

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW090122\
 Data File : VW027722.D
 Acq On : 02 Sep 2022 14:58
 Operator : SY/MD
 Sample : N4404-15
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 03 05:33:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR083122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 03 05:30:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	121846	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	122766	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	56654	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	52264	3.948	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.000%
7) Chloroethane-d5	1.568	69	49092	4.433	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.600%
11) 1,1-Dichloroethene-d2	2.105	63	84318	3.255	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.000%
20) 2-Butanone-d5	3.895	46	61323	27.401	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	54.800%
24) Chloroform-d	4.342	84	115403	4.343	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
26) 1,2-Dichloroethane-d4	5.030	65	54996	4.620	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
32) Benzene-d6	5.043	84	222287	4.420	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
36) 1,2-Dichloropropane-d6	6.066	67	64960	4.176	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.600%
41) Toluene-d8	7.313	98	173446	3.983	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.600%
43) trans-1,3-Dichloroprop...	7.622	79	19070	3.980	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.600%
46) 2-Hexanone-d5	8.088	63	79335	44.027	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.060%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	42535	4.249	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	63893	5.037	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	740	0.047	ug/L #	80
5) Vinyl chloride	1.310	62	7426	0.491	ug/L #	82
6) Bromomethane	1.519	94	507	0.071	ug/L	90
8) Chloroethane	1.310	64	2756	0.326	ug/L	91
14) Carbon disulfide	2.294	76	2678	0.083	ug/L #	92
16) Methylene chloride	2.506	84	6324	0.493	ug/L	87
17) Methyl tert-butyl Ether	2.767	73	639	0.029	ug/L #	72
18) trans-1,2-Dichloroethene	2.764	96	425	0.037	ug/L #	55
22) cis-1,2-Dichloroethene	3.908	96	29261	2.543	ug/L	88
25) Chloroform	4.375	83	2815	0.119	ug/L	86
33) Benzene	5.104	78	3307	0.069	ug/L	100
34) Trichloroethene	5.918	95	5027	0.427	ug/L	95
35) Methylcyclohexane	6.066	83	16254	0.890	ug/L #	17
37) 1,2-Dichloropropane	6.066	63	7591	0.628	ug/L #	89
39) cis-1,3-Dichloropropene	6.982	75	1434	0.097	ug/L #	45
47) Tetrachloroethene	7.973	164	68699	7.198	ug/L	97
49) Dibromochloromethane	7.973	129	64113	6.938	ug/L #	12
50) 1,2-Dibromoethane	8.378	107	239	0.034	ug/L #	59
52) Ethylbenzene	9.140	91	202423	4.179	ug/L #	66

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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 03 05:30:57 2022
 Response via : Initial Calibration

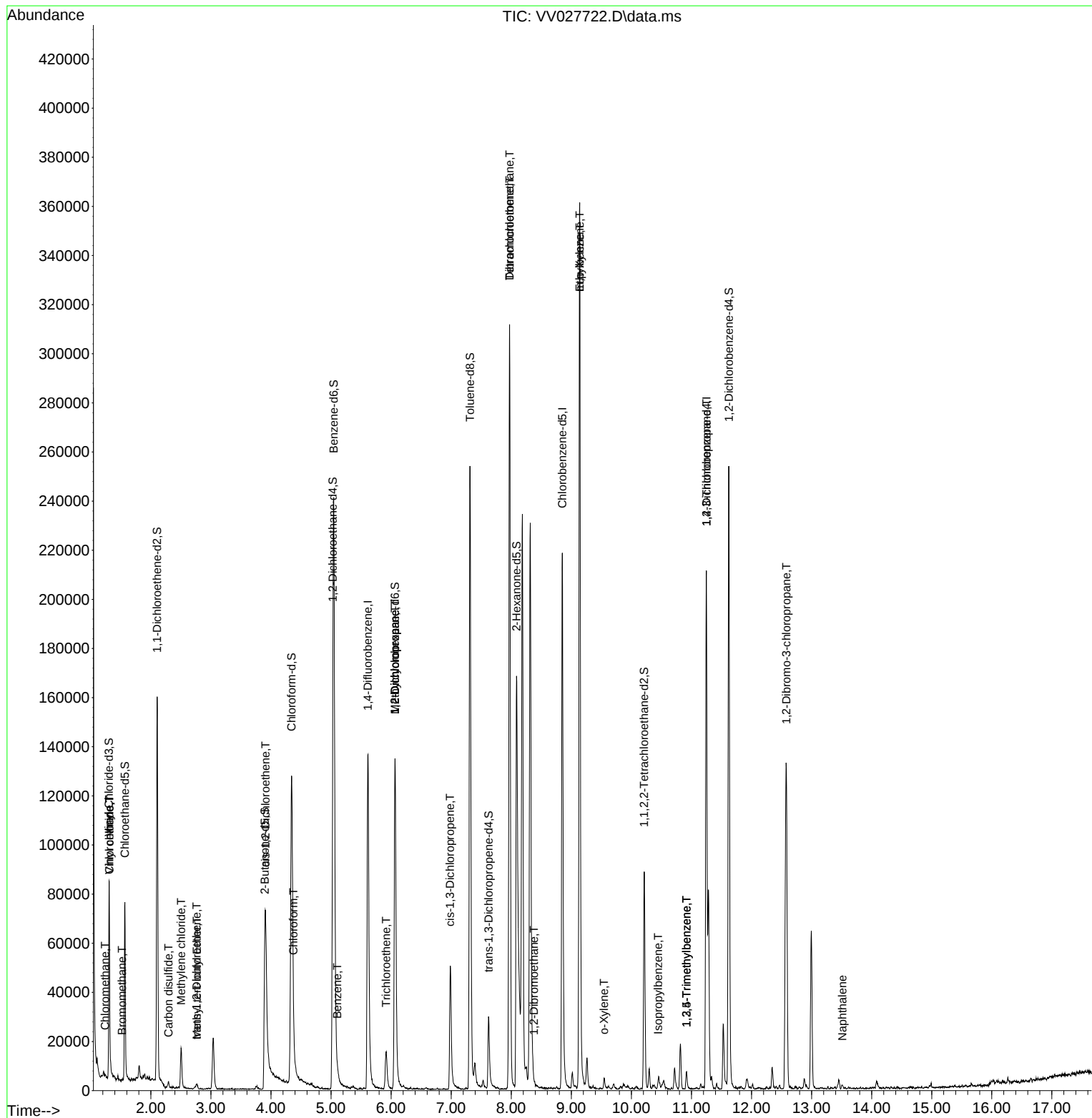
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.140	106	100091	5.375	ug/L	94
54) o-Xylene	9.545	106	1196	0.067	ug/L	79
60) Isopropylbenzene	10.448	105	2696	0.063	ug/L #	80
61) 1,2,3-Trichloropropane	11.249	75	6822	1.190	ug/L #	76
62) 1,3,5-Trimethylbenzene	10.918	105	4104	0.351	ug/L	98
63) 1,2,4-Trimethylbenzene	10.918	105	4104	0.122	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.580	75	3563	3.121	ug/L #	8
71) Naphthalene	13.512	128	1981	0.115	ug/L #	87

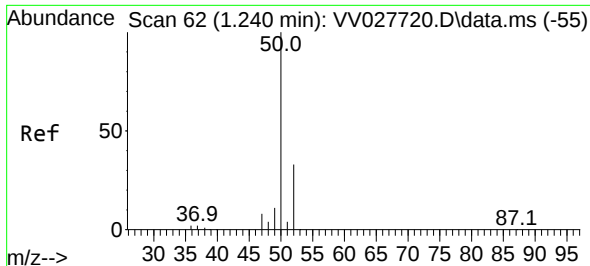
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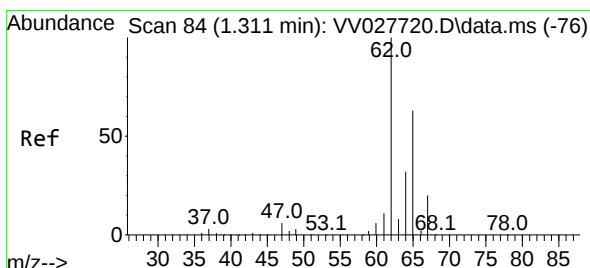
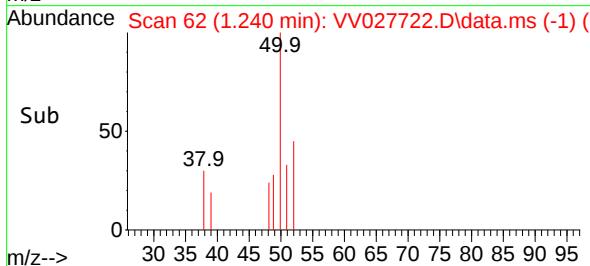
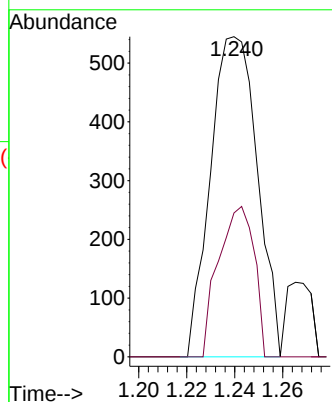
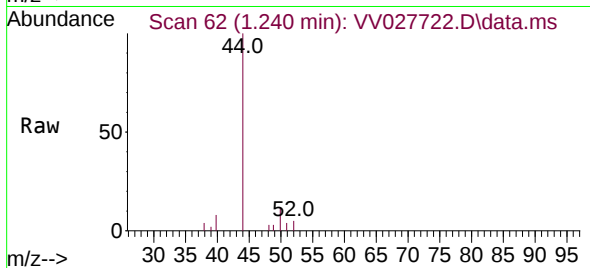




