

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW090122\
 Data File : VW027710.D
 Acq On : 02 Sep 2022 09:33
 Operator : SY/MD
 Sample : N4404-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 03 04:15:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR083122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 02 03:03:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.593	114	140009	5.000	ug/L	-0.02
28) Chlorobenzene-d5	8.857	117	114656	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	50492	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.297	65	55094	3.622	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.400%
7) Chloroethane-d5	1.561	69	50558	3.973	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.400%
11) 1,1-Dichloroethene-d2	2.098	63	88174	2.962	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.200%#
20) 2-Butanone-d5	3.950	46	143724	55.888	ug/L	0.06
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.780%
24) Chloroform-d	4.346	84	124244	4.069	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.400%
26) 1,2-Dichloroethane-d4	5.027	65	67937	4.967	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
32) Benzene-d6	5.030	84	228370	4.863	ug/L	-0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
36) 1,2-Dichloropropane-d6	6.046	67	68918	4.744	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.800%
41) Toluene-d8	7.310	98	194682	4.787	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.800%
43) trans-1,3-Dichloroprop...	7.632	79	18793	4.199	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.000%
46) 2-Hexanone-d5	8.114	63	83184	49.428	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.860%
56) 1,1,2,2-Tetrachloroeth...	10.220	84	43559	4.660	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	61530	5.443	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.230	50	829	0.045	ug/L #	77
5) Vinyl chloride	1.301	62	7473	0.430	ug/L #	77
8) Chloroethane	1.301	64	2925	0.301	ug/L	91
12) 1,1-Dichloroethene	2.108	96	4237	0.363	ug/L #	1
13) Acetone	2.240	43	7322	4.208	ug/L	61
14) Carbon disulfide	2.285	76	7784	0.211	ug/L #	91
15) Methyl Acetate	2.452	43	3725	0.807	ug/L	94
22) cis-1,2-Dichloroethene	3.902	96	29560	2.236	ug/L	92
25) Chloroform	4.371	83	28053	1.030	ug/L	100
34) Trichloroethene	5.879	95	21883	1.991	ug/L	96
35) Methylcyclohexane	6.043	83	18027	1.057	ug/L #	18
37) 1,2-Dichloropropane	6.046	63	8885	0.787	ug/L #	89
39) cis-1,3-Dichloropropene	6.969	75	1836	0.133	ug/L #	55
44) trans-1,3-Dichloropropene	7.622	75	893	0.079	ug/L #	34
45) 1,1,2-Trichloroethane	7.850	97	2646	0.363	ug/L	94
47) Tetrachloroethene	7.976	164	47384	5.316	ug/L	99
49) Dibromochloromethane	7.976	129	44575	5.165	ug/L #	12
50) 1,2-Dibromoethane	8.320	107	733	0.112	ug/L #	1
53) m,p-Xylene	9.146	106	2767	0.159	ug/L	97

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 02 03:03:49 2022
Response via : Initial Calibration

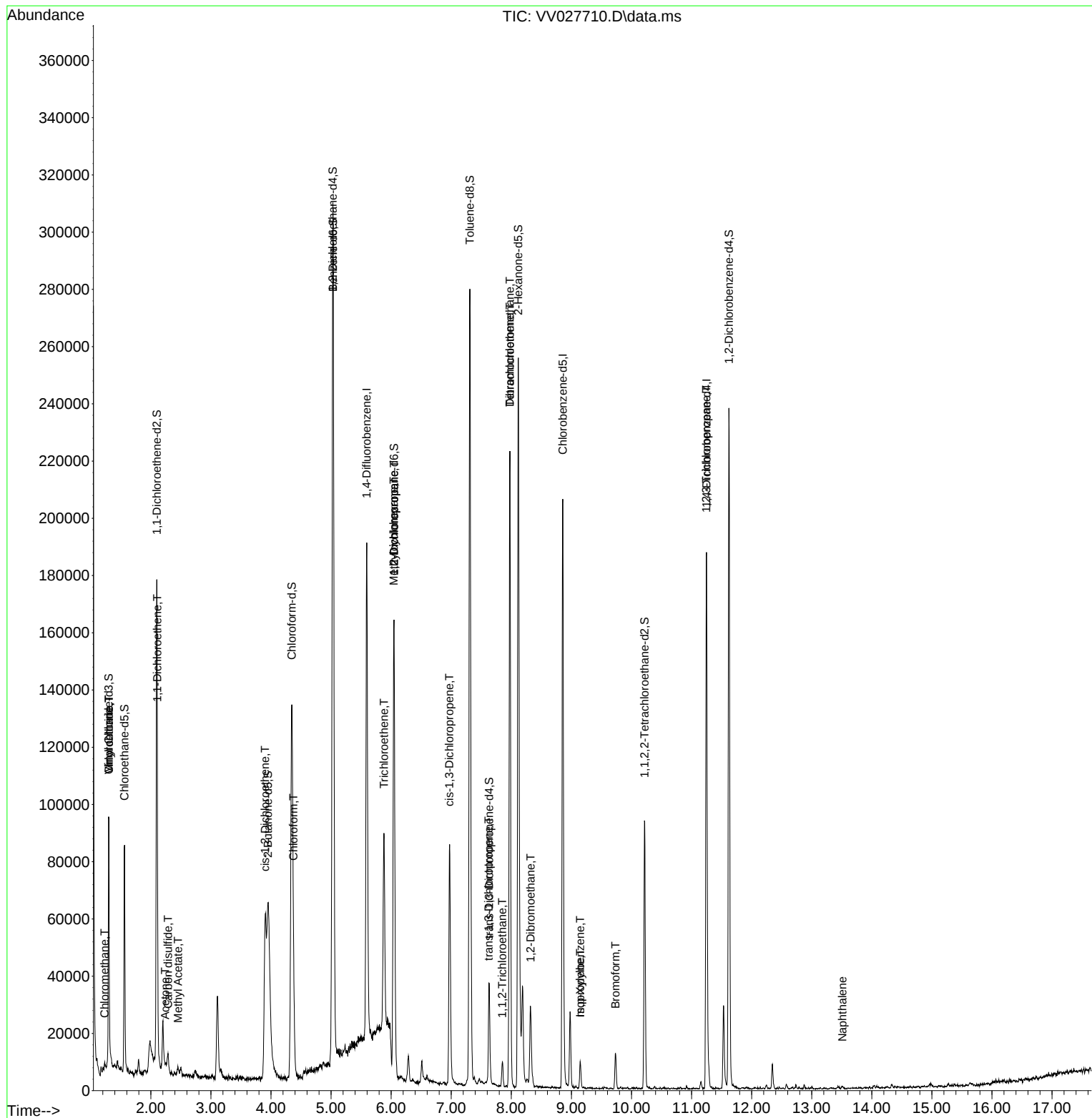
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) Bromoform	9.734	173	5373	1.498	ug/L	95
60) Isopropylbenzene	9.146	105	1480	0.039	ug/L #	24
61) 1,2,3-Trichloropropane	11.246	75	5266	1.031	ug/L #	60
71) Naphthalene	13.512	128	995	0.065	ug/L #	78

