

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051622\
 Data File : VW025909.D
 Acq On : 16 May 2022 13:57
 Operator : SY/MD
 Sample : N2831-03
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 YB2K0

Quant Time: May 17 08:01:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR051322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue May 17 07:58:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	134040	5.000	ug/L	0.01
28) Chlorobenzene-d5	8.853	117	138833	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	60999	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	60363	5.453	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.000%
7) Chloroethane-d5	1.568	69	53768	5.672	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.400%
11) 1,1-Dichloroethene-d2	2.117	63	233513	9.530	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	190.600%#
20) 2-Butanone-d5	3.899	46	82230	64.140	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.280%
24) Chloroform-d	4.352	84	99879	5.523	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.400%
26) 1,2-Dichloroethane-d4	5.037	65	43483	5.670	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.400%
32) Benzene-d6	5.053	84	200480	5.561	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.200%
36) 1,2-Dichloropropane-d6	6.072	67	59660	5.692	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.800%
41) Toluene-d8	7.317	98	167728	5.005	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.000%
43) trans-1,3-Dichloroprop...	7.628	79	15601	4.551	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.000%
46) 2-Hexanone-d5	8.091	63	59415	46.685	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.360%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	37000	5.480	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	51755	5.959	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	119.200%
Target Compounds						Qvalue
3) Chloromethane	1.243	50	943	0.056	ug/L #	81
8) Chloroethane	1.462	64	165733	14.385	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	1638	0.123	ug/L #	24
12) 1,1-Dichloroethene	2.121	96	244354	18.969	ug/L #	85
14) Carbon disulfide	2.297	76	11071	0.334	ug/L	97
17) Methyl tert-butyl Ether	2.773	73	1426	0.069	ug/L #	32
18) trans-1,2-Dichloroethene	2.767	96	4611	0.410	ug/L	98
19) 1,1-Dichloroethane	3.195	63	34619	1.628	ug/L	96
22) cis-1,2-Dichloroethene	3.912	96	165557	144.256	ug/L	97
27) 1,2-Dichloroethane	5.143	62	7804	0.687	ug/L	98
33) Benzene	5.108	78	13382	0.285	ug/L	100
34) Trichloroethene	5.915	95	78258	6.517	ug/L	100
35) Methylcyclohexane	6.072	83	13852	0.751	ug/L #	19
47) Tetrachloroethene	7.982	164	2885	0.310	ug/L	93
49) Dibromochloromethane	7.982	129	2864	0.344	ug/L #	10
53) m,p-Xylene	9.149	106	653	0.033	ug/L	89
61) 1,2,3-Trichloropropane	11.249	75	7010	1.380	ug/L #	65
72) 1,2,3-Trichlorobenzene	13.747	180	1015	0.108	ug/L	87

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue May 17 07:58:29 2022
Response via : Initial Calibration

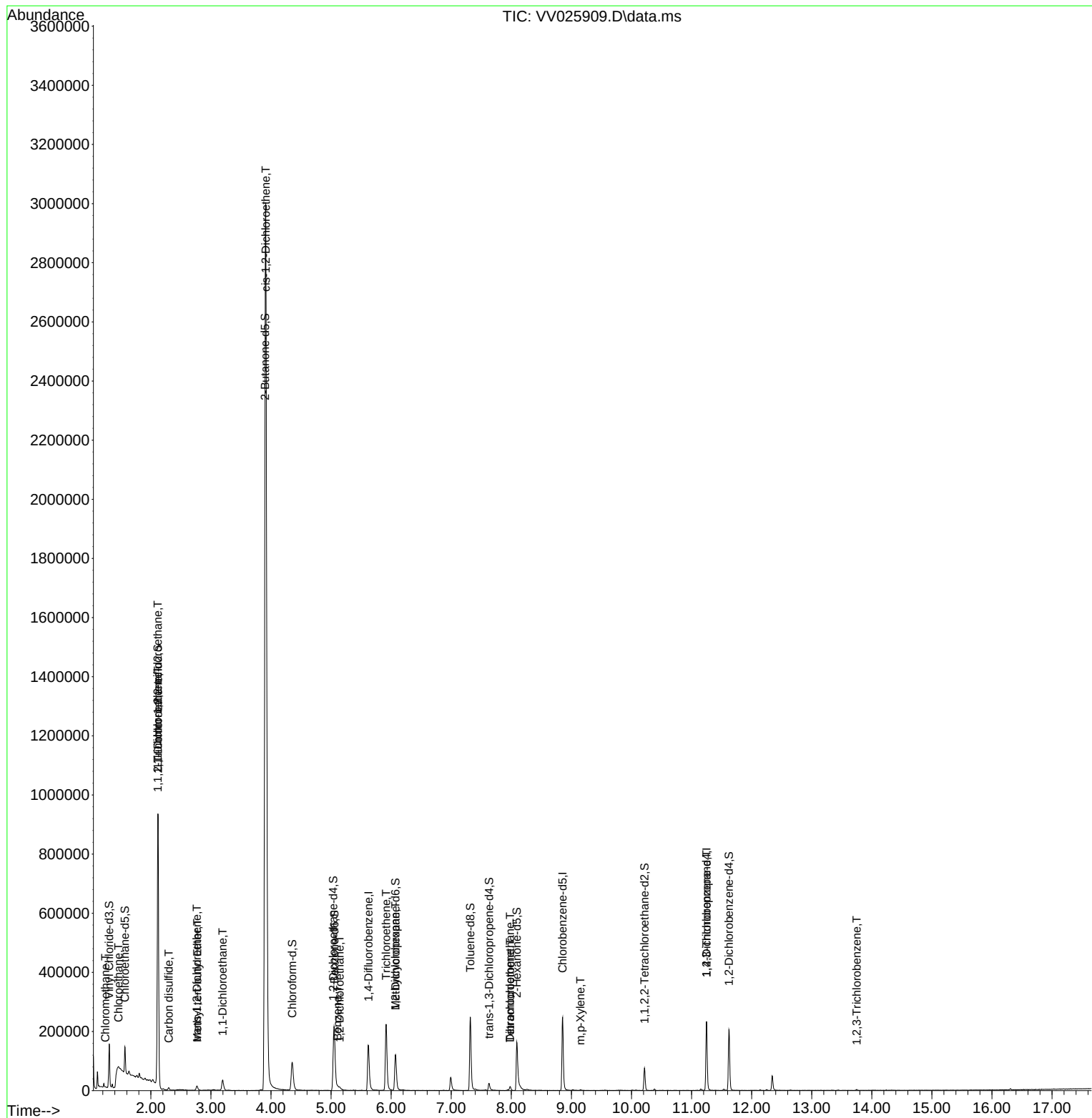
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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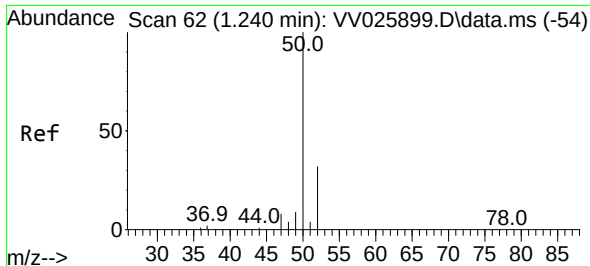
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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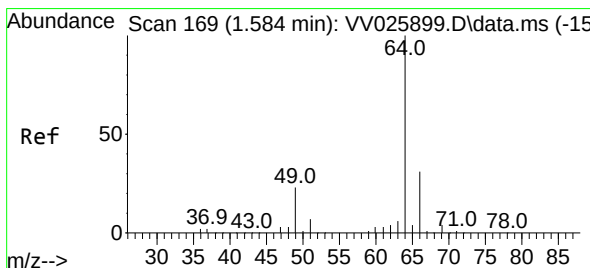
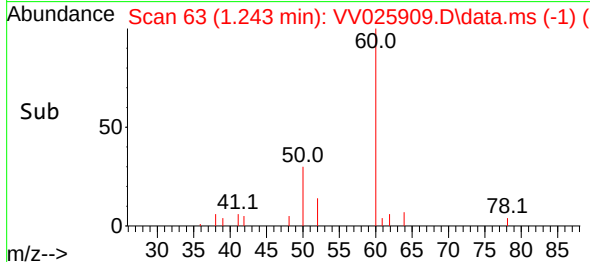
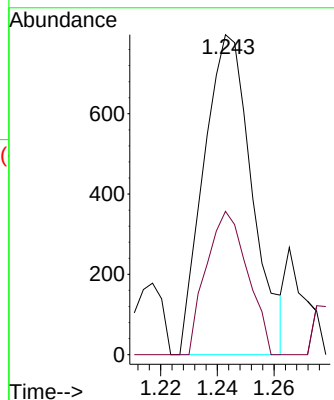
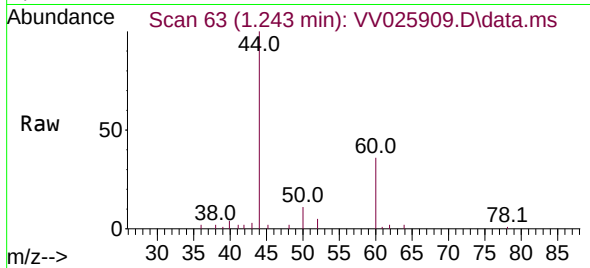




