

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112022\
 Data File : VW029237.D
 Acq On : 20 Nov 2022 20:06
 Operator : SY/MD
 Sample : N5652-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 01:00:57 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	5.612	114	308638	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	285759	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	129843	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	88430	4.700	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	94.000%	
7) Chloroethane-d5	1.567	69	74525	4.505	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	90.200%	
11) 1,1-Dichloroethene-d2	2.108	63	116089	3.386	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	67.800%	
20) 2-Butanone-d5	3.895	46	192846	61.226	ug/L	0.01
Spiked Amount	50.000	Range 40 - 130	Recovery	=	122.460%	
24) Chloroform-d	4.342	84	175115	4.533	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	90.600%	
26) 1,2-Dichloroethane-d4	5.030	65	80796	4.648	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	93.000%	
32) Benzene-d6	5.046	84	353974	4.150	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	83.000%	
36) 1,2-Dichloropropane-d6	6.066	67	107863	4.529	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	90.600%	
41) Toluene-d8	7.310	98	308506	4.018	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	80.400%	
43) trans-1,3-Dichloroprop...	7.622	79	33270	4.283	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	85.600%	
46) 2-Hexanone-d5	8.088	63	153778	46.377	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	92.760%	
56) 1,1,2,2-Tetrachloroeth...	10.210	84	77742	4.708	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	94.200%	
66) 1,2-Dichlorobenzene-d4	11.615	152	112605	4.847	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	97.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	2662	0.103	ug/L #	86
3) Chloromethane	1.240	50	3368	0.158	ug/L	98
8) Chloroethane	1.458	64	24277	1.696	ug/L #	54
9) Trichlorofluoromethane	1.754	101	3977	0.121	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	1922	0.103	ug/L #	32
12) 1,1-Dichloroethene	2.114	96	3668	0.196	ug/L #	1
17) Methyl tert-butyl Ether	2.764	73	4402	0.110	ug/L #	95
18) trans-1,2-Dichloroethene	2.760	96	60532	2.793	ug/L	98
19) 1,1-Dichloroethane	3.198	63	2916	0.082	ug/L	92
22) cis-1,2-Dichloroethene	3.905	96	164700	7.476	ug/L	98
25) Chloroform	4.371	83	26057	0.702	ug/L	91
29) 1,1,1-Trichloroethane	4.606	97	1604	0.048	ug/L	96
33) Benzene	5.104	78	6778	0.078	ug/L	100
34) Trichloroethene	5.908	95	1368332	61.208	ug/L	98
35) Methylcyclohexane	6.066	83	27007	0.687	ug/L #	21
37) 1,2-Dichloropropane	6.066	63	11667	0.579	ug/L #	87
38) Bromodichloromethane	6.509	83	3070	0.120	ug/L #	98
39) cis-1,3-Dichloropropene	6.979	75	2298	0.082	ug/L #	74
47) Tetrachloroethene	7.969	164	62573	3.496	ug/L	97

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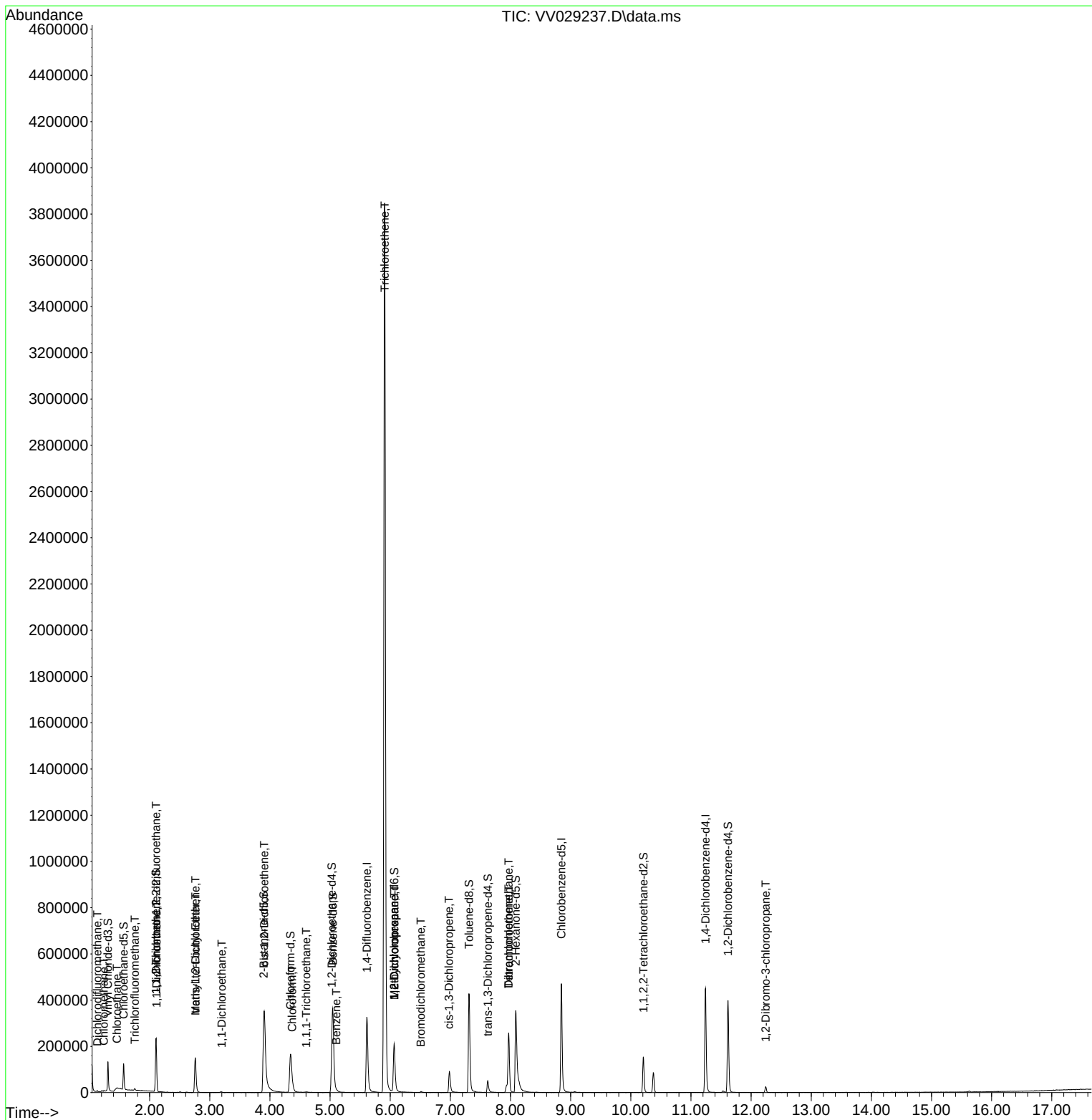
Instrument :
MSVOA_V
ClientSampleId :

