

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111522\
 Data File : VW029001.D
 Acq On : 15 Nov 2022 20:12
 Operator : SY/MD
 Sample : N5593-10
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0AD9

Quant Time: Nov 16 03:22:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 16 03:16:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	278319	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	255947	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	117731	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	50947	3.003	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.000%
7) Chloroethane-d5	1.568	69	56425	3.783	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.600%
11) 1,1-Dichloroethene-d2	2.108	63	99119	3.206	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.200%
20) 2-Butanone-d5	3.892	46	191301	67.352	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	134.700%#
24) Chloroform-d	4.346	84	162043	4.652	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
26) 1,2-Dichloroethane-d4	5.030	65	75614	4.824	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
32) Benzene-d6	5.047	84	313234	4.100	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.000%
36) 1,2-Dichloropropane-d6	6.066	67	98244	4.605	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.200%
41) Toluene-d8	7.310	98	269525	3.919	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.400%
43) trans-1,3-Dichloroprop...	7.622	79	28462	4.091	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.800%
46) 2-Hexanone-d5	8.088	63	156296	52.627	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.260%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	75427	5.100	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.000%
66) 1,2-Dichlorobenzene-d4	11.615	152	104850	4.978	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	2165	0.099	ug/L #	1
6) Bromomethane	1.523	94	540	0.041	ug/L	80
8) Chloroethane	1.410	64	268103	20.773	ug/L #	52
12) 1,1-Dichloroethene	2.117	96	43462	2.580	ug/L #	86
17) Methyl tert-butyl Ether	2.770	73	1400	0.039	ug/L #	75
19) 1,1-Dichloroethane	3.191	63	6857	0.215	ug/L	98
22) cis-1,2-Dichloroethene	3.912	96	26431	1.330	ug/L	90
25) Chloroform	4.371	83	11100	0.331	ug/L	93
27) 1,2-Dichloroethane	5.047	62	1593	0.092	ug/L #	70
29) 1,1,1-Trichloroethane	4.609	97	1415	0.047	ug/L #	71
34) Trichloroethene	5.908	95	217206	10.848	ug/L	97
35) Methylcyclohexane	6.066	83	25293	0.719	ug/L #	21
37) 1,2-Dichloropropane	6.066	63	10172	0.564	ug/L #	85
45) 1,1,2-Trichloroethane	7.966	97	4485	0.380	ug/L #	1
47) Tetrachloroethene	7.969	164	551569	34.402	ug/L	98
49) Dibromochloromethane	7.969	129	485869	34.037	ug/L #	10
51) Chlorobenzene	8.879	112	12633	0.242	ug/L	96
61) 1,2,3-Trichloropropane	11.242	75	19010	2.363	ug/L #	54
64) 1,3-Dichlorobenzene	11.268	146	26465	0.737	ug/L	97

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 16 03:16:14 2022
Response via : Initial Calibration

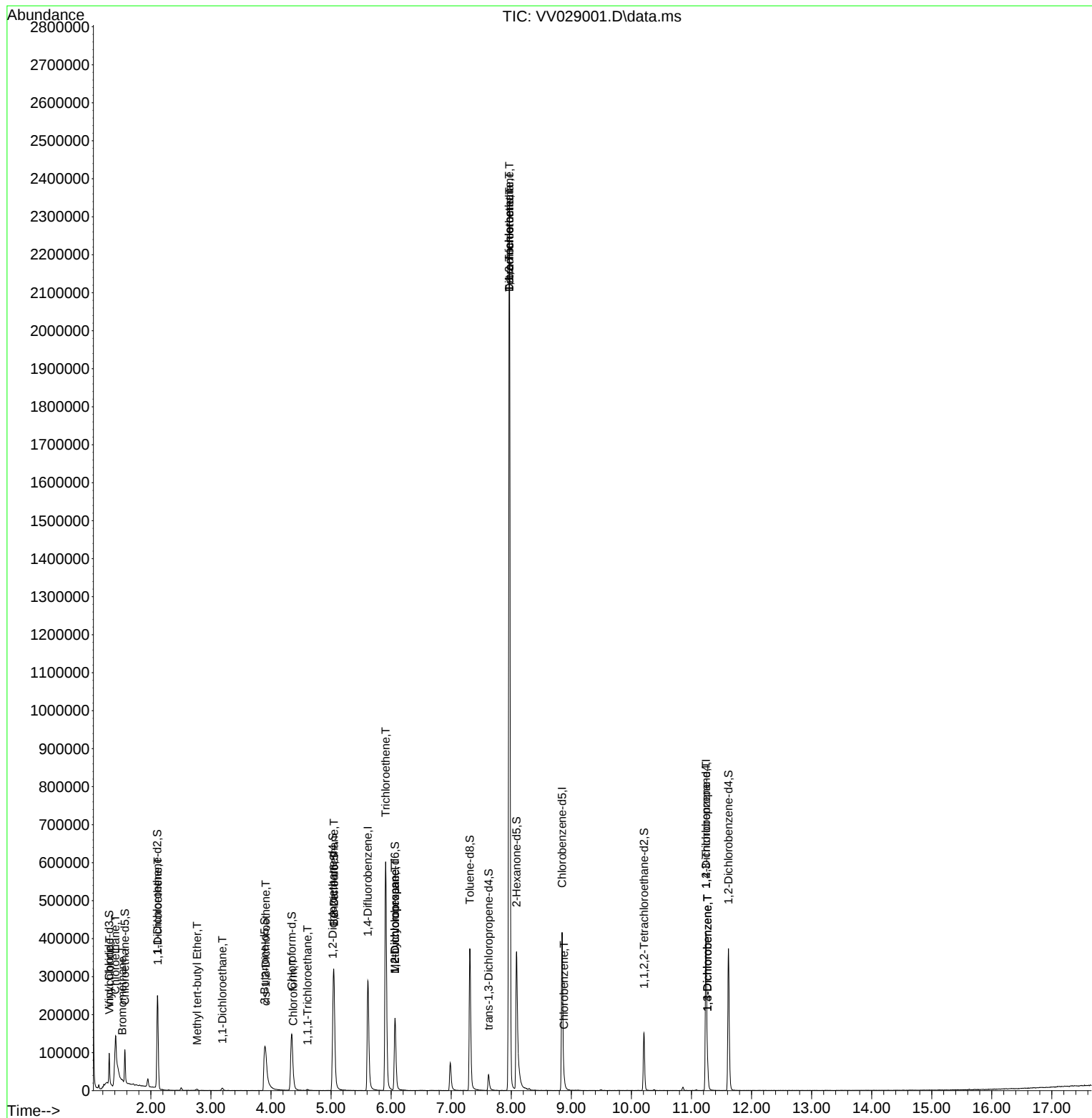
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.268	146	26465	0.733 ug/L	97

