

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060320\
 Data File : VV016454.D
 Acq On : 03 Jun 2020 14:09
 Operator : SY/MD
 Sample : L2843-09
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 04 01:19:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 04 01:16:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	380750	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	358357	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	166588	50.00	ug/L	0.00

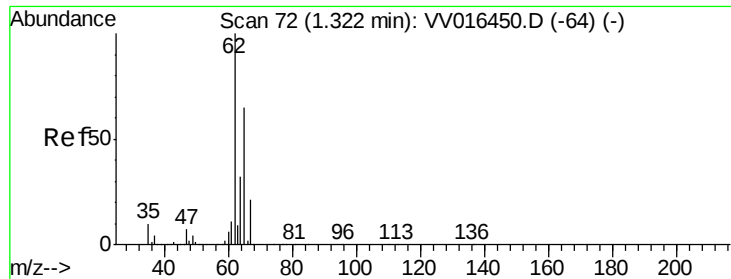
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	127881	47.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.84%
7) Chloroethane-d5	1.57	69	82979	42.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.24%
11) 1,1-Dichloroethene-d2	2.12	63	172994	36.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.38%
21) 2-Butanone-d5	3.90	46	193932	112.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.46%
24) Chloroform-d	4.38	84	241203	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.32%
26) 1,2-Dichloroethane-d4	5.06	65	164245	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.92%
32) Benzene-d6	5.08	84	484324	50.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.90%
36) 1,2-Dichloropropane-d6	6.10	67	153312	51.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.52%
41) Toluene-d8	7.34	98	427791	49.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.14%
43) trans-1,3-Dichloropropene-	7.64	79	66410	45.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.12%
47) 2-Hexanone-d5	8.11	63	141922	110.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.79%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	198750	48.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.98%
64) 1,2-Dichlorobenzene-d4	11.65	152	168365	53.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.56%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	269960	92.309	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1760	0.801	ug/L #	21
12) 1,1-Dichloroethene	2.13	96	10146	4.800	ug/L #	1
13) Acetone	2.18	43	3994	2.478	ug/L	81
17) trans-1,2-Dichloroethene	2.78	96	19474	7.301	ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	3112972	1081.489	ug/L	100
27) 1,2-Dichloroethane	5.07	62	3394	0.808	ug/L	99
34) Trichloroethene	5.94	95	4794514	1733.731	ug/L	98
42) Toluene	7.41	91	19391	1.736	ug/L	97
45) 1,1,2-Trichloroethane	7.87	97	1798	0.677	ug/L	92
46) Tetrachloroethene	8.00	164	1920	0.900	ug/L	88
51) Chlorobenzene	8.90	112	6861	0.935	ug/L	98
59) 1,2,3-Trichloropropane	11.27	75	20825	6.075	ug/L	96

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



#5

Vinyl chloride

Concen: 92.309 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016454.D

Acq: 03 Jun 2020 14:09

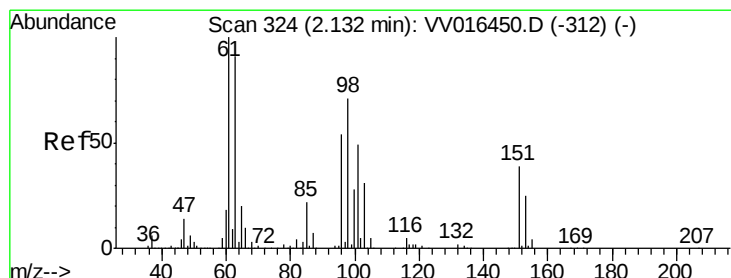
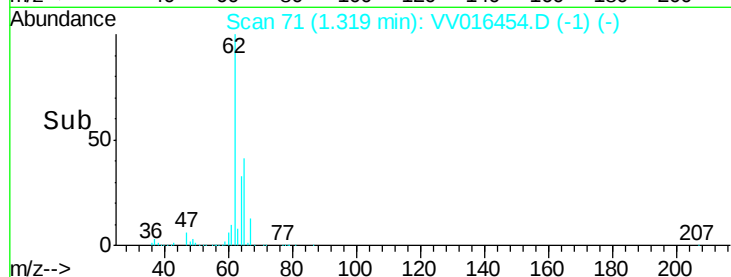
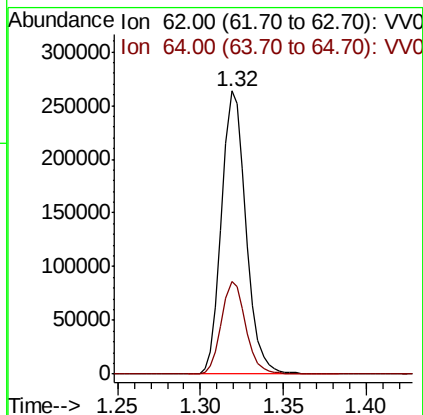
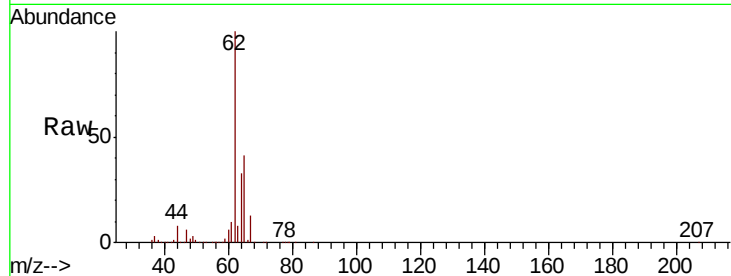
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 269960

