

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112019\
 Data File : VV013689.D
 Acq On : 20 Nov 2019 15:34
 Operator : SY/MD
 Sample : K5911-06
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 00:54:23 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	337018	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	317986	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	139176	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	94744	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.58	69	94441	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.13	63	136868	3.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.40%
20) 2-Butanone-d5	3.92	46	334128	69.40	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	138.80%#
24) Chloroform-d	4.40	84	234226	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.08	65	125141	5.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.20%
32) Benzene-d6	5.10	84	454687	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.11	67	145173	5.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.80%
41) Toluene-d8	7.36	98	374239	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
43) trans-1,3-Dichloropropene-	7.66	79	47713	4.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.60%
46) 2-Hexanone-d5	8.13	63	223449	58.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.16%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	109325	5.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	145365	5.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

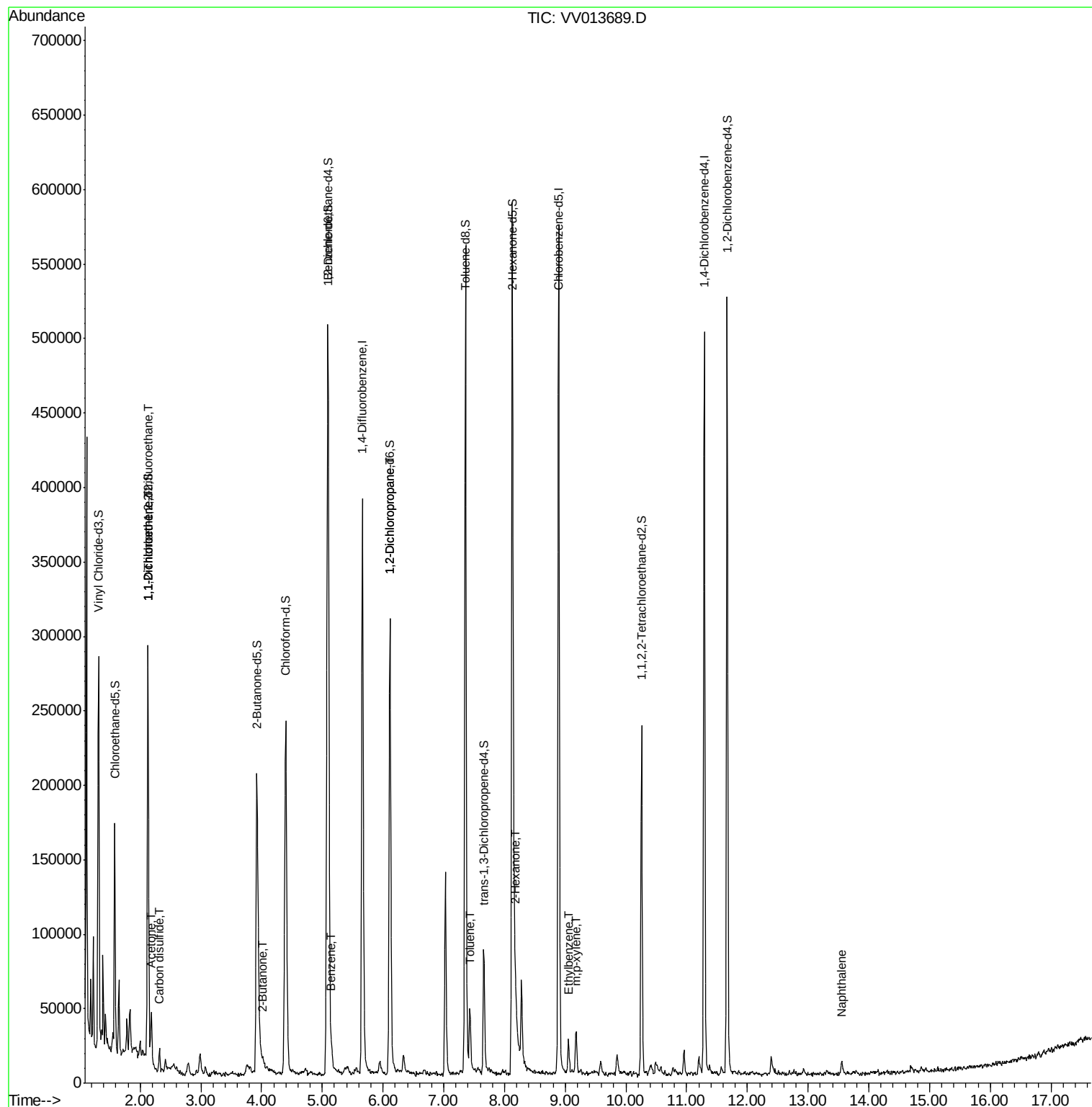
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1650	0.080	ug/L #	19
12) 1,1-Dichloroethene	2.13	96	1600	0.079	ug/L #	1
13) Acetone	2.19	43	29071	9.571	ug/L #	40
14) Carbon disulfide	2.32	76	16529	0.238	ug/L	97
21) 2-Butanone	4.03	43	7200	1.413	ug/L	99
33) Benzene	5.15	78	12589	0.131	ug/L	100
37) 1,2-Dichloropropane	6.12	63	16735	0.726	ug/L #	85
42) Toluene	7.43	91	30201	0.294	ug/L	98
48) 2-Hexanone	8.18	43	12572	1.322	ug/L #	87
52) Ethylbenzene	9.05	91	15821	0.144	ug/L	91
53) m,p-xylene	9.18	106	8996	0.218	ug/L	99
69) Naphthalene	13.55	128	7118	0.164	ug/L #	94