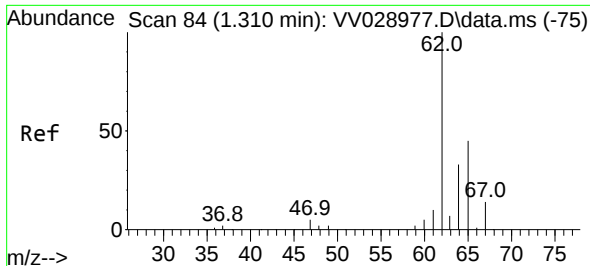
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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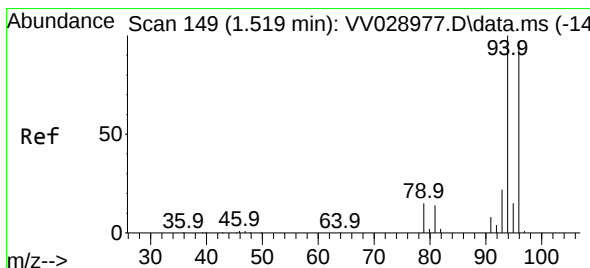
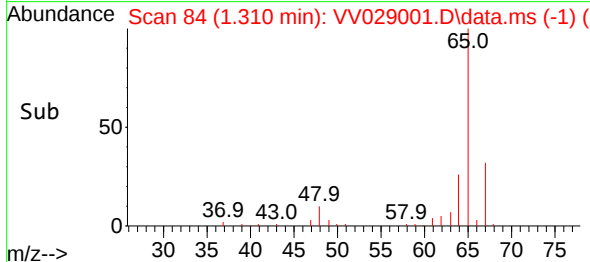
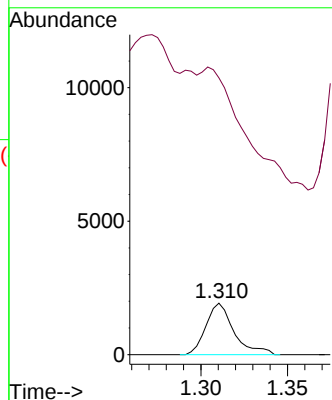
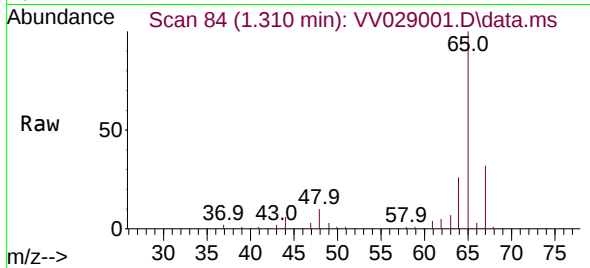




#5
 Vinyl chloride
 Concen: 0.099 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV029001.D
 Acq: 15 Nov 2022 20:12

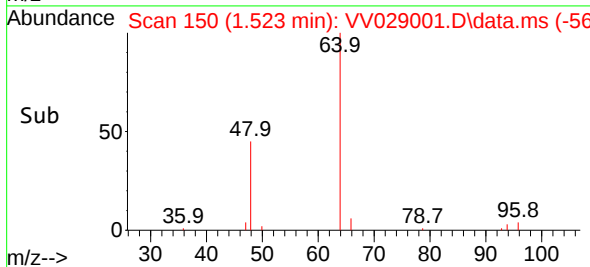
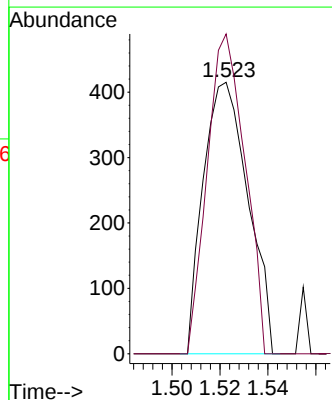
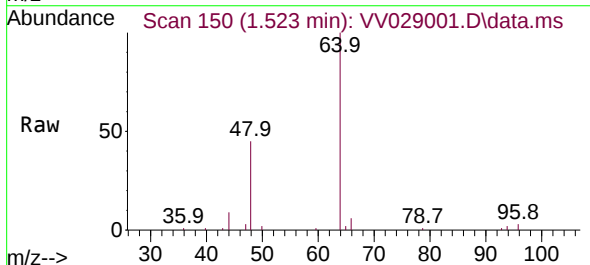
Instrument :
 MSVOA_V
 ClientSampleId :
 H0AD9

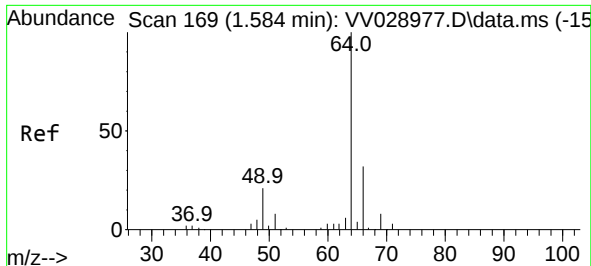
Tgt Ion: 62 Resp: 2165
 Ion Ratio Lower Upper
 62 100
 64 537.2 22.8 42.4#



#6
 Bromomethane
 Concen: 0.041 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.003 min
 Lab File: VV029001.D
 Acq: 15 Nov 2022 20:12

Tgt Ion: 94 Resp: 540
 Ion Ratio Lower Upper
 94 100
 96 117.8 68.5 127.3

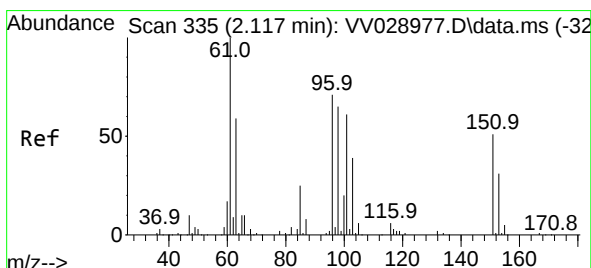
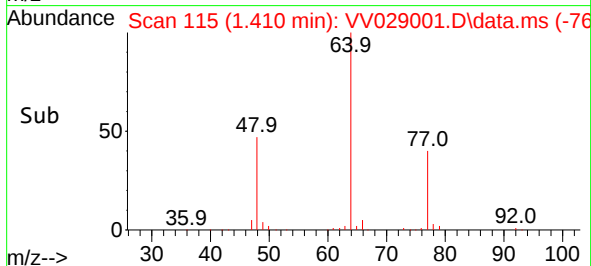
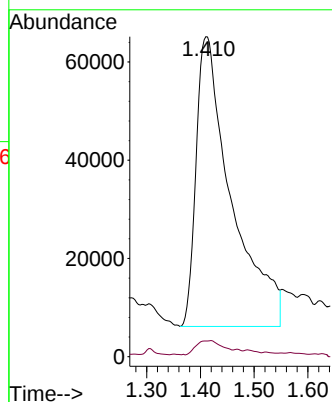
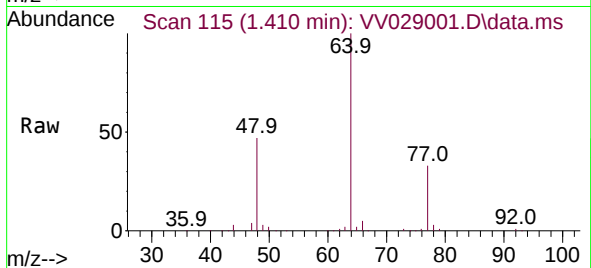