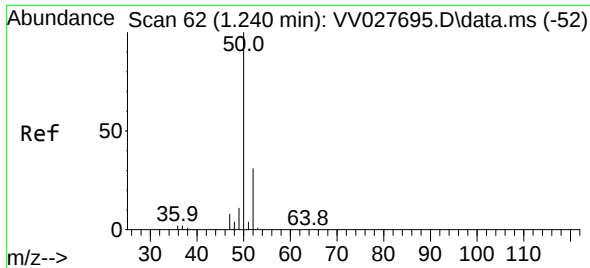
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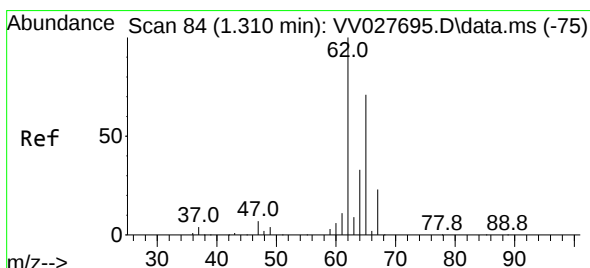
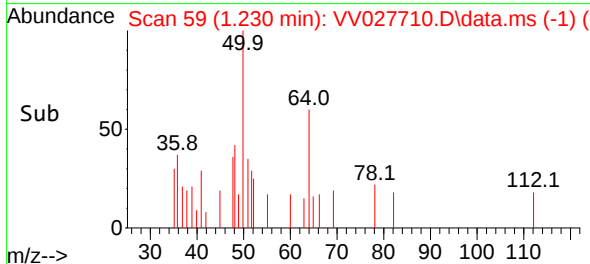
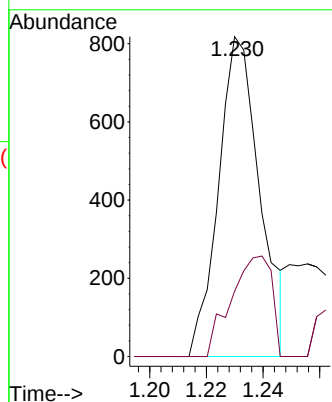
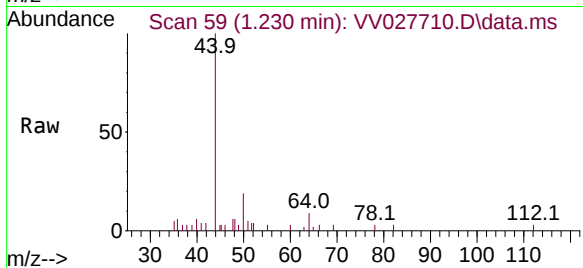




#3
Chloromethane
Concen: 0.045 ug/L
RT: 1.230 min Scan# 51
Delta R.T. -0.010 min
Lab File: VV027710.D
Acq: 02 Sep 2022 09:33

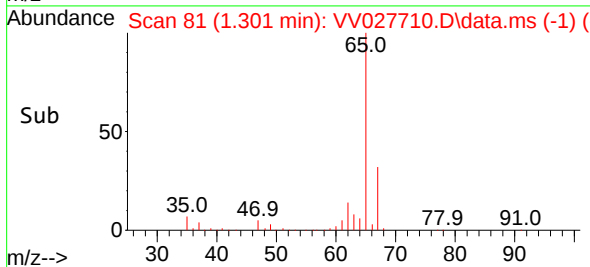
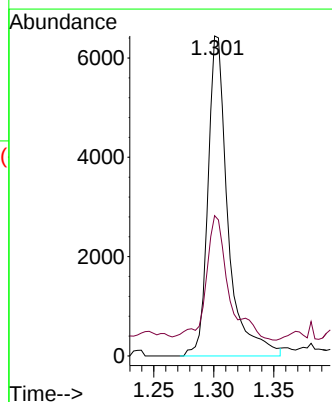
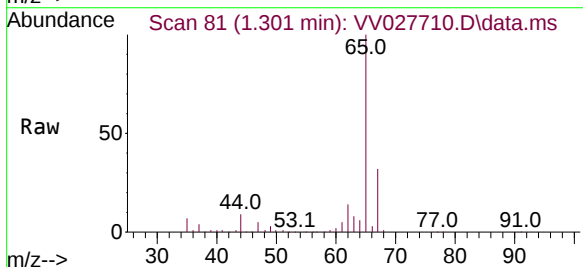
Instrument :
MSVOA_V
ClientSampleId :

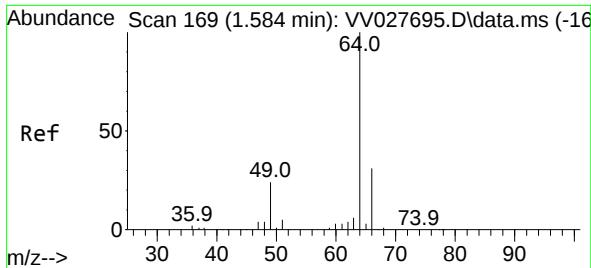
Tgt Ion: 50 Resp: 829
Ion Ratio Lower Upper
50 100
52 20.4 23.5 43.7#



#5
Vinyl chloride
Concen: 0.430 ug/L
RT: 1.301 min Scan# 81
Delta R.T. -0.010 min
Lab File: VV027710.D
Acq: 02 Sep 2022 09:33

Tgt Ion: 62 Resp: 7473
Ion Ratio Lower Upper
62 100
64 43.9 21.8 40.4#

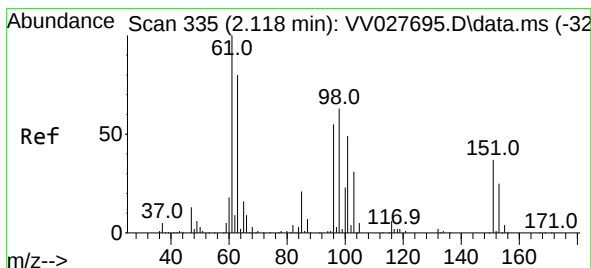
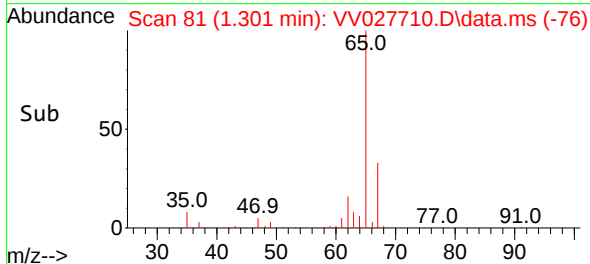
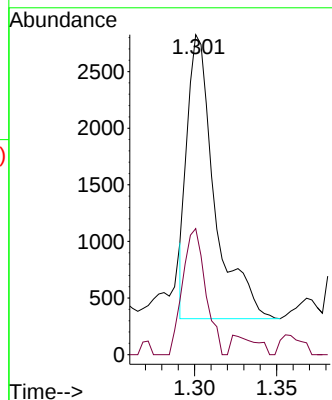
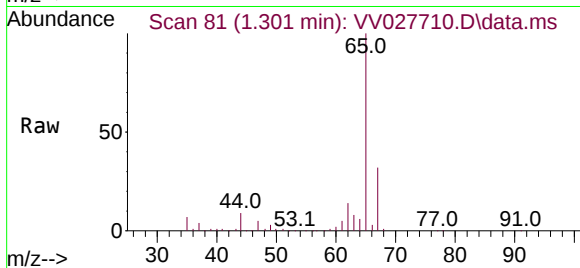




#8
Chloroethane
Concen: 0.301 ug/L
RT: 1.301 min Scan# 81
Delta R.T. -0.283 min
Lab File: VV027710.D
Acq: 02 Sep 2022 09:33

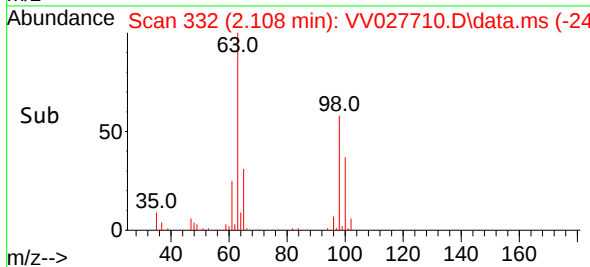
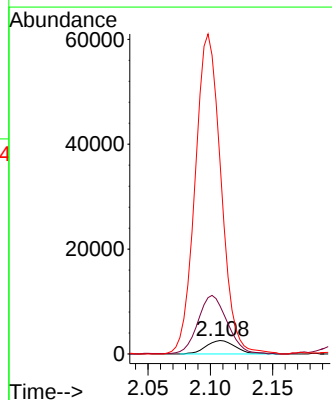
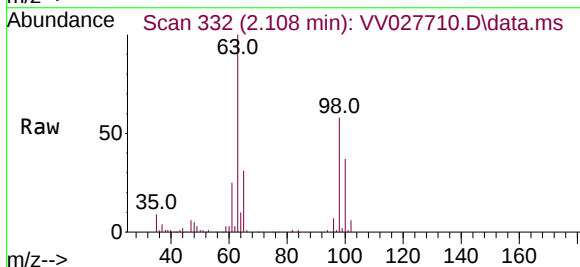
Instrument :
MSVOA_V
ClientSampleId :

