

Data File : VV013665.D
Acq On : 18 Nov 2019 18:35
Operator : SY/MD
Sample : K5910-10
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQJ3

Quant Time: Nov 19 04:30:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 19 04:25:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	317045	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	312907	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	143246	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	98119	5.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.20%
7) Chloroethane-d5	1.58	69	92709	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.00%
11) 1,1-Dichloroethene-d2	2.13	63	135863	3.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.40%
20) 2-Butanone-d5	3.93	46	244414	53.97	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.94%
24) Chloroform-d	4.40	84	217039	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.08	65	111770	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.40%
32) Benzene-d6	5.10	84	424195	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.11	67	133370	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.36	98	363369	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.66	79	45340	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.13	63	169332	45.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.22%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	90779	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	151465	5.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.80%

Target Compounds

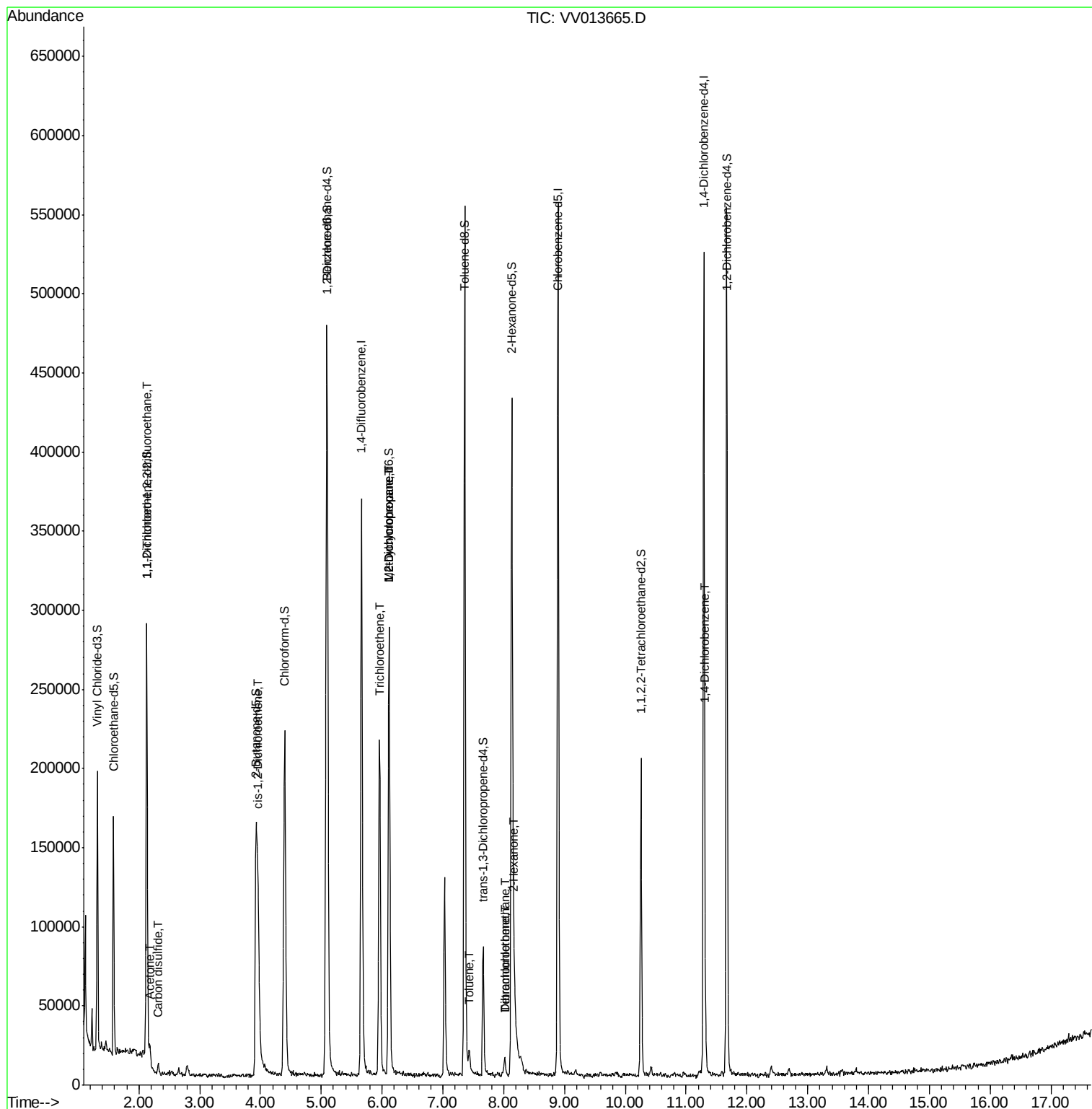
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1451	0.074	ug/L #	23
13) Acetone	2.19	43	7589	2.656	ug/L #	20
14) Carbon disulfide	2.32	76	7064	0.108	ug/L #	88
22) cis-1,2-Dichloroethene	3.96	96	46662	1.925	ug/L #	99
34) Trichloroethene	5.95	95	72302	2.852	ug/L	96
35) Methylcyclohexane	6.12	83	33307	0.861	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	15167	0.669	ug/L #	89
42) Toluene	7.44	91	9469	0.094	ug/L	97
47) Tetrachloroethene	8.02	164	3094	0.132	ug/L	83
48) 2-Hexanone	8.18	43	10437	1.115	ug/L #	83
49) Dibromochloromethane	8.02	129	2306	0.111	ug/L #	20
63) 1,4-Dichlorobenzene	11.31	146	15220	0.312	ug/L	92

