

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112022\
 Data File : VW029224.D
 Acq On : 20 Nov 2022 14:48
 Operator : SY/MD
 Sample : N5652-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 00:57:46 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	327288	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	300951	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	135222	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	100563	5.040	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	100.800%	
7) Chloroethane-d5	1.568	69	84198	4.800	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	96.000%	
11) 1,1-Dichloroethene-d2	2.108	63	146575	4.031	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	80.600%	
20) 2-Butanone-d5	3.892	46	200051	59.894	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	119.780%	
24) Chloroform-d	4.342	84	190926	4.661	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	93.200%	
26) 1,2-Dichloroethane-d4	5.027	65	89114	4.835	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.600%	
32) Benzene-d6	5.046	84	402332	4.479	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	89.600%	
36) 1,2-Dichloropropane-d6	6.066	67	117715	4.693	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	93.800%	
41) Toluene-d8	7.310	98	349718	4.325	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	86.400%	
43) trans-1,3-Dichloroprop...	7.622	79	36348	4.443	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	88.800%	
46) 2-Hexanone-d5	8.088	63	166765	47.755	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	95.520%	
56) 1,1,2,2-Tetrachloroeth...	10.207	84	85192	4.899	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	98.000%	
66) 1,2-Dichlorobenzene-d4	11.615	152	127708	5.279	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	105.600%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	3886	0.172	ug/L	96
8) Chloroethane	1.452	64	31051	2.046	ug/L #	55
9) Trichlorofluoromethane	1.751	101	3721023	106.848	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	52216	2.648	ug/L	100
12) 1,1-Dichloroethene	2.117	96	32838	1.657	ug/L #	33
16) Methylene chloride	2.506	84	6355	0.248	ug/L	93
17) Methyl tert-butyl Ether	2.764	73	380362	8.954	ug/L	98
19) 1,1-Dichloroethane	3.185	63	233169	6.207	ug/L	99
22) cis-1,2-Dichloroethene	3.911	96	9920	0.425	ug/L	90
25) Chloroform	4.371	83	16884	0.429	ug/L	94
27) 1,2-Dichloroethane	5.140	62	4284	0.211	ug/L #	91
29) 1,1,1-Trichloroethane	4.606	97	16706	0.473	ug/L	98
31) Carbon tetrachloride	4.828	117	1969	0.065	ug/L	96
34) Trichloroethene	5.911	95	95180	4.043	ug/L	97
35) Methylcyclohexane	6.066	83	28704	0.694	ug/L #	22
37) 1,2-Dichloropropane	6.063	63	12511	0.590	ug/L #	85
39) cis-1,3-Dichloropropene	6.985	75	2467	0.083	ug/L #	57
47) Tetrachloroethene	7.972	164	3380	0.179	ug/L	88
49) Dibromochloromethane	7.976	129	3175	0.189	ug/L #	10

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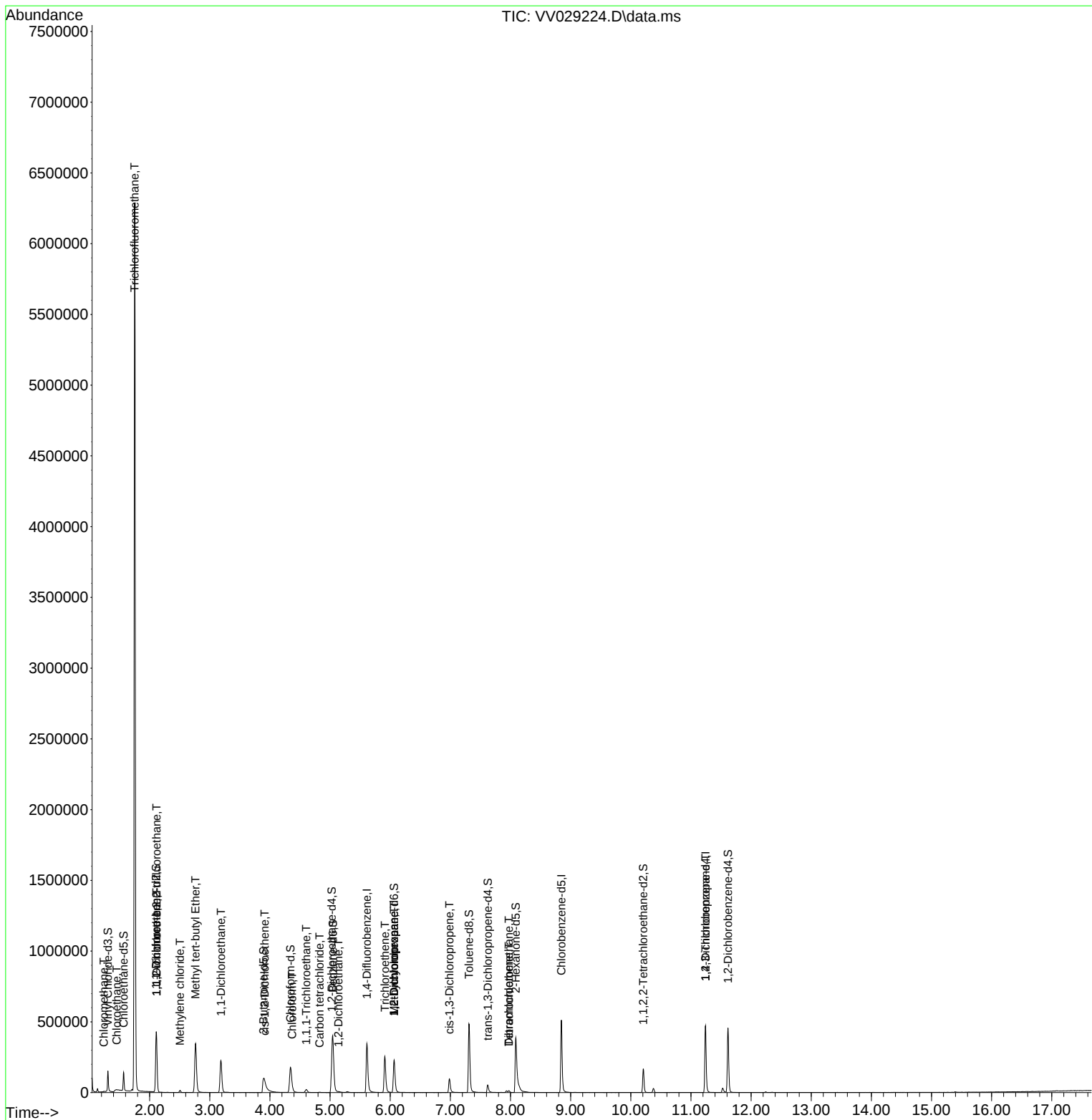
Instrument :
MSVOA_V
ClientSampleId :

