

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW090122\
 Data File : VW027709.D
 Acq On : 02 Sep 2022 09:09
 Operator : SY/MD
 Sample : N4404-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 03 04:15:25 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	5.616	114	126847	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	127086	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	58872	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	52336	3.798	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.000%
7) Chloroethane-d5	1.568	69	51084	4.431	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.600%
11) 1,1-Dichloroethene-d2	2.108	63	85604	3.174	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.400%
20) 2-Butanone-d5	3.899	46	60833	26.110	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	52.220%
24) Chloroform-d	4.346	84	118385	4.279	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.600%
26) 1,2-Dichloroethane-d4	5.031	65	53876	4.347	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.000%
32) Benzene-d6	5.047	84	224319	4.309	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
36) 1,2-Dichloropropane-d6	6.066	67	64271	3.992	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.800%
41) Toluene-d8	7.313	98	175221	3.887	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.800%
43) trans-1,3-Dichloroprop...	7.622	79	18712	3.772	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.400%
46) 2-Hexanone-d5	8.088	63	76181	40.839	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.680%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	42633	4.114	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	67339	5.109	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	852	0.051	ug/L	95
5) Vinyl chloride	1.311	62	6881	0.437	ug/L #	67
6) Bromomethane	1.520	94	393	0.053	ug/L	90
8) Chloroethane	1.311	64	3253	0.369	ug/L	96
14) Carbon disulfide	2.294	76	2774	0.083	ug/L #	94
18) trans-1,2-Dichloroethene	2.764	96	439	0.037	ug/L	90
22) cis-1,2-Dichloroethene	3.912	96	30334	2.532	ug/L	89
27) 1,2-Dichloroethane	5.043	62	1602	0.119	ug/L #	82
33) Benzene	5.098	78	3145	0.063	ug/L	100
34) Trichloroethene	5.915	95	5847	0.480	ug/L	93
35) Methylcyclohexane	6.066	83	15752	0.833	ug/L #	17
39) cis-1,3-Dichloropropene	6.986	75	1606	0.105	ug/L	83
44) trans-1,3-Dichloropropene	7.625	75	920	0.074	ug/L #	75
47) Tetrachloroethene	7.973	164	70644	7.151	ug/L	99
49) Dibromochloromethane	7.973	129	64280	6.720	ug/L #	12
50) 1,2-Dibromoethane	8.378	107	433	0.060	ug/L #	61
52) Ethylbenzene	9.140	91	207451	4.137	ug/L #	66
53) m,p-Xylene	9.140	106	101688	5.275	ug/L	93
54) o-Xylene	9.545	106	1215	0.066	ug/L	96

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 Response via : Initial Calibration

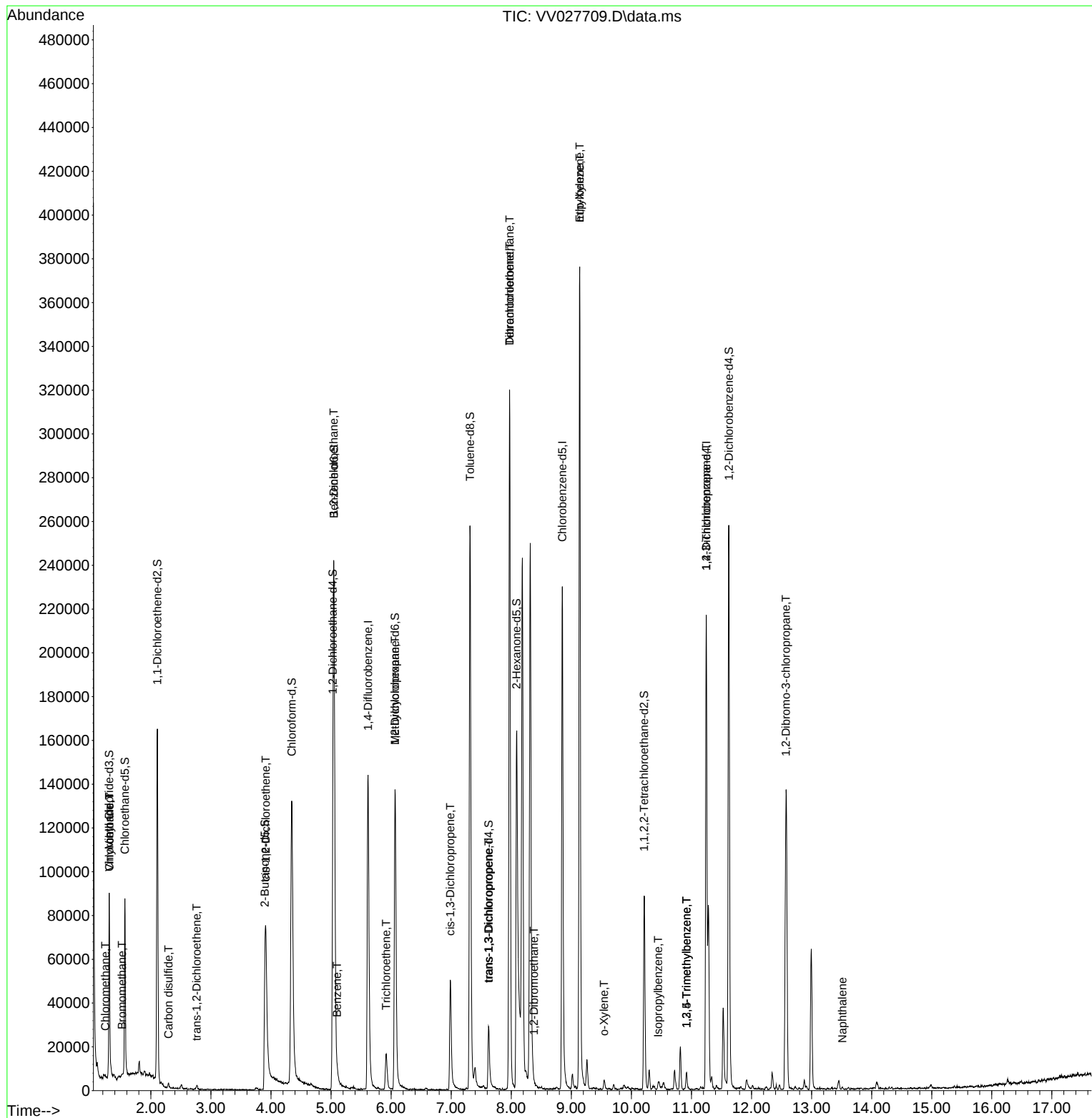
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	10.448	105	2788	0.063	ug/L #	81
61) 1,2,3-Trichloropropane	11.246	75	5865	0.985	ug/L #	62
62) 1,3,5-Trimethylbenzene	10.918	105	4411	0.363	ug/L	89
63) 1,2,4-Trimethylbenzene	10.918	105	4411	0.126	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.574	75	3634	3.063	ug/L #	8
71) Naphthalene	13.513	128	1056	0.059	ug/L #	86

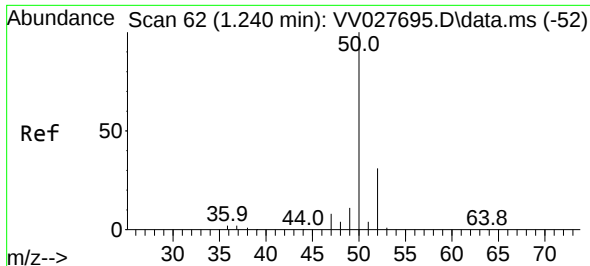
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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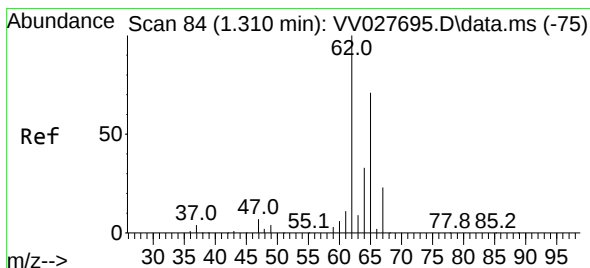
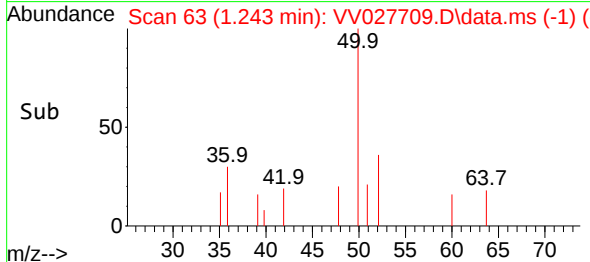
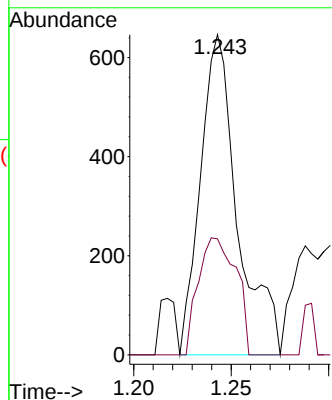
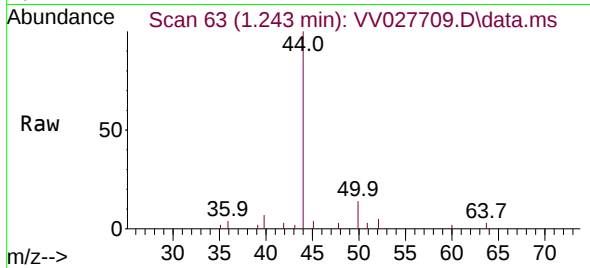




