

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051722\
 Data File : VW025922.D
 Acq On : 17 May 2022 12:00
 Operator : SY/MD
 Sample : N2831-05RE
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 YB2K2

Quant Time: May 18 05:57:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR051322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 18 05:55:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	154586	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	160175	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	80150	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	61630	4.827	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.600%
7) Chloroethane-d5	1.571	69	57431	5.253	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.000%
11) 1,1-Dichloroethene-d2	2.111	63	124820	4.417	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.400%
20) 2-Butanone-d5	3.905	46	72102	48.765	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.540%
24) Chloroform-d	4.352	84	107599	5.160	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.200%
26) 1,2-Dichloroethane-d4	5.037	65	46684	5.279	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.600%
32) Benzene-d6	5.050	84	212501	5.109	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.200%
36) 1,2-Dichloropropane-d6	6.069	67	65477	5.415	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.200%
41) Toluene-d8	7.317	98	177990	4.603	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.000%
43) trans-1,3-Dichloroprop...	7.629	79	14703	3.718	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.400%
46) 2-Hexanone-d5	8.092	63	70477	47.998	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.000%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	42298	5.430	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	61058	5.351	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	1834	0.094	ug/L	99
5) Vinyl chloride	1.310	62	1448	0.071	ug/L #	1
8) Chloroethane	1.516	64	161779	12.176	ug/L #	50
12) 1,1-Dichloroethene	2.121	96	42304	2.847	ug/L #	70
14) Carbon disulfide	2.298	76	10117	0.264	ug/L	99
17) Methyl tert-butyl Ether	2.777	73	2701	0.114	ug/L #	77
19) 1,1-Dichloroethane	3.195	63	40609	1.656	ug/L	96
22) cis-1,2-Dichloroethene	3.915	96	72293	5.462	ug/L	96
27) 1,2-Dichloroethane	5.150	62	4641	0.354	ug/L #	89
33) Benzene	5.108	78	3929	0.072	ug/L	100
34) Trichloroethene	5.915	95	122049	8.810	ug/L	98
35) Methylcyclohexane	6.069	83	15998	0.752	ug/L #	19
39) cis-1,3-Dichloropropene	6.995	75	1207	0.073	ug/L #	79
47) Tetrachloroethene	7.976	164	28940	2.696	ug/L	96
49) Dibromochloromethane	7.976	129	28165	2.934	ug/L #	10
61) 1,2,3-Trichloropropane	11.246	75	10380	1.556	ug/L #	65
62) 1,3,5-Trimethylbenzene	10.918	105	1010	0.044	ug/L	98

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed May 18 05:55:49 2022
Response via : Initial Calibration

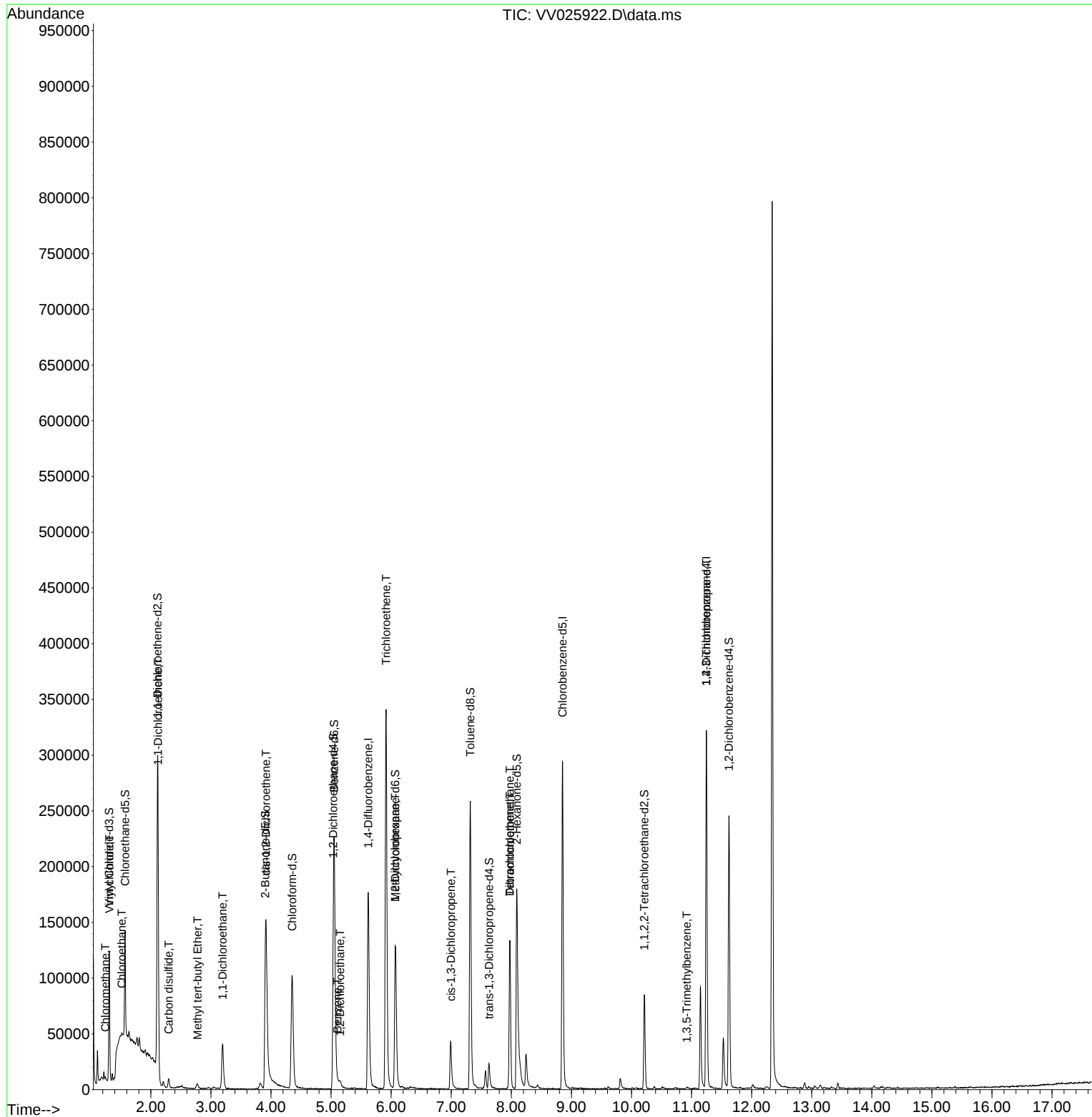
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