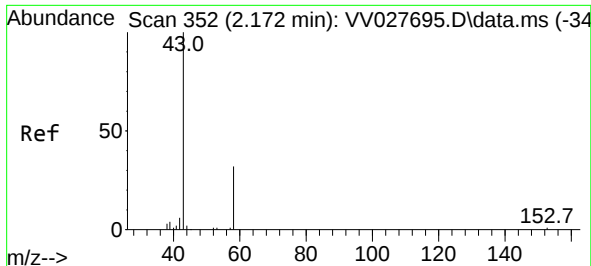
Tgt Ion: 64 Resp: 2925
Ion Ratio Lower Upper
64 100
66 39.4 24.0 44.6



#12
1,1-Dichloroethene
Concen: 0.363 ug/L
RT: 2.108 min Scan# 332
Delta R.T. -0.010 min
Lab File: VV027710.D
Acq: 02 Sep 2022 09:33

Tgt Ion: 96 Resp: 4237
Ion Ratio Lower Upper
96 100
61 355.1 134.3 249.3#
63 1419.1 105.7 196.3#





#13

Acetone

Concen: 4.208 ug/L

RT: 2.240 min Scan# 31

Delta R.T. 0.067 min

Lab File: VV027710.D

Acq: 02 Sep 2022 09:33

Instrument :

MSVOA_V

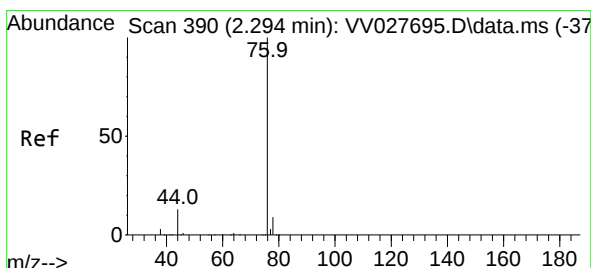
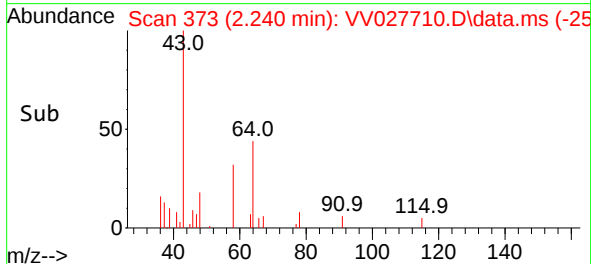
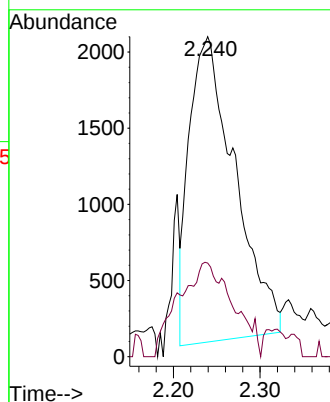
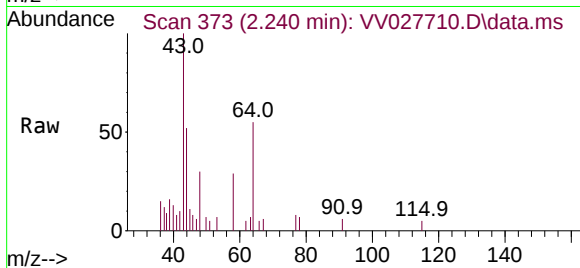
ClientSampleId :

Tgt Ion: 43 Resp: 7322

Ion Ratio Lower Upper

43 100

58 36.8 0.0 38.4



#14

Carbon disulfide

Concen: 0.211 ug/L

RT: 2.285 min Scan# 387

Delta R.T. -0.010 min

Lab File: VV027710.D

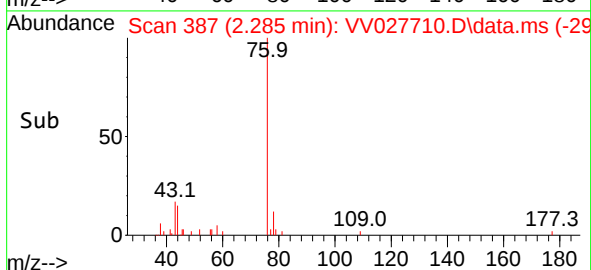
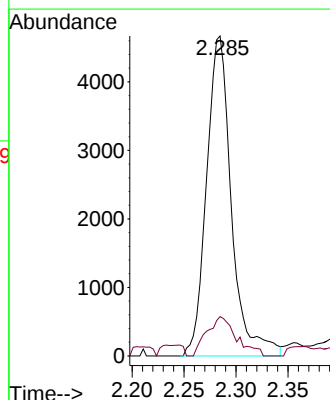
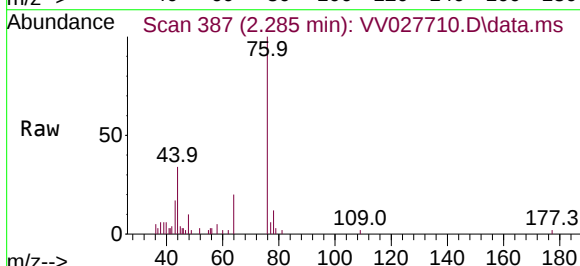
Acq: 02 Sep 2022 09:33

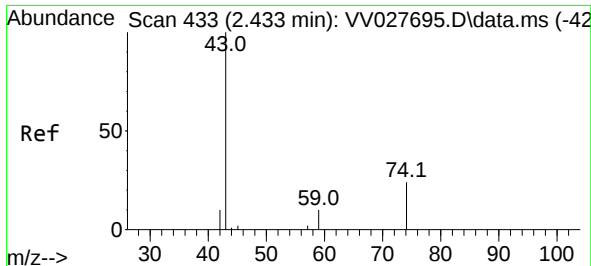
Tgt Ion: 76 Resp: 7784

Ion Ratio Lower Upper

76 100

78 12.3 7.4 11.0#

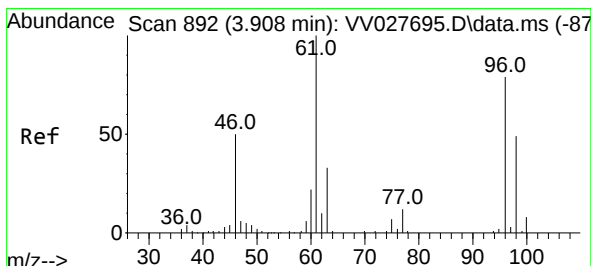
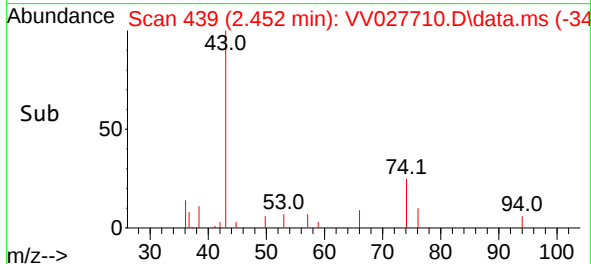
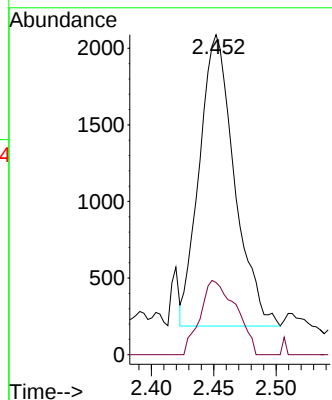
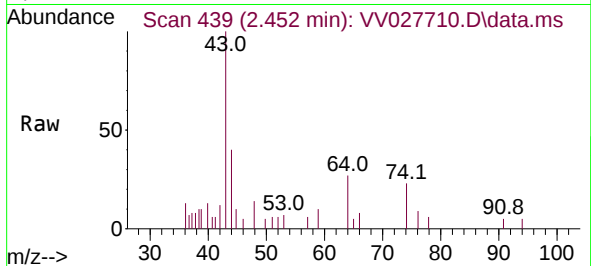




