

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120822\
 Data File : VW029494.D
 Acq On : 08 Dec 2022 23:40
 Operator : SY/MD
 Sample : N5915-04
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F5N03

Quant Time: Dec 09 04:16:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 08 01:48:46 2022
 Response via : Initial Calibration

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

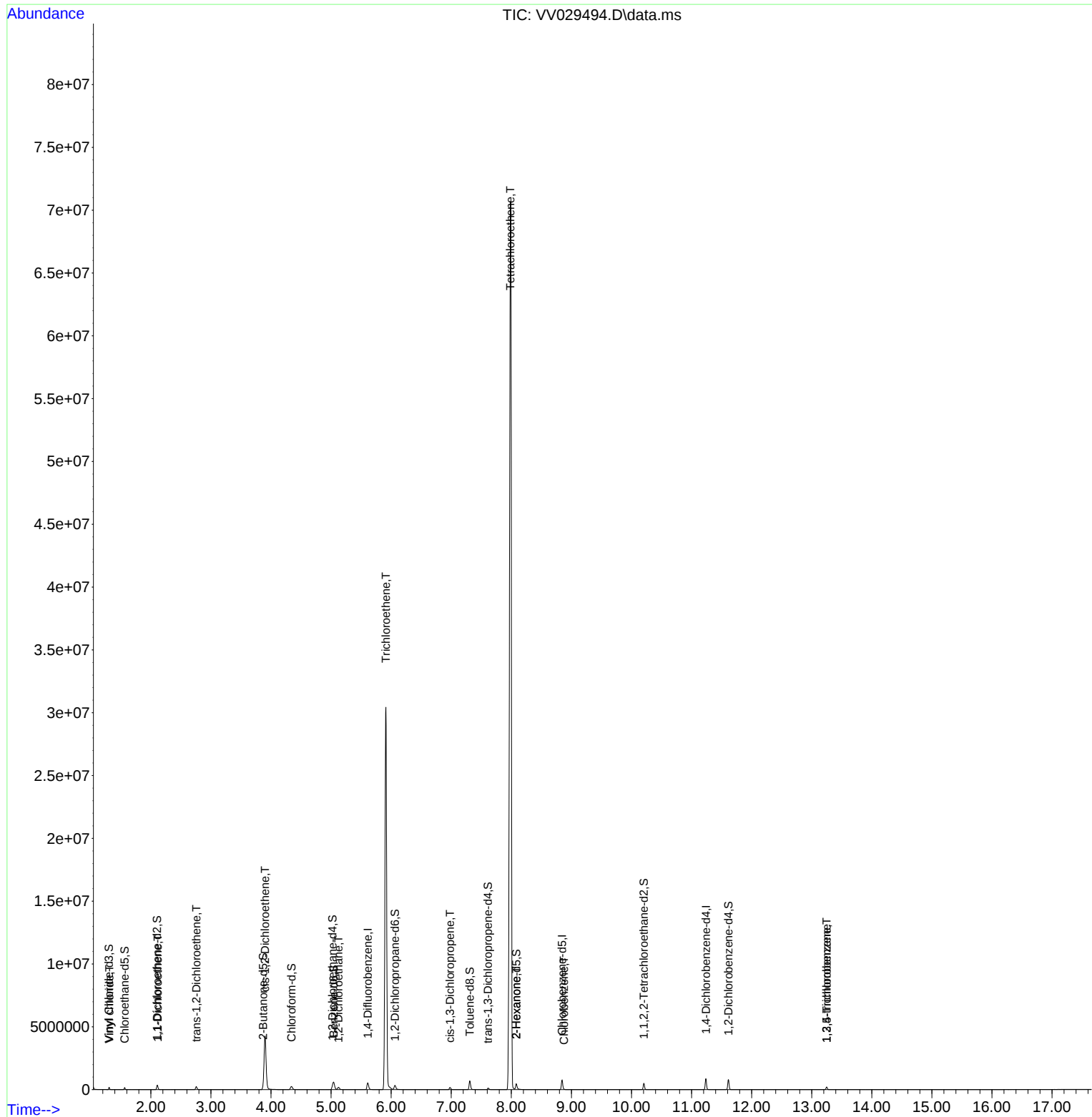
Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	501499	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	433186	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	236674	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	108590	35.360	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	70.720%		
7) Chloroethane-d5	1.564	69	101796	43.471	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.940%		
11) 1,1-Dichloroethene-d2	2.105	63	168950	35.272	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.540%		
21) 2-Butanone-d5	3.866	46	208372	111.228	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	111.230%		
24) Chloroform-d	4.339	84	274199	47.448	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.900%		
26) 1,2-Dichloroethane-d4	5.024	65	166030	50.303	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.600%		
32) Benzene-d6	5.043	84	576621	50.376	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.760%		
36) 1,2-Dichloropropane-d6	6.063	67	169555	48.496	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.000%		
41) Toluene-d8	7.310	98	488811	45.324	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.640%		
43) trans-1,3-Dichloroprop...	7.612	79	77967	44.162	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.320%		
47) 2-Hexanone-d5	8.082	63	161402	108.106	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	108.110%		
56) 1,1,2,2-Tetrachloroeth...	10.207	84	250101	50.058	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	100.120%		
66) 1,2-Dichlorobenzene-d4	11.612	152	218183	48.427	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.860%		
Target Compounds						Qvalue
5) Vinyl chloride	1.310	62	5269	1.398	ug/L #	67
12) 1,1-Dichloroethene	2.114	96	29359	10.952	ug/L #	1
17) trans-1,2-Dichloroethene	2.757	96	95189	30.818	ug/L	95
20) cis-1,2-Dichloroethene	3.902	96	2541453	748.279	ug/L	94
27) 1,2-Dichloroethane	5.124	62	167981	43.349	ug/L	98
34) Trichloroethene	5.911	95	10960601	3582.231	ug/L	96
39) cis-1,3-Dichloropropene	6.979	75	4706	0.971	ug/L #	69
46) Tetrachloroethene	7.985	164	19098715	7763.774	ug/L	85
48) 2-Hexanone	8.082	43	16011	5.964	ug/L #	63
51) Chlorobenzene	8.876	112	11588	1.392	ug/L	93
69) 1,3,5-Trichlorobenzene	13.249	180	67982	12.573	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	67982	14.139	ug/L	99