#8
Chloroethane
Concen: 20.773 ug/L
RT: 1.410 min Scan# 11
Delta R.T. -0.174 min
Lab File: VV029001.D
Acq: 15 Nov 2022 20:12

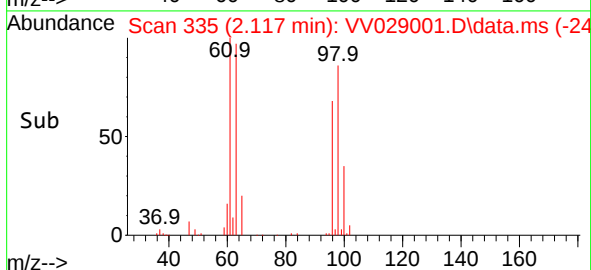
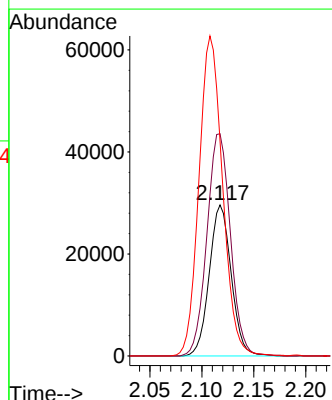
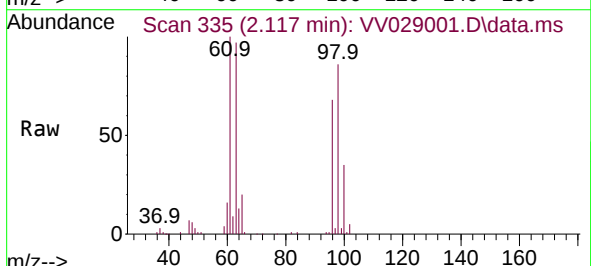
Instrument :
MSVOA_V
ClientSampleId :
H0AD9

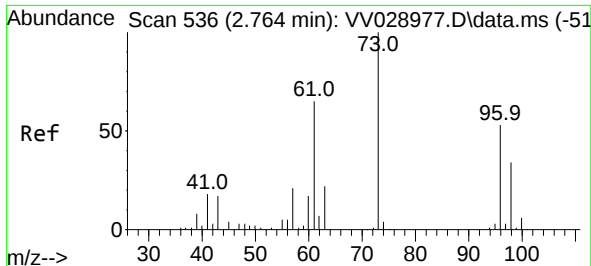
Tgt Ion: 64 Resp: 268103
Ion Ratio Lower Upper
64 100
66 4.9 22.0 40.8#



#12
1,1-Dichloroethene
Concen: 2.580 ug/L
RT: 2.117 min Scan# 335
Delta R.T. -0.000 min
Lab File: VV029001.D
Acq: 15 Nov 2022 20:12

Tgt Ion: 96 Resp: 43462
Ion Ratio Lower Upper
96 100
61 147.1 104.2 193.4
63 142.2 75.9 140.9#

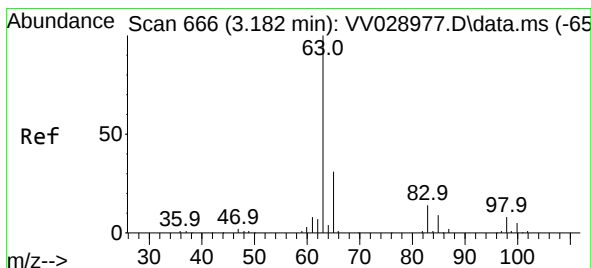
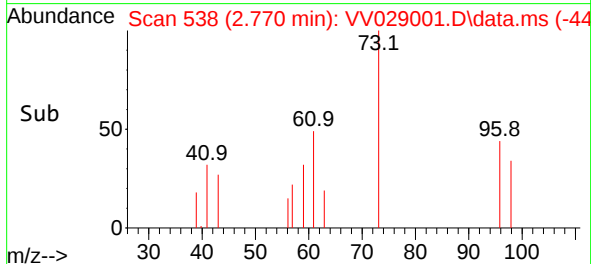
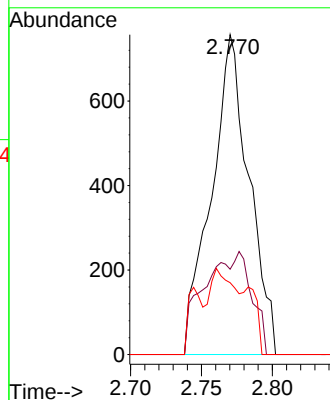
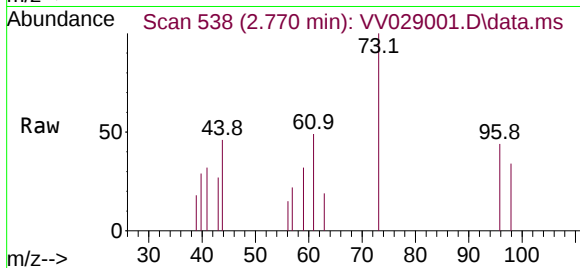




#17
Methyl tert-butyl Ether
Concen: 0.039 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV029001.D
Acq: 15 Nov 2022 20:12

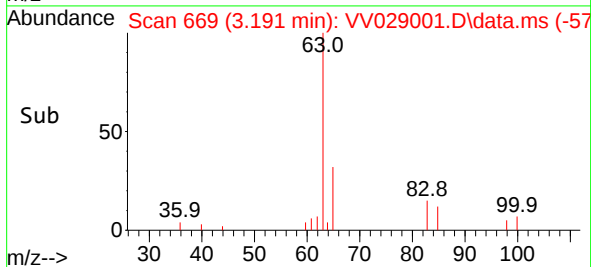
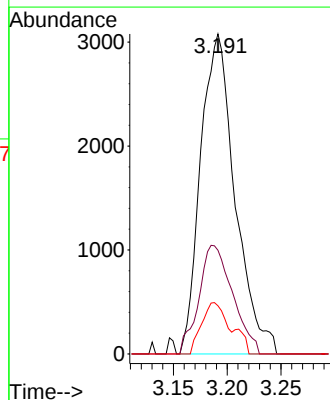
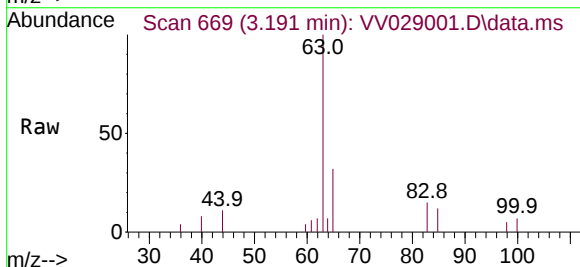
Instrument :
MSVOA_V
ClientSampleId :
H0AD9