#15
Methyl Acetate
Concen: 0.807 ug/L
RT: 2.452 min Scan# 41
Delta R.T. 0.019 min
Lab File: VV027710.D
Acq: 02 Sep 2022 09:33

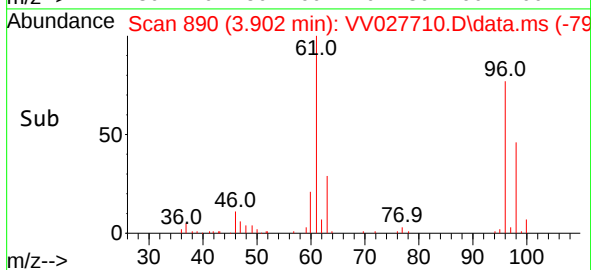
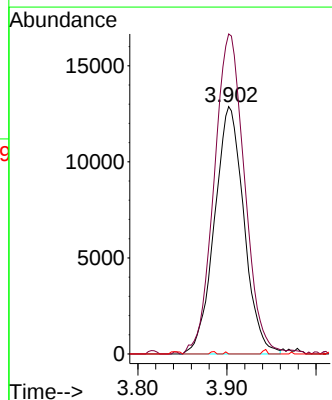
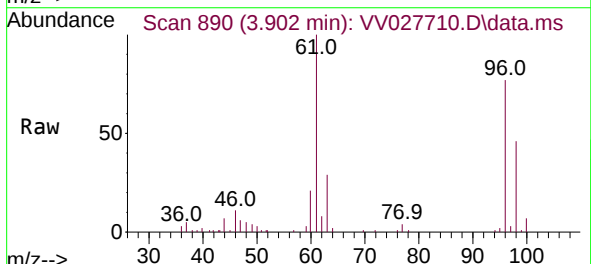
Instrument :
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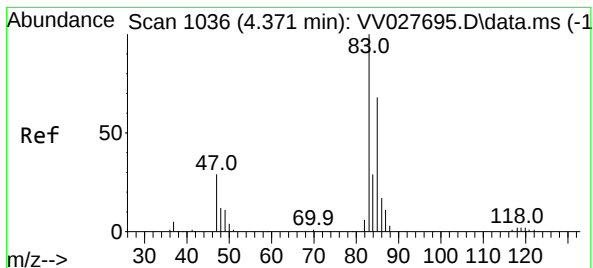
Tgt Ion: 43 Resp: 3725
Ion Ratio Lower Upper
43 100
74 25.9 18.2 27.4



#22
cis-1,2-Dichloroethene
Concen: 2.236 ug/L
RT: 3.902 min Scan# 890
Delta R.T. -0.007 min
Lab File: VV027710.D
Acq: 02 Sep 2022 09:33

Tgt Ion: 96 Resp: 29560
Ion Ratio Lower Upper
96 100
61 129.4 96.9 180.1
68 0.0 0.0 0.0





#25

Chloroform

Concen: 1.030 ug/L

RT: 4.371 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV027710.D

Acq: 02 Sep 2022 09:33

Instrument :

MSVOA_V

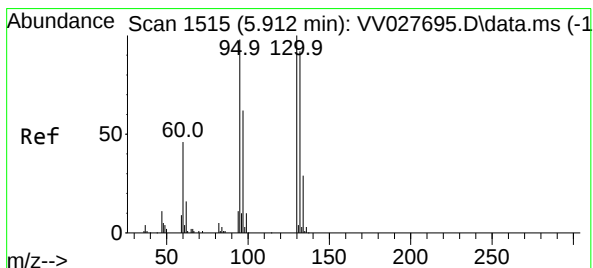
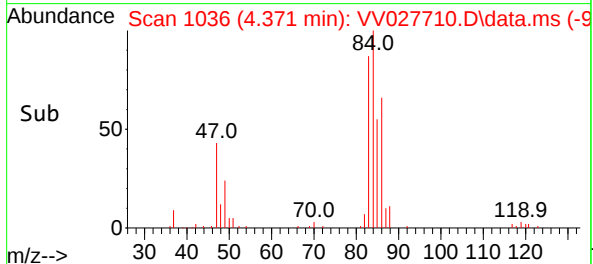
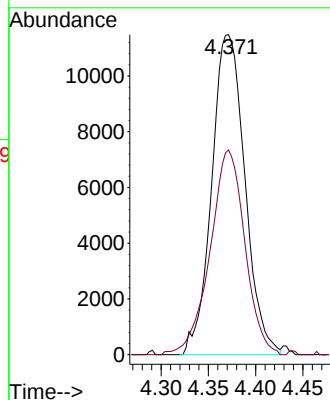
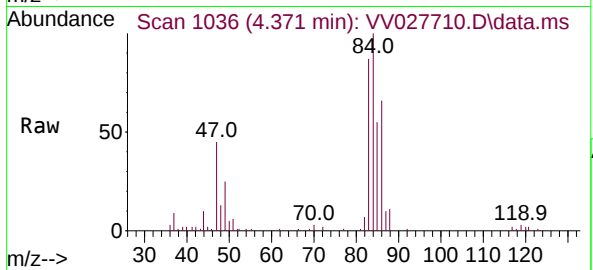
ClientSampleId :

Tgt Ion: 83 Resp: 28053

Ion Ratio Lower Upper

83 100

85 64.0 44.7 83.1



#34

Trichloroethene

Concen: 1.991 ug/L

RT: 5.879 min Scan# 1505

Delta R.T. -0.032 min

Lab File: VV027710.D

Acq: 02 Sep 2022 09:33

Tgt Ion: 95 Resp: 21883

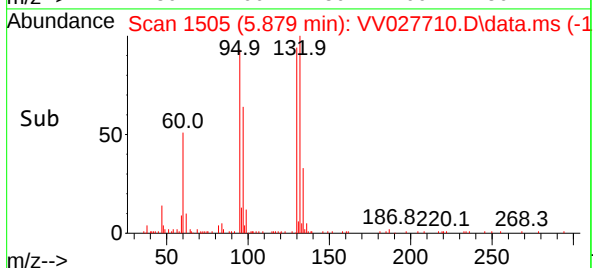
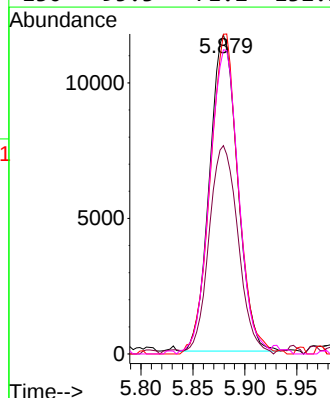
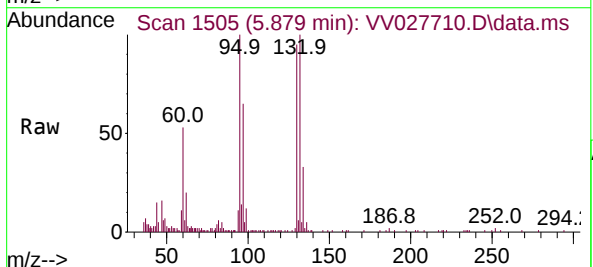
Ion Ratio Lower Upper