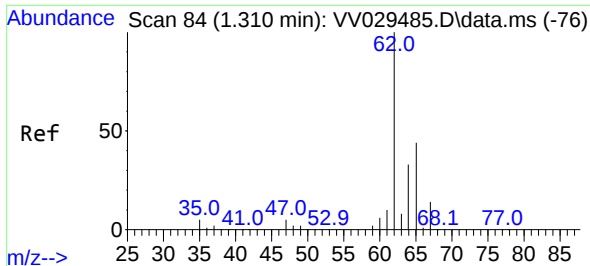
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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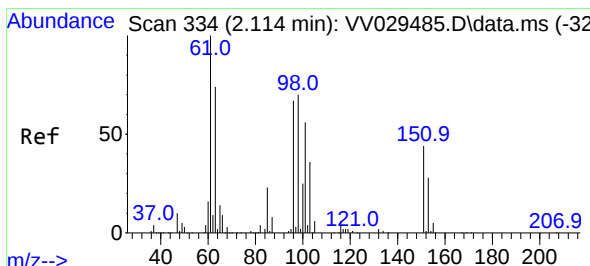
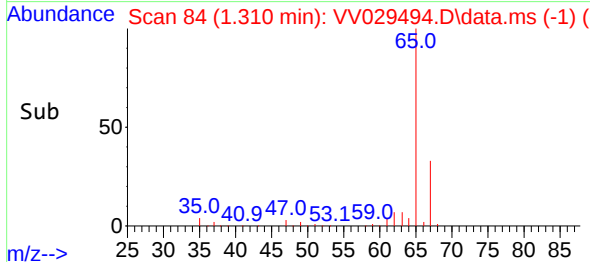
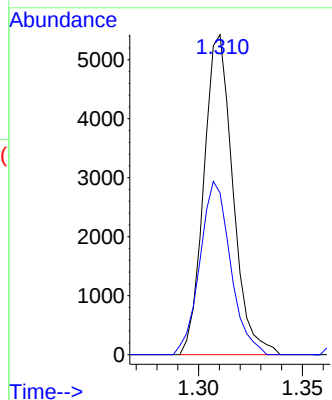
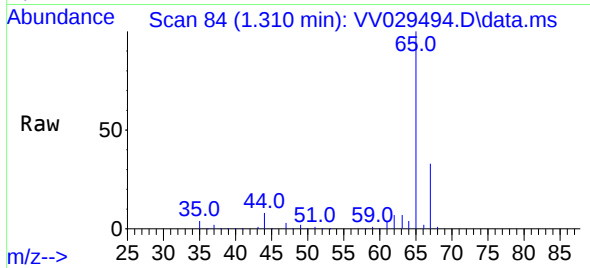