Ion Ratio Lower Upper

62 100

64 32.8 22.7 42.1



#10

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

Concen: 0.801 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV016454.D

Acq: 03 Jun 2020 14:09

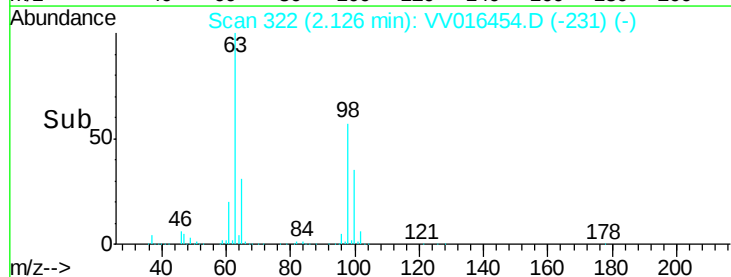
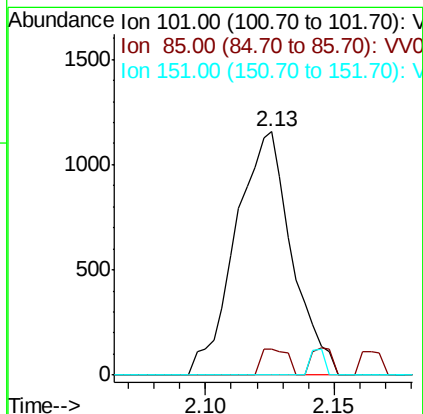
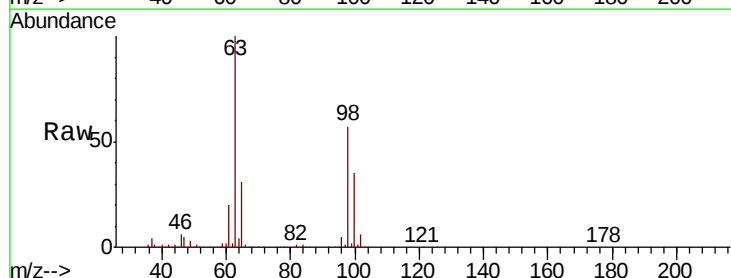
Tgt Ion: 101 Resp: 1760

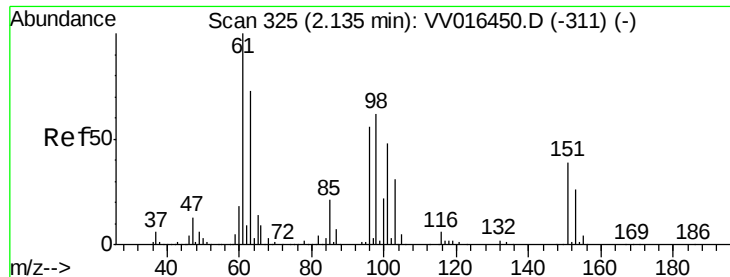
Ion Ratio Lower Upper

101 100

85 5.1 35.6 53.4#

151 0.0 61.8 92.8#





#12

1,1-Dichloroethene

Concen: 4.800 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016454.D

Acq: 03 Jun 2020 14:09

Instrument :
MSVOA_V
ClientSampleId :