#3
Chloromethane
Concen: 0.047 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV027722.D
Acq: 02 Sep 2022 14:58

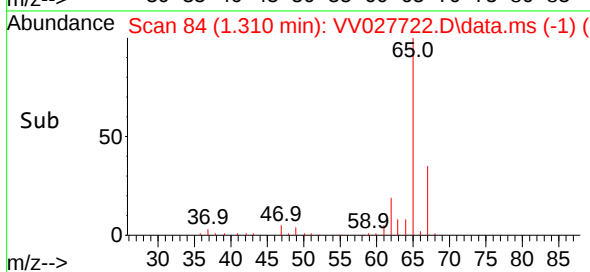
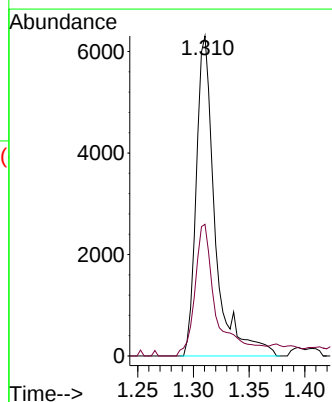
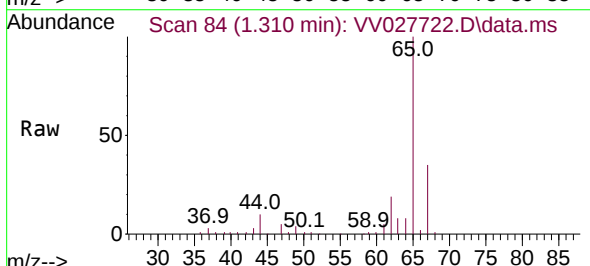
Instrument :
MSVOA_V
ClientSampleId :

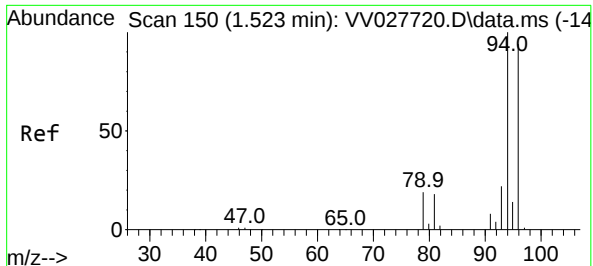
Tgt Ion: 50 Resp: 740
Ion Ratio Lower Upper
50 100
52 45.0 23.5 43.7#



#5
Vinyl chloride
Concen: 0.491 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.000 min
Lab File: VV027722.D
Acq: 02 Sep 2022 14:58

Tgt Ion: 62 Resp: 7426
Ion Ratio Lower Upper
62 100
64 41.2 21.8 40.4#

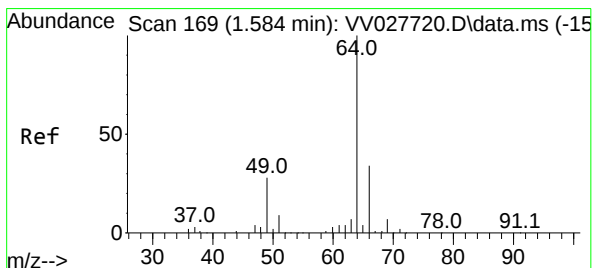
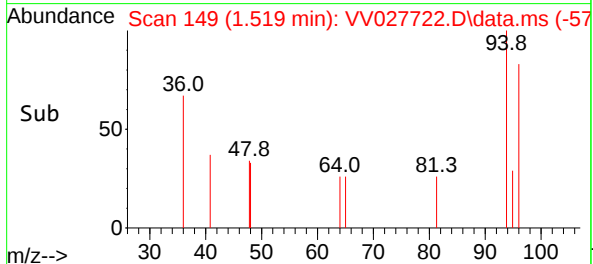
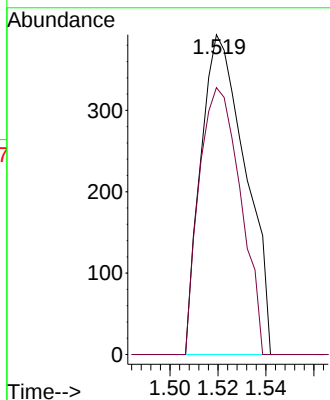
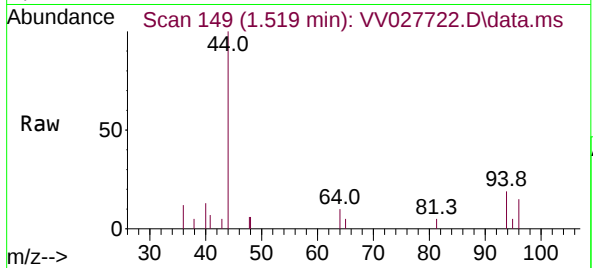




#6
Bromomethane
Concen: 0.071 ug/L
RT: 1.519 min Scan# 14
Delta R.T. -0.003 min
Lab File: VV027722.D
Acq: 02 Sep 2022 14:58

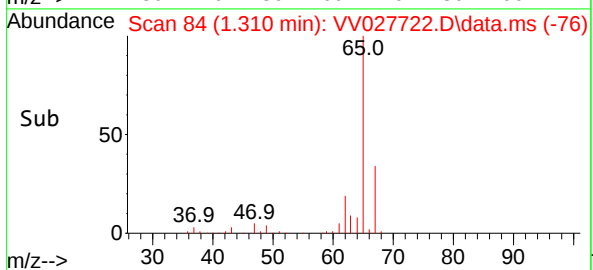
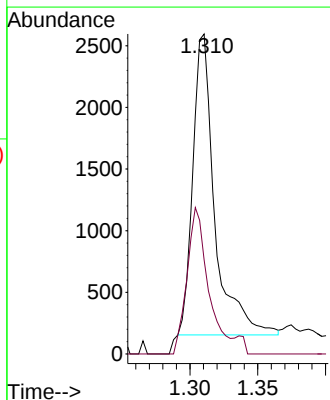
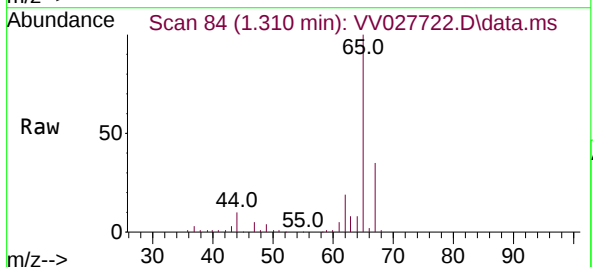
Instrument :
MSVOA_V
ClientSampleId :

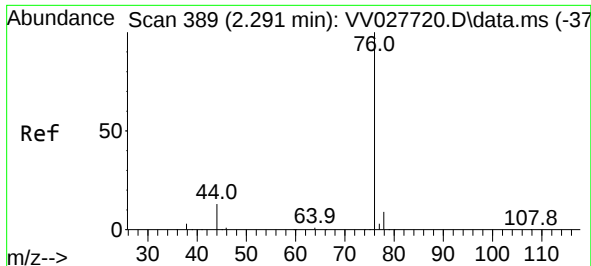
Tgt Ion: 94 Resp: 507
Ion Ratio Lower Upper
94 100
96 83.5 65.1 120.9



#8
Chloroethane
Concen: 0.326 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.273 min
Lab File: VV027722.D
Acq: 02 Sep 2022 14:58

