

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122319\
 Data File : VV014174.D
 Acq On : 23 Dec 2019 21:55
 Operator : SY/MD
 Sample : K6404-11
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 24 01:38:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 24 01:34:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	343539	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	333745	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	138445	5.00	ug/L	0.00

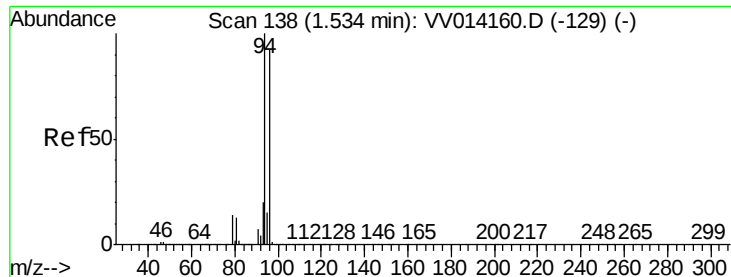
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	127927	5.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.80%
7) Chloroethane-d5	1.58	69	116212	5.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.80%
11) 1,1-Dichloroethene-d2	2.13	63	175193	4.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.00%
20) 2-Butanone-d5	3.92	46	278691	59.93	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.86%
24) Chloroform-d	4.40	84	248063	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
26) 1,2-Dichloroethane-d4	5.08	65	123691	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.20%
32) Benzene-d6	5.10	84	494716	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
36) 1,2-Dichloropropane-d6	6.12	67	152434	5.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.00%
41) Toluene-d8	7.36	98	416140	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	7.66	79	50869	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.13	63	202361	53.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.74%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	99166	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	146784	5.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	1.54	94	1200	0.081	ug/L	80
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	1789	0.088	ug/L #	21
13) Acetone	2.18	43	14155	3.737	ug/L	93
14) Carbon disulfide	2.32	76	115059	1.748	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	18044	0.370	ug/L #	77
22) cis-1,2-Dichloroethene	3.96	96	1780	0.074	ug/L #	83
35) Methylcyclohexane	6.18	83	3665	0.100	ug/L #	73
37) 1,2-Dichloropropane	6.11	63	17106	0.736	ug/L #	88
42) Toluene	7.43	91	17959	0.182	ug/L	98
48) 2-Hexanone	8.13	43	27269	2.949	ug/L #	76
53) m,p-xylene	9.18	106	5161	0.130	ug/L	91
54) o-xylene	9.59	106	3021	0.081	ug/L	70
69) Naphthalene	13.55	128	14882	0.418	ug/L	98

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



#6

Bromomethane

Concen: 0.081 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014174.D

Acq: 23 Dec 2019 21:55

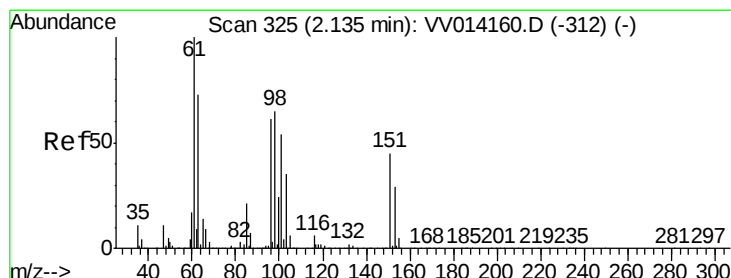
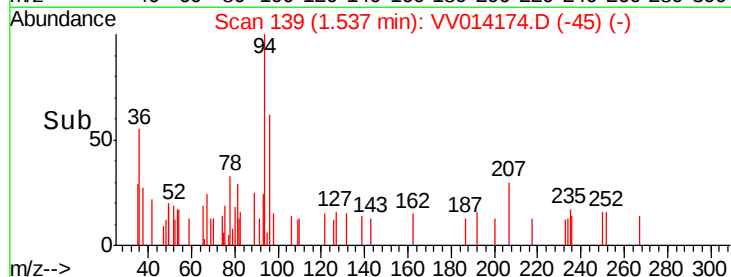
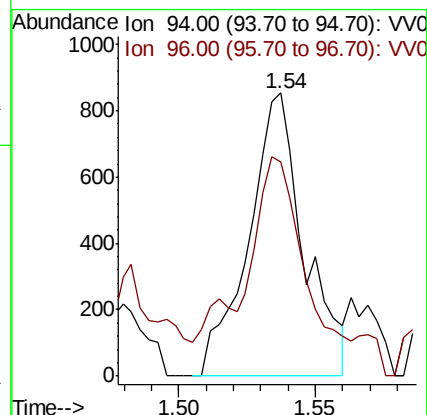
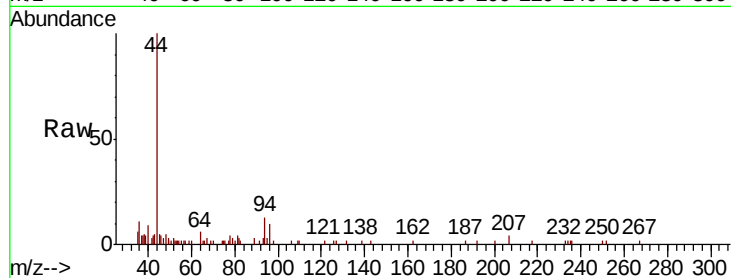
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 94 Resp: 1200