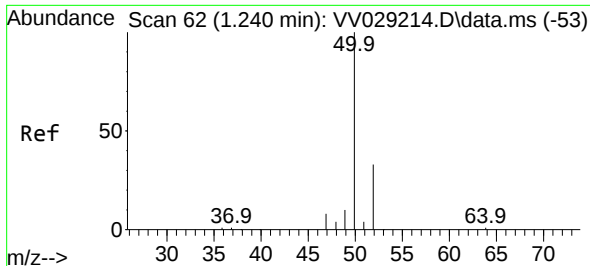
Quant Time: Nov 21 00:57:46 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Nov 21 00:54:18 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.242	75	14535	1.573	ug/L	# 64

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

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Quant Title : TRACE VOA SFAM1.0
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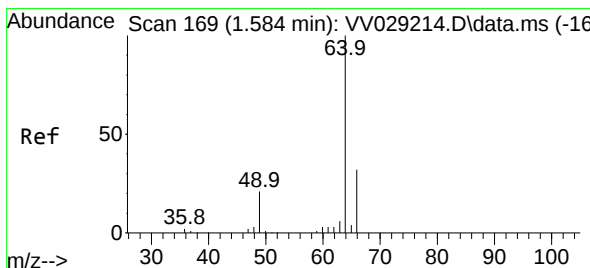
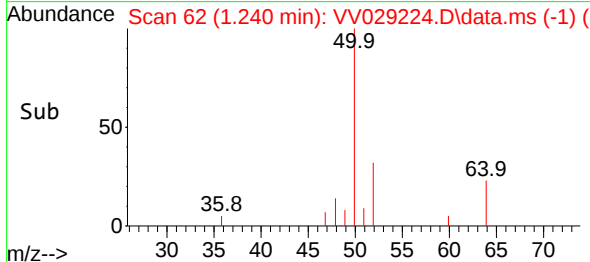
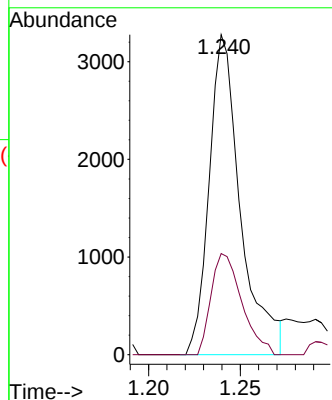
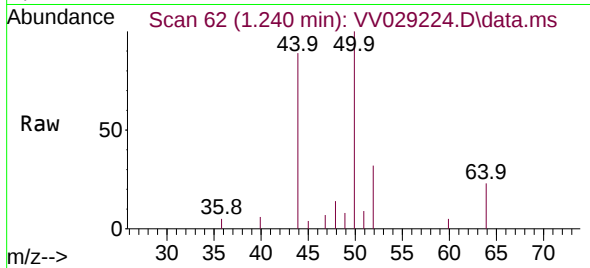




#3
Chloromethane
Concen: 0.172 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV029224.D
Acq: 20 Nov 2022 14:48

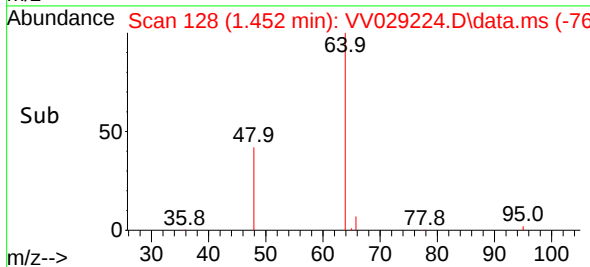
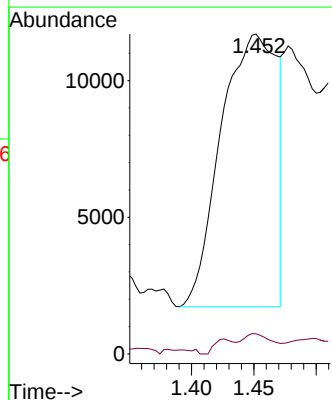
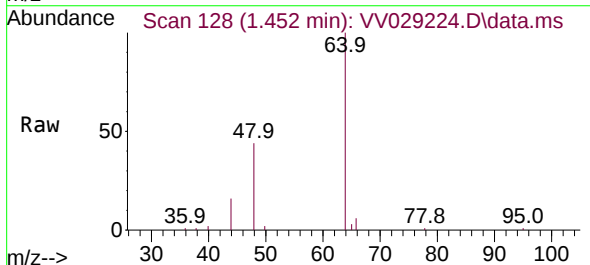
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MSVOA_V
ClientSampleId :

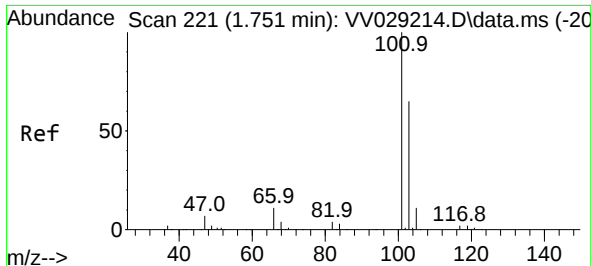
Tgt Ion: 50 Resp: 3886
Ion Ratio Lower Upper
50 100
52 31.6 23.7 43.9



#8
Chloroethane
Concen: 2.046 ug/L
RT: 1.452 min Scan# 128
Delta R.T. -0.132 min
Lab File: VV029224.D
Acq: 20 Nov 2022 14:48

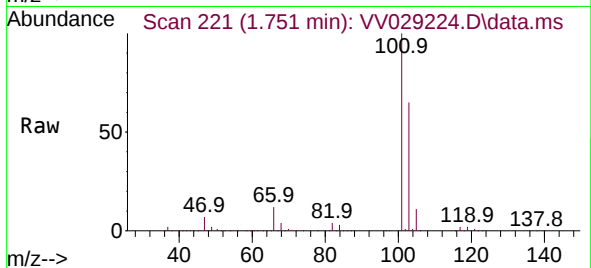
Tgt Ion: 64 Resp: 31051
Ion Ratio Lower Upper
64 100
66 6.3 22.0 40.8#



