

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112022\
 Data File : VW029236.D
 Acq On : 20 Nov 2022 19:42
 Operator : SY/MD
 Sample : N5652-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 01:00:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 21 00:54:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	305480	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	277632	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	128185	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	89144	4.787	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.800%
7) Chloroethane-d5	1.568	69	75320	4.600	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.000%
11) 1,1-Dichloroethene-d2	2.105	63	116521	3.433	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.600%
20) 2-Butanone-d5	3.896	46	179179	57.475	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.960%
24) Chloroform-d	4.343	84	174030	4.552	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
26) 1,2-Dichloroethane-d4	5.031	65	80650	4.688	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
32) Benzene-d6	5.047	84	362108	4.370	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
36) 1,2-Dichloropropane-d6	6.066	67	108169	4.674	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.400%
41) Toluene-d8	7.310	98	308976	4.142	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.800%
43) trans-1,3-Dichloroprop...	7.622	79	31526	4.177	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.600%
46) 2-Hexanone-d5	8.088	63	144218	44.767	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.540%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	76104	4.744	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.800%
66) 1,2-Dichlorobenzene-d4	11.616	152	113882	4.966	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	2008	0.079	ug/L	90
3) Chloromethane	1.240	50	4179	0.198	ug/L	92
9) Trichlorofluoromethane	1.754	101	3054	0.094	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	1628	0.088	ug/L #	33
12) 1,1-Dichloroethene	2.118	96	3031	0.164	ug/L #	1
17) Methyl tert-butyl Ether	2.767	73	4069	0.103	ug/L #	91
18) trans-1,2-Dichloroethene	2.761	96	43598	2.033	ug/L	96
19) 1,1-Dichloroethane	3.188	63	2211	0.063	ug/L #	86
22) cis-1,2-Dichloroethene	3.909	96	125043	5.735	ug/L	99
25) Chloroform	4.372	83	35296	0.960	ug/L	89
29) 1,1,1-Trichloroethane	4.613	97	1458	0.045	ug/L #	84
33) Benzene	5.105	78	5430	0.064	ug/L	100
34) Trichloroethene	5.905	95	989009	45.535	ug/L	98
35) Methylcyclohexane	6.063	83	26411	0.692	ug/L #	26
37) 1,2-Dichloropropane	6.063	63	11375	0.581	ug/L #	85
38) Bromodichloromethane	6.513	83	5102	0.206	ug/L	96
39) cis-1,3-Dichloropropene	6.982	75	2228	0.082	ug/L #	50
47) Tetrachloroethene	7.969	164	44567	2.563	ug/L	99
49) Dibromochloromethane	7.973	129	39766	2.568	ug/L #	10

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Nov 21 00:54:18 2022
Response via : Initial Calibration

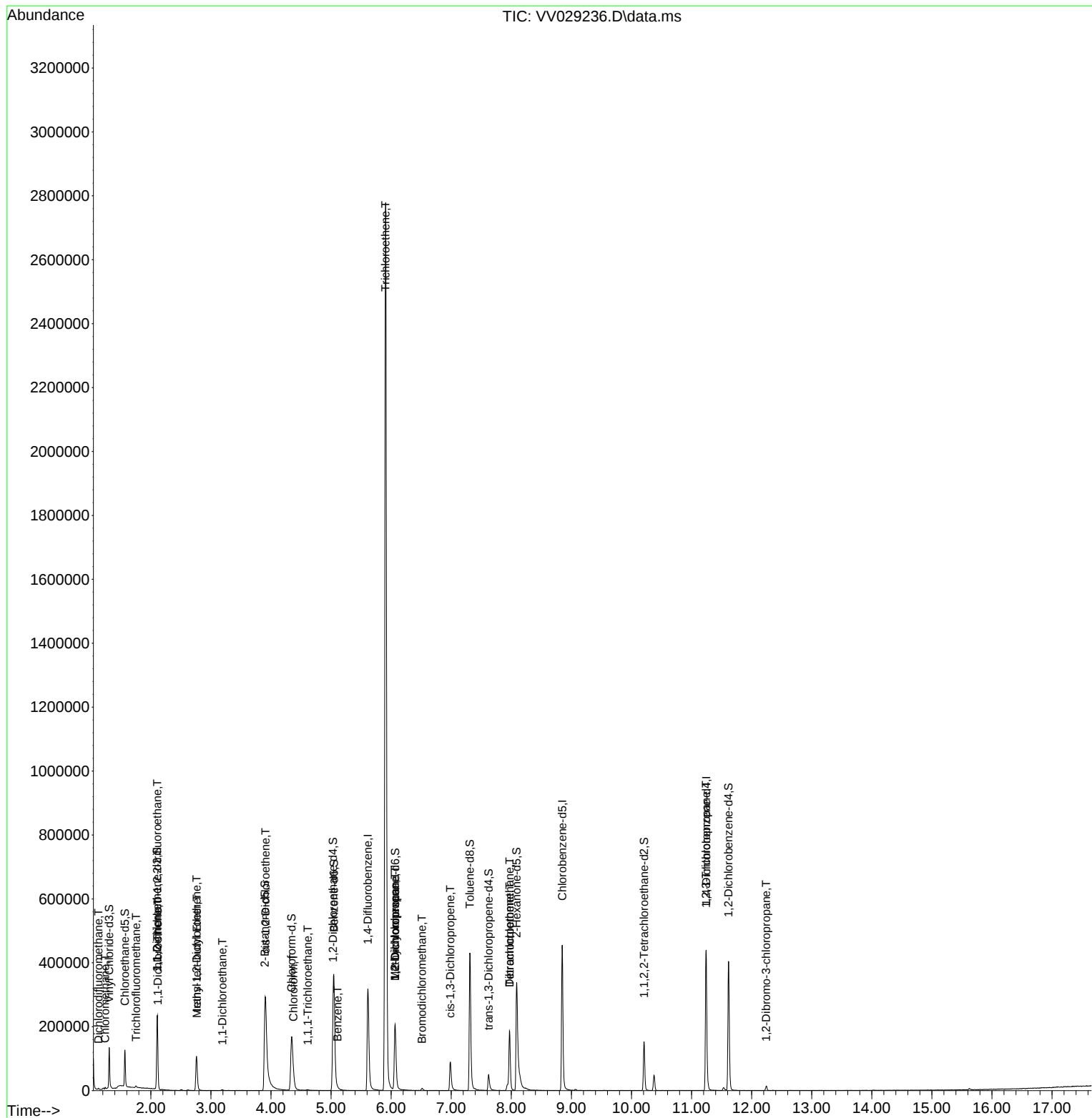
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.239	75	14421	1.646	ug/L #	64
68) 1,2-Dibromo-3-chloropr...	12.243	75	339	0.197	ug/L #	2