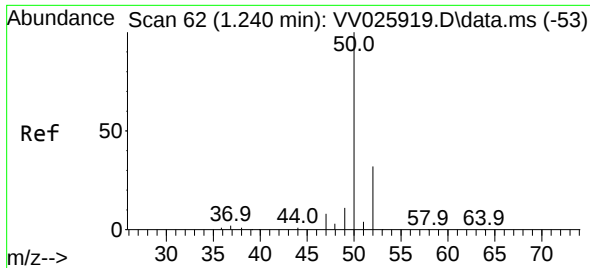
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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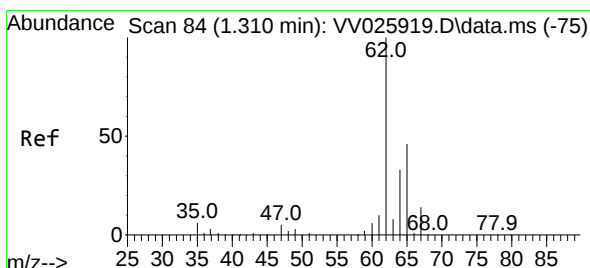
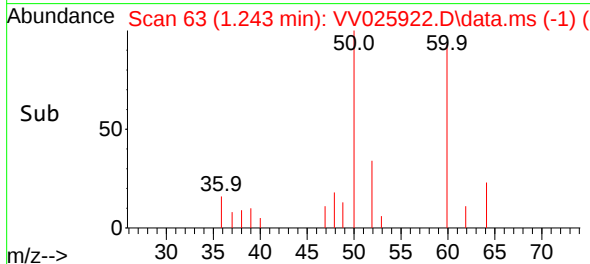
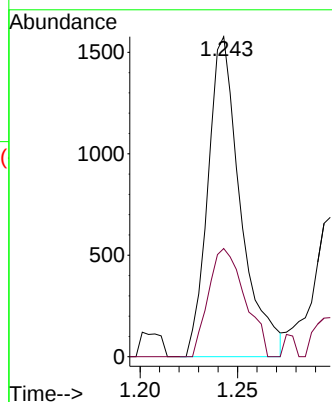
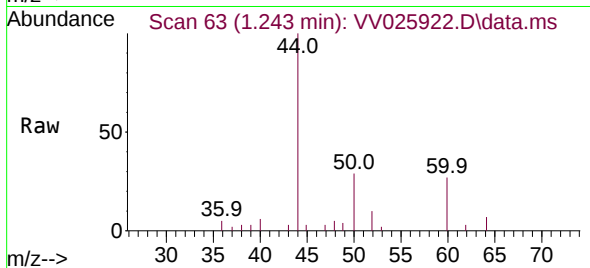




#3
Chloromethane
Concen: 0.094 ug/L
RT: 1.243 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV025922.D
Acq: 17 May 2022 12:00

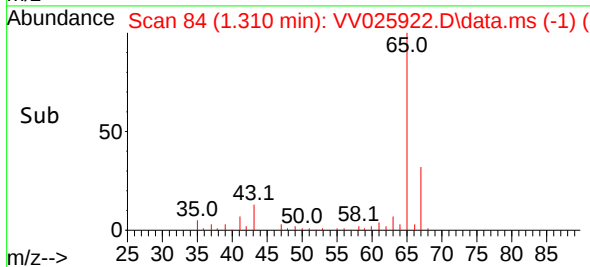
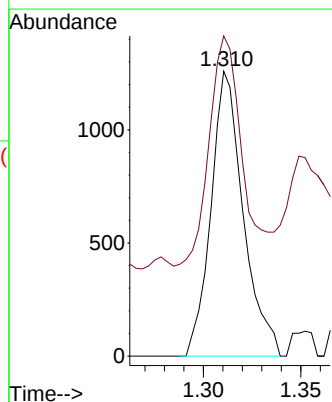
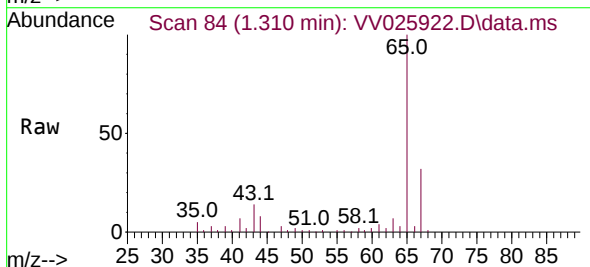
Instrument :
MSVOA_V
ClientSampleId :
YB2K2

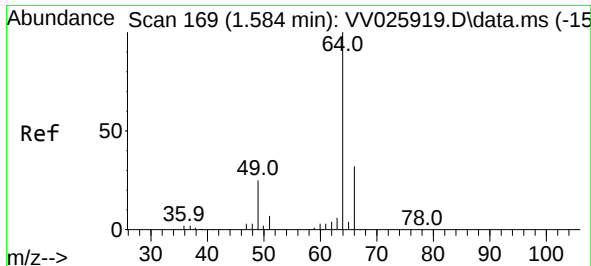
Tgt Ion: 50 Resp: 1834
Ion Ratio Lower Upper
50 100
52 33.8 23.9 44.3



#5
Vinyl chloride
Concen: 0.071 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.000 min
Lab File: VV025922.D
Acq: 17 May 2022 12:00

