

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101822\
 Data File : VW028622.D
 Acq On : 18 Oct 2022 18:48
 Operator : SY/MD
 Sample : N5173-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 19 00:41:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR101422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 19 00:35:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	227383	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	159084	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	70364	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.298	65	62296	3.183	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.600%
7) Chloroethane-d5	1.571	69	59742	3.713	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.200%
11) 1,1-Dichloroethene-d2	2.121	63	94674	2.671	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.400%#
20) 2-Butanone-d5	3.973	46	245711	58.406	ug/L	0.08
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.820%
24) Chloroform-d	4.362	84	140376	4.685	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
26) 1,2-Dichloroethane-d4	5.043	65	82000	5.250	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.000%
32) Benzene-d6	5.050	84	272751	5.310	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.200%
36) 1,2-Dichloropropane-d6	6.076	67	95135	5.739	ug/L	0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.800%
41) Toluene-d8	7.320	98	162069	3.982	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.600%
43) trans-1,3-Dichloroprop...	7.632	79	19172	3.424	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.400%
46) 2-Hexanone-d5	8.111	63	108691	44.969	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.940%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	46366	4.697	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.000%
66) 1,2-Dichlorobenzene-d4	11.616	152	54520	4.696	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	3982	0.310	ug/L #	87
3) Chloromethane	1.230	50	13235	0.616	ug/L	99
6) Bromomethane	1.526	94	501	0.053	ug/L	95
8) Chloroethane	1.597	64	1093	0.080	ug/L	88
9) Trichlorofluoromethane	1.767	101	8803	0.344	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.127	101	3363	0.223	ug/L #	85
12) 1,1-Dichloroethene	2.130	96	5924	0.419	ug/L #	1
17) Methyl tert-butyl Ether	2.796	73	10081	0.281	ug/L #	91
18) trans-1,2-Dichloroethene	2.761	96	2839	0.193	ug/L	98
19) 1,1-Dichloroethane	3.198	63	5029	0.152	ug/L #	86
22) cis-1,2-Dichloroethene	3.921	96	155790	9.346	ug/L #	98
25) Chloroform	4.394	83	13665	0.435	ug/L	93
29) 1,1,1-Trichloroethane	4.609	97	1441	0.066	ug/L #	41
31) Carbon tetrachloride	4.825	117	9437	0.546	ug/L	97
34) Trichloroethene	5.908	95	1395195	103.921	ug/L	94
35) Methylcyclohexane	6.076	83	22625	1.012	ug/L #	18
39) cis-1,3-Dichloropropene	6.995	75	1864	0.098	ug/L #	75
44) trans-1,3-Dichloropropene	7.632	75	1201	0.082	ug/L #	33
45) 1,1,2-Trichloroethane	7.850	97	574	0.072	ug/L #	84

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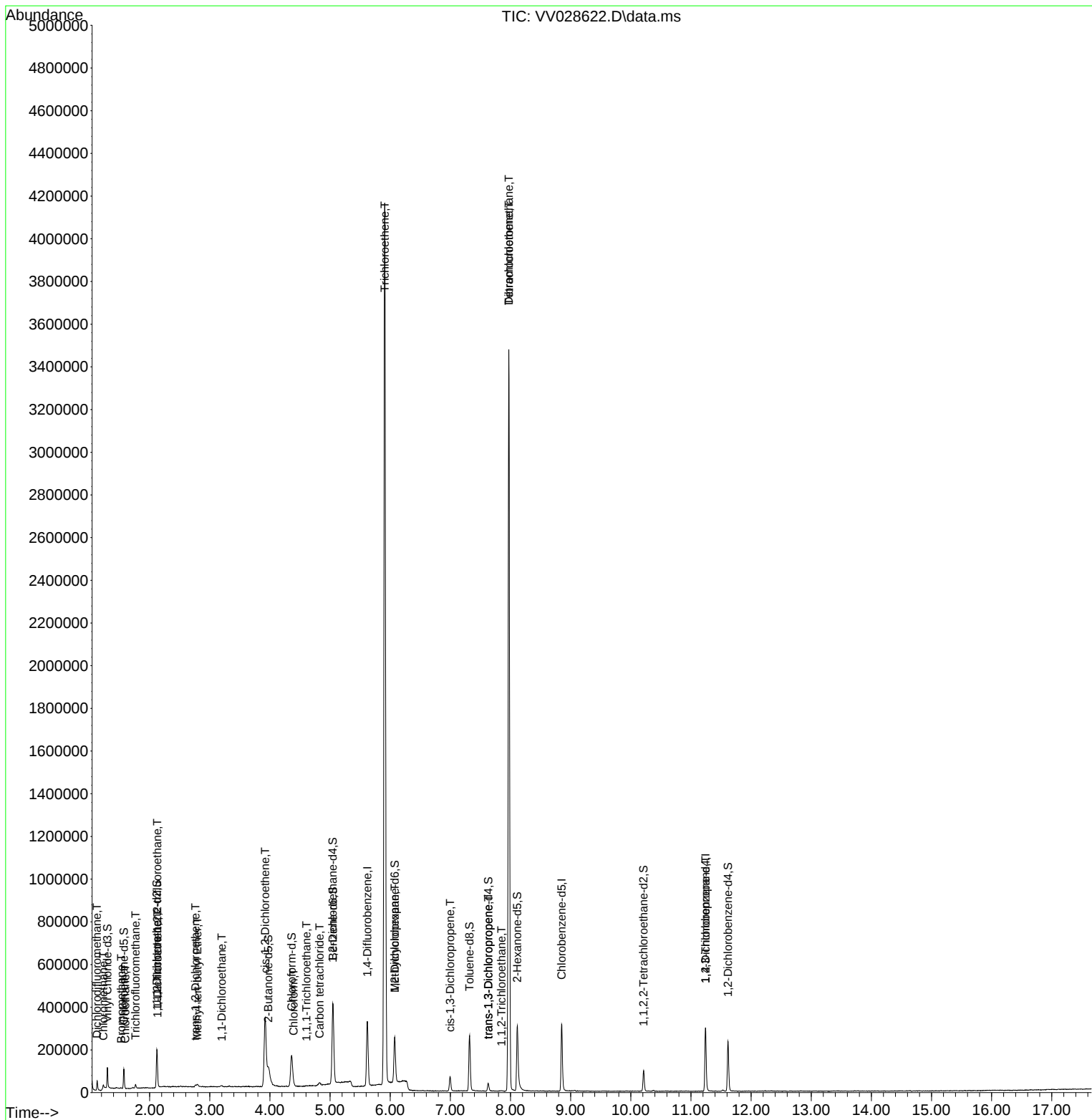
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 ClientSampleId :

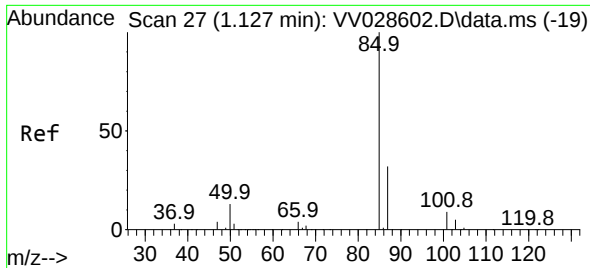
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 19 00:35:12 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	7.973	164	673691	77.094	ug/L	99
49) Dibromochloromethane	7.973	129	666574	78.587	ug/L #	11
61) 1,2,3-Trichloropropane	11.243	75	11123	1.769	ug/L #	70