Ion Ratio Lower Upper

94 100

96 75.8 66.4 123.4



#10

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

Concen: 0.088 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV014174.D

Acq: 23 Dec 2019 21:55

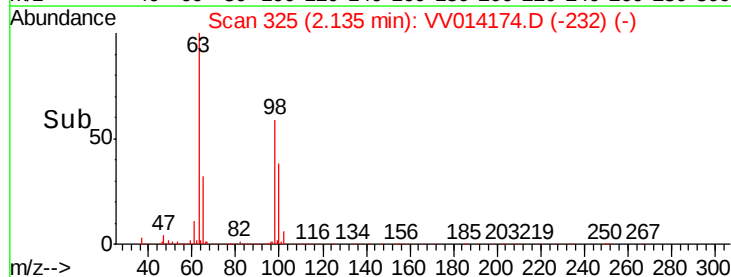
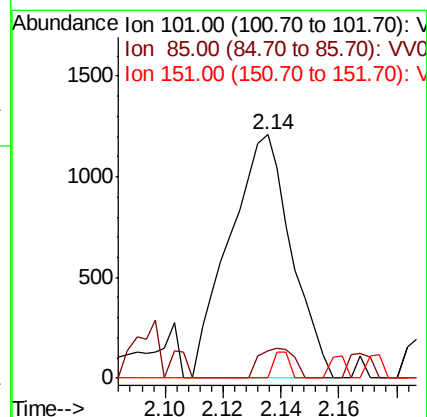
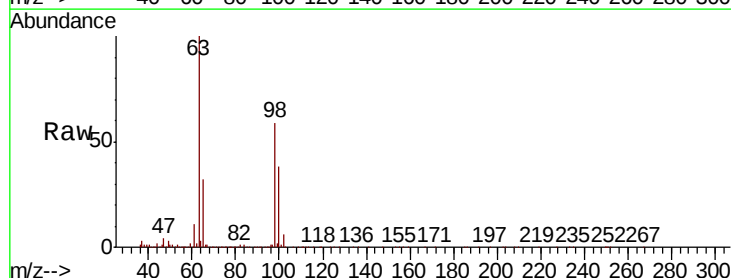
Tgt Ion: 101 Resp: 1789

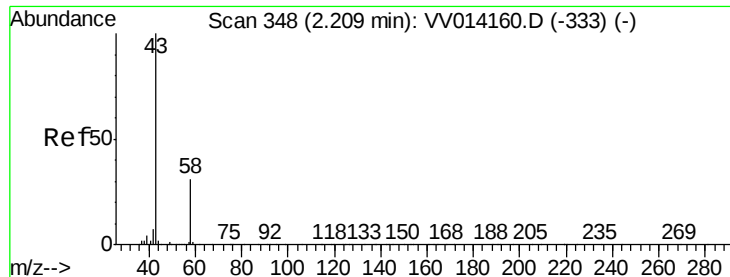
Ion Ratio Lower Upper

101 100

85 6.9 34.7 52.1#

151 2.9 69.1 103.7#





#13

Acetone

Concen: 3.737 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.03 min

Lab File: VV014174.D

Acq: 23 Dec 2019 21:55

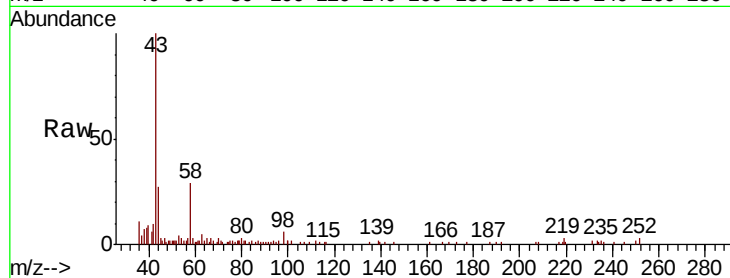
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 14155

