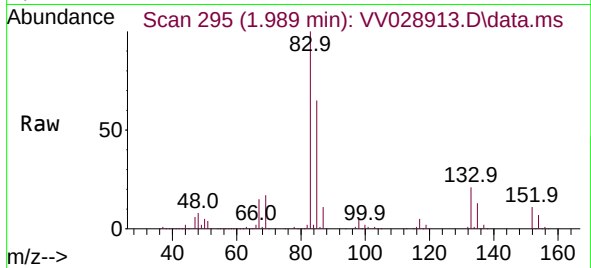




#9
 Trichlorofluoromethane
 Concen: 0.239 ug/L
 RT: 1.989 min Scan# 295
 Delta R.T. 0.238 min
 Lab File: VV028913.D
 Acq: 12 Nov 2022 07:04

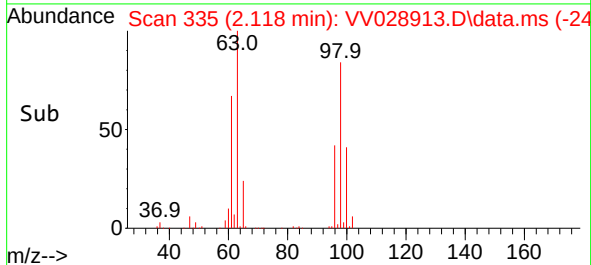
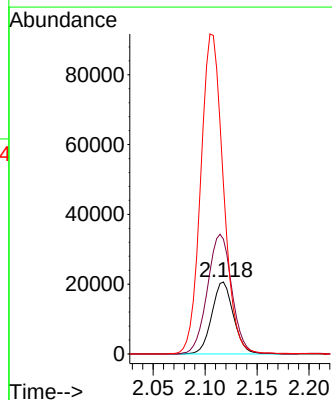
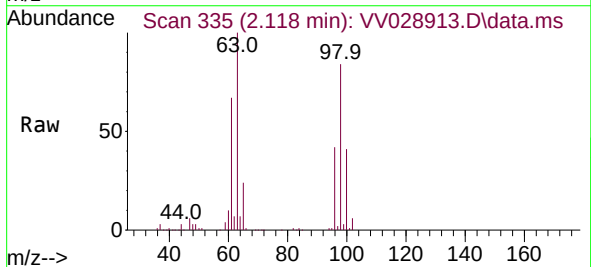
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 ClientSampleId :
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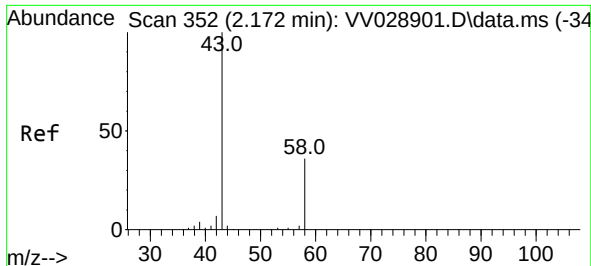
Tgt Ion:101 Resp: 8268
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.3 76.9



#12
 1,1-Dichloroethene
 Concen: 1.518 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV028913.D
 Acq: 12 Nov 2022 07:04

Tgt Ion: 96 Resp: 29875
 Ion Ratio Lower Upper
 96 100
 61 159.5 104.2 193.4
 63 236.5 75.9 140.9#

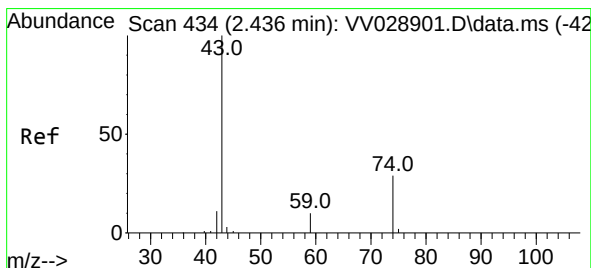
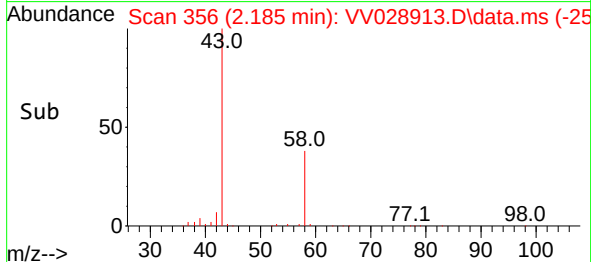
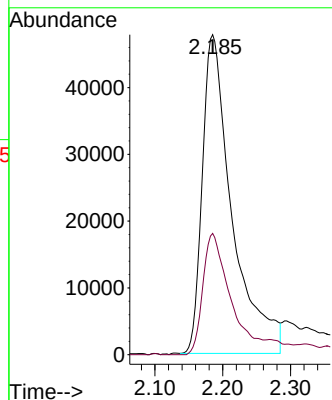
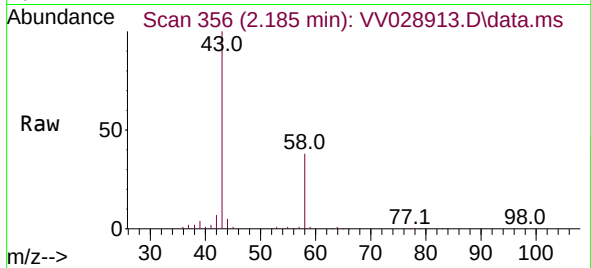




#13
Acetone
Concen: 68.233 ug/L
RT: 2.185 min Scan# 356
Delta R.T. 0.013 min
Lab File: VV028913.D
Acq: 12 Nov 2022 07:04