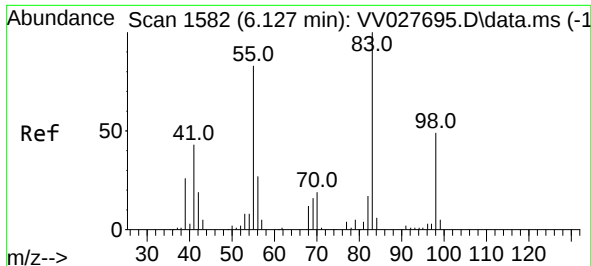
95 100

97 65.3 46.1 85.5

132 100.2 67.3 125.1

130 95.3 71.2 132.2

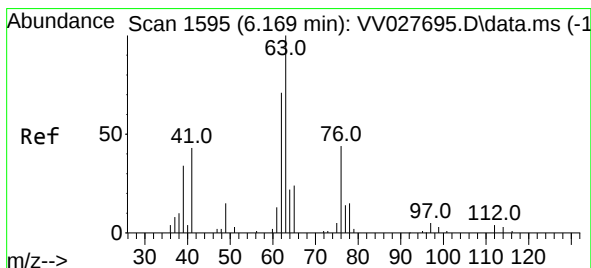
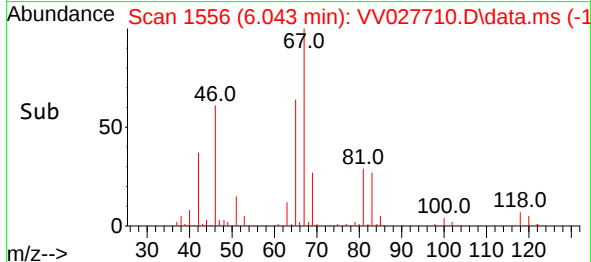
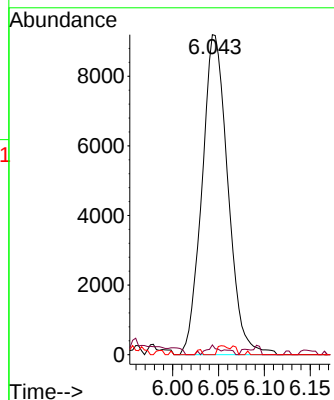
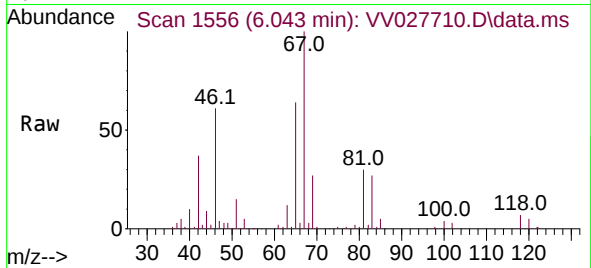




#35
Methylcyclohexane
Concen: 1.057 ug/L
RT: 6.043 min Scan# 1556
Delta R.T. -0.084 min
Lab File: VV027710.D
Acq: 02 Sep 2022 09:33

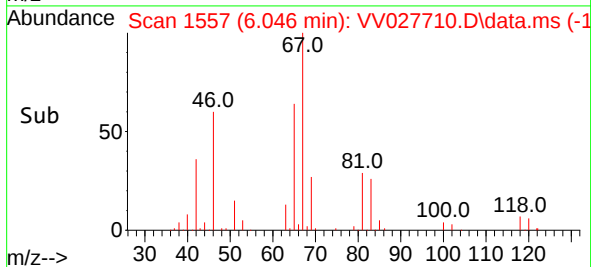
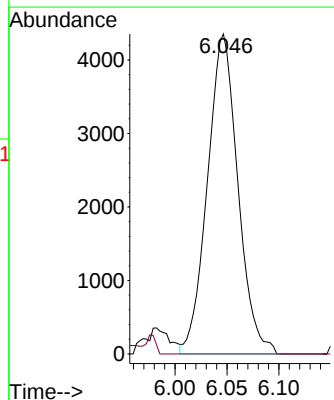
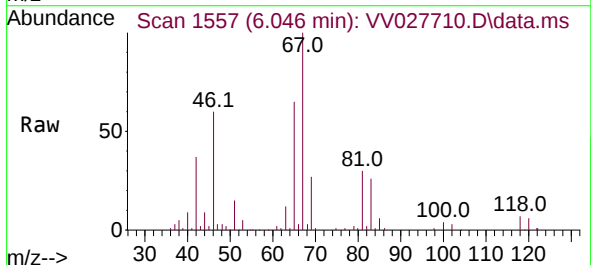
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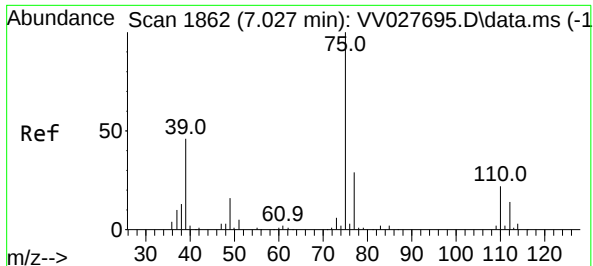
Tgt Ion: 83 Resp: 18027
Ion Ratio Lower Upper
83 100
55 1.3 66.0 99.0#
98 1.7 36.9 55.3#



#37
1,2-Dichloropropane
Concen: 0.787 ug/L
RT: 6.046 min Scan# 1557
Delta R.T. -0.122 min
Lab File: VV027710.D
Acq: 02 Sep 2022 09:33

Tgt Ion: 63 Resp: 8885
Ion Ratio Lower Upper
63 100
112 0.0 2.9 4.3#





#39

cis-1,3-Dichloropropene

Concen: 0.133 ug/L

RT: 6.969 min Scan# 11

Delta R.T. -0.058 min

Lab File: VV027710.D

Acq: 02 Sep 2022 09:33

Instrument :

MSVOA_V

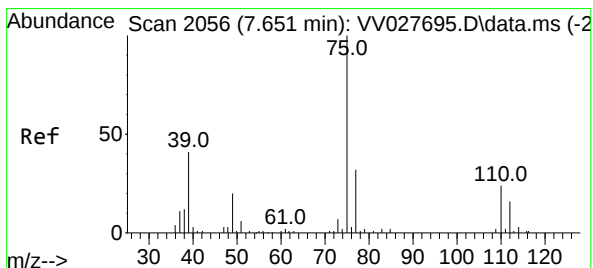
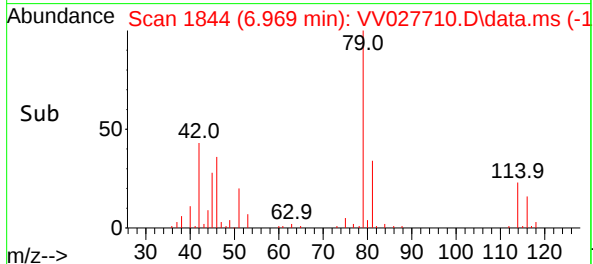
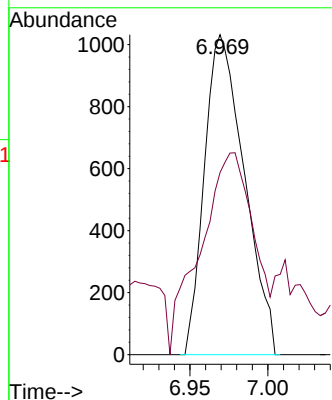
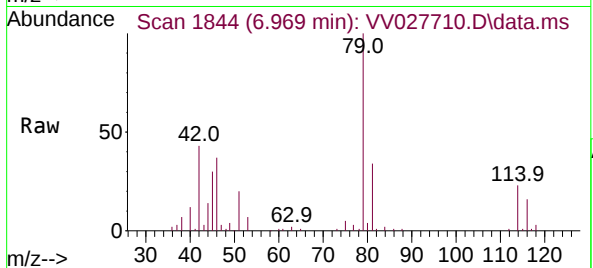
ClientSampleId :