Tgt Ion: 62 Resp: 1448
Ion Ratio Lower Upper
62 100
64 112.4 22.9 42.5#

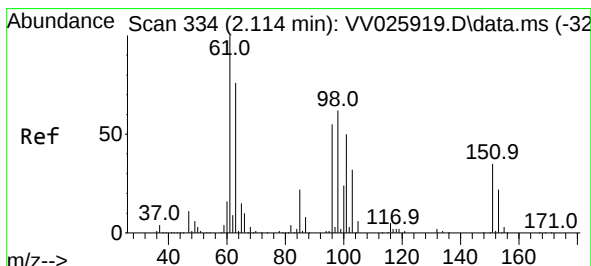
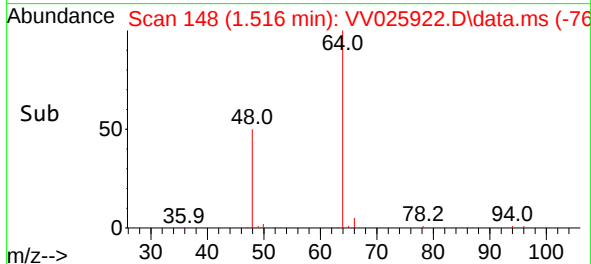
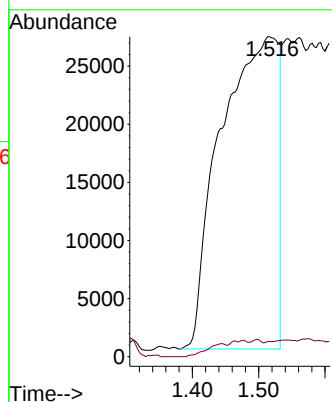
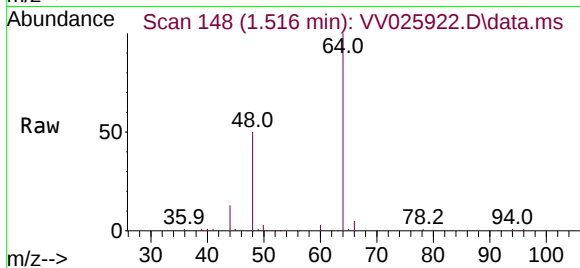




#8
Chloroethane
Concen: 12.176 ug/L
RT: 1.516 min Scan# 14
Delta R.T. -0.067 min
Lab File: VV025922.D
Acq: 17 May 2022 12:00

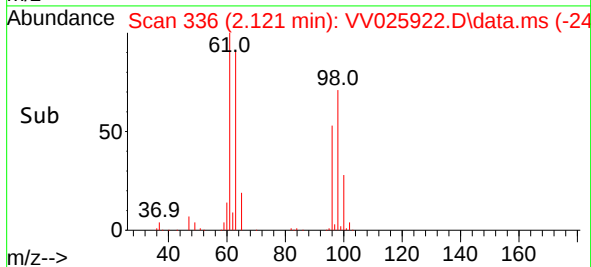
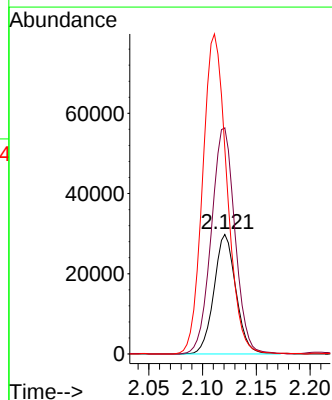
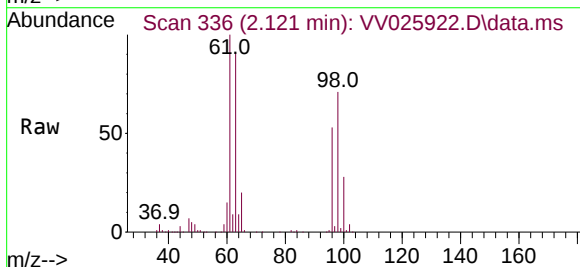
Instrument :
MSVOA_V
ClientSampleId :
YB2K2

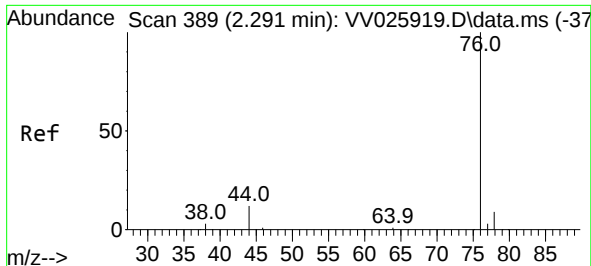
Tgt Ion: 64 Resp: 161779
Ion Ratio Lower Upper
64 100
66 4.7 22.9 42.5#



#12
1,1-Dichloroethene
Concen: 2.847 ug/L
RT: 2.121 min Scan# 336
Delta R.T. 0.007 min
Lab File: VV025922.D
Acq: 17 May 2022 12:00

Tgt Ion: 96 Resp: 42304
Ion Ratio Lower Upper
96 100
61 189.1 119.8 222.6
63 171.5 78.3 145.3#