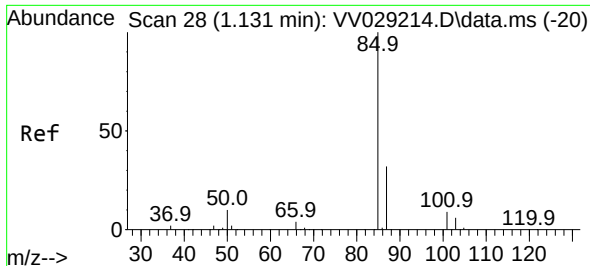
Quant Time: Nov 21 01:00:57 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Nov 21 00:54:18 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	7.969	129	56065	3.518	ug/L #	10
68) 1,2-Dibromo-3-chloropr...	12.242	75	661	0.379	ug/L #	2

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

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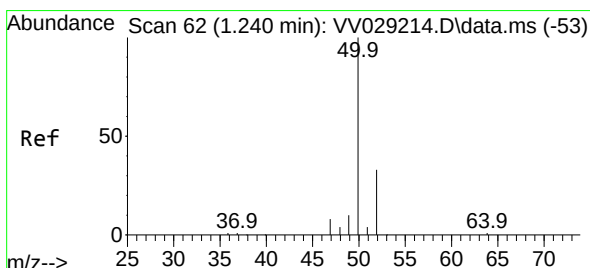
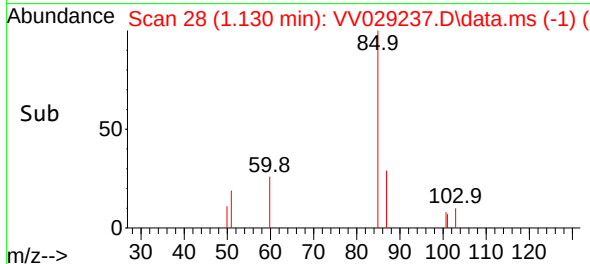
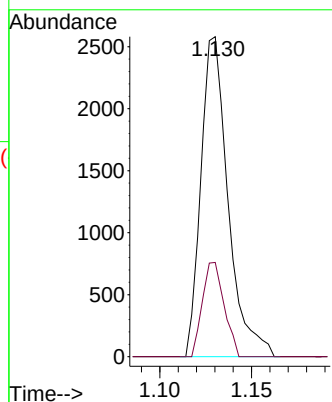
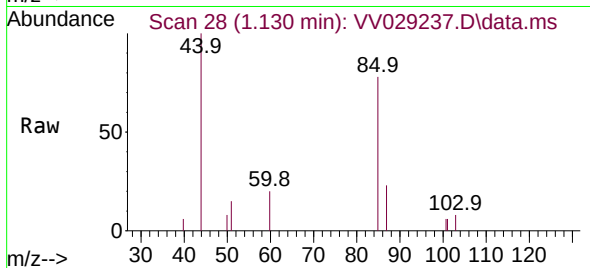




#2
 Dichlorodifluoromethane
 Concen: 0.103 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029237.D
 Acq: 20 Nov 2022 20:06

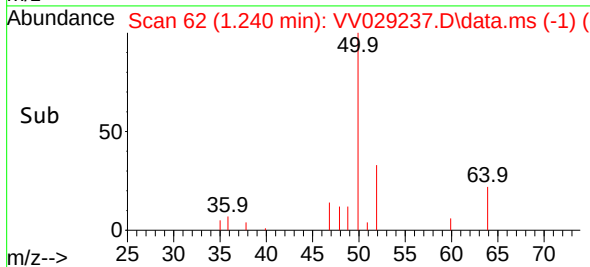
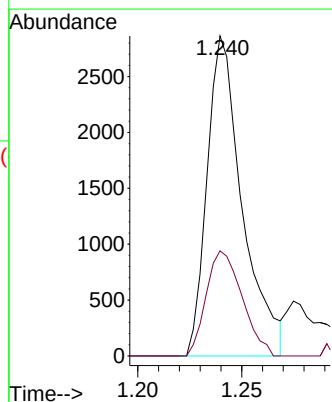
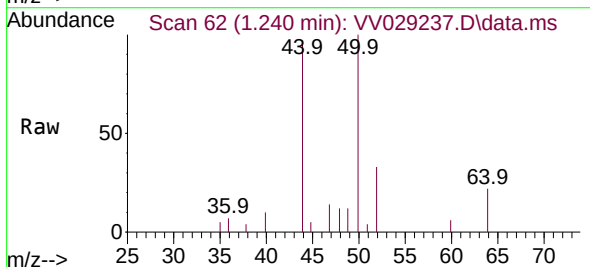
Instrument :
 MSVOA_V
 ClientSampleId :

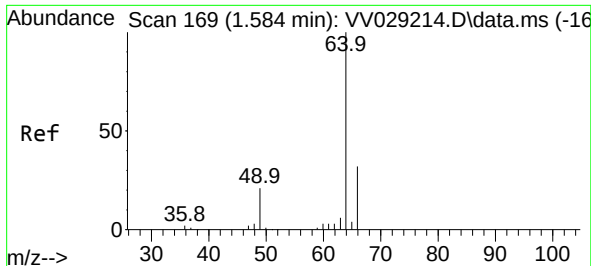
Tgt Ion: 85 Resp: 2662
 Ion Ratio Lower Upper
 85 100
 87 23.5 25.0 37.4#



#3
 Chloromethane
 Concen: 0.158 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029237.D
 Acq: 20 Nov 2022 20:06

Tgt Ion: 50 Resp: 3368
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.7 43.9

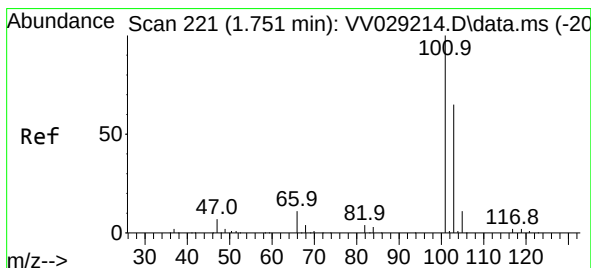
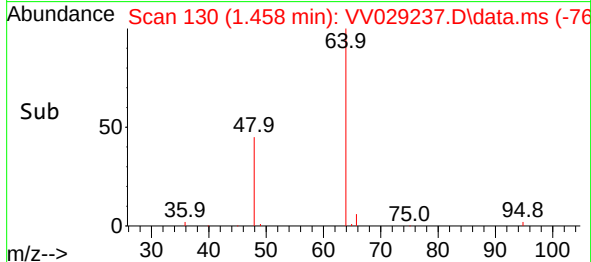
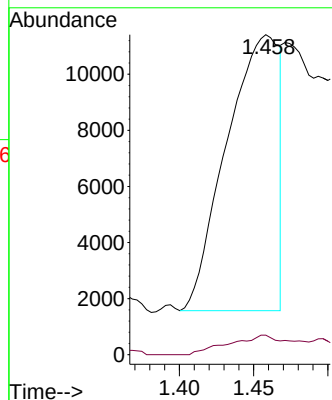
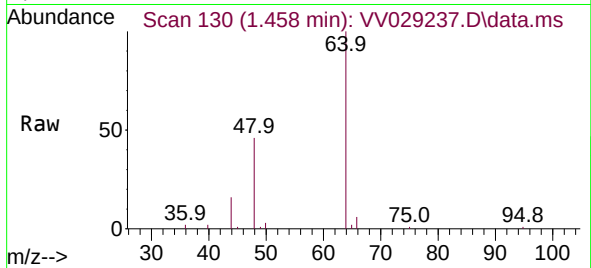