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

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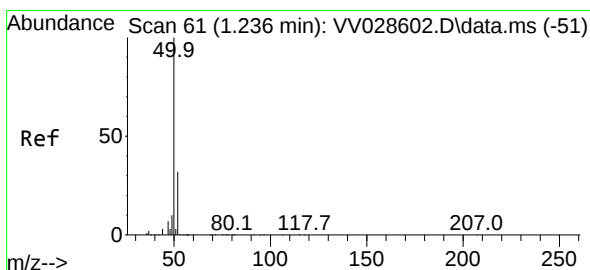
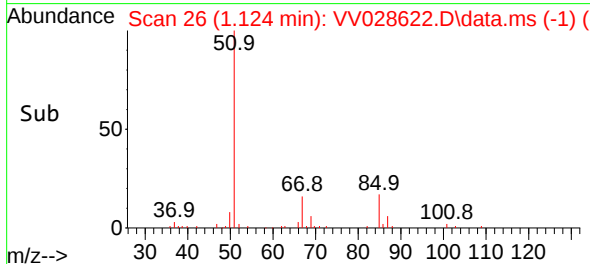
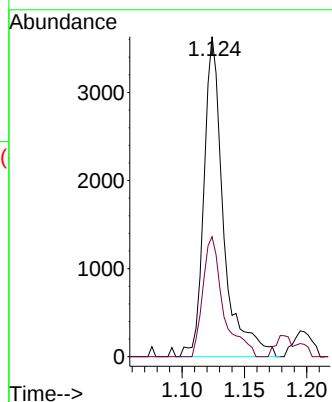
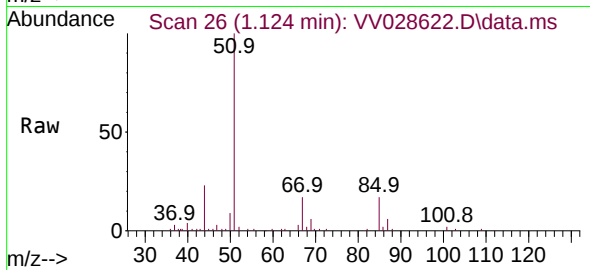




#2
 Dichlorodifluoromethane
 Concen: 0.310 ug/L
 RT: 1.124 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV028622.D
 Acq: 18 Oct 2022 18:48

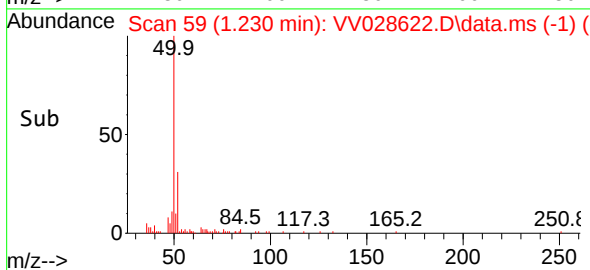
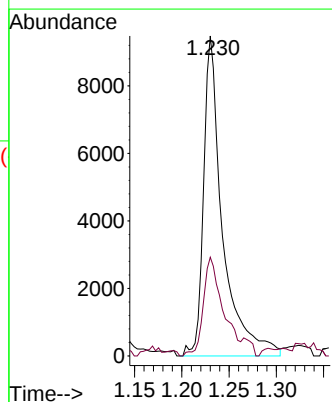
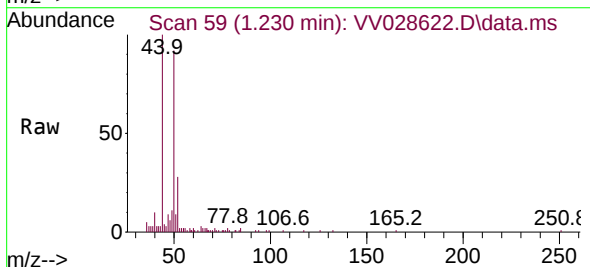
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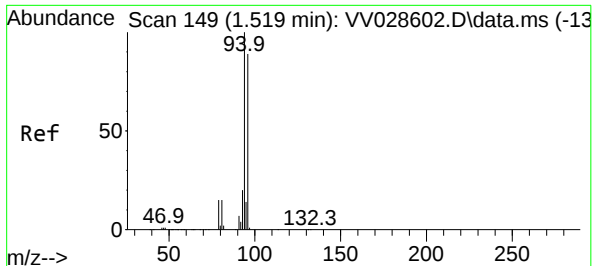
Tgt Ion: 85 Resp: 3982
 Ion Ratio Lower Upper
 85 100
 87 39.0 25.4 38.2#



#3
 Chloromethane
 Concen: 0.616 ug/L
 RT: 1.230 min Scan# 59
 Delta R.T. -0.006 min
 Lab File: VV028622.D
 Acq: 18 Oct 2022 18:48

Tgt Ion: 50 Resp: 13235
 Ion Ratio Lower Upper
 50 100
 52 30.9 22.0 41.0

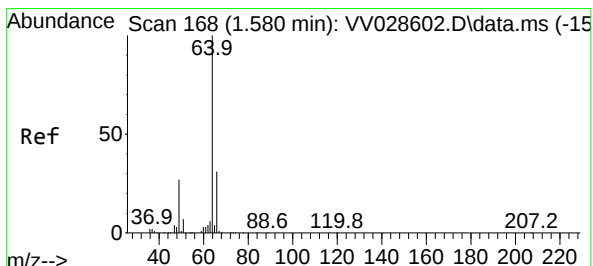
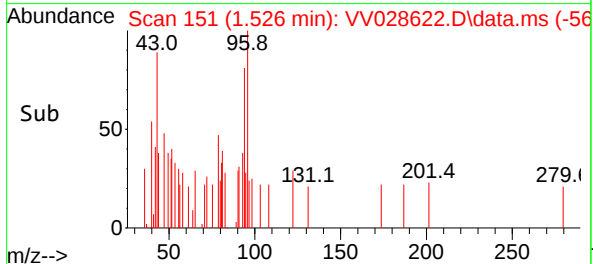
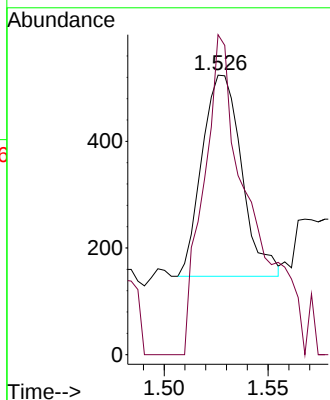
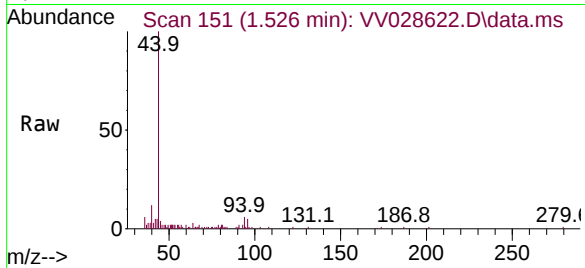




#6
Bromomethane
Concen: 0.053 ug/L
RT: 1.526 min Scan# 11
Delta R.T. 0.007 min
Lab File: VV028622.D
Acq: 18 Oct 2022 18:48

