

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101819\
 Data File : VV013234.D
 Acq On : 19 Oct 2019 05:17
 Operator : SY/MD
 Sample : K5457-18
 Misc : 25.00ML/MSVOA_V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0K23

Quant Time: Nov 01 04:22:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 01 02:14:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	422511	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	461185	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	230439	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	213392	4.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.20%
7) Chloroethane-d5	1.58	69	175259	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.20%
11) 1,1-Dichloroethene-d2	2.13	63	272160	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.00%
20) 2-Butanone-d5	3.96	46	511973	57.35	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.70%
24) Chloroform-d	4.40	84	414934	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.08	65	208222	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
32) Benzene-d6	5.10	84	844911	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.12	67	264100	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.36	98	691942	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	7.66	79	82003	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.14	63	329737	43.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.64%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	180001	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	258941	5.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

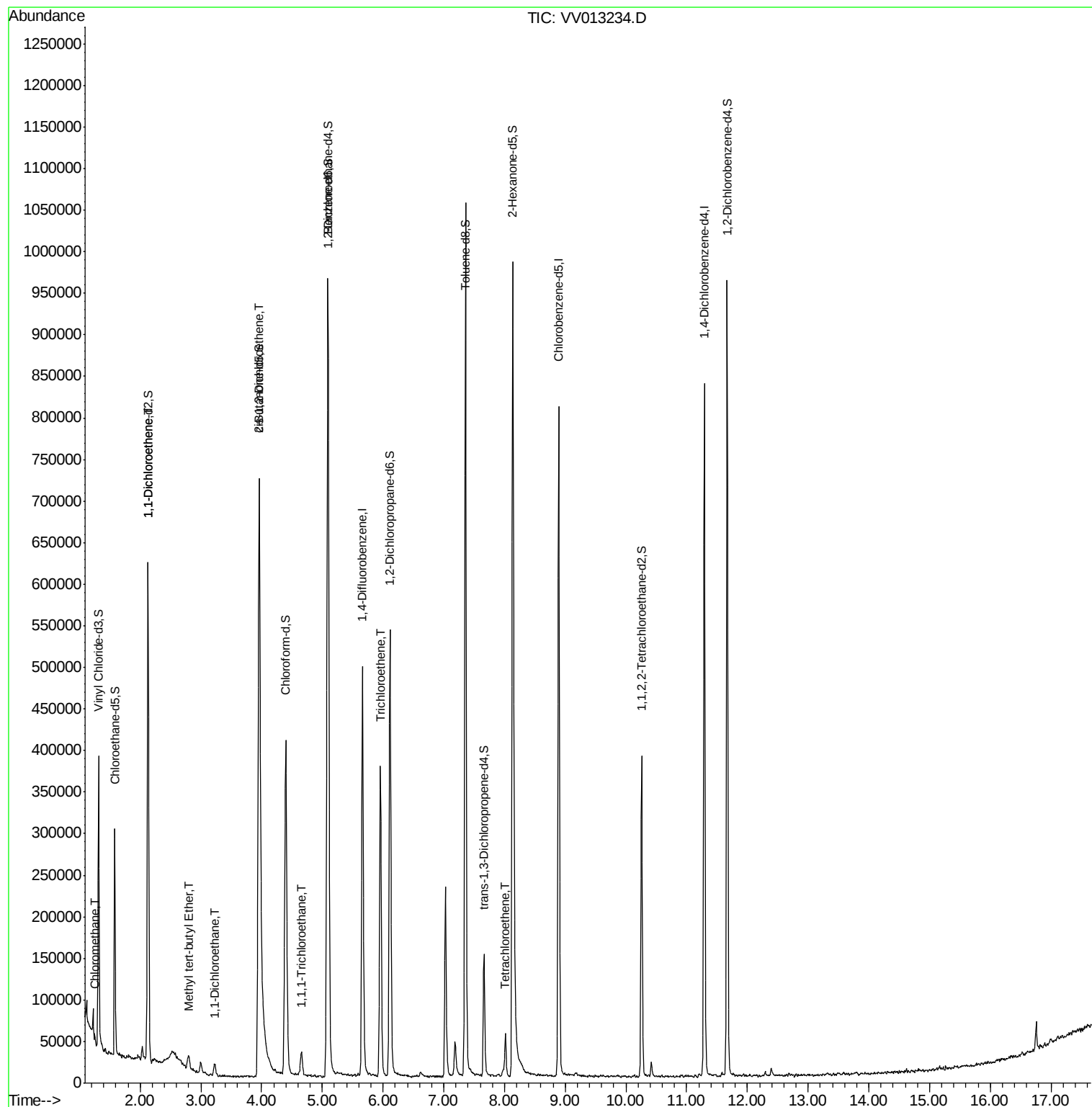
					Qvalue
3) Chloromethane	1.25	50	9586	0.189 ug/L	95
12) 1,1-Dichloroethene	2.14	96	53532	1.578 ug/L #	22
17) Methyl tert-butyl Ether	2.81	73	9614	0.106 ug/L #	92
19) 1,1-Dichloroethane	3.23	63	13771	0.171 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	319607	6.988 ug/L #	100
29) 1,1,1-Trichloroethane	4.66	97	21682	0.304 ug/L	97
34) Trichloroethene	5.96	95	128676	2.671 ug/L	96
47) Tetrachloroethene	8.02	164	12311	0.292 ug/L	95