Tgt Ion: 64 Resp: 2756
Ion Ratio Lower Upper
64 100
66 29.4 24.0 44.6

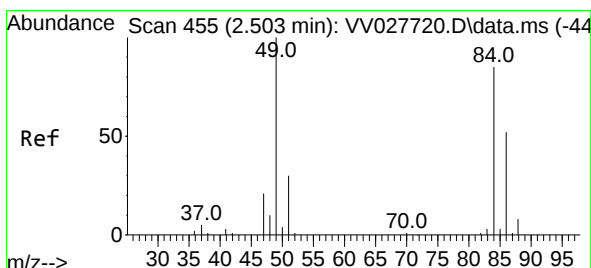
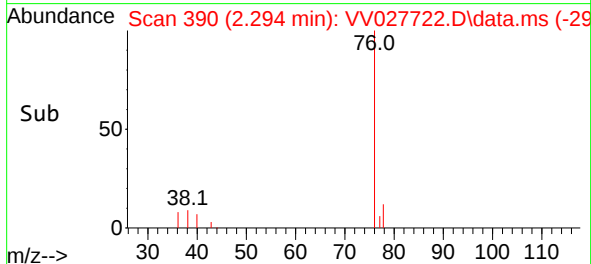
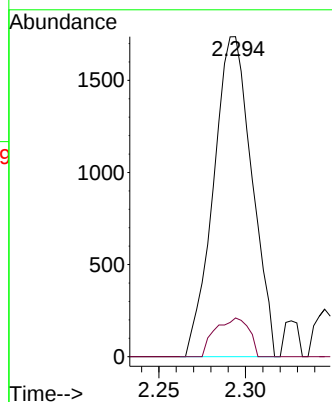
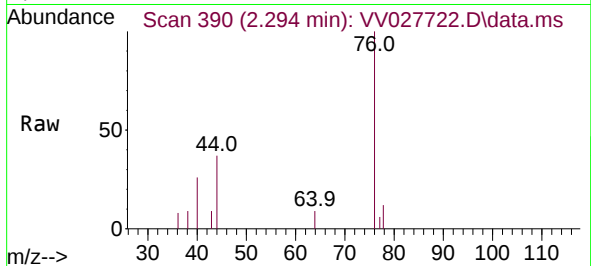




#14
Carbon disulfide
Concen: 0.083 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.003 min
Lab File: VV027722.D
Acq: 02 Sep 2022 14:58

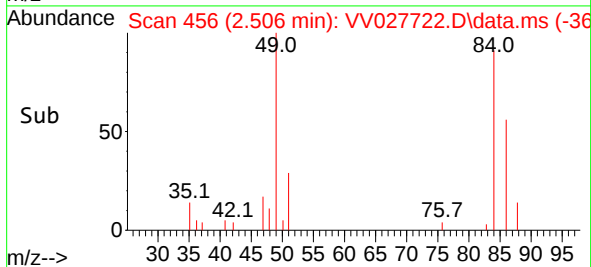
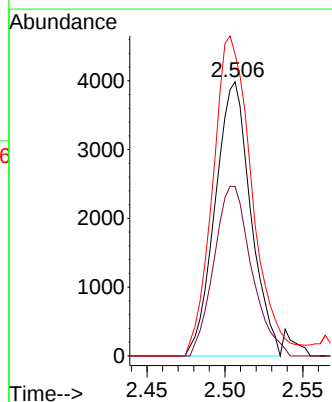
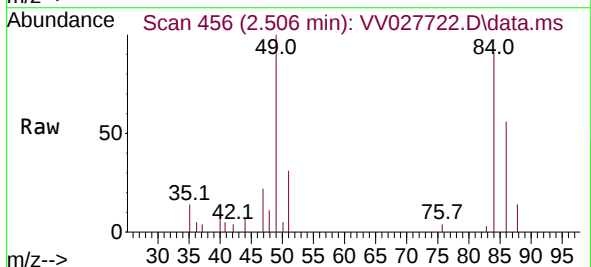
Instrument :
MSVOA_V
ClientSampleId :

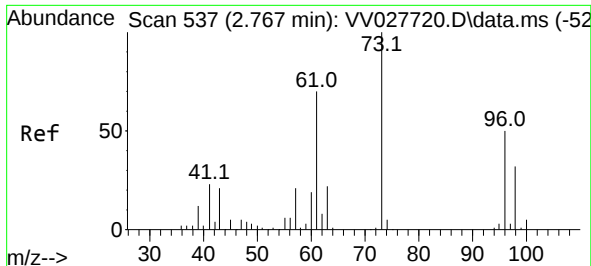
Tgt Ion: 76 Resp: 2678
Ion Ratio Lower Upper
76 100
78 12.1 7.4 11.0#



#16
Methylene chloride
Concen: 0.493 ug/L
RT: 2.506 min Scan# 456
Delta R.T. 0.003 min
Lab File: VV027722.D
Acq: 02 Sep 2022 14:58

Tgt Ion: 84 Resp: 6324
Ion Ratio Lower Upper
84 100
86 61.8 43.9 81.5
49 110.1 92.5 171.7

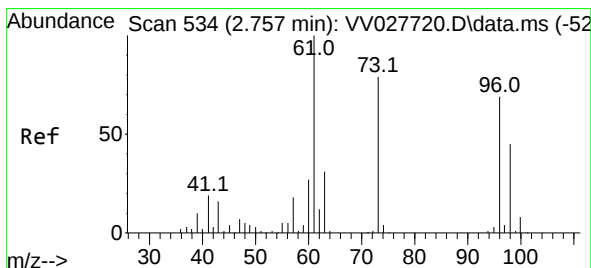
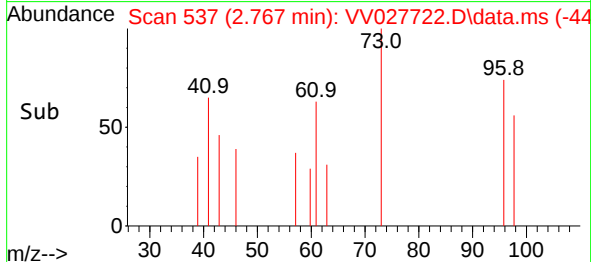
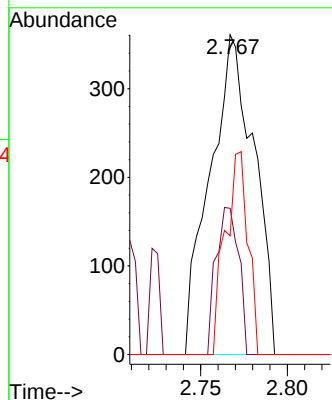
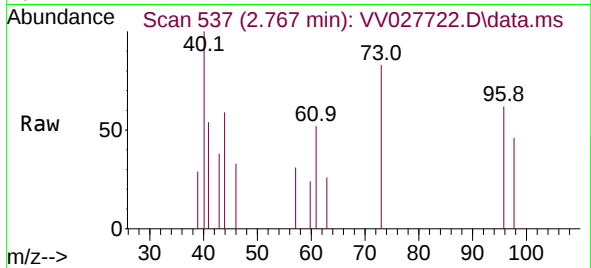




#17
Methyl tert-butyl Ether
Concen: 0.029 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV027722.D
Acq: 02 Sep 2022 14:58

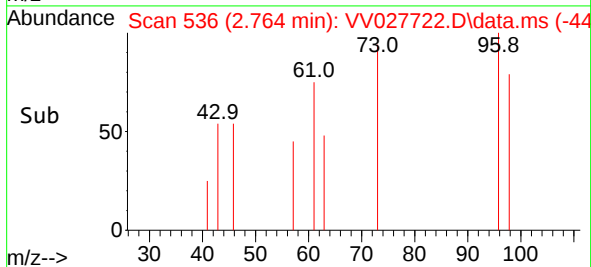
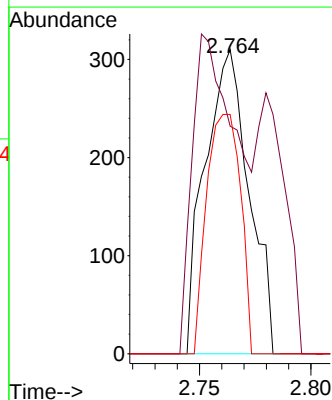
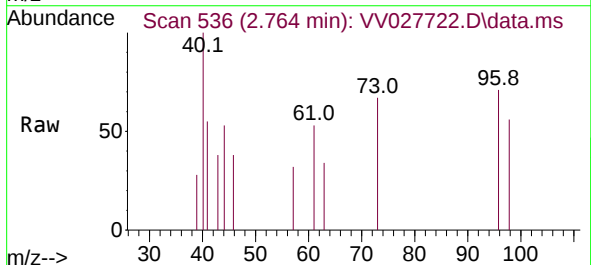
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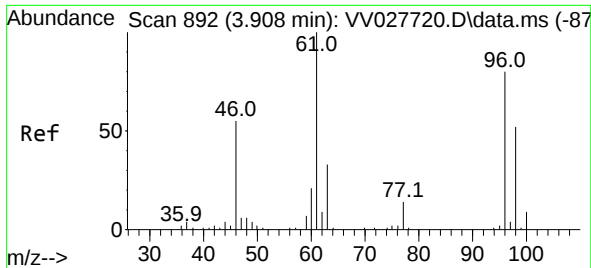
Tgt Ion: 73 Resp: 639
Ion Ratio Lower Upper
73 100
43 23.6 16.5 24.7
57 0.0 18.2 27.2#



#18
trans-1,2-Dichloroethene
Concen: 0.037 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.006 min
Lab File: VV027722.D
Acq: 02 Sep 2022 14:58