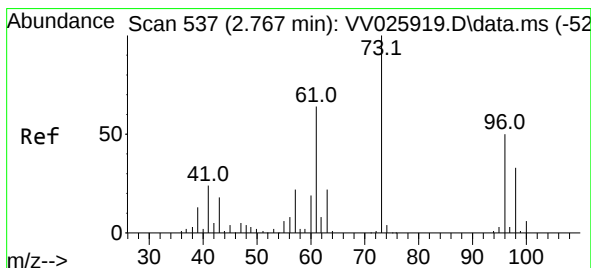
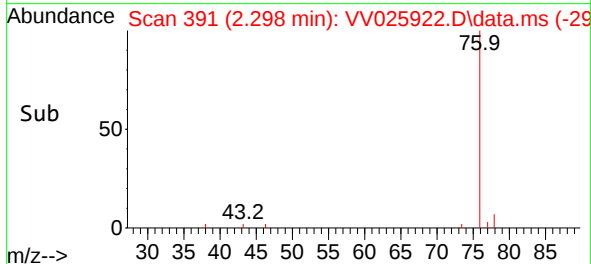
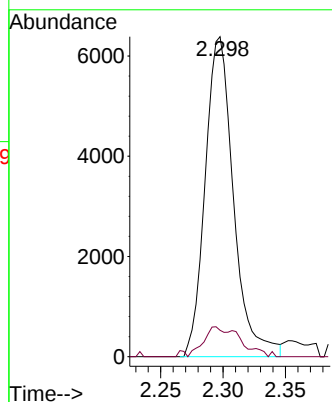
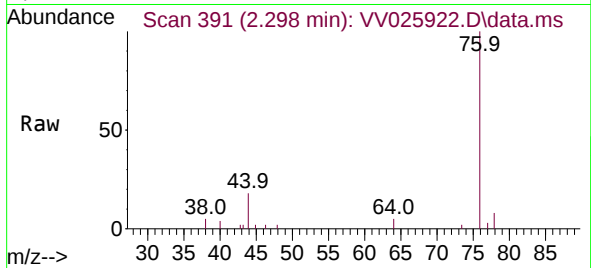




#14
Carbon disulfide
Concen: 0.264 ug/L
RT: 2.298 min Scan# 391
Delta R.T. 0.007 min
Lab File: VV025922.D
Acq: 17 May 2022 12:00

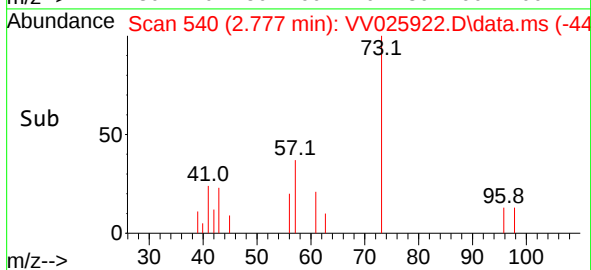
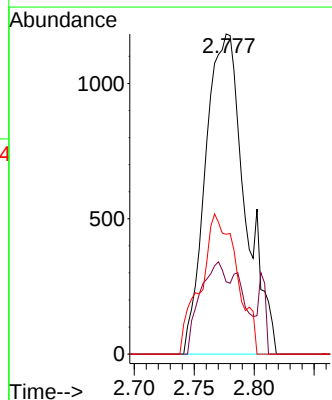
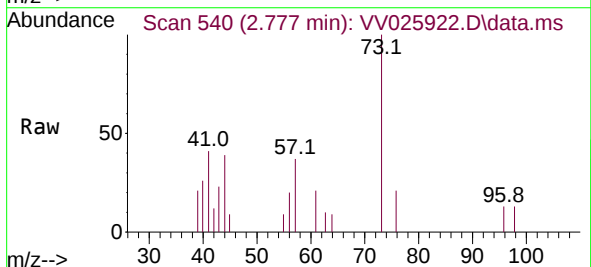
Instrument :
MSVOA_V
ClientSampleId :
YB2K2

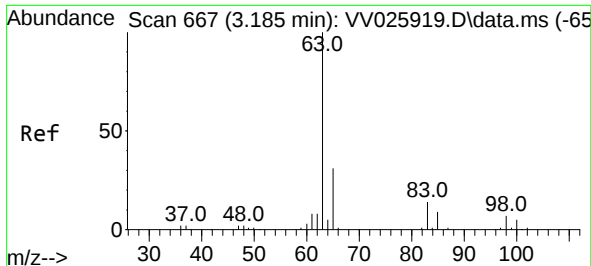
Tgt Ion: 76 Resp: 10117
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.6



#17
Methyl tert-butyl Ether
Concen: 0.114 ug/L
RT: 2.777 min Scan# 540
Delta R.T. 0.010 min
Lab File: VV025922.D
Acq: 17 May 2022 12:00

Tgt Ion: 73 Resp: 2701
Ion Ratio Lower Upper
73 100
43 20.4 14.6 22.0
57 40.6 17.9 26.9#





#19

1,1-Dichloroethane

Concen: 1.656 ug/L

RT: 3.195 min Scan# 61

Delta R.T. 0.010 min

Lab File: VV025922.D

Acq: 17 May 2022 12:00

Instrument :

MSVOA_V

ClientSampleId :

YB2K2

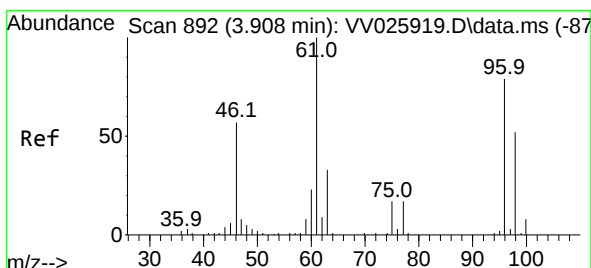
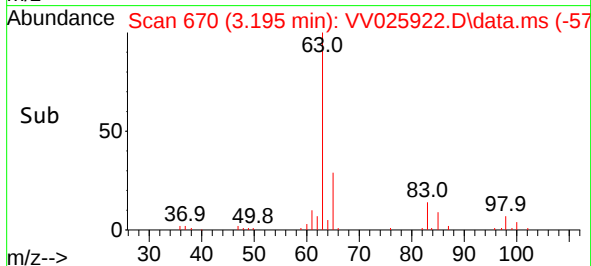
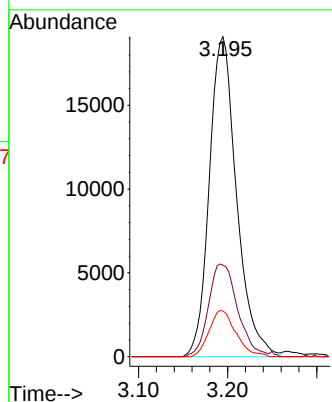
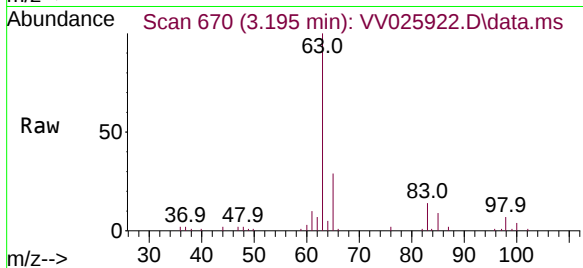
Tgt Ion: 63 Resp: 40609