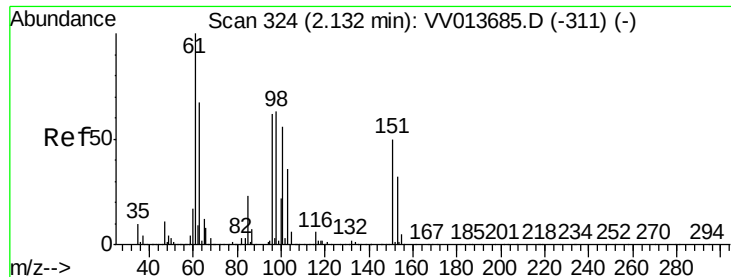
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.080 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013689.D

Acq: 20 Nov 2019 15:34

Instrument :

MSVOA_V

ClientSampled :

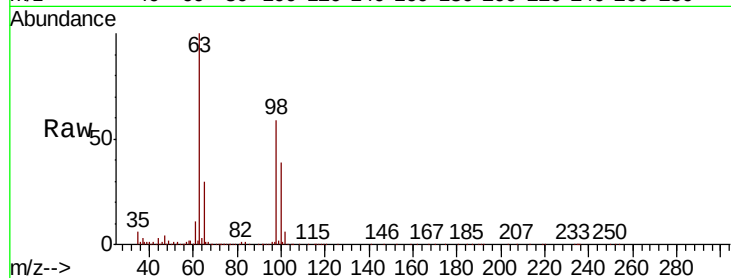
Tot Ion:101 Resp: 1650

Ion Ratio Lower Upper

101 100

85 4.5 32.0 48.0#

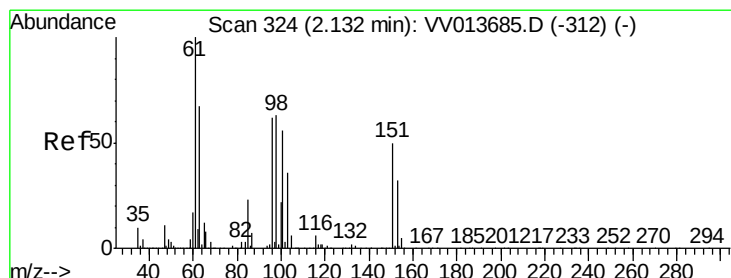
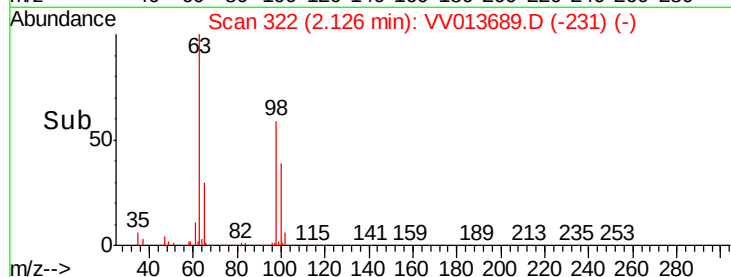
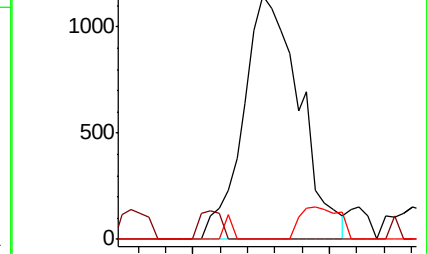
151 1.3 69.0 103.6#