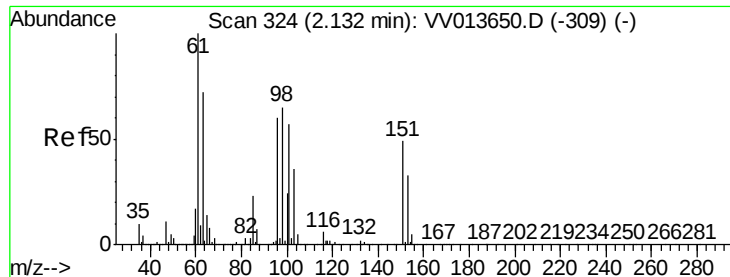
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.074 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV013665.D

Acq: 18 Nov 2019 18:35

Instrument :

MSVOA_V

ClientSampled :

GAQJ3

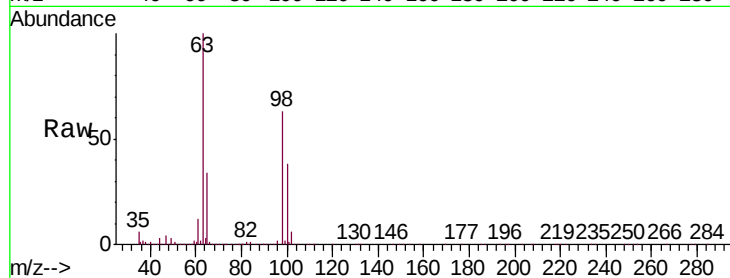
Tgt Ion:101 Resp: 1451

Ion Ratio Lower Upper

101 100

85 3.4 32.0 48.0#

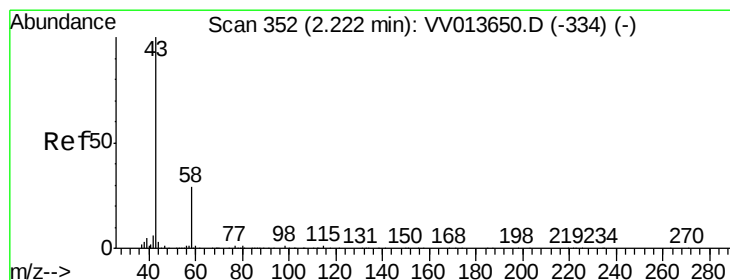
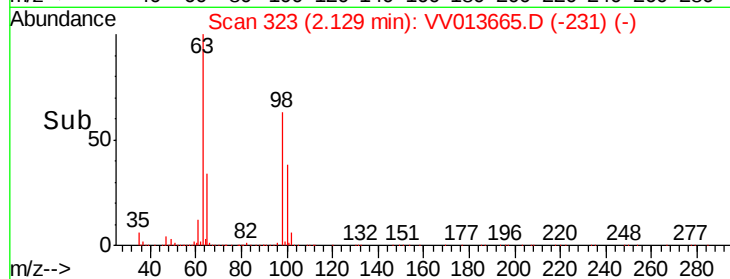
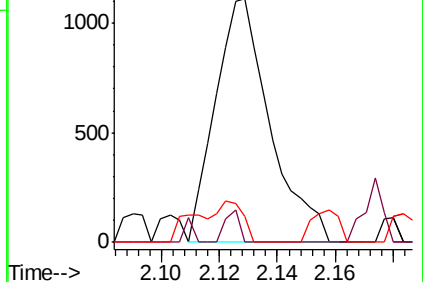
151 8.2 69.0 103.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 2.656 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.04 min