Ion Ratio Lower Upper

63 100

65 28.6 22.3 41.5

83 14.3 10.0 18.6



#22

cis-1,2-Dichloroethene

Concen: 5.462 ug/L

RT: 3.915 min Scan# 894

Delta R.T. 0.007 min

Lab File: VV025922.D

Acq: 17 May 2022 12:00

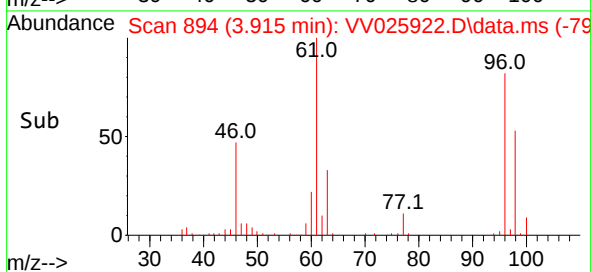
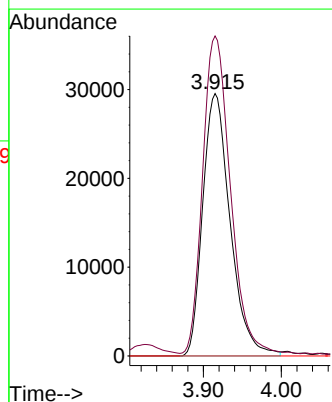
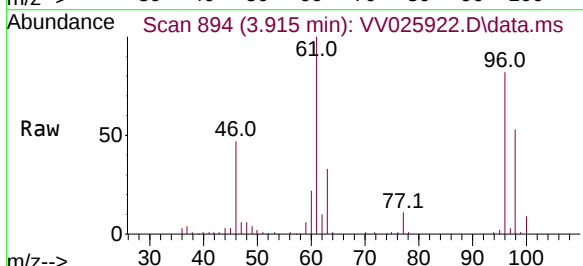
Tgt Ion: 96 Resp: 72293

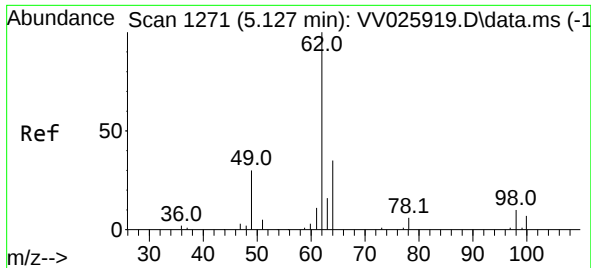
Ion Ratio Lower Upper

96 100

61 121.9 88.9 165.1

68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.354 ug/L

RT: 5.150 min Scan# 1278

Delta R.T. 0.023 min

Lab File: VV025922.D

Acq: 17 May 2022 12:00

Instrument :

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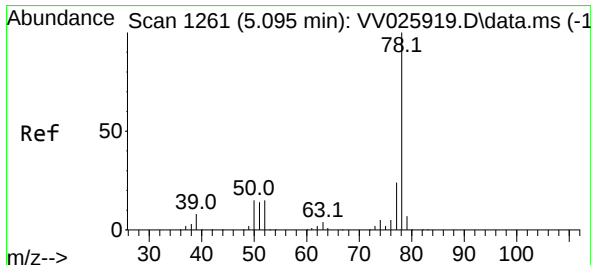
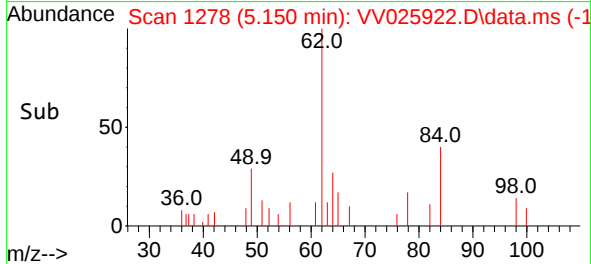
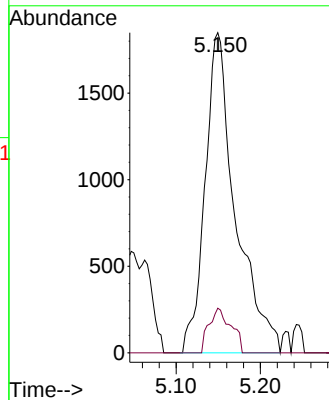
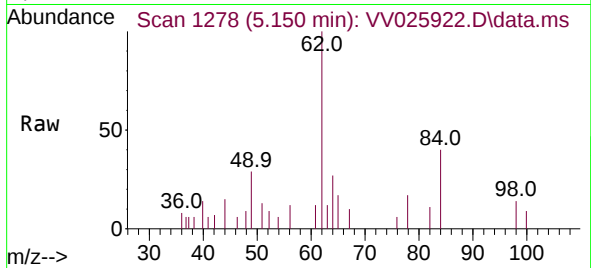
YB2K2