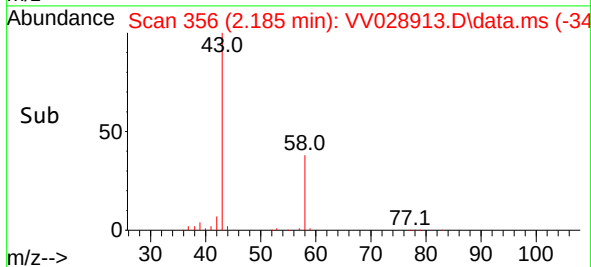
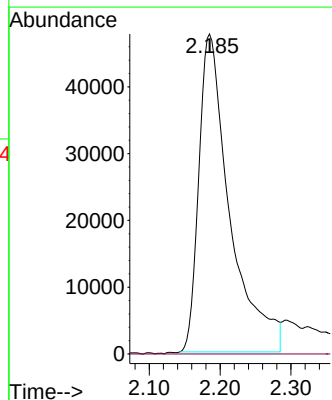
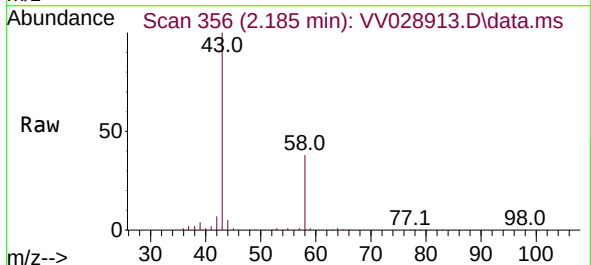
Instrument :
MSVOA_V
ClientSampleId :
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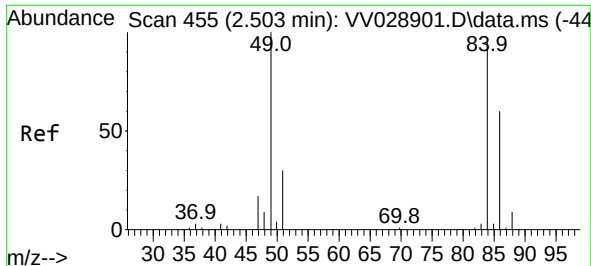
Tgt Ion: 43 Resp: 145593
Ion Ratio Lower Upper
43 100
58 35.3 0.0 56.6



#15
Methyl Acetate
Concen: 27.924 ug/L
RT: 2.185 min Scan# 356
Delta R.T. -0.251 min
Lab File: VV028913.D
Acq: 12 Nov 2022 07:04

Tgt Ion: 43 Resp: 144602
Ion Ratio Lower Upper
43 100
74 0.0 24.6 37.0#

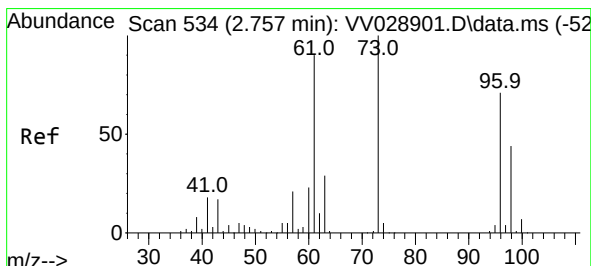
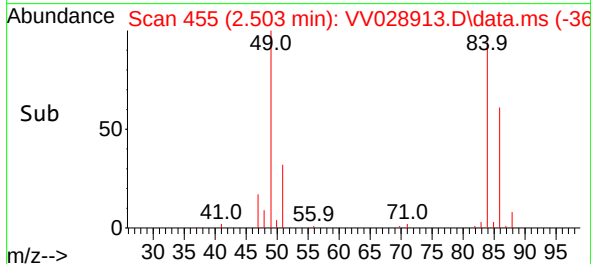
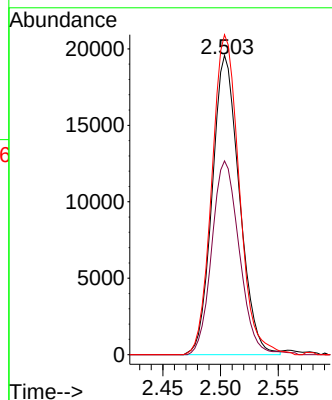
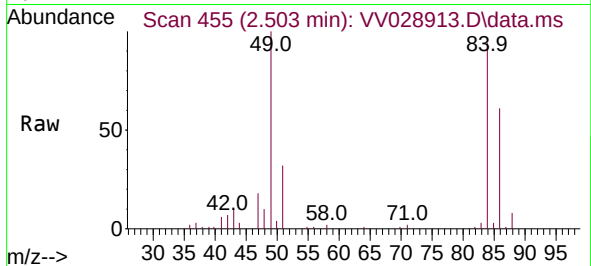




#16
Methylene chloride
Concen: 1.259 ug/L
RT: 2.503 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV028913.D
Acq: 12 Nov 2022 07:04