Lab File: VV013665.D

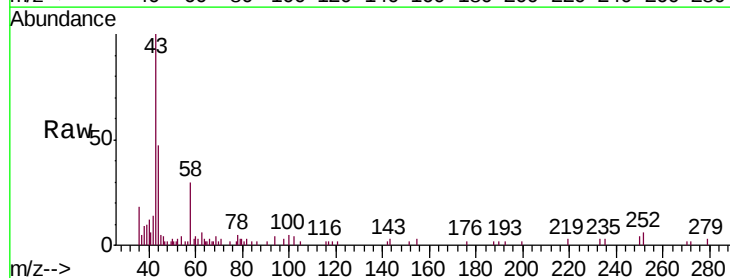
Acq: 18 Nov 2019 18:35

Tgt Ion: 43 Resp: 7589

Ion Ratio Lower Upper

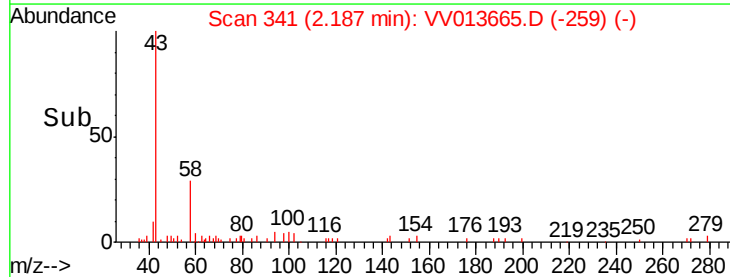
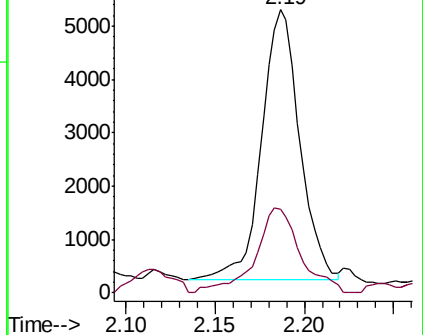
43 100

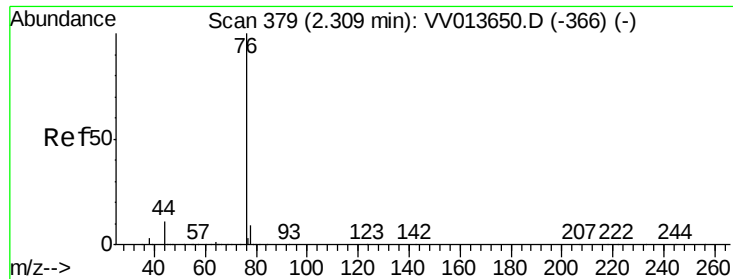
58 36.9 0.0 17.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#14

Carbon disulfide

Concen: 0.108 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV013665.D

Acq: 18 Nov 2019 18:35

Instrument :

MSVOA_V

ClientSampleId :

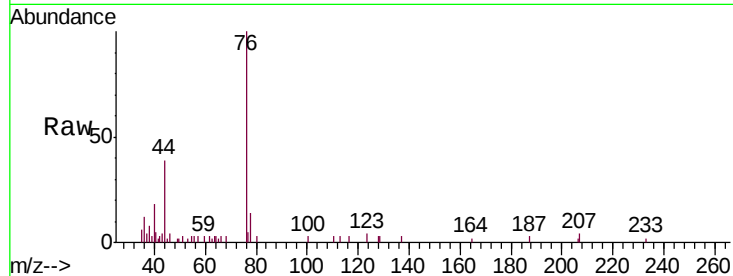
GAQJ3

Tgt Ion: 76 Resp: 7064

Ion Ratio Lower Upper

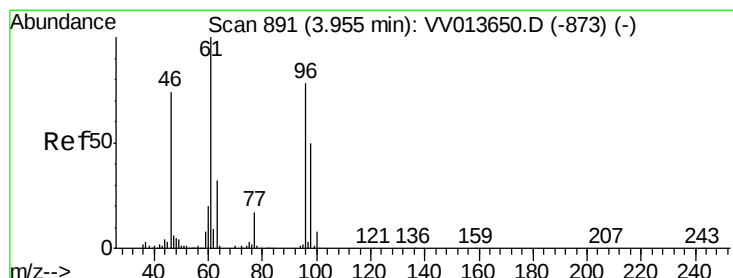
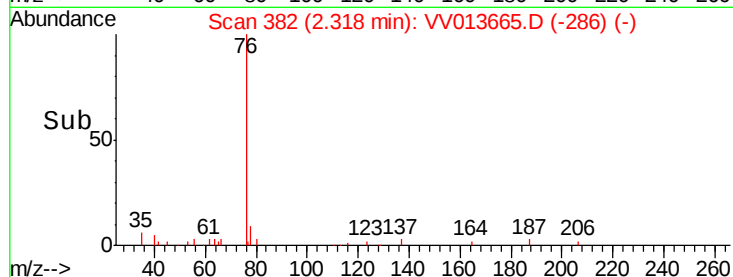
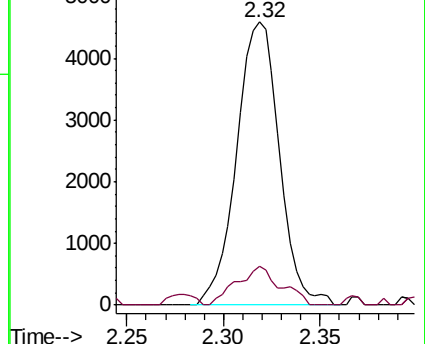
76 100