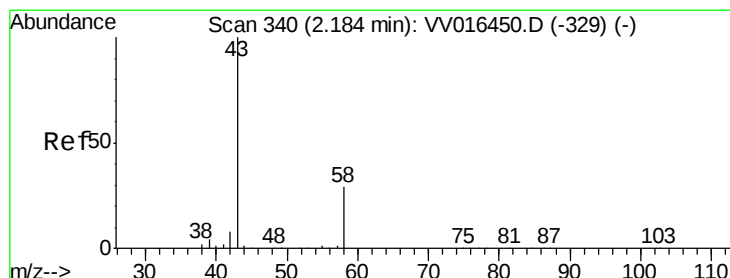
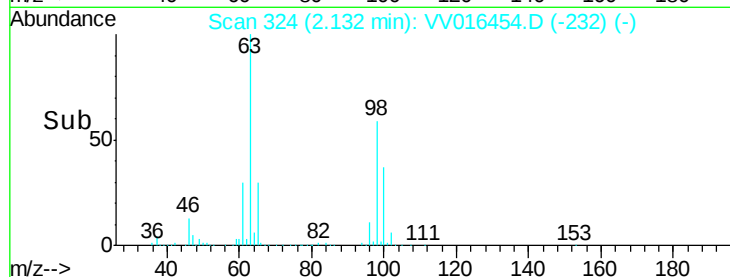
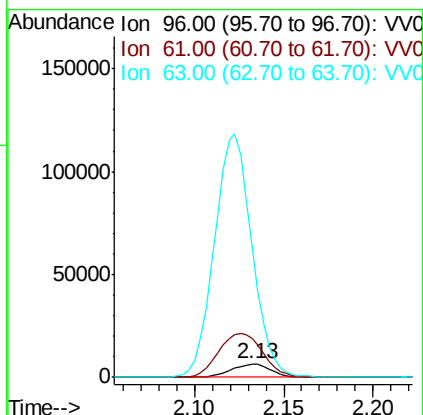
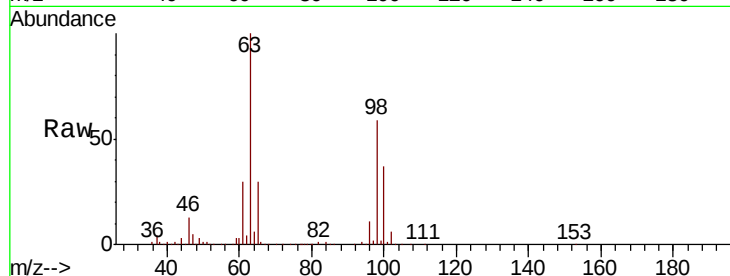
Tot Ion: 96 Resp: 10146

Ion Ratio Lower Upper

96 100

61 283.7 125.5 233.1#

63 946.0 104.0 193.1#



#13

Acetone

Concen: 2.478 ug/L

RT: 2.18 min Scan# 338

Delta R.T. -0.01 min

Lab File: VV016454.D

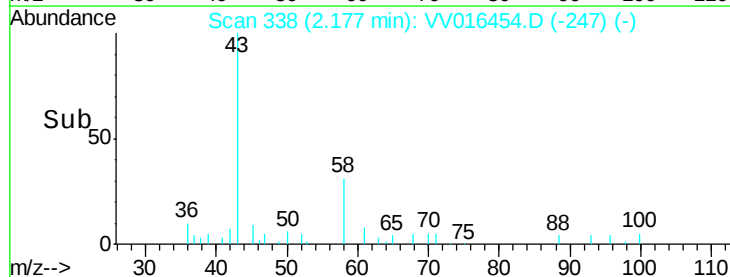
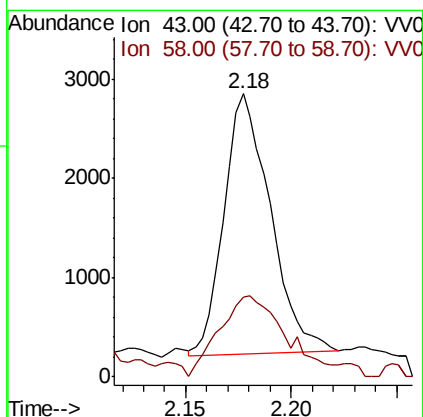
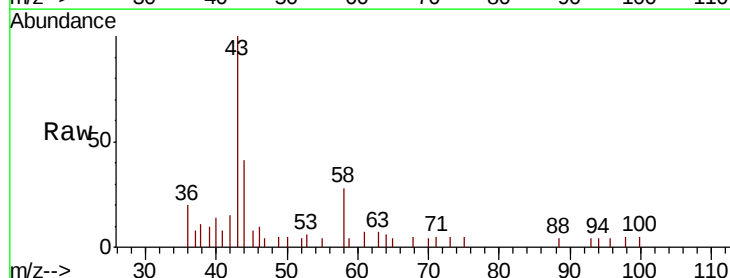
Acq: 03 Jun 2020 14:09

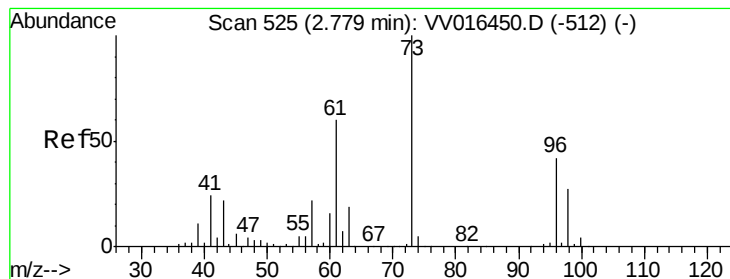
Tgt Ion: 43 Resp: 3994

Ion Ratio Lower Upper

43 100

58 38.4 0.0 57.2





#17

trans-1,2-Dichloroethene

Concen: 7.301 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV016454.D

Acq: 03 Jun 2020 14:09

Instrument :