Tgt Ion: 96 Resp: 425
Ion Ratio Lower Upper
96 100
61 74.8 101.8 189.0#
98 78.7 44.9 83.3

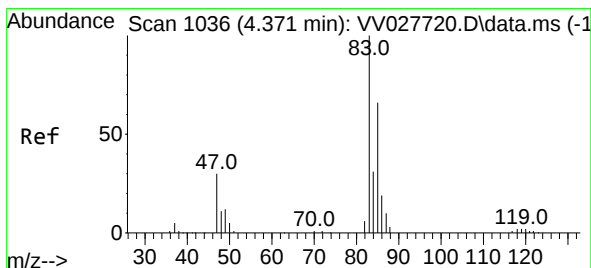
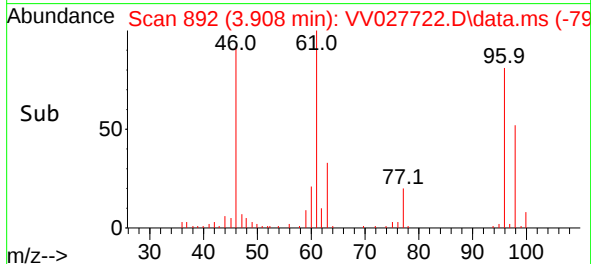
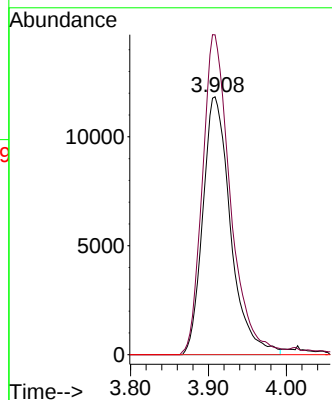
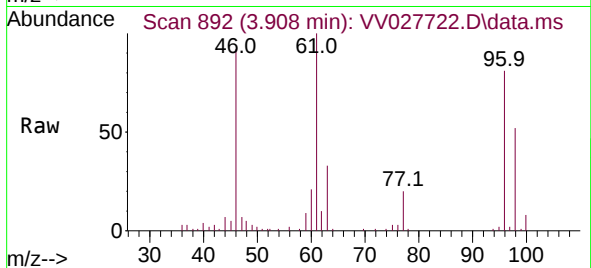




#22
 cis-1,2-Dichloroethene
 Concen: 2.543 ug/L
 RT: 3.908 min Scan# 892
 Delta R.T. -0.000 min
 Lab File: VV027722.D
 Acq: 02 Sep 2022 14:58

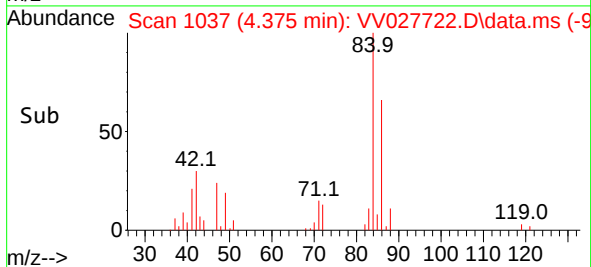
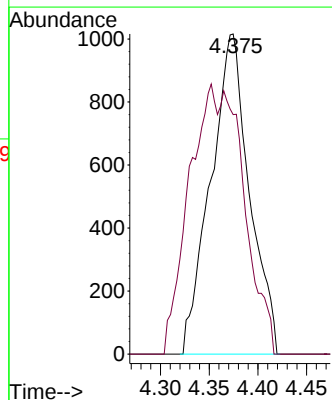
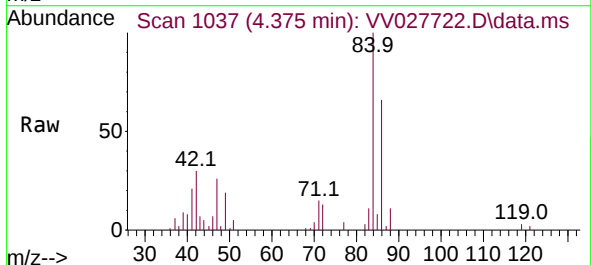
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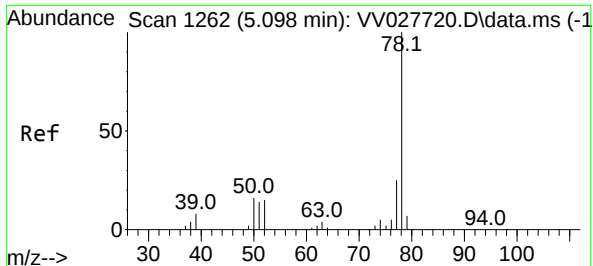
Tgt Ion: 96 Resp: 29261
 Ion Ratio Lower Upper
 96 100
 61 124.0 96.9 180.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.119 ug/L
 RT: 4.375 min Scan# 1037
 Delta R.T. 0.003 min
 Lab File: VV027722.D
 Acq: 02 Sep 2022 14:58

Tgt Ion: 83 Resp: 2815
 Ion Ratio Lower Upper
 83 100
 85 74.8 44.7 83.1

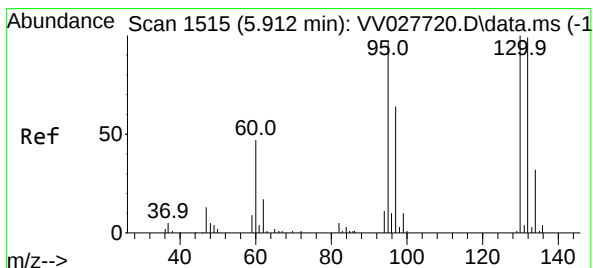
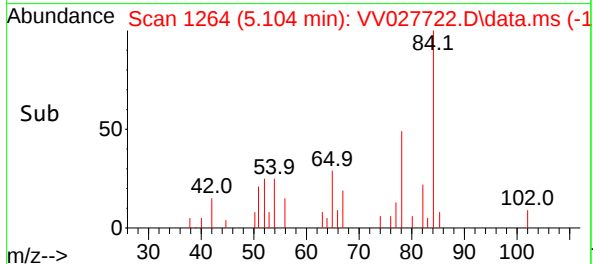
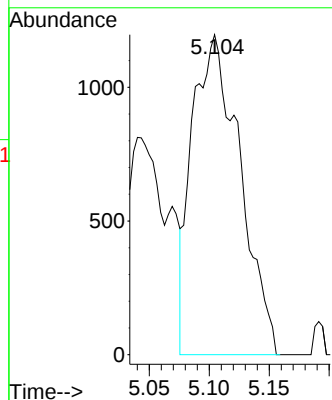
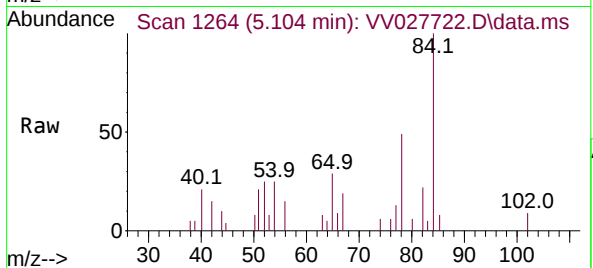




#33
Benzene
Concen: 0.069 ug/L
RT: 5.104 min Scan# 1517
Delta R.T. 0.006 min
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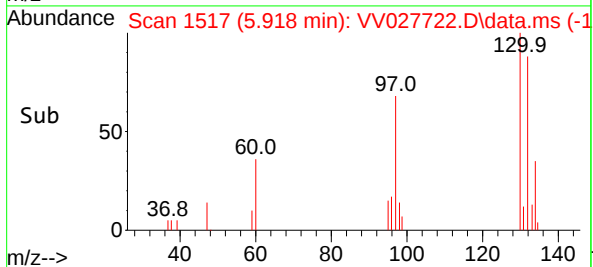
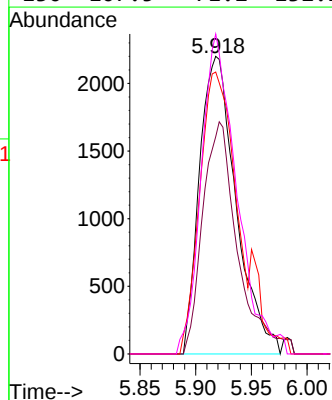
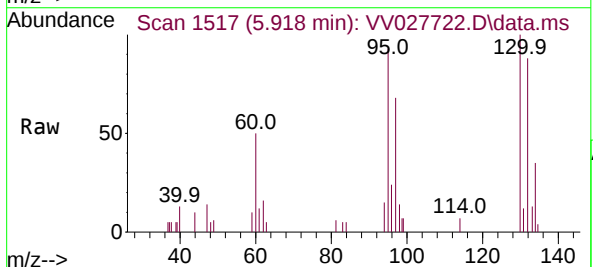
Tgt Ion: 78 Resp: 3307