78 13.7 7.4 11.2#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#22

cis-1,2-Dichloroethene

Concen: 1.925 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV013665.D

Acq: 18 Nov 2019 18:35

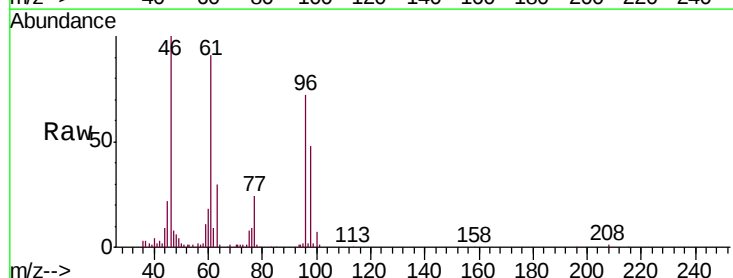
Tgt Ion: 96 Resp: 46662

Ion Ratio Lower Upper

96 100

61 126.7 87.7 162.9

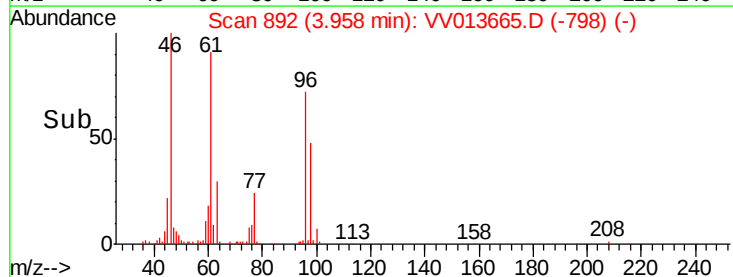
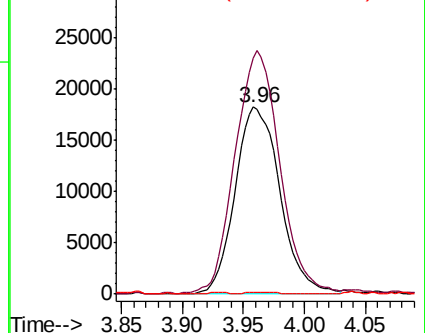
68 0.8 0.1 0.3#

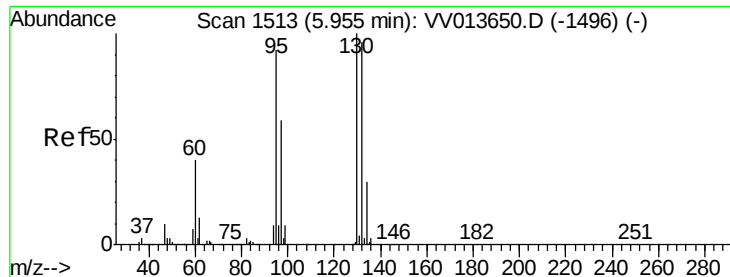


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#34

Trichloroethene

Concen: 2.852 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV013665.D

Acq: 18 Nov 2019 18:35

Instrument :

MSVOA_V

ClientSampleId :