#3
Chloromethane
Concen: 0.056 ug/L
RT: 1.243 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV025909.D
Acq: 16 May 2022 13:57

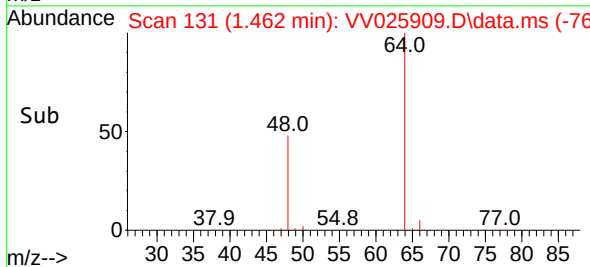
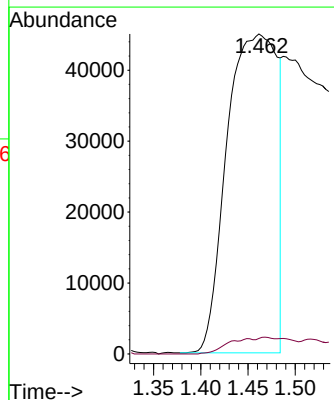
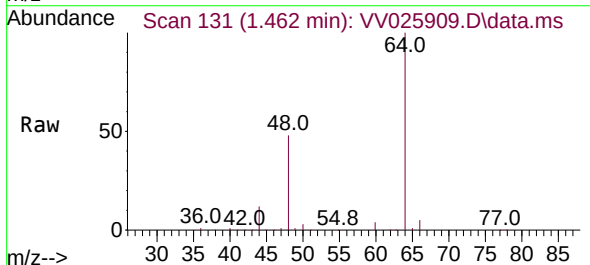
Instrument :
MSVOA_V
ClientSampleId :
YB2K0

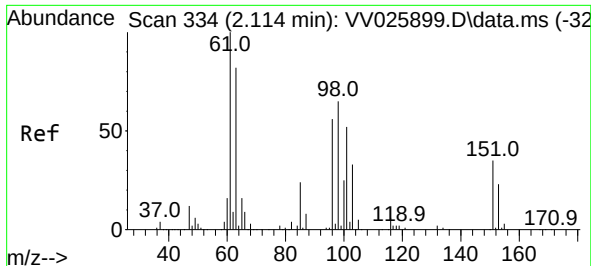
Tgt Ion: 50 Resp: 943
Ion Ratio Lower Upper
50 100
52 44.8 23.9 44.3#



#8
Chloroethane
Concen: 14.385 ug/L
RT: 1.462 min Scan# 131
Delta R.T. -0.122 min
Lab File: VV025909.D
Acq: 16 May 2022 13:57