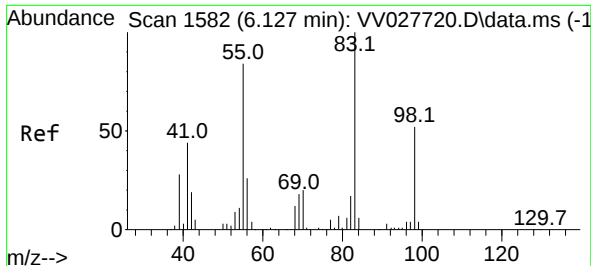


#34
Trichloroethene
Concen: 0.427 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.006 min
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Tgt Ion: 95 Resp: 5027

Ion	Ratio	Lower	Upper
95	100		
97	73.0	46.1	85.5
132	94.8	67.3	125.1
130	107.5	71.2	132.2

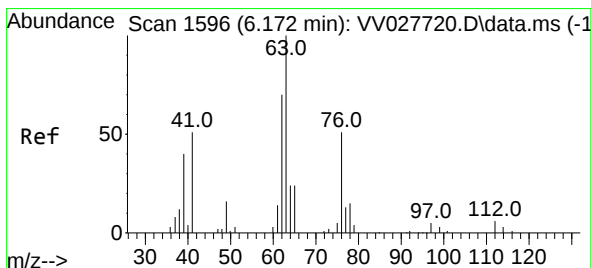
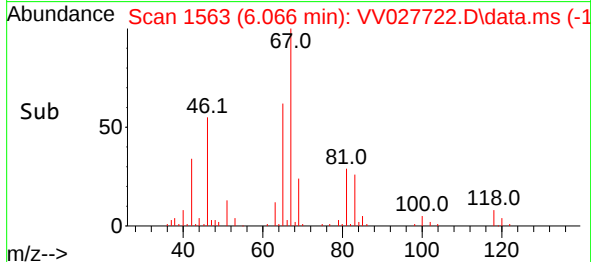
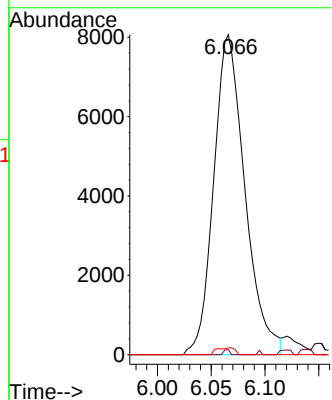
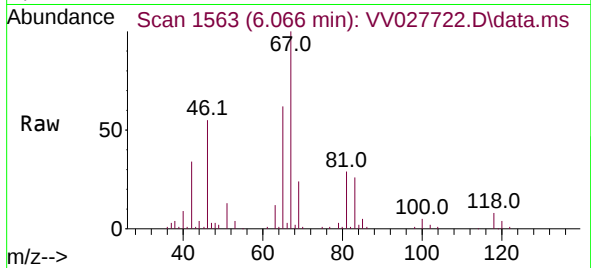




#35
Methylcyclohexane
Concen: 0.890 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.061 min
Lab File: VV027722.D
Acq: 02 Sep 2022 14:58

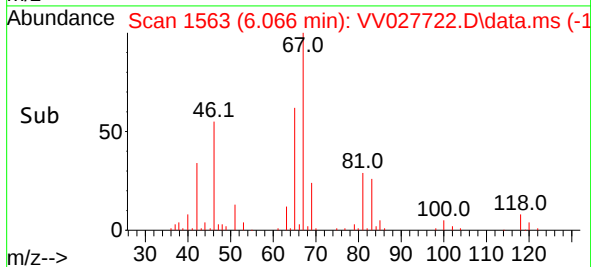
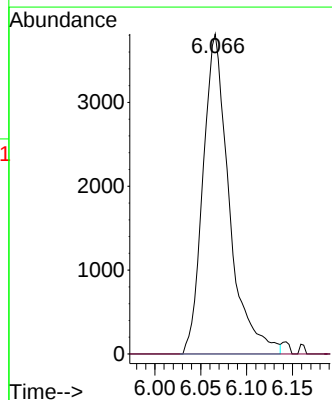
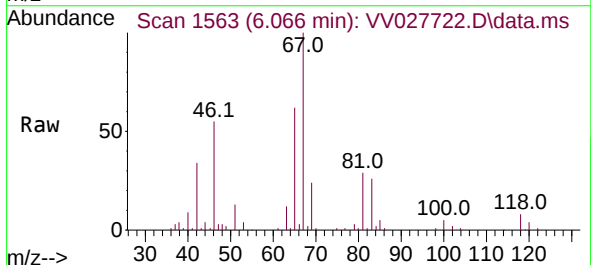
Instrument :
MSVOA_V
ClientSampleId :

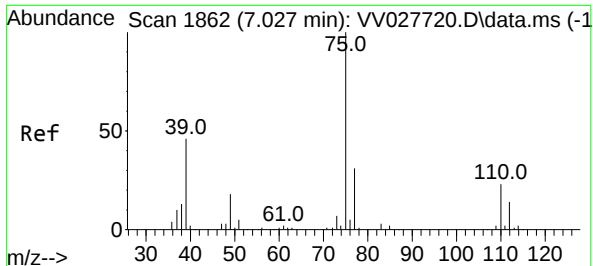
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.3	66.0	99.0#
98	1.2	36.9	55.3#



#37
1,2-Dichloropropane
Concen: 0.628 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.106 min
Lab File: VV027722.D
Acq: 02 Sep 2022 14:58

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





#39

cis-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 6.982 min Scan# 1848

Delta R.T. -0.045 min

Lab File: VV027722.D

Acq: 02 Sep 2022 14:58

Instrument :

MSVOA_V

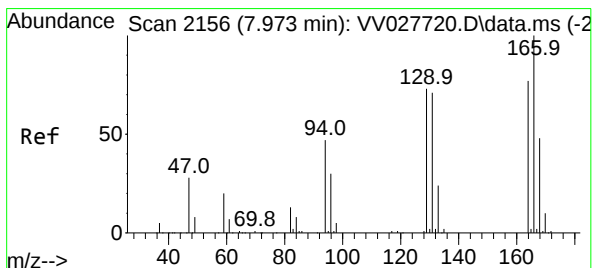
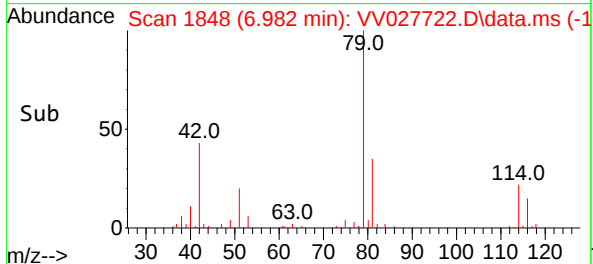
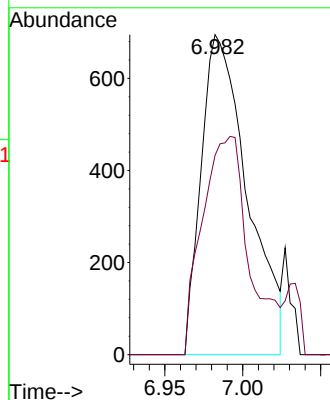
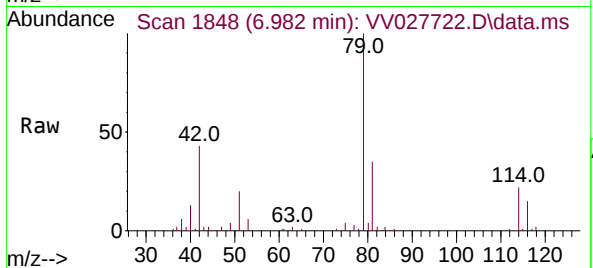
ClientSampleId :

Tgt Ion: 75 Resp: 1434

Ion Ratio Lower Upper

75 100

77 62.3 22.3 41.3#



#47

Tetrachloroethene

Concen: 7.198 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.000 min

Lab File: VV027722.D

Acq: 02 Sep 2022 14:58

Tgt Ion:164 Resp: 68699

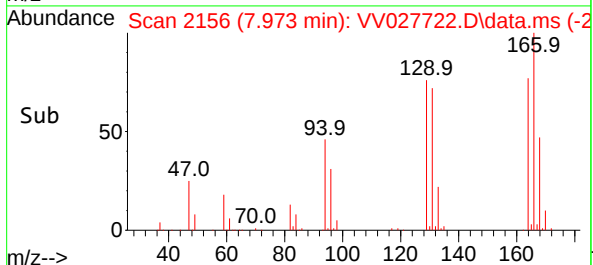
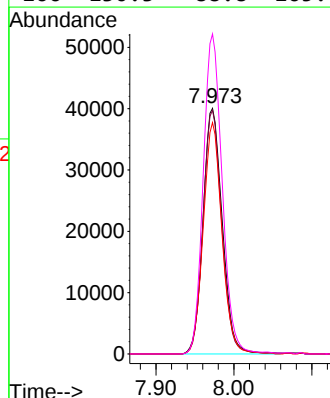
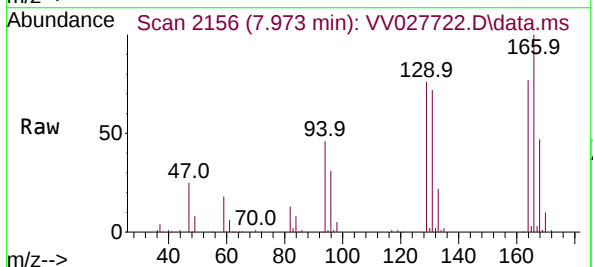
Ion Ratio Lower Upper