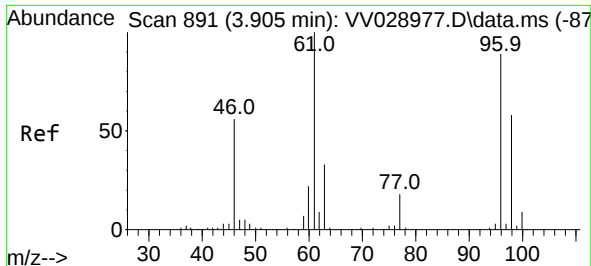
Tgt Ion: 73 Resp: 1400
Ion Ratio Lower Upper
73 100
43 16.4 13.0 19.4
57 0.0 16.6 24.8#



#19
1,1-Dichloroethane
Concen: 0.215 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.010 min
Lab File: VV029001.D
Acq: 15 Nov 2022 20:12

Tgt Ion: 63 Resp: 6857
Ion Ratio Lower Upper
63 100
65 32.4 23.0 42.6
83 15.1 9.4 17.6





#22

cis-1,2-Dichloroethene

Concen: 1.330 ug/L

RT: 3.912 min Scan# 891

Delta R.T. 0.006 min

Lab File: VV029001.D

Acq: 15 Nov 2022 20:12

Instrument :

MSVOA_V

ClientSampleId :

H0AD9

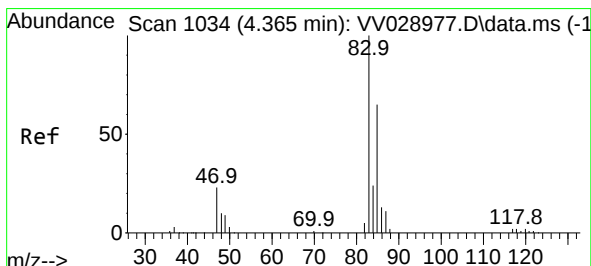
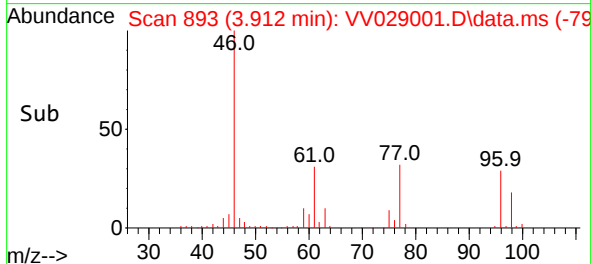
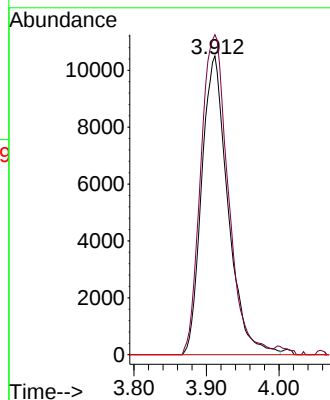
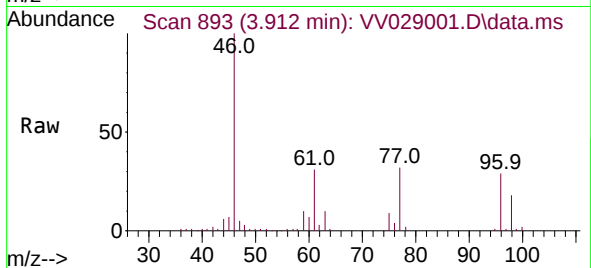
Tgt Ion: 96 Resp: 26431

Ion Ratio Lower Upper

96 100

61 107.1 82.3 152.9

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.331 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VV029001.D

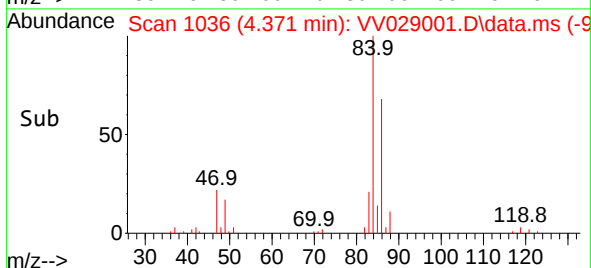
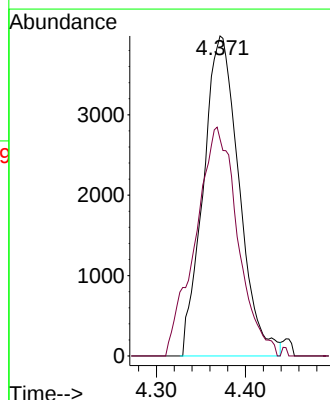
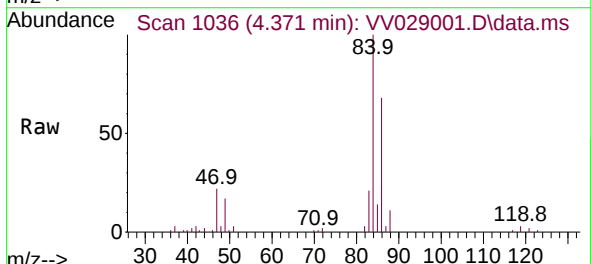
Acq: 15 Nov 2022 20:12

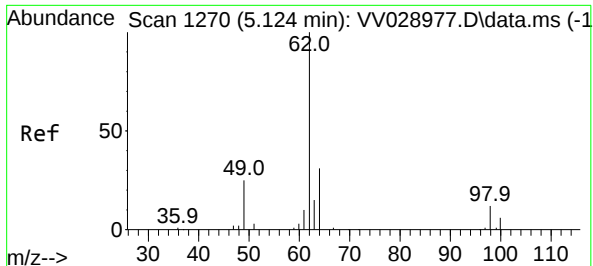
Tgt Ion: 83 Resp: 11100

Ion Ratio Lower Upper

83 100

85 67.7 43.7 81.1





#27

1,2-Dichloroethane

Concen: 0.092 ug/L

RT: 5.047 min Scan# 11

Delta R.T. -0.077 min

Lab File: VV029001.D

Acq: 15 Nov 2022 20:12

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ClientSampleId :