Tgt Ion: 64 Resp: 165733
Ion Ratio Lower Upper
64 100
66 4.9 22.9 42.5#

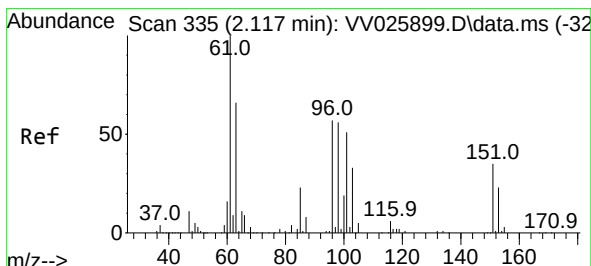
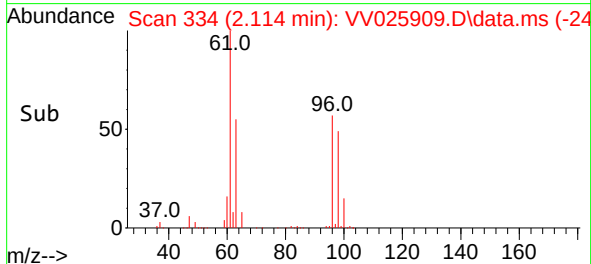
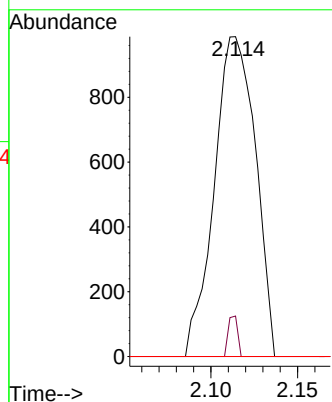
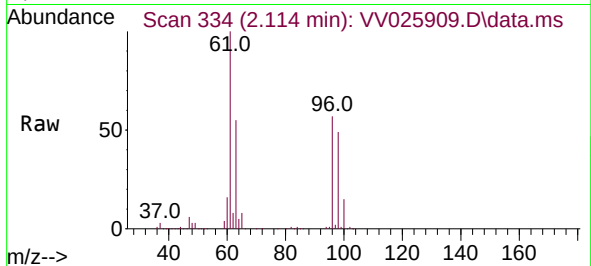




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.123 ug/L
 RT: 2.114 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VV025909.D
 Acq: 16 May 2022 13:57

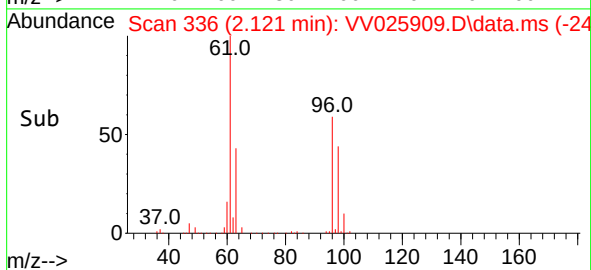
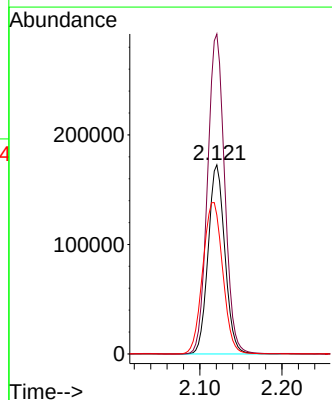
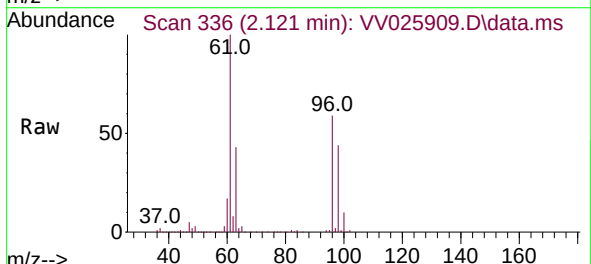
Instrument :
 MSVOA_V
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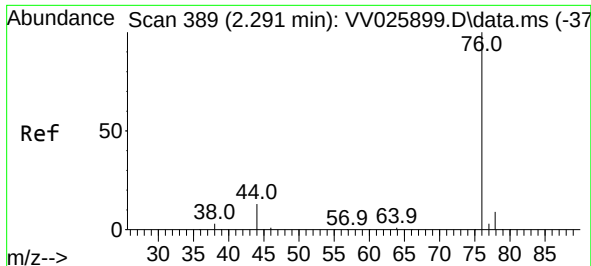
Tgt Ion:101 Resp: 1638
 Ion Ratio Lower Upper
 101 100
 85 2.9 35.7 53.5#
 151 0.0 54.1 81.1#



#12
 1,1-Dichloroethene
 Concen: 18.969 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.003 min
 Lab File: VV025909.D
 Acq: 16 May 2022 13:57

Tgt Ion: 96 Resp: 244354
 Ion Ratio Lower Upper
 96 100
 61 169.3 119.8 222.6
 63 73.4 78.3 145.3#

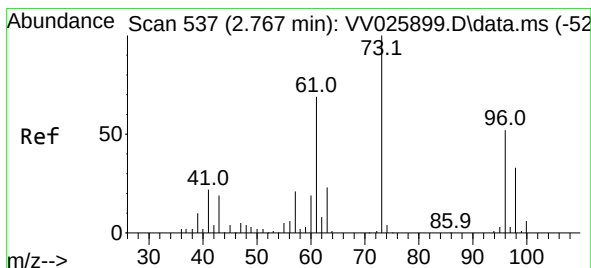
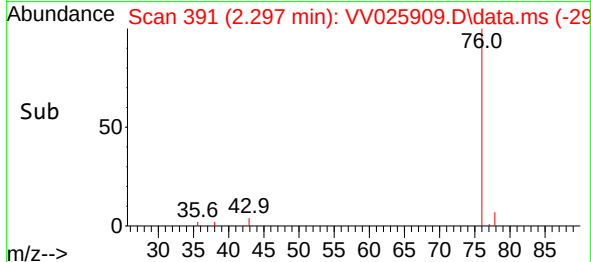
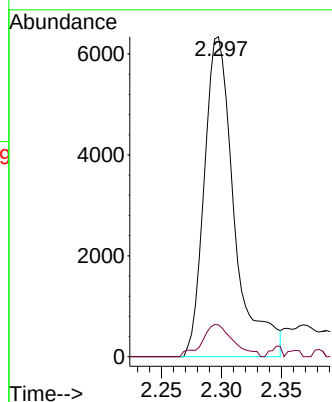
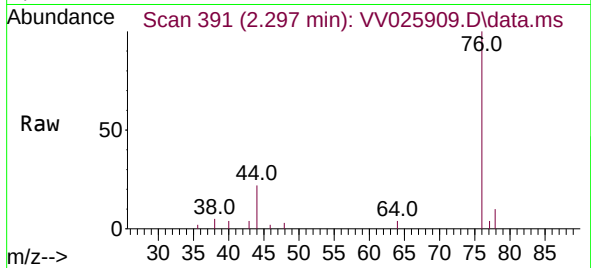