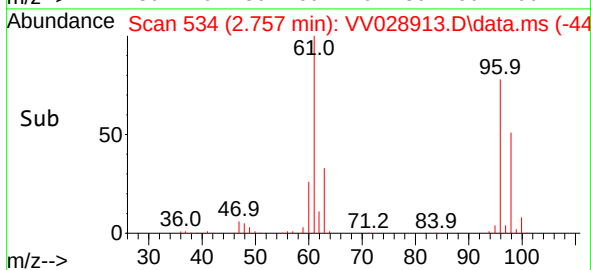
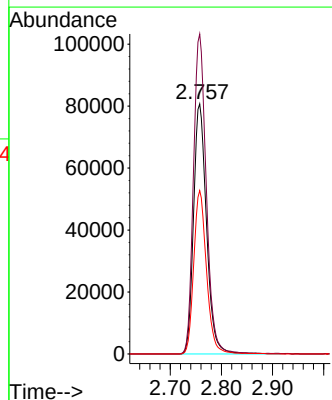
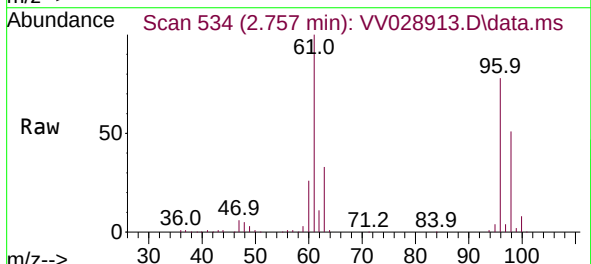
Instrument :
MSVOA_V
ClientSampleId :
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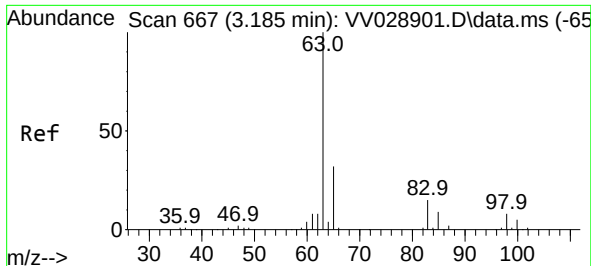
Tgt Ion: 84 Resp: 32025
Ion Ratio Lower Upper
84 100
86 64.7 45.8 85.0
49 106.9 75.5 140.1



#18
trans-1,2-Dichloroethene
Concen: 6.235 ug/L
RT: 2.757 min Scan# 534
Delta R.T. 0.000 min
Lab File: VV028913.D
Acq: 12 Nov 2022 07:04

Tgt Ion: 96 Resp: 142287
Ion Ratio Lower Upper
96 100
61 128.0 91.8 170.6
98 65.3 46.4 86.2





#19

1,1-Dichloroethane

Concen: 0.140 ug/L

RT: 3.188 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV028913.D

Acq: 12 Nov 2022 07:04

Instrument :

MSVOA_V

ClientSampleId :

GBMY3

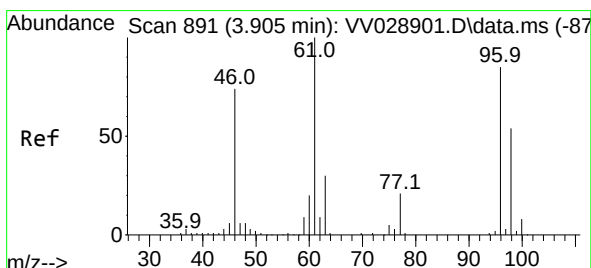
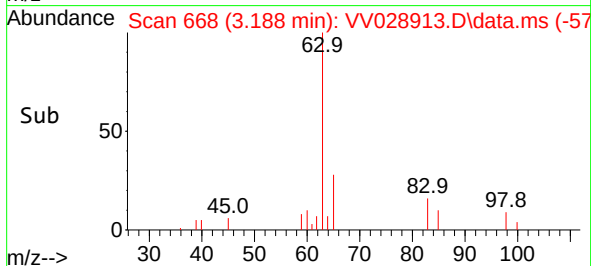
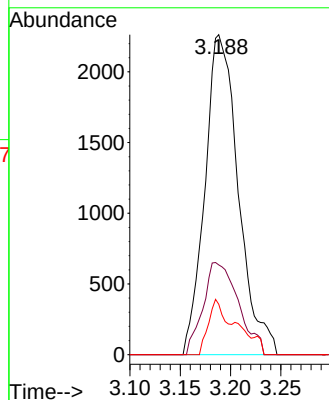
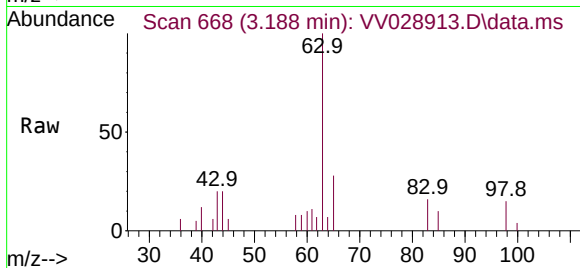
Tgt Ion: 63 Resp: 5227

Ion Ratio Lower Upper

63 100

65 28.1 23.0 42.6

83 15.7 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 535.008 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.003 min

Lab File: VV028913.D

Acq: 12 Nov 2022 07:04

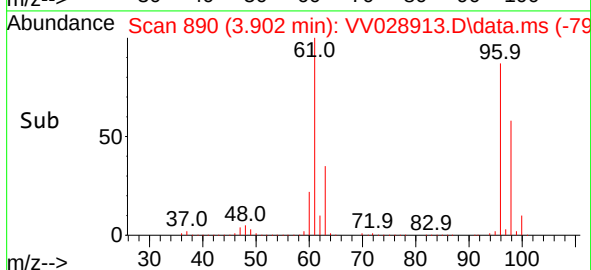
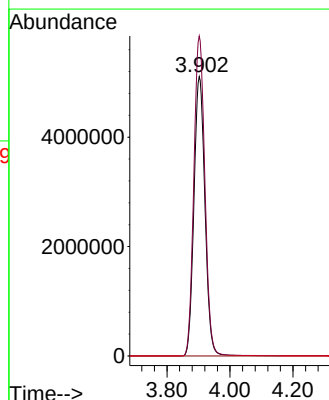
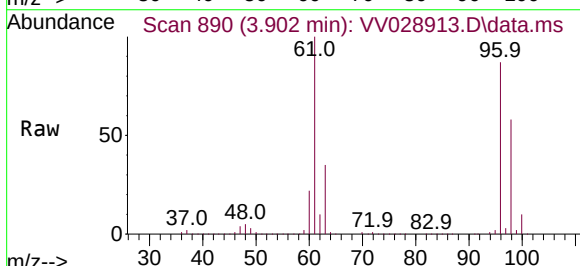
Tgt Ion: 96 Resp:12412541