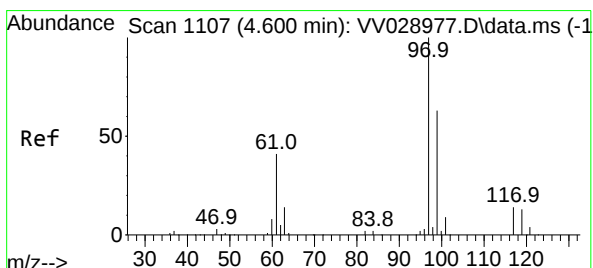
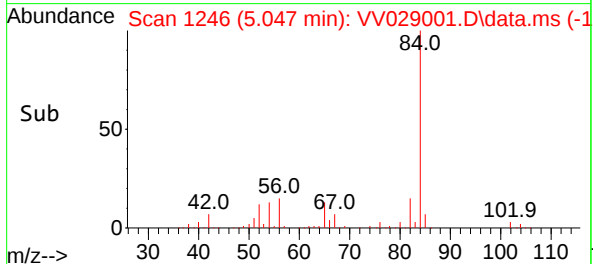
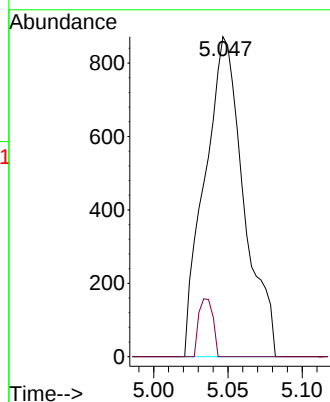
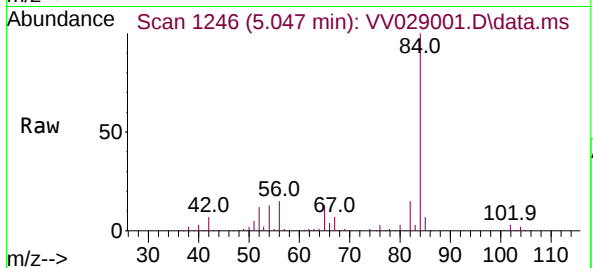
H0AD9

Tgt Ion: 62 Resp: 1593

Ion Ratio Lower Upper

62 100

98 0.0 9.0 13.6#



#29

1,1,1-Trichloroethane

Concen: 0.047 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.010 min

Lab File: VV029001.D

Acq: 15 Nov 2022 20:12

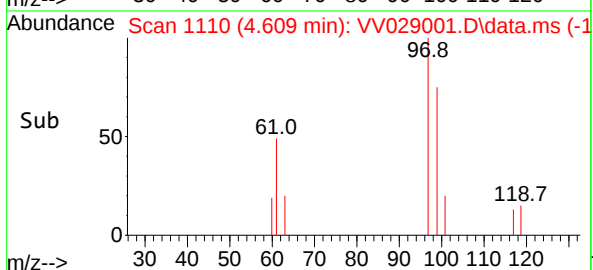
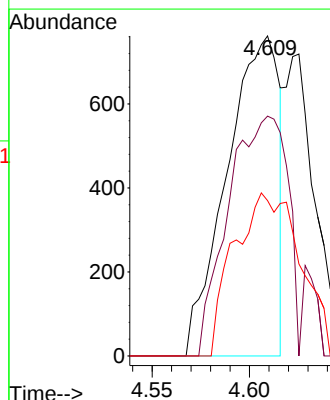
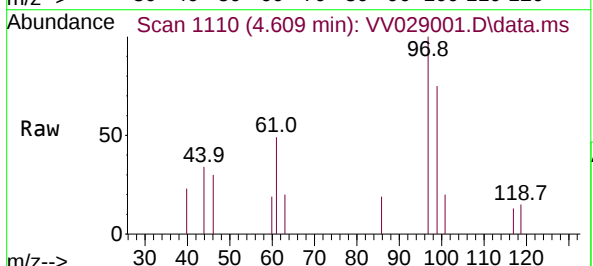
Tgt Ion: 97 Resp: 1415

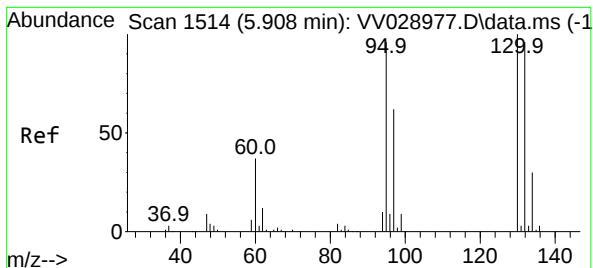
Ion Ratio Lower Upper

97 100

99 85.1 52.7 79.1#

61 64.9 33.8 50.6#





#34

Trichloroethene

Concen: 10.848 ug/L

RT: 5.908 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV029001.D

Acq: 15 Nov 2022 20:12

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Tgt Ion: 95 Resp: 217206

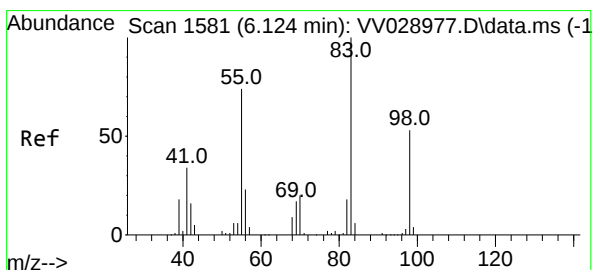
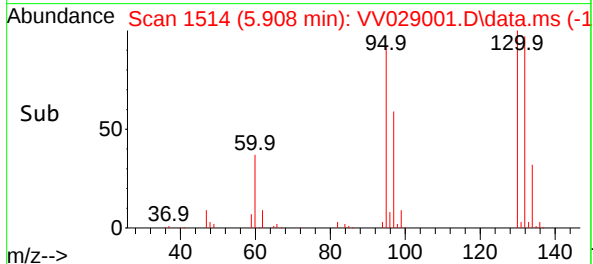
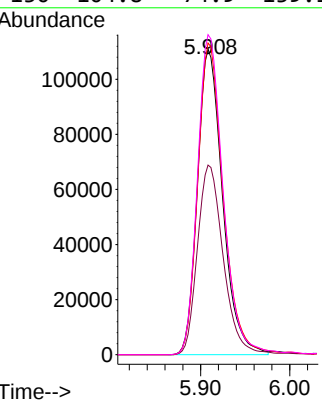
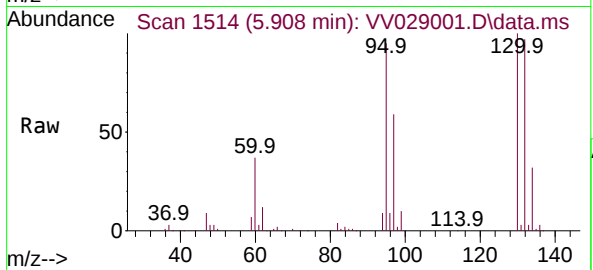
Ion Ratio Lower Upper