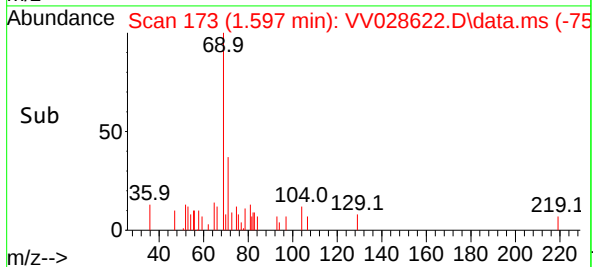
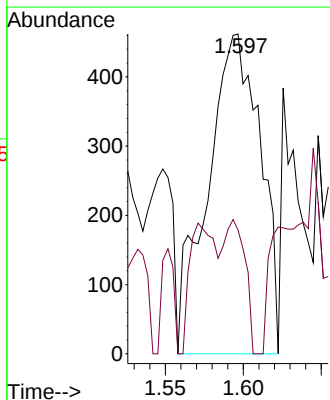
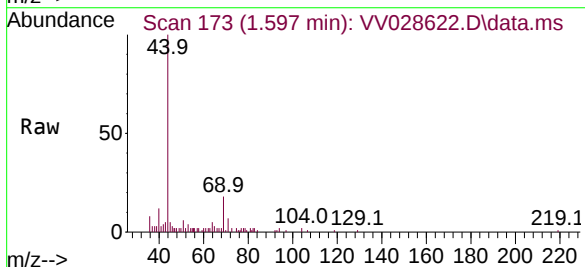
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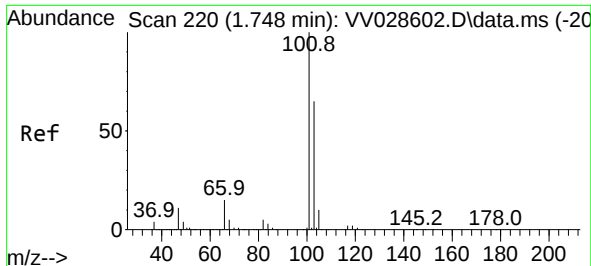
Tgt Ion: 94 Resp: 501
Ion Ratio Lower Upper
94 100
96 90.8 67.0 124.4



#8
Chloroethane
Concen: 0.080 ug/L
RT: 1.597 min Scan# 173
Delta R.T. 0.016 min
Lab File: VV028622.D
Acq: 18 Oct 2022 18:48

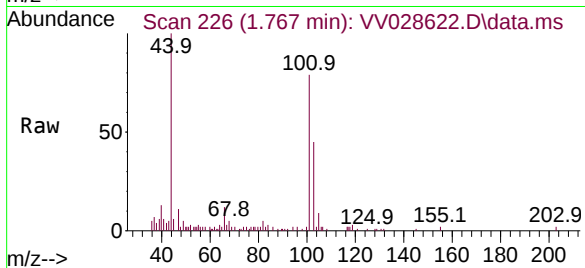
Tgt Ion: 64 Resp: 1093
Ion Ratio Lower Upper
64 100
66 26.2 23.0 42.8



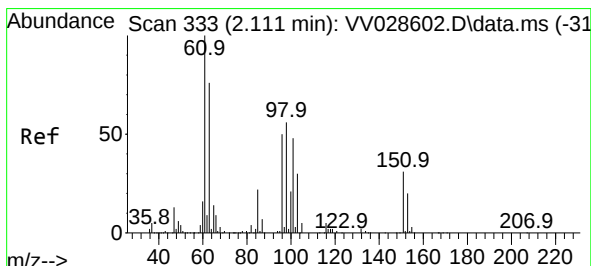
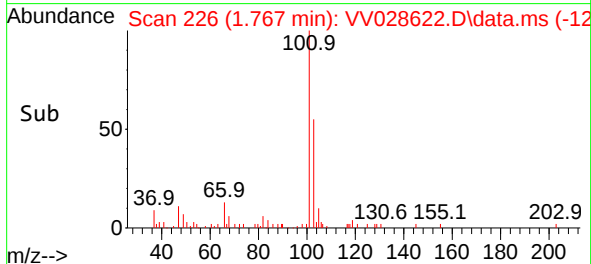
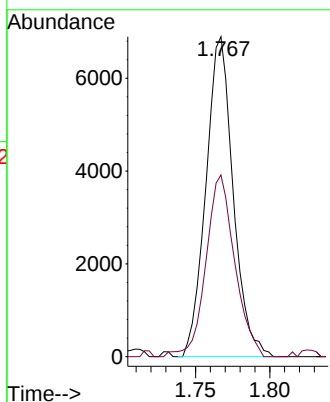


#9
 Trichlorofluoromethane
 Concen: 0.344 ug/L
 RT: 1.767 min Scan# 21
 Delta R.T. 0.019 min
 Lab File: VV028622.D
 Acq: 18 Oct 2022 18:48

Instrument :
 MSVOA_V
 ClientSampleId :

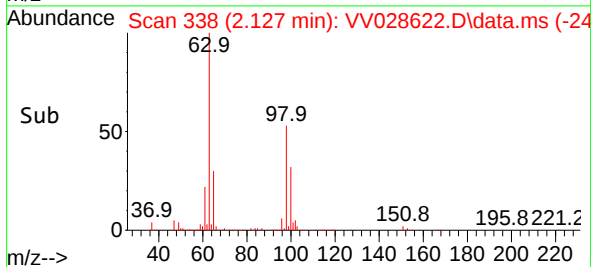
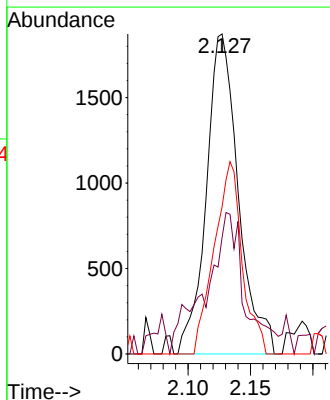
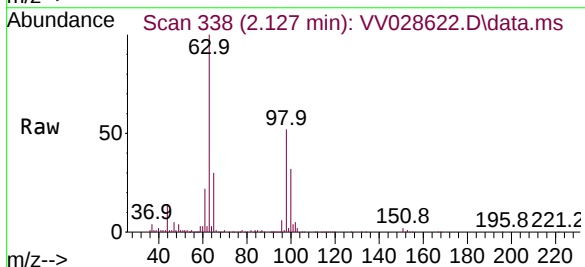


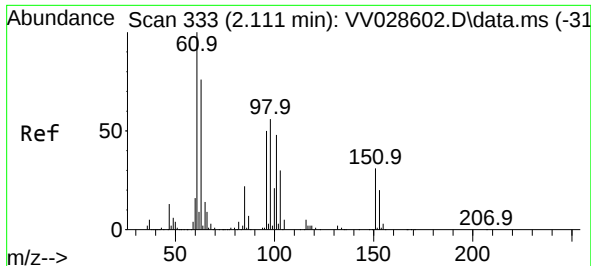
Tgt Ion:101 Resp: 8803
 Ion Ratio Lower Upper
 101 100
 103 59.9 51.6 77.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.223 ug/L
 RT: 2.127 min Scan# 338
 Delta R.T. 0.016 min
 Lab File: VV028622.D
 Acq: 18 Oct 2022 18:48

Tgt Ion:101 Resp: 3363
 Ion Ratio Lower Upper
 101 100
 85 53.6 37.3 55.9
 151 52.1 52.8 79.2#