#8
Chloroethane
Concen: 1.696 ug/L
RT: 1.458 min Scan# 11
Delta R.T. -0.126 min
Lab File: VV029237.D
Acq: 20 Nov 2022 20:06

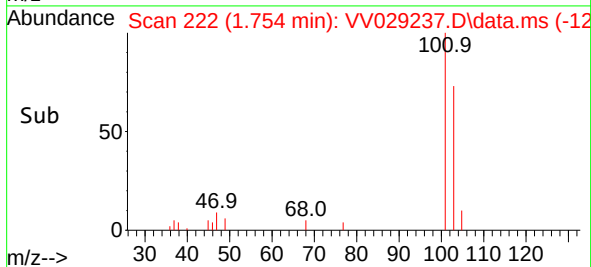
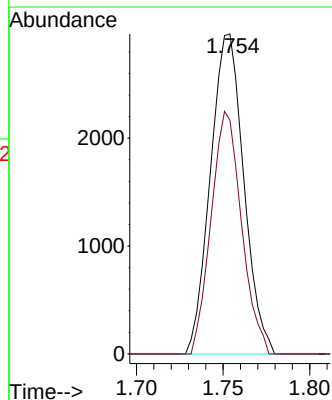
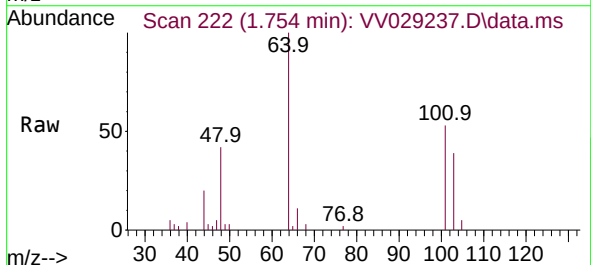
Instrument :
MSVOA_V
ClientSampleId :

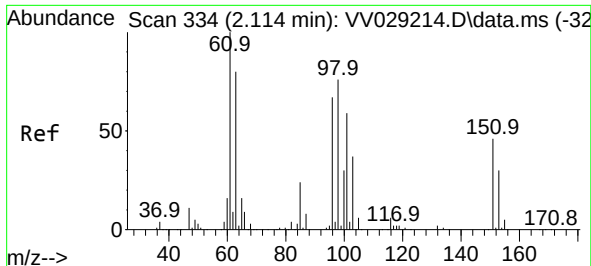
Tgt Ion: 64 Resp: 24277
Ion Ratio Lower Upper
64 100
66 6.1 22.0 40.8#



#9
Trichlorofluoromethane
Concen: 0.121 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.003 min
Lab File: VV029237.D
Acq: 20 Nov 2022 20:06

Tgt Ion:101 Resp: 3977
Ion Ratio Lower Upper
101 100
103 69.0 51.3 76.9

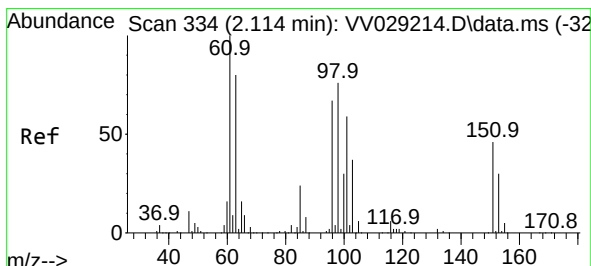
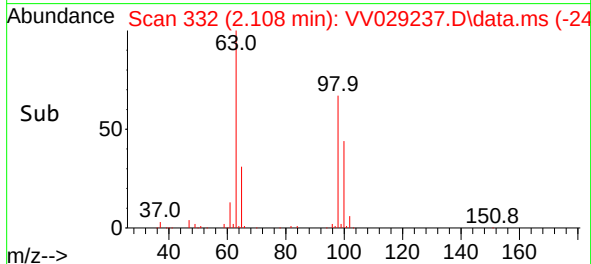
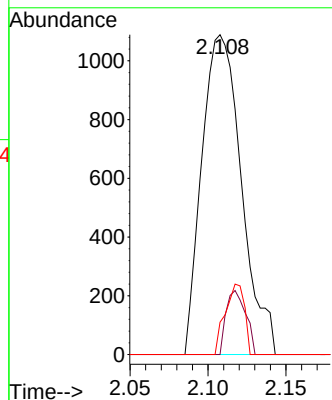
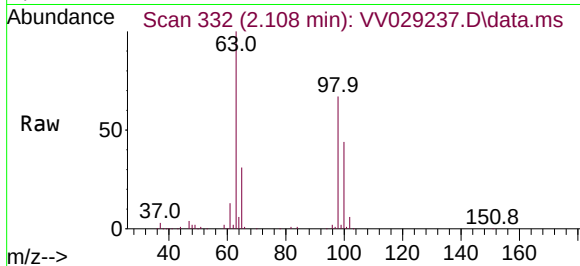




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.103 ug/L
 RT: 2.108 min Scan# 31
 Delta R.T. -0.007 min
 Lab File: VV029237.D
 Acq: 20 Nov 2022 20:06

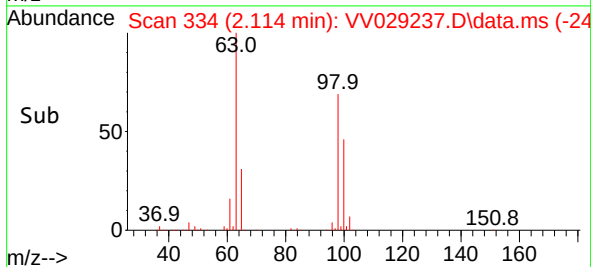
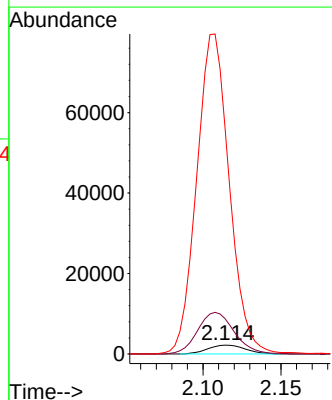
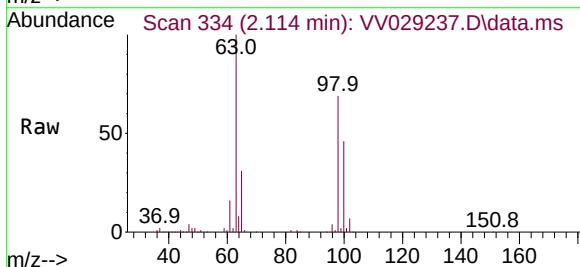
Instrument :
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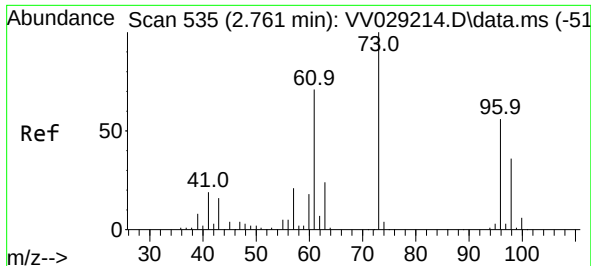
Tgt Ion:101 Resp: 1922
 Ion Ratio Lower Upper
 101 100
 85 9.9 32.9 49.3#
 151 10.7 62.5 93.7#