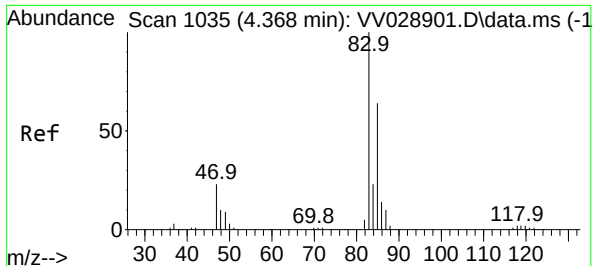
Ion Ratio Lower Upper

96 100

61 114.5 82.3 152.9

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.089 ug/L

RT: 4.365 min Scan# 1109

Delta R.T. -0.003 min

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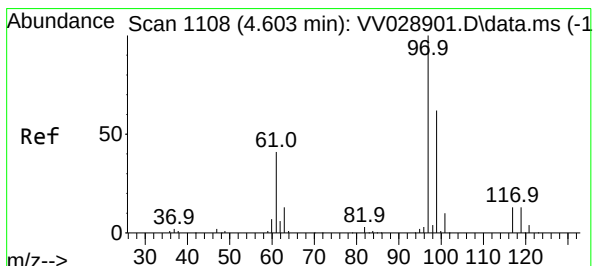
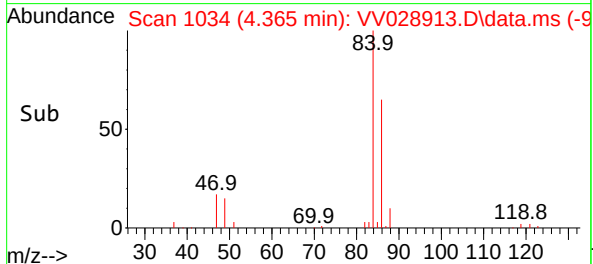
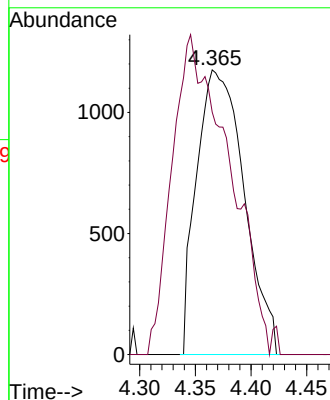
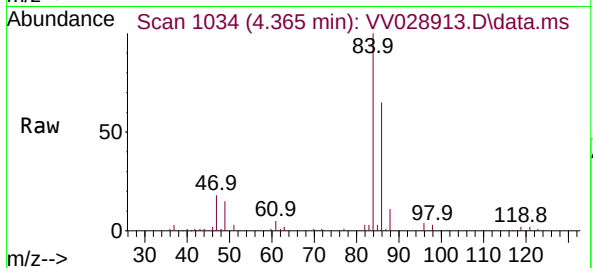
GBMY3

Tgt Ion: 83 Resp: 3486

Ion Ratio Lower Upper

83 100

85 85.1 43.7 81.1#



#29

1,1,1-Trichloroethane

Concen: 0.595 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.003 min

Lab File: VV028913.D

Acq: 12 Nov 2022 07:04

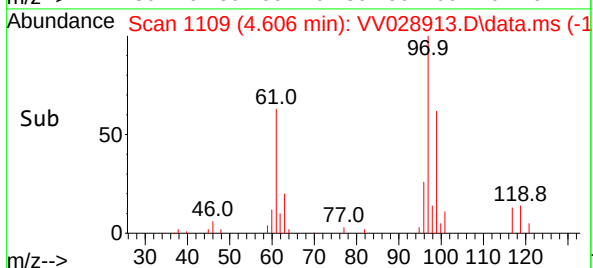
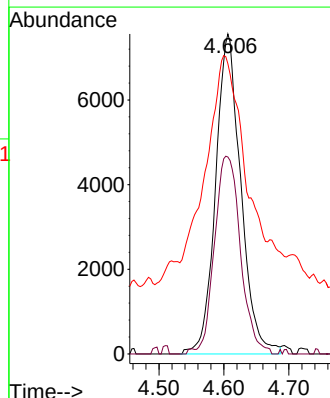
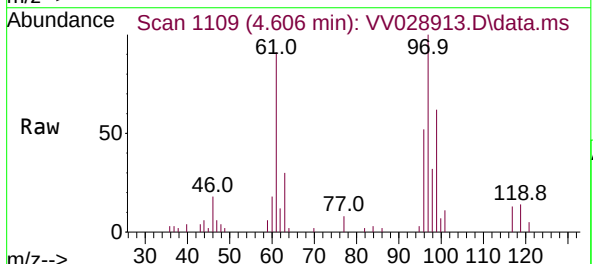
Tgt Ion: 97 Resp: 20347