Ion Ratio Lower Upper

43 100

58 33.3 0.0 58.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.18

10000

8000

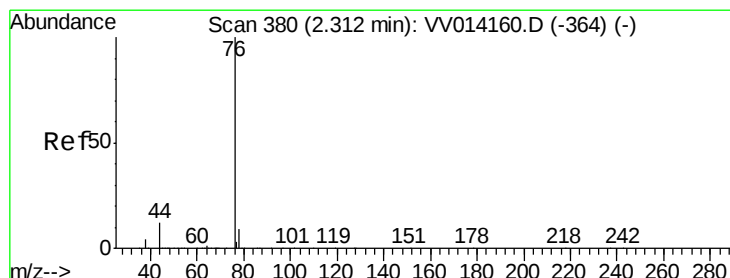
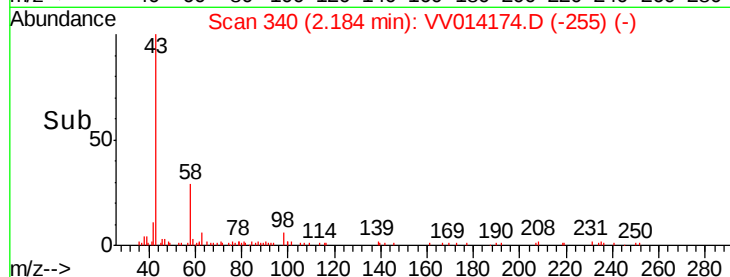
6000