Abundance Ion 101.00 (100.70 to 101.70): VV013689.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV013689.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV013689.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 0.079 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV013689.D

Acq: 20 Nov 2019 15:34

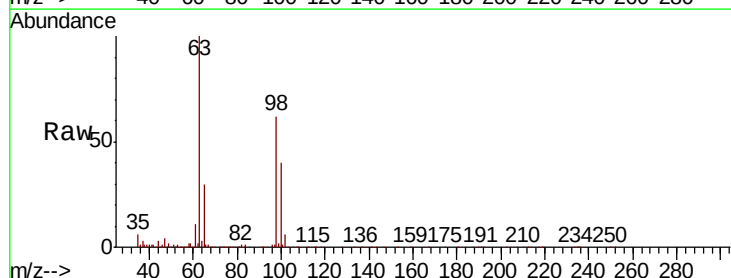
Tgt Ion: 96 Resp: 1600

Ion Ratio Lower Upper

96 100

61 1183.8 112.5 208.9#

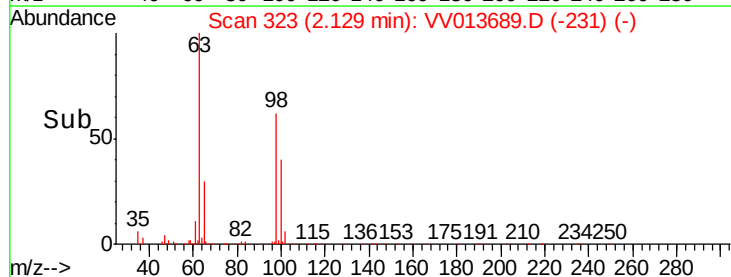
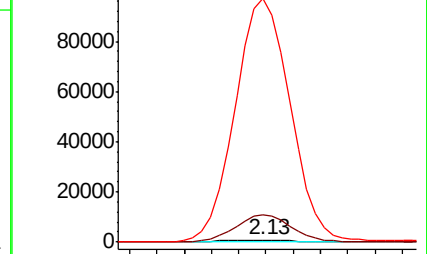
63 10430.9 76.9 142.7#

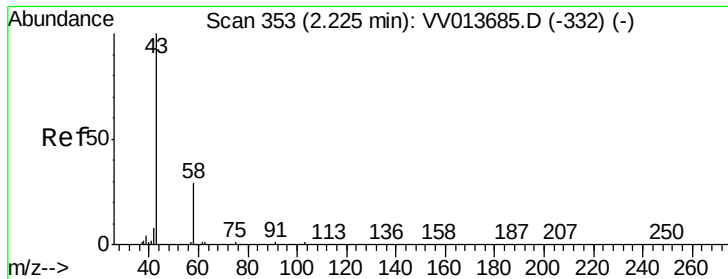


Abundance Ion 96.00 (95.70 to 96.70): VV013689.D (-231) (-)

Ion 61.05 (60.75 to 61.75): VV013689.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV013689.D (-231) (-)