#3
Chloromethane
Concen: 0.051 ug/L
RT: 1.243 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV027709.D
Acq: 02 Sep 2022 09:09

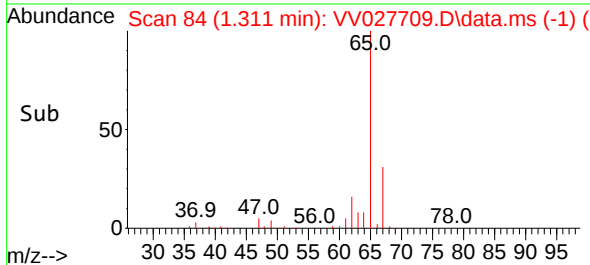
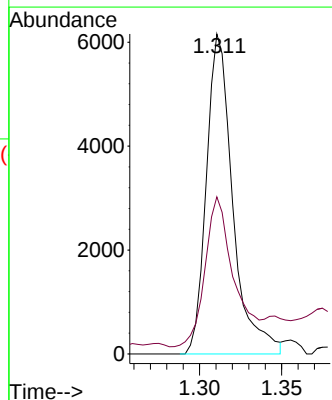
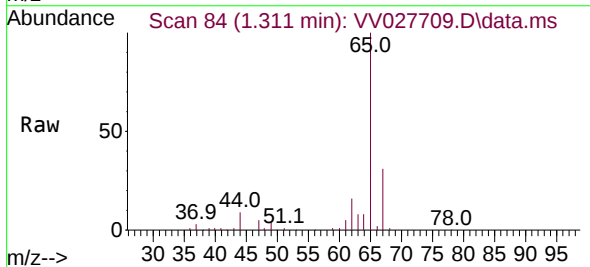
Instrument :
MSVOA_V
ClientSampleId :

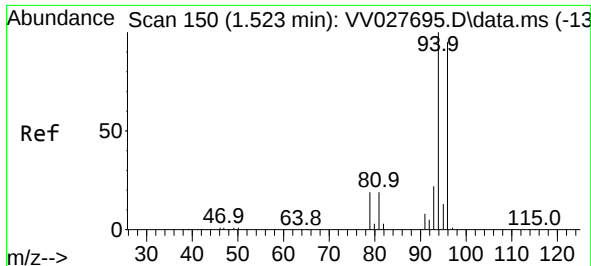
Tgt Ion: 50 Resp: 852
Ion Ratio Lower Upper
50 100
52 36.2 23.5 43.7



#5
Vinyl chloride
Concen: 0.437 ug/L
RT: 1.311 min Scan# 84
Delta R.T. 0.000 min
Lab File: VV027709.D
Acq: 02 Sep 2022 09:09

Tgt Ion: 62 Resp: 6881
Ion Ratio Lower Upper
62 100
64 49.1 21.8 40.4#

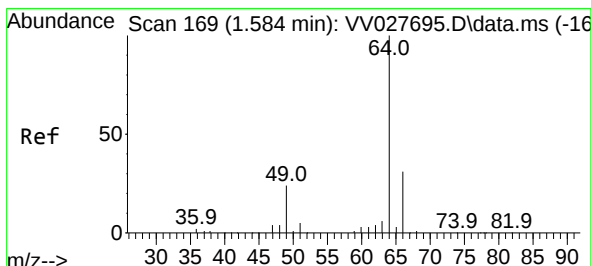
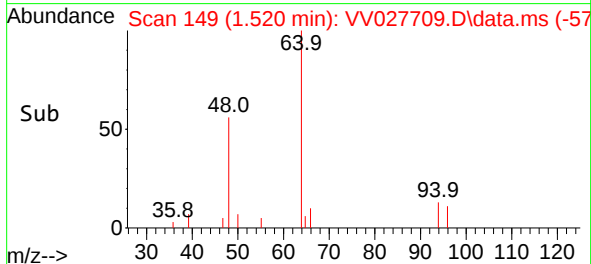
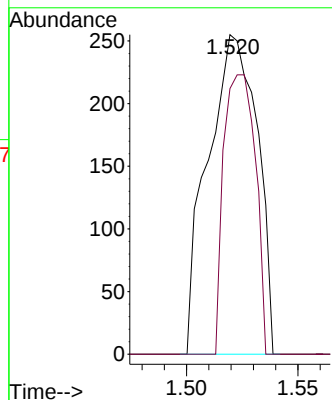
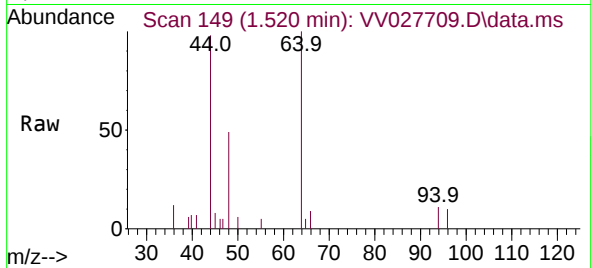




#6
Bromomethane
Concen: 0.053 ug/L
RT: 1.520 min Scan# 14
Delta R.T. -0.003 min
Lab File: VV027709.D
Acq: 02 Sep 2022 09:09

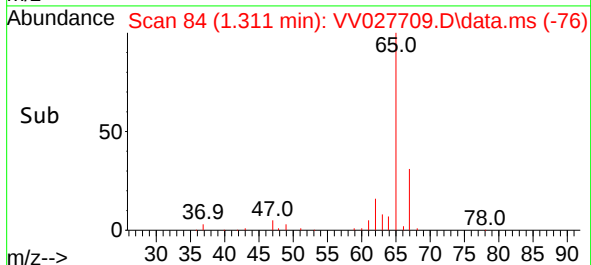
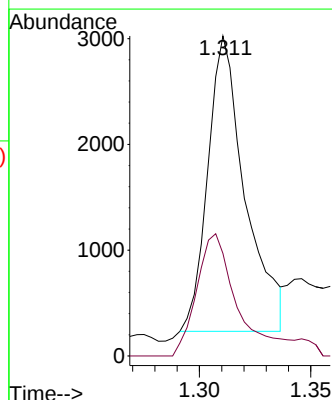
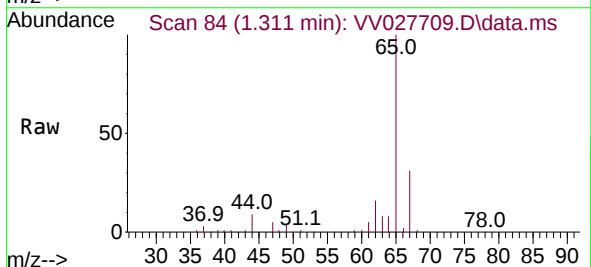
Instrument :
MSVOA_V
ClientSampleId :

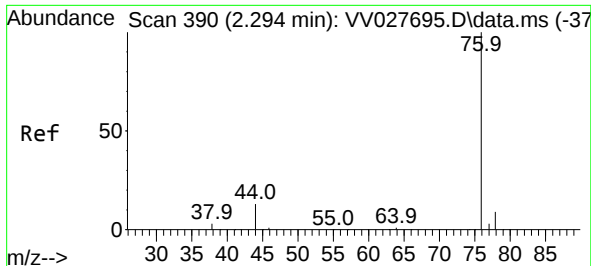
Tgt Ion: 94 Resp: 393
Ion Ratio Lower Upper
94 100
96 83.1 65.1 120.9