#12
 1,1-Dichloroethene
 Concen: 0.196 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.000 min
 Lab File: VV029237.D
 Acq: 20 Nov 2022 20:06

Tgt Ion: 96 Resp: 3668
 Ion Ratio Lower Upper
 96 100
 61 398.4 104.2 193.4#
 63 2556.8 75.9 140.9#

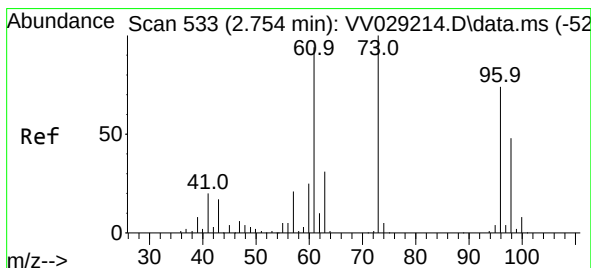
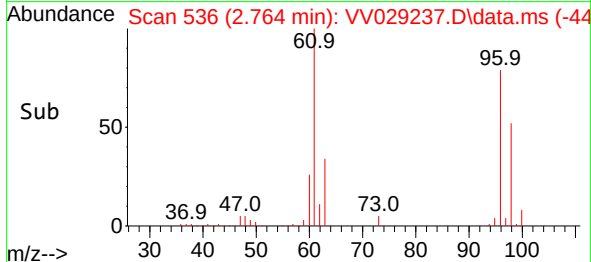
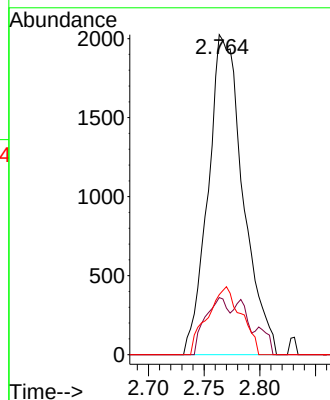
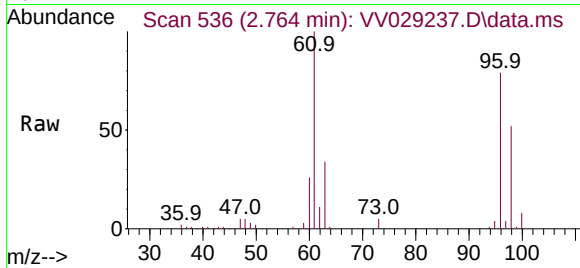




#17
Methyl tert-butyl Ether
Concen: 0.110 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV029237.D
Acq: 20 Nov 2022 20:06

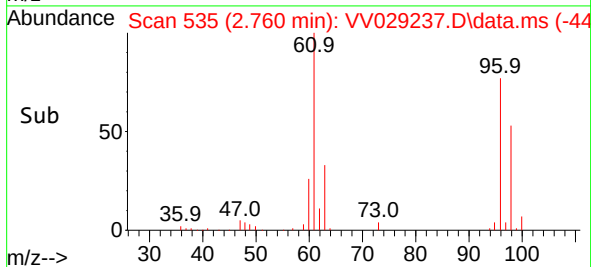
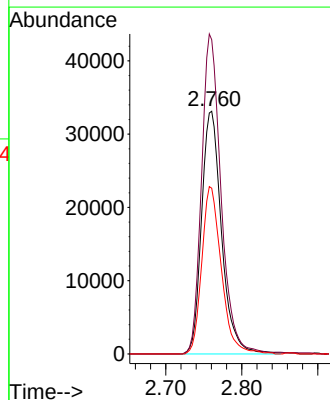
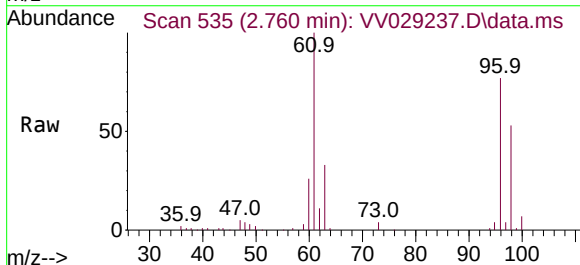
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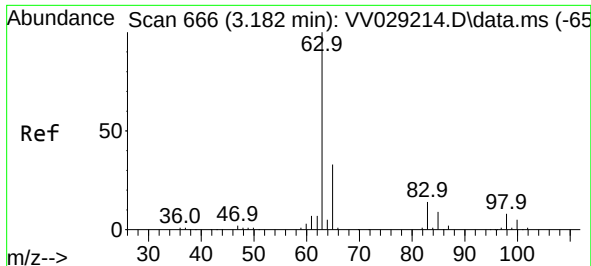
Tgt Ion: 73 Resp: 4402
Ion Ratio Lower Upper
73 100
43 11.9 13.0 19.4#
57 20.6 16.6 24.8



#18
trans-1,2-Dichloroethene
Concen: 2.793 ug/L
RT: 2.760 min Scan# 535
Delta R.T. 0.006 min
Lab File: VV029237.D
Acq: 20 Nov 2022 20:06

Tgt Ion: 96 Resp: 60532
Ion Ratio Lower Upper
96 100
61 129.5 91.8 170.6
98 68.3 46.4 86.2





#19

1,1-Dichloroethane

Concen: 0.082 ug/L

RT: 3.198 min Scan# 6

Delta R.T. 0.016 min

Lab File: VV029237.D

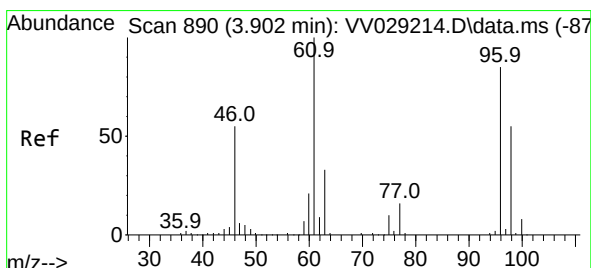
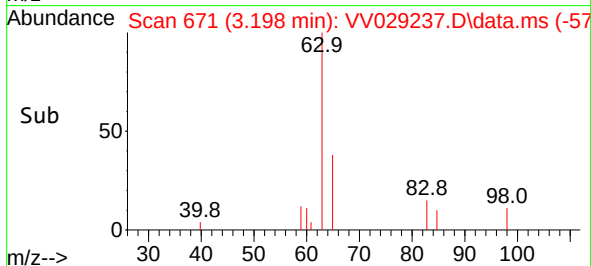
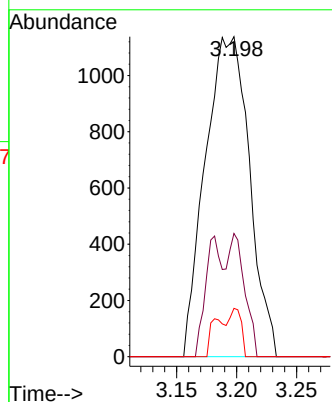
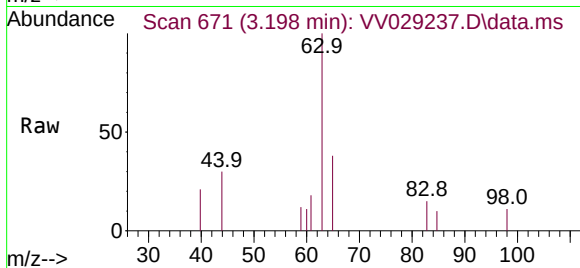
Acq: 20 Nov 2022 20:06