#14
Carbon disulfide
Concen: 0.334 ug/L
RT: 2.297 min Scan# 391
Delta R.T. 0.006 min
Lab File: VV025909.D
Acq: 16 May 2022 13:57

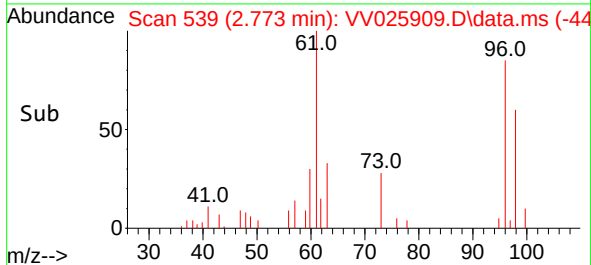
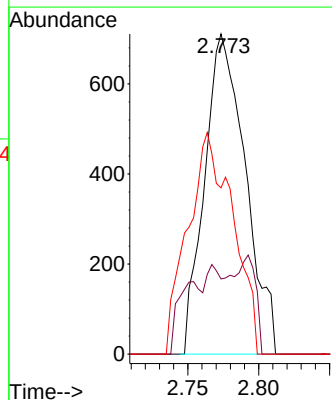
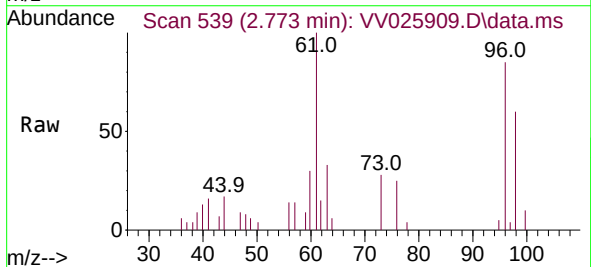
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MSVOA_V
ClientSampleId :
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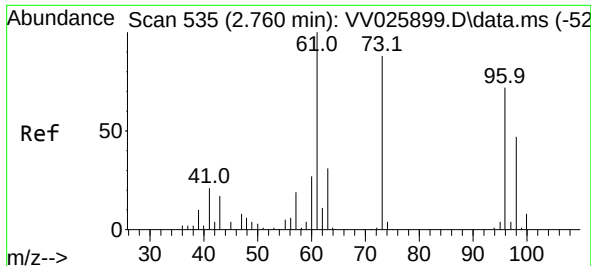
Tgt Ion: 76 Resp: 11071
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.6



#17
Methyl tert-butyl Ether
Concen: 0.069 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.006 min
Lab File: VV025909.D
Acq: 16 May 2022 13:57

Tgt Ion: 73 Resp: 1426
Ion Ratio Lower Upper
73 100
43 12.1 14.6 22.0#
57 76.4 17.9 26.9#

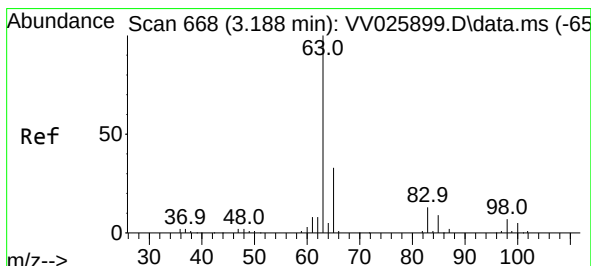
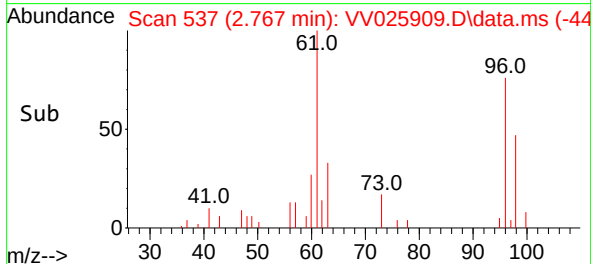
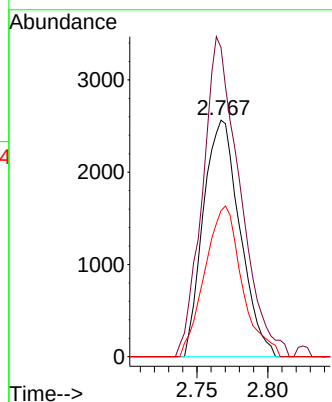
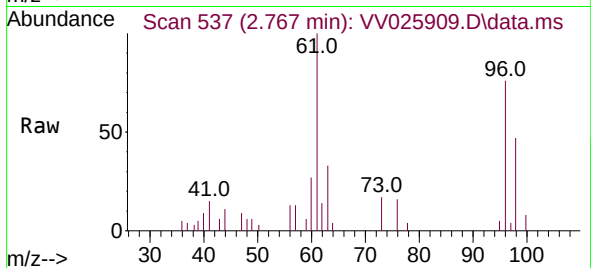




#18
trans-1,2-Dichloroethene
Concen: 0.410 ug/L
RT: 2.767 min Scan# 511
Delta R.T. 0.006 min
Lab File: VV025909.D
Acq: 16 May 2022 13:57