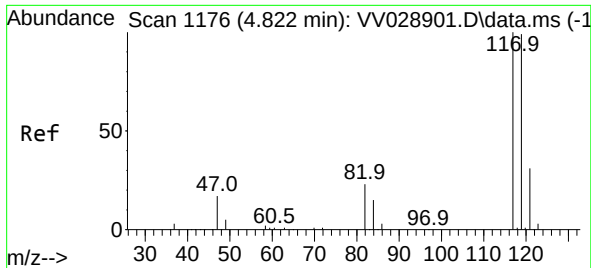
Ion Ratio Lower Upper

97 100

99 63.5 52.7 79.1

61 95.7 33.8 50.6#

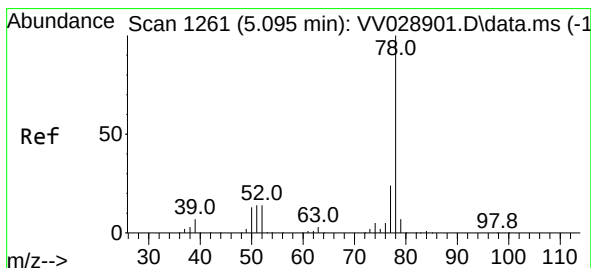
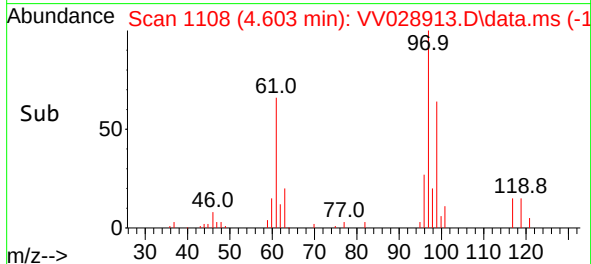
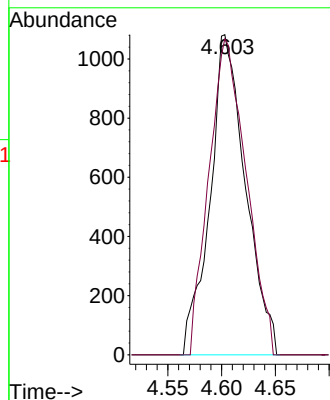
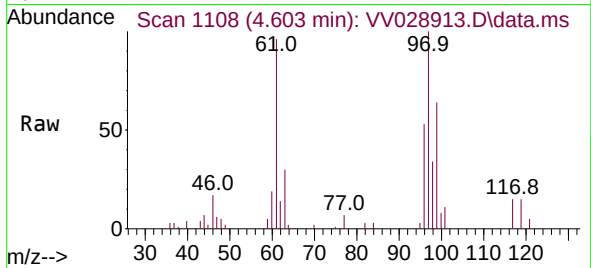




#31
Carbon tetrachloride
Concen: 0.085 ug/L
RT: 4.603 min Scan# 1176
Delta R.T. -0.219 min
Lab File: VV028913.D
Acq: 12 Nov 2022 07:04

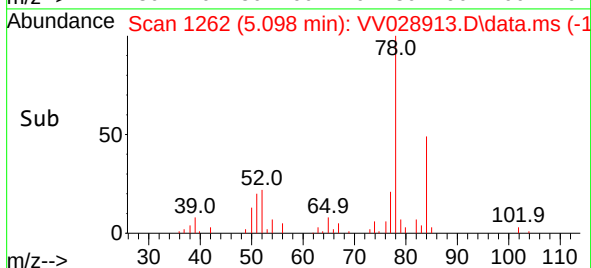
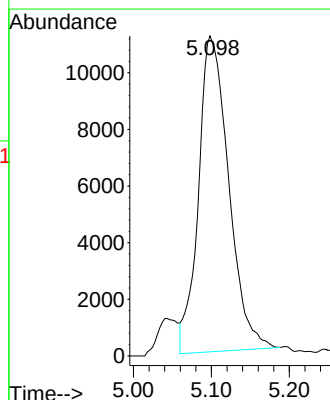
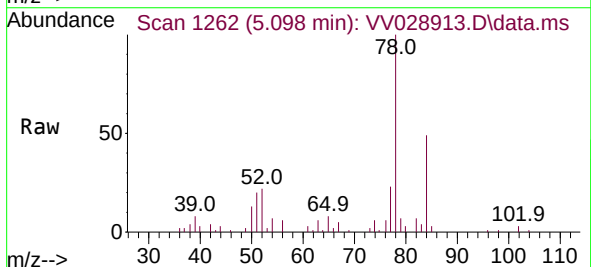
Instrument :
MSVOA_V
ClientSampleId :
GBMY3

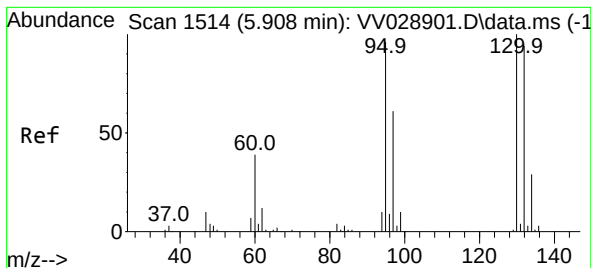
Tgt Ion:117 Resp: 2490
Ion Ratio Lower Upper
117 100
119 103.6 77.0 115.6



#33
Benzene
Concen: 0.337 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.003 min
Lab File: VV028913.D
Acq: 12 Nov 2022 07:04

Tgt Ion: 78 Resp: 30013





#34

Trichloroethene

Concen: 577.254 ug/L

RT: 5.912 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV028913.D

Acq: 12 Nov 2022 07:04

Instrument :

MSVOA_V

ClientSampleId :