#5
 Vinyl chloride
 Concen: 1.398 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV029494.D
 Acq: 08 Dec 2022 23:40

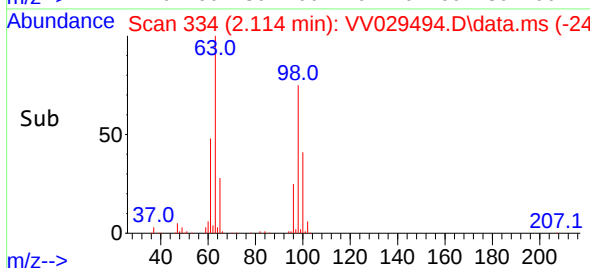
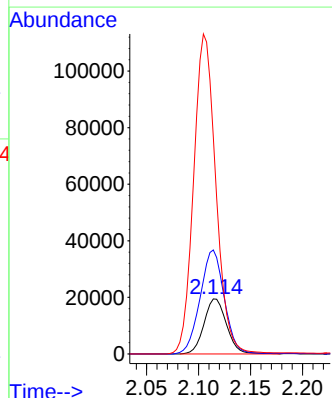
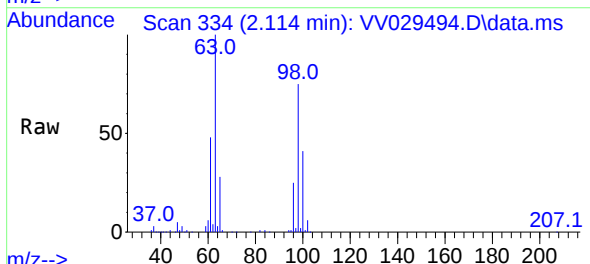
Instrument :
 MSVOA_V
 ClientSampleId :
 F5N03

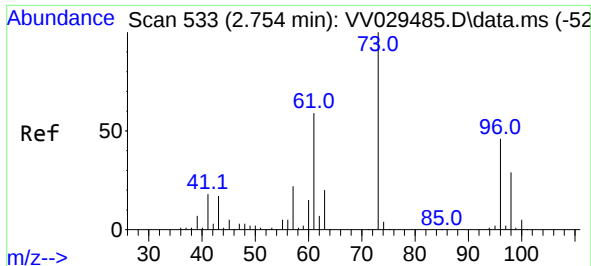
Tgt Ion: 62 Resp: 5269
 Ion Ratio Lower Upper
 62 100
 64 50.6 22.5 41.9#



#12
 1,1-Dichloroethene
 Concen: 10.952 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.000 min
 Lab File: VV029494.D
 Acq: 08 Dec 2022 23:40

Tgt Ion: 96 Resp: 29359
 Ion Ratio Lower Upper
 96 100
 61 188.8 103.3 191.9
 63 393.9 77.3 143.7#

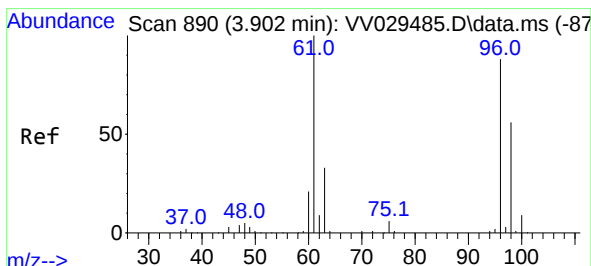
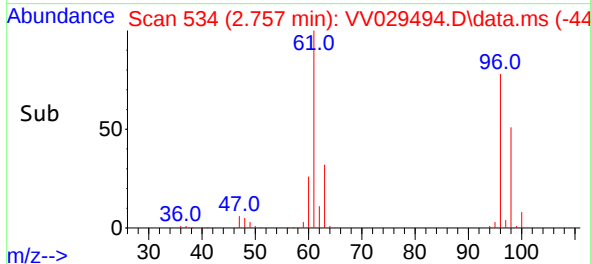
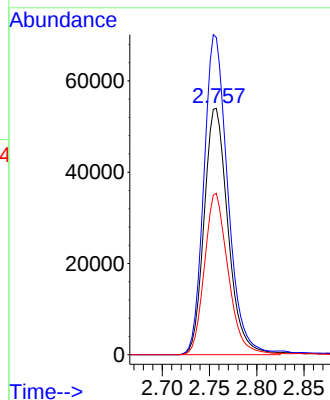
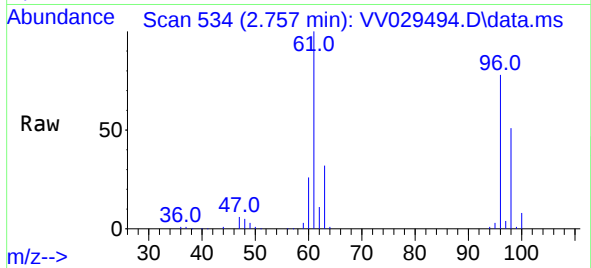