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	63	Resp:	2916
Ion	Ratio	Lower	Upper
63	100		
65	38.5	23.0	42.6
83	15.1	9.4	17.6



#22

cis-1,2-Dichloroethene

Concen: 7.476 ug/L

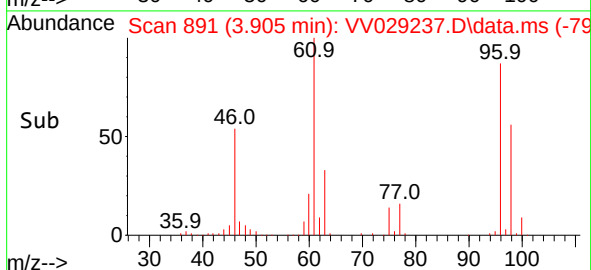
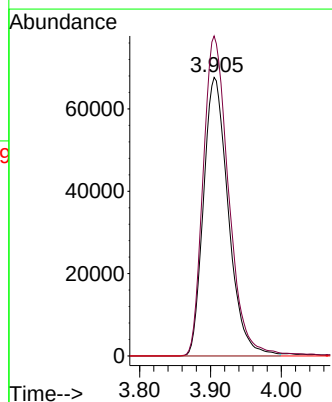
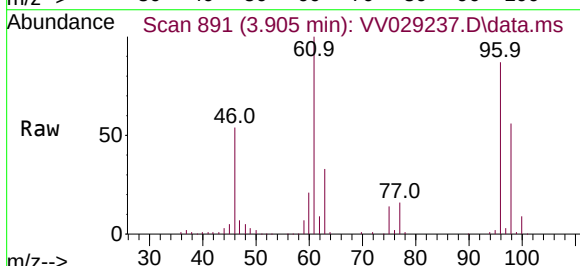
RT: 3.905 min Scan# 891

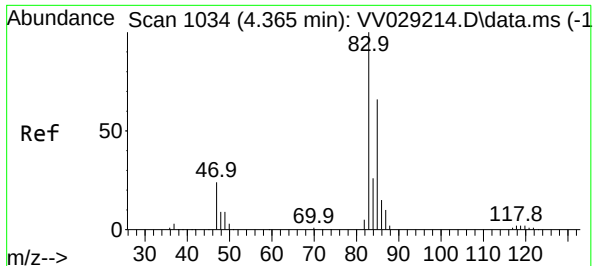
Delta R.T. 0.003 min

Lab File: VV029237.D

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Tgt Ion:	96	Resp:	164700
Ion	Ratio	Lower	Upper
96	100		
61	114.9	82.3	152.9
68	0.0	0.0	0.0





#25

Chloroform

Concen: 0.702 ug/L

RT: 4.371 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VV029237.D

Acq: 20 Nov 2022 20:06

Instrument :

MSVOA_V

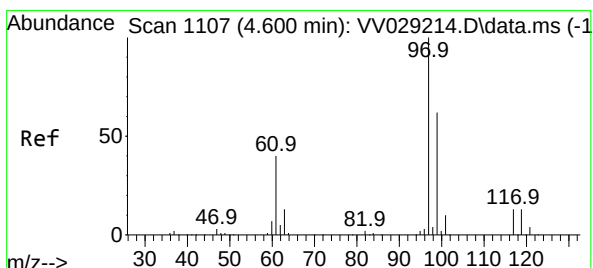
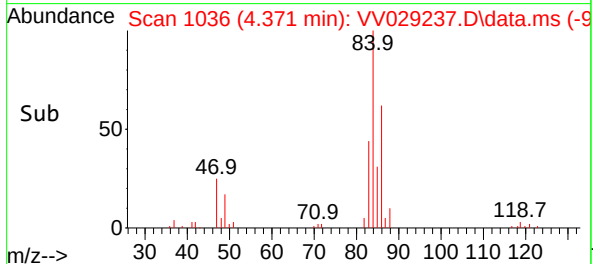
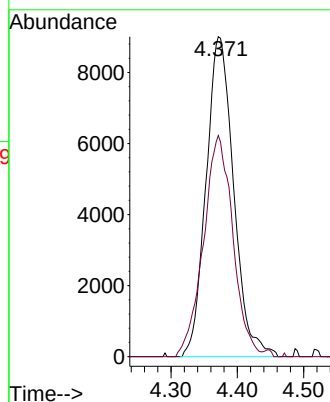
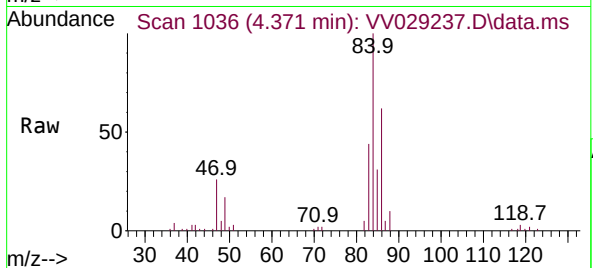
ClientSampleId :

Tgt Ion: 83 Resp: 26057

Ion Ratio Lower Upper

83 100

85 69.1 43.7 81.1



#29

1,1,1-Trichloroethane

Concen: 0.048 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VV029237.D

Acq: 20 Nov 2022 20:06

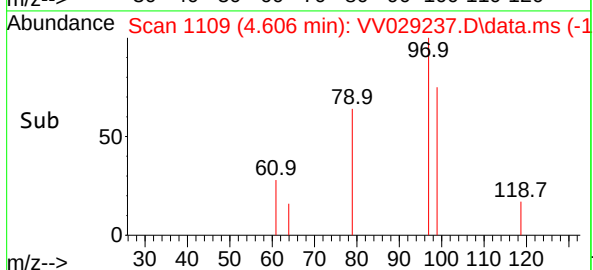
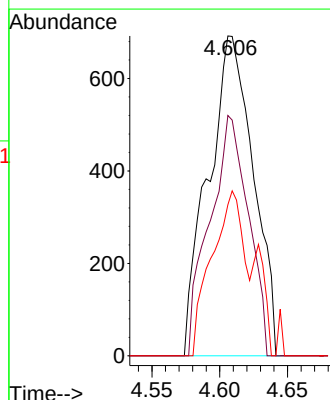
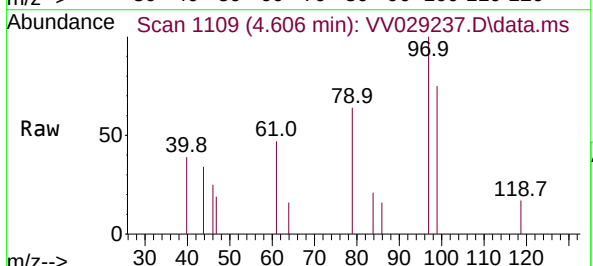
Tgt Ion: 97 Resp: 1604