4000

2000

0

Time--> 2.10 2.15 2.20 2.25



#14

Carbon disulfide

Concen: 1.748 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV014174.D

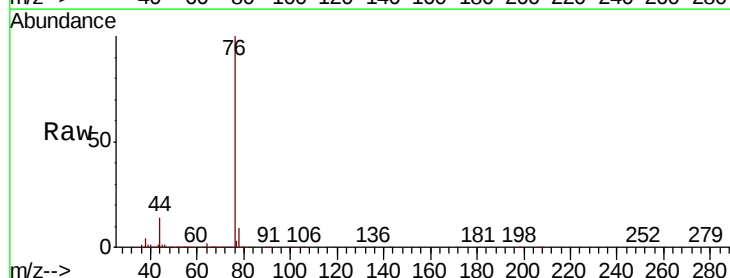
Acq: 23 Dec 2019 21:55

Tgt Ion: 76 Resp: 115059

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

80000

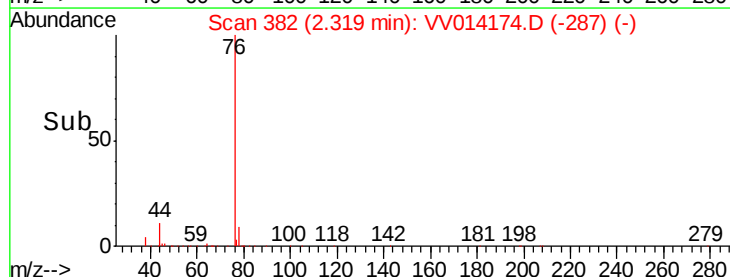
60000

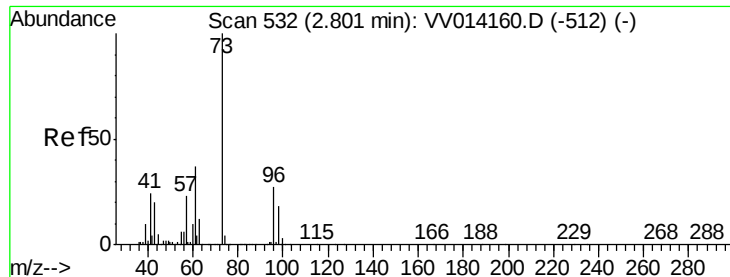
40000

20000

0

Time--> 2.20 2.30 2.40



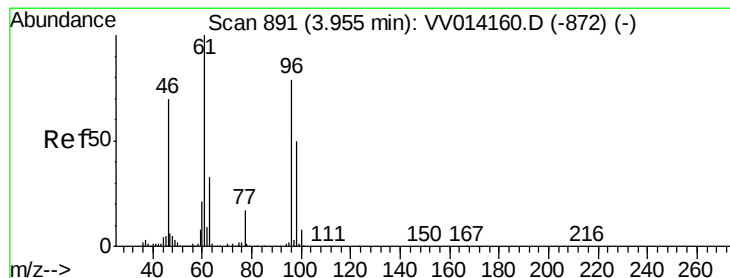
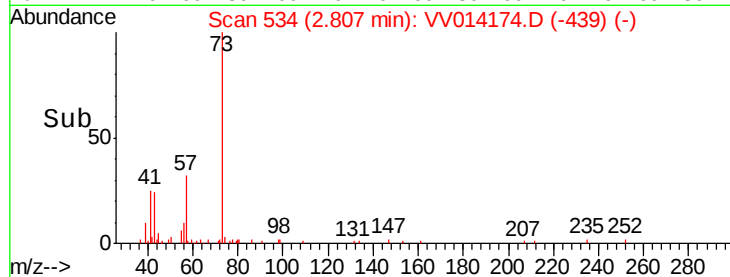
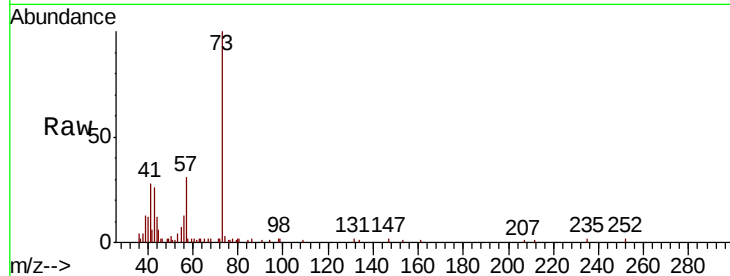
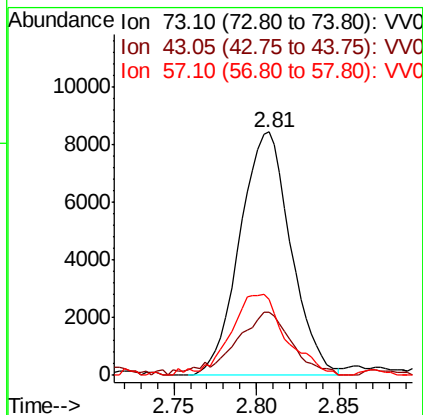


#17

Methvl tert-butvl Ether
 Concen: 0.370 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. 0.01 min
 Lab File: VV014174.D
 Acq: 23 Dec 2019 21:55

Instrument :
 MSVOA_V
 ClientSampled :

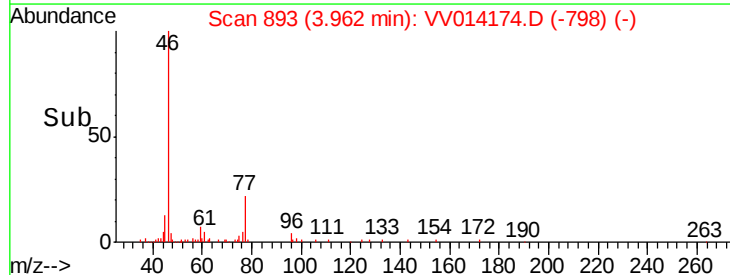
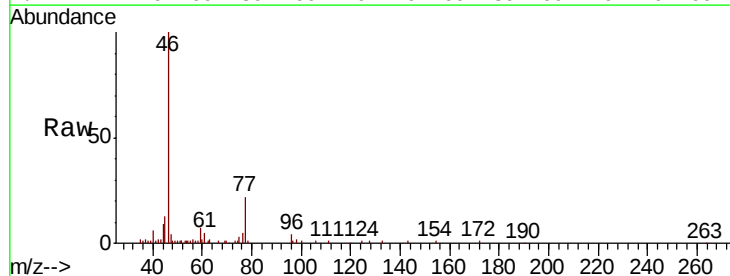
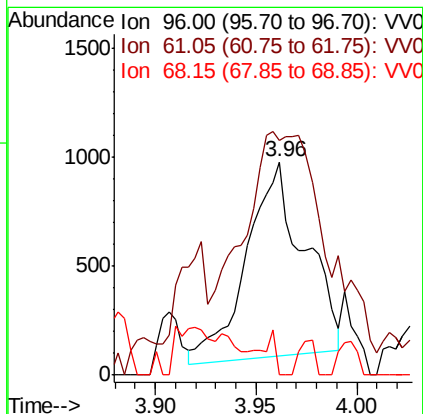
Tot Ion	Ratio	Lower	Upper
73	100		
43	28.9	15.8	23.8#
57	36.1	18.6	28.0#

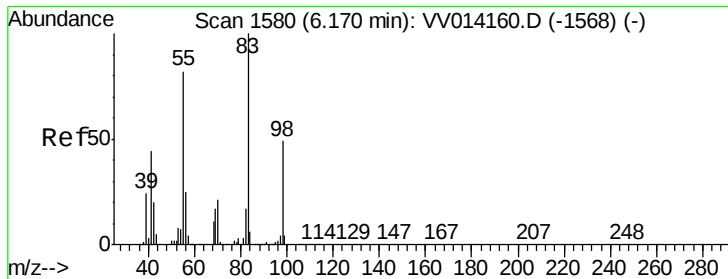


#22

cis-1,2-Dichloroethene
 Concen: 0.074 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VV014174.D
 Acq: 23 Dec 2019 21:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	110.2	91.2	169.4
68	0.0	0.1	0.3#