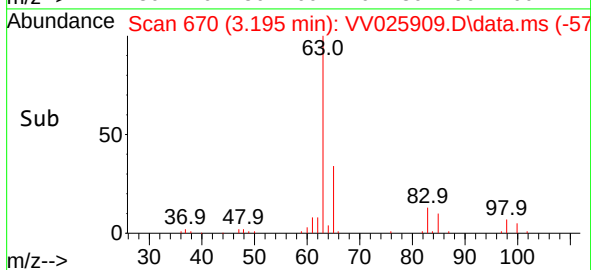
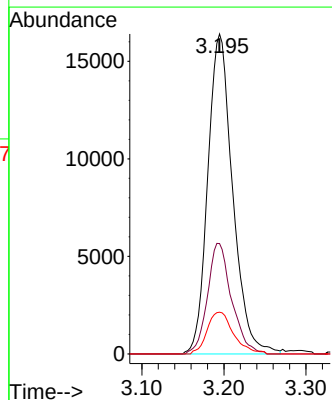
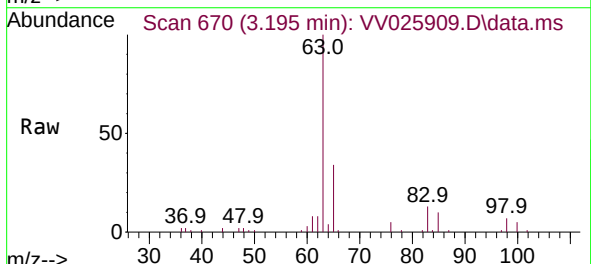
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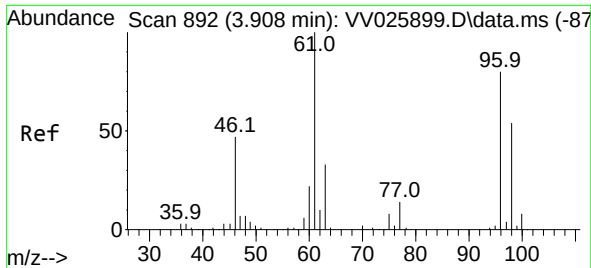
Tgt Ion: 96 Resp: 4611
Ion Ratio Lower Upper
96 100
61 130.7 93.6 173.8
98 61.7 42.8 79.4



#19
1,1-Dichloroethane
Concen: 1.628 ug/L
RT: 3.195 min Scan# 670
Delta R.T. 0.006 min
Lab File: VV025909.D
Acq: 16 May 2022 13:57

Tgt Ion: 63 Resp: 34619
Ion Ratio Lower Upper
63 100
65 34.5 22.3 41.5
83 13.0 10.0 18.6





#22

cis-1,2-Dichloroethene

Concen: 144.256 ug/L

RT: 3.912 min Scan# 89

Delta R.T. 0.003 min

Lab File: VV025909.D

Acq: 16 May 2022 13:57

Instrument :

MSVOA_V

ClientSampleId :

YB2K0

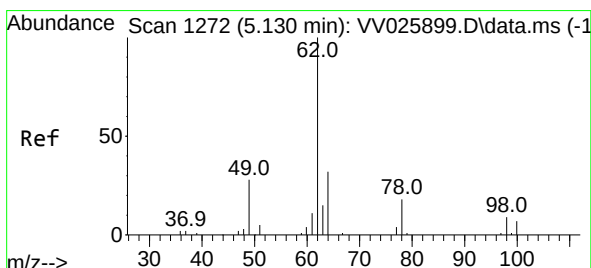
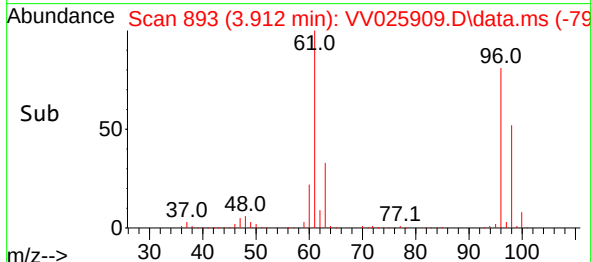
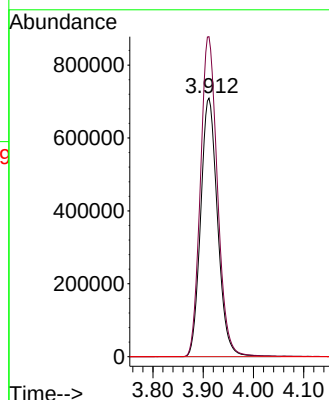
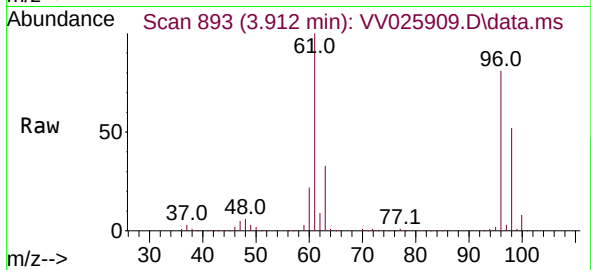
Tgt Ion: 96 Resp: 1655557

Ion Ratio Lower Upper

96 100

61 123.8 88.9 165.1

68 0.0 0.0 0.0



#27

1,2-Dichloroethane

Concen: 0.687 ug/L

RT: 5.143 min Scan# 1276

Delta R.T. 0.013 min

Lab File: VV025909.D

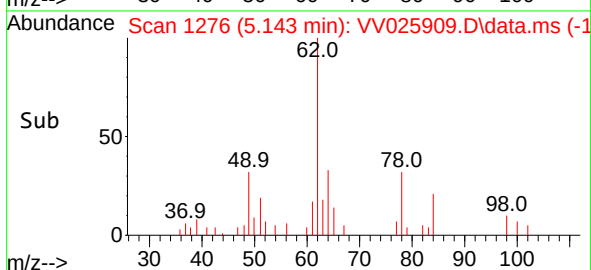
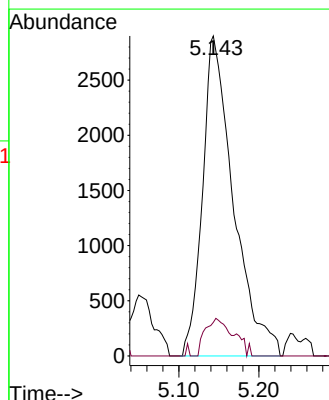
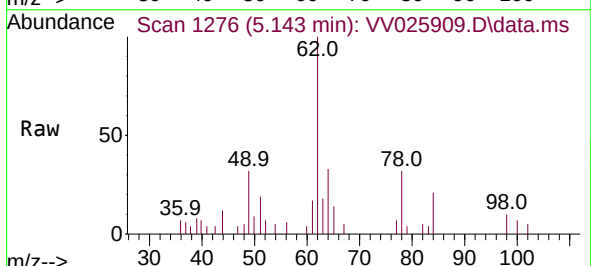
Acq: 16 May 2022 13:57