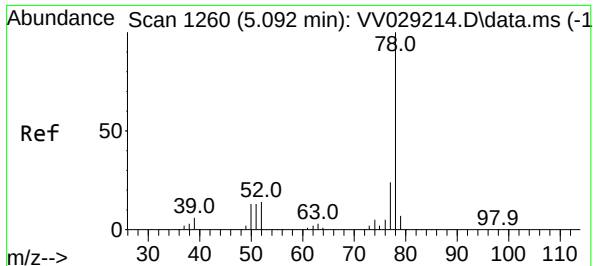
Ion Ratio Lower Upper

97 100

99 64.2 52.7 79.1

61 37.0 33.8 50.6

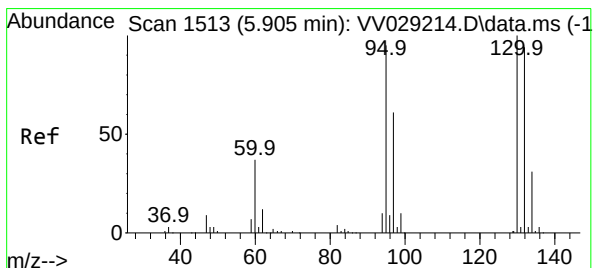
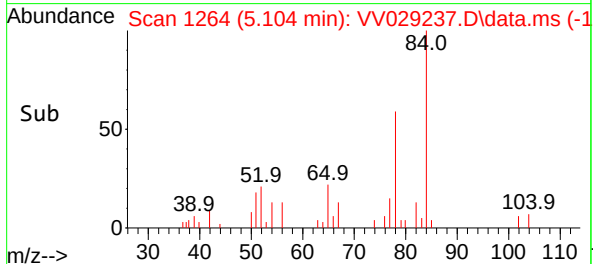
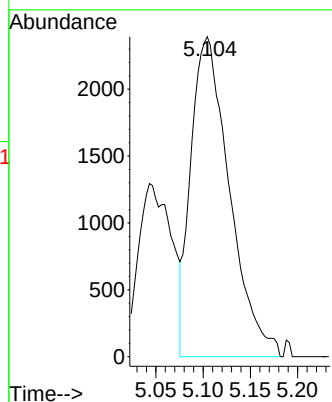
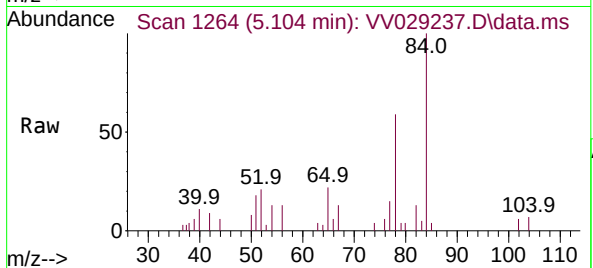




#33
Benzene
Concen: 0.078 ug/L
RT: 5.104 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV029237.D
Acq: 20 Nov 2022 20:06

Instrument :
MSVOA_V
ClientSampleId :

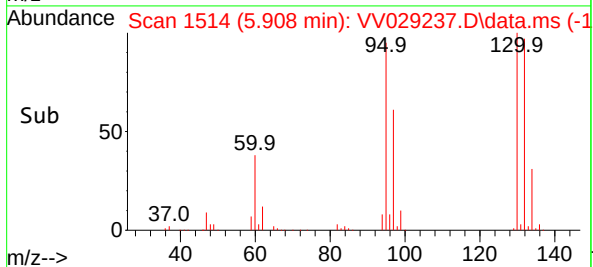
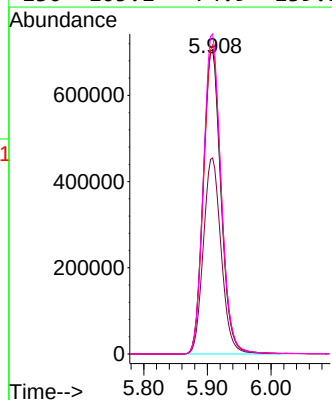
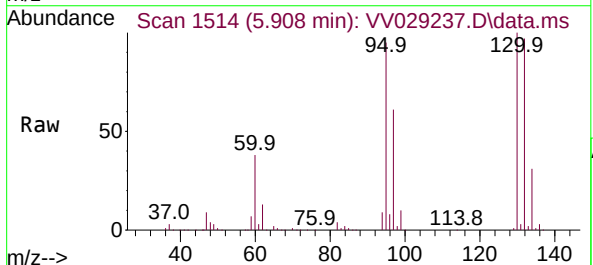
Tgt Ion: 78 Resp: 6778

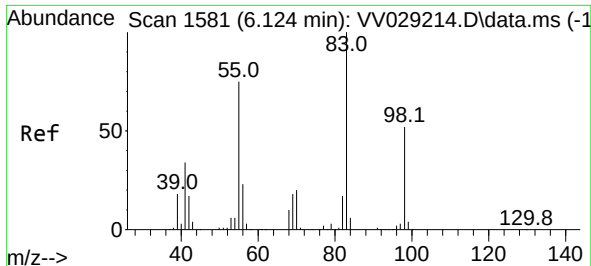


#34
Trichloroethene
Concen: 61.208 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.003 min
Lab File: VV029237.D
Acq: 20 Nov 2022 20:06

Tgt Ion: 95 Resp: 1368332

Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.6	84.8
132	101.5	69.1	128.3
130	105.1	74.9	139.1

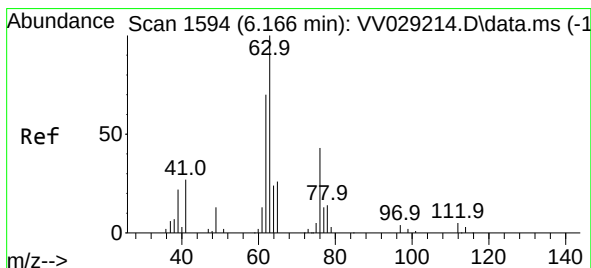
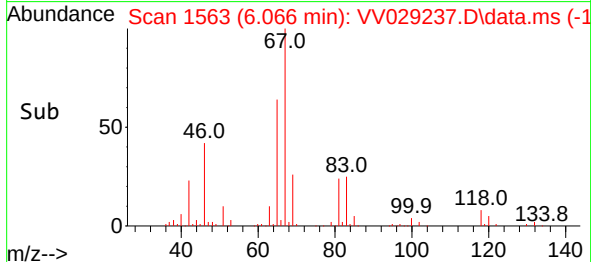
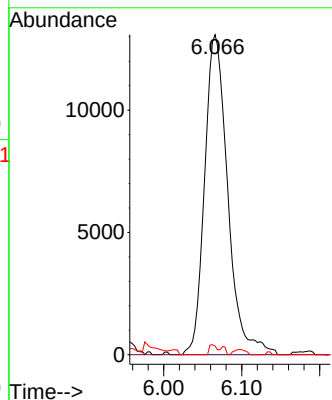
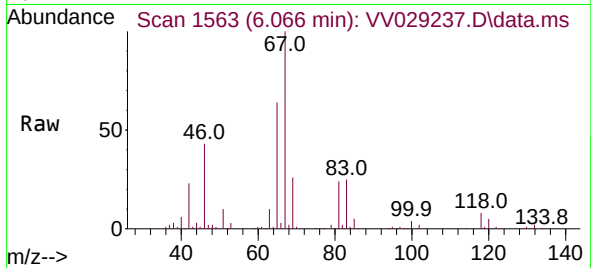