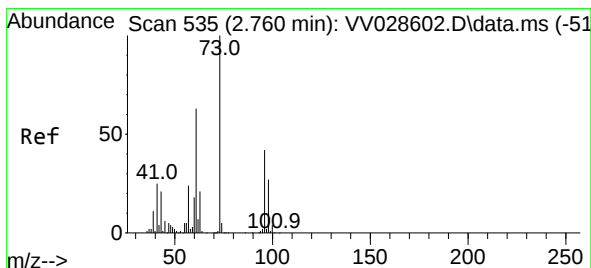
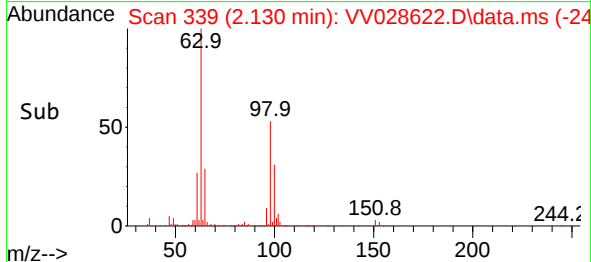
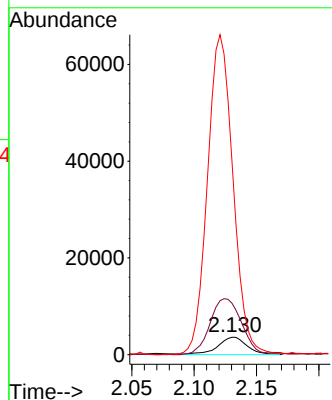
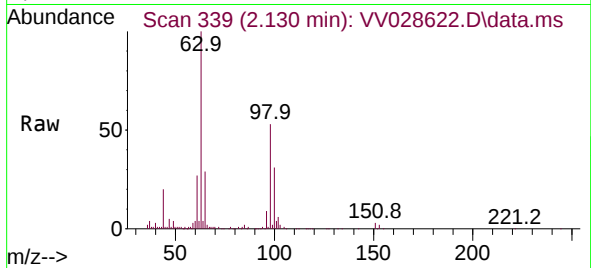




#12
1,1-Dichloroethene
Concen: 0.419 ug/L
RT: 2.130 min Scan# 31
Delta R.T. 0.019 min
Lab File: VV028622.D
Acq: 18 Oct 2022 18:48

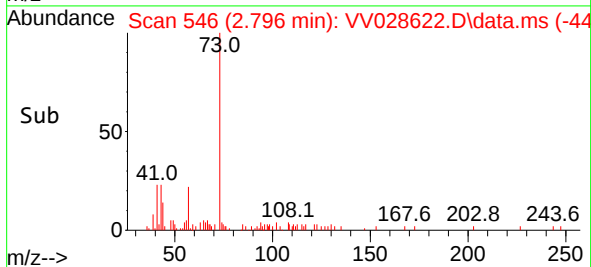
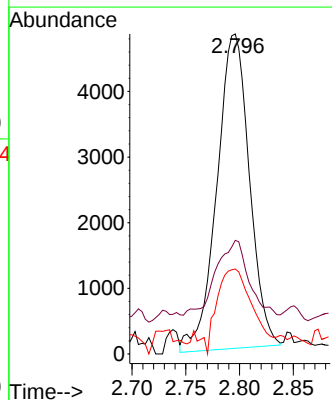
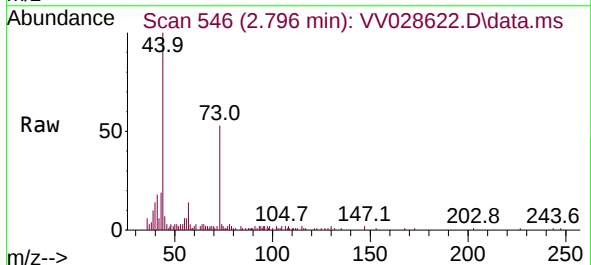
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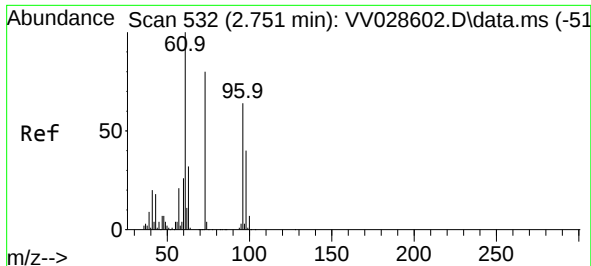
Tgt Ion: 96 Resp: 5924
Ion Ratio Lower Upper
96 100
61 252.0 142.9 265.5
63 943.1 102.3 190.1#



#17
Methyl tert-butyl Ether
Concen: 0.281 ug/L
RT: 2.796 min Scan# 546
Delta R.T. 0.035 min
Lab File: VV028622.D
Acq: 18 Oct 2022 18:48

Tgt Ion: 73 Resp: 10081
Ion Ratio Lower Upper
73 100
43 26.6 18.2 27.2
57 29.6 19.5 29.3#

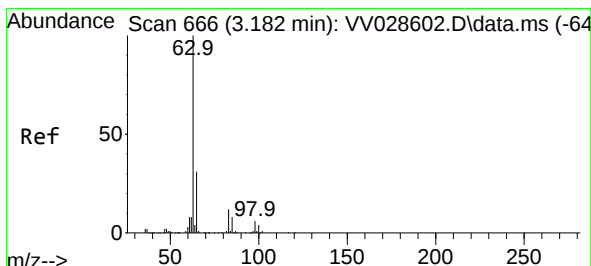
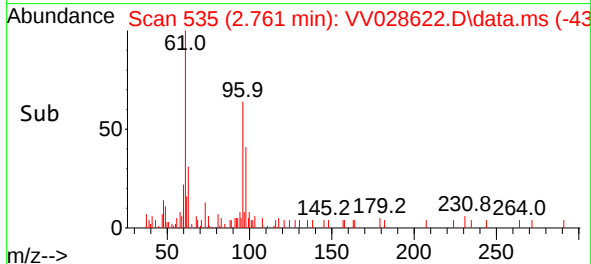
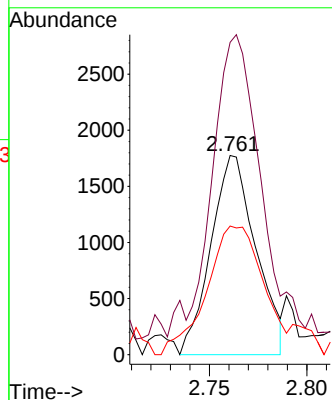
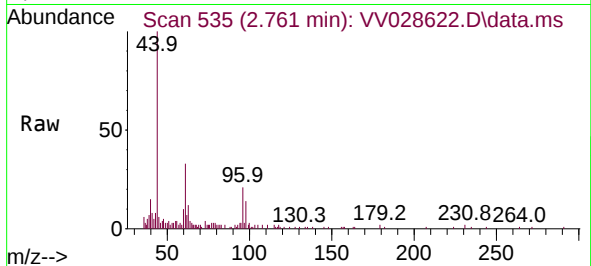




#18
trans-1,2-Dichloroethene
Concen: 0.193 ug/L
RT: 2.761 min Scan# 51
Delta R.T. 0.010 min
Lab File: VV028622.D
Acq: 18 Oct 2022 18:48