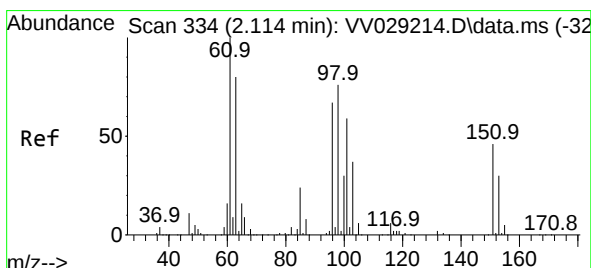
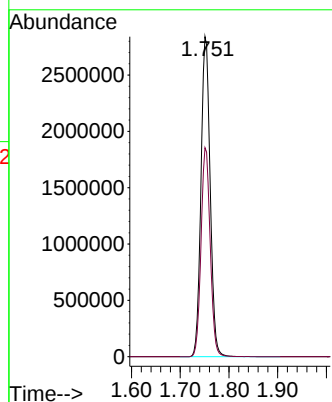
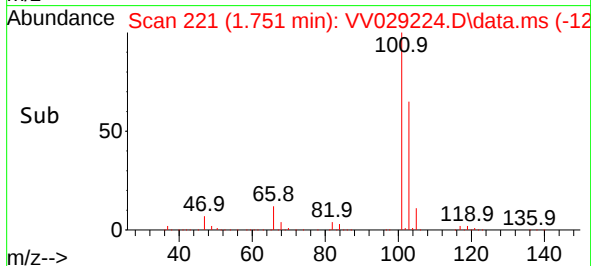


#9
 Trichlorofluoromethane
 Concen: 106.848 ug/L
 RT: 1.751 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029224.D
 Acq: 20 Nov 2022 14:48

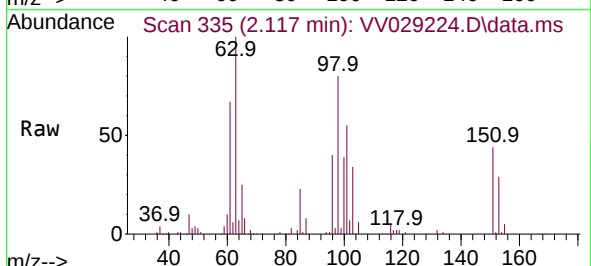
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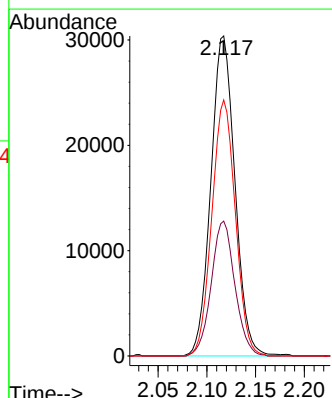
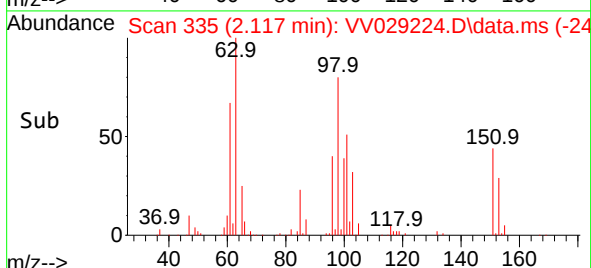
Tgt Ion:101 Resp: 3721023
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.3 76.9

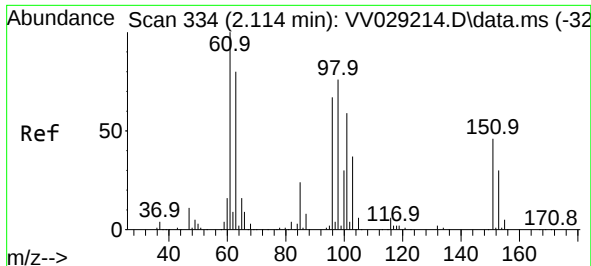


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.648 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. 0.003 min
 Lab File: VV029224.D
 Acq: 20 Nov 2022 14:48



Tgt Ion:101 Resp: 52216
 Ion Ratio Lower Upper
 101 100
 85 41.3 32.9 49.3
 151 78.0 62.5 93.7





#12

1,1-Dichloroethene

Concen: 1.657 ug/L

RT: 2.117 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV029224.D

Acq: 20 Nov 2022 14:48

Instrument :

MSVOA_V

ClientSampleId :

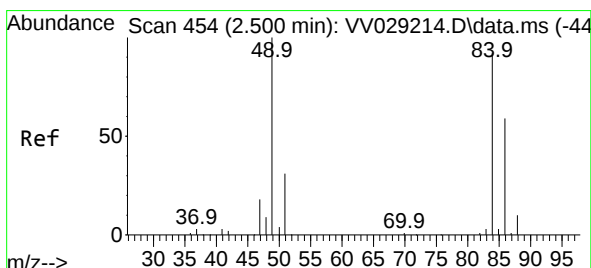
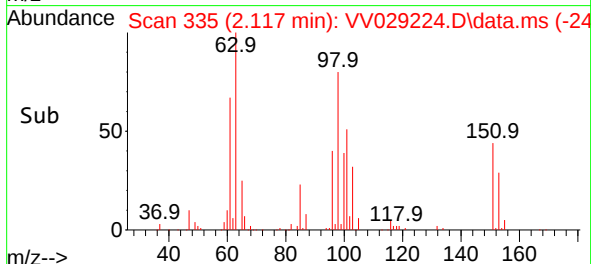
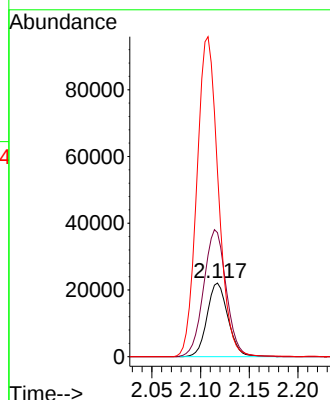
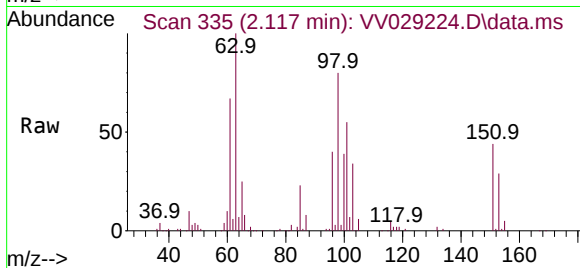
Tgt Ion: 96 Resp: 32838