GBMY3

Tgt Ion: 95 Resp:13153562

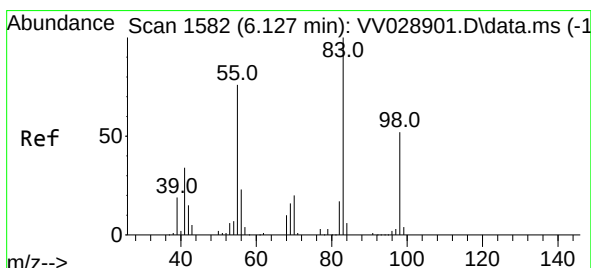
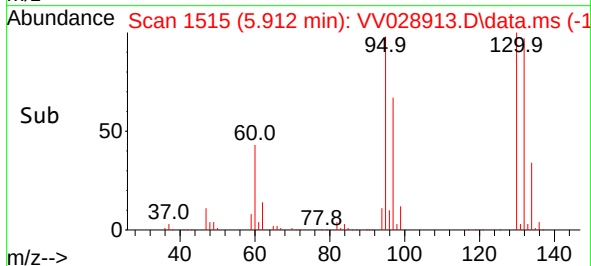
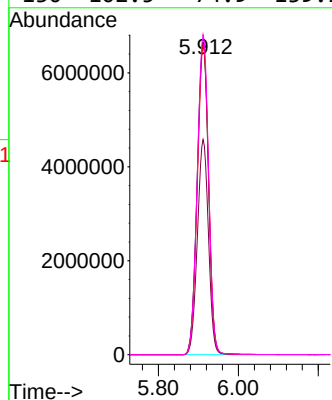
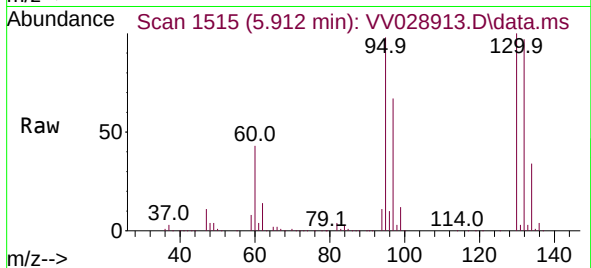
Ion Ratio Lower Upper

95 100

97 68.9 45.6 84.8

132 99.3 69.1 128.3

130 102.5 74.9 139.1



#35

Methylcyclohexane

Concen: 0.727 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.061 min

Lab File: VV028913.D

Acq: 12 Nov 2022 07:04

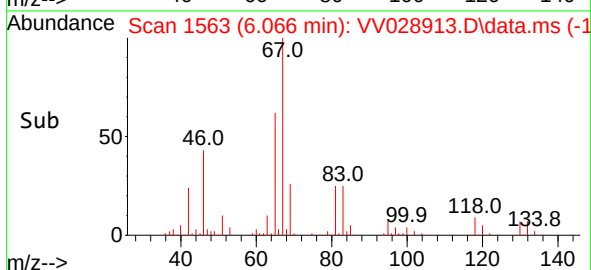
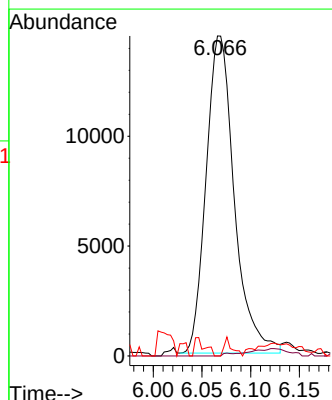
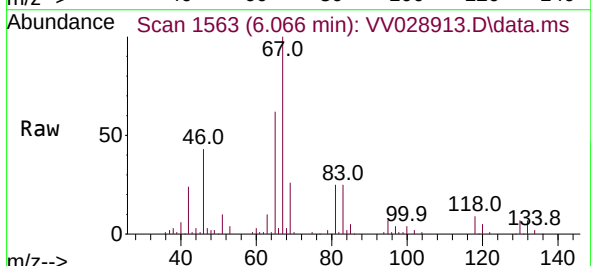
Tgt Ion: 83 Resp: 29129

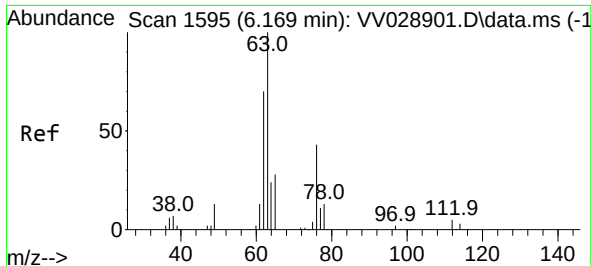
Ion Ratio Lower Upper

83 100

55 0.3 55.8 83.6#

98 0.0 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.622 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV028913.D

Acq: 12 Nov 2022 07:04

Instrument :

MSVOA_V

ClientSampleId :

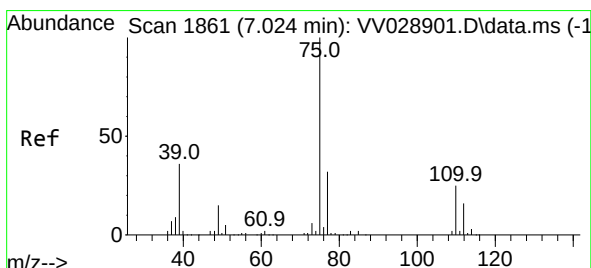
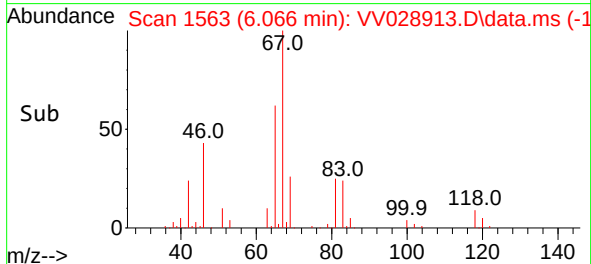
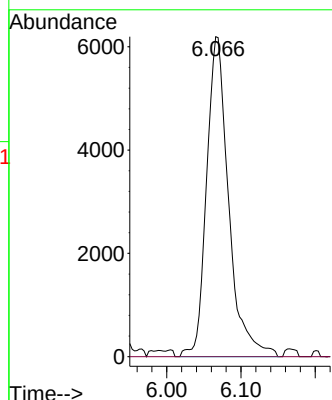
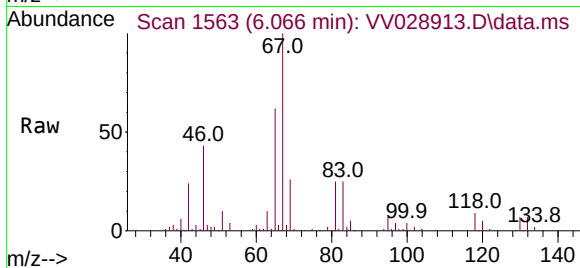
GBMY3