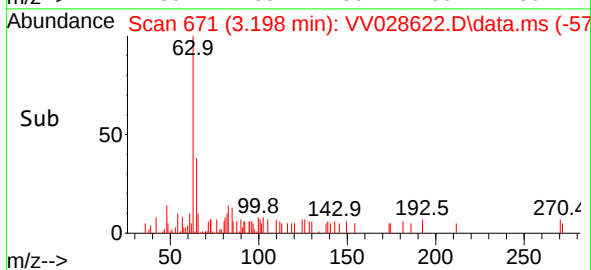
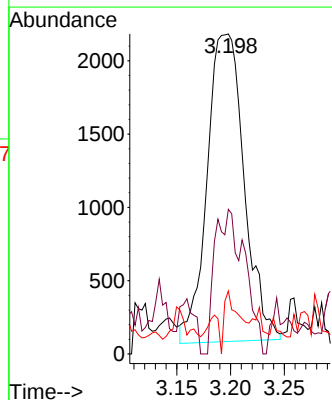
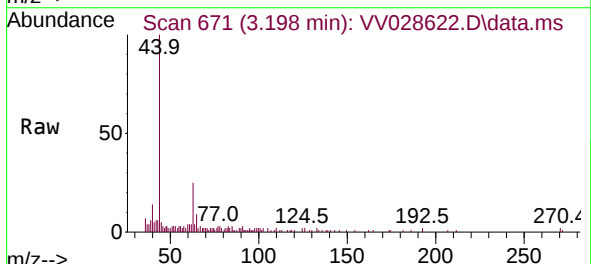
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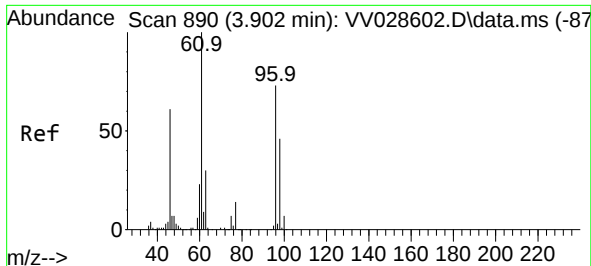
Tgt Ion: 96 Resp: 2839
Ion Ratio Lower Upper
96 100
61 156.8 111.2 206.6
98 64.6 42.9 79.7



#19
1,1-Dichloroethane
Concen: 0.152 ug/L
RT: 3.198 min Scan# 671
Delta R.T. 0.016 min
Lab File: VV028622.D
Acq: 18 Oct 2022 18:48

Tgt Ion: 63 Resp: 5029
Ion Ratio Lower Upper
63 100
65 39.5 22.3 41.5
83 17.3 8.5 15.7#

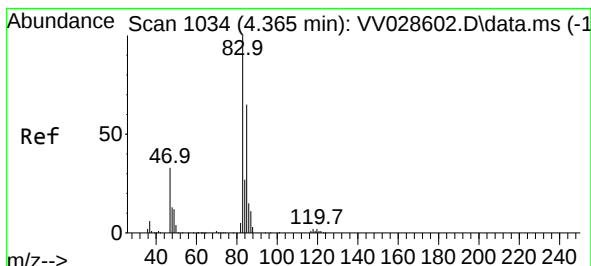
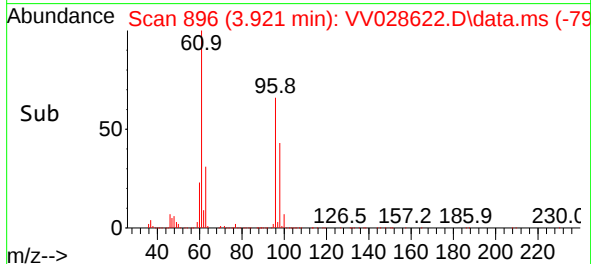
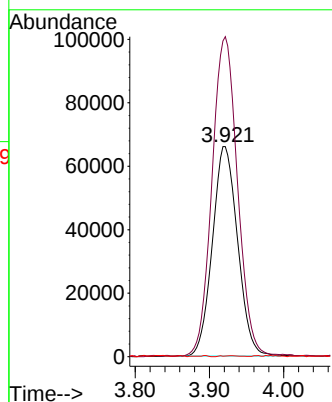
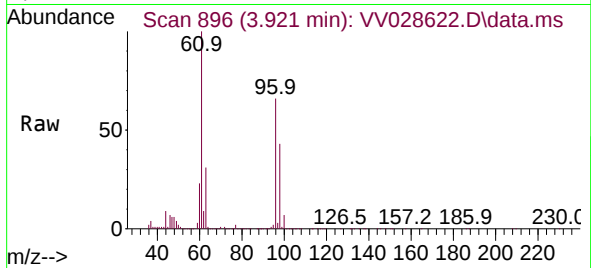




#22
 cis-1,2-Dichloroethene
 Concen: 9.346 ug/L
 RT: 3.921 min Scan# 890
 Delta R.T. 0.019 min
 Lab File: VV028622.D
 Acq: 18 Oct 2022 18:48

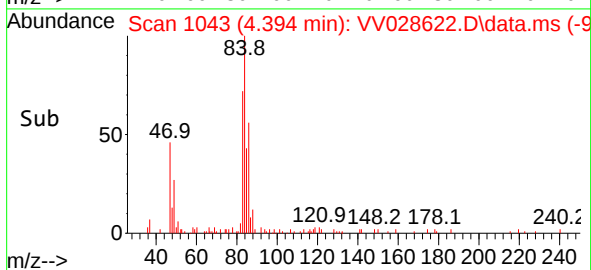
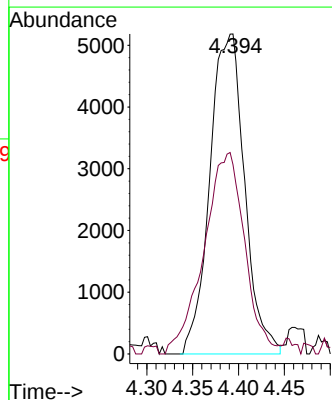
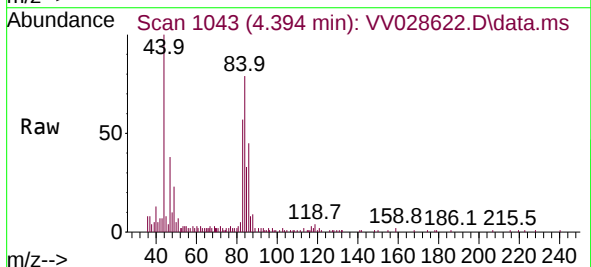
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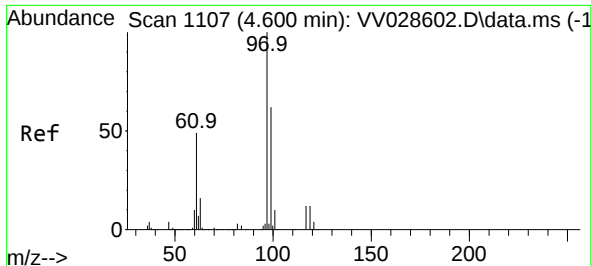
Tgt Ion: 96 Resp: 155790
 Ion Ratio Lower Upper
 96 100
 61 152.3 105.1 195.3
 68 0.3 0.5 0.9#



#25
 Chloroform
 Concen: 0.435 ug/L
 RT: 4.394 min Scan# 1043
 Delta R.T. 0.029 min
 Lab File: VV028622.D
 Acq: 18 Oct 2022 18:48

Tgt Ion: 83 Resp: 13665
 Ion Ratio Lower Upper
 83 100
 85 59.1 45.1 83.9





#29

1,1,1-Trichloroethane

Concen: 0.066 ug/L

RT: 4.609 min Scan# 1107

Delta R.T. 0.010 min

Lab File: VV028622.D

Acq: 18 Oct 2022 18:48

Instrument :

MSVOA_V

ClientSampleId :