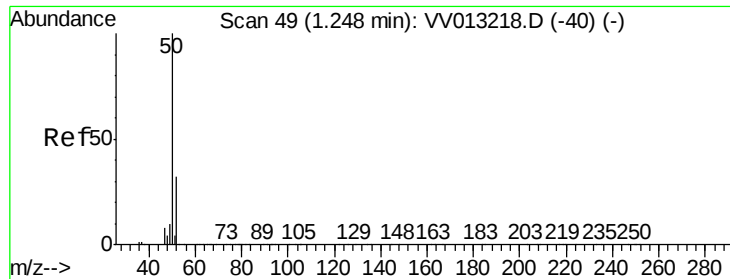
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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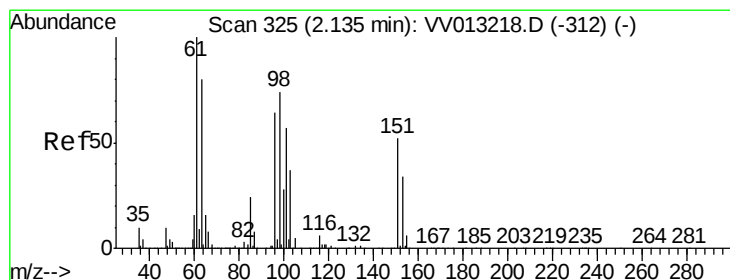
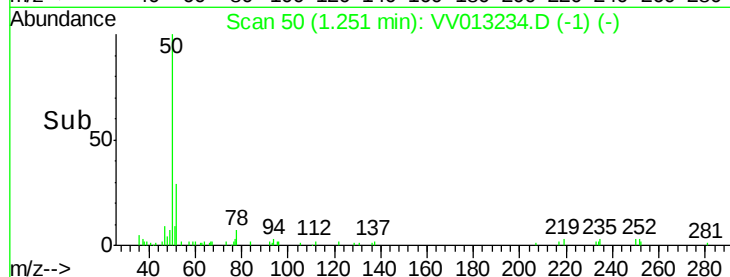
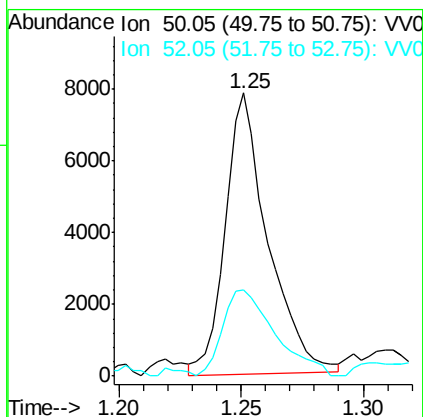
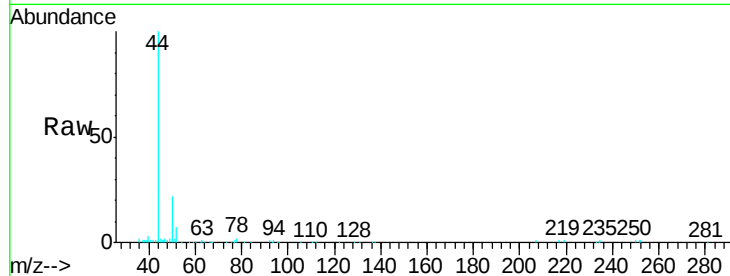