#17
trans-1,2-Dichloroethene
Concen: 30.818 ug/L
RT: 2.757 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV029494.D
Acq: 08 Dec 2022 23:40

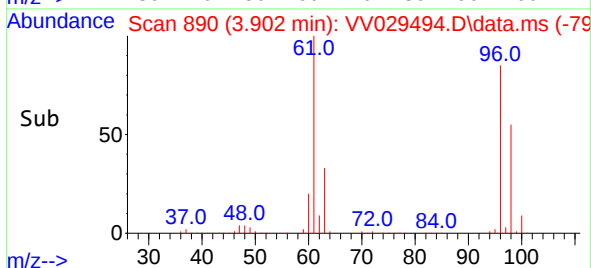
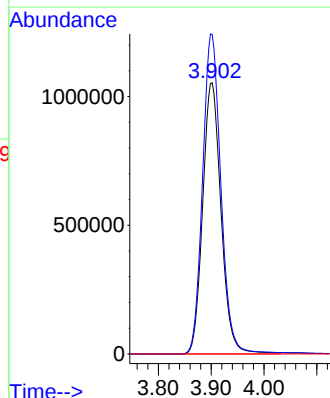
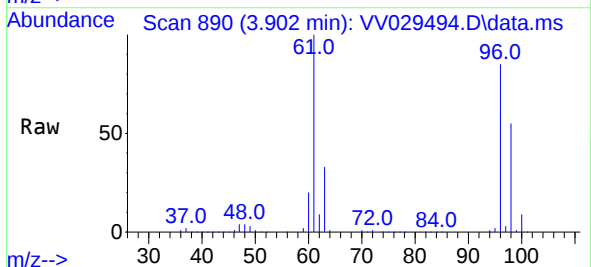
Instrument :
MSVOA_V
ClientSampleId :
F5N03

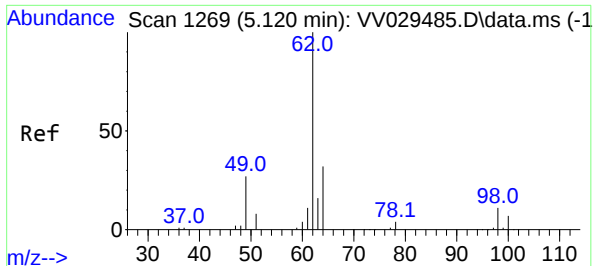
Tgt Ion: 96 Resp: 95189
Ion Ratio Lower Upper
96 100
61 128.7 86.4 160.4
98 65.5 43.4 80.6



#20
cis-1,2-Dichloroethene
Concen: 748.279 ug/L
RT: 3.902 min Scan# 890
Delta R.T. -0.003 min
Lab File: VV029494.D
Acq: 08 Dec 2022 23:40

Tgt Ion: 96 Resp: 2541453
Ion Ratio Lower Upper
96 100
61 117.8 78.0 144.9
68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 43.349 ug/L

RT: 5.124 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV029494.D

Acq: 08 Dec 2022 23:40

Instrument :

MSVOA_V

ClientSampleId :