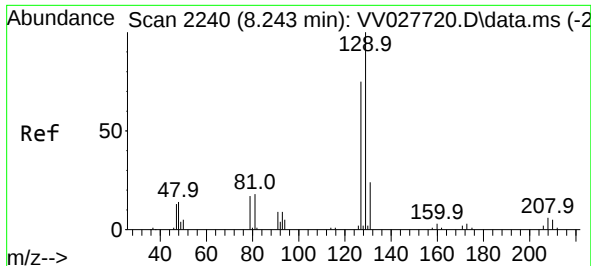
164 100

129 99.3 65.9 122.3

131 94.2 64.5 119.7

166 130.3 88.8 165.0

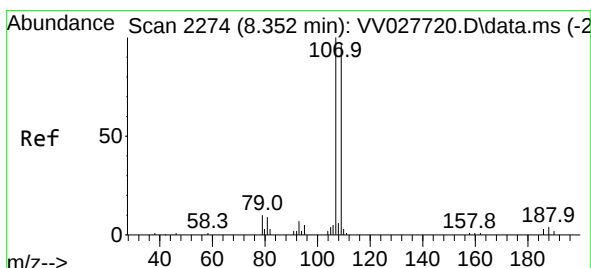
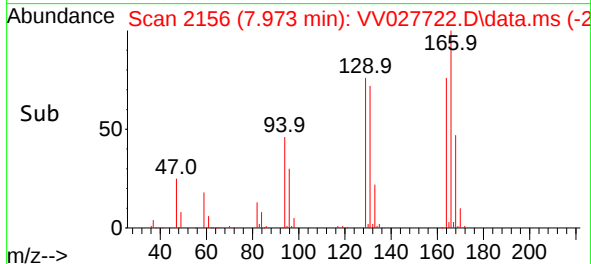
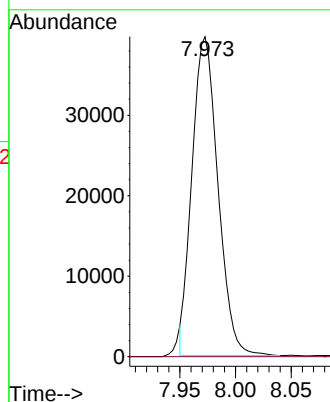
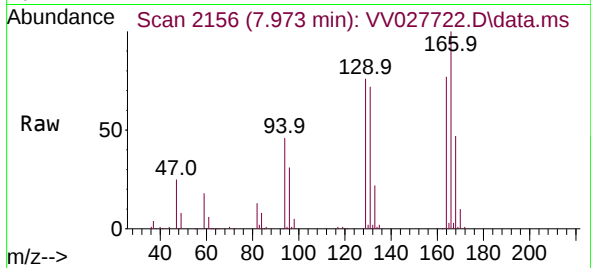




#49
Dibromochloromethane
Concen: 6.938 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. -0.270 min
Lab File: VV027722.D
Acq: 02 Sep 2022 14:58

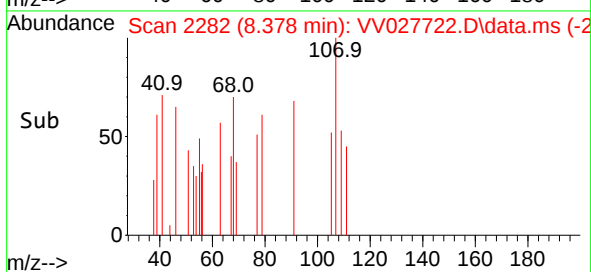
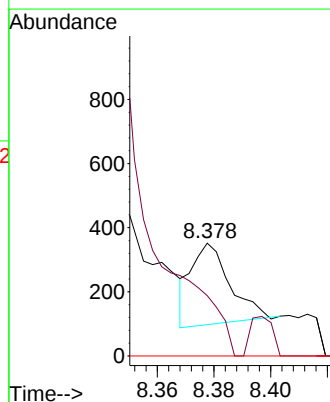
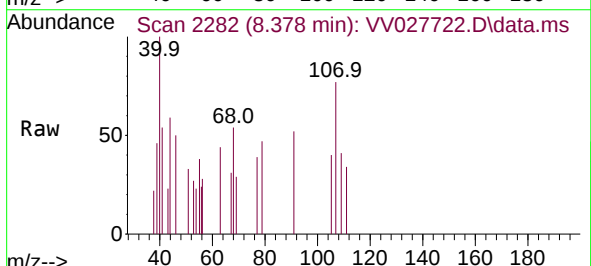
Instrument :
MSVOA_V
ClientSampleId :

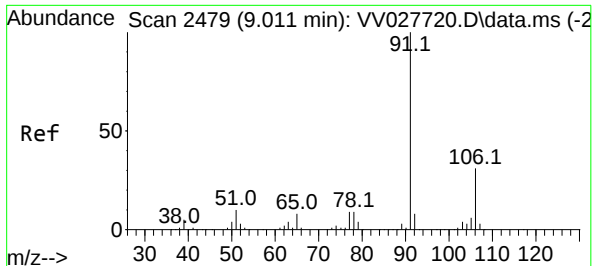
Tgt Ion:129 Resp: 64113
Ion Ratio Lower Upper
129 100
127 0.0 52.4 97.4#



#50
1,2-Dibromoethane
Concen: 0.034 ug/L
RT: 8.378 min Scan# 2282
Delta R.T. 0.026 min
Lab File: VV027722.D
Acq: 02 Sep 2022 14:58

Tgt Ion:107 Resp: 239
Ion Ratio Lower Upper
107 100
109 53.4 66.2 123.0#
188 0.0 2.6 3.8#





#52

Ethylbenzene

Concen: 4.179 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.128 min

Lab File: VV027722.D

Acq: 02 Sep 2022 14:58

Instrument :

MSVOA_V

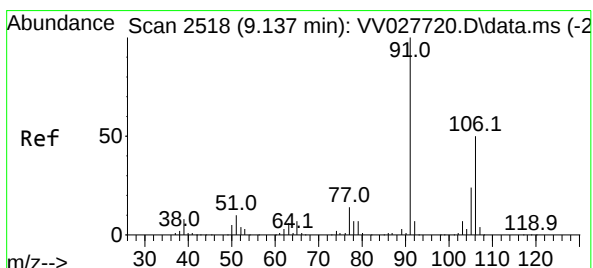
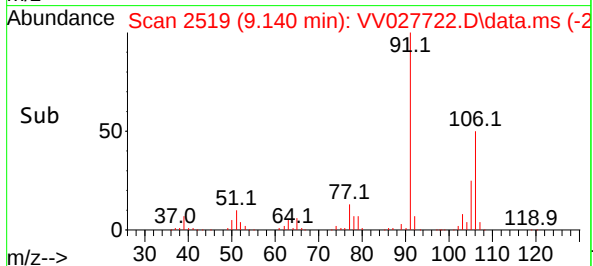
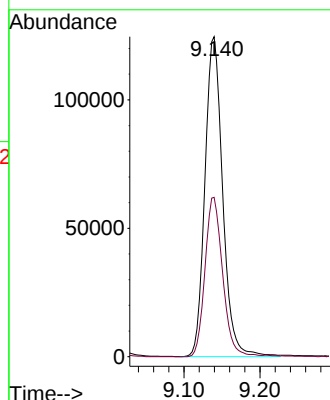
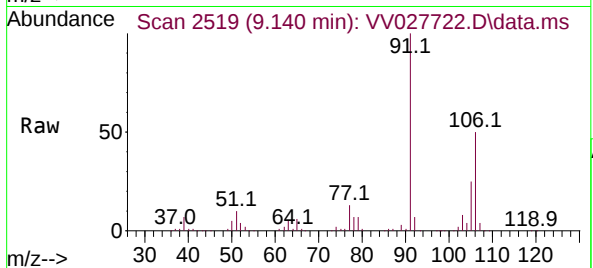
ClientSampleId :