#13

Acetone

Concen: 9.571 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.04 min

Lab File: VV013689.D

Acq: 20 Nov 2019 15:34

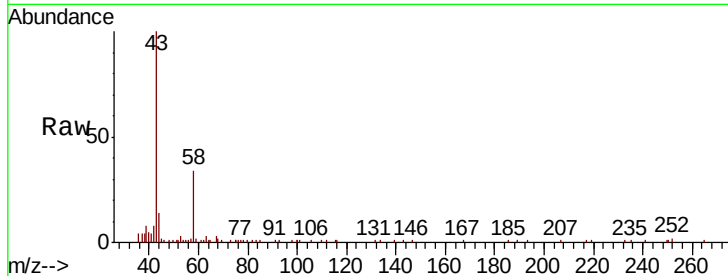
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 29071

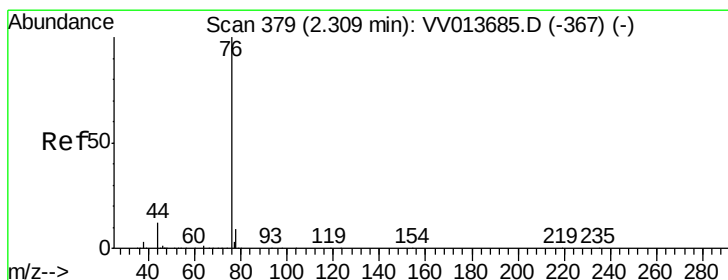
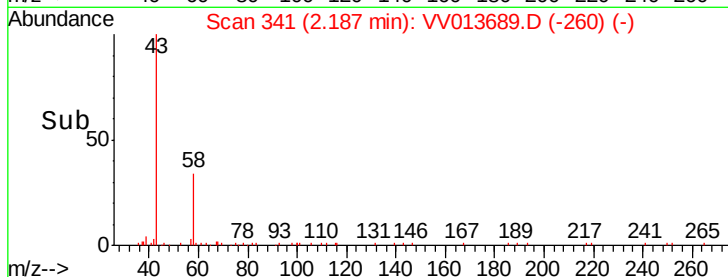
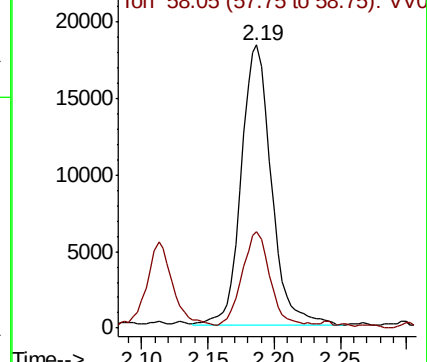
Ion Ratio Lower Upper

43 100

58 30.0 0.0 17.0#



Abundance Ion 43.05 (42.75 to 43.75): VV013689.D (-260) (-)



#14

Carbon disulfide

Concen: 0.238 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV013689.D

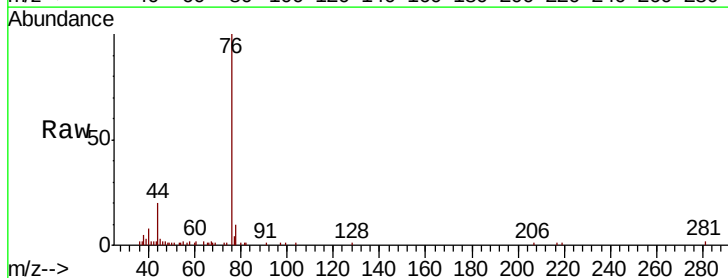
Acq: 20 Nov 2019 15:34

Tgt Ion: 76 Resp: 16529

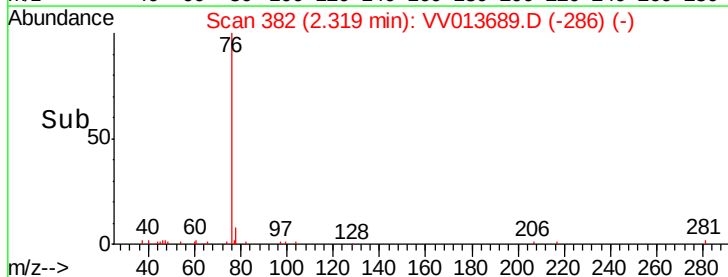
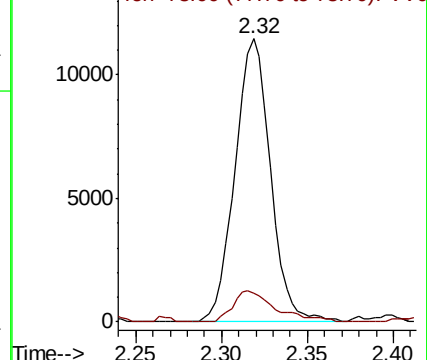
Ion Ratio Lower Upper