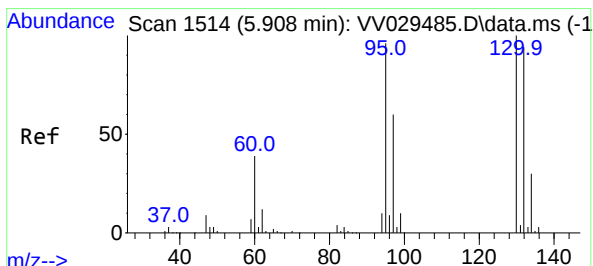
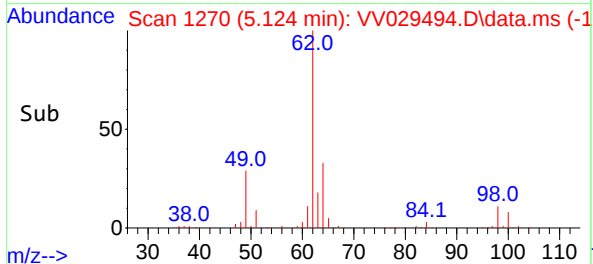
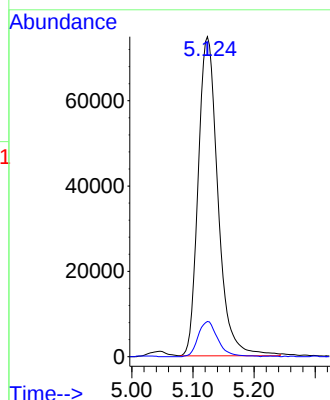
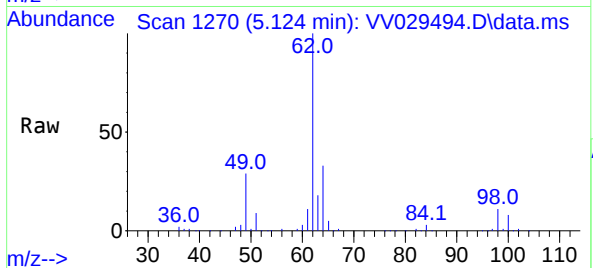
F5N03

Tgt Ion: 62 Resp: 167981

Ion Ratio Lower Upper

62 100

98 11.0 9.4 14.0



#34

Trichloroethene

Concen: 3582.231 ug/L

RT: 5.911 min Scan# 1515

Delta R.T. 0.003 min

Lab File: VV029494.D

Acq: 08 Dec 2022 23:40

Tgt Ion: 95 Resp:10960601

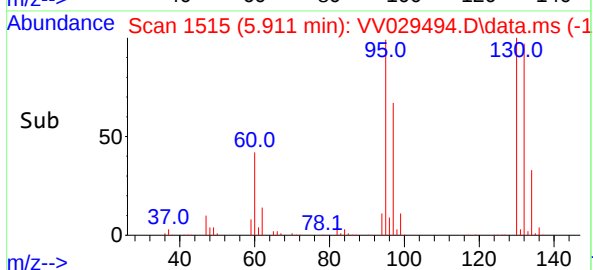
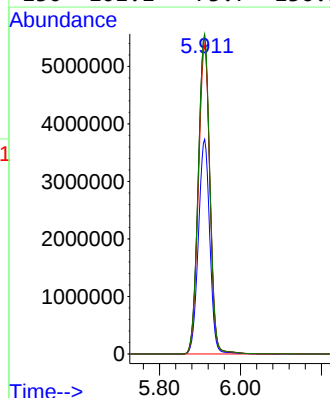
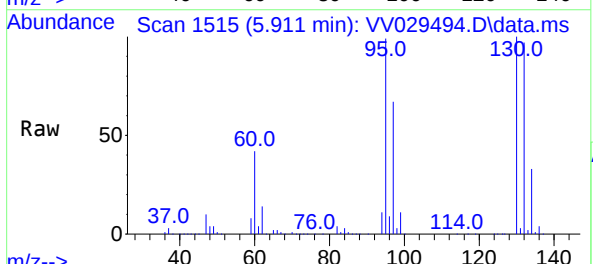
Ion Ratio Lower Upper

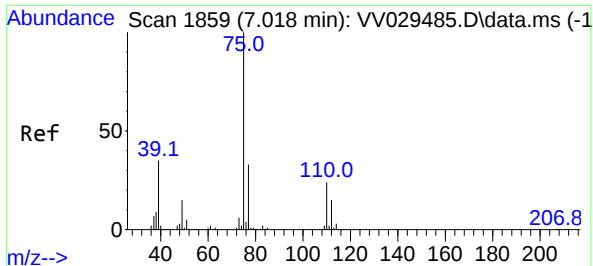
95 100

97 67.8 44.0 81.8

132 97.6 69.9 129.9

130 101.1 73.7 136.9





#39

cis-1,3-Dichloropropene

Concen: 0.971 ug/L

RT: 6.979 min Scan# 11

Delta R.T. -0.042 min

Lab File: VV029494.D

Acq: 08 Dec 2022 23:40

Instrument :

