

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV051923\
 Data File : VV031103.D
 Acq On : 19 May 2023 13:41
 Operator : SY/MD
 Sample : 02866-19
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GBX92

Quant Time: May 20 00:32:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 20 00:29:13 2023
 Response via : Initial Calibration

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

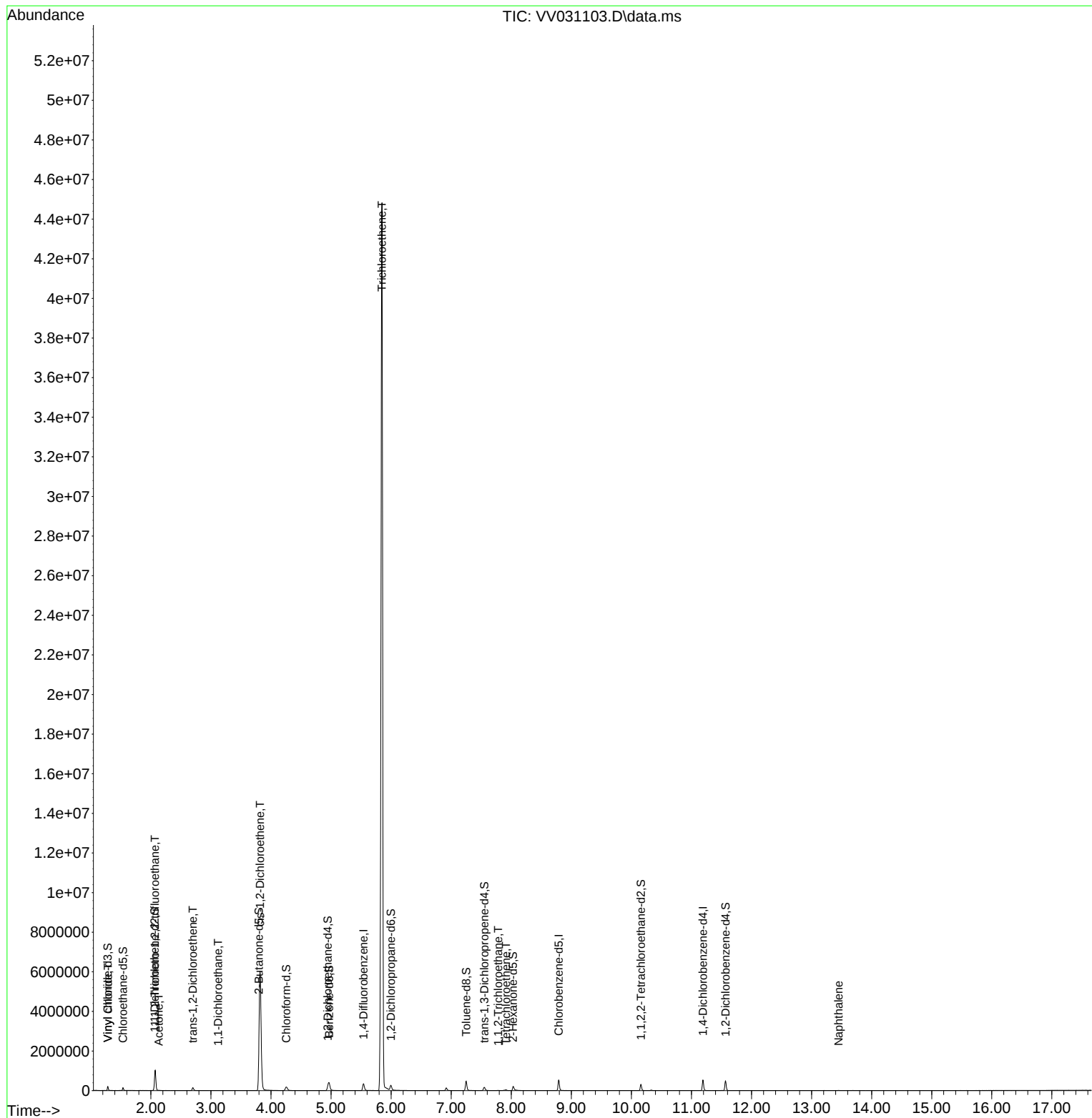
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	284007	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	274431	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	139713	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	103741	42.741	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.480%		
7) Chloroethane-d5	1.535	69	82850	44.309	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	88.620%		
11) 1,1-Dichloroethene-d2	2.063	65	50144	44.056	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.120%		
21) 2-Butanone-d5	3.799	46	129853	100.403	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	100.400%		
24) Chloroform-d	4.252	84	183543	42.745	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.500%		
26) 1,2-Dichloroethane-d4	4.947	65	129364	44.585	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.160%		
32) Benzene-d6	4.966	84	337568	45.374	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.740%		
36) 1,2-Dichloropropane-d6	5.995	67	100967	45.358	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.720%		
41) Toluene-d8	7.249	98	302511	43.567	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.140%		
43) trans-1,3-Dichloroprop...	7.555	79	54394	48.705	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.420%		
47) 2-Hexanone-d5	8.030	63	70558	81.297	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	81.300%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	134543	40.298	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	80.600%		
66) 1,2-Dichlorobenzene-d4	11.567	152	119357	47.540	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.080%		
Target Compounds						Qvalue
5) Vinyl chloride	1.285	62	39473	22.016	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	2320	1.248	ug/L #	26
13) Acetone	2.134	43	10965	6.521	ug/L	95
17) trans-1,2-Dichloroethene	2.699	96	51921	35.596	ug/L	99
19) 1,1-Dichloroethane	3.121	63	2192	0.659	ug/L	95
20) cis-1,2-Dichloroethene	3.818	96	3040648	1691.027	ug/L	93
34) Trichloroethene	5.847	95	13807269	7837.733	ug/L	94
45) 1,1,2-Trichloroethane	7.783	97	2549	1.291	ug/L	94
46) Tetrachloroethene	7.915	164	7935	5.246	ug/L	97
71) Naphthalene	13.451	128	5968	0.912	ug/L	98