Ion Ratio Lower Upper

96 100

61 168.6 104.2 193.4

63 251.8 75.9 140.9#



#16

Methylene chloride

Concen: 0.248 ug/L

RT: 2.506 min Scan# 456

Delta R.T. 0.006 min

Lab File: VV029224.D

Acq: 20 Nov 2022 14:48

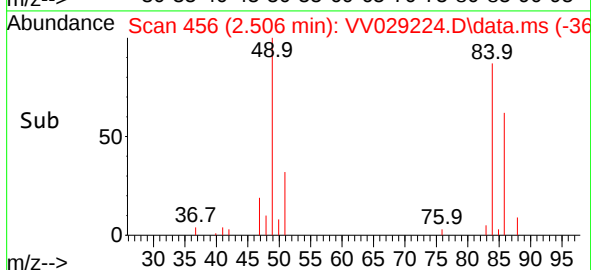
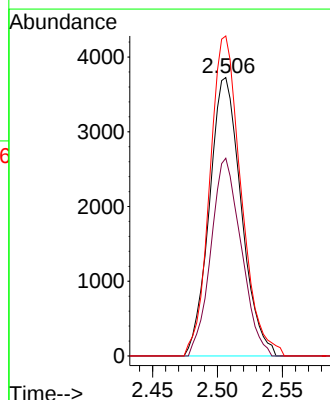
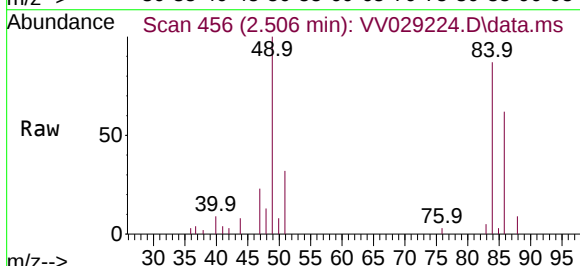
Tgt Ion: 84 Resp: 6355

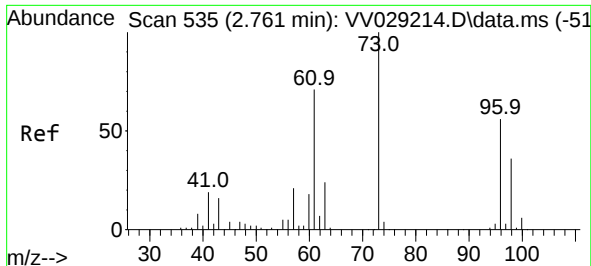
Ion Ratio Lower Upper

84 100

86 71.1 45.8 85.0

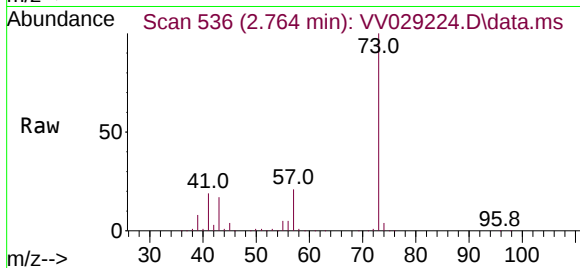
49 115.0 75.5 140.1



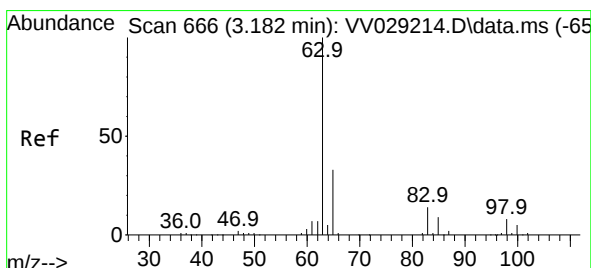
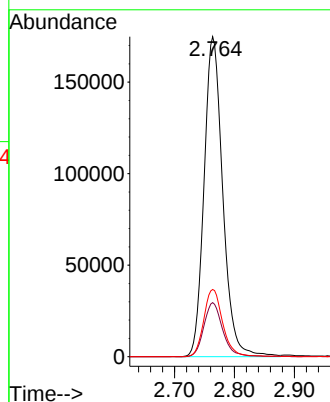
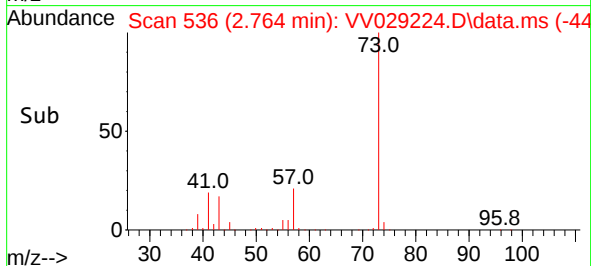


#17
Methyl tert-butyl Ether
Concen: 8.954 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV029224.D
Acq: 20 Nov 2022 14:48

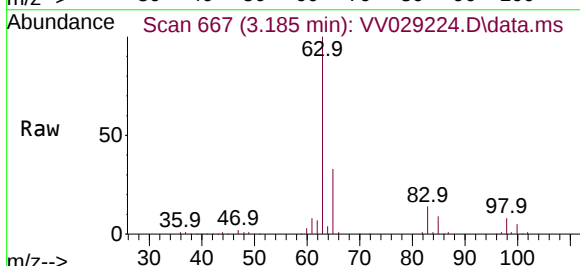
Instrument :
MSVOA_V
ClientSampleId :



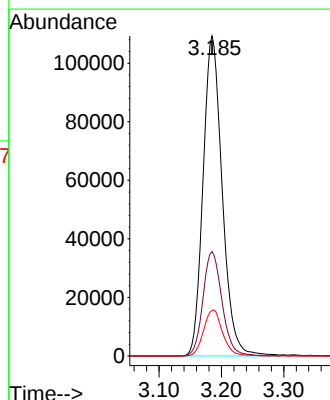
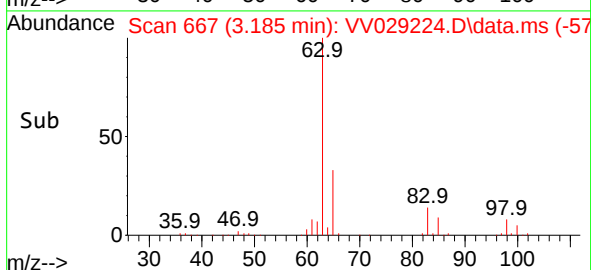
Tgt Ion: 73 Resp: 380362
Ion Ratio Lower Upper
73 100
43 17.0 13.0 19.4
57 21.3 16.6 24.8

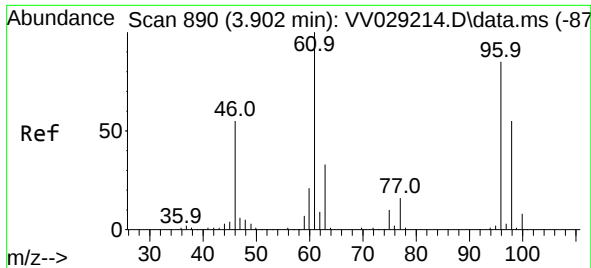


#19
1,1-Dichloroethane
Concen: 6.207 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.003 min
Lab File: VV029224.D
Acq: 20 Nov 2022 14:48



Tgt Ion: 63 Resp: 233169
Ion Ratio Lower Upper
63 100
65 32.6 23.0 42.6
83 14.3 9.4 17.6