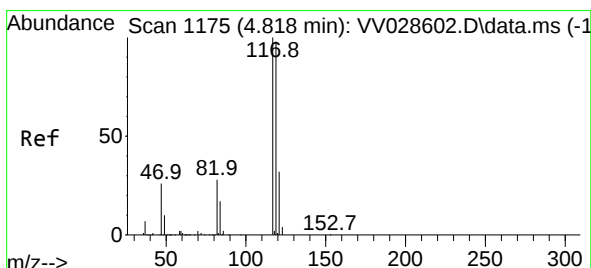
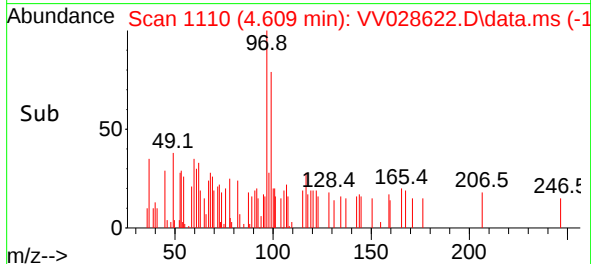
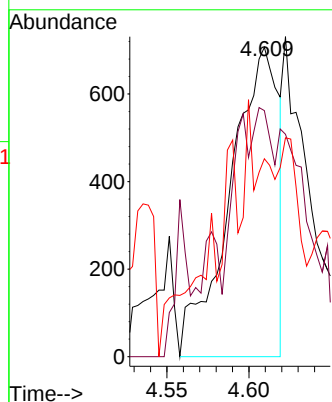
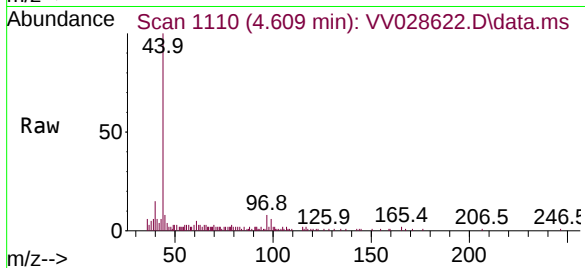
Tgt Ion: 97 Resp: 1441

Ion Ratio Lower Upper

97 100

99 8.6 52.6 78.8#

61 22.1 42.1 63.1#



#31

Carbon tetrachloride

Concen: 0.546 ug/L

RT: 4.825 min Scan# 1177

Delta R.T. 0.007 min

Lab File: VV028622.D

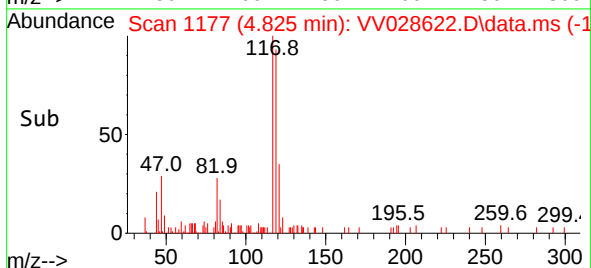
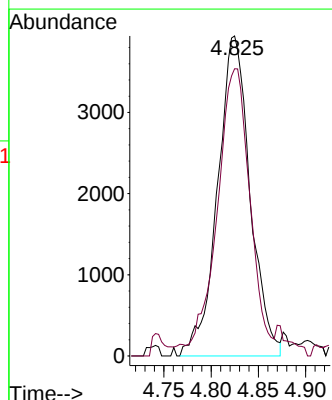
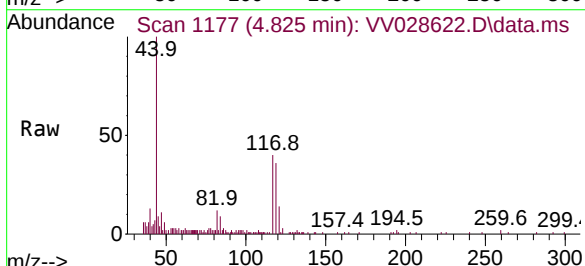
Acq: 18 Oct 2022 18:48

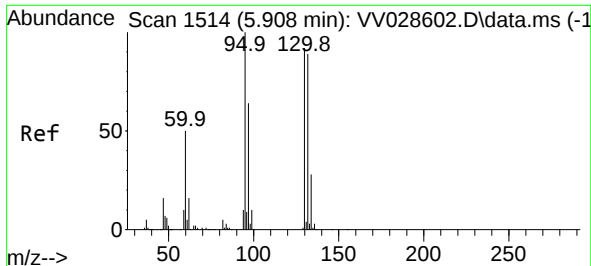
Tgt Ion: 117 Resp: 9437

Ion Ratio Lower Upper

117 100

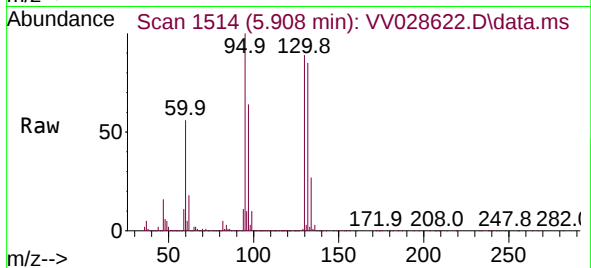
119 91.4 75.5 113.3



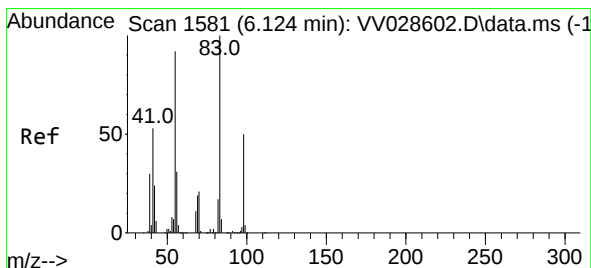
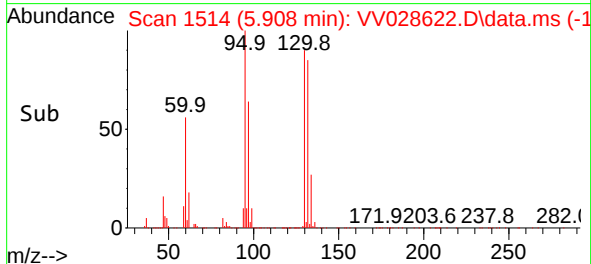
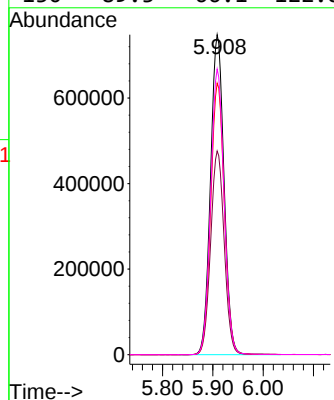


#34
 Trichloroethene
 Concen: 103.921 ug/L
 RT: 5.908 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VV028622.D
 Acq: 18 Oct 2022 18:48

Instrument :
 MSVOA_V
 ClientSampleId :