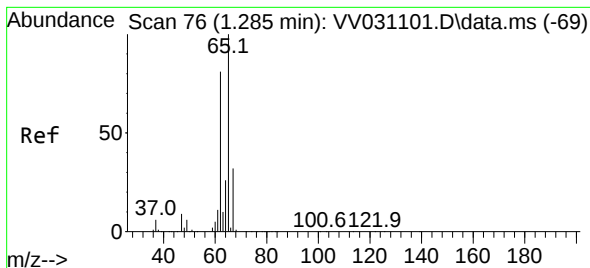
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat May 20 00:29:13 2023
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 22.016 ug/L

RT: 1.285 min Scan# 76

Delta R.T. -0.000 min

Lab File: VV031103.D

Acq: 19 May 2023 13:41

Instrument :

MSVOA_V

ClientSampleId :

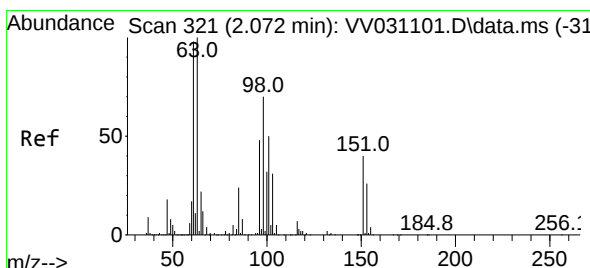
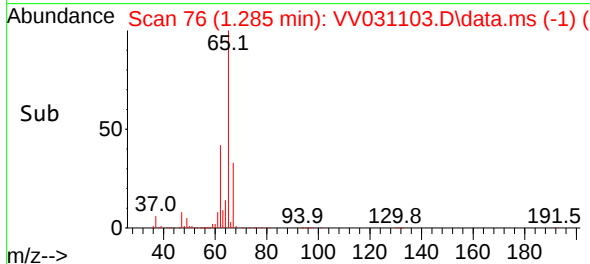
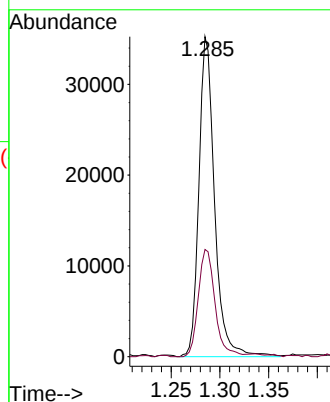
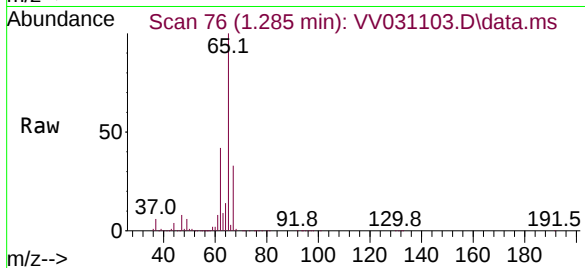
GBX92