GAQJ3

Tgt Ion: 95 Resp: 72302

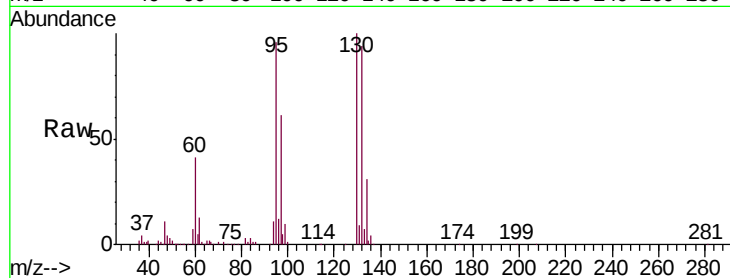
Ion Ratio Lower Upper

95 100

97 63.3 44.8 83.2

132 98.3 72.9 135.3

130 104.1 75.1 139.5

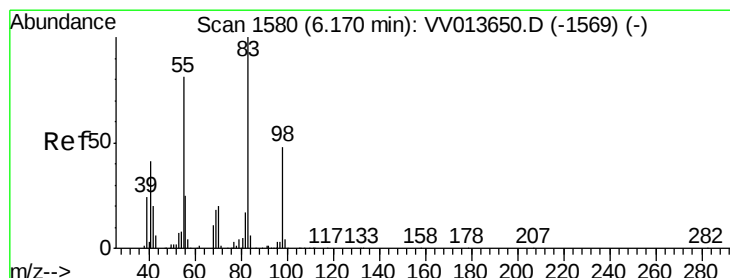
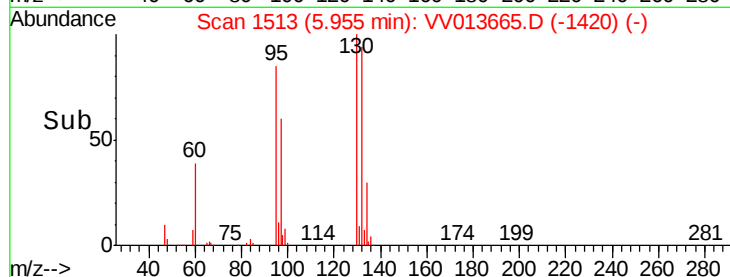
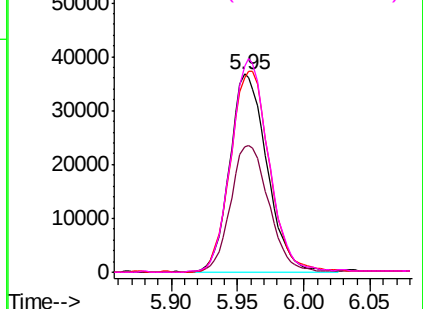


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.861 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV013665.D

Acq: 18 Nov 2019 18:35

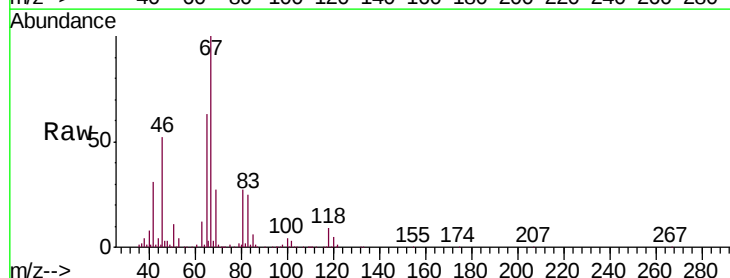
Tgt Ion: 83 Resp: 33307

Ion Ratio Lower Upper

83 100

55 0.6 64.1 96.1#

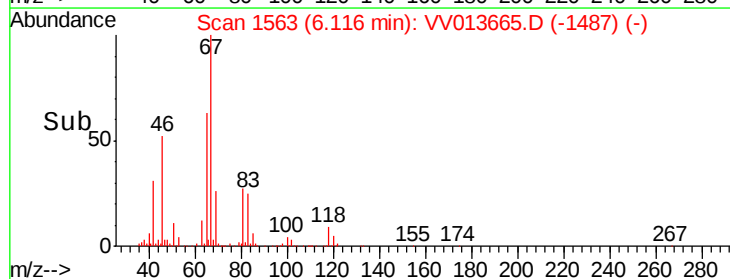
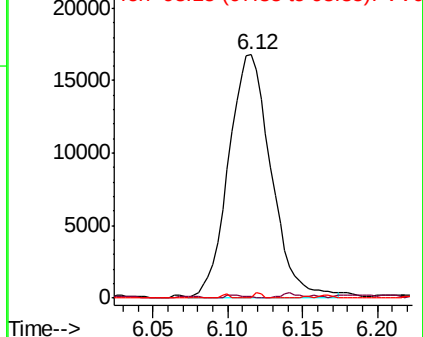
98 0.0 38.2 57.2#

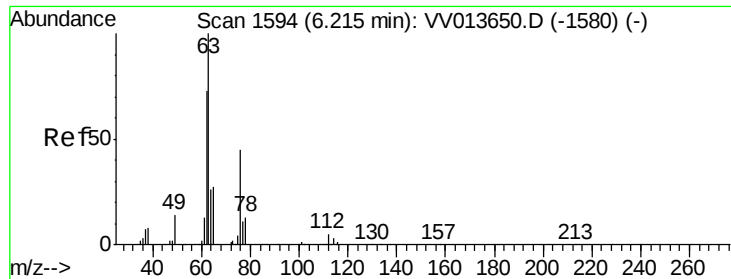


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.669 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013665.D

Acq: 18 Nov 2019 18:35

Instrument :

MSVOA_V

ClientSampleId :