Tgt Ion: 63 Resp: 12775

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 6.982 min Scan# 1848

Delta R.T. -0.042 min

Lab File: VV028913.D

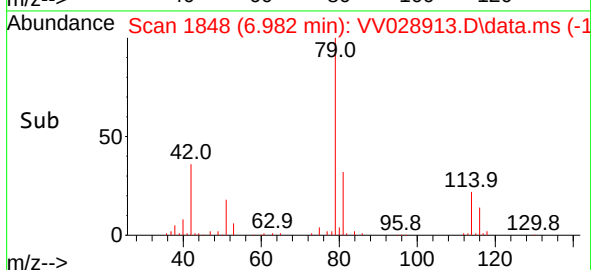
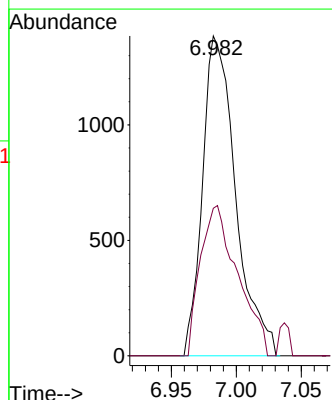
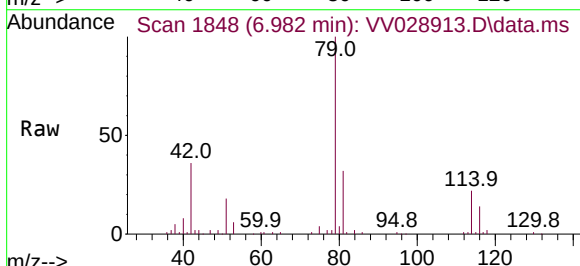
Acq: 12 Nov 2022 07:04

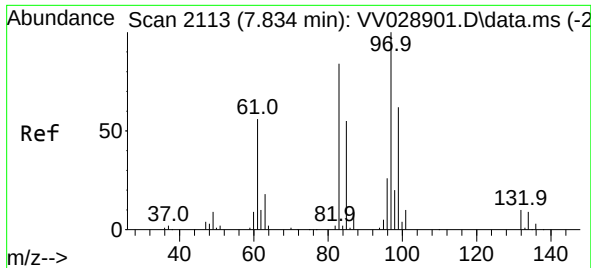
Tgt Ion: 75 Resp: 2458

Ion Ratio Lower Upper

75 100

77 46.1 21.8 40.6#

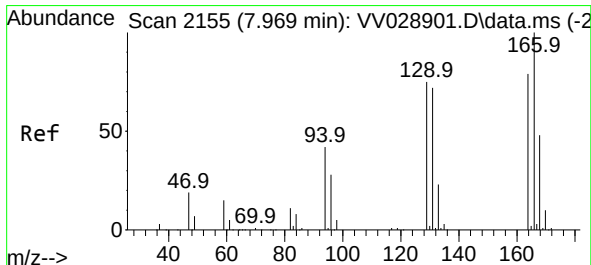
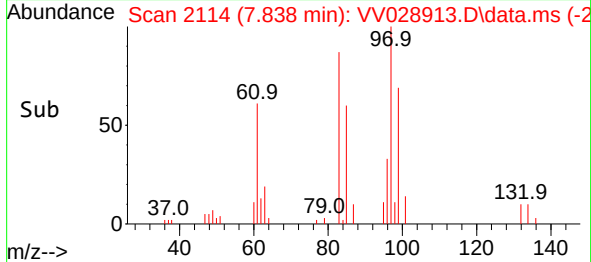
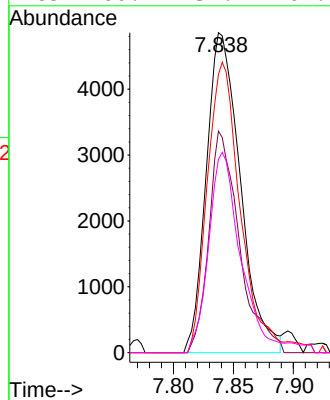
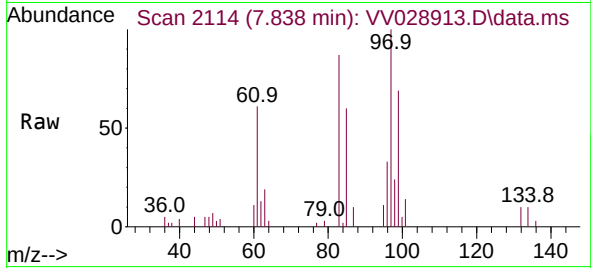




#45
1,1,2-Trichloroethane
Concen: 0.715 ug/L
RT: 7.838 min Scan# 2113
Delta R.T. 0.003 min
Lab File: VV028913.D
Acq: 12 Nov 2022 07:04