95 100

97 62.1 45.6 84.8

132 102.1 69.1 128.3

130 104.8 74.9 139.1



#35

Methylcyclohexane

Concen: 0.719 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.058 min

Lab File: VV029001.D

Acq: 15 Nov 2022 20:12

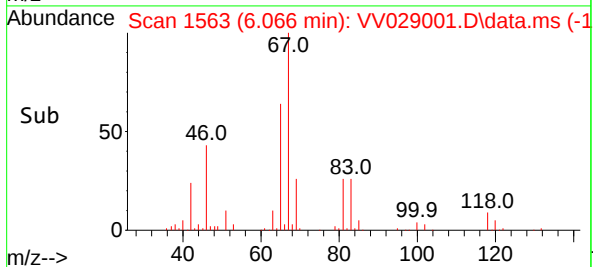
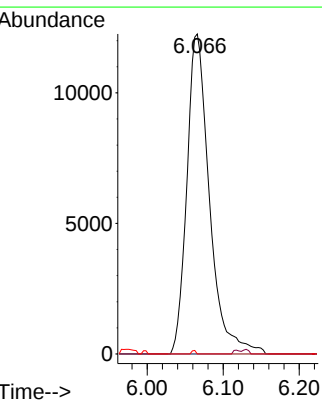
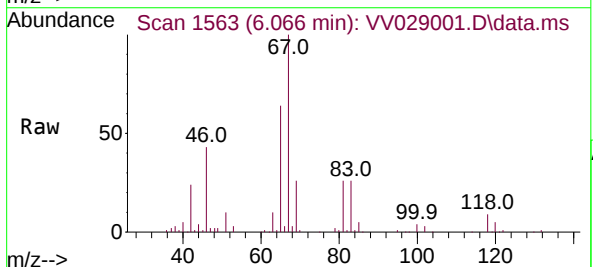
Tgt Ion: 83 Resp: 25293

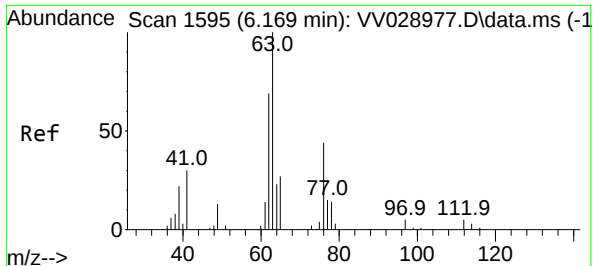
Ion Ratio Lower Upper

83 100

55 0.4 55.8 83.6#

98 0.9 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.564 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV029001.D

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ClientSampleId :

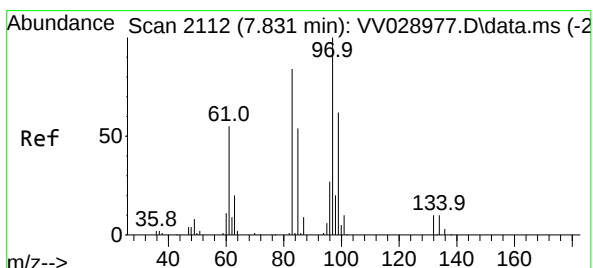
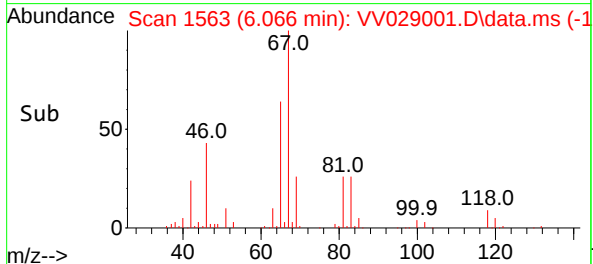
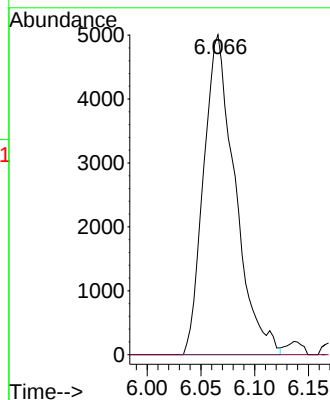
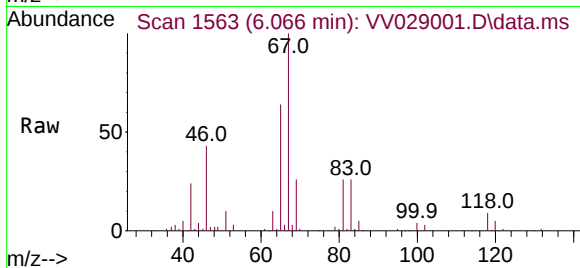
H0AD9

Tgt Ion: 63 Resp: 10172

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#45

1,1,2-Trichloroethane

Concen: 0.380 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. 0.135 min

Lab File: VV029001.D

Acq: 15 Nov 2022 20:12

Tgt Ion: 97 Resp: 4485

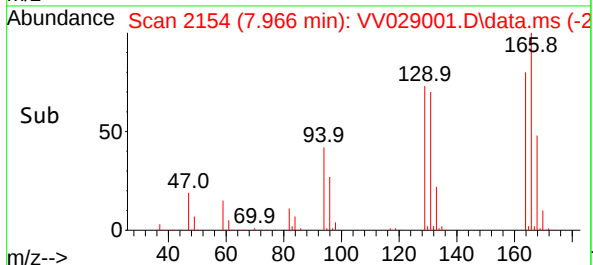
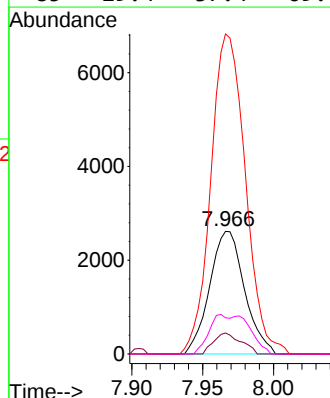
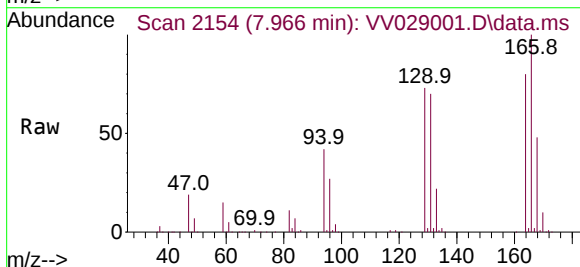
Ion Ratio Lower Upper