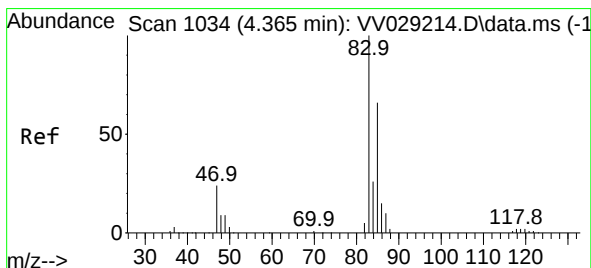
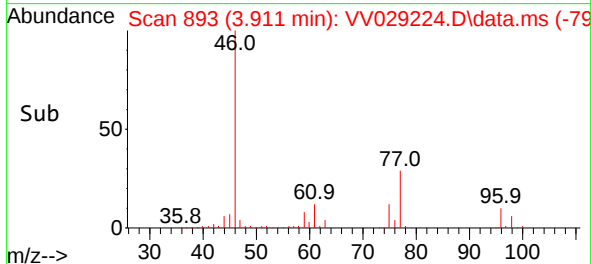
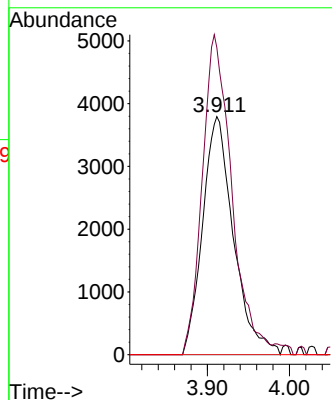
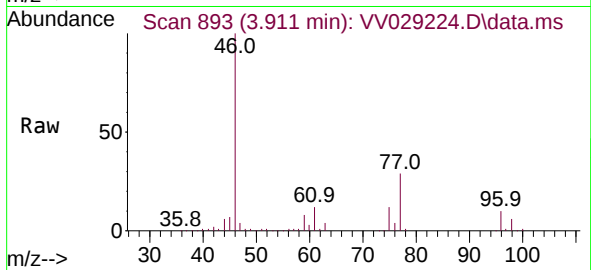




#22
 cis-1,2-Dichloroethene
 Concen: 0.425 ug/L
 RT: 3.911 min Scan# 891
 Delta R.T. 0.009 min
 Lab File: VV029224.D
 Acq: 20 Nov 2022 14:48

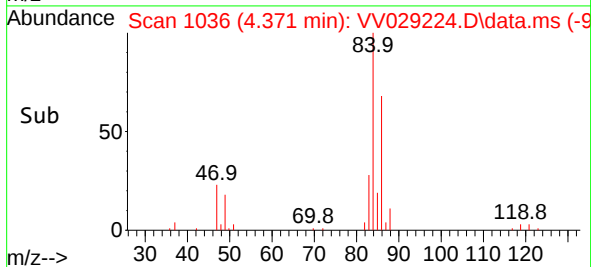
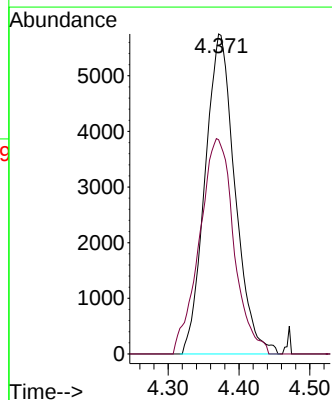
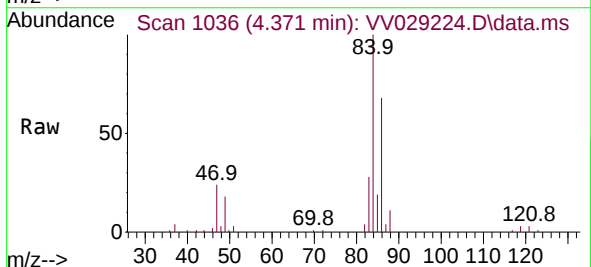
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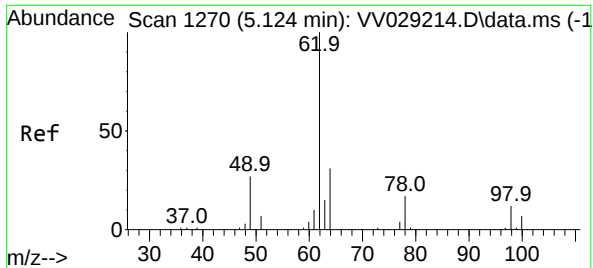
Tgt Ion: 96 Resp: 9920
 Ion Ratio Lower Upper
 96 100
 61 128.9 82.3 152.9
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.429 ug/L
 RT: 4.371 min Scan# 1036
 Delta R.T. 0.006 min
 Lab File: VV029224.D
 Acq: 20 Nov 2022 14:48

Tgt Ion: 83 Resp: 16884
 Ion Ratio Lower Upper
 83 100
 85 67.0 43.7 81.1

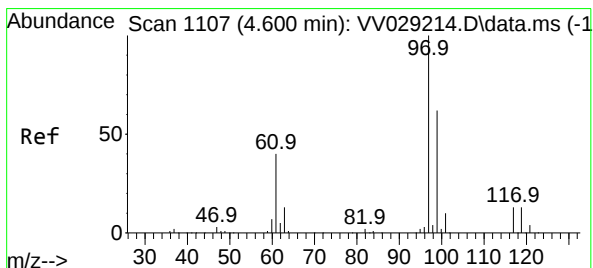
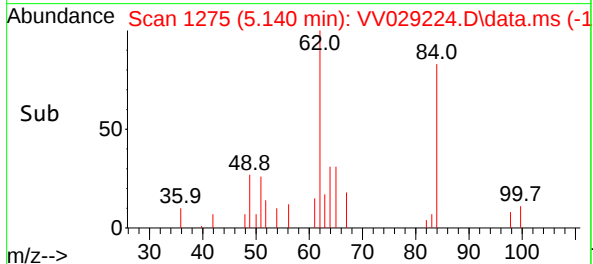
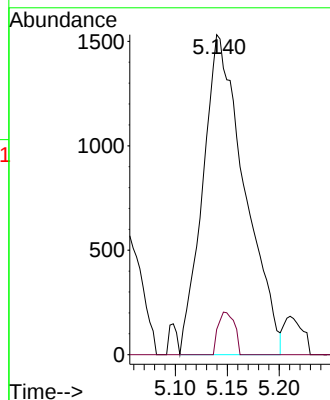
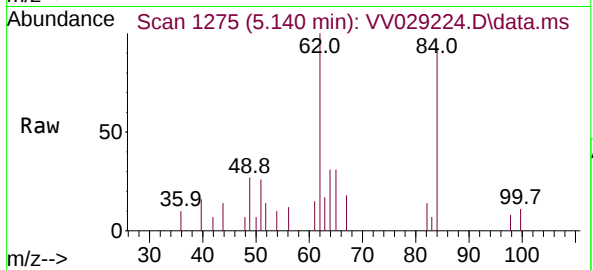