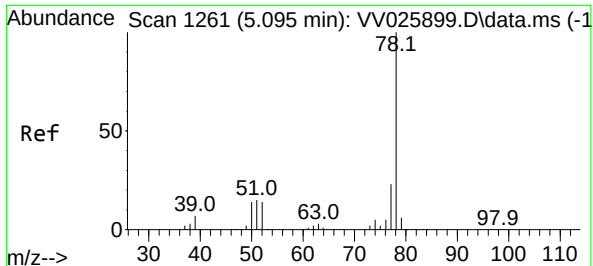
Tgt Ion: 62 Resp: 7804

Ion Ratio Lower Upper

62 100

98 10.5 7.9 11.9

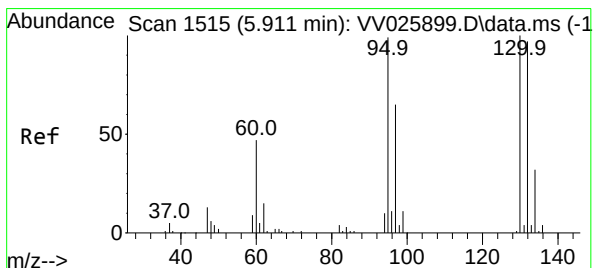
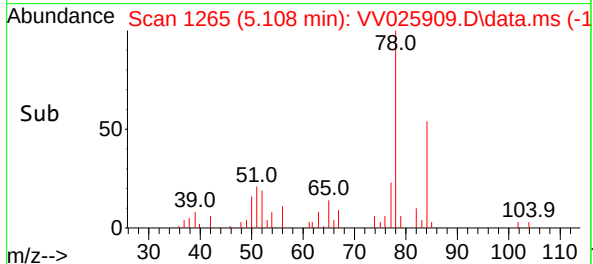
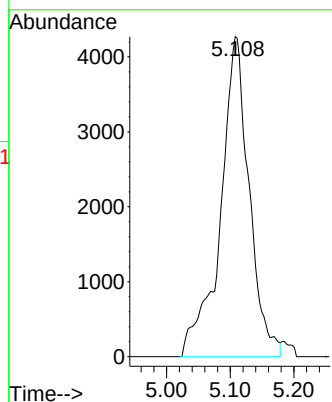
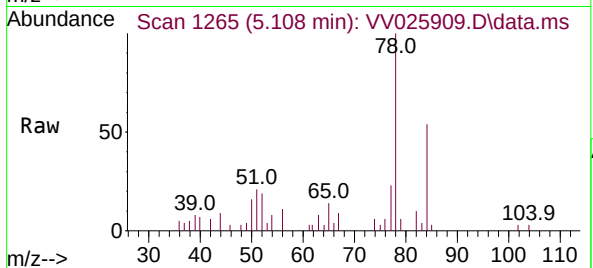




#33
Benzene
Concen: 0.285 ug/L
RT: 5.108 min Scan# 11
Delta R.T. 0.013 min
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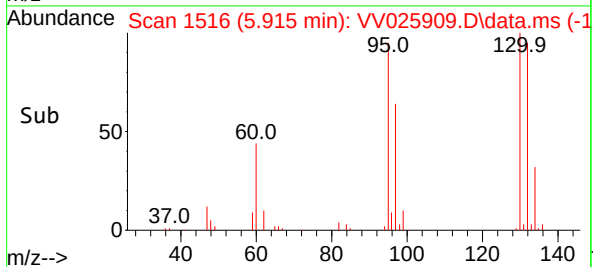
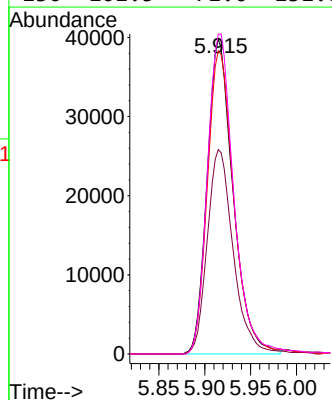
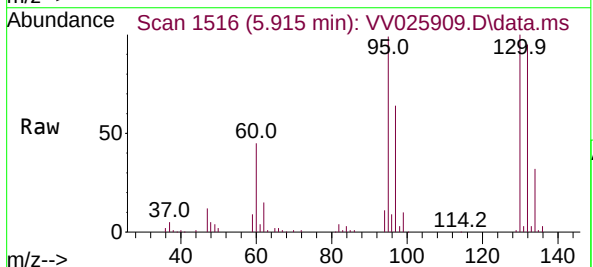
Tgt Ion: 78 Resp: 13382

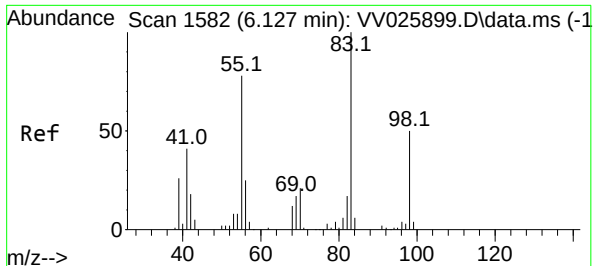


#34
Trichloroethene
Concen: 6.517 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.003 min
Lab File: VV025909.D
Acq: 16 May 2022 13:57

Tgt Ion: 95 Resp: 78258

Ion	Ratio	Lower	Upper
95	100		
97	64.9	44.9	83.3
132	96.2	67.6	125.6
130	101.5	71.0	131.8





#35

Methylcyclohexane

Concen: 0.751 ug/L

RT: 6.072 min Scan# 1

Delta R.T. -0.055 min

Lab File: VV025909.D

Acq: 16 May 2022 13:57

Instrument :

MSVOA_V

ClientSampleId :