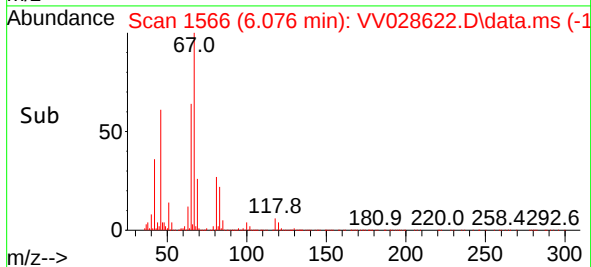
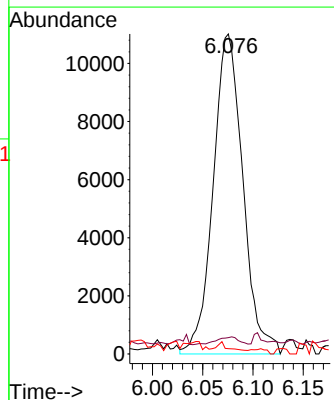
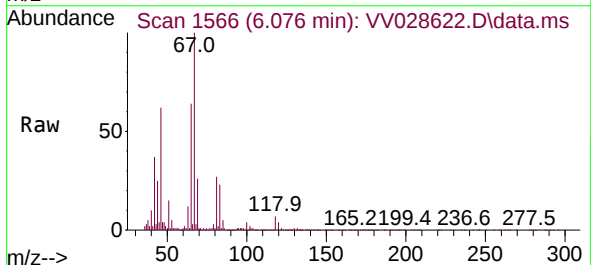


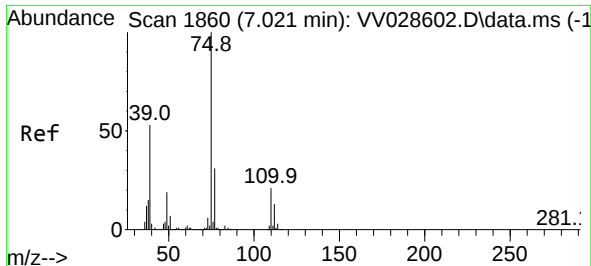
Tgt Ion: 95 Resp: 1395195
 Ion Ratio Lower Upper
 95 100
 97 63.7 46.2 85.8
 132 84.9 65.1 120.9
 130 89.3 66.1 122.8



#35
 Methylcyclohexane
 Concen: 1.012 ug/L
 RT: 6.076 min Scan# 1566
 Delta R.T. -0.048 min
 Lab File: VV028622.D
 Acq: 18 Oct 2022 18:48

Tgt Ion: 83 Resp: 22625
 Ion Ratio Lower Upper
 83 100
 55 2.0 65.0 97.6#
 98 0.0 36.4 54.6#





#39

cis-1,3-Dichloropropene

Concen: 0.098 ug/L

RT: 6.995 min Scan# 1864

Delta R.T. -0.026 min

Lab File: VV028622.D

Acq: 18 Oct 2022 18:48

Instrument :

MSVOA_V

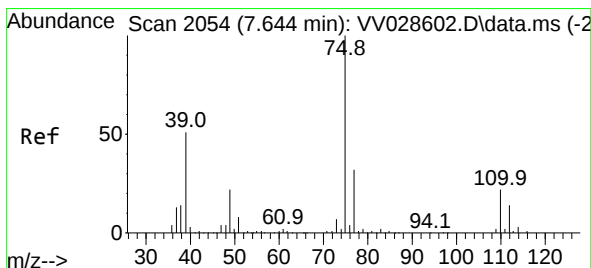
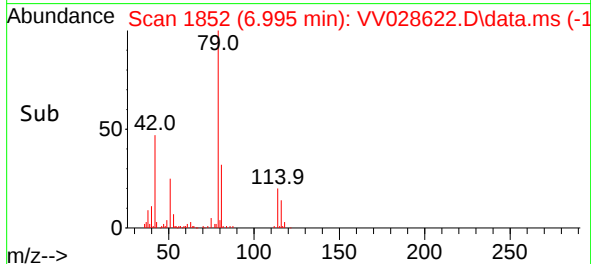
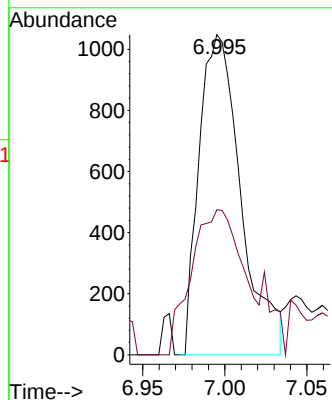
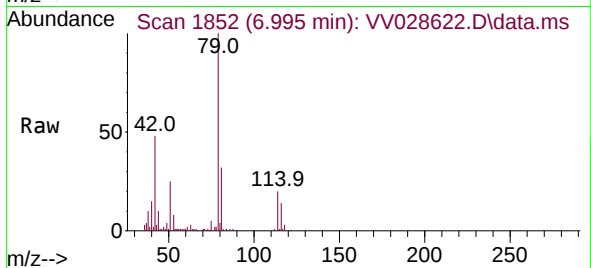
ClientSampleId :

Tgt Ion: 75 Resp: 1864

Ion Ratio Lower Upper

75 100

77 45.3 22.1 41.1#



#44

trans-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 7.632 min Scan# 2050

Delta R.T. -0.013 min

Lab File: VV028622.D

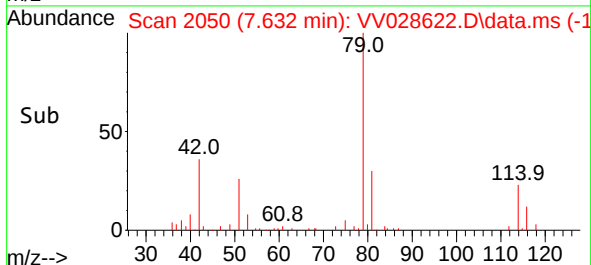
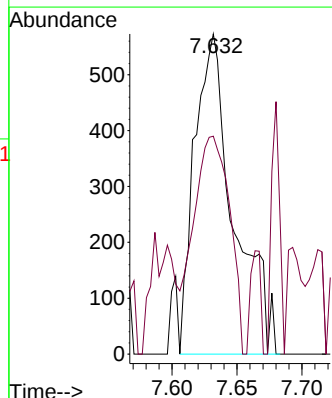
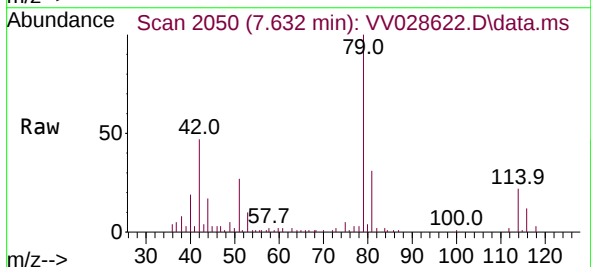
Acq: 18 Oct 2022 18:48