MSVOA_V

ClientSampleId :

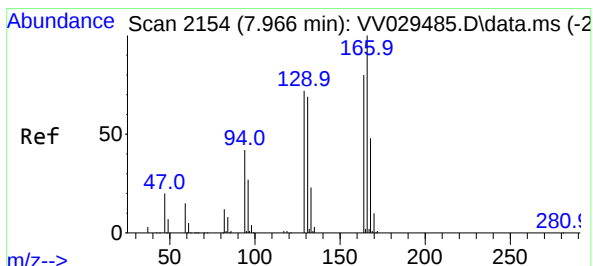
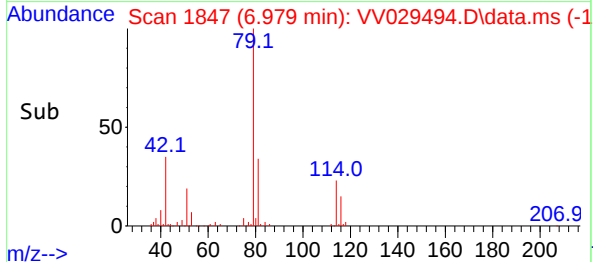
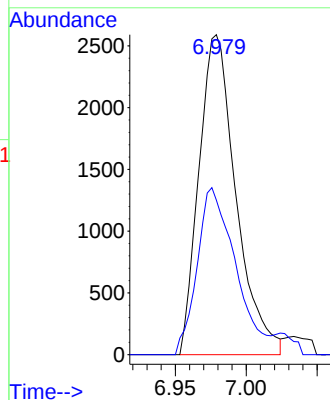
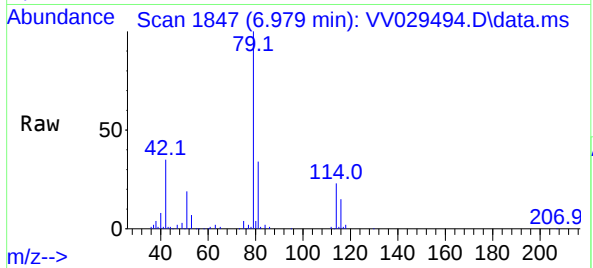
F5N03

Tgt Ion: 75 Resp: 4706

Ion Ratio Lower Upper

75 100

77 48.3 21.9 40.7#



#46

Tetrachloroethene

Concen: 7763.774 ug/L

RT: 7.985 min Scan# 2160

Delta R.T. 0.016 min

Lab File: VV029494.D

Acq: 08 Dec 2022 23:40

Tgt Ion: 164 Resp: 19098715

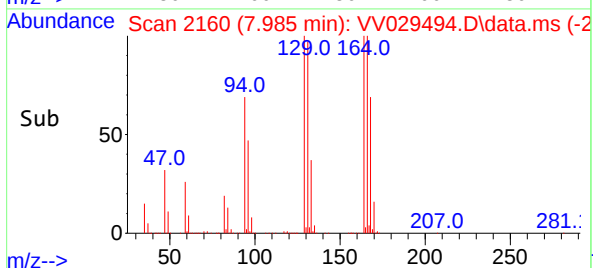
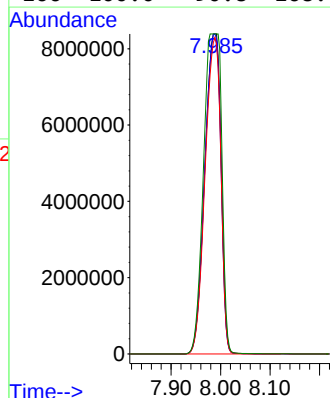
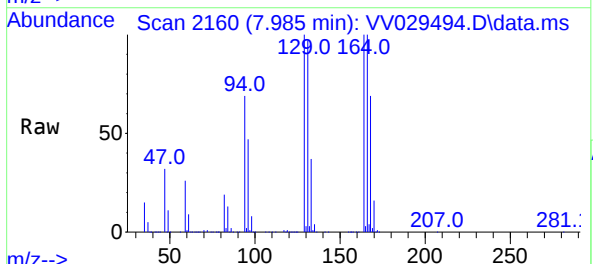
Ion Ratio Lower Upper