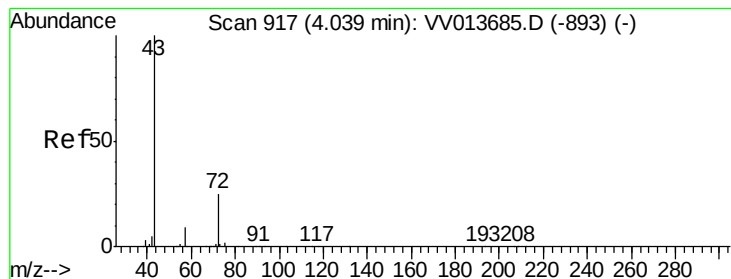
76 100

78 10.3 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV013689.D (-286) (-)





#21

2-Butanone

Concen: 1.413 ug/L

RT: 4.03 min Scan# 915

Delta R.T. -0.01 min

Lab File: VV013689.D

Acq: 20 Nov 2019 15:34

Instrument :

MSVOA_V

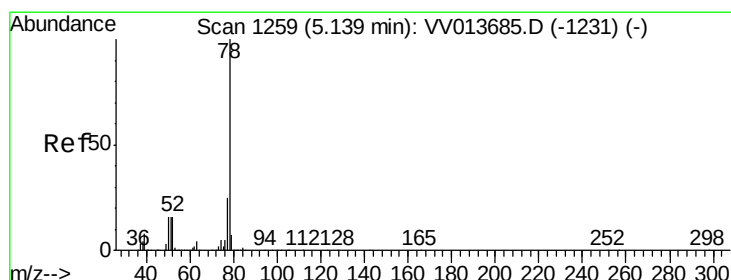
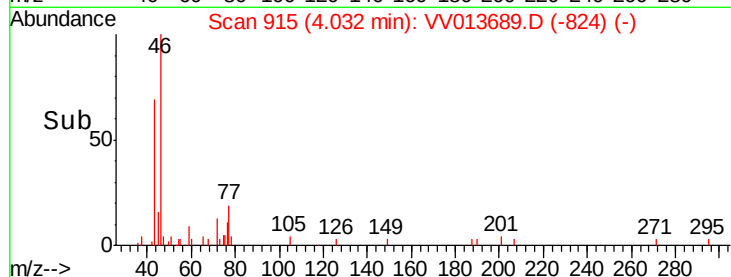
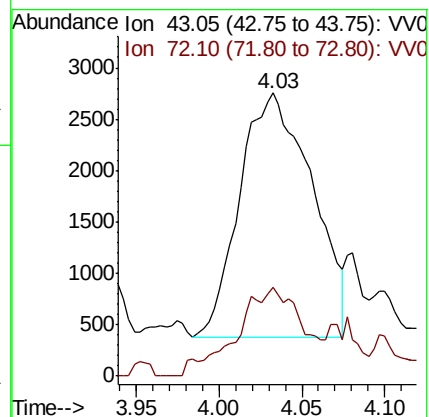
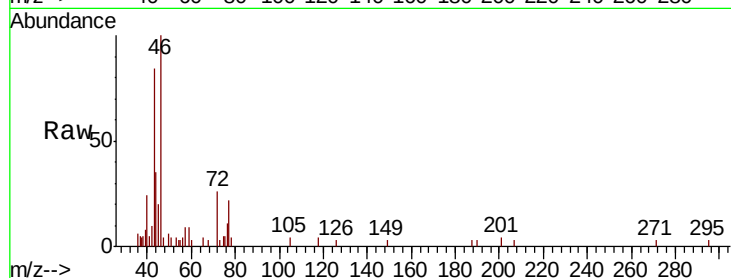
ClientSampleId :