#8
Chloroethane
Concen: 0.369 ug/L
RT: 1.311 min Scan# 84
Delta R.T. -0.273 min
Lab File: VV027709.D
Acq: 02 Sep 2022 09:09

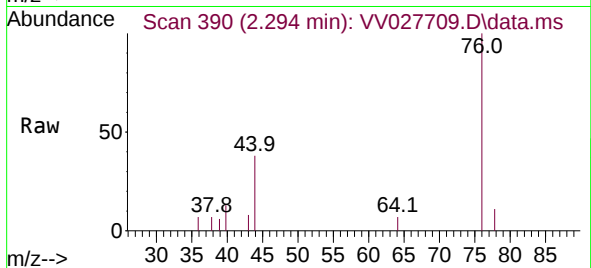
Tgt Ion: 64 Resp: 3253
Ion Ratio Lower Upper
64 100
66 32.0 24.0 44.6



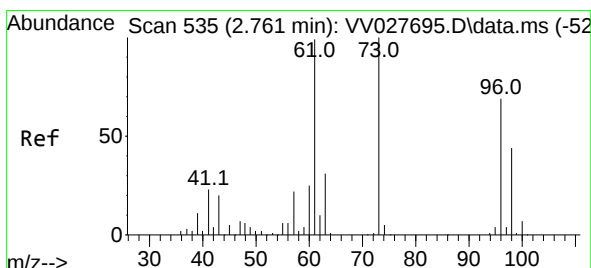
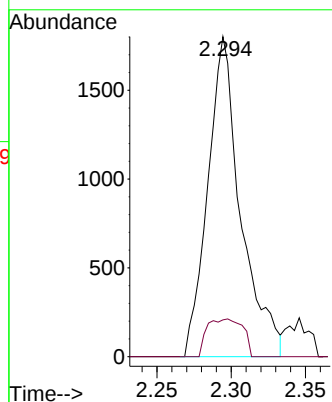
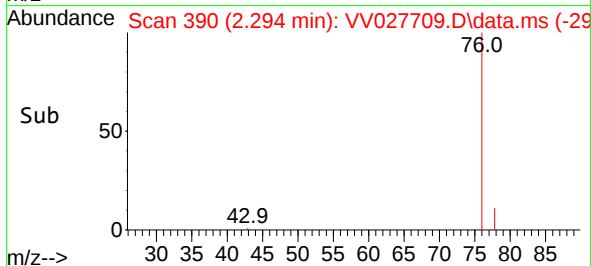


#14
Carbon disulfide
Concen: 0.083 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.000 min
Lab File: VV027709.D
Acq: 02 Sep 2022 09:09

Instrument :
MSVOA_V
ClientSampleId :

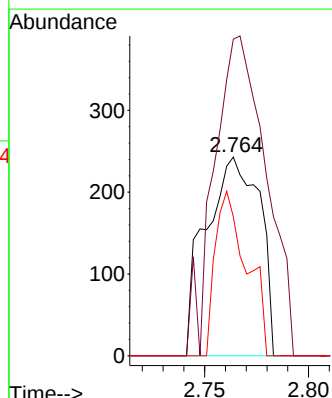
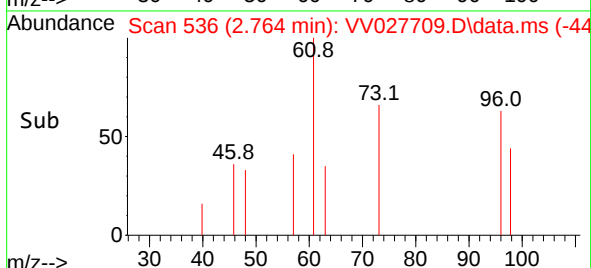
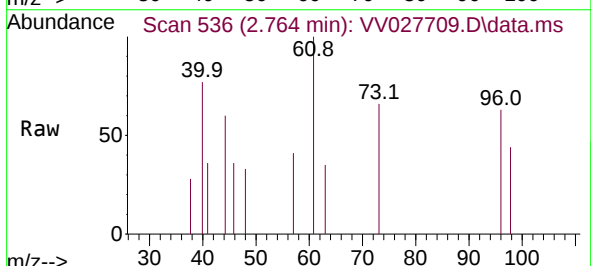


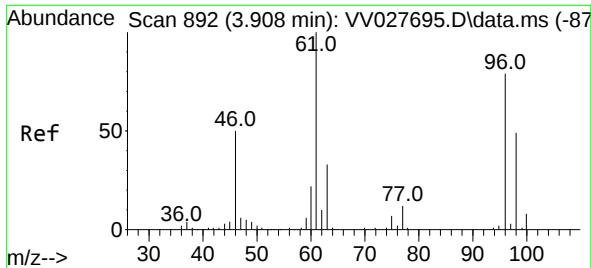
Tgt Ion: 76 Resp: 2774
Ion Ratio Lower Upper
76 100
78 11.5 7.4 11.0#



#18
trans-1,2-Dichloroethene
Concen: 0.037 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV027709.D
Acq: 02 Sep 2022 09:09

Tgt Ion: 96 Resp: 439
Ion Ratio Lower Upper
96 100
61 159.3 101.8 189.0
98 70.0 44.9 83.3





#22

cis-1,2-Dichloroethene

Concen: 2.532 ug/L

RT: 3.912 min Scan# 89

Delta R.T. 0.003 min

Lab File: VV027709.D

Acq: 02 Sep 2022 09:09

Instrument :

MSVOA_V

ClientSampleId :

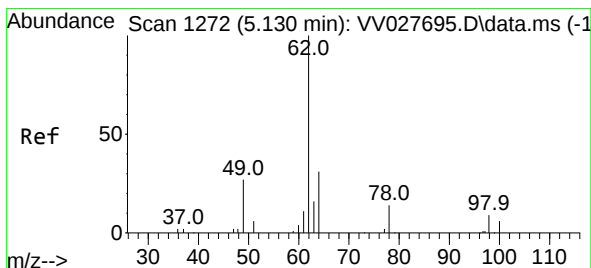
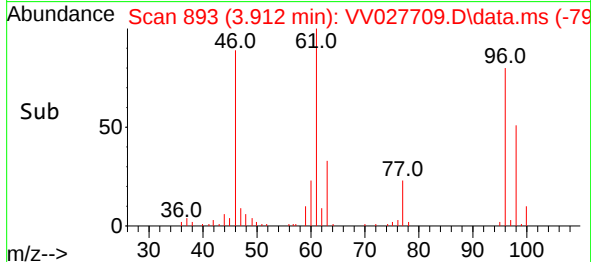
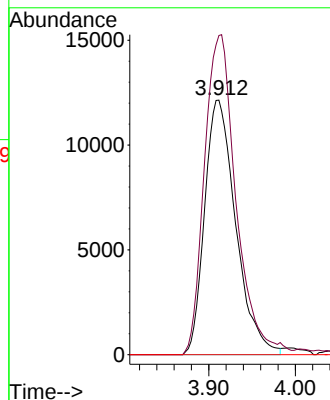
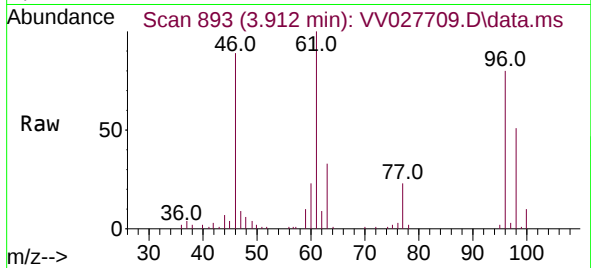
Tgt Ion: 96 Resp: 30334