YB2K0

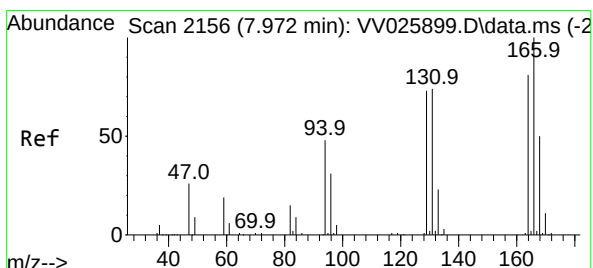
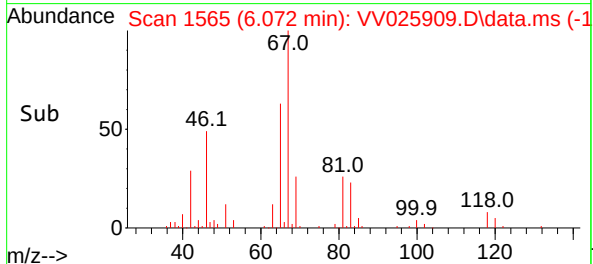
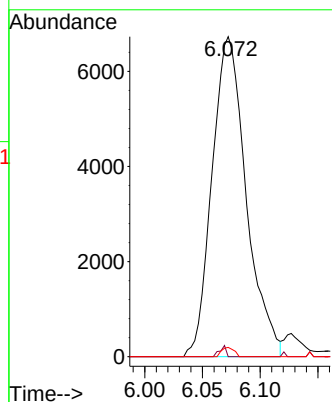
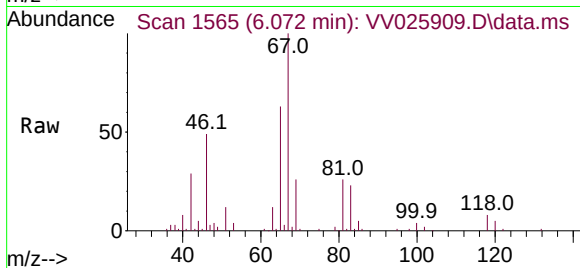
Tgt Ion: 83 Resp: 13852

Ion Ratio Lower Upper

83 100

55 0.6 60.1 90.1#

98 1.1 40.6 61.0#



#47

Tetrachloroethene

Concen: 0.310 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. 0.010 min

Lab File: VV025909.D

Acq: 16 May 2022 13:57

Tgt Ion: 164 Resp: 2885

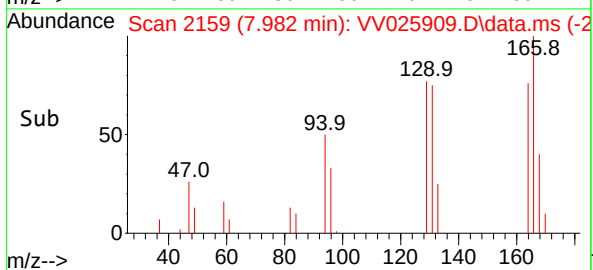
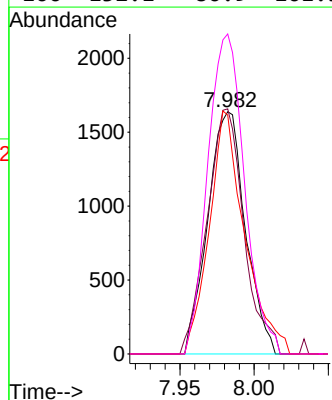
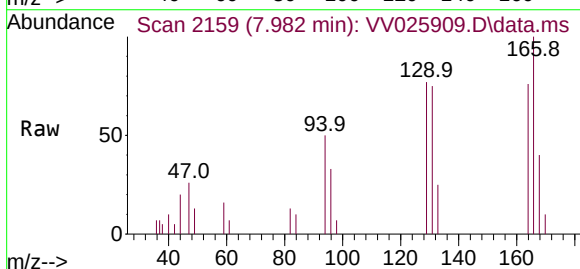
Ion Ratio Lower Upper

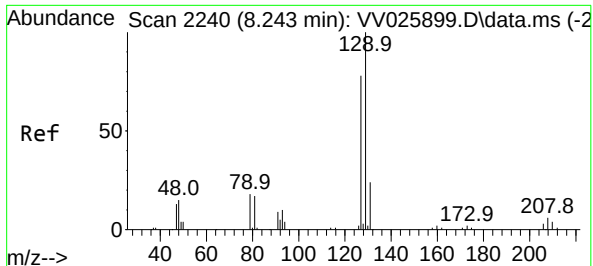
164 100

129 101.2 67.5 125.4

131 98.6 63.8 118.4

166 132.1 86.9 161.3





#49

Dibromochloromethane

Concen: 0.344 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. -0.260 min

Lab File: VV025909.D

Acq: 16 May 2022 13:57

Instrument :

MSVOA_V

ClientSampleId :

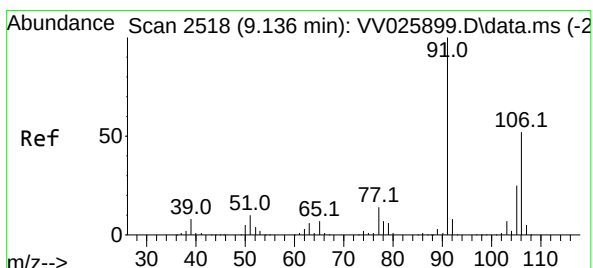
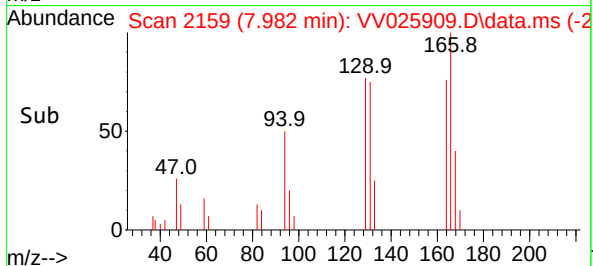
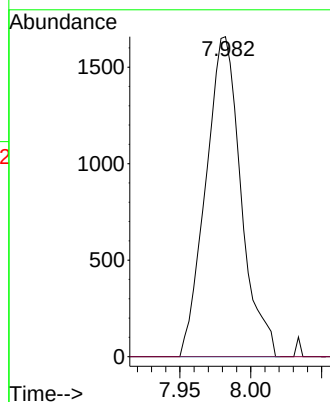
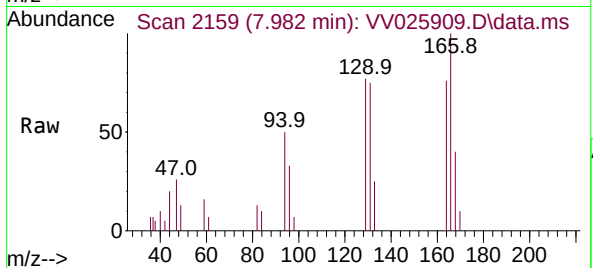
YB2K0