Tot Ion: 43 Resp: 7200

Ion Ratio Lower Upper

43 100

72 22.7 11.6 34.8



#33

Benzene

Concen: 0.131 ug/L

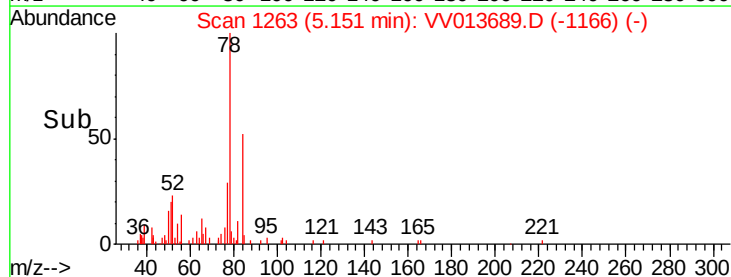
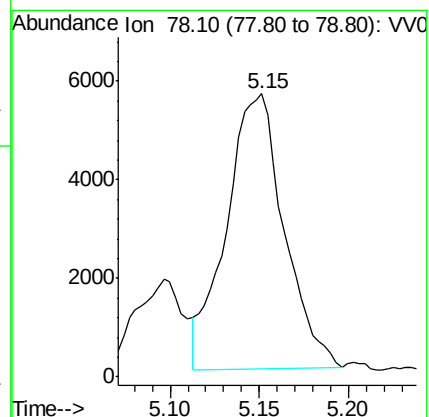
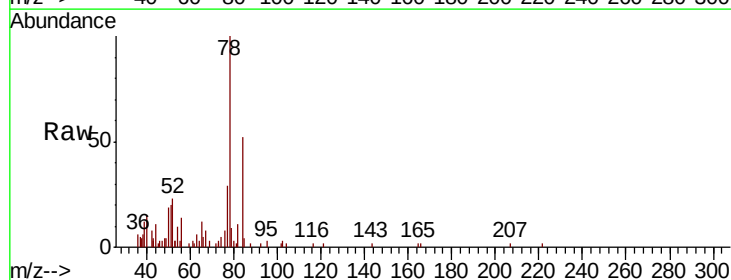
RT: 5.15 min Scan# 1263