#3
Chloromethane
Concen: 0.189 ug/L
RT: 1.25 min Scan# 50
Delta R.T. 0.00 min
Lab File: VV013234.D
Acq: 19 Oct 2019 05:17

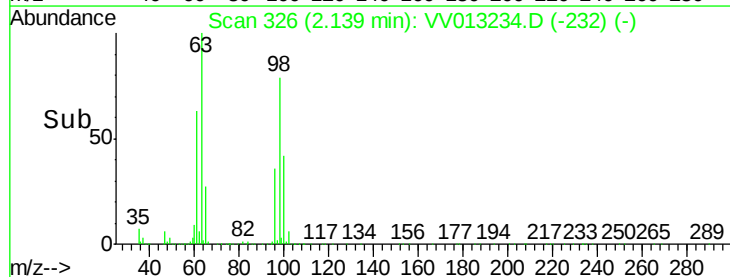
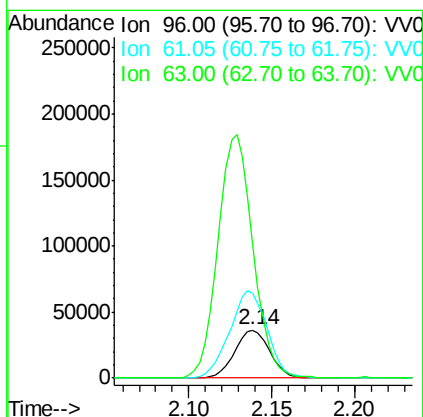
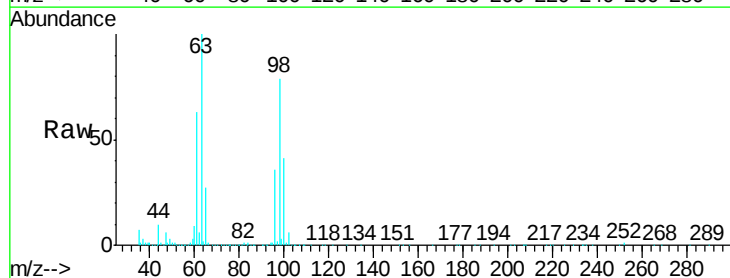
Instrument :
MSVOA_V
ClientSampleId :
C0K23

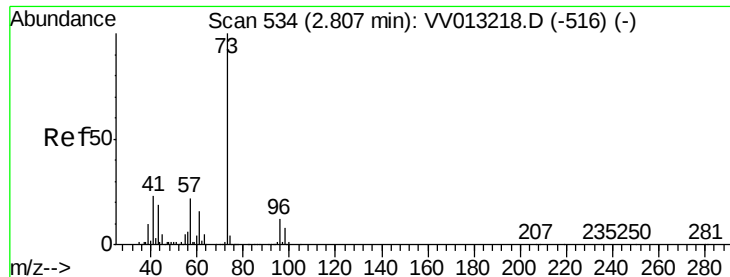
Tgt Ion: 50 Resp: 9586
Ion Ratio Lower Upper
50 100
52 30.4 23.0 42.8



#12
1,1-Dichloroethene
Concen: 1.578 ug/L
RT: 2.14 min Scan# 326
Delta R.T. 0.00 min
Lab File: VV013234.D
Acq: 19 Oct 2019 05:17