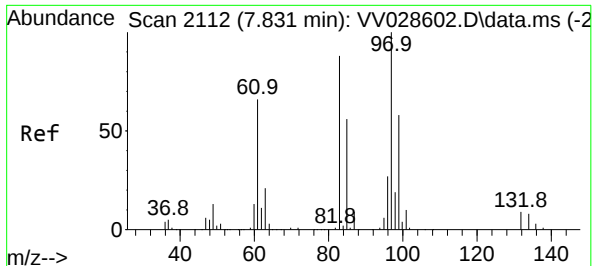
Tgt Ion: 75 Resp: 1201

Ion Ratio Lower Upper

75 100

77 68.1 21.7 40.3#

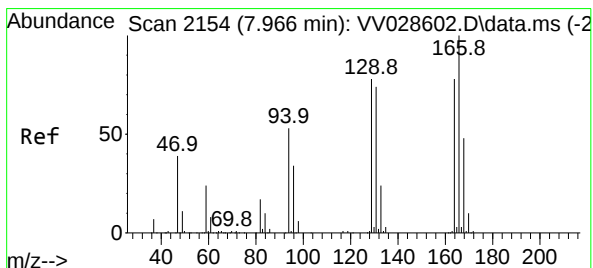
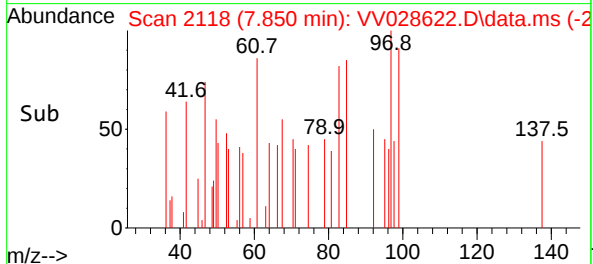
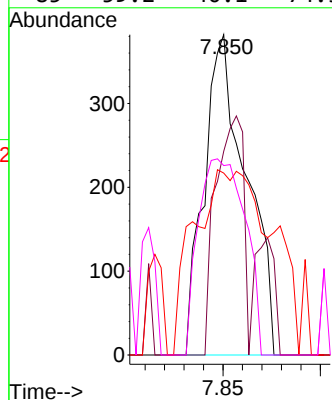
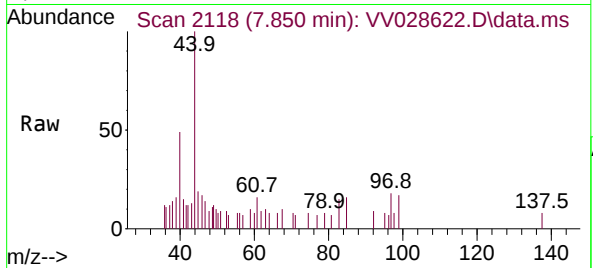




#45
1,1,2-Trichloroethane
Concen: 0.072 ug/L
RT: 7.850 min Scan# 2112
Delta R.T. 0.019 min
Lab File: VV028622.D
Acq: 18 Oct 2022 18:48

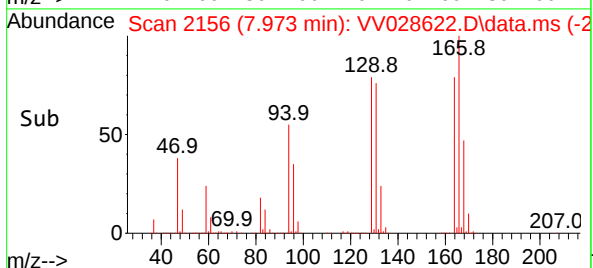
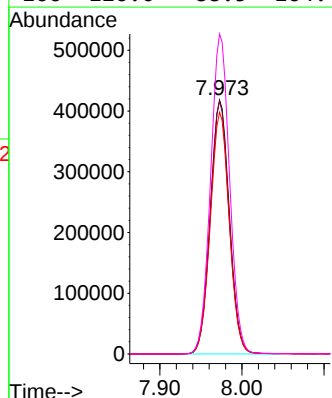
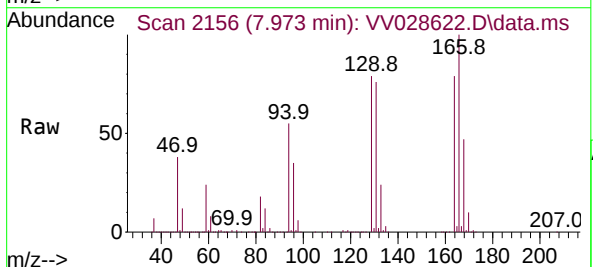
Instrument :
MSVOA_V
ClientSampleId :

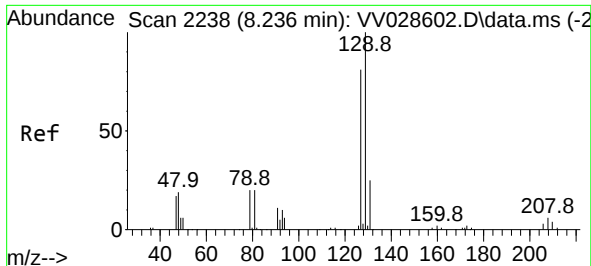
Tgt Ion: 97	Resp: 574
Ion Ratio	Lower Upper
97 100	
99 63.6	44.4 82.4
83 56.8	63.1 117.1#
85 59.2	40.1 74.5



#47
Tetrachloroethene
Concen: 77.094 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. 0.007 min
Lab File: VV028622.D
Acq: 18 Oct 2022 18:48

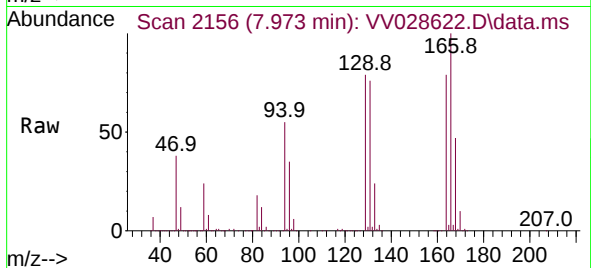
Tgt	Ion:164	Resp:	673691
Ion	Ratio	Lower	Upper
164	100		
129	99.7	69.3	128.7
131	95.2	67.3	125.1
166	126.0	88.5	164.4



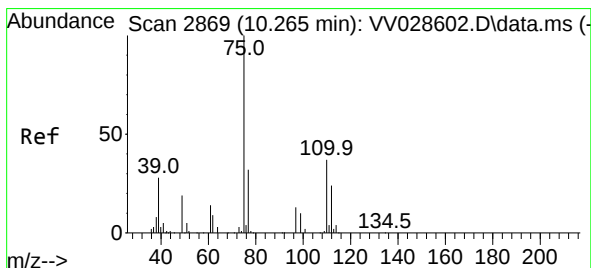
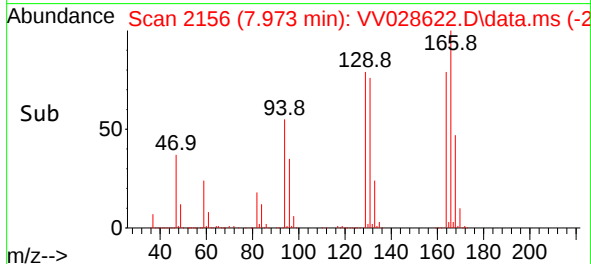
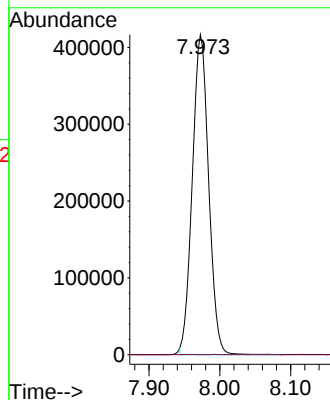


#49
Dibromochloromethane
Concen: 78.587 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. -0.264 min
Lab File: VV028622.D
Acq: 18 Oct 2022 18:48

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:129 Resp: 666574
Ion Ratio Lower Upper
129 100
127 0.0 53.8 100.0#



#61
1,2,3-Trichloropropane
Concen: 1.769 ug/L
RT: 11.243 min Scan# 3173
Delta R.T. 0.978 min
Lab File: VV028622.D
Acq: 18 Oct 2022 18:48

Tgt Ion: 75 Resp: 11123
Ion Ratio Lower Upper
75 100
77 31.1 24.6 37.0
110 3.1 28.3 42.5#