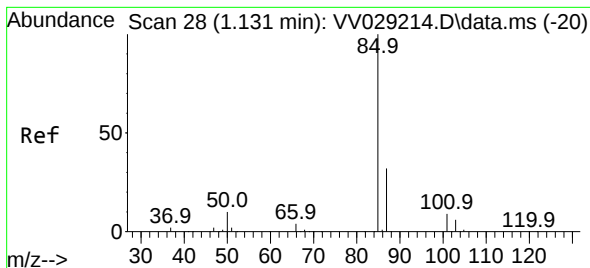
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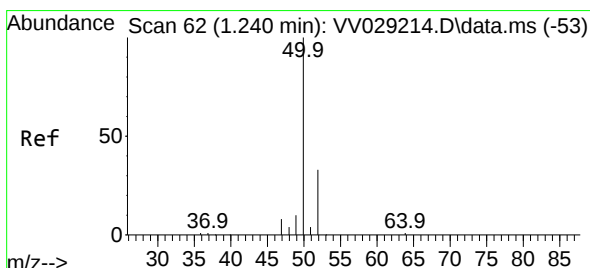
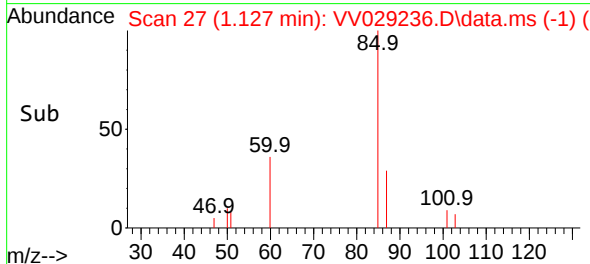
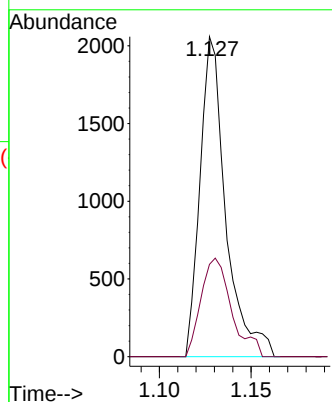
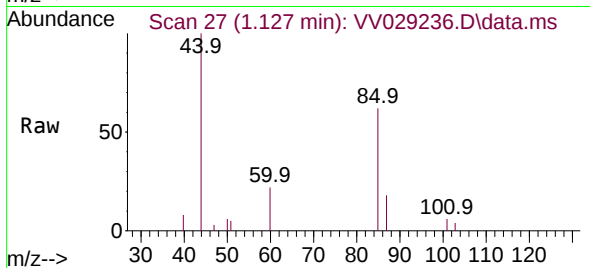




#2
 Dichlorodifluoromethane
 Concen: 0.079 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VV029236.D
 Acq: 20 Nov 2022 19:42

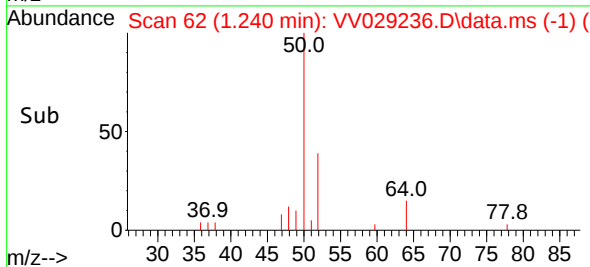
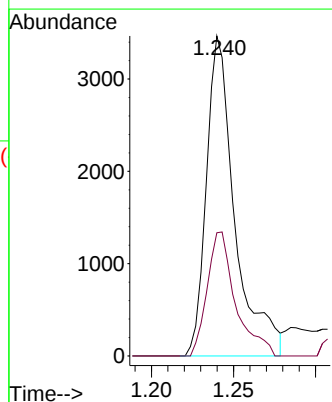
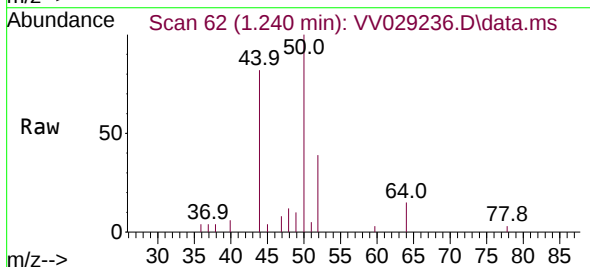
Instrument :
 MSVOA_V
 ClientSampleId :

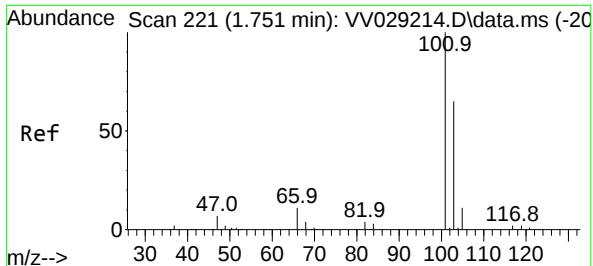
Tgt Ion: 85 Resp: 2008
 Ion Ratio Lower Upper
 85 100
 87 36.6 25.0 37.4



#3
 Chloromethane
 Concen: 0.198 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029236.D
 Acq: 20 Nov 2022 19:42

Tgt Ion: 50 Resp: 4179
 Ion Ratio Lower Upper
 50 100
 52 38.5 23.7 43.9

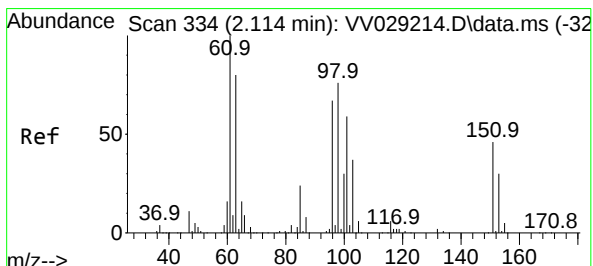
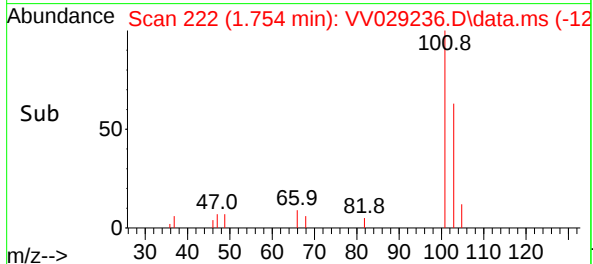
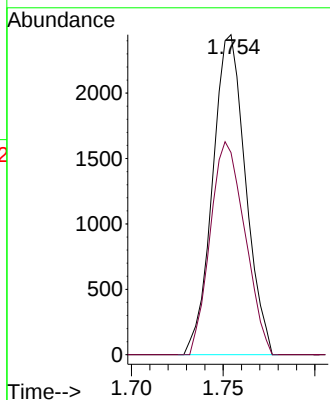
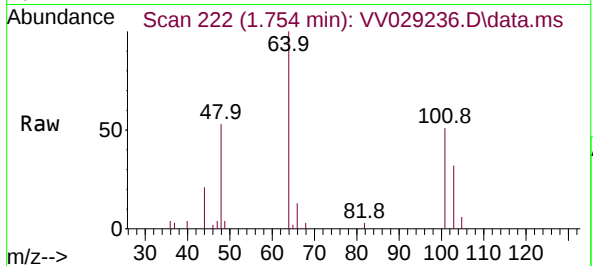