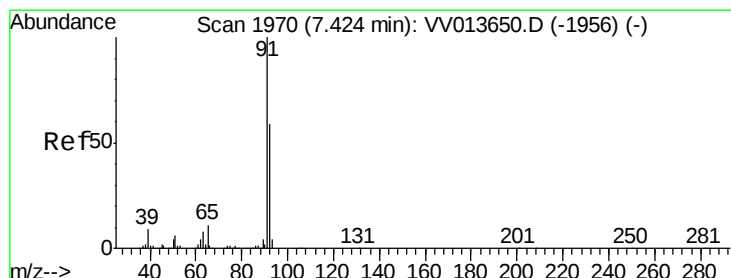
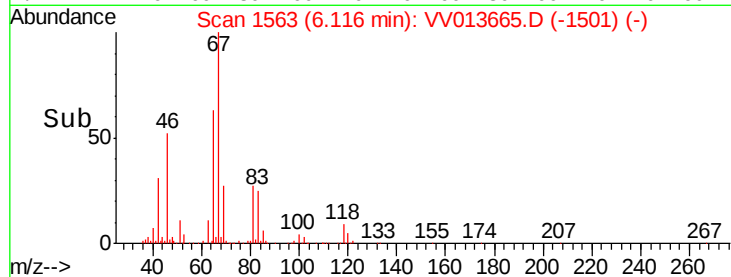
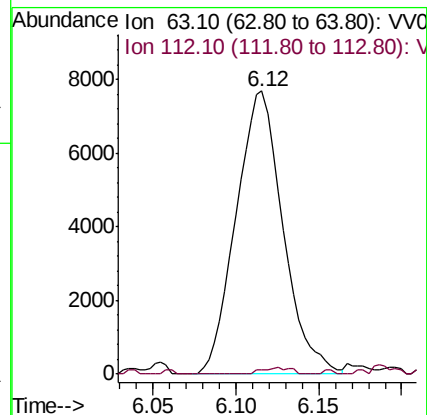
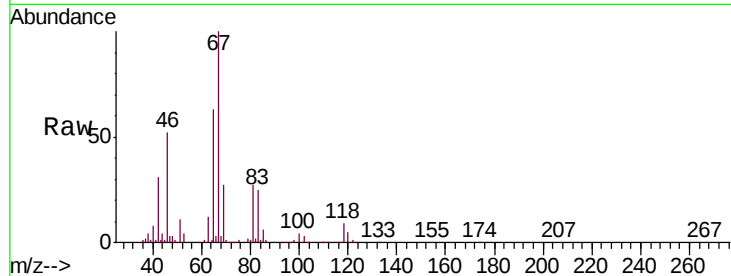
GAQJ3

Tgt Ion: 63 Resp: 15167

Ion Ratio Lower Upper

63 100

112 1.4 4.1 6.1#



#42

Toluene

Concen: 0.094 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.01 min

Lab File: VV013665.D

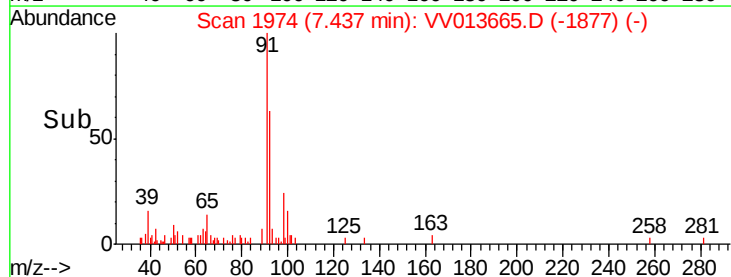
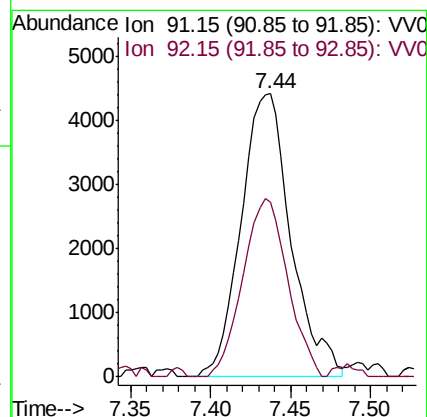
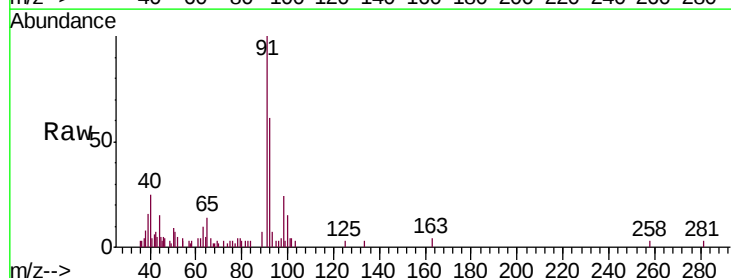
Acq: 18 Nov 2019 18:35

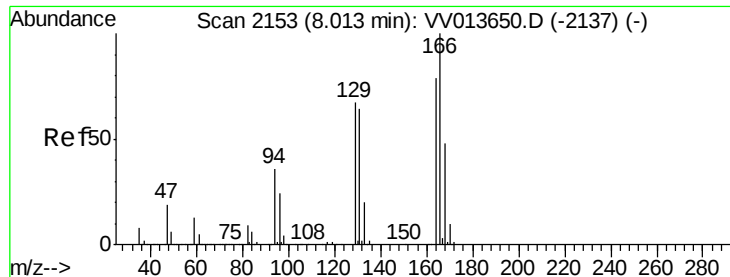
Tgt Ion: 91 Resp: 9469

Ion Ratio Lower Upper

91 100

92 61.5 41.2 76.6





#47

Tetrachloroethene

Concen: 0.132 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013665.D

Acq: 18 Nov 2019 18:35

Instrument :