Tgt Ion: 75 Resp: 1836

Ion Ratio Lower Upper

75 100

77 56.9 22.3 41.3#



#44

trans-1,3-Dichloropropene

Concen: 0.079 ug/L

RT: 7.622 min Scan# 2047

Delta R.T. -0.029 min

Lab File: VV027710.D

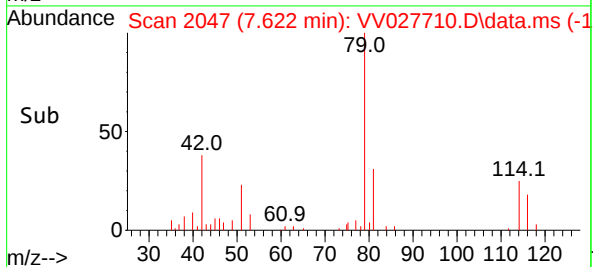
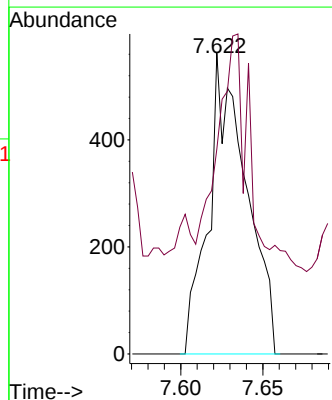
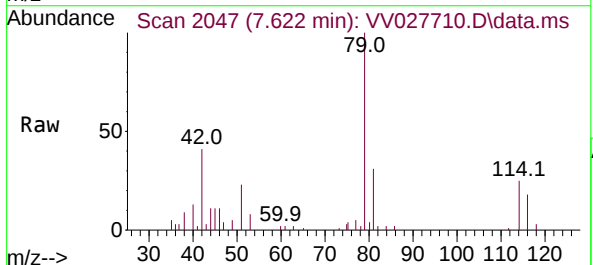
Acq: 02 Sep 2022 09:33

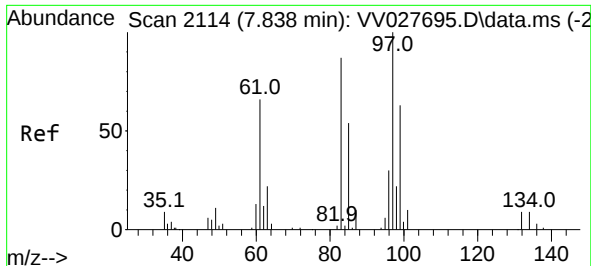
Tgt Ion: 75 Resp: 893

Ion Ratio Lower Upper

75 100

77 68.1 22.0 41.0#

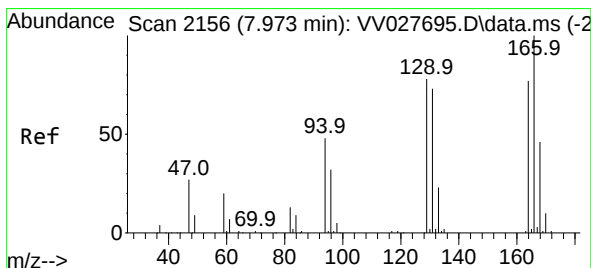
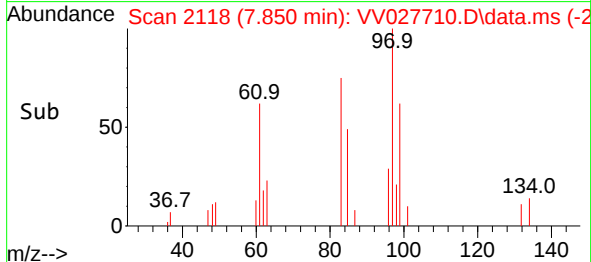
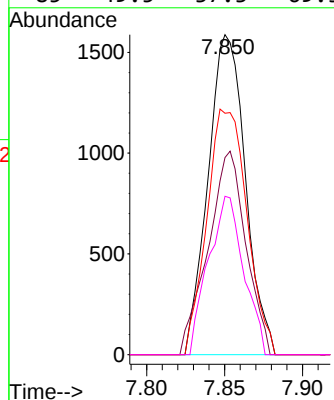
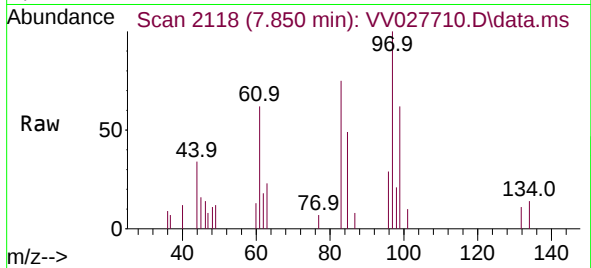




#45
1,1,2-Trichloroethane
Concen: 0.363 ug/L
RT: 7.850 min Scan# 2114
Delta R.T. 0.013 min
Lab File: VV027710.D
Acq: 02 Sep 2022 09:33

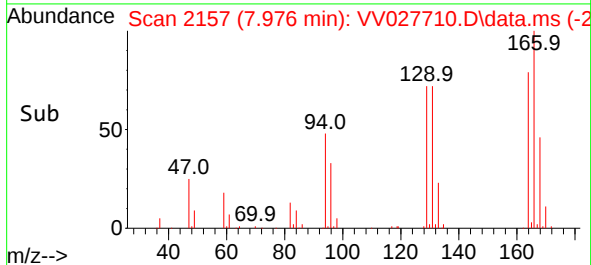
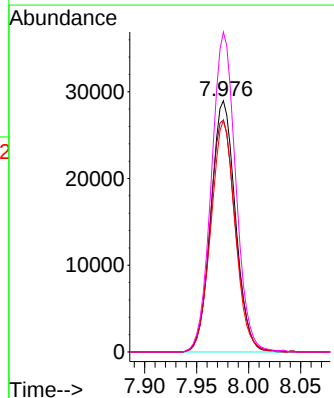
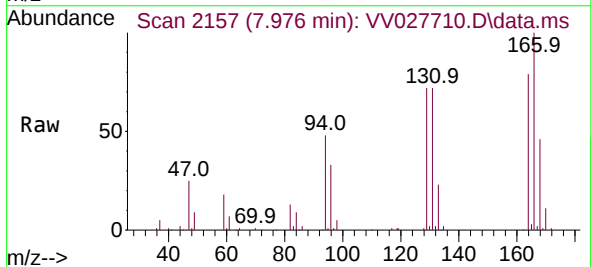
Instrument :
MSVOA_V
ClientSampleId :

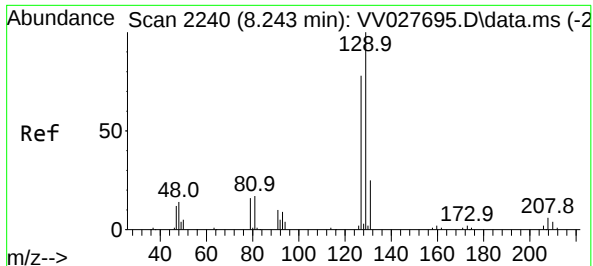
Tgt Ion:	97	Resp:	2646
Ion	Ratio	Lower	Upper
97	100		
99	61.6	41.3	76.7
83	75.4	57.5	106.9
85	49.5	37.3	69.3



#47
Tetrachloroethene
Concen: 5.316 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV027710.D
Acq: 02 Sep 2022 09:33

Tgt Ion:	164	Resp:	47384
Ion	Ratio	Lower	Upper
164	100		
129	92.3	65.9	122.3
131	92.3	64.5	119.7
166	127.4	88.8	165.0