#35
Methylcyclohexane
Concen: 0.687 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.058 min
Lab File: VV029237.D
Acq: 20 Nov 2022 20:06

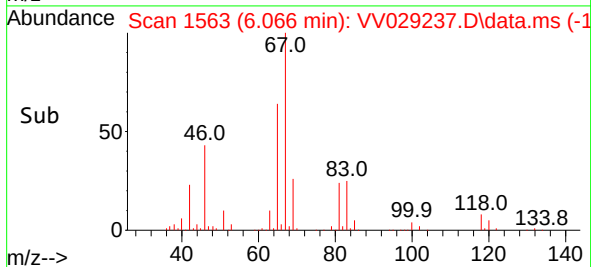
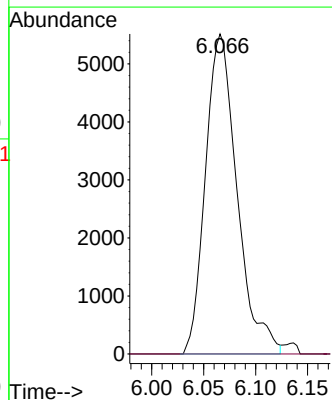
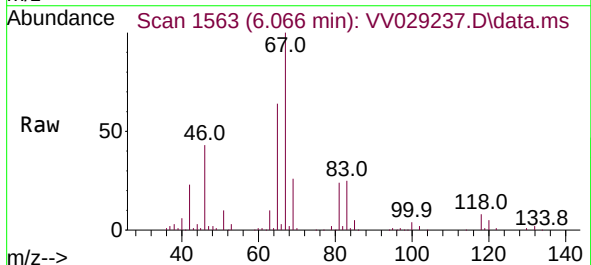
Instrument :
MSVOA_V
ClientSampleId :

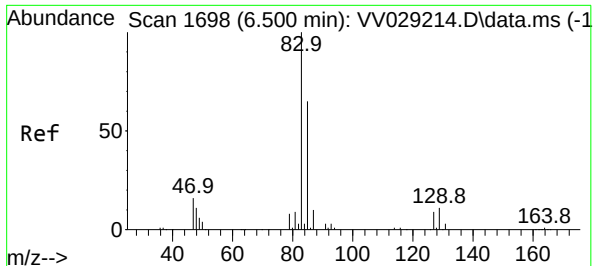
Tgt Ion: 83 Resp: 27007
Ion Ratio Lower Upper
83 100
55 0.0 55.8 83.6#
98 0.0 38.2 57.2#



#37
1,2-Dichloropropane
Concen: 0.579 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.100 min
Lab File: VV029237.D
Acq: 20 Nov 2022 20:06

Tgt Ion: 63 Resp: 11667
Ion Ratio Lower Upper
63 100
112 0.5 4.0 6.0#





#38

Bromodichloromethane

Concen: 0.120 ug/L

RT: 6.509 min Scan# 1

Delta R.T. 0.009 min

Lab File: VV029237.D

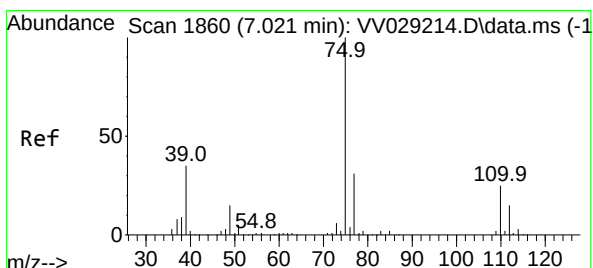
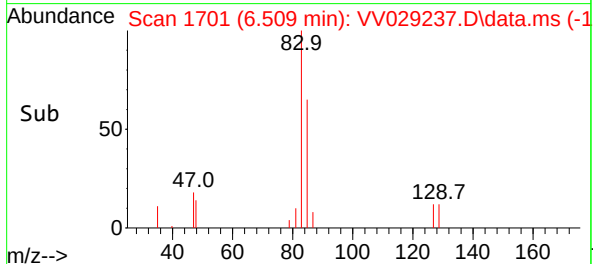
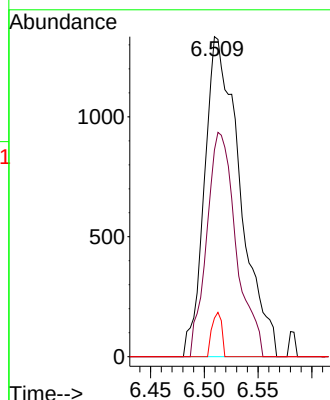
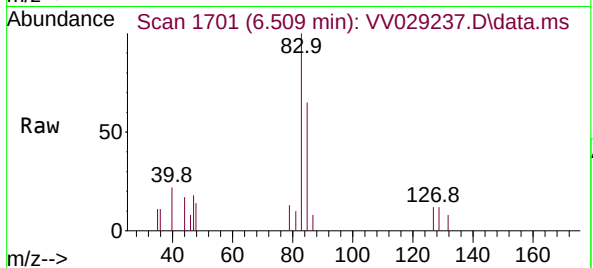
Acq: 20 Nov 2022 20:06

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	3070
Ion	Ratio	Lower	Upper
83	100		
85	64.6	46.1	85.5
127	12.1	6.7	10.1#



#39

cis-1,3-Dichloropropene

Concen: 0.082 ug/L

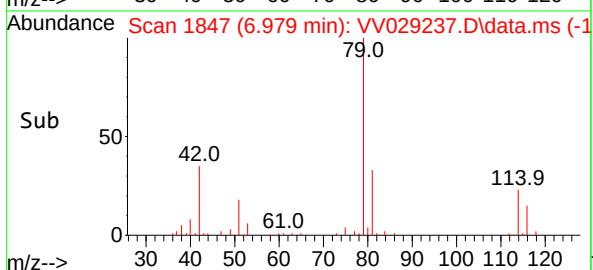
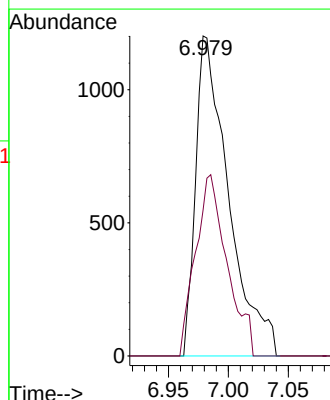
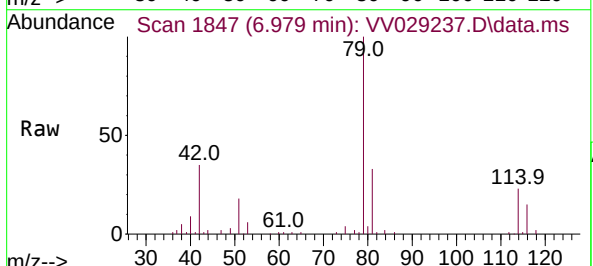
RT: 6.979 min Scan# 1847

