

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112019\
 Data File : VV013690.D
 Acq On : 20 Nov 2019 15:58
 Operator : SY/MD
 Sample : K5911-07
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 00:54:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 21 00:51:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	331079	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	315994	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	144899	5.00	ug/L	0.00

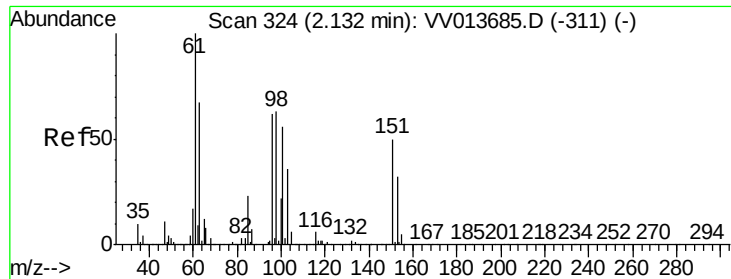
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	95514	4.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.40%
7) Chloroethane-d5	1.58	69	97482	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.80%
11) 1,1-Dichloroethene-d2	2.13	63	133006	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	3.92	46	343505	72.63	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	145.26%#
24) Chloroform-d	4.40	84	237624	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	5.08	65	126628	5.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.60%
32) Benzene-d6	5.10	84	456371	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.11	67	148904	5.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.40%
41) Toluene-d8	7.36	98	383061	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.66	79	51663	5.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.20%
46) 2-Hexanone-d5	8.13	63	237674	62.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.40%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	113676	6.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.80%#
64) 1,2-Dichlorobenzene-d4	11.67	152	159033	5.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1741	0.085	ug/L #	29
13) Acetone	2.18	43	51880	17.386	ug/L #	36
14) Carbon disulfide	2.32	76	13977	0.205	ug/L #	94
17) Methyl tert-butyl Ether	2.80	73	13879	0.275	ug/L #	70
21) 2-Butanone	4.03	43	12724	2.543	ug/L	94
33) Benzene	5.15	78	17708	0.185	ug/L	100
37) 1,2-Dichloropropane	6.12	63	16329	0.713	ug/L #	87
42) Toluene	7.43	91	58230	0.570	ug/L	100
48) 2-Hexanone	8.18	43	14650	1.550	ug/L #	51
52) Ethylbenzene	9.05	91	28179	0.259	ug/L	98
53) m,p-xylene	9.18	106	13482	0.328	ug/L	93
54) o-xylene	9.59	106	5336	0.135	ug/L	99
69) Naphthalene	13.55	128	7609	0.168	ug/L #	93

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



#10

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

Concen: 0.085 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV013690.D

Acq: 20 Nov 2019 15:58

Instrument :

MSVOA_V

ClientSampleId :

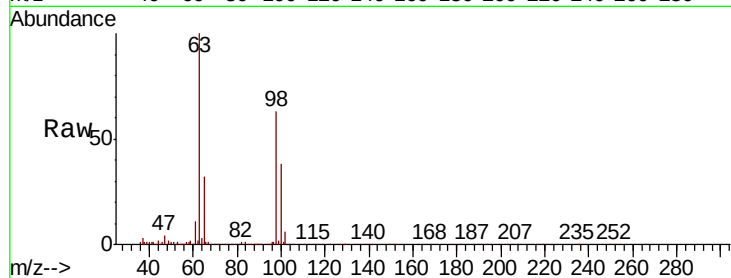
Tot Ion:101 Resp: 1741

Ion Ratio Lower Upper

101 100

85 12.8 32.0 48.0#

151 9.8 69.0 103.6#

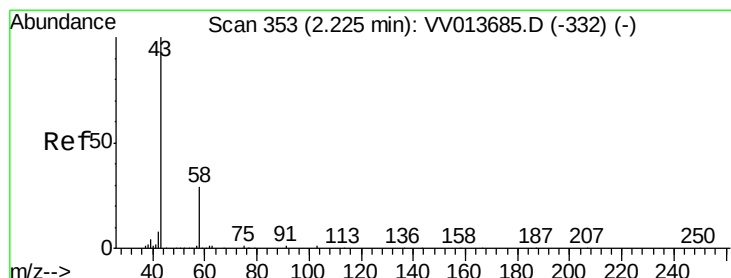
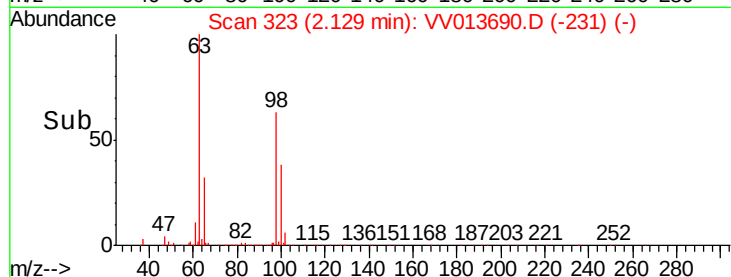