Tgt Ion: 91 Resp: 202423

Ion Ratio Lower Upper

91 100

106 49.8 21.9 40.7#



#53

m,p-Xylene

Concen: 5.375 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.003 min

Lab File: VV027722.D

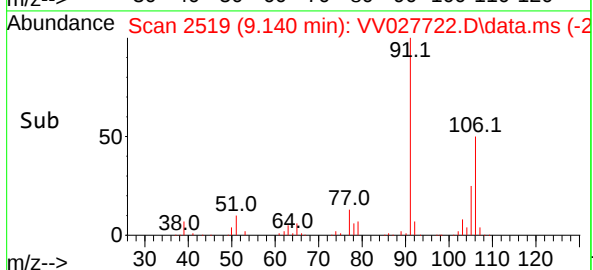
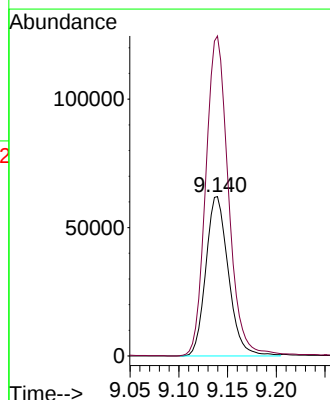
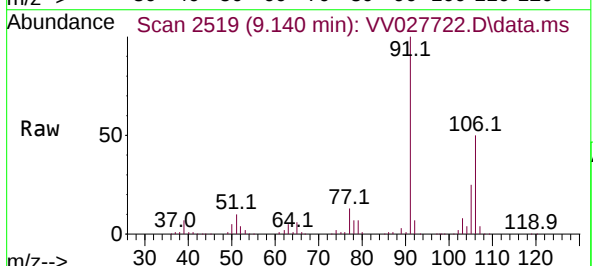
Acq: 02 Sep 2022 14:58

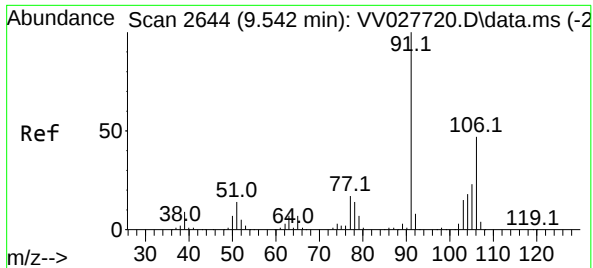
Tgt Ion: 106 Resp: 100091

Ion Ratio Lower Upper

106 100

91 200.7 147.3 273.5

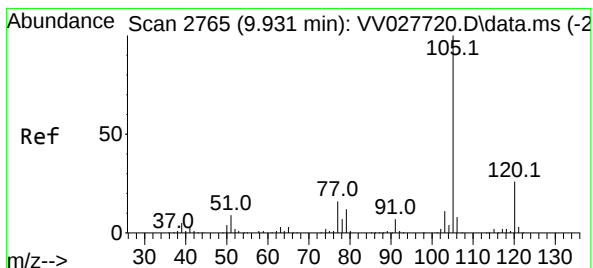
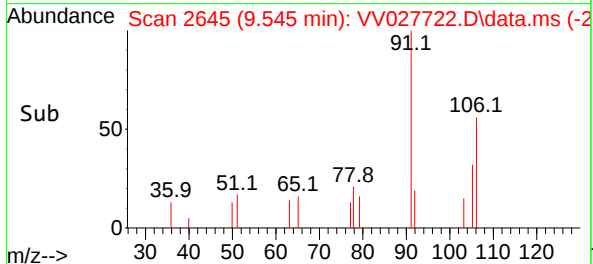
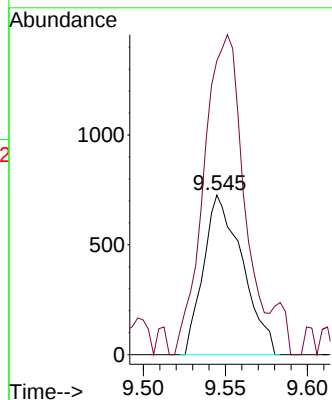
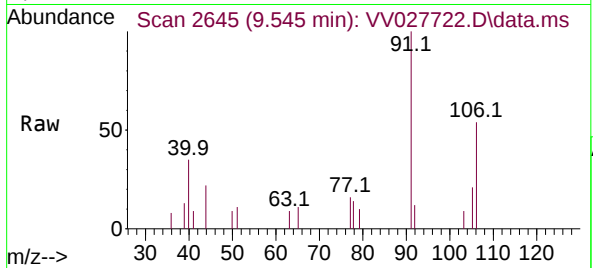




#54
o-Xylene
Concen: 0.067 ug/L
RT: 9.545 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VV027722.D
Acq: 02 Sep 2022 14:58

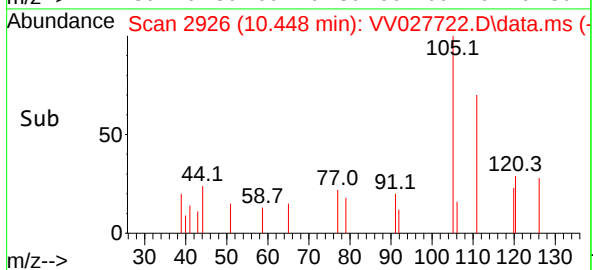
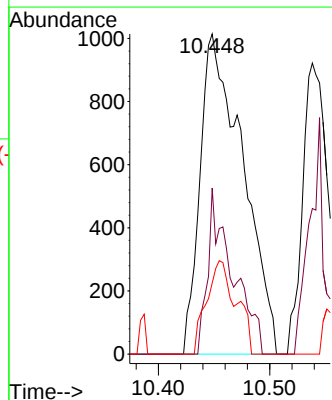
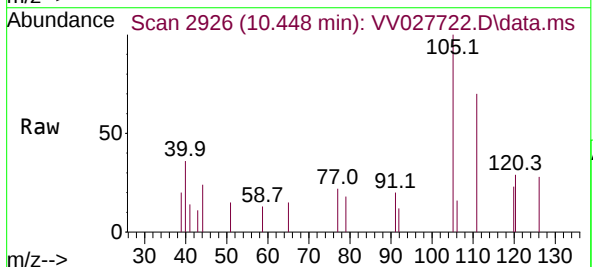
Instrument :
MSVOA_V
ClientSampleId :

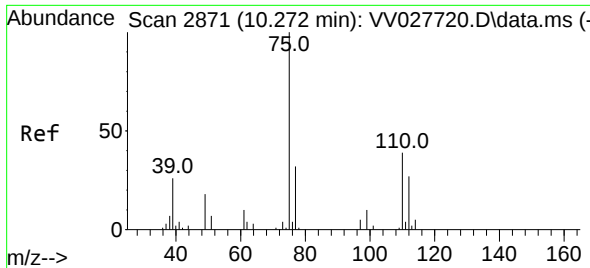
Tgt Ion:106 Resp: 1196
Ion Ratio Lower Upper
106 100
91 184.3 152.9 284.1



#60
Isopropylbenzene
Concen: 0.063 ug/L
RT: 10.448 min Scan# 2926
Delta R.T. 0.518 min
Lab File: VV027722.D
Acq: 02 Sep 2022 14:58

Tgt Ion:105 Resp: 2696
Ion Ratio Lower Upper
105 100
120 21.7 21.0 31.4
77 0.0 12.7 19.1#

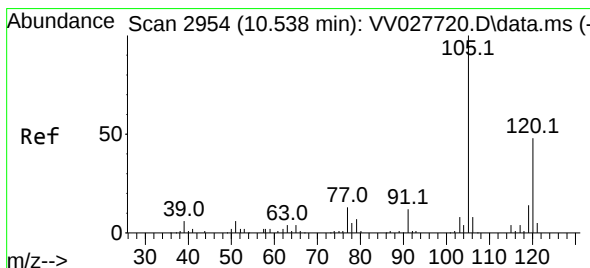
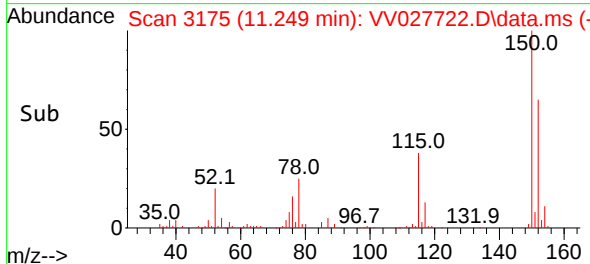
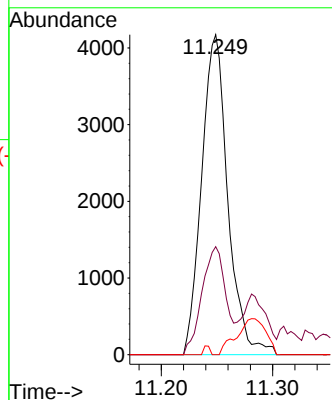
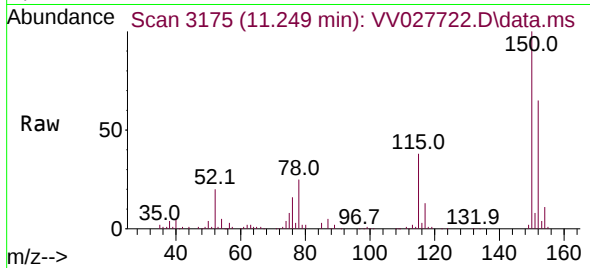