#9
 Trichlorofluoromethane
 Concen: 0.094 ug/L
 RT: 1.754 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV029236.D
 Acq: 20 Nov 2022 19:42

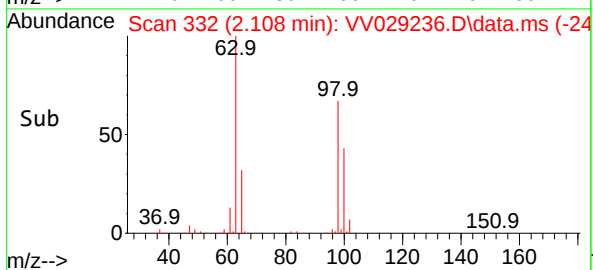
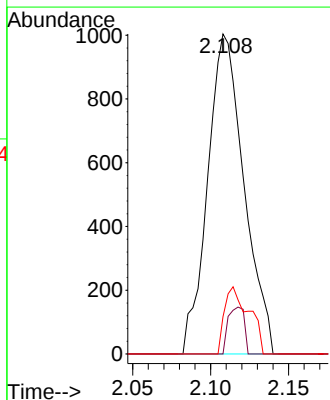
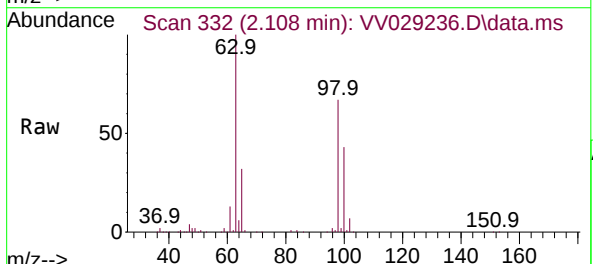
Instrument :
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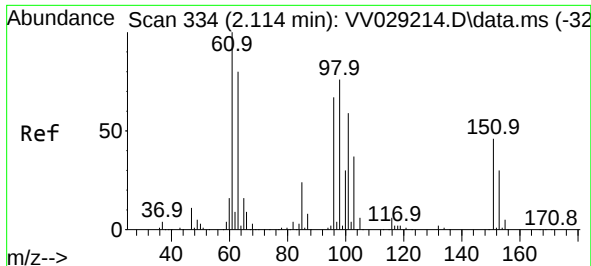
Tgt Ion:101 Resp: 3054
 Ion Ratio Lower Upper
 101 100
 103 69.9 51.3 76.9



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.088 ug/L
 RT: 2.108 min Scan# 332
 Delta R.T. -0.006 min
 Lab File: VV029236.D
 Acq: 20 Nov 2022 19:42

Tgt Ion:101 Resp: 1628
 Ion Ratio Lower Upper
 101 100
 85 6.4 32.9 49.3#
 151 14.1 62.5 93.7#

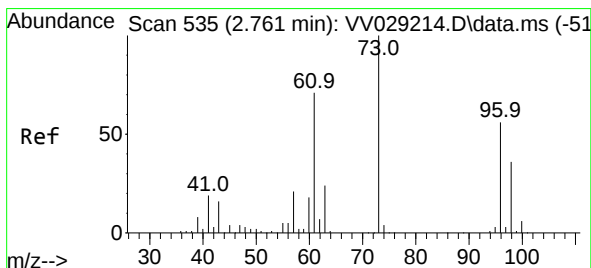
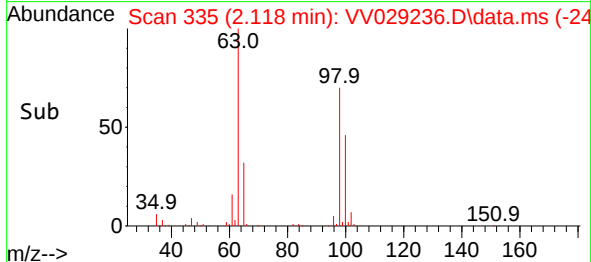
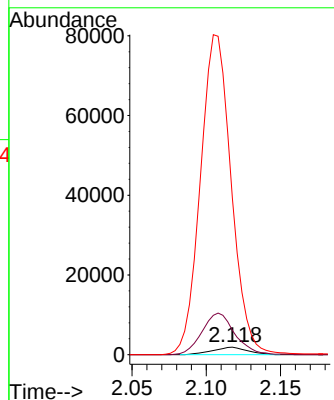
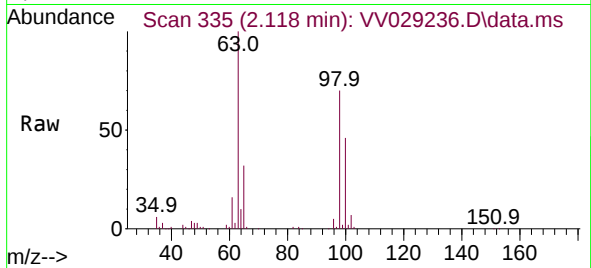




#12
1,1-Dichloroethene
Concen: 0.164 ug/L
RT: 2.118 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV029236.D
Acq: 20 Nov 2022 19:42

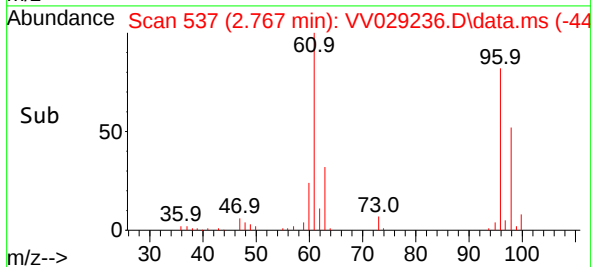
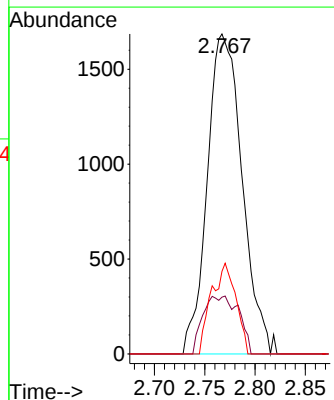
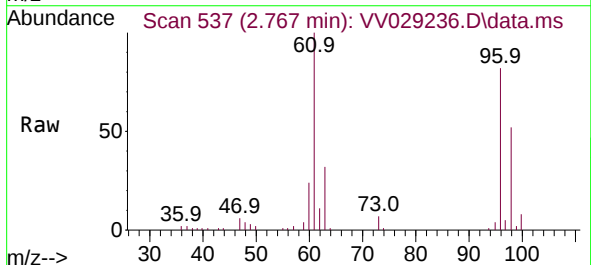
Instrument :
MSVOA_V
ClientSampleId :