Tgt Ion: 62 Resp: 39473

Ion Ratio Lower Upper

62 100

64 33.5 23.1 42.9



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.248 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.003 min

Lab File: VV031103.D

Acq: 19 May 2023 13:41

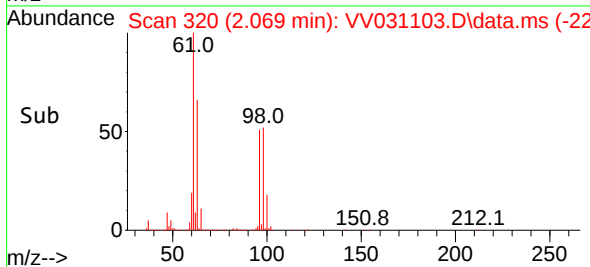
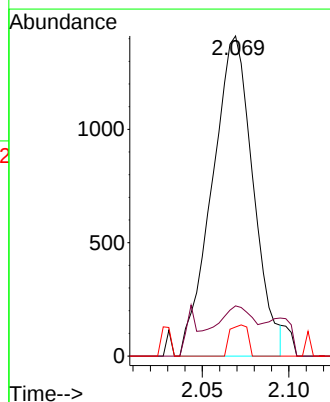
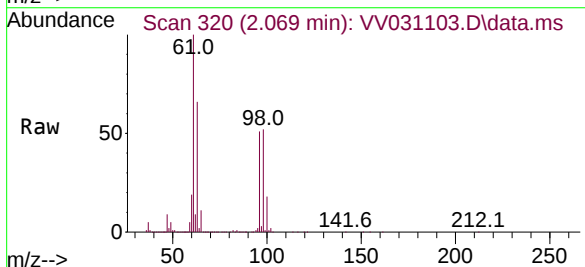
Tgt Ion: 101 Resp: 2320

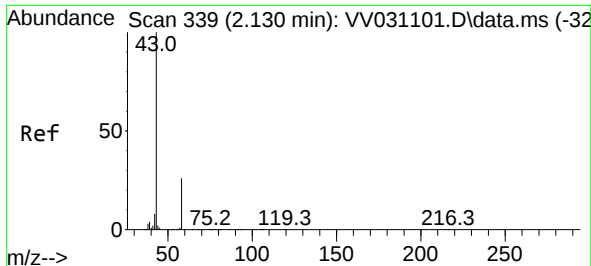
Ion Ratio Lower Upper

101 100

85 8.8 38.0 57.0#

151 4.3 61.7 92.5#





#13

Acetone

Concen: 6.521 ug/L

RT: 2.134 min Scan# 34

Delta R.T. 0.003 min

Lab File: VV031103.D

Acq: 19 May 2023 13:41

Instrument :

MSVOA_V

ClientSampleId :