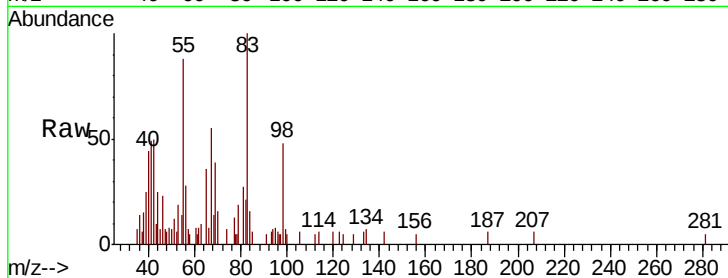




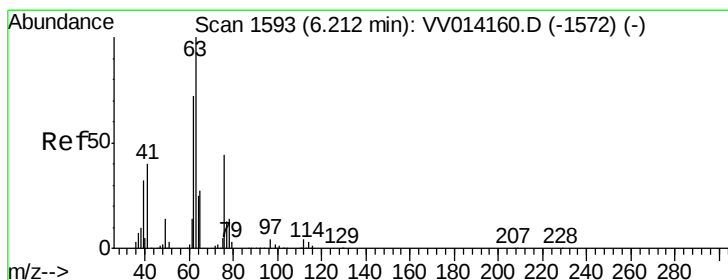
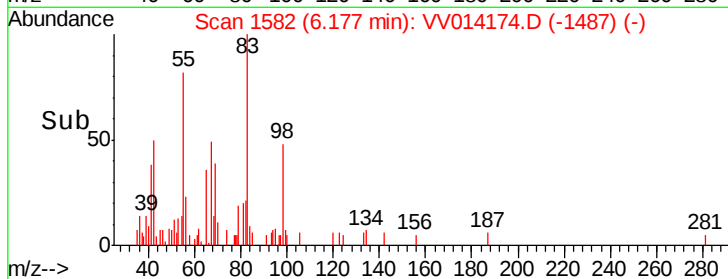
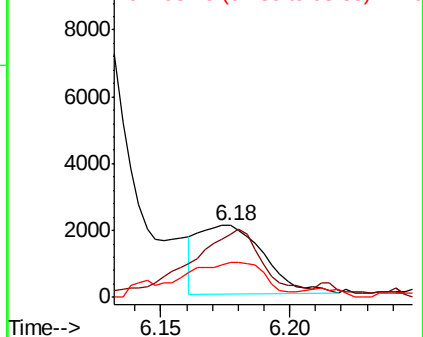
#35
Methvlcvclohexane
Concen: 0.100 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. 0.01 min
Lab File: VV014174.D
Acq: 23 Dec 2019 21:55

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 3665
Ion Ratio Lower Upper
83 100
55 113.1 65.3 97.9#
98 57.7 39.2 58.8

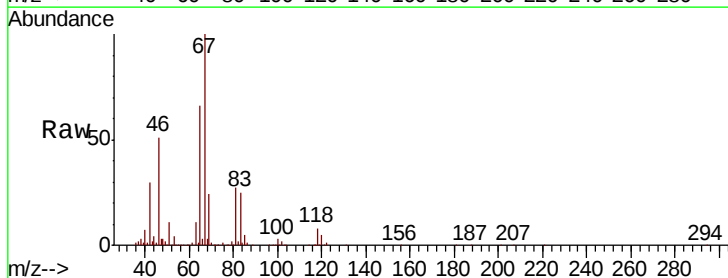


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

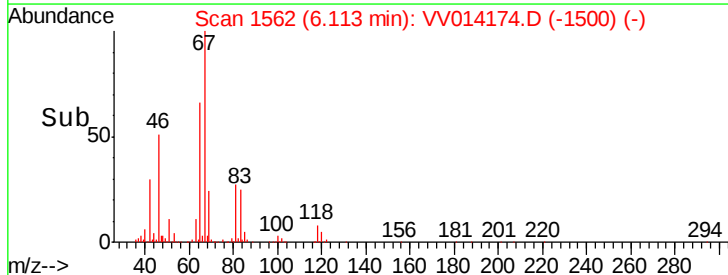
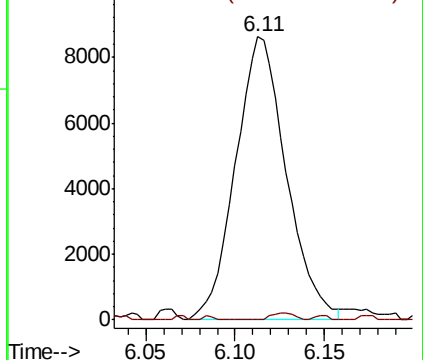