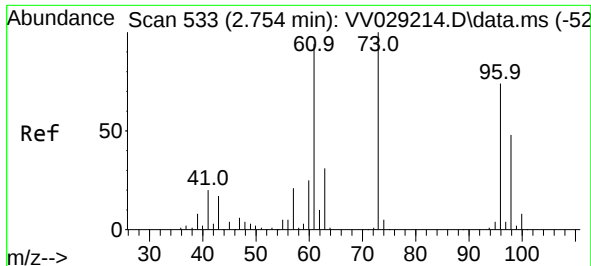
Tgt Ion: 96 Resp: 3031
Ion Ratio Lower Upper
96 100
61 326.5 104.2 193.4#
63 2097.9 75.9 140.9#



#17
Methyl tert-butyl Ether
Concen: 0.103 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.006 min
Lab File: VV029236.D
Acq: 20 Nov 2022 19:42

Tgt Ion: 73 Resp: 4069
Ion Ratio Lower Upper
73 100
43 8.8 13.0 19.4#
57 19.9 16.6 24.8

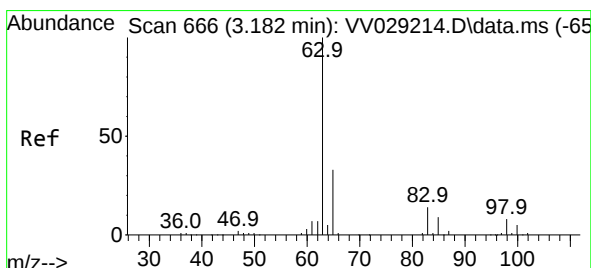
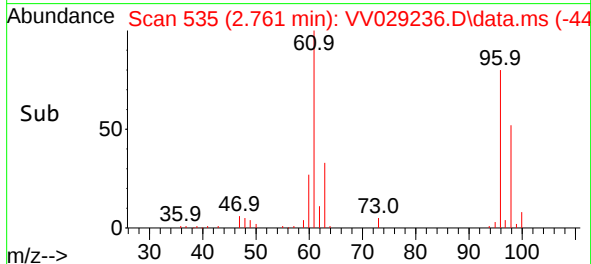
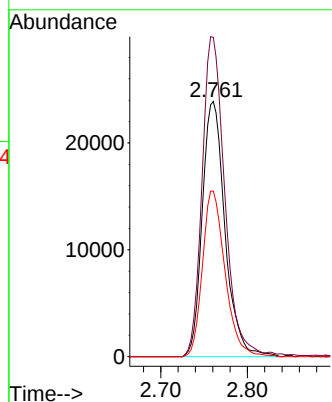
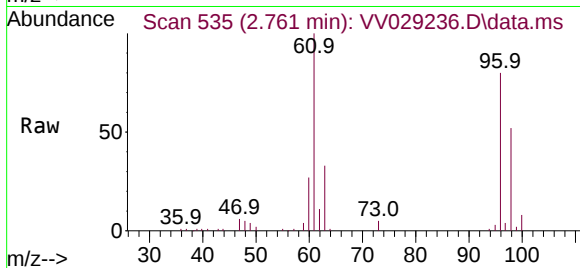




#18
trans-1,2-Dichloroethene
Concen: 2.033 ug/L
RT: 2.761 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV029236.D
Acq: 20 Nov 2022 19:42

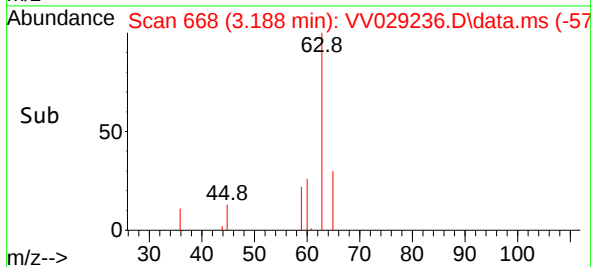
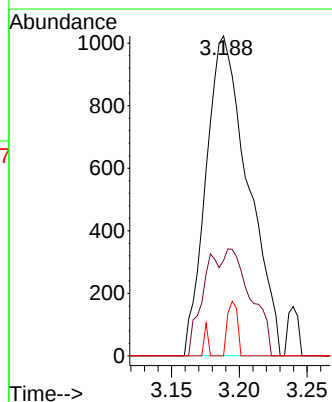
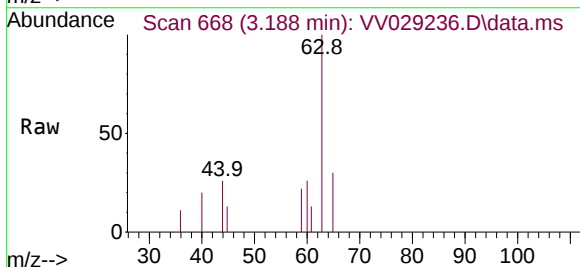
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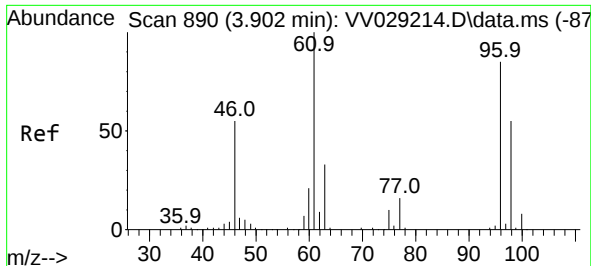
Tgt Ion: 96 Resp: 43598
Ion Ratio Lower Upper
96 100
61 125.2 91.8 170.6
98 64.9 46.4 86.2



#19
1,1-Dichloroethane
Concen: 0.063 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.006 min
Lab File: VV029236.D
Acq: 20 Nov 2022 19:42

Tgt Ion: 63 Resp: 2211
Ion Ratio Lower Upper
63 100
65 29.8 23.0 42.6
83 0.0 9.4 17.6#





#22

cis-1,2-Dichloroethene

Concen: 5.735 ug/L

RT: 3.909 min Scan# 89

Delta R.T. 0.006 min

Lab File: VV029236.D

Acq: 20 Nov 2022 19:42

Instrument :

MSVOA_V

ClientSampleId :

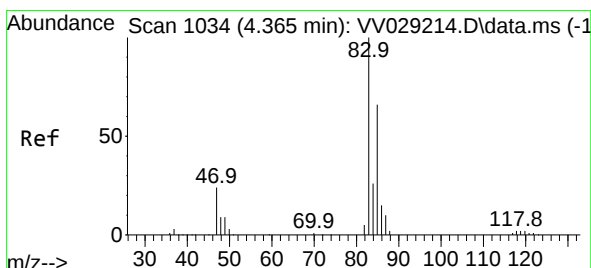
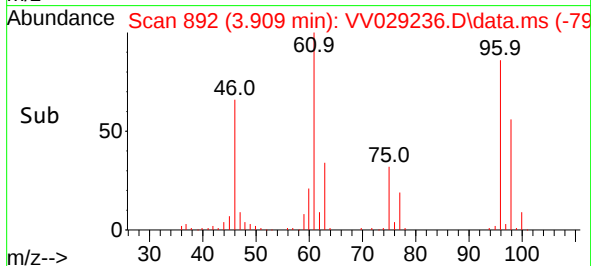
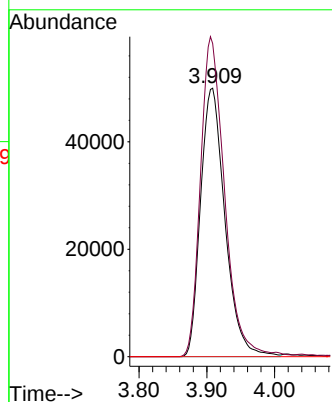
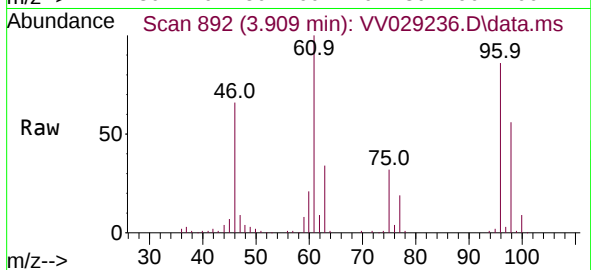
Tgt Ion: 96 Resp: 125043