#27
1,2-Dichloroethane
Concen: 0.211 ug/L
RT: 5.140 min Scan# 1109
Delta R.T. 0.016 min
Lab File: VV029224.D
Acq: 20 Nov 2022 14:48

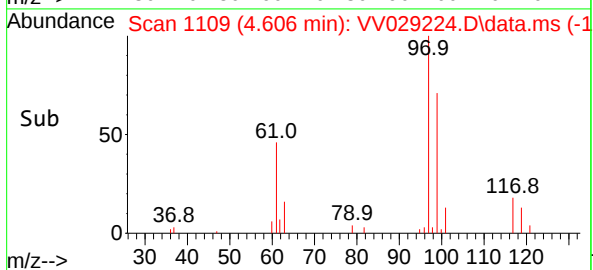
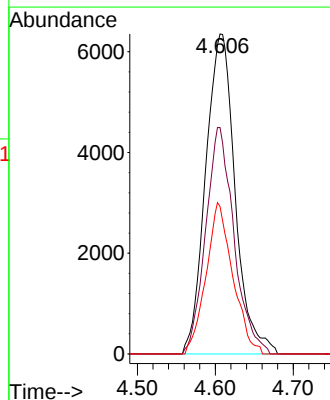
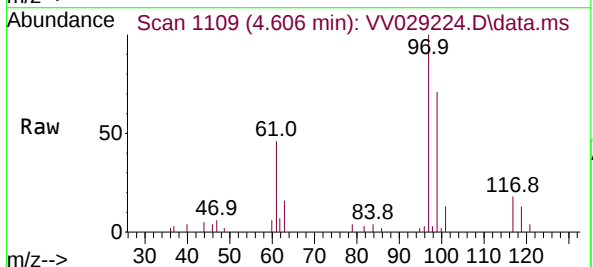
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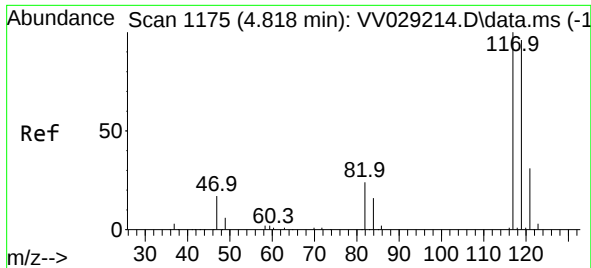
Tgt Ion: 62 Resp: 4284
Ion Ratio Lower Upper
62 100
98 7.9 9.0 13.6#



#29
1,1,1-Trichloroethane
Concen: 0.473 ug/L
RT: 4.606 min Scan# 1109
Delta R.T. 0.006 min
Lab File: VV029224.D
Acq: 20 Nov 2022 14:48

Tgt Ion: 97 Resp: 16706
Ion Ratio Lower Upper
97 100
99 68.1 52.7 79.1
61 42.9 33.8 50.6

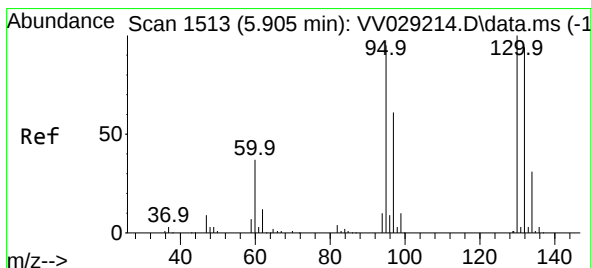
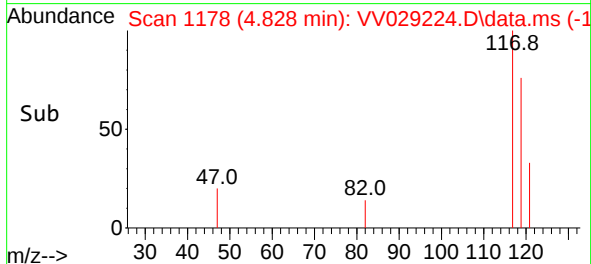
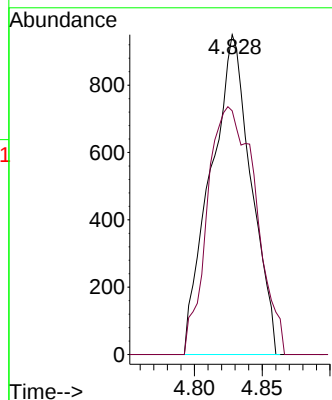
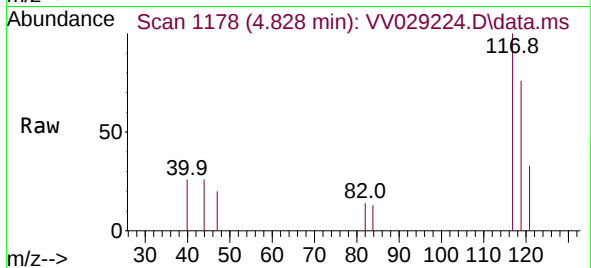




#31
Carbon tetrachloride
Concen: 0.065 ug/L
RT: 4.828 min Scan# 1175
Delta R.T. 0.009 min
Lab File: VV029224.D
Acq: 20 Nov 2022 14:48

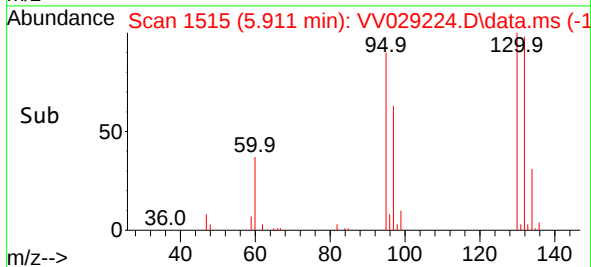
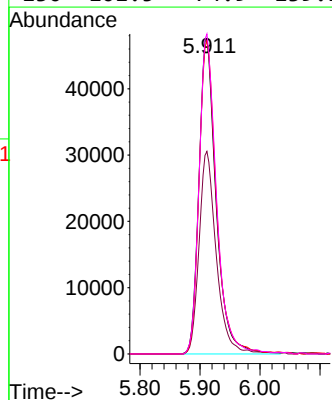
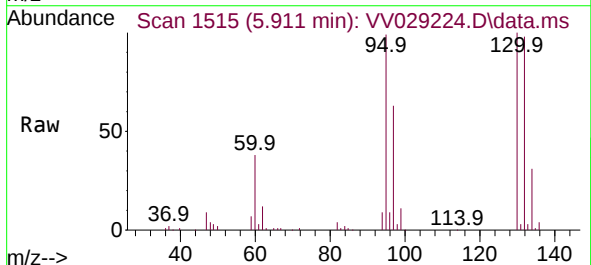
Instrument :
MSVOA_V
ClientSampleId :