MSVOA_V

ClientSampleId :

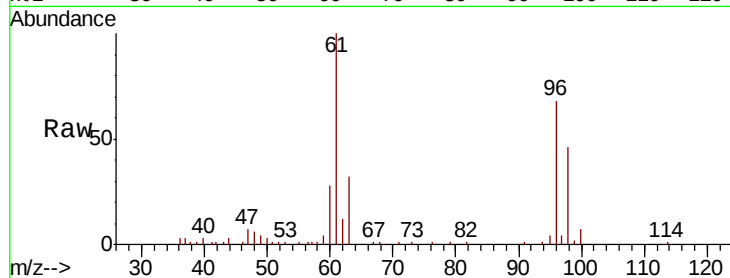
Tot Ion: 96 Resp: 19474

Ion Ratio Lower Upper

96 100

61 148.1 101.0 187.6

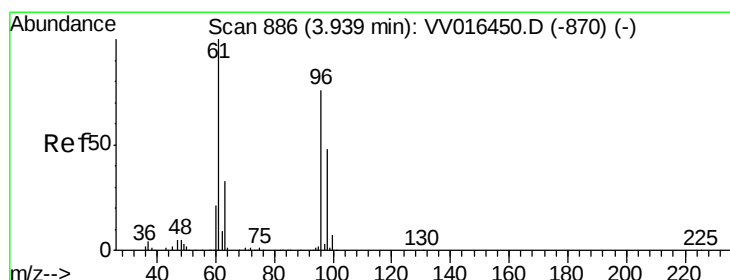
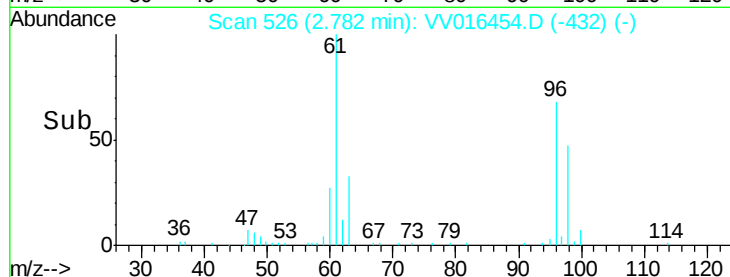
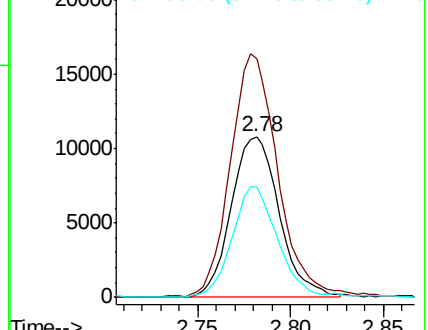
98 68.5 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 1081.489 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV016454.D

Acq: 03 Jun 2020 14:09

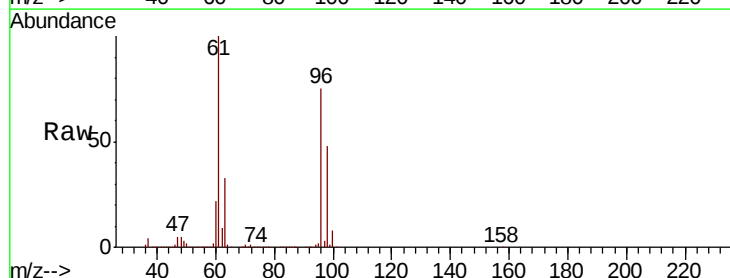
Tgt Ion: 96 Resp: 3112972

Ion Ratio Lower Upper

96 100

61 132.9 93.4 173.4

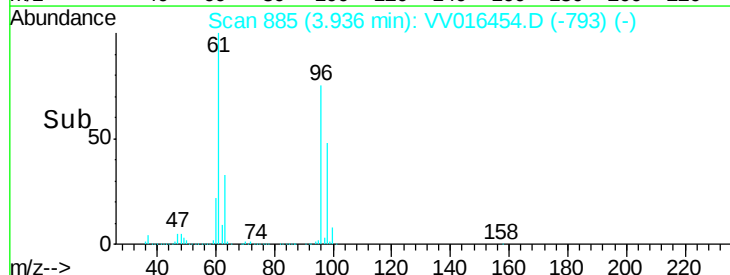
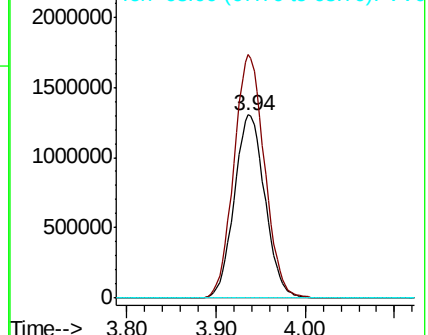
68 0.0 0.0 0.0