Ion Ratio Lower Upper

96 100

61 125.4 96.9 180.1

68 0.0 0.0 0.0



#27

1,2-Dichloroethane

Concen: 0.119 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. -0.087 min

Lab File: VV027709.D

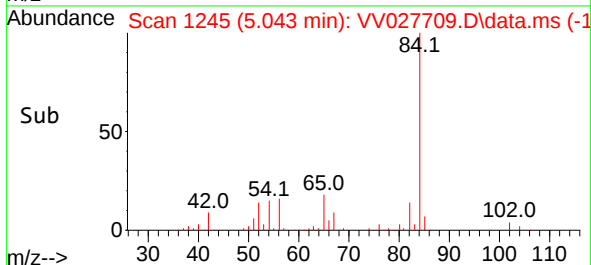
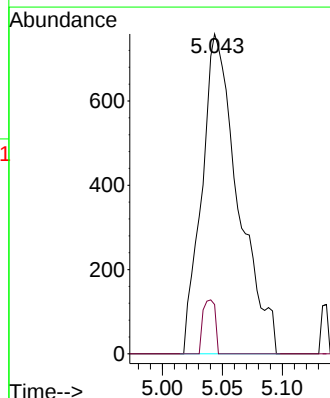
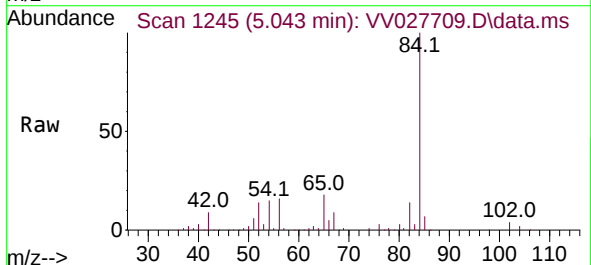
Acq: 02 Sep 2022 09:09

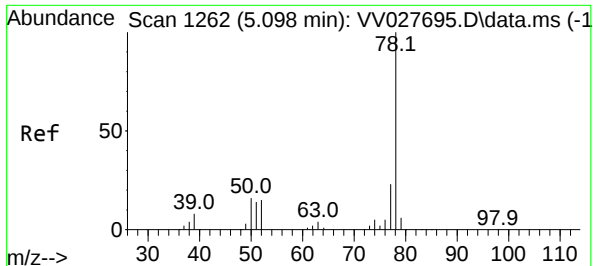
Tgt Ion: 62 Resp: 1602

Ion Ratio Lower Upper

62 100

98 15.4 7.0 10.6#

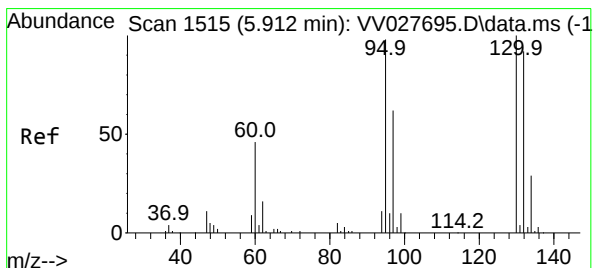
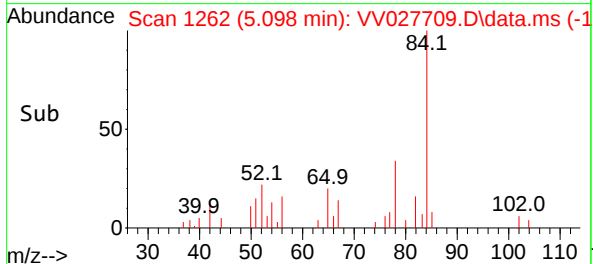
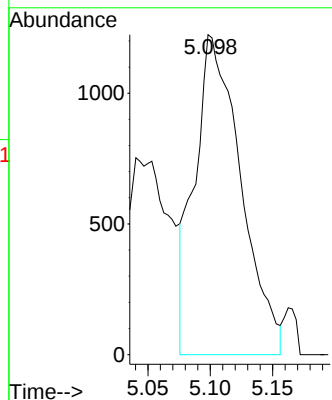
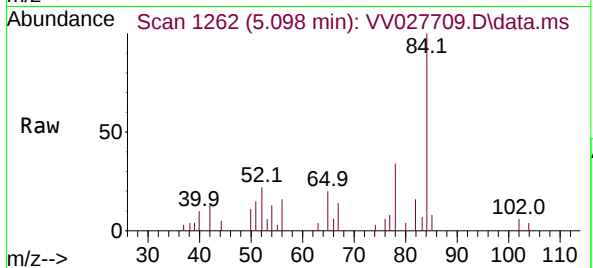




#33
Benzene
Concen: 0.063 ug/L
RT: 5.098 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV027709.D
Acq: 02 Sep 2022 09:09

Instrument :
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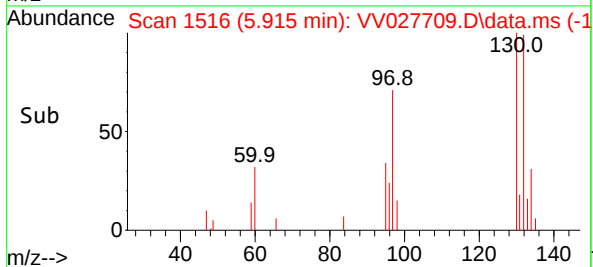
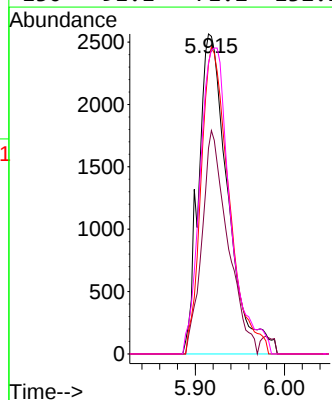
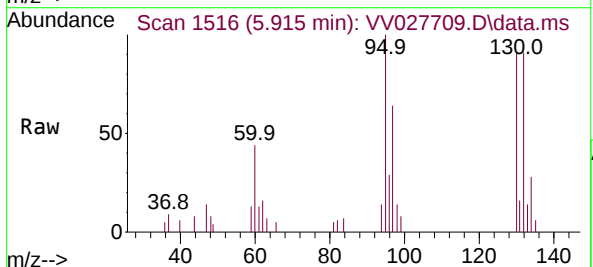
Tgt Ion: 78 Resp: 3145

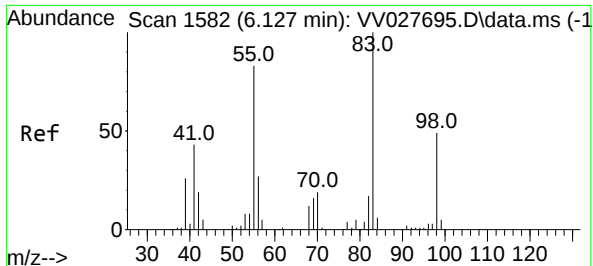


#34
Trichloroethene
Concen: 0.480 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.003 min
Lab File: VV027709.D
Acq: 02 Sep 2022 09:09

Tgt Ion: 95 Resp: 5847

Ion	Ratio	Lower	Upper
95	100		
97	64.3	46.1	85.5
132	90.6	67.3	125.1
130	91.1	71.2	132.2





#35

Methylcyclohexane

Concen: 0.833 ug/L

RT: 6.066 min Scan# 1

Delta R.T. -0.061 min

Lab File: VV027709.D

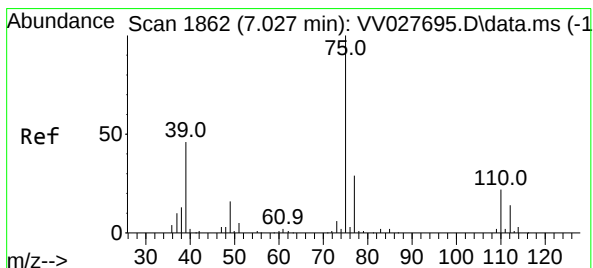
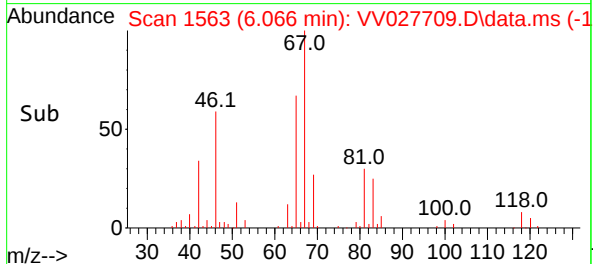
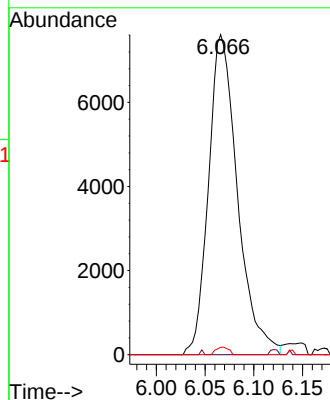
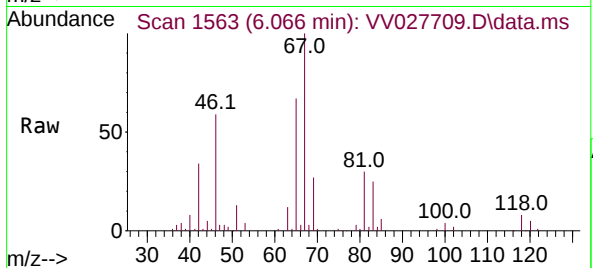
Acq: 02 Sep 2022 09:09