#49

Dibromochloromethane

Concen: 5.165 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV027710.D

Acq: 02 Sep 2022 09:33

Instrument :

MSVOA_V

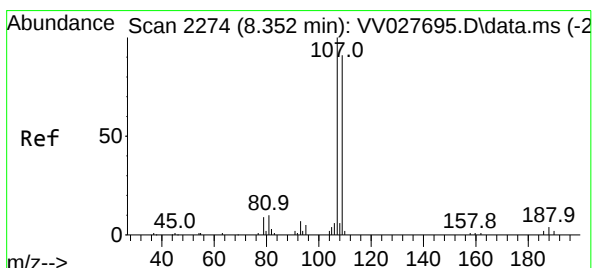
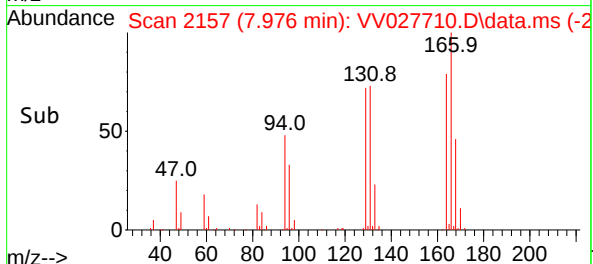
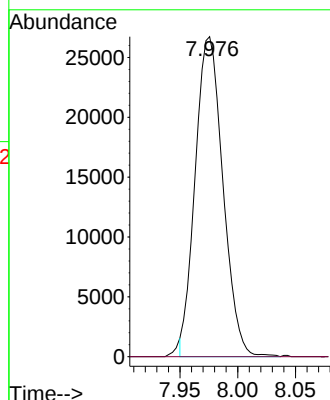
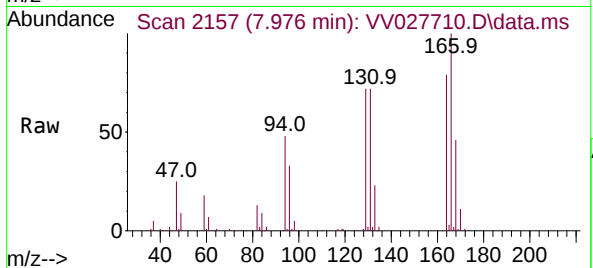
ClientSampleId :

Tgt Ion:129 Resp: 44575

Ion Ratio Lower Upper

129 100

127 0.0 52.4 97.4#



#50

1,2-Dibromoethane

Concen: 0.112 ug/L

RT: 8.320 min Scan# 2264

Delta R.T. -0.032 min

Lab File: VV027710.D

Acq: 02 Sep 2022 09:33

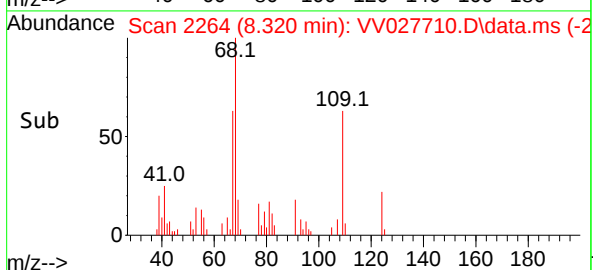
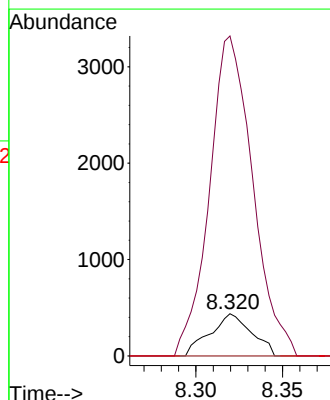
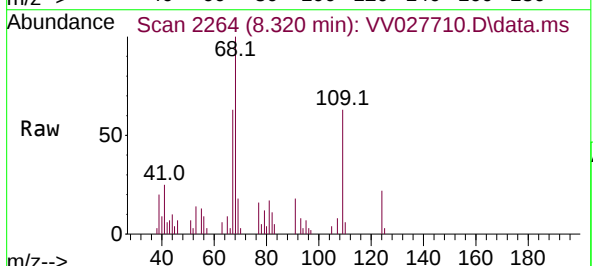
Tgt Ion:107 Resp: 733

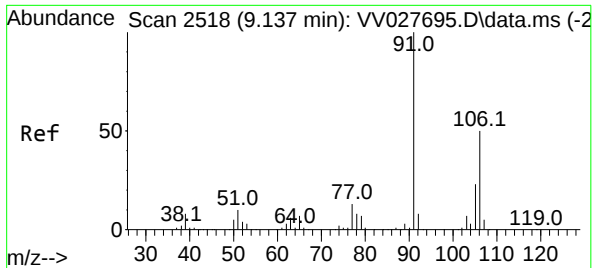
Ion Ratio Lower Upper

107 100

109 758.0 66.2 123.0#

188 0.0 2.6 3.8#

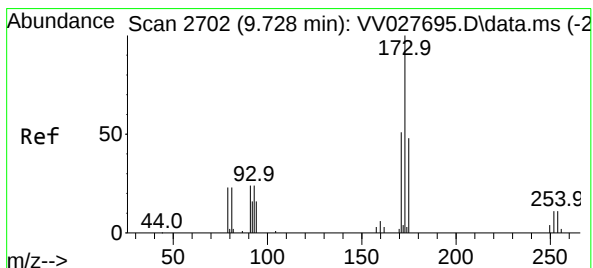
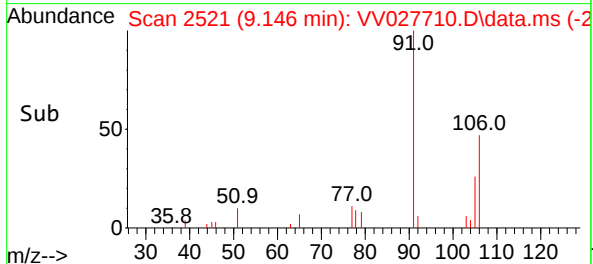
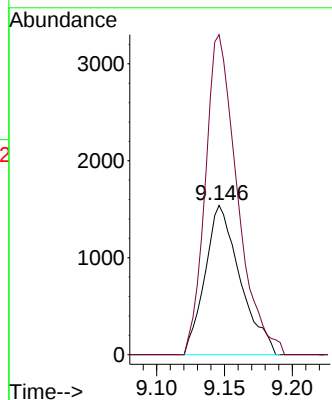
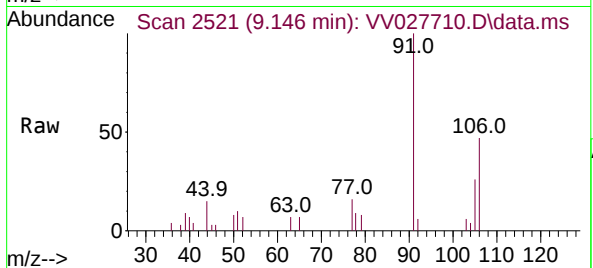




#53
m,p-Xylene
Concen: 0.159 ug/L
RT: 9.146 min Scan# 21
Delta R.T. 0.009 min
Lab File: VV027710.D
Acq: 02 Sep 2022 09:33