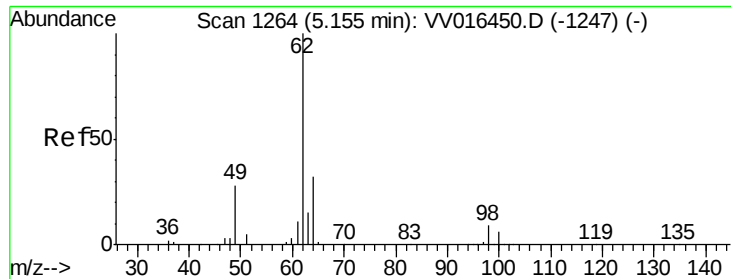


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

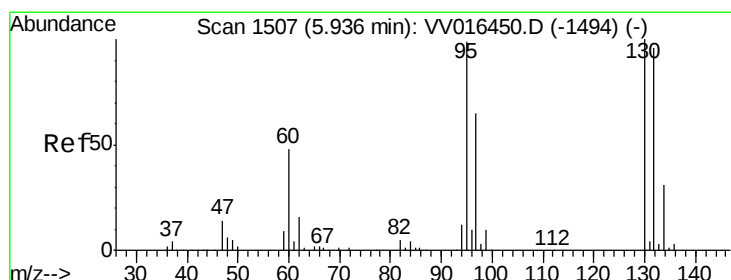
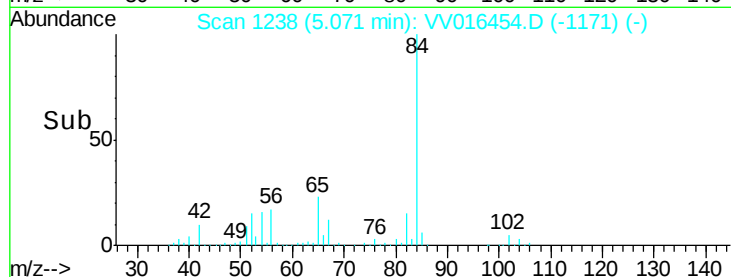
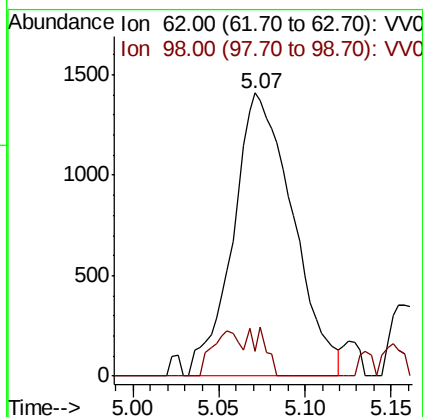
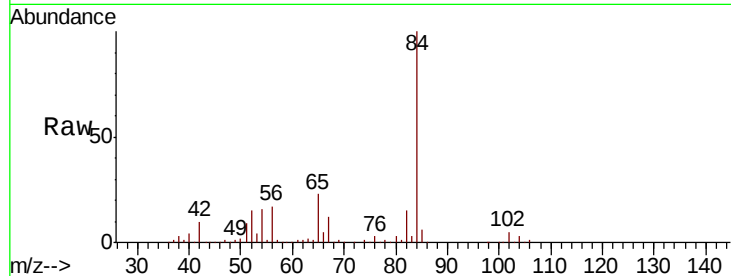




#27
 1,2-Dichloroethane
 Concen: 0.808 ug/L
 RT: 5.07 min Scan# 1238
 Delta R.T. -0.08 min
 Lab File: VV016454.D
 Acq: 03 Jun 2020 14:09