Tgt Ion: 96 Resp: 53532
Ion Ratio Lower Upper
96 100
61 176.6 109.8 204.0
63 280.5 72.6 134.8#





#17

Methyl tert-butyl Ether

Concen: 0.106 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV013234.D

Acq: 19 Oct 2019 05:17

Instrument :

MSVOA_V

ClientSampled :

C0K23

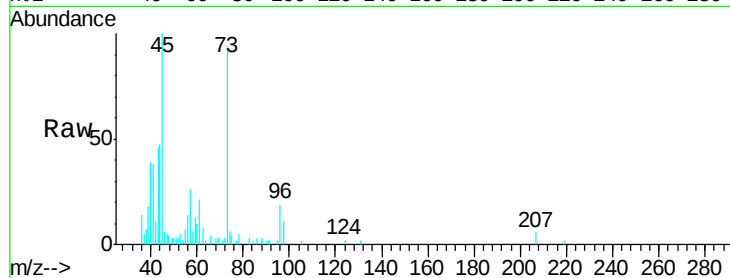
Tgt Ion: 73 Resp: 9614

Ion Ratio Lower Upper

73 100

43 18.1 14.6 22.0

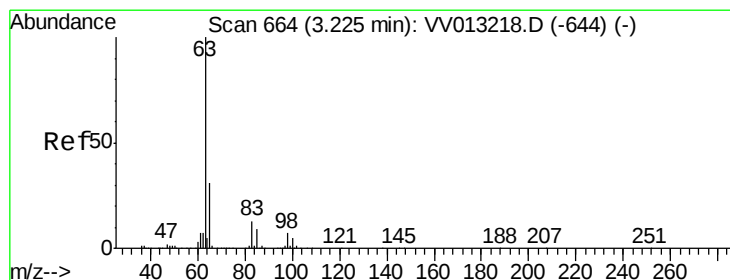
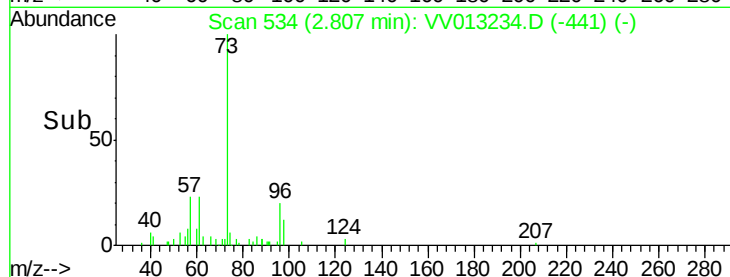
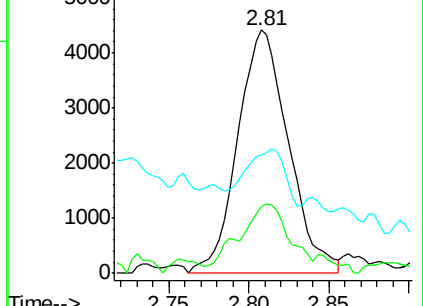
57 28.7 17.8 26.8#



Abundance Ion 73.10 (72.80 to 73.80): VV013218.D (-516) (-)

Ion 43.05 (42.75 to 43.75): VV013218.D (-516) (-)

Ion 57.10 (56.80 to 57.80): VV013218.D (-516) (-)