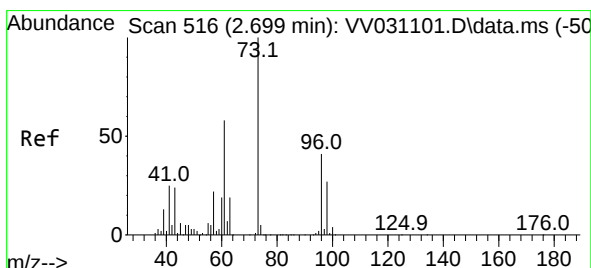
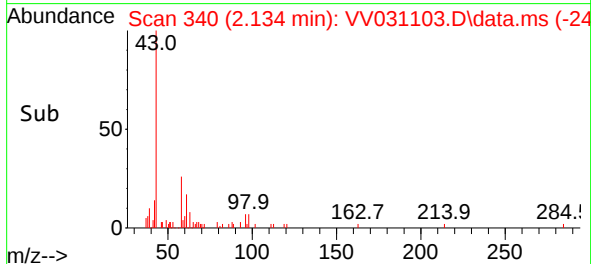
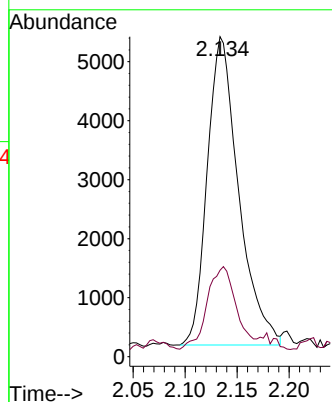
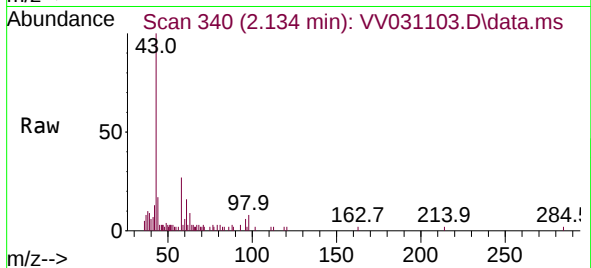
GBX92

Tgt Ion: 43 Resp: 10965

Ion Ratio Lower Upper

43 100

58 24.5 0.0 54.0



#17

trans-1,2-Dichloroethene

Concen: 35.596 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV031103.D

Acq: 19 May 2023 13:41

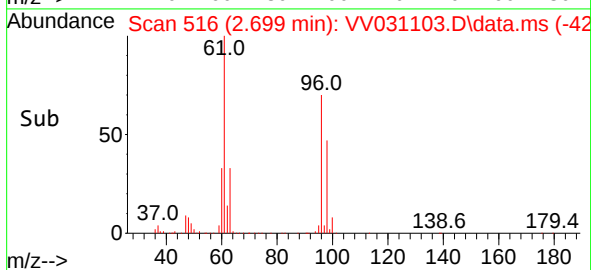
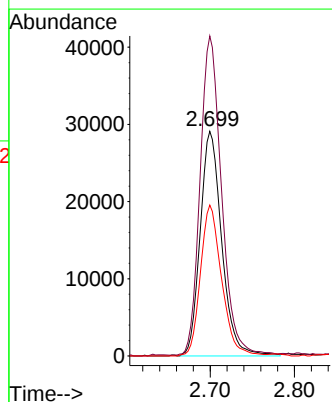
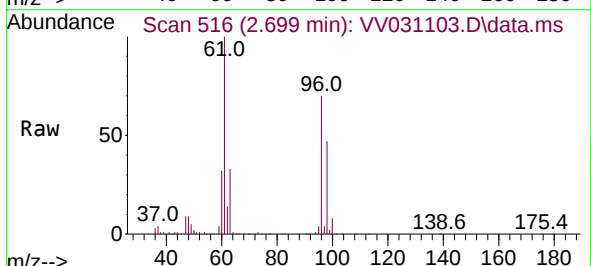
Tgt Ion: 96 Resp: 51921

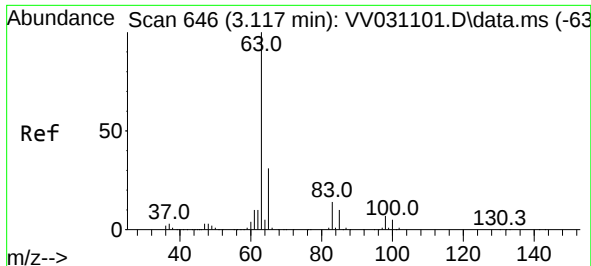
Ion Ratio Lower Upper

96 100

61 142.4 100.0 185.6

98 67.2 45.4 84.2





#19

1,1-Dichloroethane

Concen: 0.659 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031103.D

Acq: 19 May 2023 13:41

Instrument :

MSVOA_V

ClientSampleId :