Tgt Ion: 62 Resp: 4641

Ion Ratio Lower Upper

62 100

98 13.9 7.9 11.9#



#33

Benzene

Concen: 0.072 ug/L

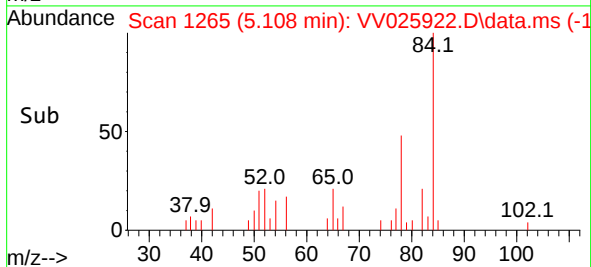
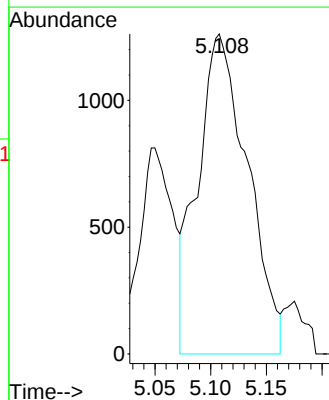
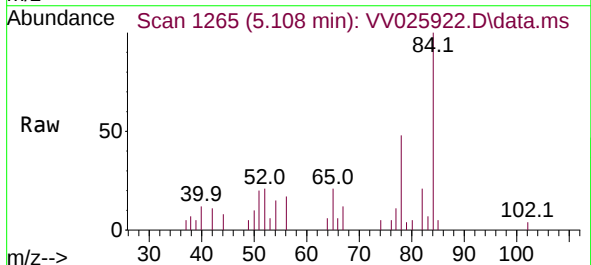
RT: 5.108 min Scan# 1265

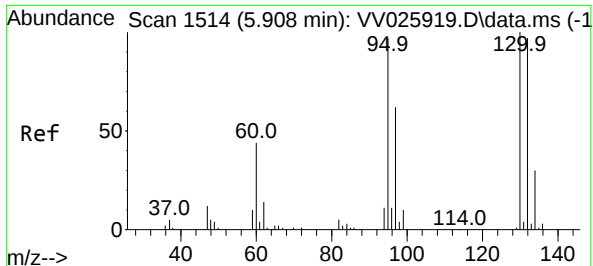
Delta R.T. 0.013 min

Lab File: VV025922.D

Acq: 17 May 2022 12:00

Tgt Ion: 78 Resp: 3929

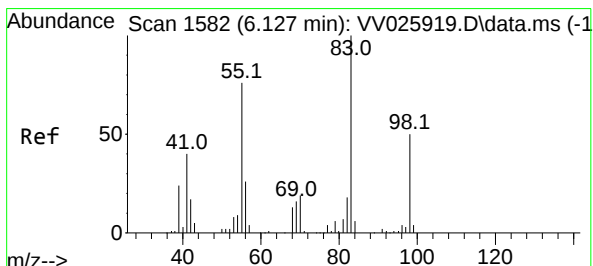
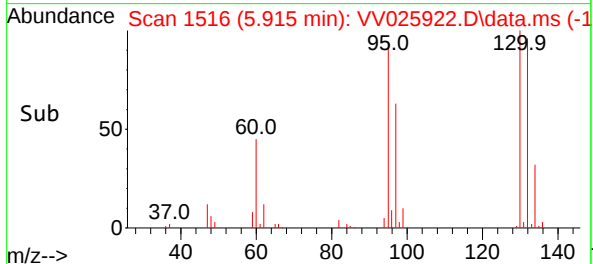
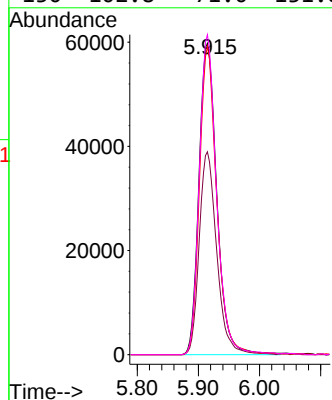
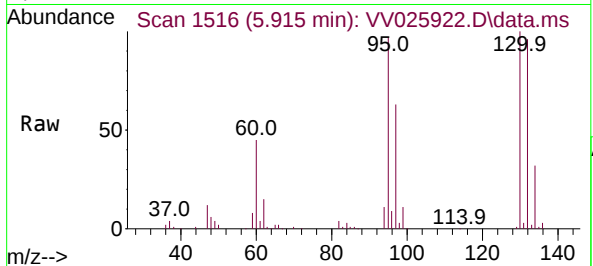




#34
Trichloroethene
Concen: 8.810 ug/L
RT: 5.915 min Scan# 11
Delta R.T. 0.007 min
Lab File: VV025922.D
Acq: 17 May 2022 12:00

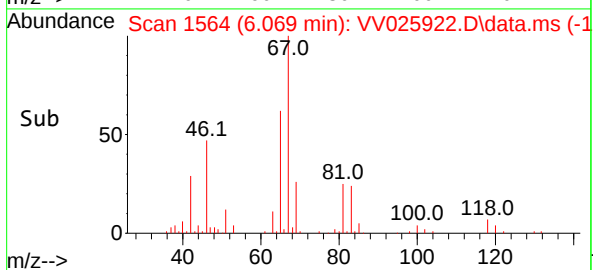
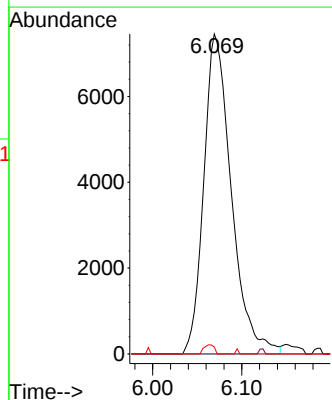
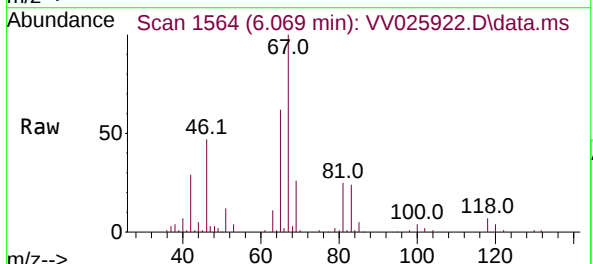
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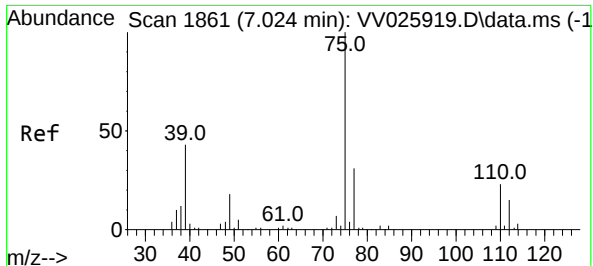
Tgt Ion: 95 Resp: 122049
Ion Ratio Lower Upper
95 100
97 65.2 44.9 83.3
132 99.0 67.6 125.6
130 102.8 71.0 131.8