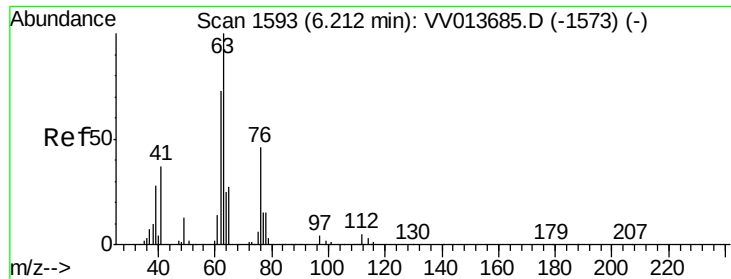
Delta R.T. 0.01 min

Lab File: VV013689.D

Acq: 20 Nov 2019 15:34

Tgt Ion: 78 Resp: 12589

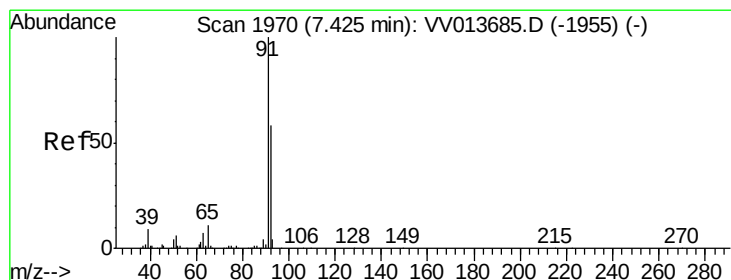
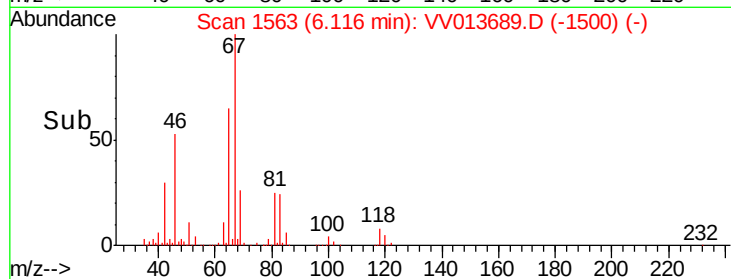
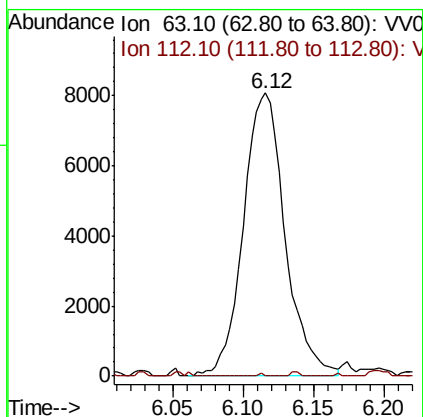
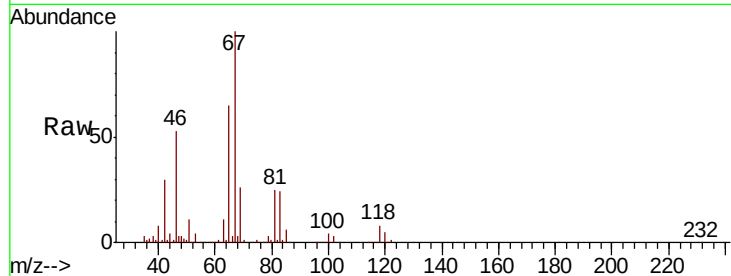




#37
 1,2-Dichloropropane
 Concen: 0.726 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV013689.D
 Acq: 20 Nov 2019 15:34

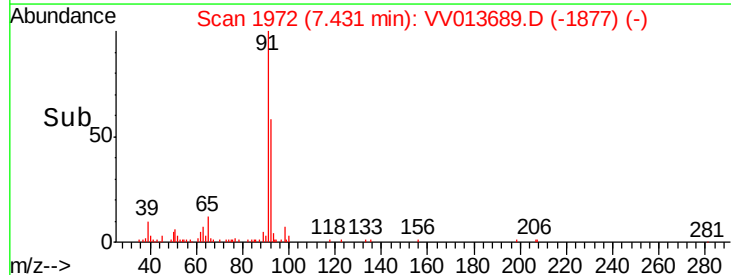
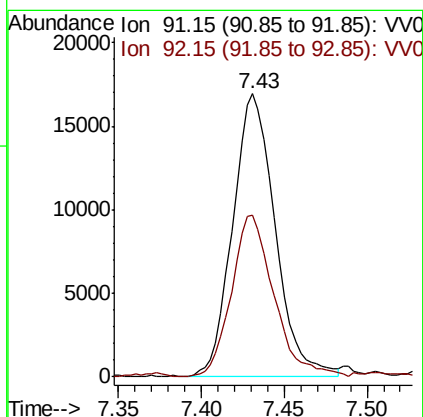
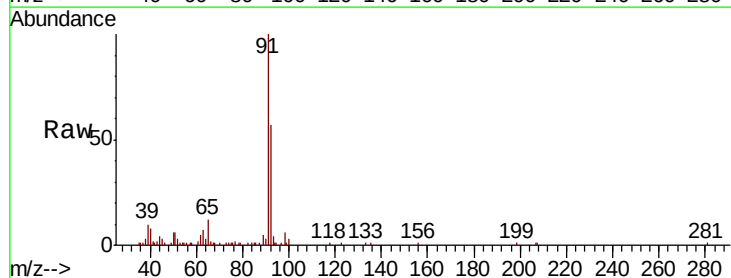
Instrument :
 MSVOA_V
 ClientSampleId :