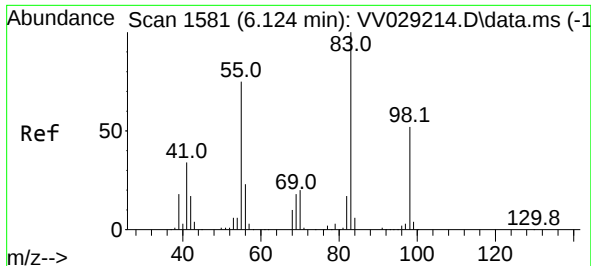
Tgt Ion:117 Resp: 1969
Ion Ratio Lower Upper
117 100
119 92.6 77.0 115.6



#34
Trichloroethene
Concen: 4.043 ug/L
RT: 5.911 min Scan# 1515
Delta R.T. 0.006 min
Lab File: VV029224.D
Acq: 20 Nov 2022 14:48

Tgt Ion: 95 Resp: 95180
Ion Ratio Lower Upper
95 100
97 64.2 45.6 84.8
132 99.3 69.1 128.3
130 101.5 74.9 139.1





#35

Methylcyclohexane

Concen: 0.694 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.058 min

Lab File: VV029224.D

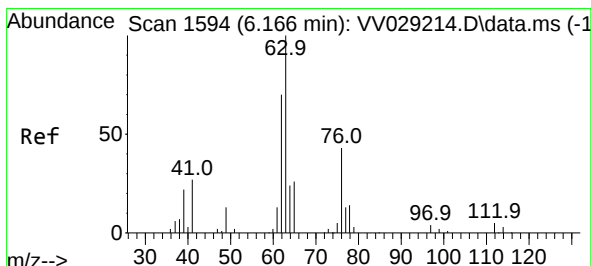
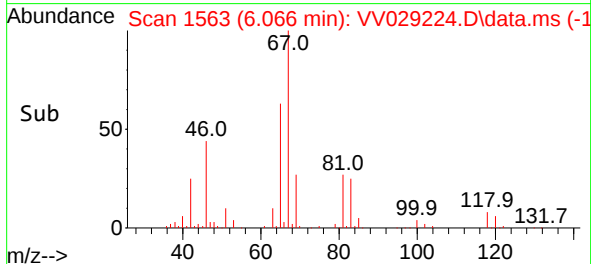
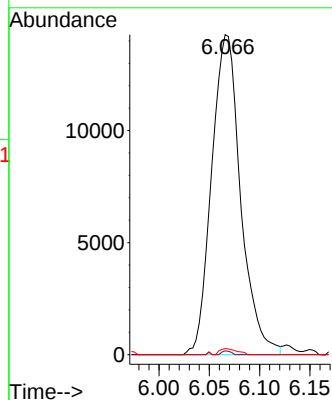
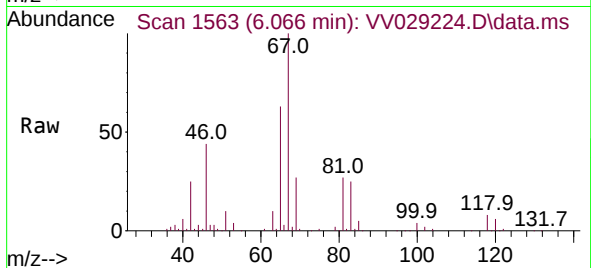
Acq: 20 Nov 2022 14:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	28704
Ion	Ratio	Lower	Upper
83	100		
55	0.4	55.8	83.6#
98	1.1	38.2	57.2#



#37

1,2-Dichloropropane

Concen: 0.590 ug/L

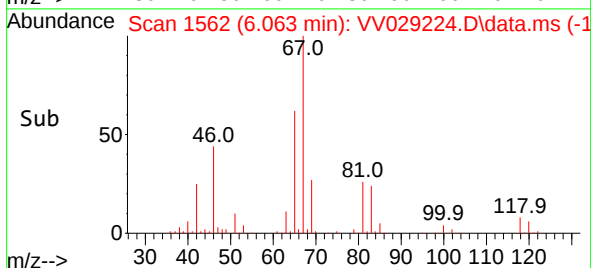
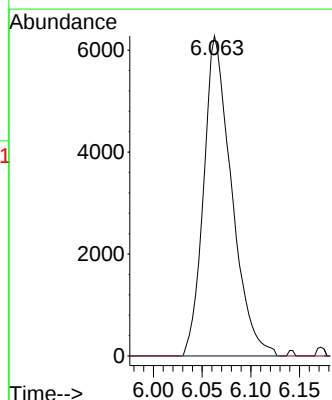
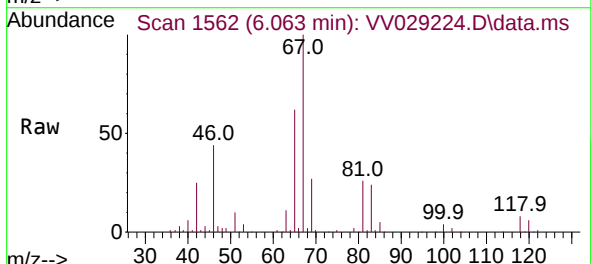
RT: 6.063 min Scan# 1562

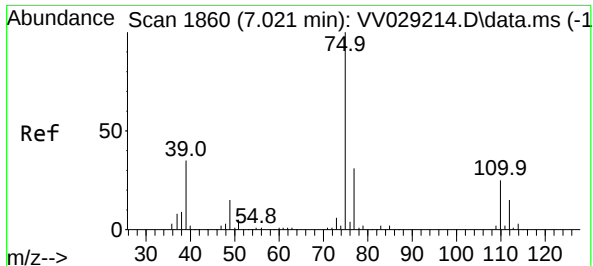
Delta R.T. -0.103 min

Lab File: VV029224.D

Acq: 20 Nov 2022 14:48

Tgt Ion:	63	Resp:	12511
Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.0	6.0#





#39

cis-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.036 min

Lab File: VV029224.D

Acq: 20 Nov 2022 14:48

Instrument :