Ion Ratio Lower Upper

96 100

61 116.6 82.3 152.9

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.960 ug/L

RT: 4.372 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VV029236.D

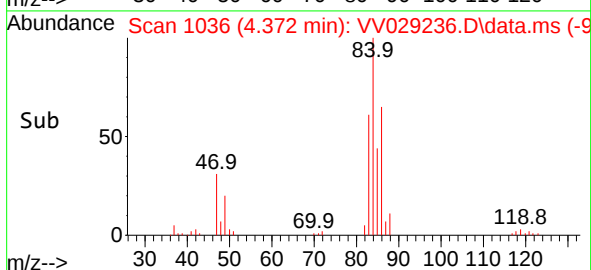
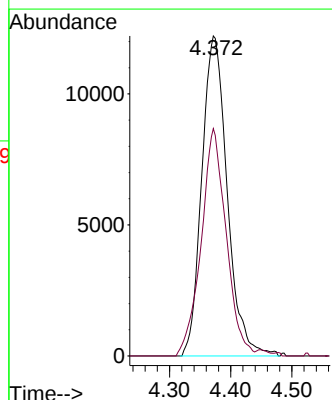
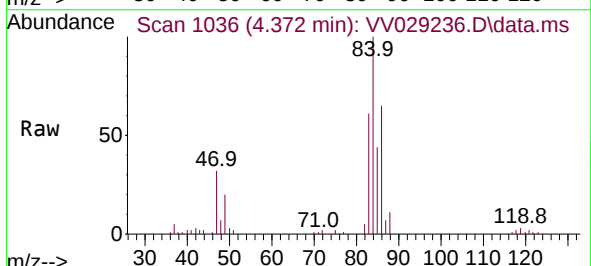
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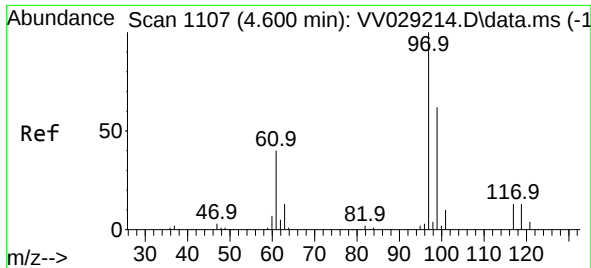
Tgt Ion: 83 Resp: 35296

Ion Ratio Lower Upper

83 100

85 71.0 43.7 81.1

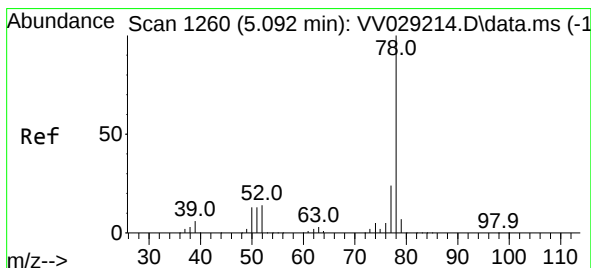
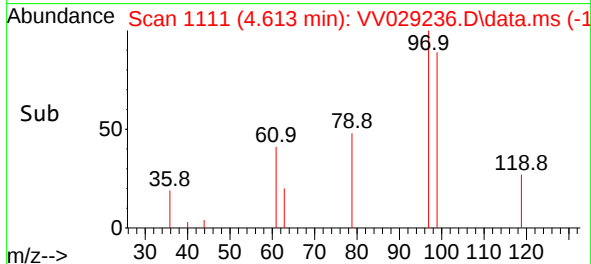
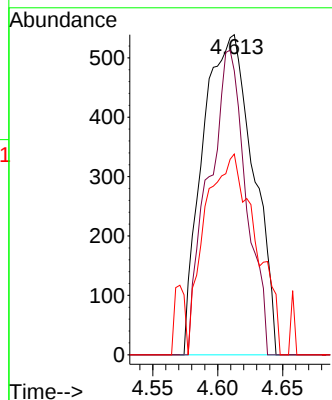
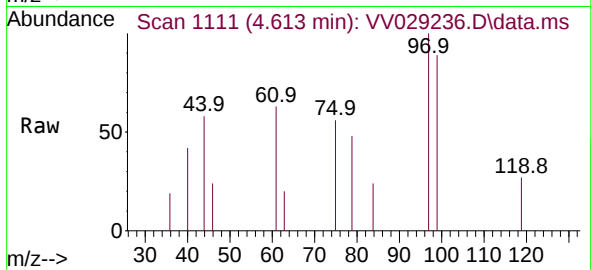




#29
1,1,1-Trichloroethane
Concen: 0.045 ug/L
RT: 4.613 min Scan# 1111
Delta R.T. 0.013 min
Lab File: VV029236.D
Acq: 20 Nov 2022 19:42

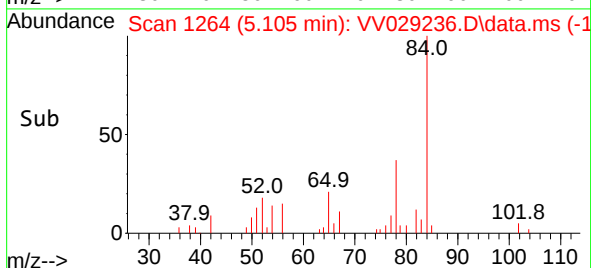
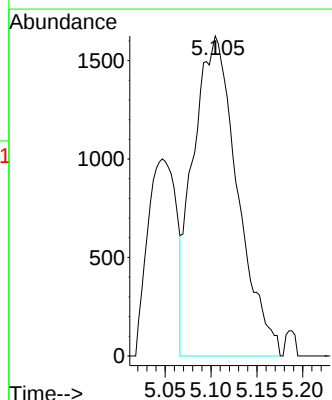
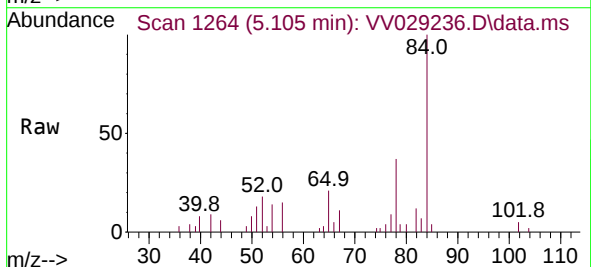
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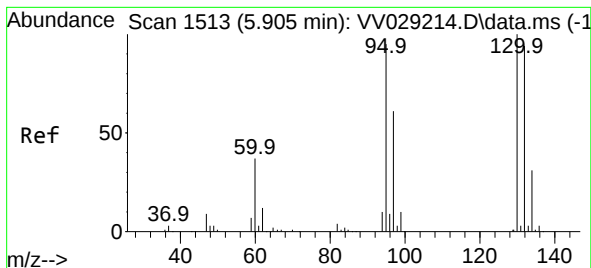
Tgt Ion: 97 Resp: 1458
Ion Ratio Lower Upper
97 100
99 70.6 52.7 79.1
61 62.9 33.8 50.6#