Abundance Ion 101.00 (100.70 to 101.70): VV013685.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV013685.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV013685.D (-311) (-)

Time-->



#13

Acetone

Concen: 17.386 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.04 min

Lab File: VV013690.D

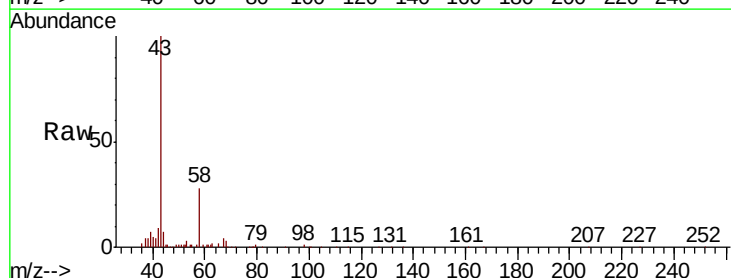
Acq: 20 Nov 2019 15:58

Tgt Ion: 43 Resp: 51880

Ion Ratio Lower Upper

43 100

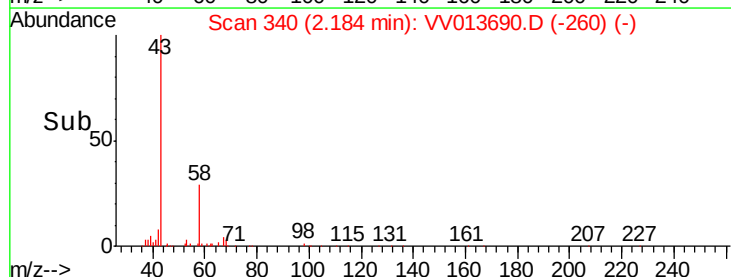
58 31.3 0.0 17.0#

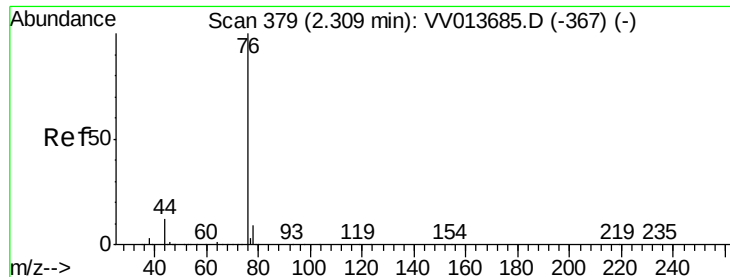


Abundance Ion 43.05 (42.75 to 43.75): VV013685.D (-332) (-)

Ion 58.05 (57.75 to 58.75): VV013685.D (-332) (-)

Time-->





#14

Carbon disulfide

Concen: 0.205 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV013690.D

Acq: 20 Nov 2019 15:58

Instrument :

MSVOA_V

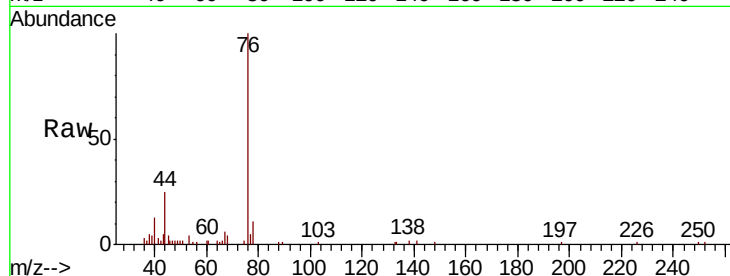
ClientSampleId :