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83	Resp: 15752
Ion Ratio	Lower Upper
83 100	
55 0.1	66.0 99.0#
98 1.0	36.9 55.3#



#39

cis-1,3-Dichloropropene

Concen: 0.105 ug/L

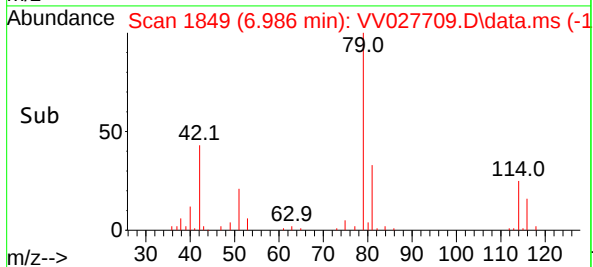
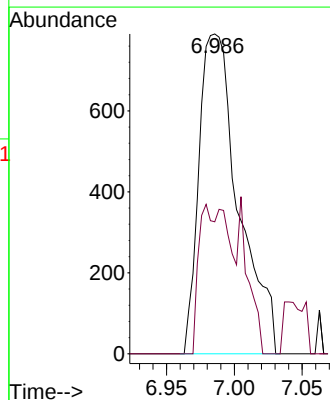
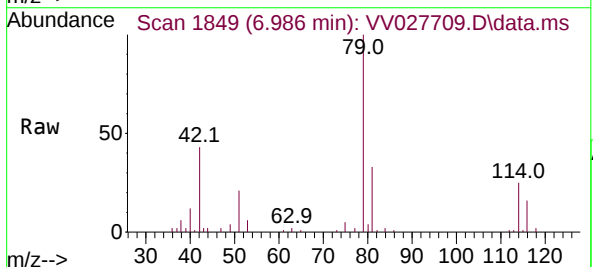
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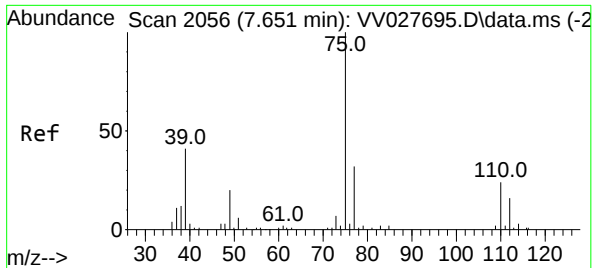
Delta R.T. -0.042 min

Lab File: VV027709.D

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Tgt Ion: 75	Resp: 1606
Ion Ratio	Lower Upper
75 100	
77 41.3	22.3 41.3

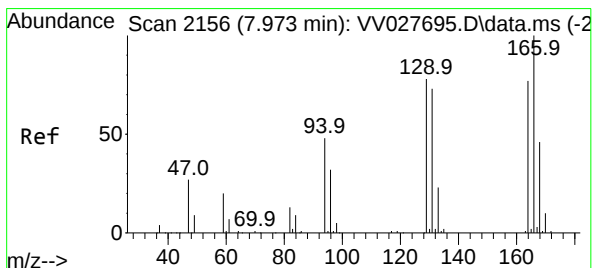
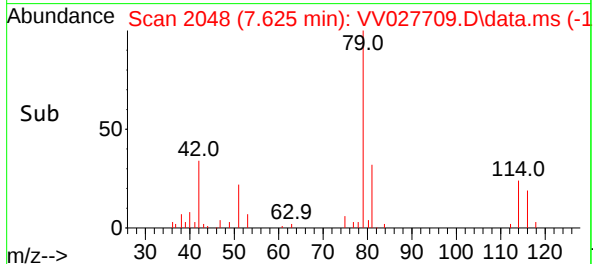
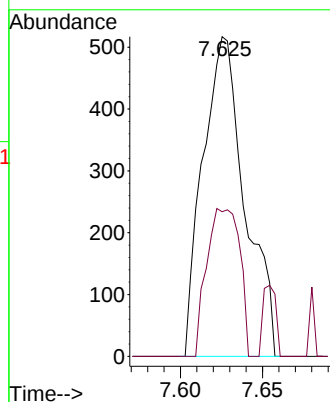
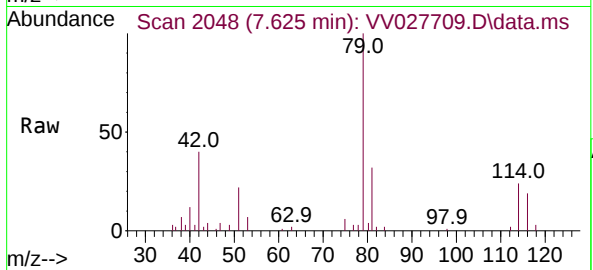




#44
trans-1,3-Dichloropropene
Concen: 0.074 ug/L
RT: 7.625 min Scan# 2056
Delta R.T. -0.026 min
Lab File: VV027709.D
Acq: 02 Sep 2022 09:09

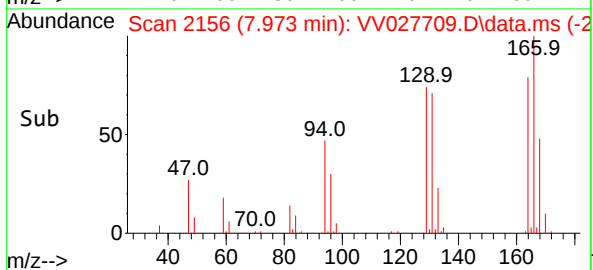
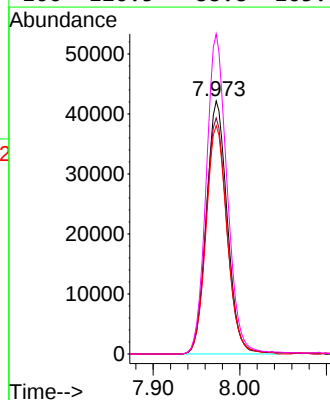
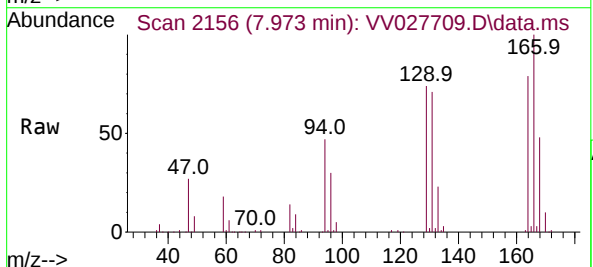
Instrument :
MSVOA_V
ClientSampleId :

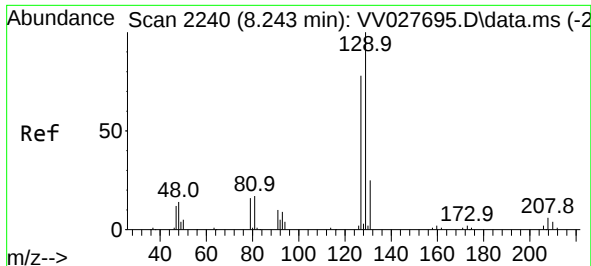
Tgt Ion: 75 Resp: 920
Ion Ratio Lower Upper
75 100
77 45.3 22.0 41.0#



#47
Tetrachloroethene
Concen: 7.151 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. 0.000 min
Lab File: VV027709.D
Acq: 02 Sep 2022 09:09

Tgt Ion: 164 Resp: 70644
Ion Ratio Lower Upper
164 100
129 93.3 65.9 122.3
131 90.3 64.5 119.7
166 126.5 88.8 165.0





#49

Dibromochloromethane

Concen: 6.720 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV027709.D

Acq: 02 Sep 2022 09:09

Instrument :