#19

1,1-Dichloroethane

Concen: 0.171 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.01 min

Lab File: VV013234.D

Acq: 19 Oct 2019 05:17

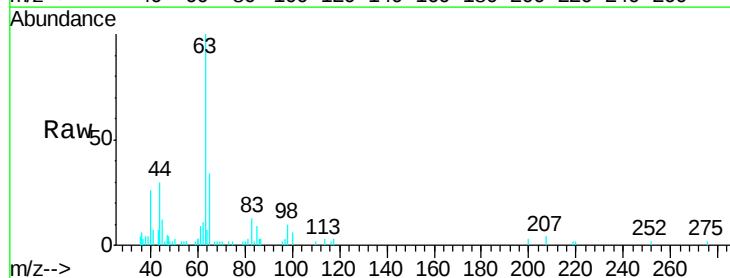
Tgt Ion: 63 Resp: 13771

Ion Ratio Lower Upper

63 100

65 33.7 22.5 41.7

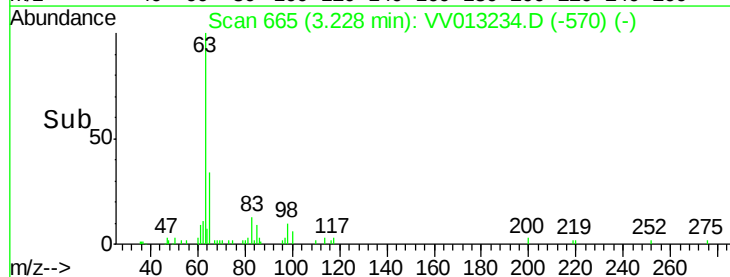
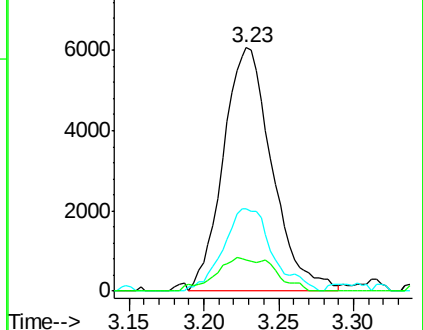
83 12.8 9.5 17.7

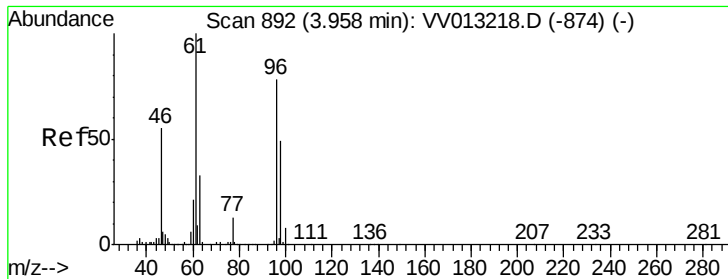


Abundance Ion 63.10 (62.80 to 63.80): VV013218.D (-644) (-)

Ion 65.10 (64.80 to 65.80): VV013218.D (-644) (-)

Ion 83.05 (82.75 to 83.75): VV013218.D (-644) (-)



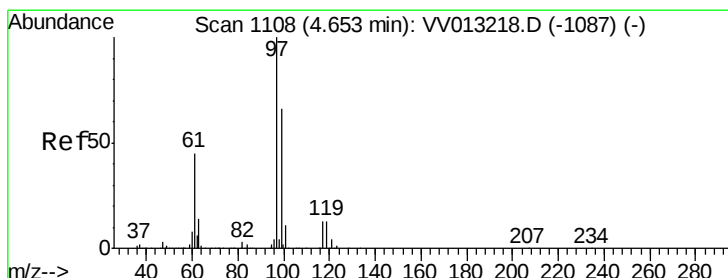
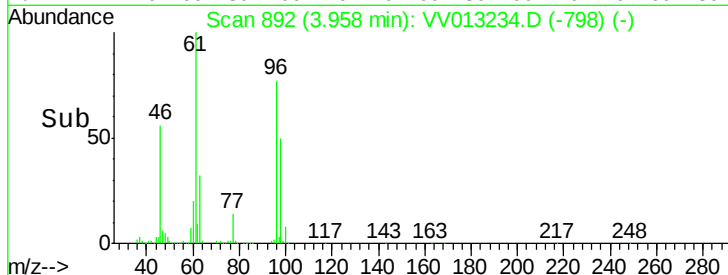
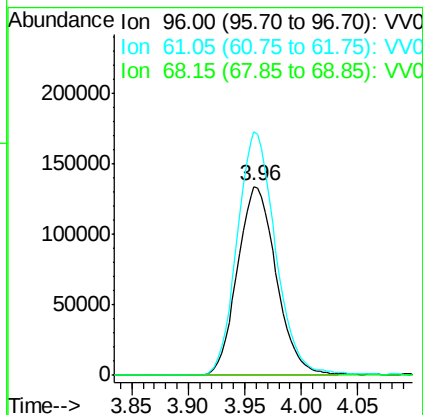
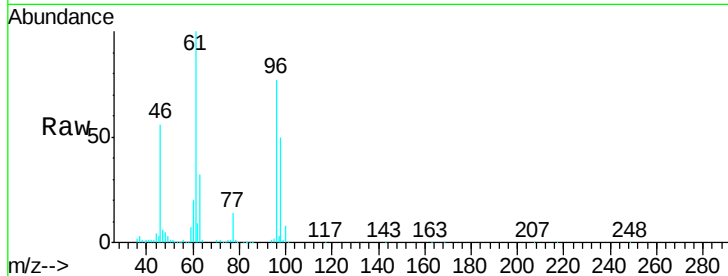