MSVOA_V

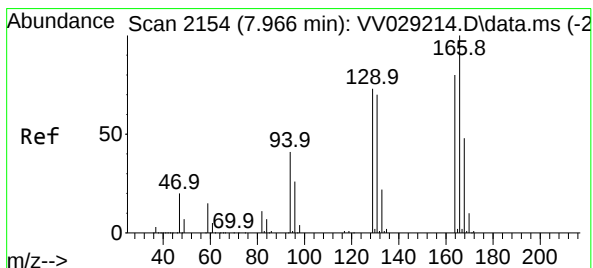
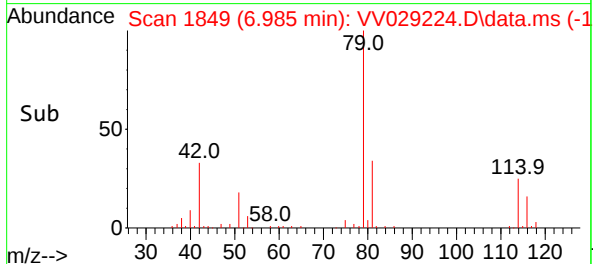
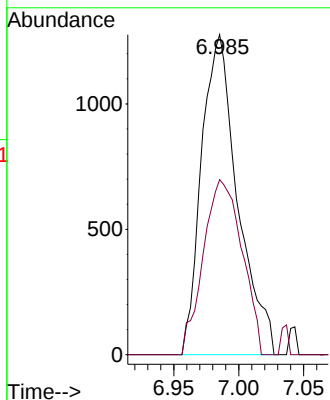
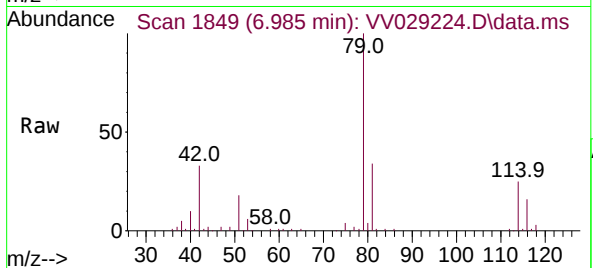
ClientSampleId :

Tgt Ion: 75 Resp: 2467

Ion Ratio Lower Upper

75 100

77 54.7 21.8 40.6#



#47

Tetrachloroethene

Concen: 0.179 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. 0.006 min

Lab File: VV029224.D

Acq: 20 Nov 2022 14:48

Tgt Ion:164 Resp: 3380

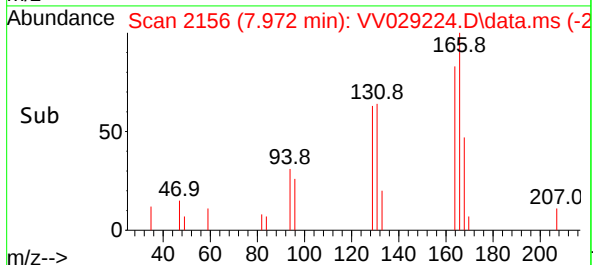
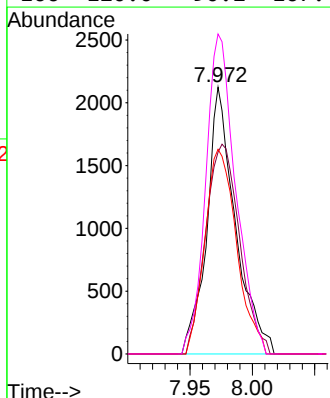
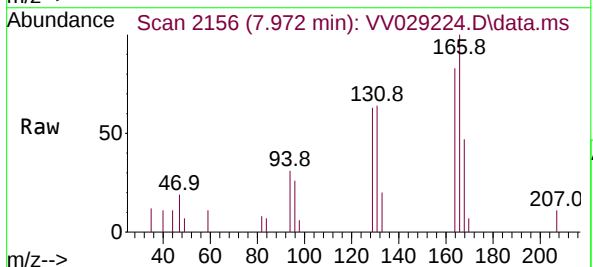
Ion Ratio Lower Upper

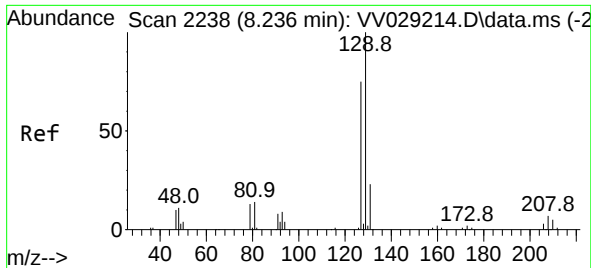
164 100

129 75.7 63.9 118.7

131 76.7 61.8 114.8

166 120.0 90.2 167.4





#49

Dibromochloromethane

Concen: 0.189 ug/L

RT: 7.976 min Scan# 21

Delta R.T. -0.261 min

Lab File: VV029224.D

Acq: 20 Nov 2022 14:48

Instrument :

MSVOA_V

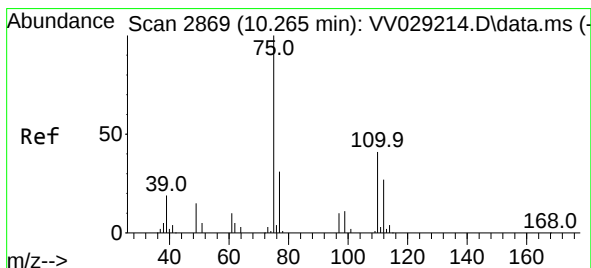
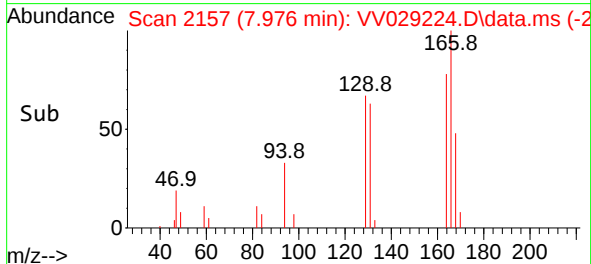
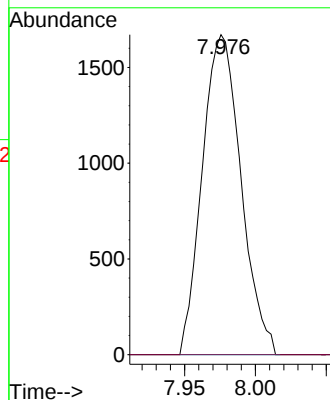
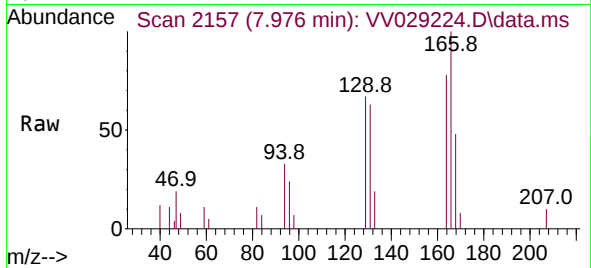
ClientSampleId :

Tgt Ion:129 Resp: 3175

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#61

1,2,3-Trichloropropane

Concen: 1.573 ug/L

RT: 11.242 min Scan# 3173

Delta R.T. 0.977 min

Lab File: VV029224.D

Acq: 20 Nov 2022 14:48

Tgt Ion: 75 Resp: 14535

Ion Ratio Lower Upper

75 100

77 30.3 26.2 39.2

110 2.7 32.6 48.8#