MSVOA_V

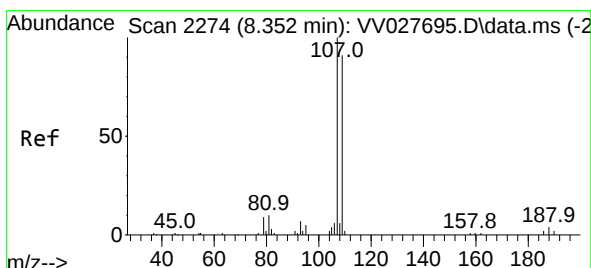
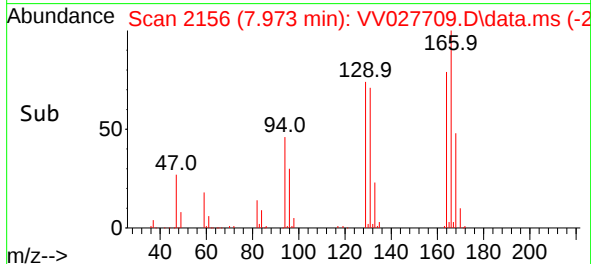
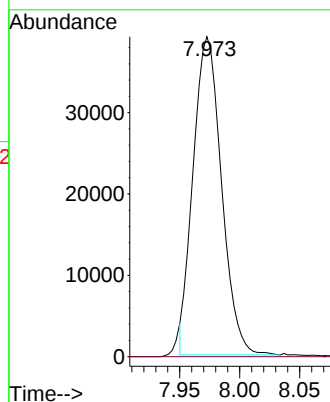
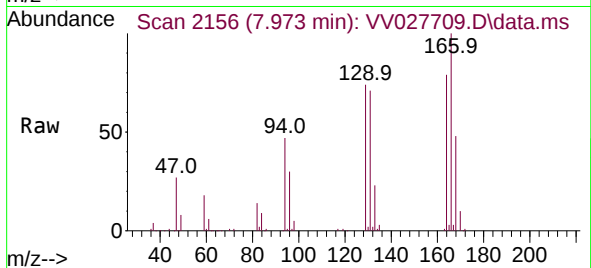
ClientSampleId :

Tgt Ion:129 Resp: 64280

Ion Ratio Lower Upper

129 100

127 0.0 52.4 97.4#



#50

1,2-Dibromoethane

Concen: 0.060 ug/L

RT: 8.378 min Scan# 2282

Delta R.T. 0.026 min

Lab File: VV027709.D

Acq: 02 Sep 2022 09:09

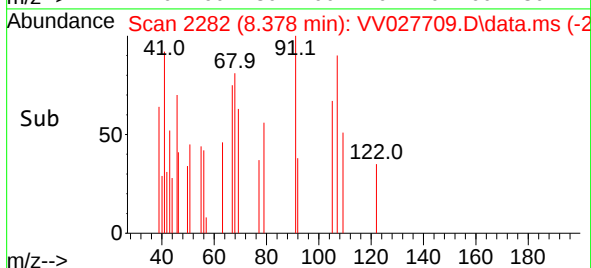
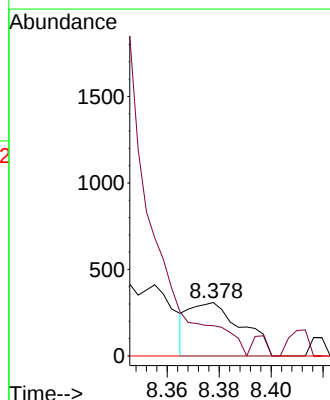
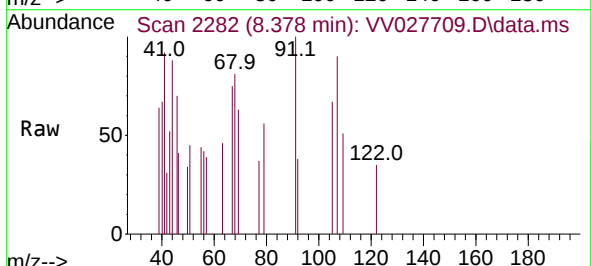
Tgt Ion:107 Resp: 433

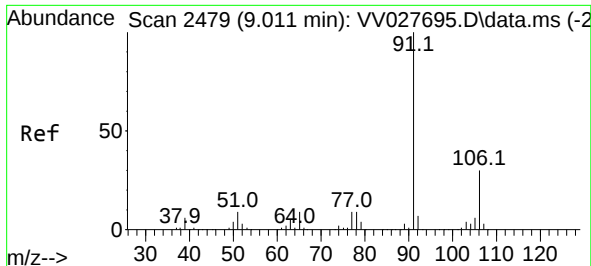
Ion Ratio Lower Upper

107 100

109 56.3 66.2 123.0#

188 0.0 2.6 3.8#





#52

Ethylbenzene

Concen: 4.137 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.129 min

Lab File: VV027709.D

Acq: 02 Sep 2022 09:09

Instrument :

MSVOA_V

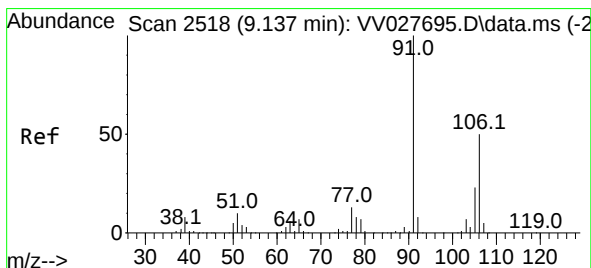
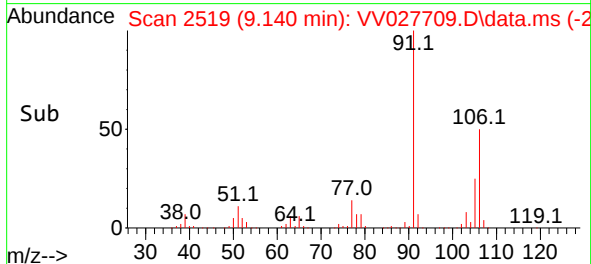
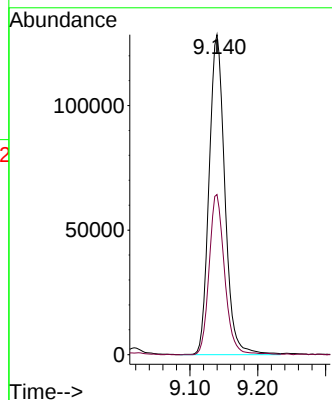
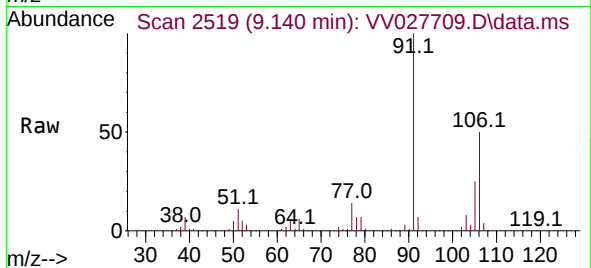
ClientSampleId :

Tgt Ion: 91 Resp: 207451

Ion Ratio Lower Upper

91 100

106 50.0 21.9 40.7#



#53

m,p-Xylene

Concen: 5.275 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.003 min

Lab File: VV027709.D

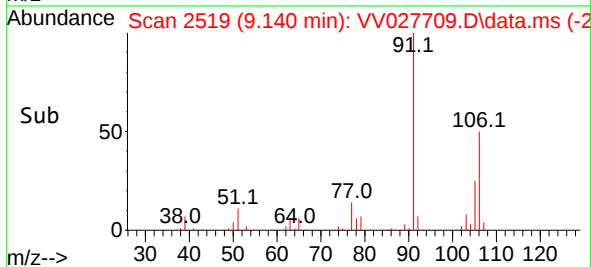
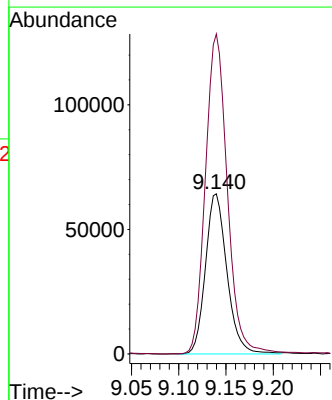
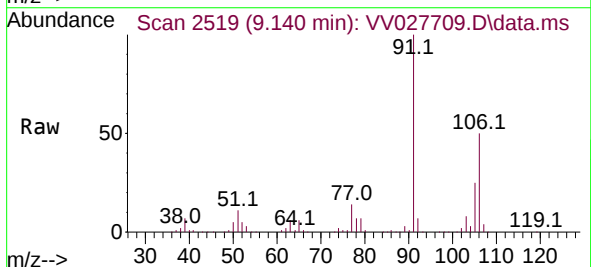
Acq: 02 Sep 2022 09:09