Tot Ion: 76 Resp: 13977

Ion Ratio Lower Upper

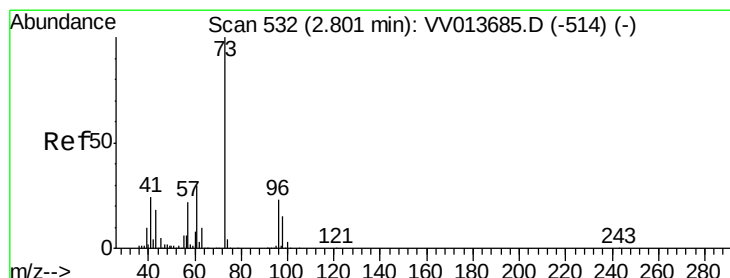
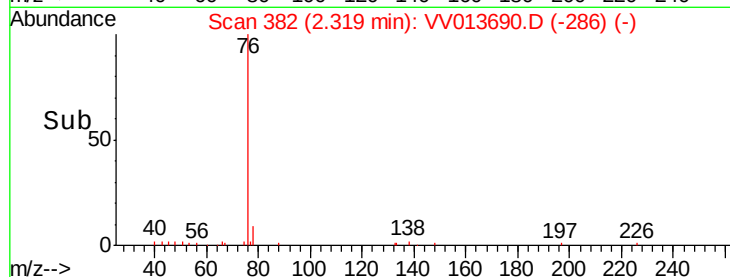
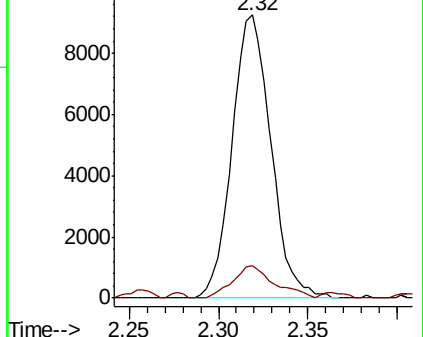
76 100

78 11.5 7.4 11.2#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#17

Methyl tert-butyl Ether

Concen: 0.275 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV013690.D

Acq: 20 Nov 2019 15:58

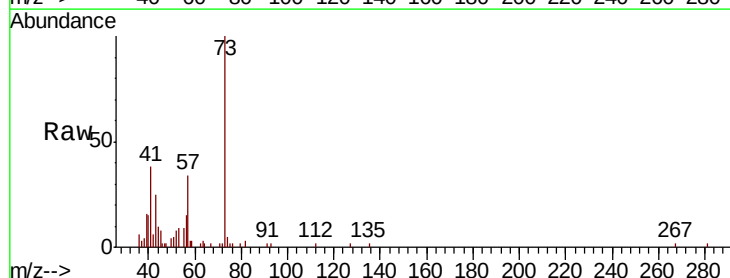
Tgt Ion: 73 Resp: 13879

Ion Ratio Lower Upper

73 100

43 30.1 15.4 23.0#

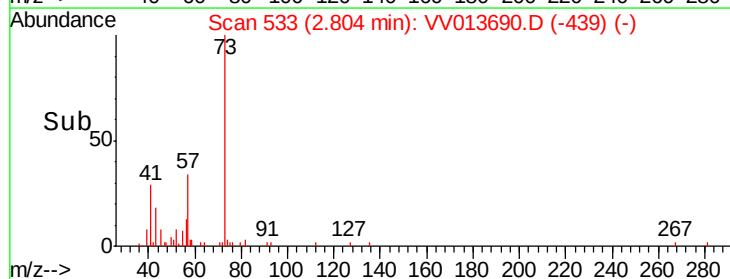
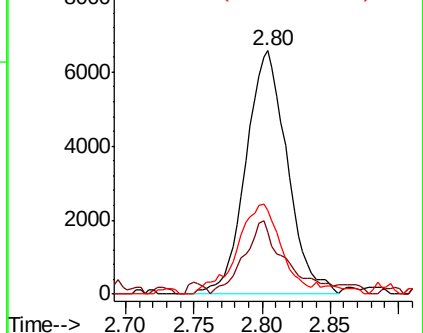
57 39.2 18.1 27.1#