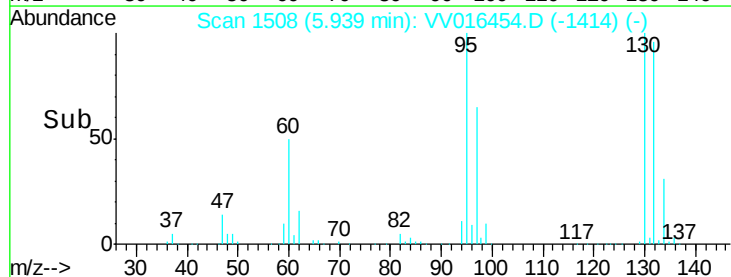
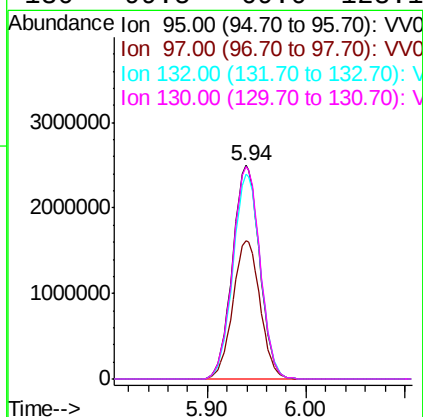
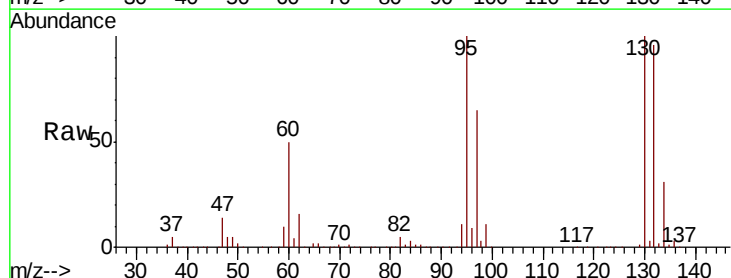
Instrument :
 MSVOA_V
 ClientSampleId :

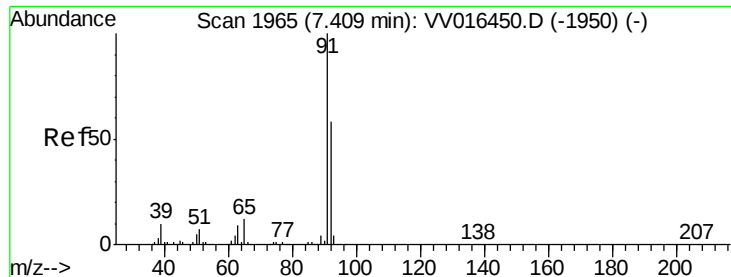
Tot Ion: 62 Resp: 3394
 Ion Ratio Lower Upper
 62 100
 98 8.8 6.9 10.3



#34
 Trichloroethene
 Concen: 1733.731 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV016454.D
 Acq: 03 Jun 2020 14:09

Tgt Ion: 95 Resp: 4794514
 Ion Ratio Lower Upper
 95 100
 97 65.0 42.8 79.6
 132 95.6 65.6 121.8
 130 99.5 69.0 128.1





#42

Toluene

Concen: 1.736 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV016454.D

Acq: 03 Jun 2020 14:09

Instrument :

MSVOA_V

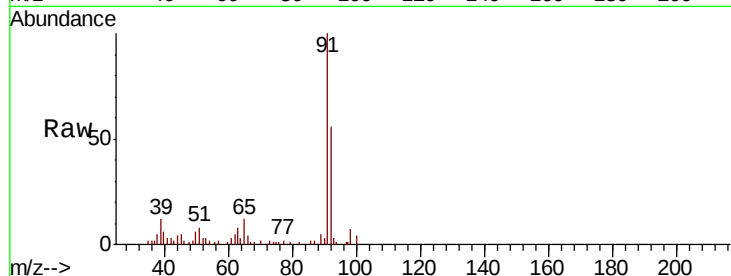
ClientSampled :

Tot Ion: 91 Resp: 19391

Ion Ratio Lower Upper

91 100

92 56.1 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV016450.D (-1950) (-)

Ion 92.00 (91.70 to 92.70): VV016450.D (-1950) (-)

7.41

12000

10000

8000

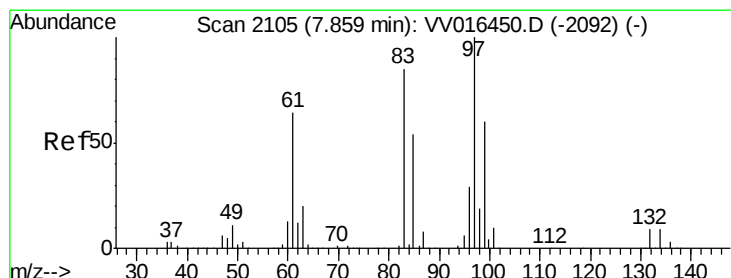
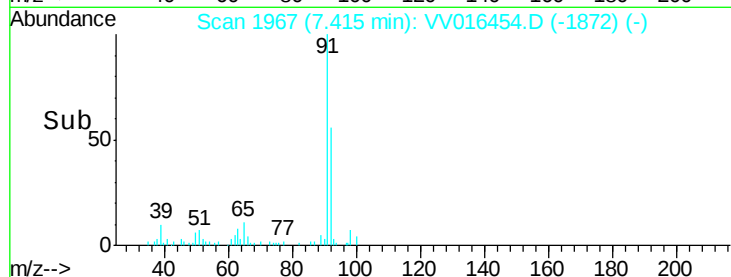
6000