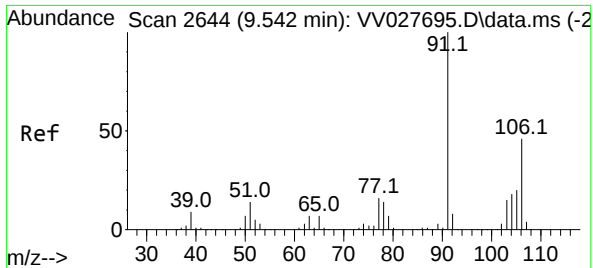
Tgt Ion: 106 Resp: 101688

Ion Ratio Lower Upper

106 100

91 199.9 147.3 273.5

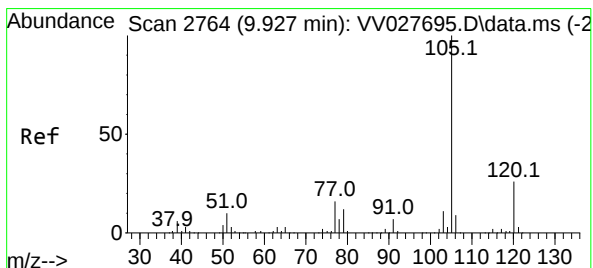
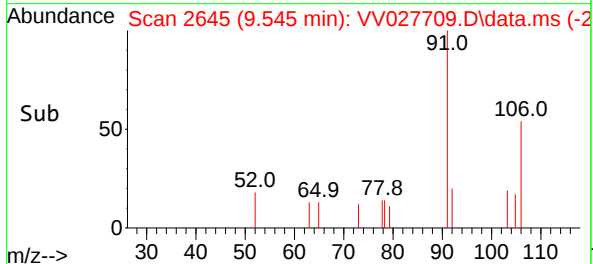
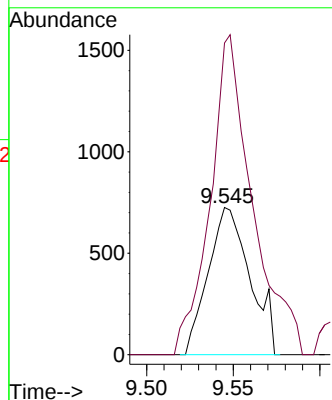
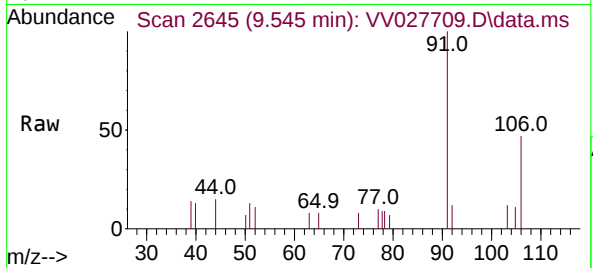




#54
o-Xylene
Concen: 0.066 ug/L
RT: 9.545 min Scan# 2125
Delta R.T. 0.003 min
Lab File: VV027709.D
Acq: 02 Sep 2022 09:09

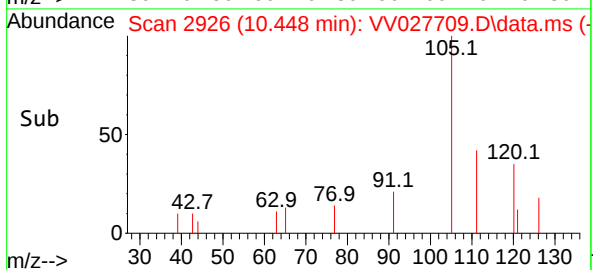
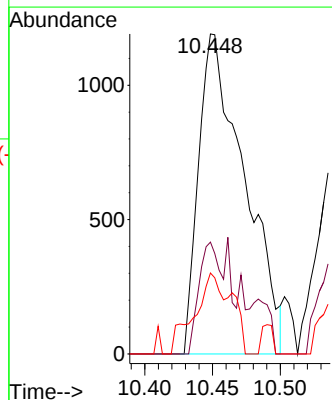
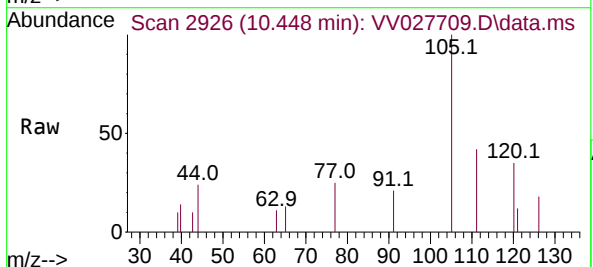
Instrument :
MSVOA_V
ClientSampleId :

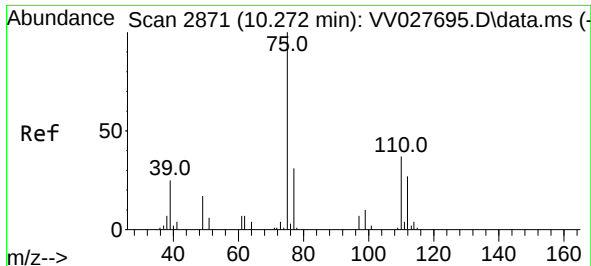
Tgt Ion:106 Resp: 1215
Ion Ratio Lower Upper
106 100
91 211.6 152.9 284.1



#60
Isopropylbenzene
Concen: 0.063 ug/L
RT: 10.448 min Scan# 2926
Delta R.T. 0.521 min
Lab File: VV027709.D
Acq: 02 Sep 2022 09:09

Tgt Ion:105 Resp: 2788
Ion Ratio Lower Upper
105 100
120 22.3 21.0 31.4
77 0.0 12.7 19.1#

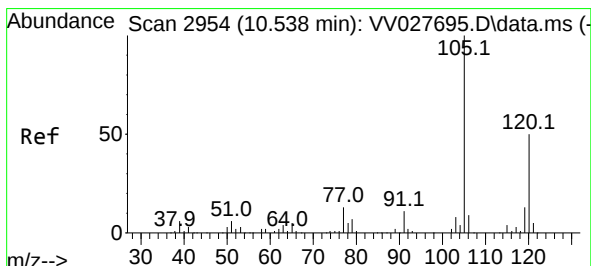
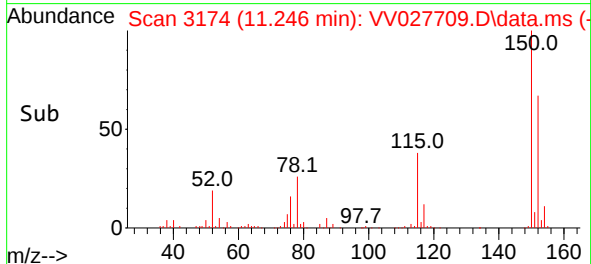
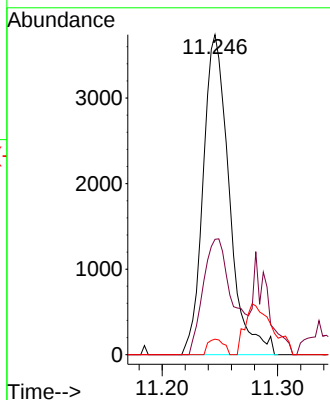
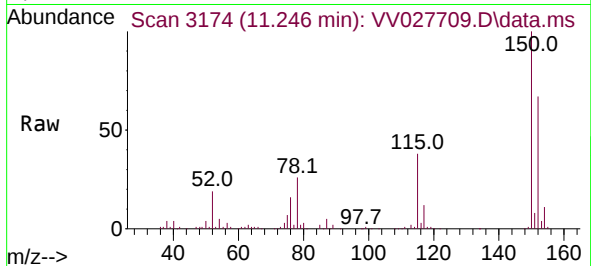




#61
 1,2,3-Trichloropropane
 Concen: 0.985 ug/L
 RT: 11.246 min Scan# 3174
 Delta R.T. 0.974 min
 Lab File: VV027709.D
 Acq: 02 Sep 2022 09:09