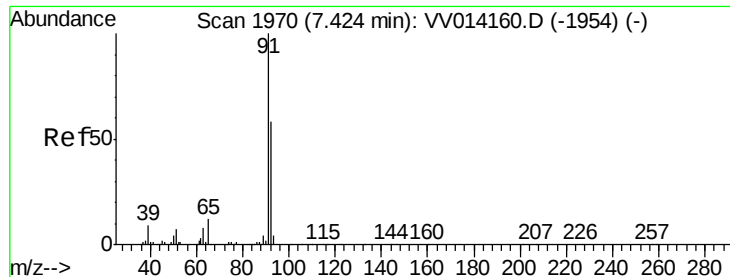
#37
1,2-Dichloropropane
Concen: 0.736 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VV014174.D
Acq: 23 Dec 2019 21:55

Tgt Ion: 63 Resp: 17106
Ion Ratio Lower Upper
63 100
112 1.1 4.0 6.0#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.182 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV014174.D

Acq: 23 Dec 2019 21:55

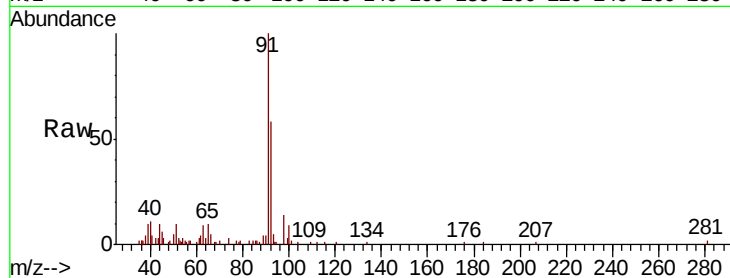
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 17959

Ion Ratio Lower Upper

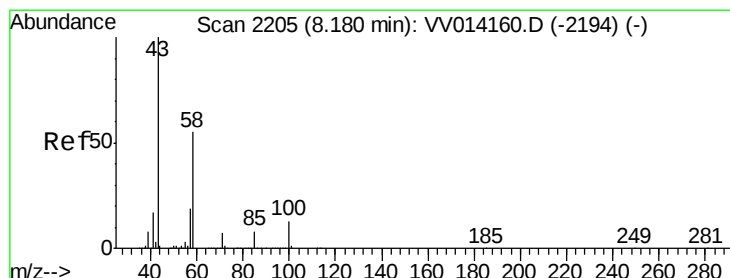
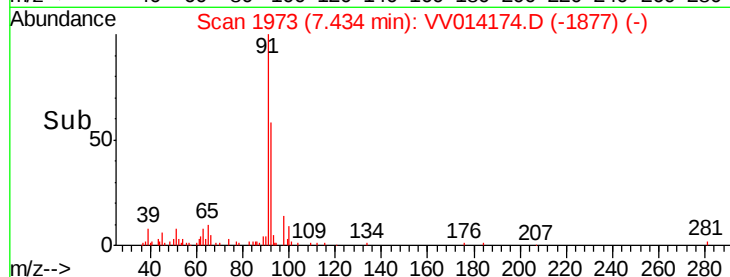
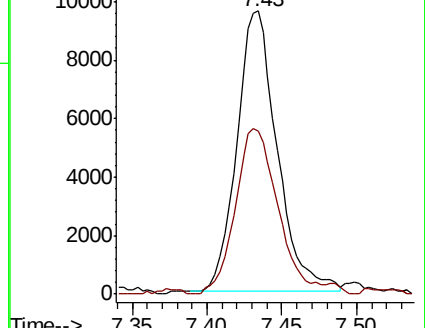
91 100

92 57.7 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV014160.D (-1954) (-)

Ion 92.15 (91.85 to 92.85): VV014160.D (-1954) (-)