#35
Methylcyclohexane
Concen: 0.752 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.058 min
Lab File: VV025922.D
Acq: 17 May 2022 12:00

Tgt Ion: 83 Resp: 15998
Ion Ratio Lower Upper
83 100
55 0.3 60.1 90.1#
98 1.1 40.6 61.0#





#39

cis-1,3-Dichloropropene

Concen: 0.073 ug/L

RT: 6.995 min Scan# 11

Delta R.T. -0.029 min

Lab File: VV025922.D

Acq: 17 May 2022 12:00

Instrument :

MSVOA_V

ClientSampleId :

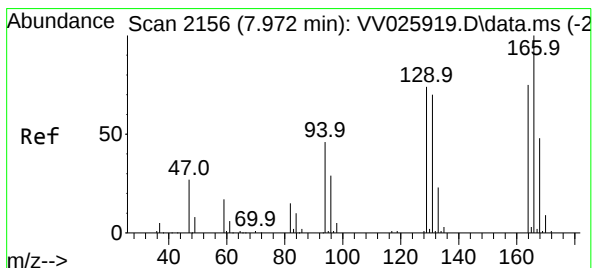
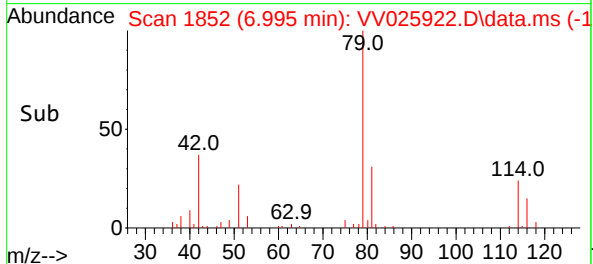
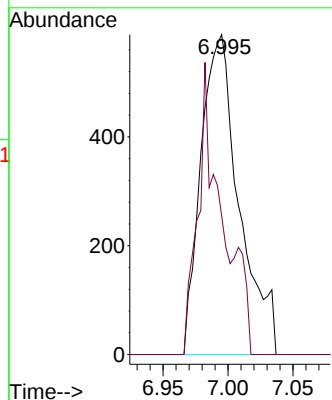
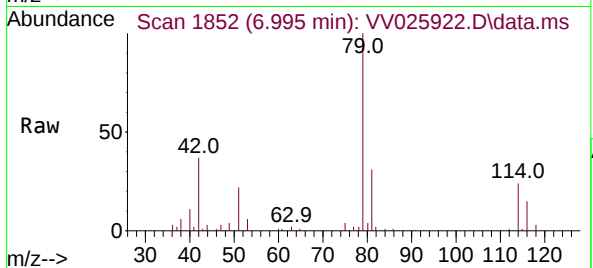
YB2K2

Tgt Ion: 75 Resp: 1207

Ion Ratio Lower Upper

75 100

77 43.4 22.1 41.1#



#47

Tetrachloroethene

Concen: 2.696 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV025922.D

Acq: 17 May 2022 12:00

Tgt Ion: 164 Resp: 28940

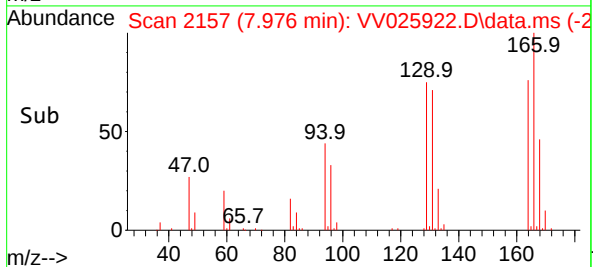
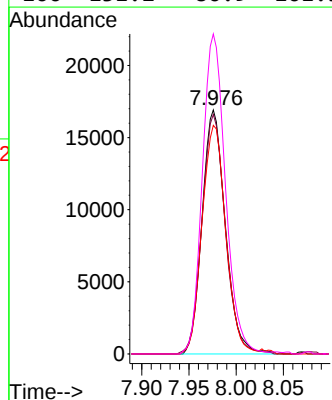
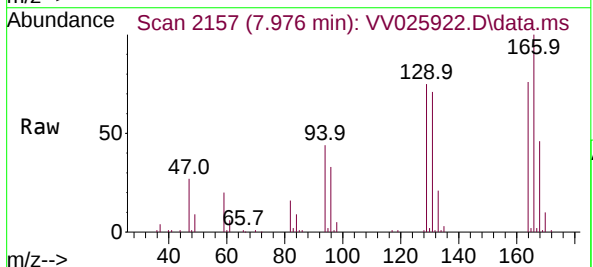
Ion Ratio Lower Upper