4000

2000

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.677 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VV016454.D

Acq: 03 Jun 2020 14:09

Tgt Ion: 97 Resp: 1798

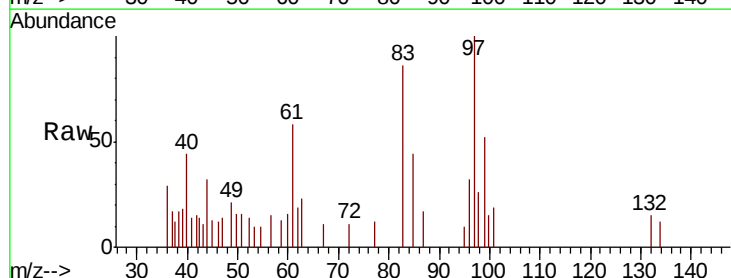
Ion Ratio Lower Upper

97 100

99 52.5 42.9 79.7

83 86.1 59.3 110.1

85 44.2 37.5 69.7



Abundance Ion 97.00 (96.70 to 97.70): VV016450.D (-2092) (-)

Ion 99.00 (98.70 to 99.70): VV016450.D (-2092) (-)

Ion 83.00 (82.70 to 83.70): VV016450.D (-2092) (-)

Ion 85.00 (84.70 to 85.70): VV016450.D (-2092) (-)