GBX92

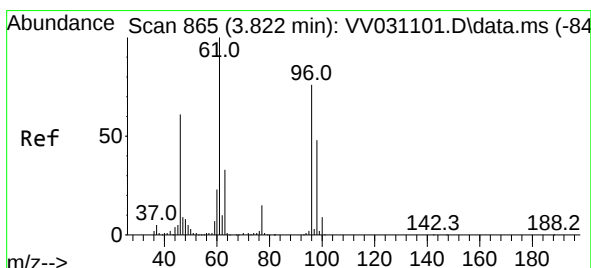
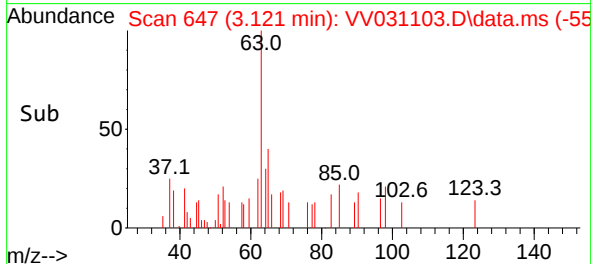
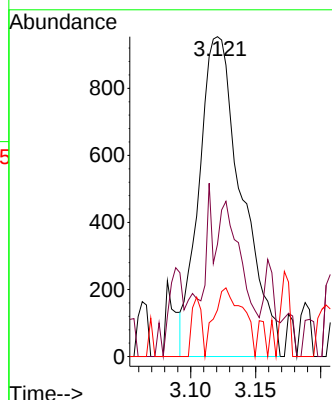
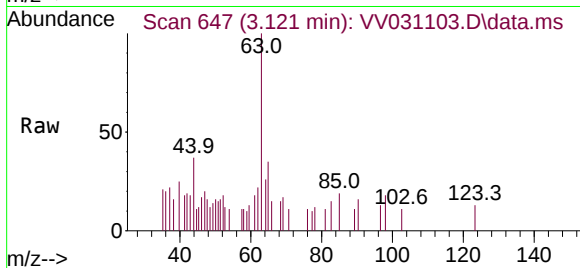
Tgt Ion: 63 Resp: 2192

Ion Ratio Lower Upper

63 100

65 35.1 21.9 40.7

83 14.6 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 1691.027 ug/L

RT: 3.818 min Scan# 864

Delta R.T. -0.003 min

Lab File: VV031103.D

Acq: 19 May 2023 13:41

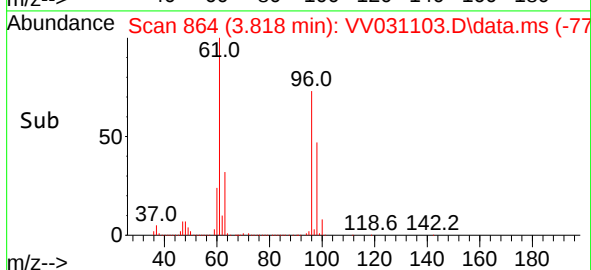
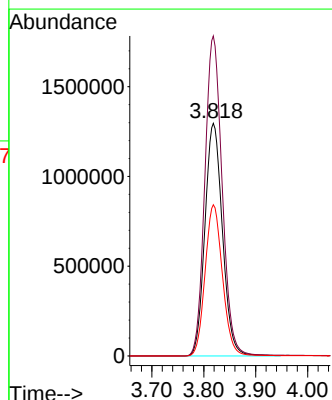
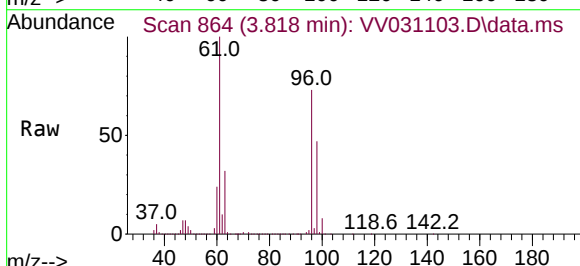
Tgt Ion: 96 Resp: 3040648