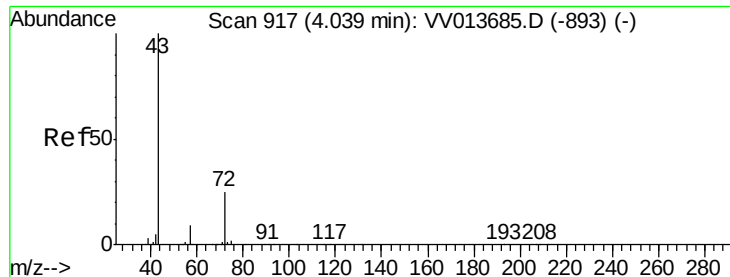


Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0





#21

2-Butanone

Concen: 2.543 ug/L

RT: 4.03 min Scan# 915

Delta R.T. -0.01 min

Lab File: VV013690.D

Acq: 20 Nov 2019 15:58

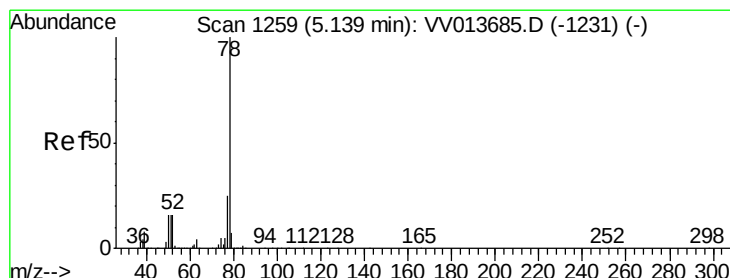
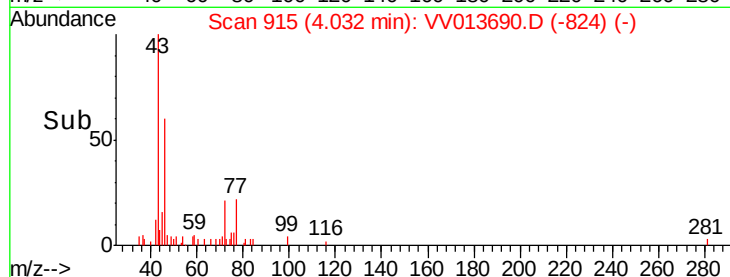
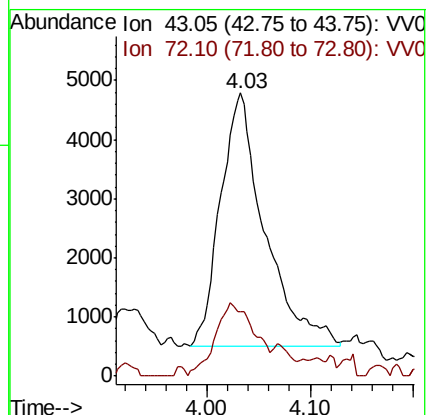
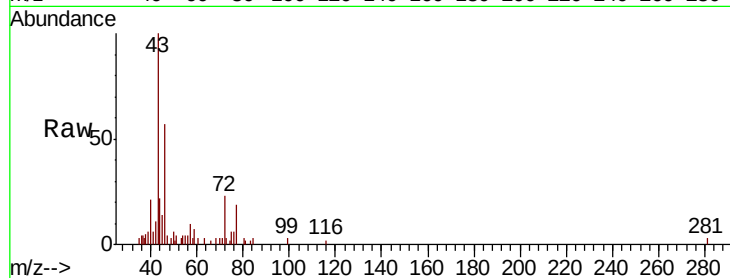
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 12724

Ion Ratio Lower Upper

43 100

72 26.1 11.6 34.8



#33

Benzene

Concen: 0.185 ug/L

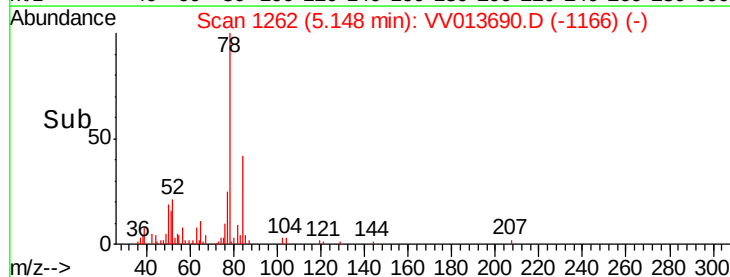
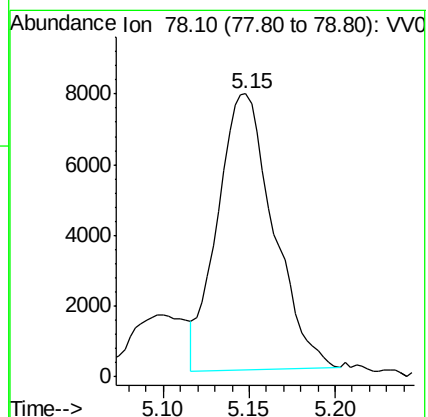
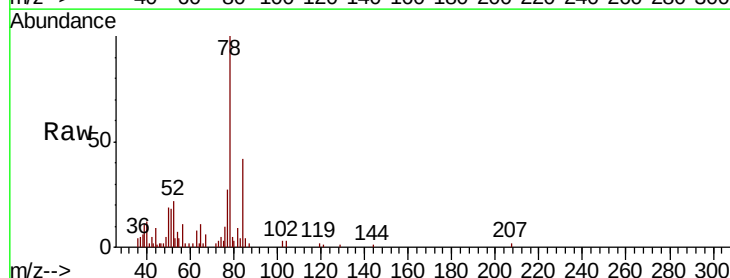
RT: 5.15 min Scan# 1262