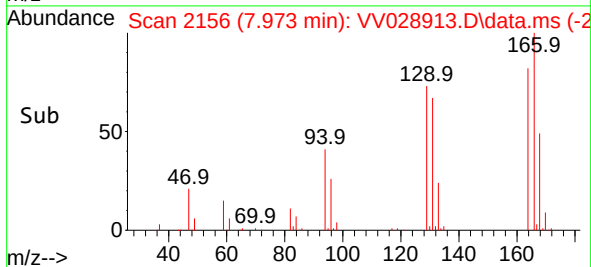
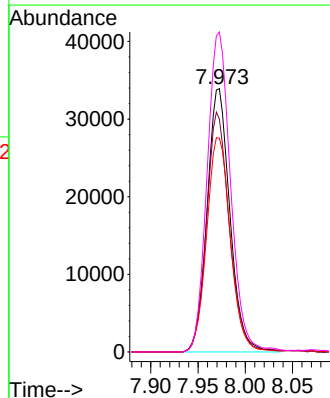
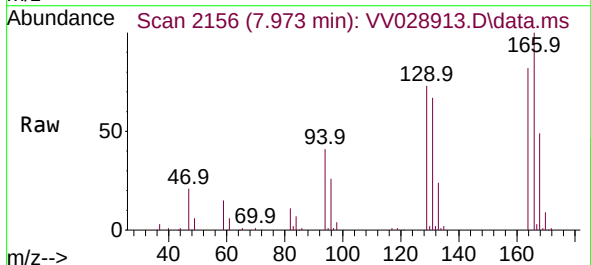
Instrument :
MSVOA_V
ClientSampleId :
GBMY3

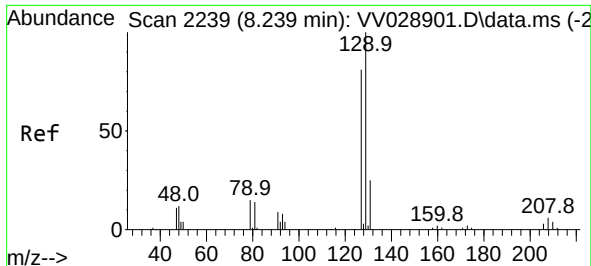
Tgt Ion:	97	Resp:	9602
Ion	Ratio	Lower	Upper
97	100		
99	69.2	41.5	77.1
83	86.9	60.0	111.4
85	60.4	37.4	69.4



#47
Tetrachloroethene
Concen: 3.121 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. 0.003 min
Lab File: VV028913.D
Acq: 12 Nov 2022 07:04

Tgt Ion:	164	Resp:	56943
Ion	Ratio	Lower	Upper
164	100		
129	88.4	63.9	118.7
131	81.2	61.8	114.8
166	121.5	90.2	167.4





#49

Dibromochloromethane

Concen: 3.181 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.270 min

Lab File: VV028913.D

Acq: 12 Nov 2022 07:04

Instrument :

MSVOA_V

ClientSampleId :

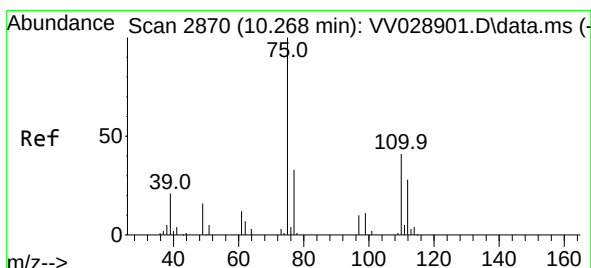
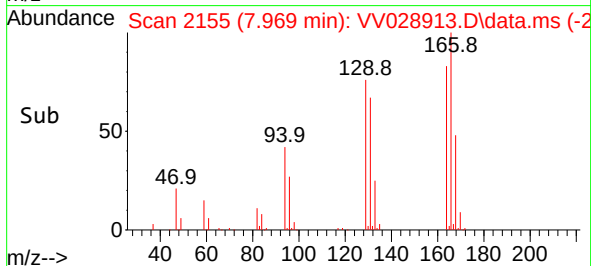
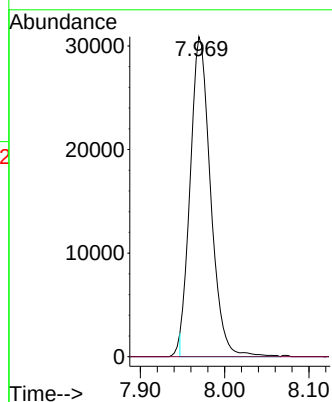
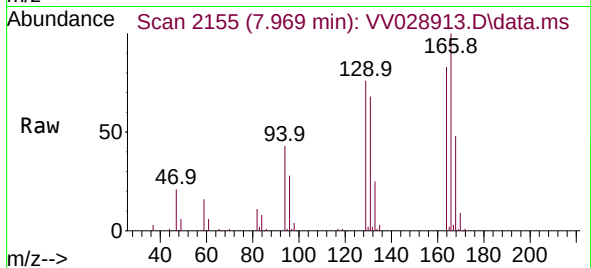
GBMY3

Tgt Ion:129 Resp: 51669

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#61

1,2,3-Trichloropropane

Concen: 1.678 ug/L

RT: 11.239 min Scan# 3172

Delta R.T. 0.971 min

Lab File: VV028913.D

Acq: 12 Nov 2022 07:04

Tgt Ion: 75 Resp: 15792

Ion Ratio Lower Upper

75 100

77 30.7 26.2 39.2

110 2.6 32.6 48.8#