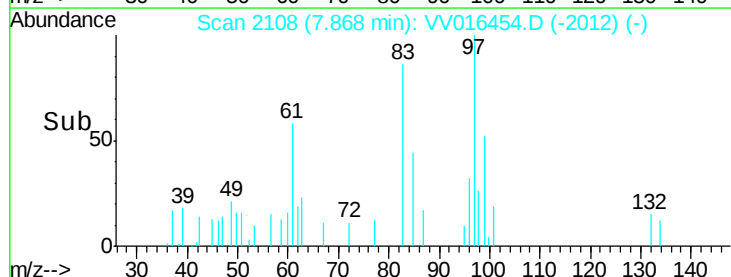
1500

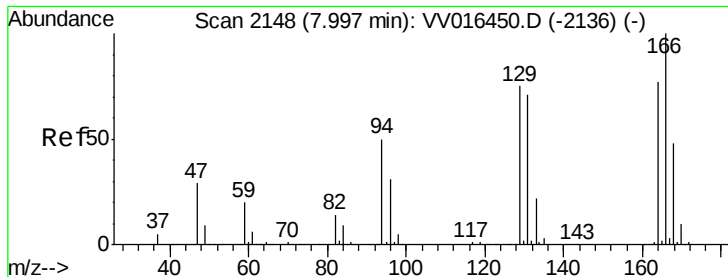
1000

500

0

Time-->





#46

Tetrachloroethene

Concen: 0.900 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. 0.01 min

Lab File: VV016454.D

Acq: 03 Jun 2020 14:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 1920

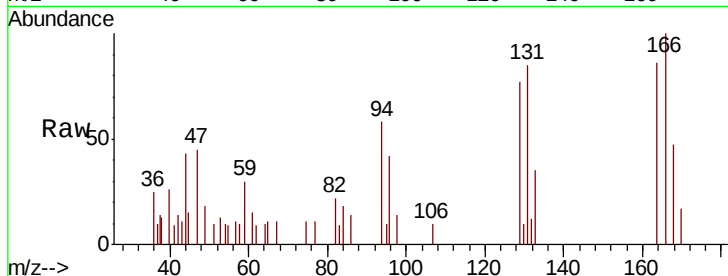
Ion Ratio Lower Upper

164 100

129 89.4 67.7 125.7

131 112.0 63.8 118.6

166 116.0 88.7 164.7

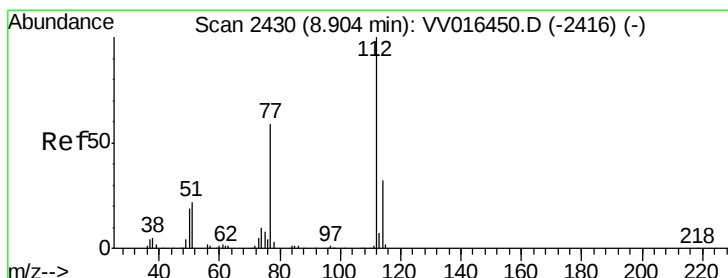
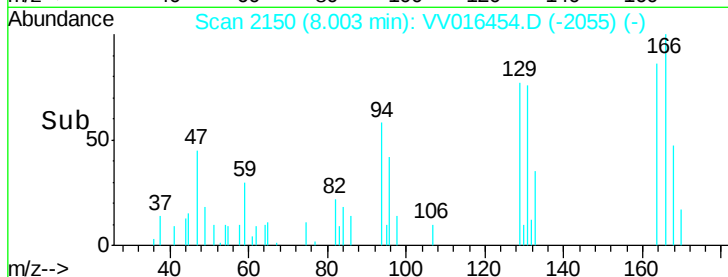
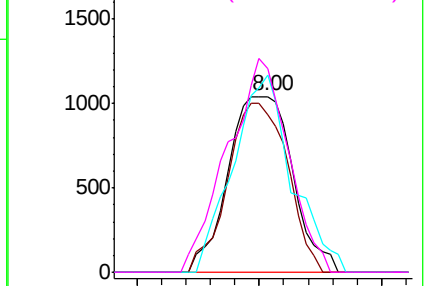


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#51

Chlorobenzene

Concen: 0.935 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV016454.D

Acq: 03 Jun 2020 14:09

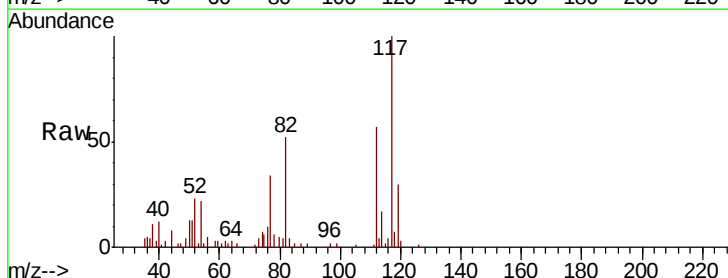
Tgt Ion:112 Resp: 6861

Ion Ratio Lower Upper

112 100

114 29.3 22.7 42.1

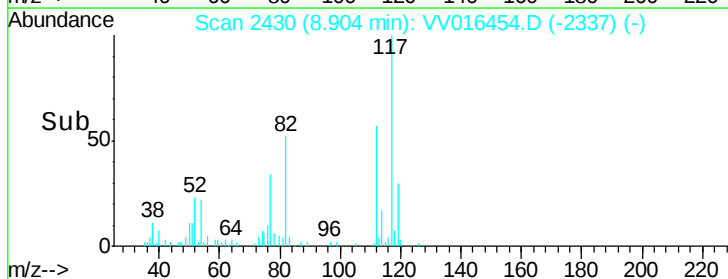
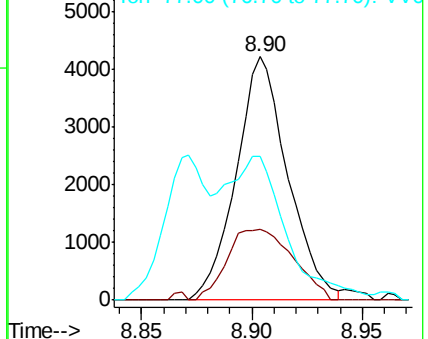
77 59.1 47.4 71.2

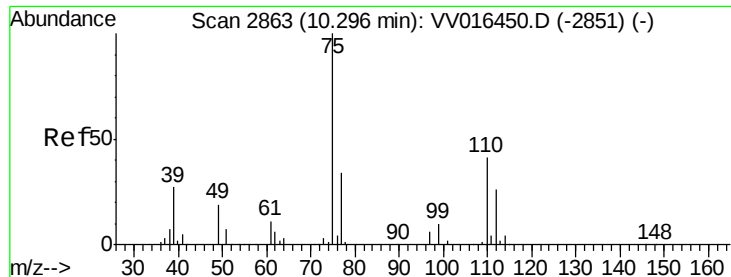


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#59

1,2,3-Trichloropropane

Concen: 6.075 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV016454.D

Acq: 03 Jun 2020 14:09

Instrument :

MSVOA_V

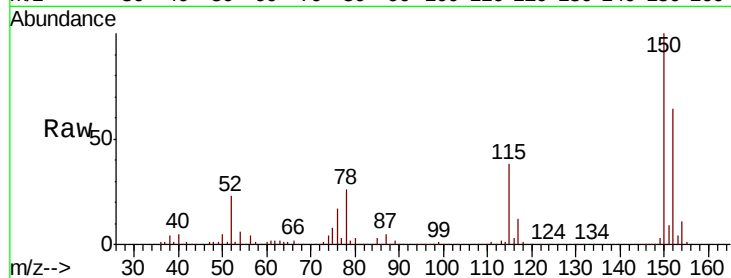
ClientSampleId :

Tot Ion: 75 Resp: 20825

Ion Ratio Lower Upper

75 100

77 35.7 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