#33
Benzene
Concen: 0.064 ug/L
RT: 5.105 min Scan# 1264
Delta R.T. 0.013 min
Lab File: VV029236.D
Acq: 20 Nov 2022 19:42

Tgt Ion: 78 Resp: 5430





#34

Trichloroethene

Concen: 45.535 ug/L

RT: 5.905 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV029236.D

Acq: 20 Nov 2022 19:42

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 989009

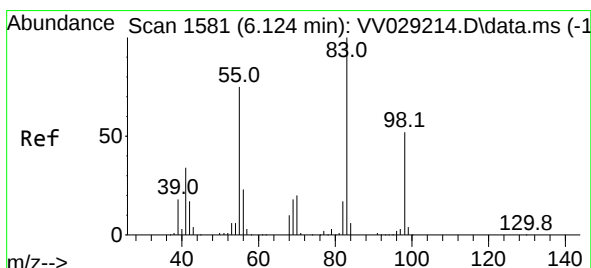
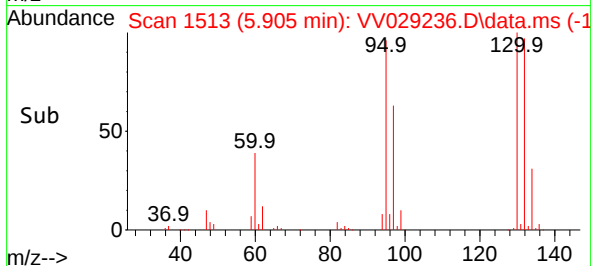
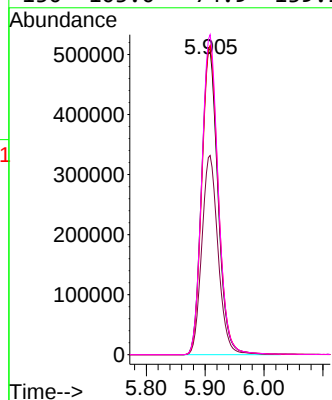
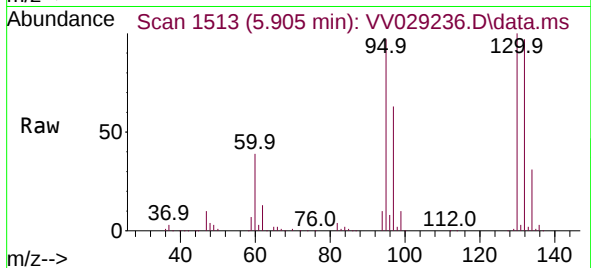
Ion Ratio Lower Upper

95 100

97 64.5 45.6 84.8

132 99.5 69.1 128.3

130 103.0 74.9 139.1



#35

Methylcyclohexane

Concen: 0.692 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.061 min

Lab File: VV029236.D

Acq: 20 Nov 2022 19:42

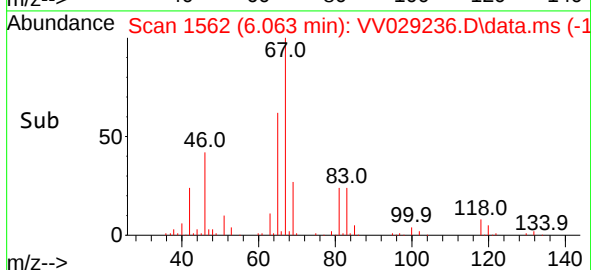
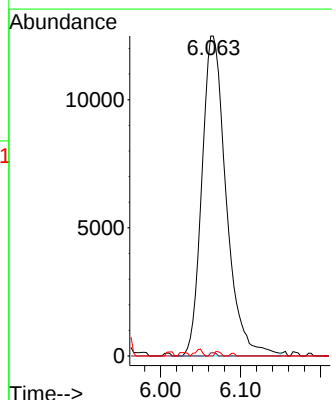
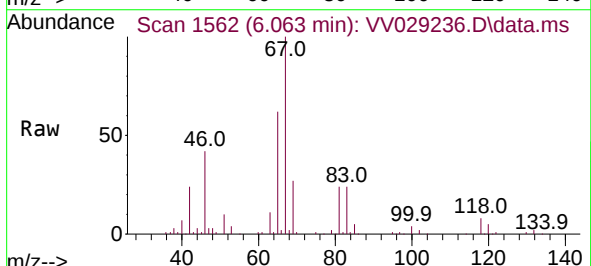
Tgt Ion: 83 Resp: 26411

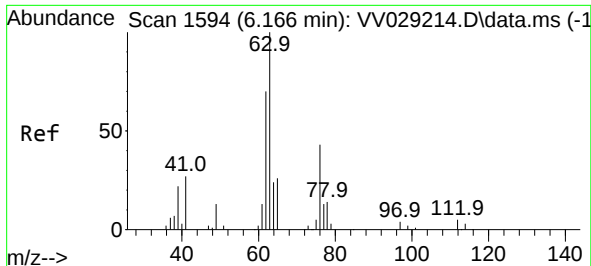
Ion Ratio Lower Upper

83 100

55 0.2 55.8 83.6#

98 8.0 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.581 ug/L

RT: 6.063 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV029236.D

Acq: 20 Nov 2022 19:42

Instrument :