#48

2-Hexanone

Concen: 2.949 ug/L

RT: 8.13 min Scan# 2189

Delta R.T. -0.05 min

Lab File: VV014174.D

Acq: 23 Dec 2019 21:55

Tgt Ion: 43 Resp: 27269

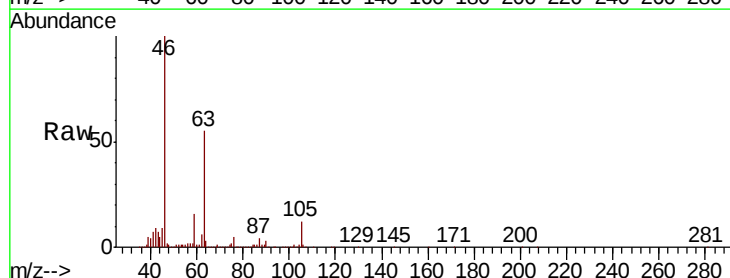
Ion Ratio Lower Upper

43 100

58 38.1 43.2 64.8#

57 30.5 14.8 22.2#

100 2.1 9.7 14.5#

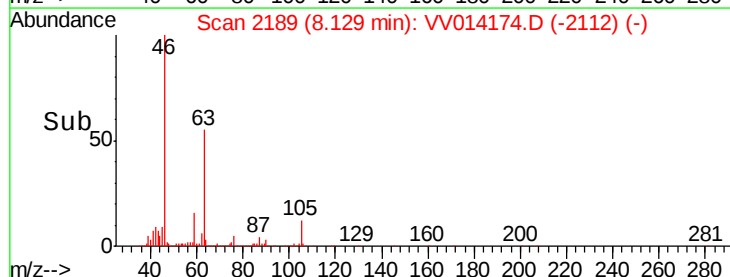
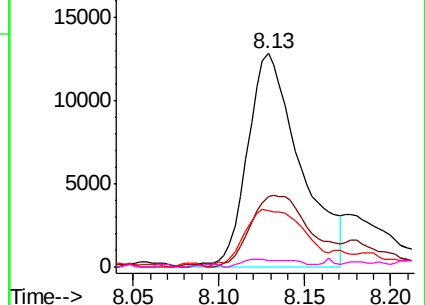


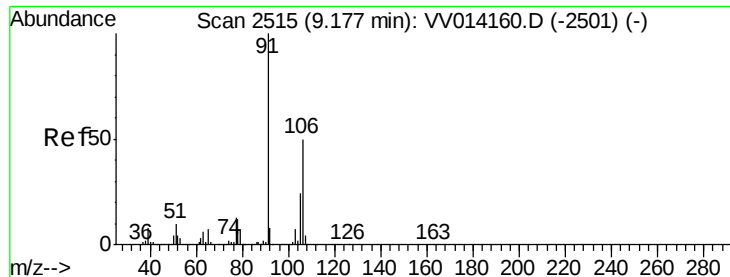
Abundance Ion 43.05 (42.75 to 43.75): VV014160.D (-2194) (-)

Ion 58.05 (57.75 to 58.75): VV014160.D (-2194) (-)

Ion 57.20 (56.90 to 57.90): VV014160.D (-2194) (-)

Ion 100.15 (99.85 to 100.85): VV014160.D (-2194) (-)





#53

m,p-xylene

Concen: 0.130 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV014174.D

Acq: 23 Dec 2019 21:55

Instrument :

MSVOA_V

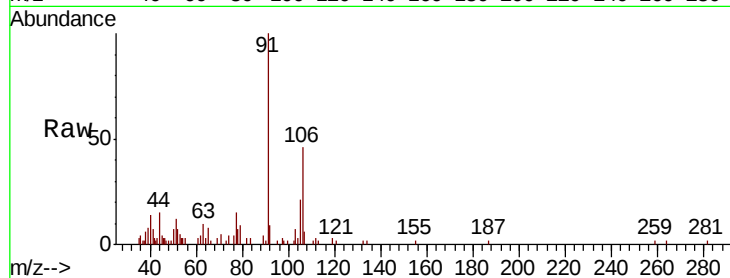
ClientSampled :

Tot Ion:106 Resp: 5161

Ion Ratio Lower Upper

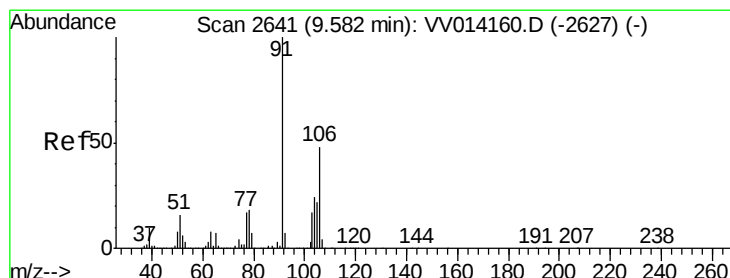
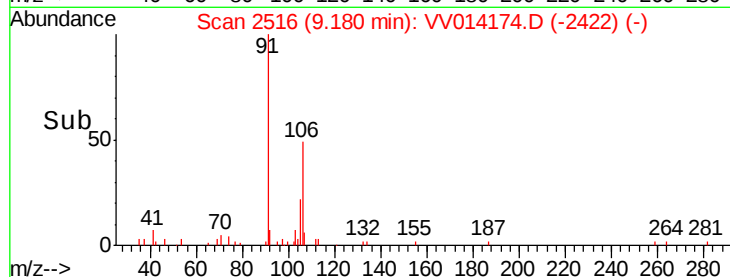
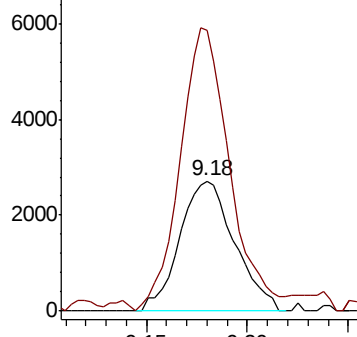
106 100