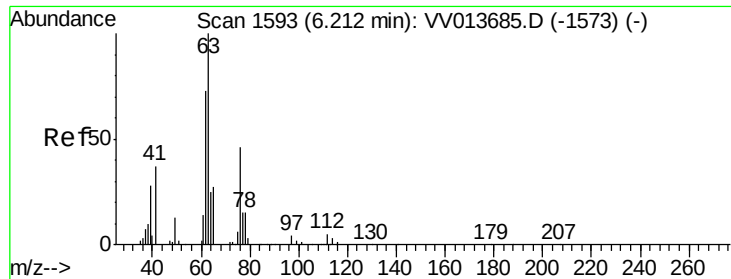
Delta R.T. 0.01 min

Lab File: VV013690.D

Acq: 20 Nov 2019 15:58

Tgt Ion: 78 Resp: 17708

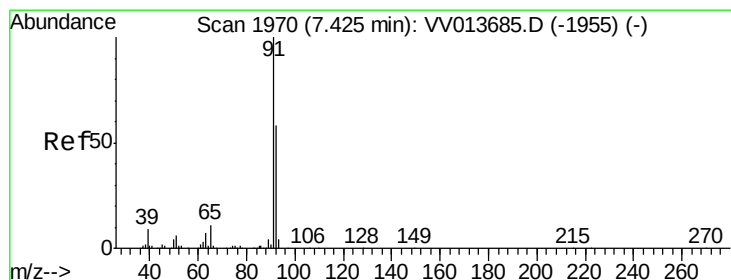
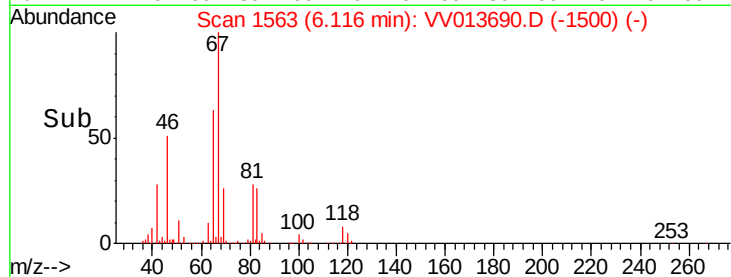
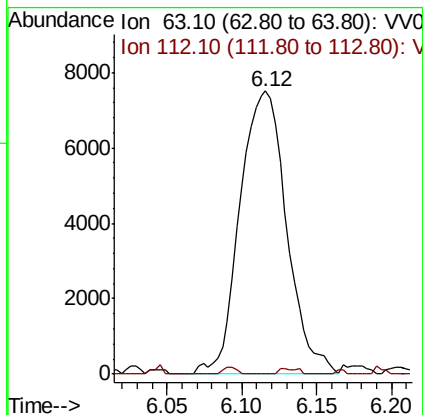
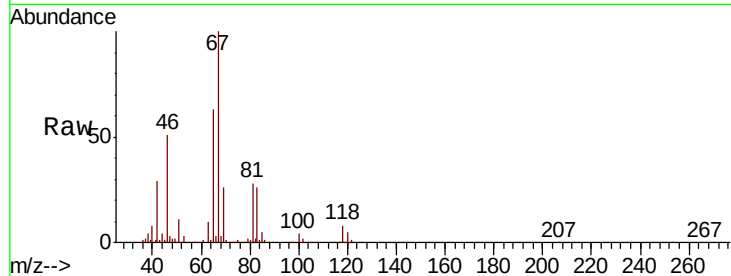




#37
 1,2-Dichloropropane
 Concen: 0.713 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV013690.D
 Acq: 20 Nov 2019 15:58

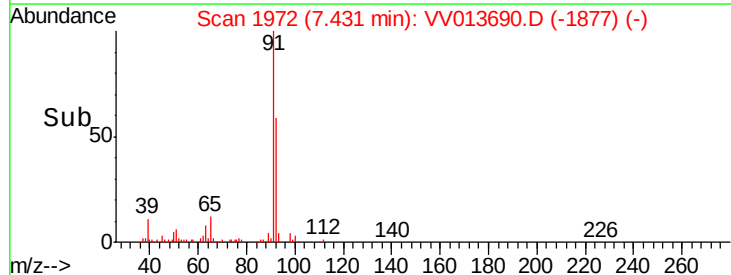
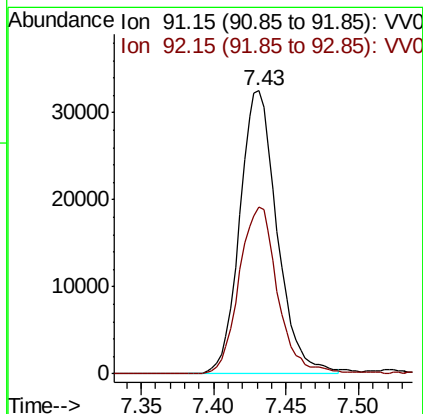
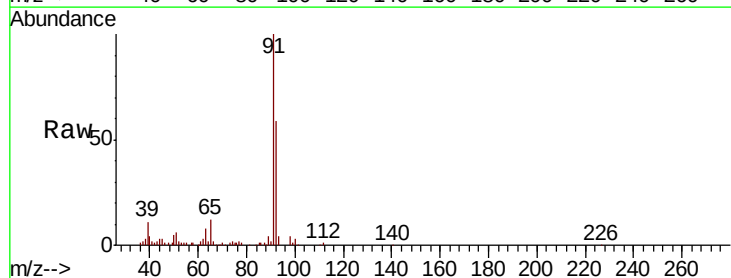
Instrument :
 MSVOA_V
 ClientSampleId :