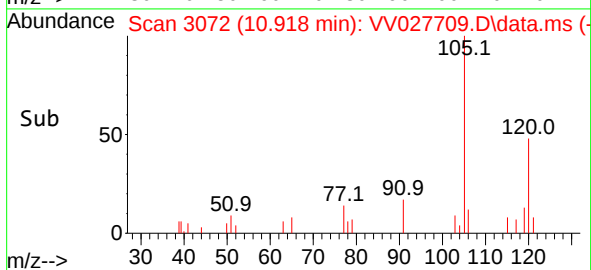
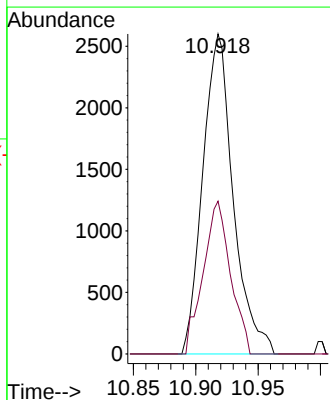
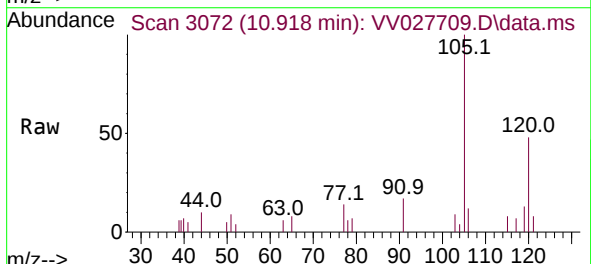
Instrument :
 MSVOA_V
 ClientSampleId :

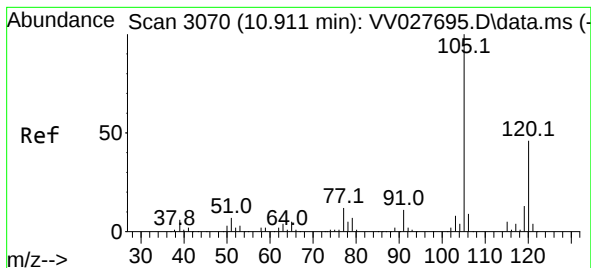
Tgt Ion: 75 Resp: 5865
 Ion Ratio Lower Upper
 75 100
 77 41.0 25.8 38.6#
 110 2.9 29.8 44.8#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.363 ug/L
 RT: 10.918 min Scan# 3072
 Delta R.T. 0.379 min
 Lab File: VV027709.D
 Acq: 02 Sep 2022 09:09

Tgt Ion: 105 Resp: 4411
 Ion Ratio Lower Upper
 105 100
 120 42.9 40.4 60.6





#63

1,2,4-Trimethylbenzene

Concen: 0.126 ug/L

RT: 10.918 min Scan# 3070

Delta R.T. 0.006 min

Lab File: VV027709.D

Acq: 02 Sep 2022 09:09

Instrument :

MSVOA_V

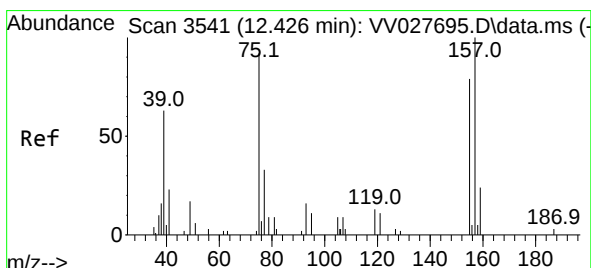
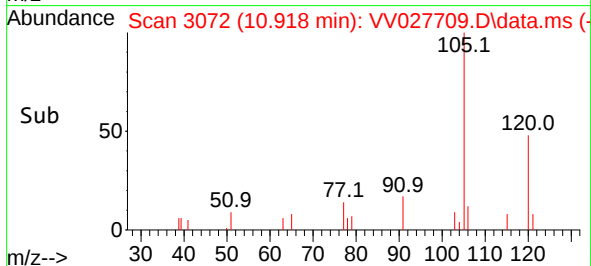
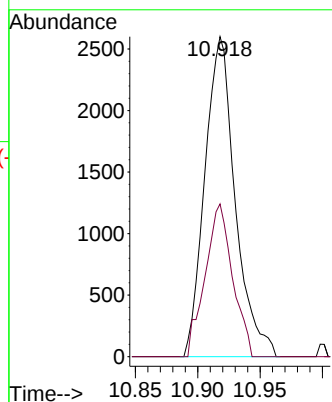
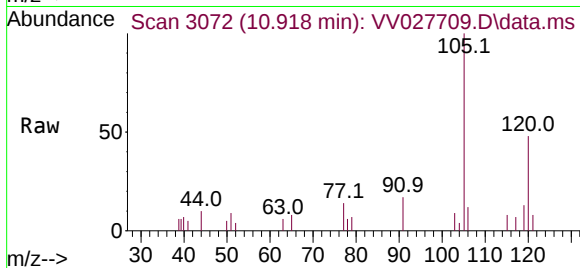
ClientSampleId :

Tgt Ion:105 Resp: 4411

Ion Ratio Lower Upper

105 100

120 42.9 36.1 54.1



#68

1,2-Dibromo-3-chloropropane

Concen: 3.063 ug/L

RT: 12.574 min Scan# 3587

Delta R.T. 0.148 min

Lab File: VV027709.D

Acq: 02 Sep 2022 09:09

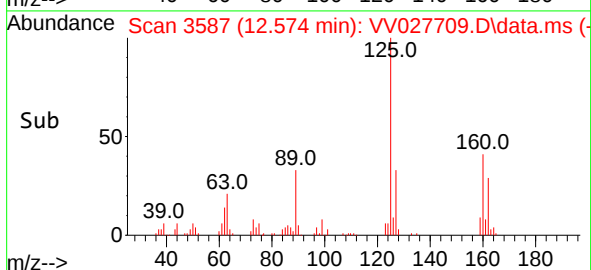
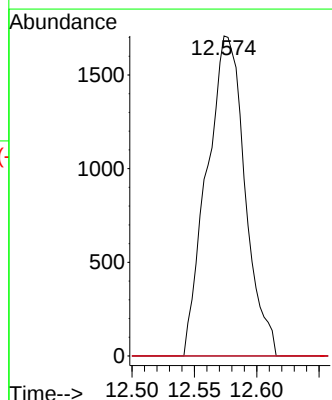
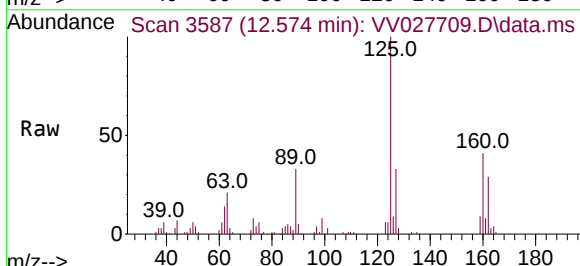
Tgt Ion: 75 Resp: 3634

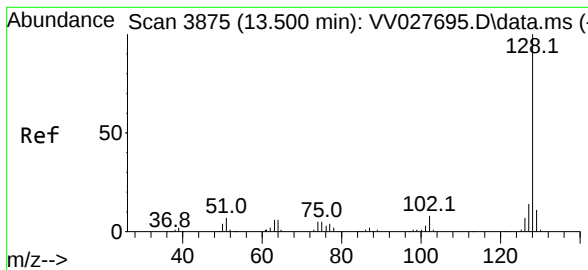
Ion Ratio Lower Upper

75 100

155 0.0 56.4 84.6#

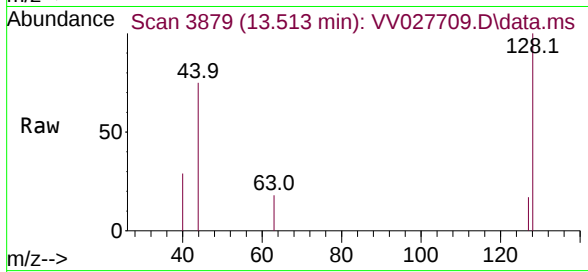
157 0.0 74.9 112.3#





#71
Naphthalene
Concen: 0.059 ug/L
RT: 13.513 min Scan# 3879
Delta R.T. 0.013 min
Lab File: VV027709.D
Acq: 02 Sep 2022 09:09

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:	128	Resp:	1056
Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.9	13.3#
127	13.2	10.9	16.3