MSVOA_V

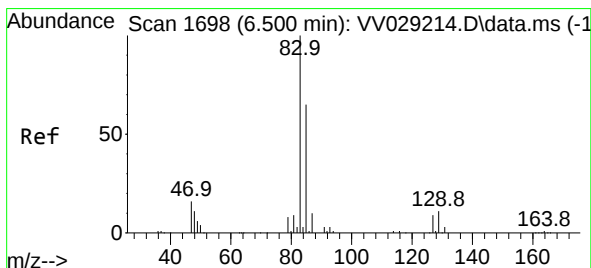
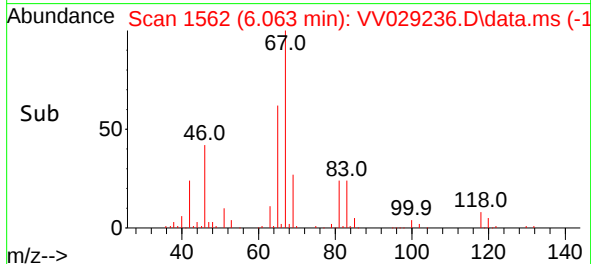
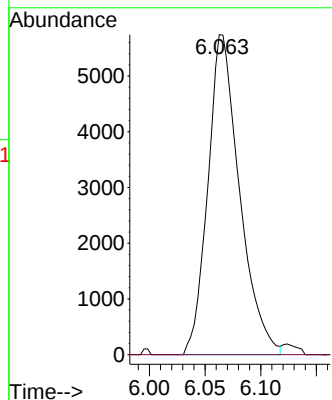
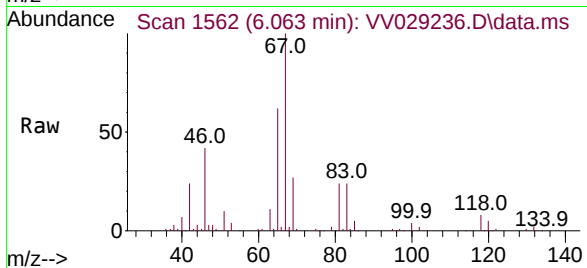
ClientSampleId :

Tgt Ion: 63 Resp: 11375

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#38

Bromodichloromethane

Concen: 0.206 ug/L

RT: 6.513 min Scan# 1702

Delta R.T. 0.013 min

Lab File: VV029236.D

Acq: 20 Nov 2022 19:42

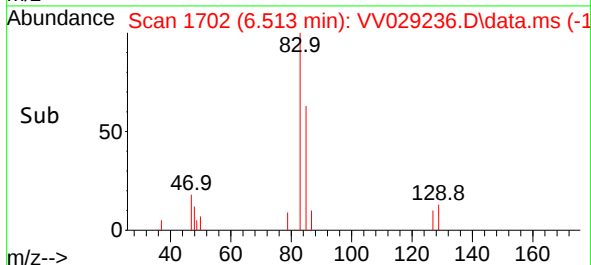
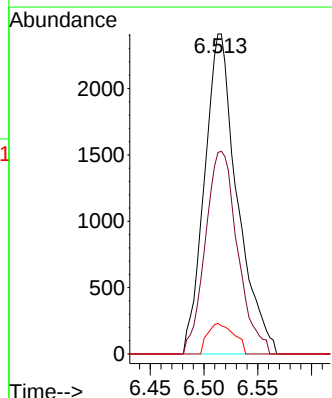
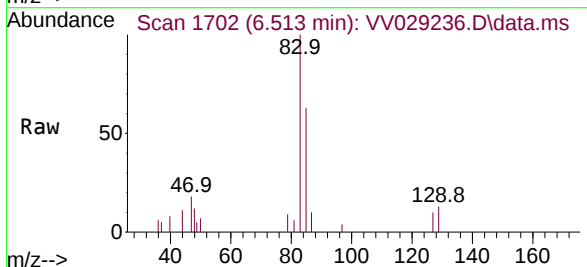
Tgt Ion: 83 Resp: 5102

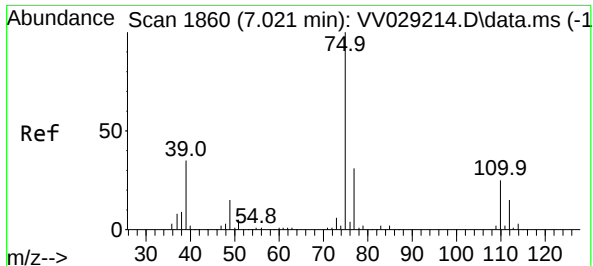
Ion Ratio Lower Upper

83 100

85 63.0 46.1 85.5

127 9.6 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 6.982 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV029236.D

Acq: 20 Nov 2022 19:42

Instrument :

MSVOA_V

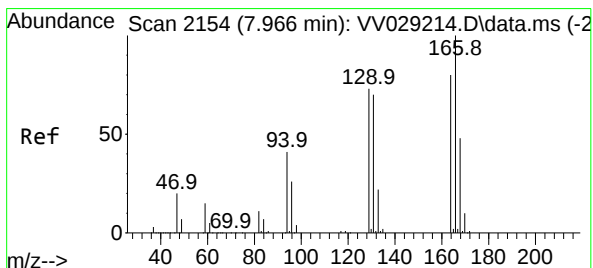
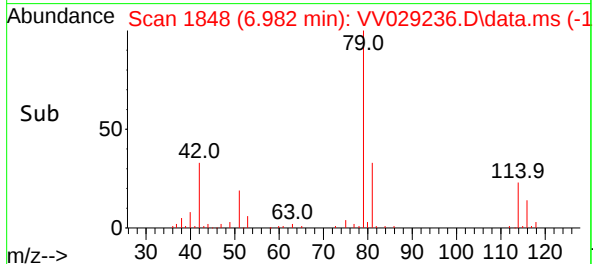
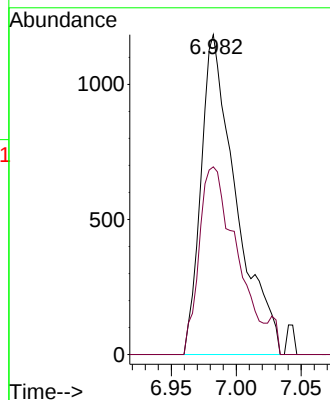
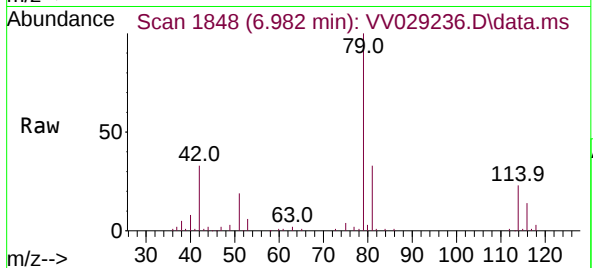
ClientSampleId :

Tgt Ion: 75 Resp: 2228

Ion Ratio Lower Upper

75 100

77 58.7 21.8 40.6#



#47

Tetrachloroethene

Concen: 2.563 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.003 min

Lab File: VV029236.D

Acq: 20 Nov 2022 19:42

Tgt Ion: 164 Resp: 44567

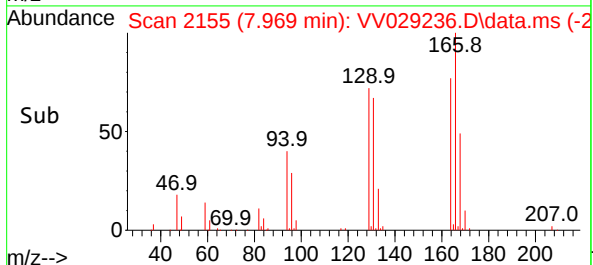
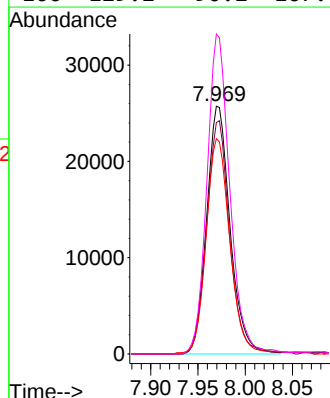
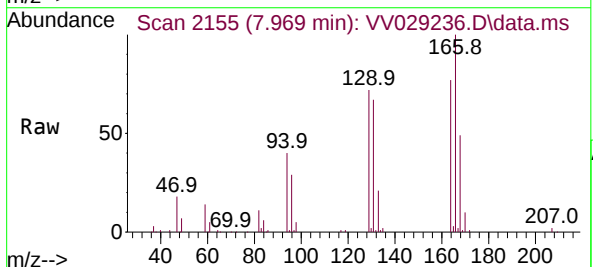
Ion Ratio Lower Upper