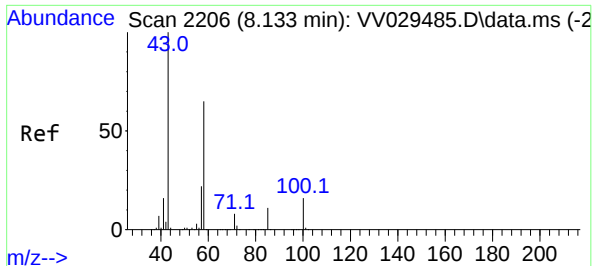
164 100

129 99.9 65.3 121.3

131 97.3 63.1 117.1

166 100.0 90.8 168.6



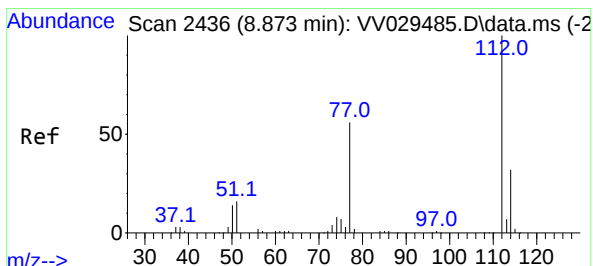
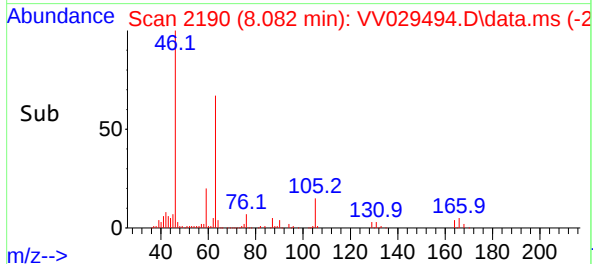
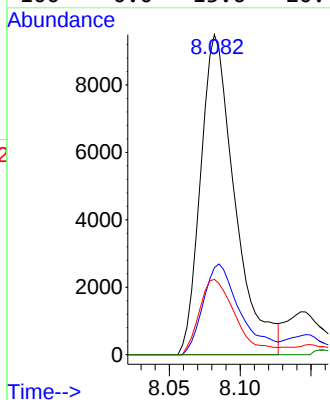
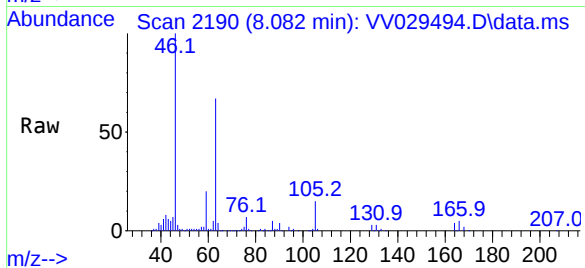


#48
2-Hexanone
Concen: 5.964 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.052 min
Lab File: VV029494.D
Acq: 08 Dec 2022 23:40

Instrument :
MSVOA_V
ClientSampleId :
F5N03

Tgt Ion: 43 Resp: 16011

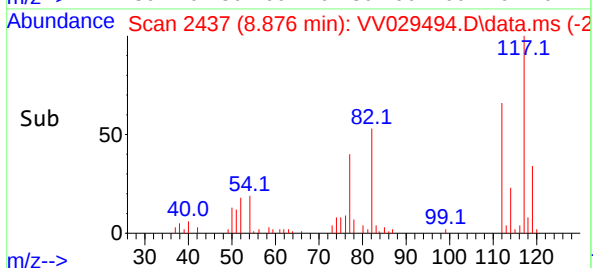
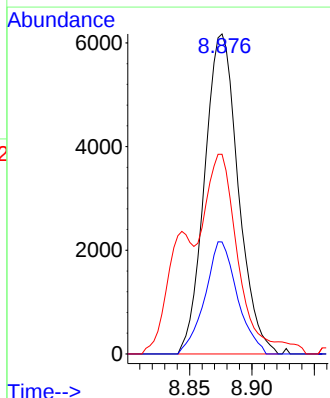
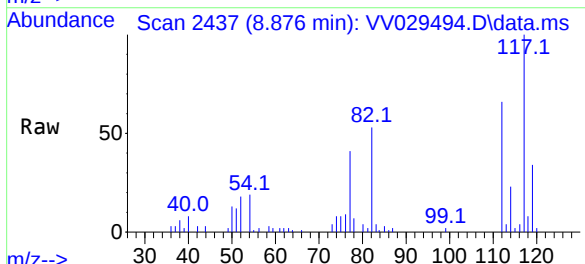
Ion	Ratio	Lower	Upper
43	100		
58	30.9	54.1	81.1#
57	25.0	17.4	26.0
100	0.0	13.6	20.4#