#22

cis-1,2-Dichloroethene
 Concen: 6.988 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013234.D
 Acq: 19 Oct 2019 05:17

Instrument :
 MSVOA_V
 ClientSampleId :
 C0K23

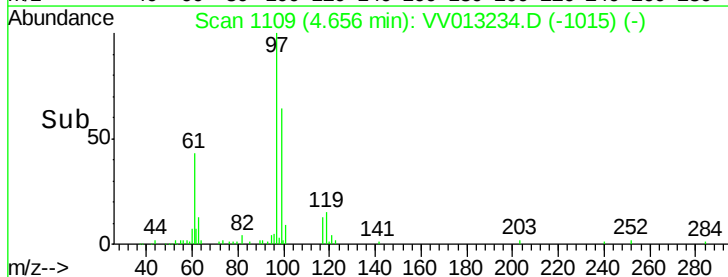
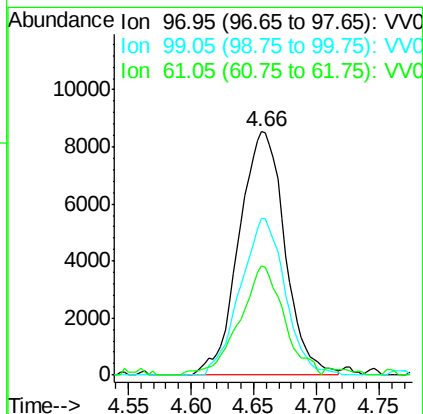
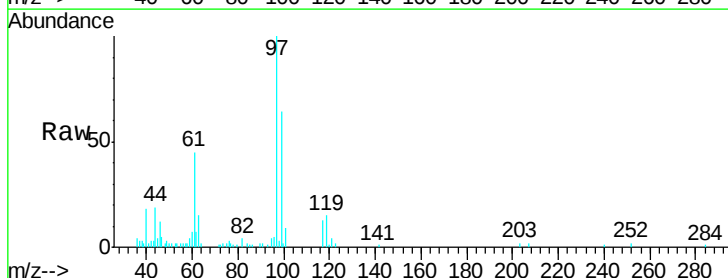
Tgt Ion: 96 Resp: 319607
 Ion Ratio Lower Upper
 96 100
 61 129.1 90.6 168.2
 68 0.0 0.1 0.1#

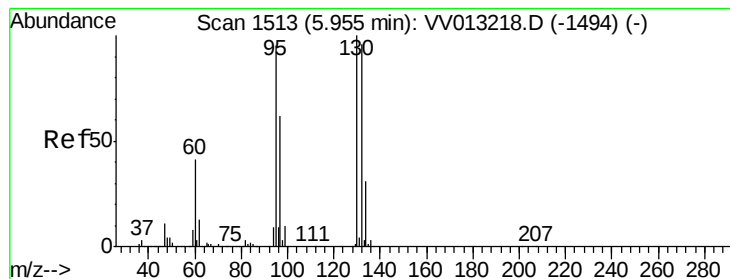


#29

1,1,1-Trichloroethane
 Concen: 0.304 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV013234.D
 Acq: 19 Oct 2019 05:17