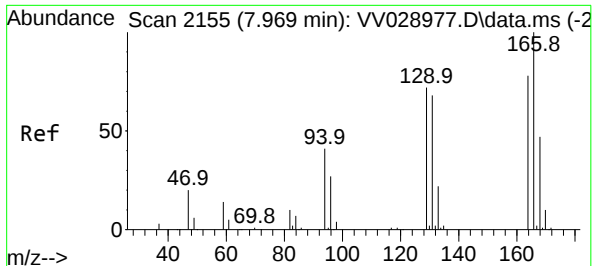
97 100

99 17.1 41.5 77.1#

83 260.9 60.0 111.4#

85 29.4 37.4 69.4#





#47

Tetrachloroethene

Concen: 34.402 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.000 min

Lab File: VV029001.D

Acq: 15 Nov 2022 20:12

Instrument :

MSVOA_V

ClientSampleId :

H0AD9

Tgt Ion:164 Resp: 551569

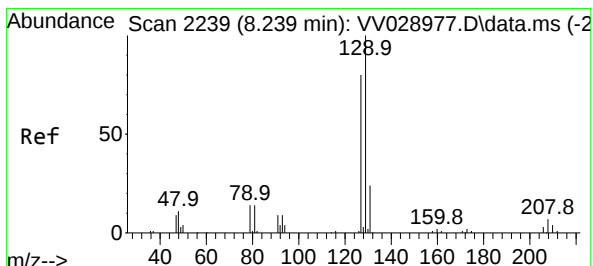
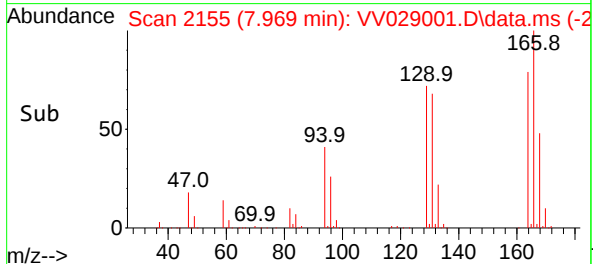
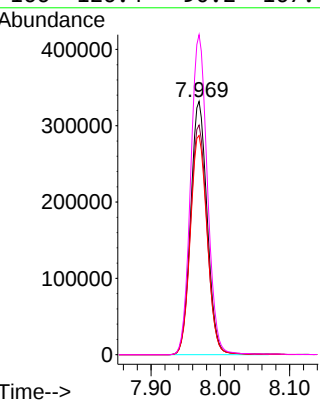
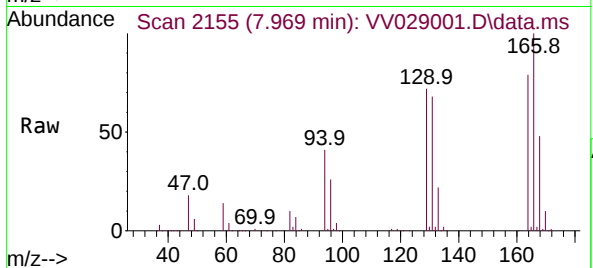
Ion Ratio Lower Upper

164 100

129 90.6 63.9 118.7

131 86.6 61.8 114.8

166 126.4 90.2 167.4



#49

Dibromochloromethane

Concen: 34.037 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.270 min

Lab File: VV029001.D

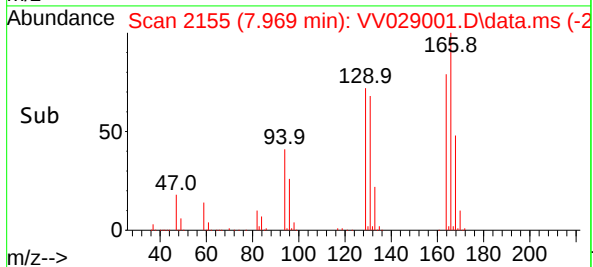
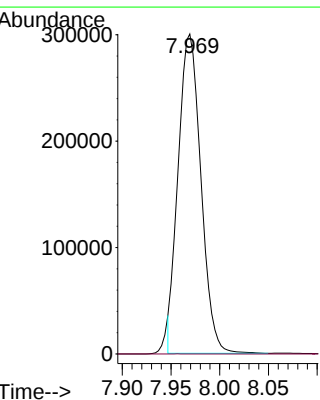
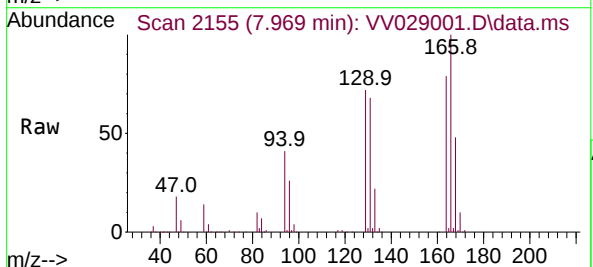
Acq: 15 Nov 2022 20:12

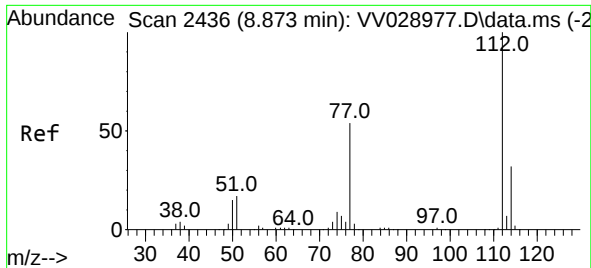
Tgt Ion:129 Resp: 485869

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#

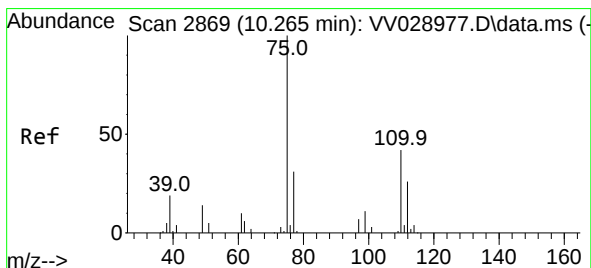
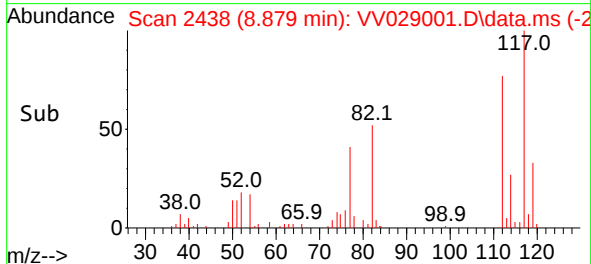
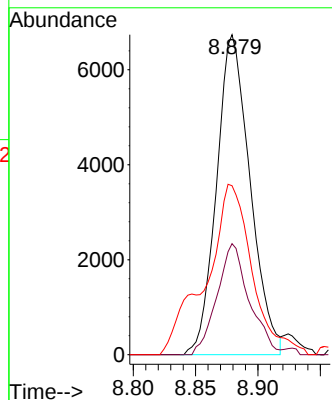
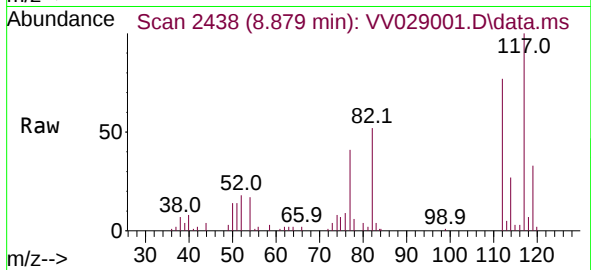