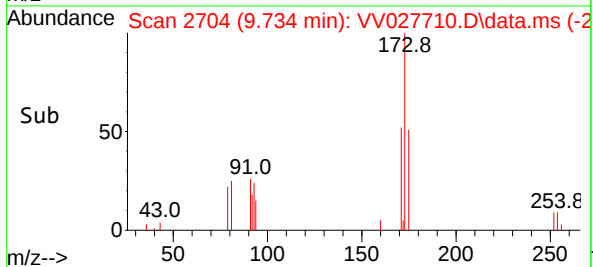
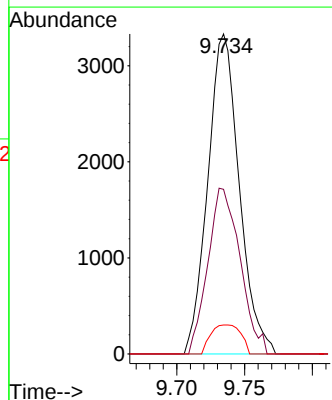
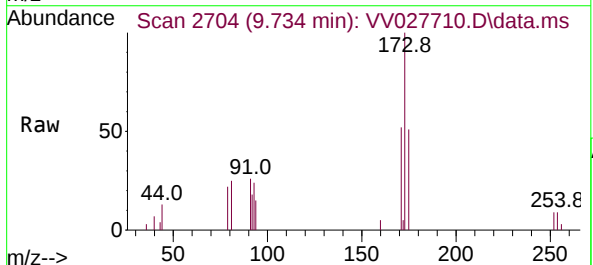
Instrument :
MSVOA_V
ClientSampleId :

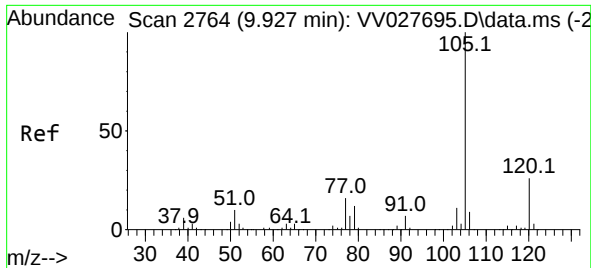
Tgt Ion:106 Resp: 2767
Ion Ratio Lower Upper
106 100
91 214.4 147.3 273.5



#59
Bromoform
Concen: 1.498 ug/L
RT: 9.734 min Scan# 2704
Delta R.T. 0.006 min
Lab File: VV027710.D
Acq: 02 Sep 2022 09:33

Tgt Ion:173 Resp: 5373
Ion Ratio Lower Upper
173 100
175 53.0 39.0 58.4
254 8.7 7.0 10.4

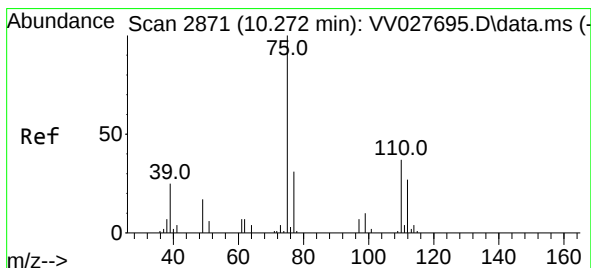
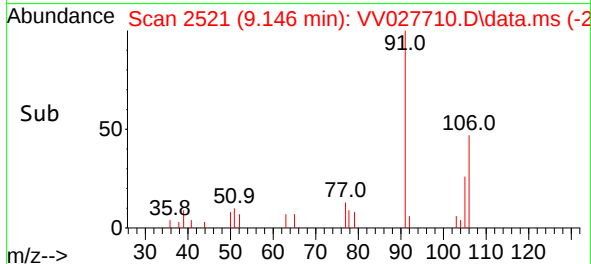
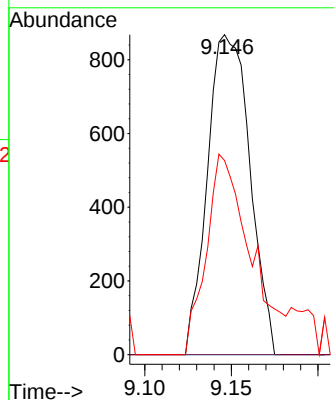
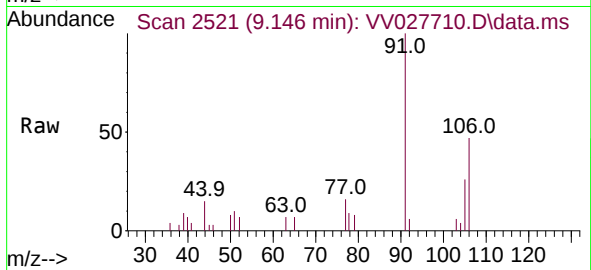




#60
Isopropylbenzene
Concen: 0.039 ug/L
RT: 9.146 min Scan# 21
Delta R.T. -0.781 min
Lab File: VV027710.D
Acq: 02 Sep 2022 09:33

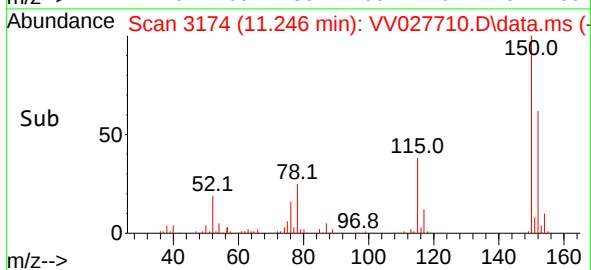
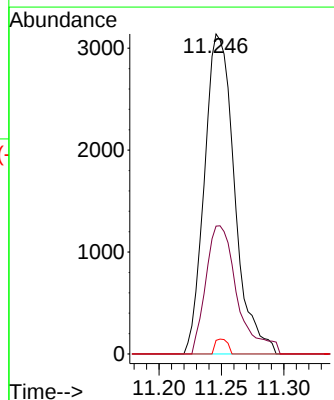
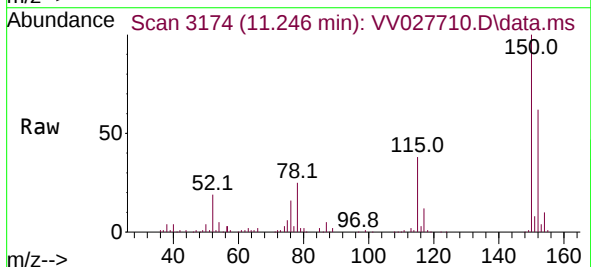
Instrument :
MSVOA_V
ClientSampleId :

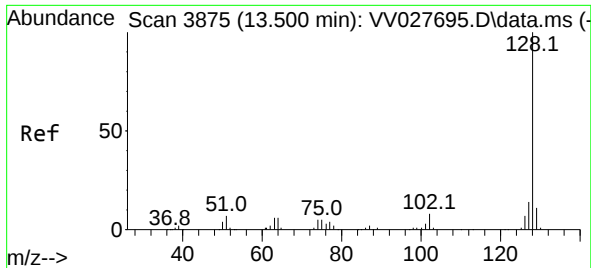
Tgt Ion:105 Resp: 1480
Ion Ratio Lower Upper
105 100
120 0.0 21.0 31.4#
77 65.2 12.7 19.1#



#61
1,2,3-Trichloropropane
Concen: 1.031 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.974 min
Lab File: VV027710.D
Acq: 02 Sep 2022 09:33

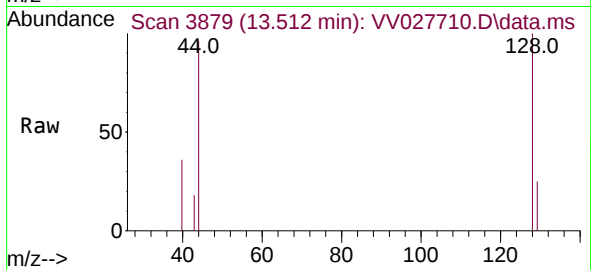
Tgt Ion: 75 Resp: 5266
Ion Ratio Lower Upper
75 100
77 41.8 25.8 38.6#
110 1.9 29.8 44.8#





#71
Naphthalene
Concen: 0.065 ug/L
RT: 13.512 min Scan# 3879
Delta R.T. 0.013 min
Lab File: VV027710.D
Acq: 02 Sep 2022 09:33

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:	128	Resp:	995
Ion	Ratio	Lower	Upper
128	100		
129	14.2	8.9	13.3#
127	0.0	10.9	16.3#