Tgt Ion:129 Resp: 2864

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#53

m,p-Xylene

Concen: 0.033 ug/L

RT: 9.149 min Scan# 2522

Delta R.T. 0.013 min

Lab File: VV025909.D

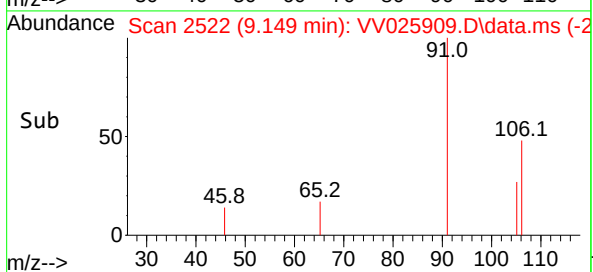
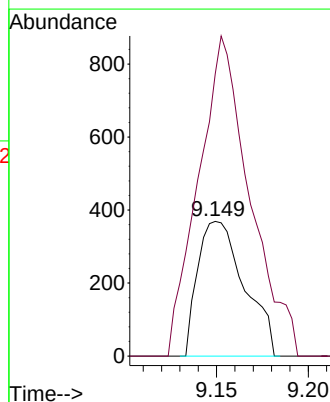
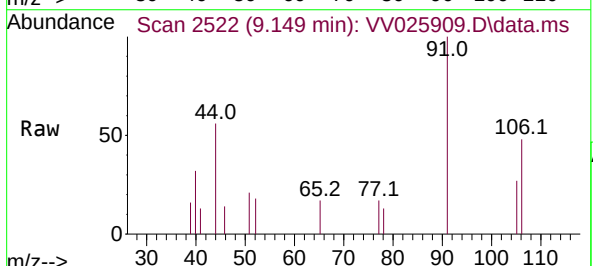
Acq: 16 May 2022 13:57

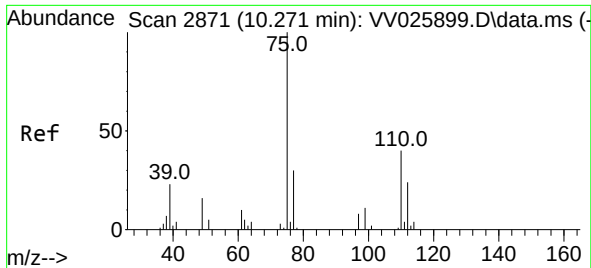
Tgt Ion:106 Resp: 653

Ion Ratio Lower Upper

106 100

91 209.5 135.3 251.3

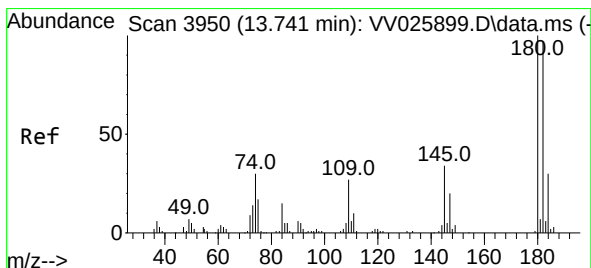
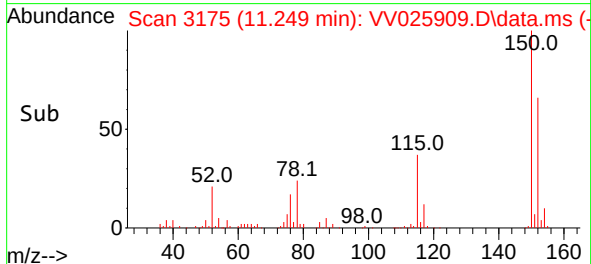
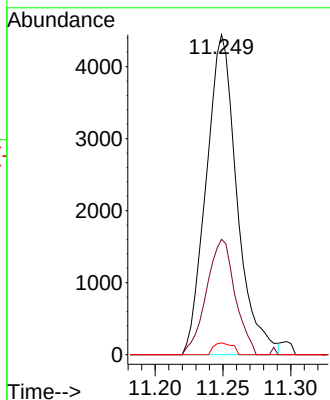
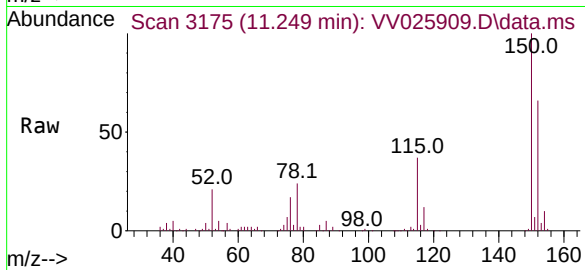




#61
 1,2,3-Trichloropropane
 Concen: 1.380 ug/L
 RT: 11.249 min Scan# 3175
 Delta R.T. 0.978 min
 Lab File: VV025909.D
 Acq: 16 May 2022 13:57

Instrument :
 MSVOA_V
 ClientSampleId :
 YB2K0

Tgt Ion: 75 Resp: 7010
 Ion Ratio Lower Upper
 75 100
 77 33.6 26.2 39.2
 110 2.3 32.4 48.6#



#72
 1,2,3-Trichlorobenzene
 Concen: 0.108 ug/L
 RT: 13.747 min Scan# 3952
 Delta R.T. 0.006 min
 Lab File: VV025909.D
 Acq: 16 May 2022 13:57

Tgt Ion:180 Resp: 1015
 Ion Ratio Lower Upper
 180 100
 182 78.8 73.5 110.3
 145 27.1 25.9 38.9