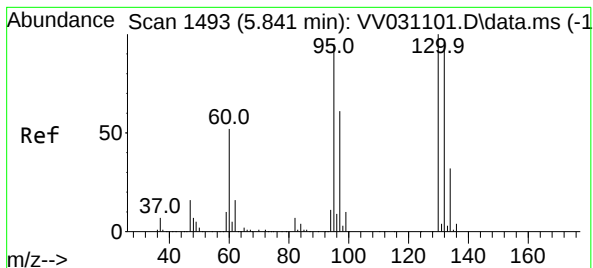
Ion Ratio Lower Upper

96 100

61 137.5 89.2 165.6

98 65.0 43.0 80.0





#34

Trichloroethene

Concen: 7837.733 ug/L

RT: 5.847 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VV031103.D

Acq: 19 May 2023 13:41

Instrument :

MSVOA_V

ClientSampleId :

GBX92

Tgt Ion: 95 Resp:13807269

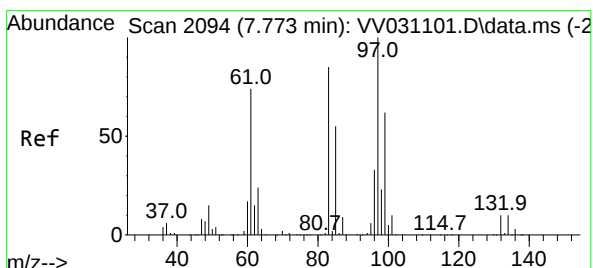
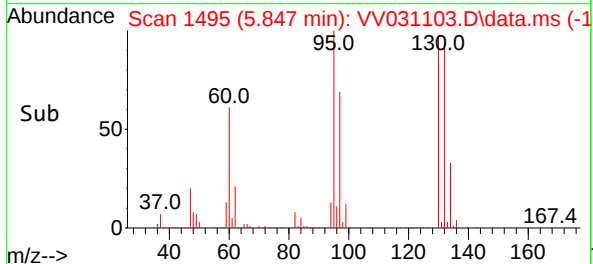
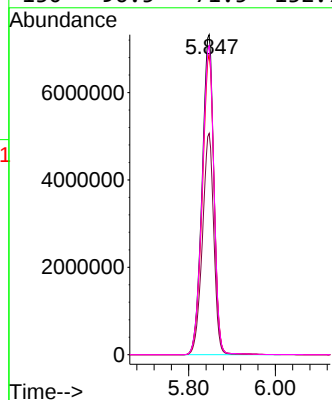
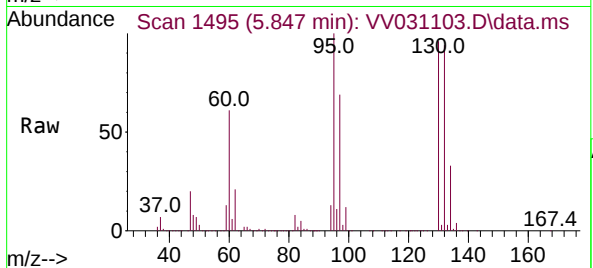
Ion Ratio Lower Upper

95 100

97 69.2 44.4 82.5

132 93.7 70.2 130.4

130 96.5 71.5 132.7



#45

1,1,2-Trichloroethane

Concen: 1.291 ug/L

RT: 7.783 min Scan# 2097

Delta R.T. 0.010 min

Lab File: VV031103.D

Acq: 19 May 2023 13:41

Tgt Ion: 97 Resp: 2549

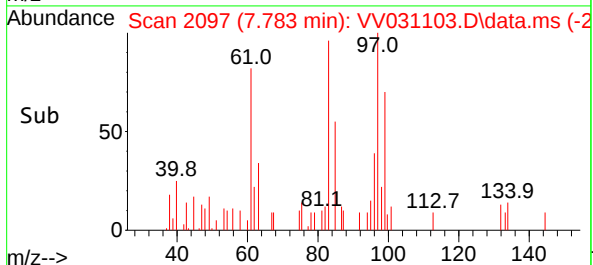
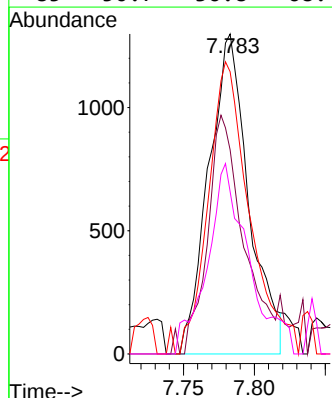
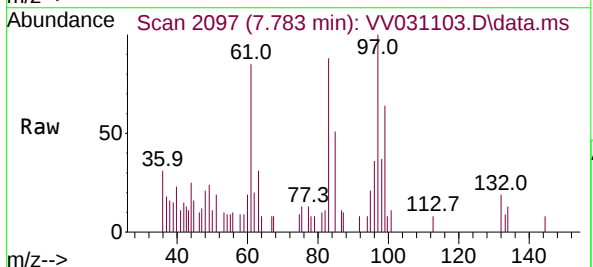
Ion Ratio Lower Upper