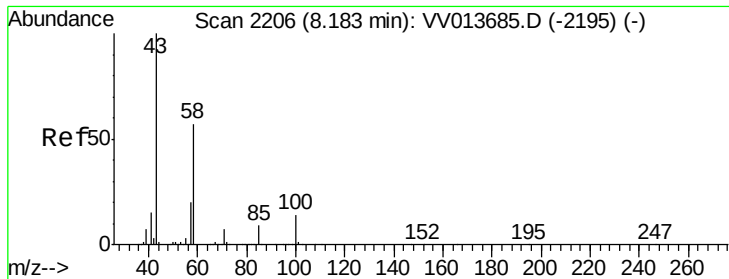
Tot Ion: 63 Resp: 16329
 Ion Ratio Lower Upper
 63 100
 112 0.8 4.1 6.1#



#42
 Toluene
 Concen: 0.570 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VV013690.D
 Acq: 20 Nov 2019 15:58

Tgt Ion: 91 Resp: 58230
 Ion Ratio Lower Upper
 91 100
 92 59.0 41.2 76.6

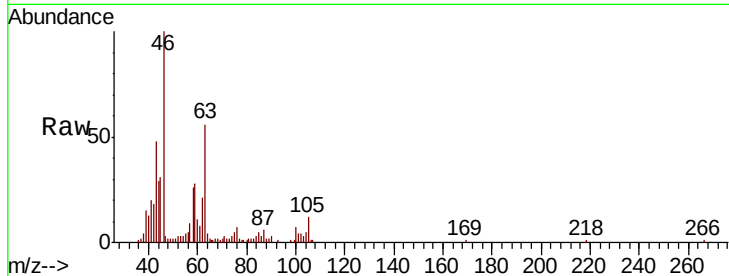




#48
2-Hexanone
Concen: 1.550 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV013690.D
Acq: 20 Nov 2019 15:58

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	43.0	64.6#
57	19.4	15.4	23.2
100	7.9	10.1	15.1#



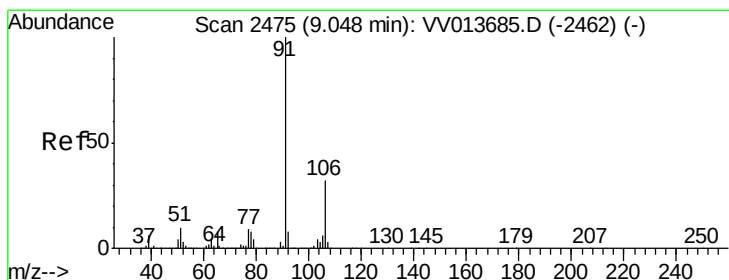
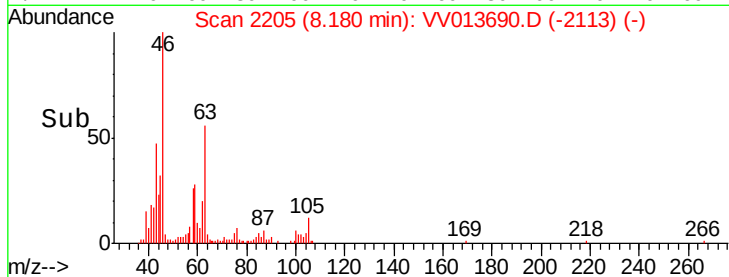
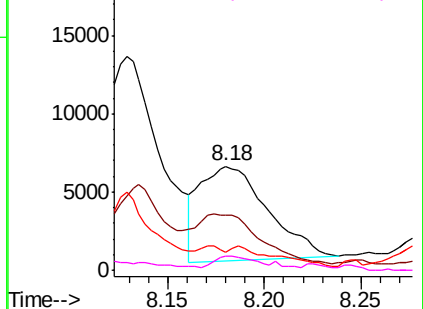
Abundance

Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

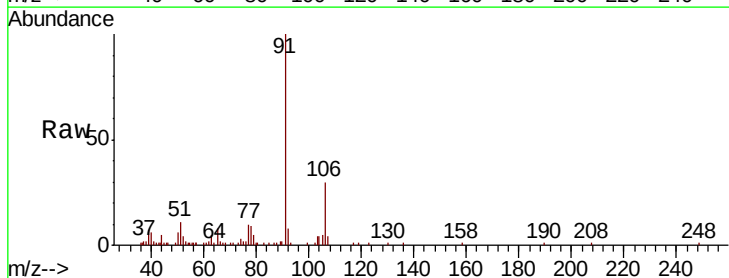
Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0



#52
Ethylbenzene
Concen: 0.259 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV013690.D
Acq: 20 Nov 2019 15:58

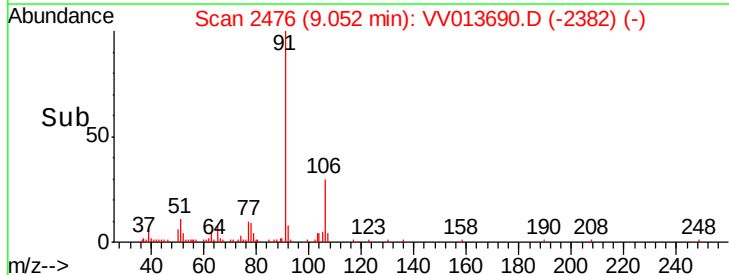
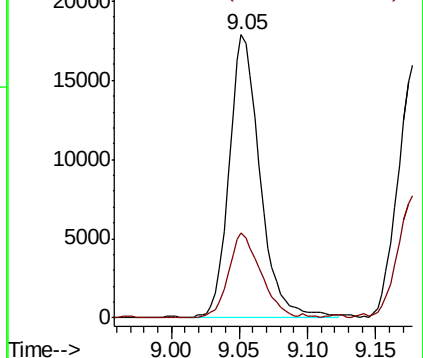
Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	21.7	40.3

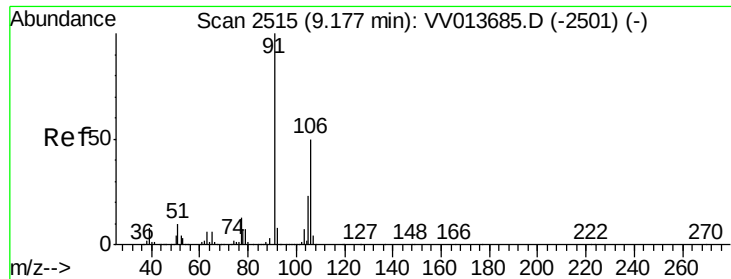


Abundance

Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): VV0





#53

m,p-xylene

Concen: 0.328 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013690.D

Acq: 20 Nov 2019 15:58

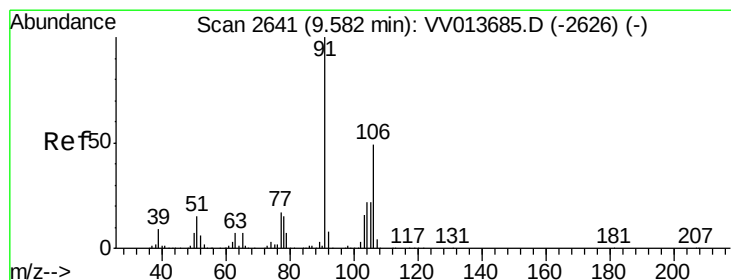
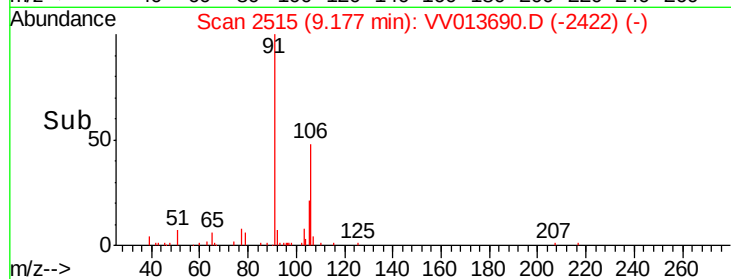
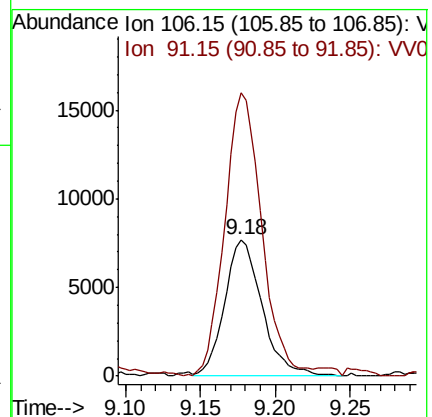
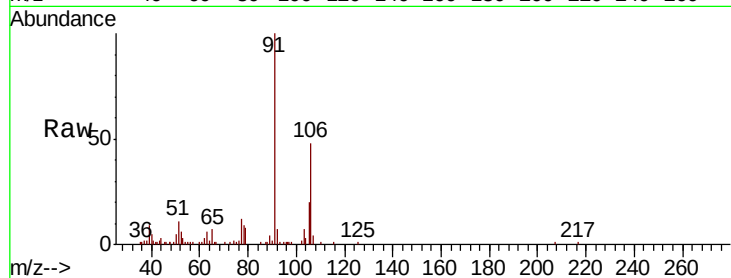
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 13482