#51
Chlorobenzene
Concen: 0.242 ug/L
RT: 8.879 min Scan# 2436
Delta R.T. 0.006 min
Lab File: VV029001.D
Acq: 15 Nov 2022 20:12

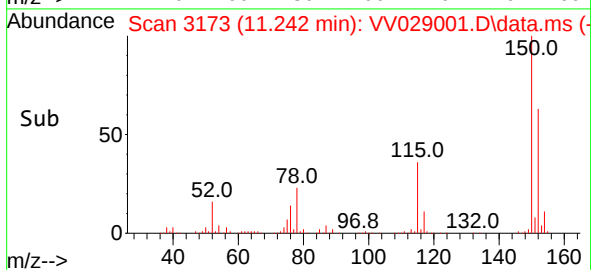
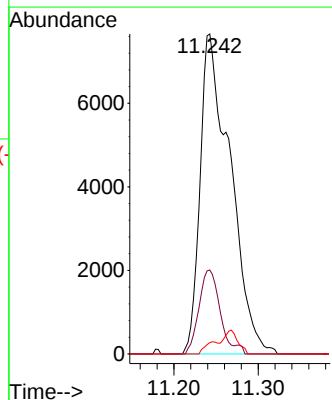
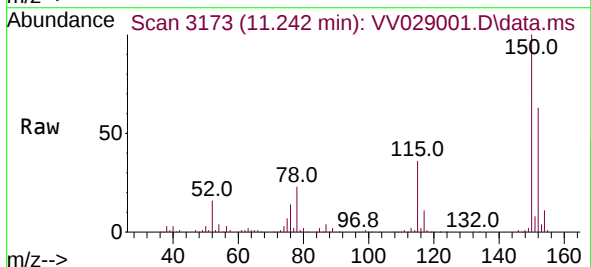
Instrument :
MSVOA_V
ClientSampleId :
H0AD9

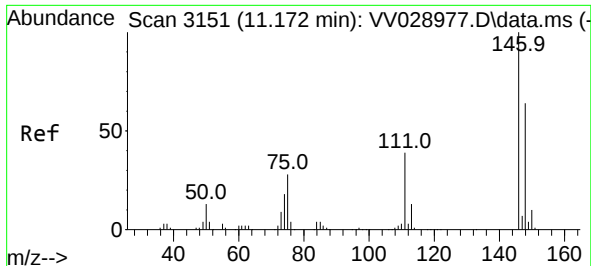
Tgt Ion:112 Resp: 12633
Ion Ratio Lower Upper
112 100
114 34.7 22.4 41.6
77 52.8 44.4 66.6



#61
1,2,3-Trichloropropane
Concen: 2.363 ug/L
RT: 11.242 min Scan# 3173
Delta R.T. 0.977 min
Lab File: VV029001.D
Acq: 15 Nov 2022 20:12

Tgt Ion: 75 Resp: 19010
Ion Ratio Lower Upper
75 100
77 18.6 26.2 39.2#
110 1.6 32.6 48.8#

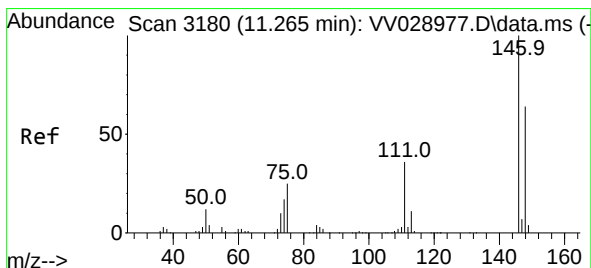
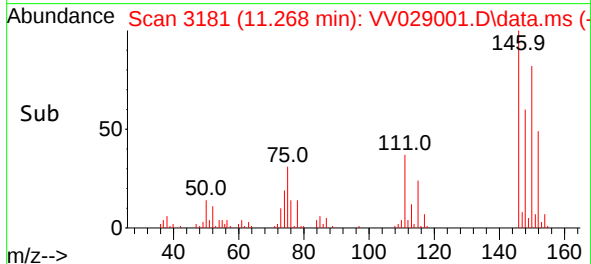
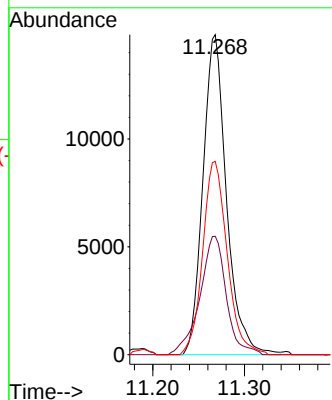
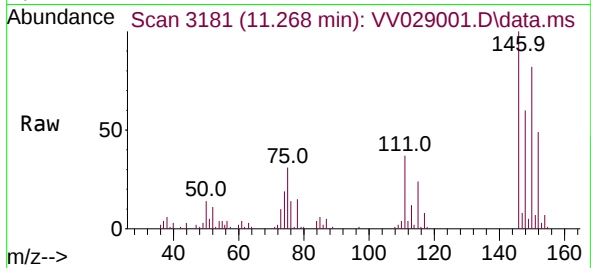




#64
1,3-Dichlorobenzene
Concen: 0.737 ug/L
RT: 11.268 min Scan# 3151
Delta R.T. 0.096 min
Lab File: VV029001.D
Acq: 15 Nov 2022 20:12

Instrument :
MSVOA_V
ClientSampleId :
H0AD9

Tgt Ion:146 Resp: 26465
Ion Ratio Lower Upper
146 100
111 37.0 26.9 50.1
148 60.4 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 0.733 ug/L
RT: 11.268 min Scan# 3181
Delta R.T. 0.003 min
Lab File: VV029001.D
Acq: 15 Nov 2022 20:12

Tgt Ion:146 Resp: 26465
Ion Ratio Lower Upper
146 100
111 37.0 26.5 49.3
148 60.4 44.5 82.7