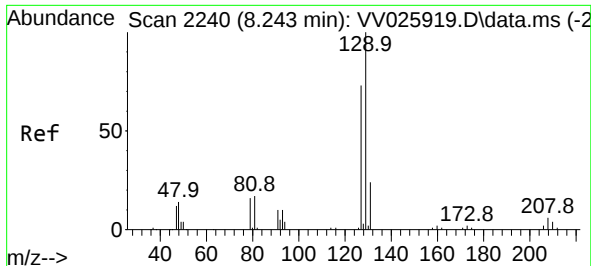
164 100

129 98.2 67.5 125.4

131 93.7 63.8 118.4

166 131.2 86.9 161.3





#49

Dibromochloromethane

Concen: 2.934 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV025922.D

Acq: 17 May 2022 12:00

Instrument :

MSVOA_V

ClientSampleId :

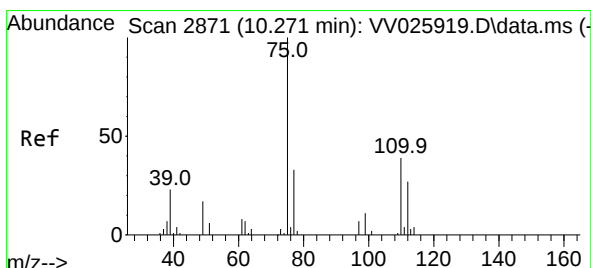
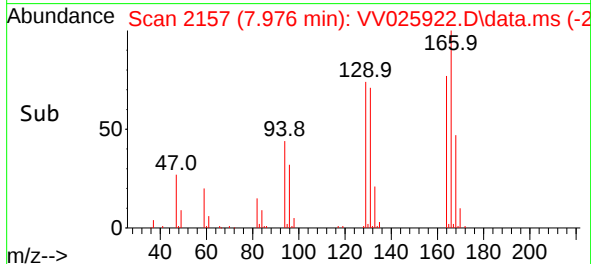
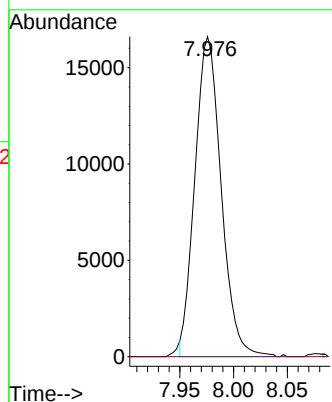
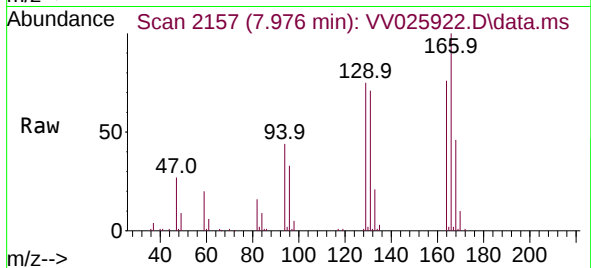
YB2K2

Tgt Ion:129 Resp: 28165

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#61

1,2,3-Trichloropropane

Concen: 1.556 ug/L

RT: 11.246 min Scan# 3174

Delta R.T. 0.974 min

Lab File: VV025922.D

Acq: 17 May 2022 12:00

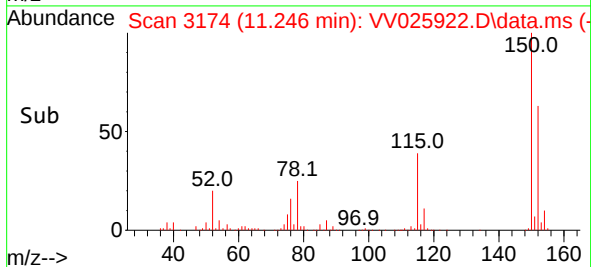
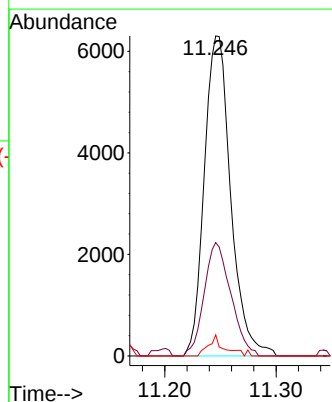
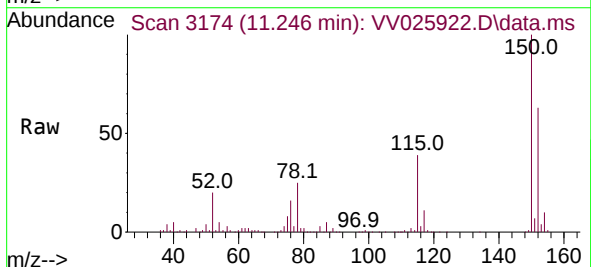
Tgt Ion: 75 Resp: 10380

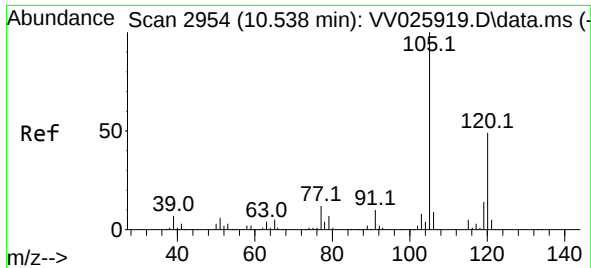
Ion Ratio Lower Upper

75 100

77 35.7 26.2 39.2

110 3.9 32.4 48.6#





#62
 1,3,5-Trimethylbenzene
 Concen: 0.044 ug/L
 RT: 10.918 min Scan# 30
 Delta R.T. 0.380 min
 Lab File: VV025922.D
 Acq: 17 May 2022 12:00

Instrument :
 MSVOA_V
 ClientSampleId :
 YB2K2

Tgt Ion:105 Resp: 1010
 Ion Ratio Lower Upper
 105 100
 120 49.1 40.4 60.6