Ion Ratio Lower Upper

106 100

91 207.5 138.1 256.5



#54

o-xylene

Concen: 0.135 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.01 min

Lab File: VV013690.D

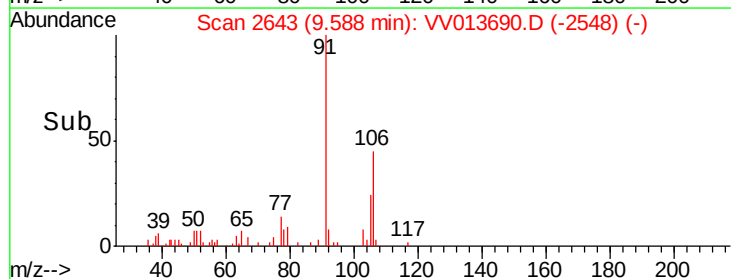
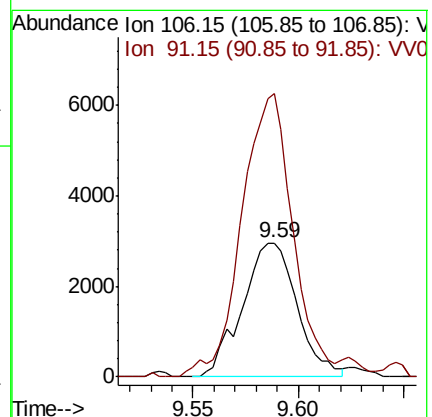
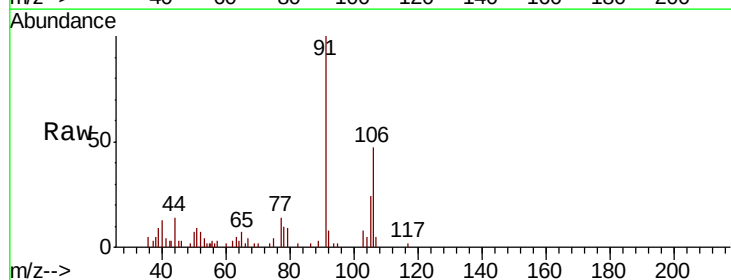
Acq: 20 Nov 2019 15:58

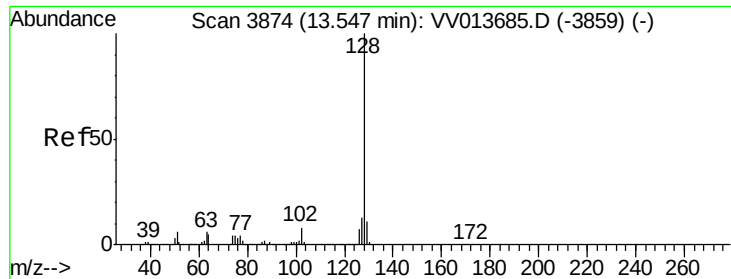
Tgt Ion:106 Resp: 5336

Ion Ratio Lower Upper

106 100

91 211.1 146.9 272.7





#69

Naphthalene

Concen: 0.168 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

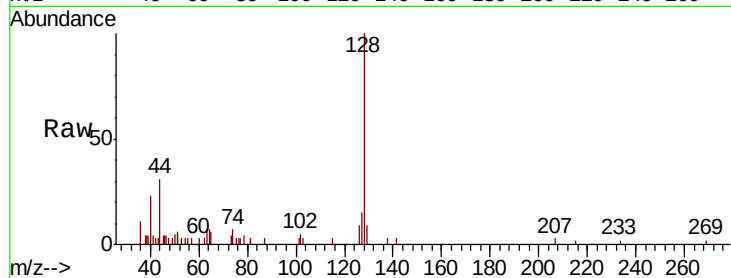
Lab File: VV013690.D

Acq: 20 Nov 2019 15:58

Instrument :

MSVOA_V

ClientSampleId :



Tot Ion:	128	Resp:	7609
Ion	Ratio	Lower	Upper
128	100		
129	12.9	8.6	13.0
127	16.0	10.4	15.6#