#61
1,2,3-Trichloropropane
Concen: 1.190 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.977 min
Lab File: VV027722.D
Acq: 02 Sep 2022 14:58

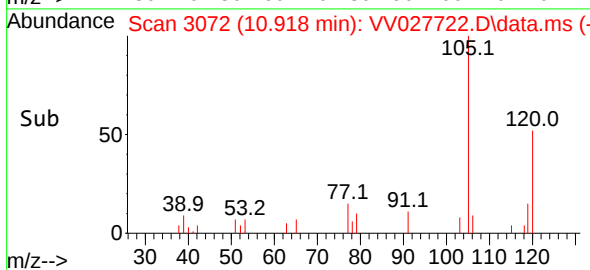
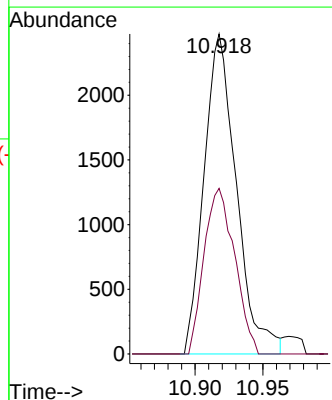
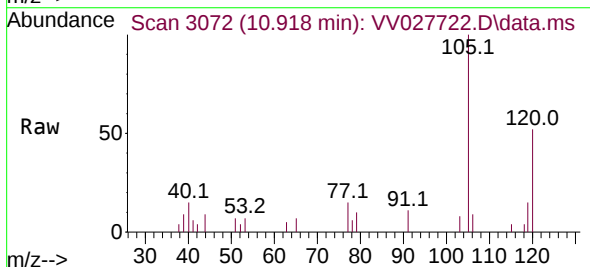
Instrument :
MSVOA_V
ClientSampleId :

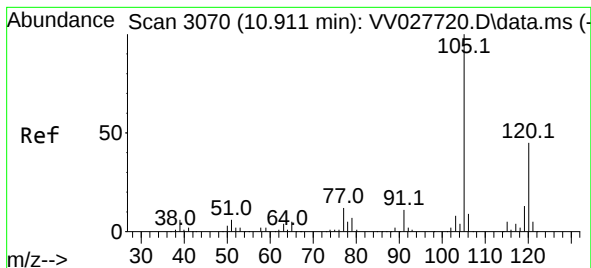
Tgt Ion: 75 Resp: 6822
Ion Ratio Lower Upper
75 100
77 30.6 25.8 38.6
110 12.5 29.8 44.8#



#62
1,3,5-Trimethylbenzene
Concen: 0.351 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.379 min
Lab File: VV027722.D
Acq: 02 Sep 2022 14:58

Tgt Ion: 105 Resp: 4104
Ion Ratio Lower Upper
105 100
120 49.0 40.4 60.6





#63

1,2,4-Trimethylbenzene

Concen: 0.122 ug/L

RT: 10.918 min Scan# 3070

Delta R.T. 0.006 min

Lab File: VV027722.D

Acq: 02 Sep 2022 14:58

Instrument :

MSVOA_V

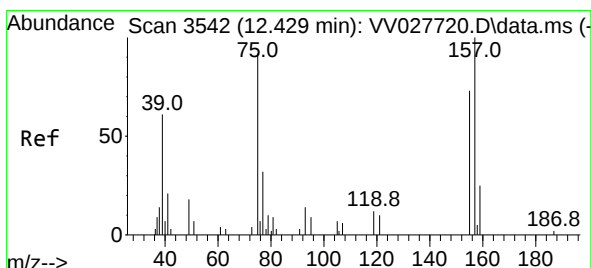
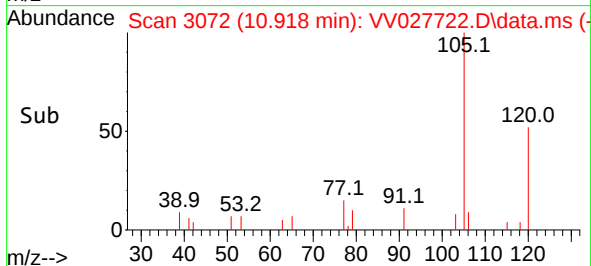
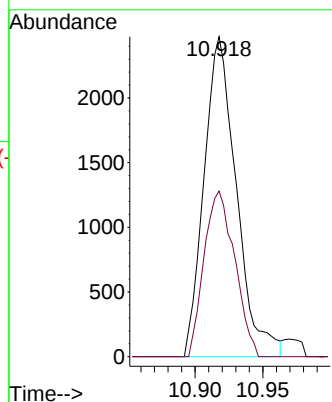
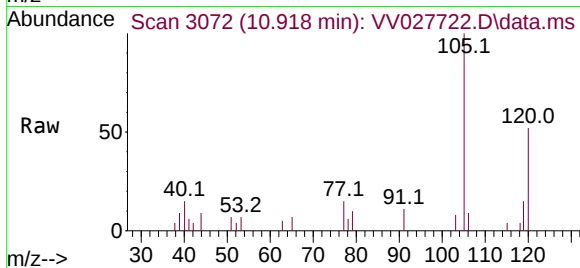
ClientSampleId :

Tgt Ion:105 Resp: 4104

Ion Ratio Lower Upper

105 100

120 49.0 36.1 54.1



#68

1,2-Dibromo-3-chloropropane

Concen: 3.121 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.151 min

Lab File: VV027722.D

Acq: 02 Sep 2022 14:58

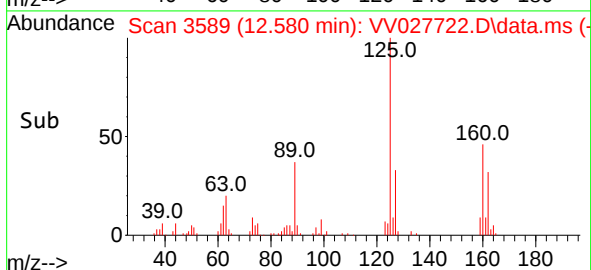
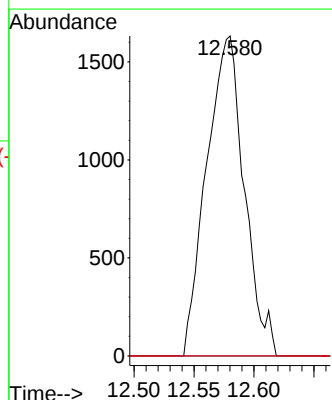
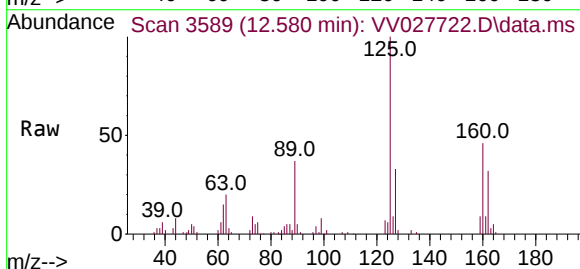
Tgt Ion: 75 Resp: 3563

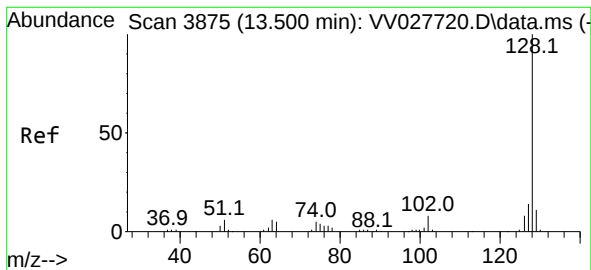
Ion Ratio Lower Upper

75 100

155 0.0 56.4 84.6#

157 0.0 74.9 112.3#





#71

Naphthalene

Concen: 0.115 ug/L

RT: 13.512 min Scan# 3879

Delta R.T. 0.013 min

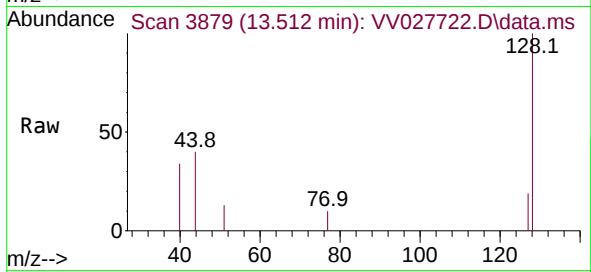
Lab File: VV027722.D

Acq: 02 Sep 2022 14:58

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:128 Resp: 1981

Ion Ratio Lower Upper

128 100

129 3.5 8.9 13.3#

127 10.3 10.9 16.3#