MSVOA_V

ClientSampleId :

GAQJ3

Tgt Ion:164 Resp: 3094

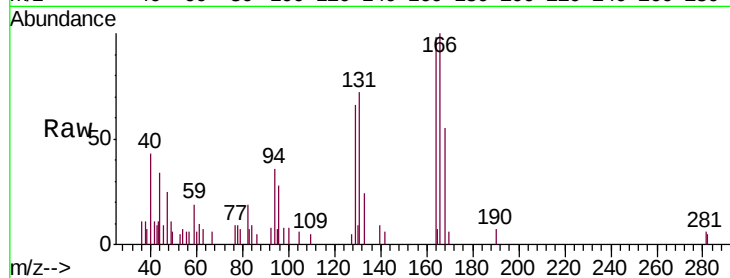
Ion Ratio Lower Upper

164 100

129 67.4 59.1 109.9

131 73.7 58.9 109.5

166 102.4 87.8 163.2

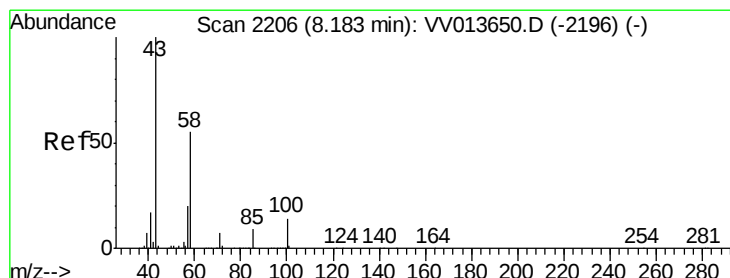
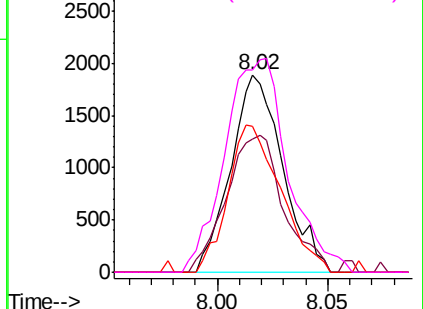
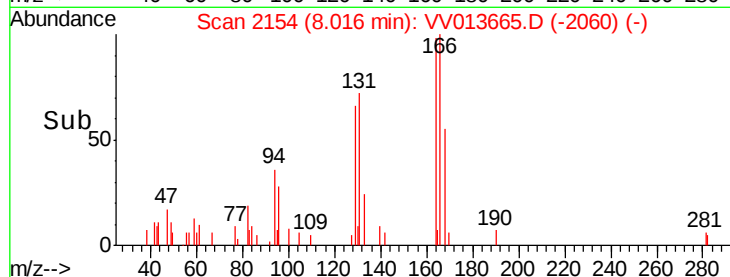


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 1.115 ug/L

RT: 8.18 min Scan# 2204

Delta R.T. -0.01 min

Lab File: VV013665.D

Acq: 18 Nov 2019 18:35

Tgt Ion: 43 Resp: 10437

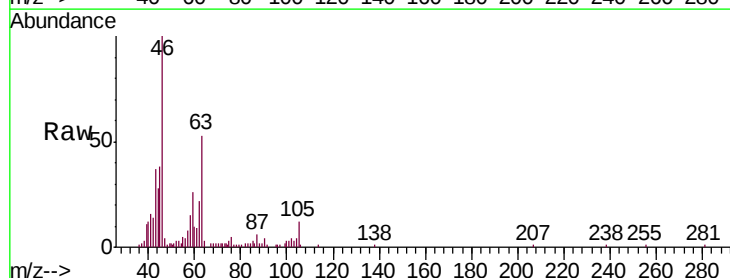
Ion Ratio Lower Upper

43 100

58 67.1 43.0 64.6#

57 13.6 15.4 23.2#

100 5.6 10.1 15.1#

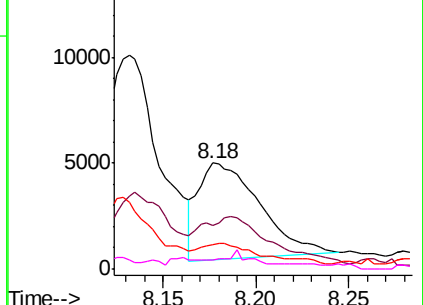
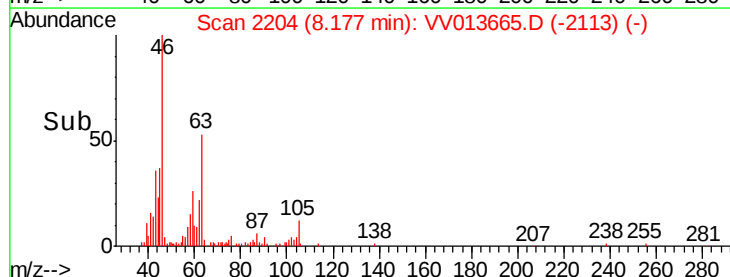