91 215.6 141.1 262.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.081 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV014174.D

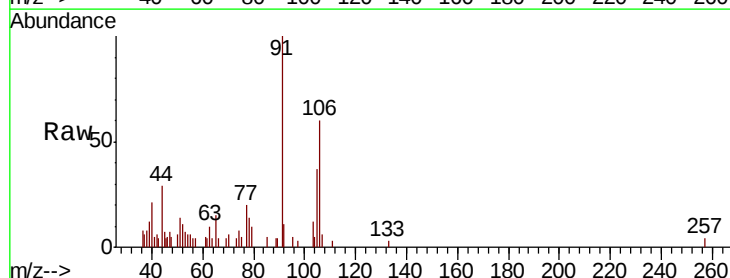
Acq: 23 Dec 2019 21:55

Tgt Ion:106 Resp: 3021

Ion Ratio Lower Upper

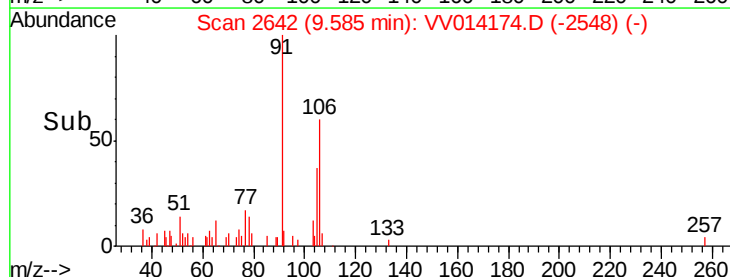
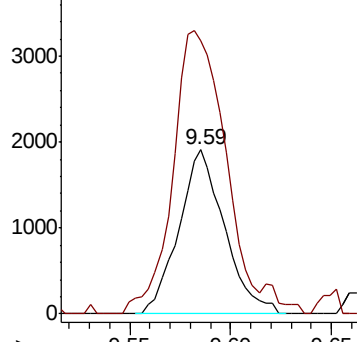
106 100

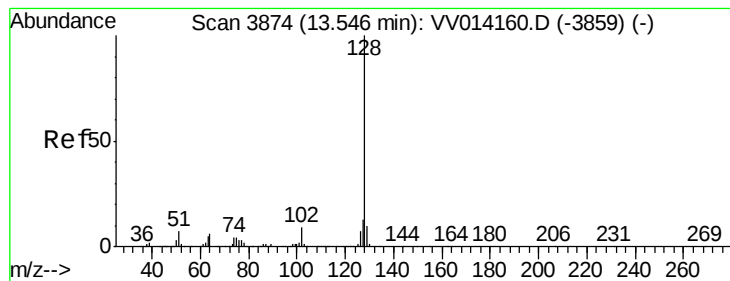
91 166.4 149.0 276.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#69

Naphthalene

Concen: 0.418 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

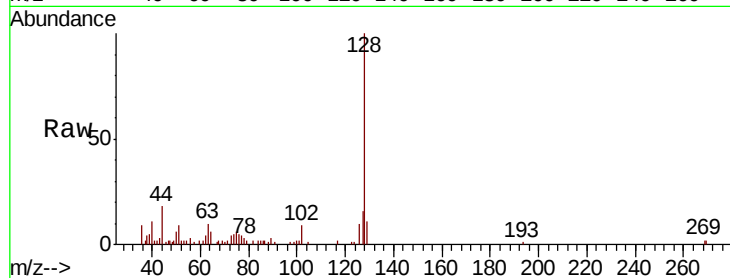
Lab File: VV014174.D

Acq: 23 Dec 2019 21:55

Instrument :

MSVOA_V

ClientSampleId :



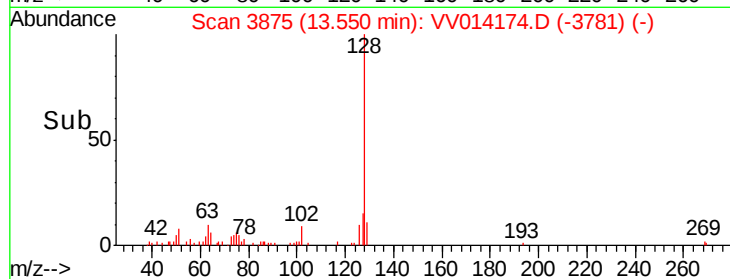
Tot Ion:128 Resp: 14882

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

127 14.8 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