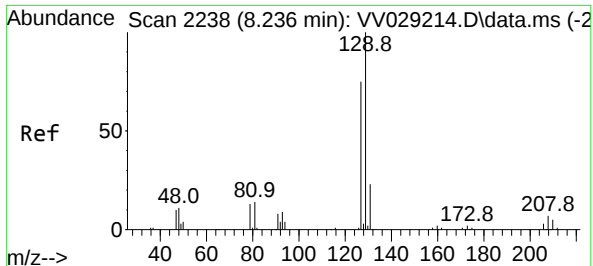
164 100

129 93.4 63.9 118.7

131 86.8 61.8 114.8

166 129.2 90.2 167.4





#49

Dibromochloromethane

Concen: 2.568 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.264 min

Lab File: VV029236.D

Acq: 20 Nov 2022 19:42

Instrument :

MSVOA_V

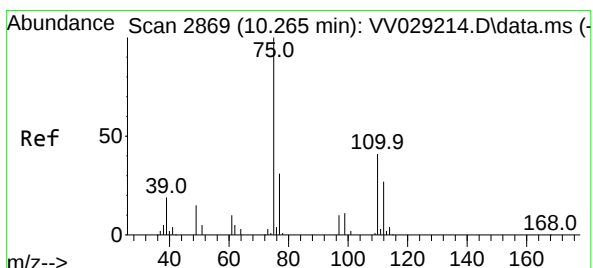
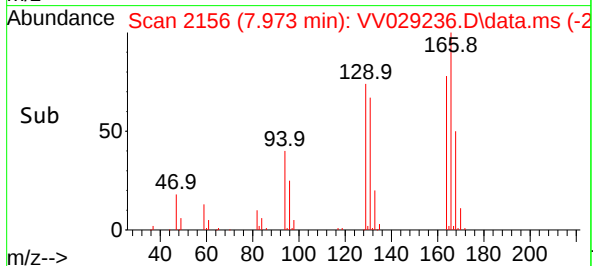
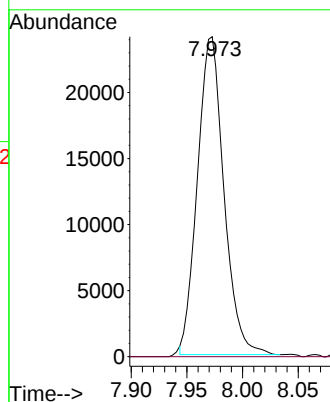
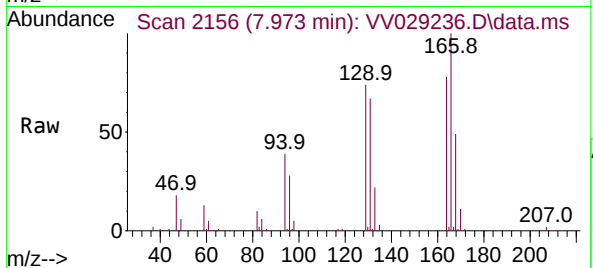
ClientSampleId :

Tgt Ion:129 Resp: 39766

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#61

1,2,3-Trichloropropane

Concen: 1.646 ug/L

RT: 11.239 min Scan# 3172

Delta R.T. 0.974 min

Lab File: VV029236.D

Acq: 20 Nov 2022 19:42

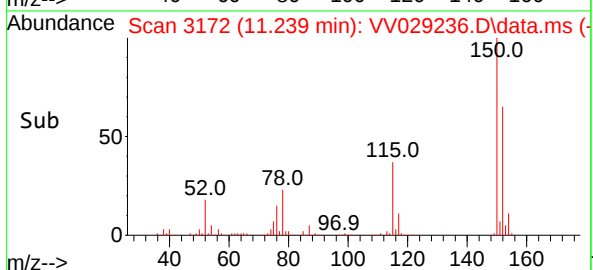
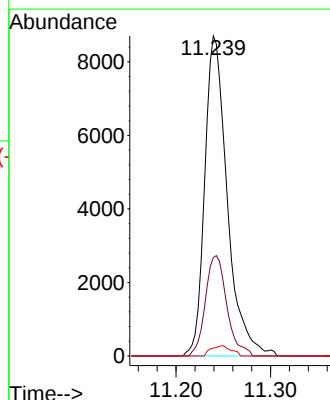
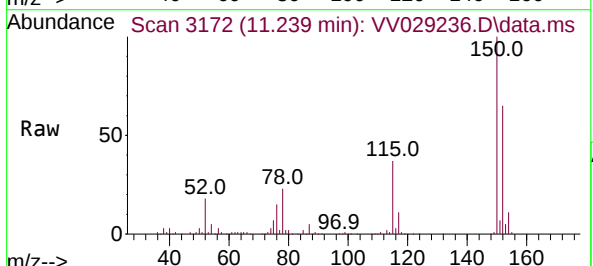
Tgt Ion: 75 Resp: 14421

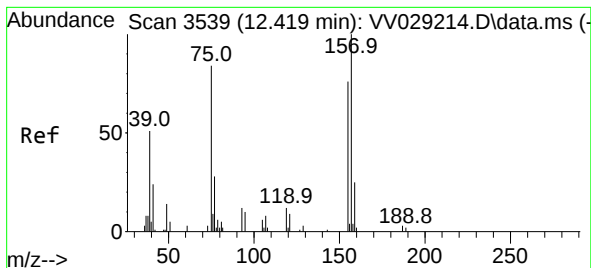
Ion Ratio Lower Upper

75 100

77 29.8 26.2 39.2

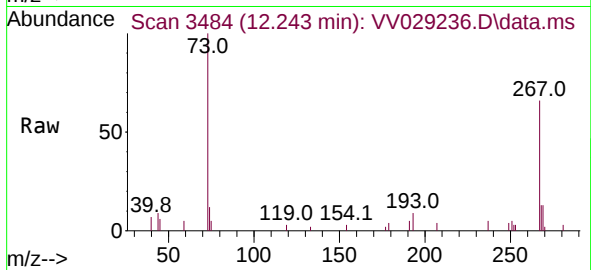
110 2.9 32.6 48.8#





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.197 ug/L
 RT: 12.243 min Scan# 34
 Delta R.T. -0.177 min
 Lab File: VV029236.D
 Acq: 20 Nov 2022 19:42

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 339
 Ion Ratio Lower Upper
 75 100
 155 0.0 64.8 97.2#
 157 0.0 86.3 129.5#