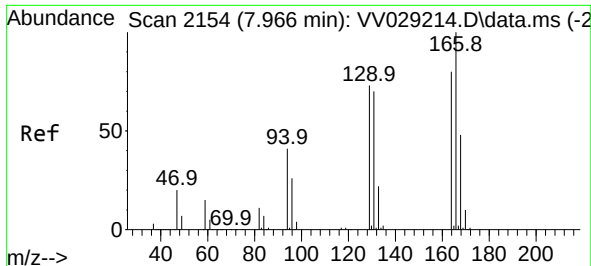
Delta R.T. -0.042 min

Lab File: VV029237.D

Acq: 20 Nov 2022 20:06

Tgt Ion:	75	Resp:	2298
Ion	Ratio	Lower	Upper
75	100		
77	45.6	21.8	40.6#





#47

Tetrachloroethene

Concen: 3.496 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.003 min

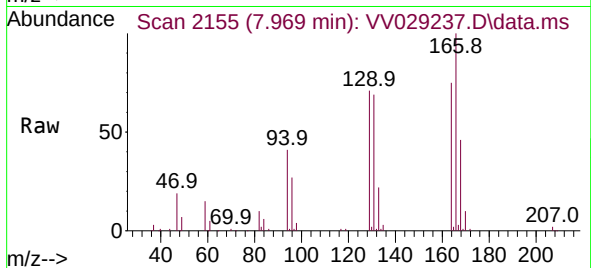
Lab File: VV029237.D

Acq: 20 Nov 2022 20:06

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 62573

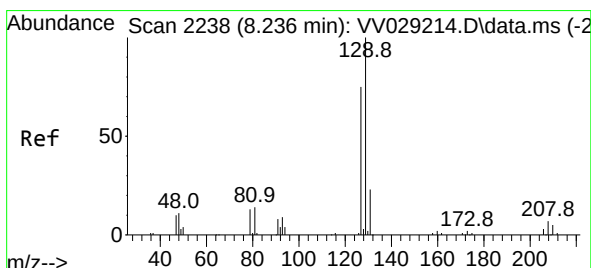
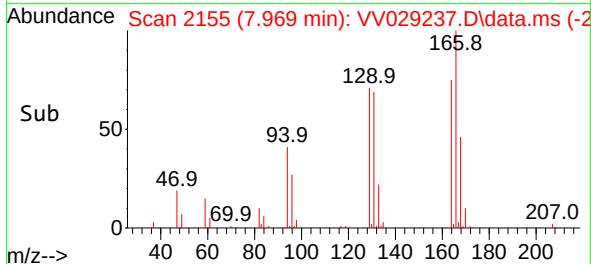
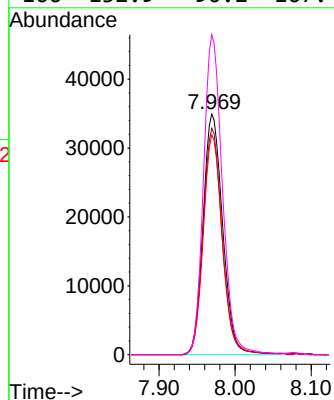
Ion Ratio Lower Upper

164 100

129 94.0 63.9 118.7

131 91.2 61.8 114.8

166 132.9 90.2 167.4



#49

Dibromochloromethane

Concen: 3.518 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.267 min

Lab File: VV029237.D

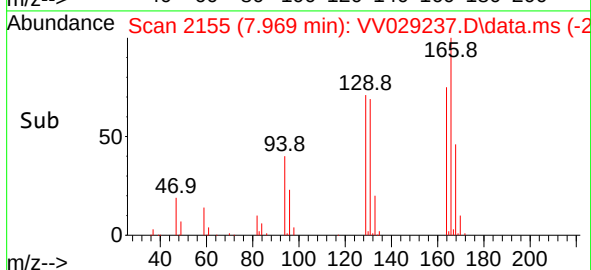
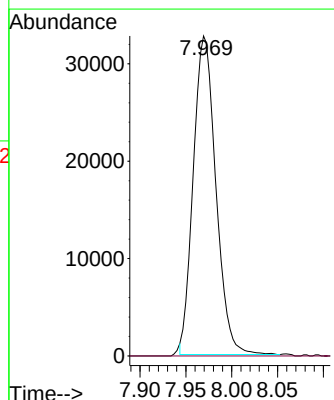
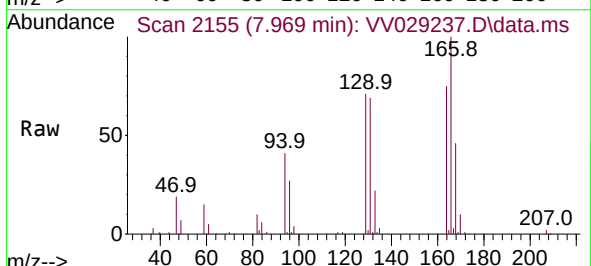
Acq: 20 Nov 2022 20:06

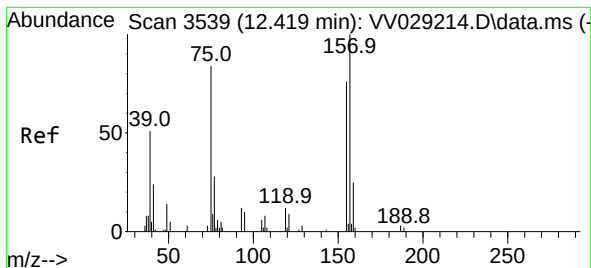
Tgt Ion:129 Resp: 56065

Ion Ratio Lower Upper

129 100

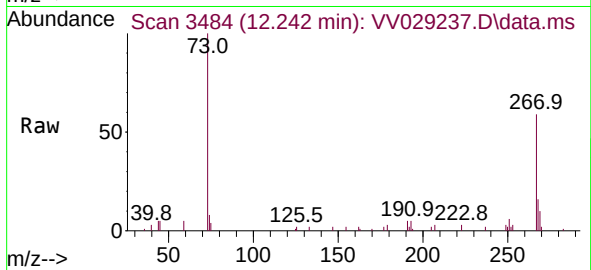
127 0.0 54.5 101.1#





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.379 ug/L
 RT: 12.242 min Scan# 34
 Delta R.T. -0.177 min
 Lab File: VV029237.D
 Acq: 20 Nov 2022 20:06

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 661
 Ion Ratio Lower Upper
 75 100
 155 0.0 64.8 97.2#
 157 0.0 86.3 129.5#