Tgt Ion: 97 Resp: 21682
 Ion Ratio Lower Upper
 97 100
 99 62.7 51.2 76.8
 61 43.3 37.0 55.4





#34

Trichloroethene

Concen: 2.671 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013234.D

Acq: 19 Oct 2019 05:17

Instrument :

MSVOA_V

ClientSampleId :

C0K23

Tgt Ion: 95 Resp: 128676

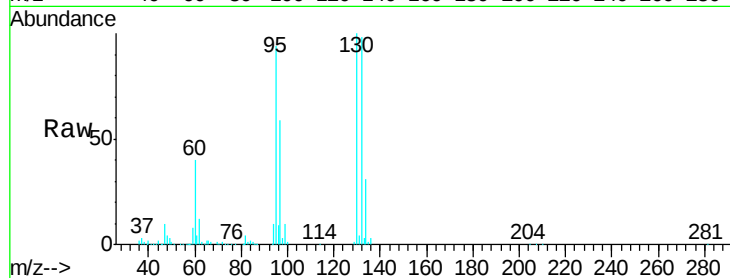
Ion Ratio Lower Upper

95 100

97 63.0 44.7 82.9

132 104.5 68.9 127.9

130 106.6 72.7 134.9

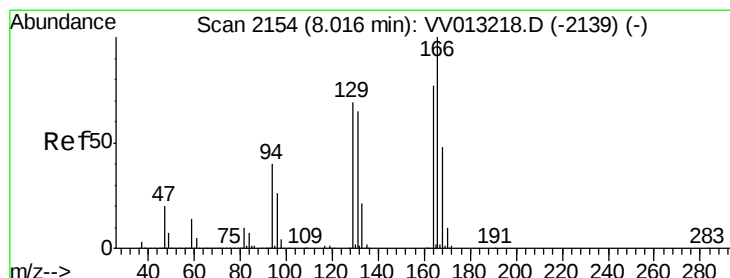
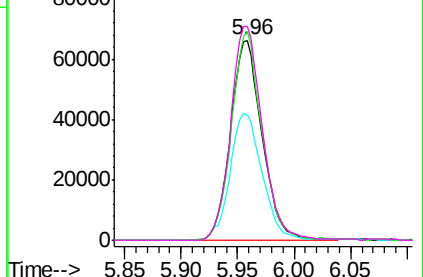
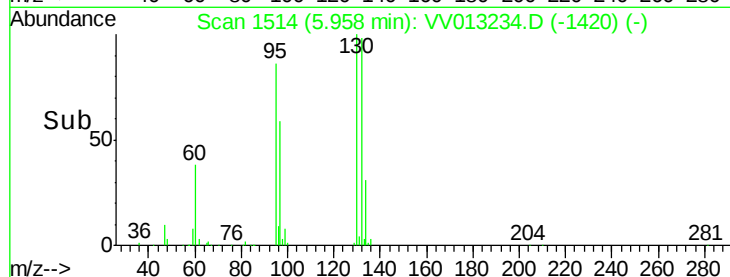


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#47

Tetrachloroethene

Concen: 0.292 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013234.D

Acq: 19 Oct 2019 05:17

Tgt Ion: 164 Resp: 12311

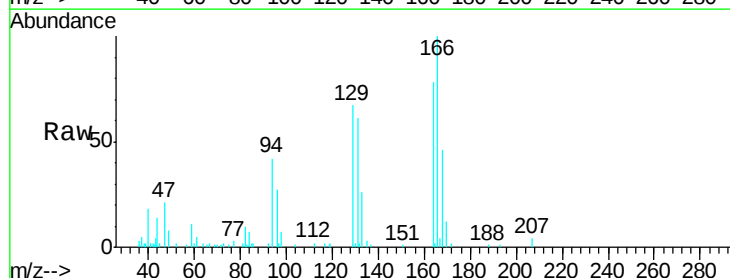
Ion Ratio Lower Upper

164 100

129 85.0 62.2 115.4

131 77.5 59.9 111.3

166 127.8 91.1 169.1



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