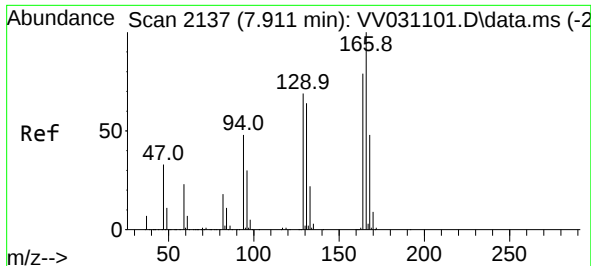
97 100

99 71.6 43.2 80.2

83 88.2 60.5 112.3

85 50.7 36.8 68.4

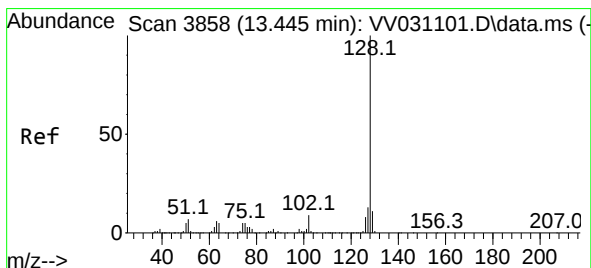
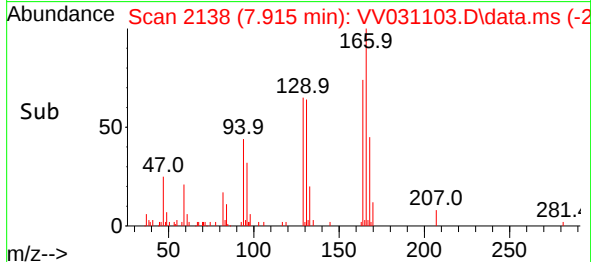
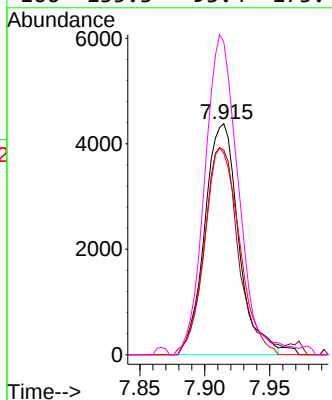
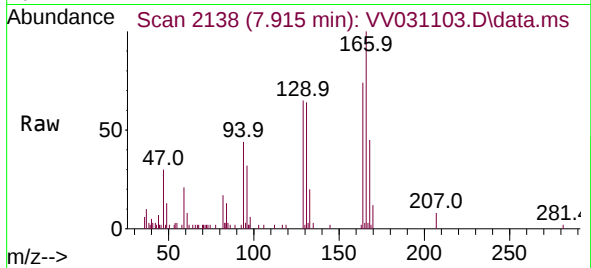




#46
Tetrachloroethene
Concen: 5.246 ug/L
RT: 7.915 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VV031103.D
Acq: 19 May 2023 13:41

Instrument :
MSVOA_V
ClientSampleId :
GBX92

Tgt Ion:	164	Resp:	7935
Ion	Ratio	Lower	Upper
164	100		
129	88.5	65.5	121.7
131	87.1	62.1	115.3
166	135.3	93.4	173.4



#71
Naphthalene
Concen: 0.912 ug/L
RT: 13.451 min Scan# 3860
Delta R.T. 0.006 min
Lab File: VV031103.D
Acq: 19 May 2023 13:41

Tgt Ion:	128	Resp:	5968
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	16.0
129	9.6	8.8	13.2