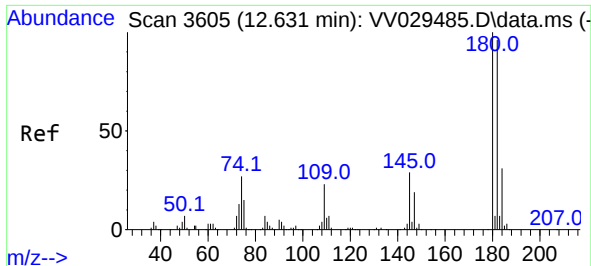


#51
Chlorobenzene
Concen: 1.392 ug/L
RT: 8.876 min Scan# 2437
Delta R.T. 0.003 min
Lab File: VV029494.D
Acq: 08 Dec 2022 23:40

Tgt Ion: 112 Resp: 11588

Ion	Ratio	Lower	Upper
112	100		
114	35.0	22.3	41.3
77	62.4	45.0	67.4



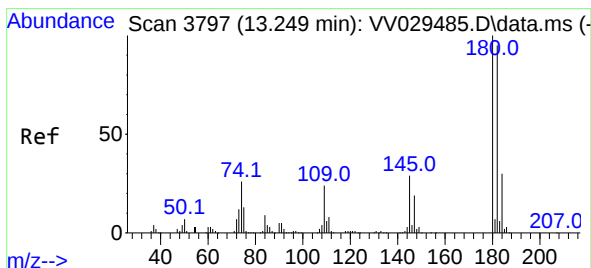
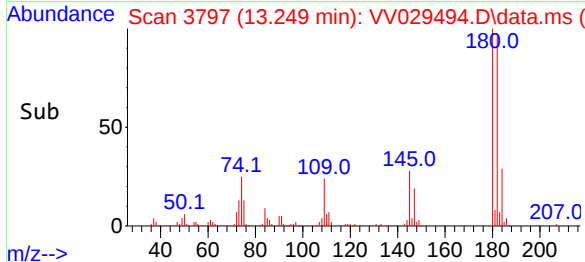
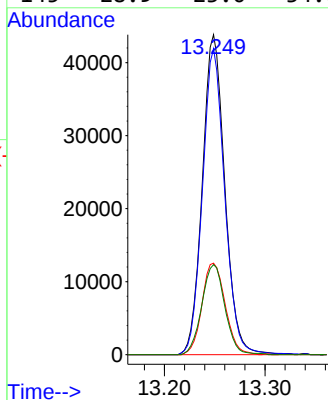
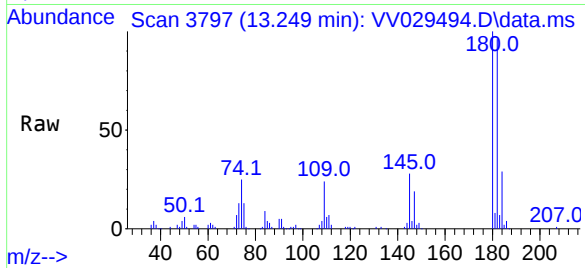


#69
1,3,5-Trichlorobenzene
Concen: 12.573 ug/L
RT: 13.249 min Scan# 31
Delta R.T. 0.617 min
Lab File: VV029494.D
Acq: 08 Dec 2022 23:40

Instrument :
MSVOA_V
ClientSampleId :
F5N03

Tgt Ion:180 Resp: 67982

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.5	114.7
184	29.6	24.6	36.8
145	28.9	23.0	34.6



#70
1,2,4-trichlorobenzene
Concen: 14.139 ug/L
RT: 13.249 min Scan# 3797
Delta R.T. -0.000 min
Lab File: VV029494.D
Acq: 08 Dec 2022 23:40

Tgt Ion:180 Resp: 67982

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.3	114.5
145	28.9	23.7	35.5