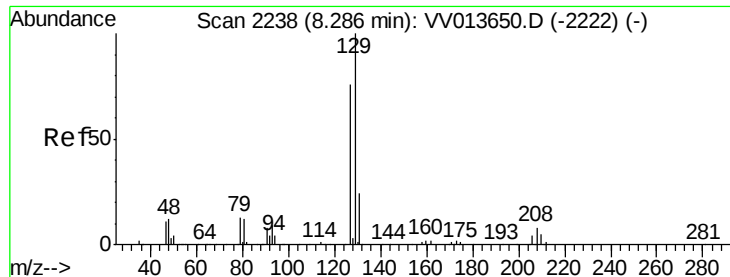
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 0.111 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV013665.D

Acq: 18 Nov 2019 18:35

Instrument :

MSVOA_V

ClientSampleId :

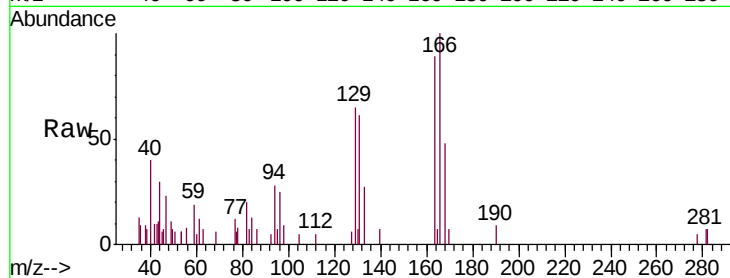
GAQJ3

Tgt Ion:129 Resp: 2306

Ion Ratio Lower Upper

129 100

127 8.8 54.5 101.3#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

1500

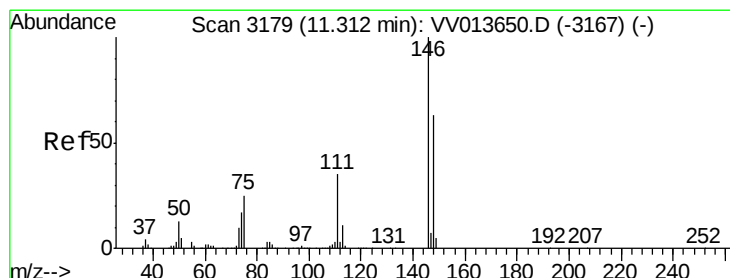
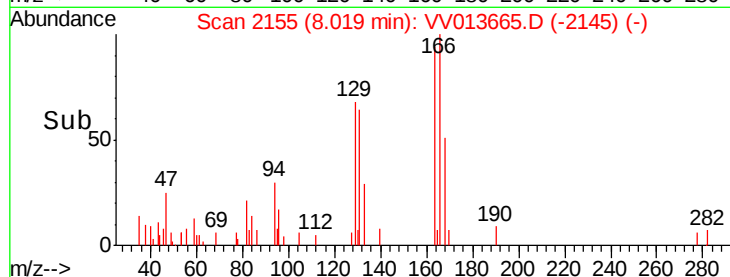
1000

500

0

8.00 8.05

Time-->



#63

1,4-Dichlorobenzene

Concen: 0.312 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013665.D

Acq: 18 Nov 2019 18:35

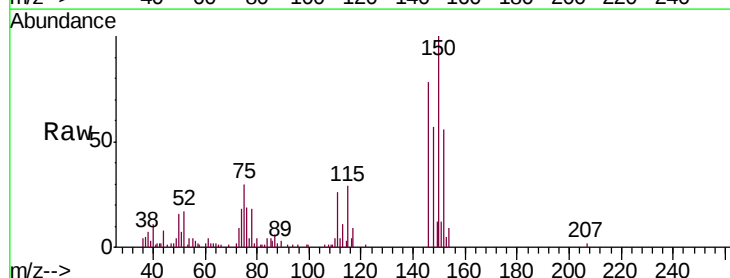
Tgt Ion:146 Resp: 15220

Ion Ratio Lower Upper

146 100

111 33.4 25.6 47.6

148 72.4 45.6 84.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

12000

10000

8000

6000

4000

2000

0

11.25 11.30 11.35 11.40

Time-->