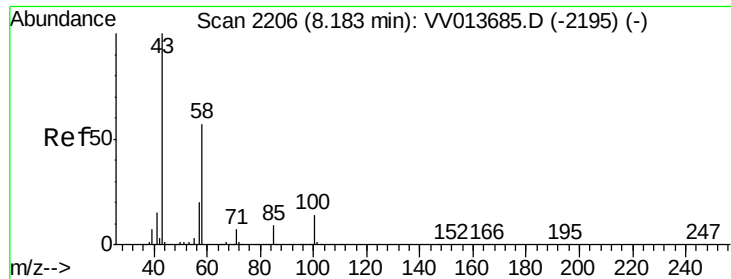
Tot Ion: 63 Resp: 16735
 Ion Ratio Lower Upper
 63 100
 112 0.1 4.1 6.1#



#42
 Toluene
 Concen: 0.294 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VV013689.D
 Acq: 20 Nov 2019 15:34

Tgt Ion: 91 Resp: 30201
 Ion Ratio Lower Upper
 91 100
 92 57.2 41.2 76.6

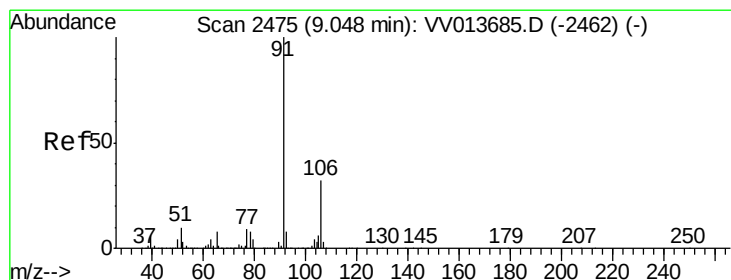
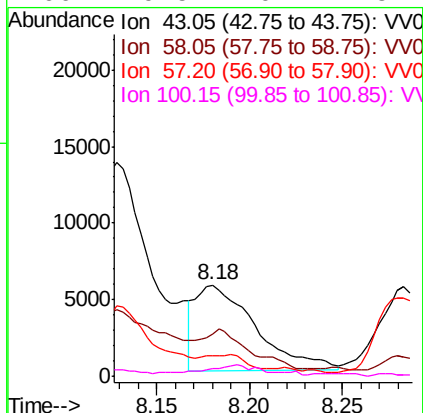
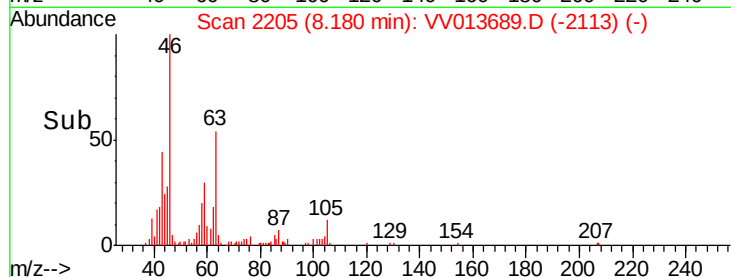
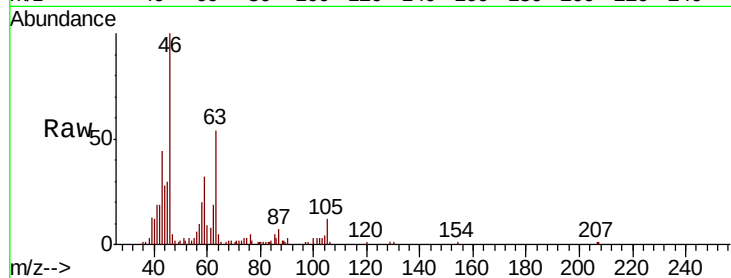




#48
2-Hexanone
Concen: 1.322 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV013689.D
Acq: 20 Nov 2019 15:34

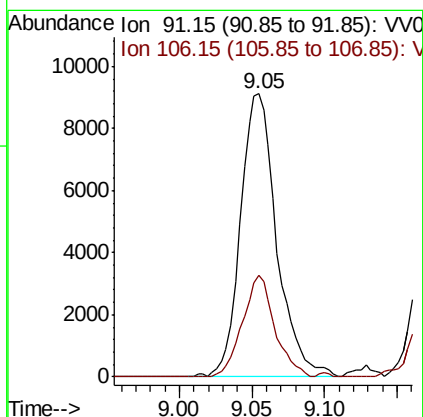
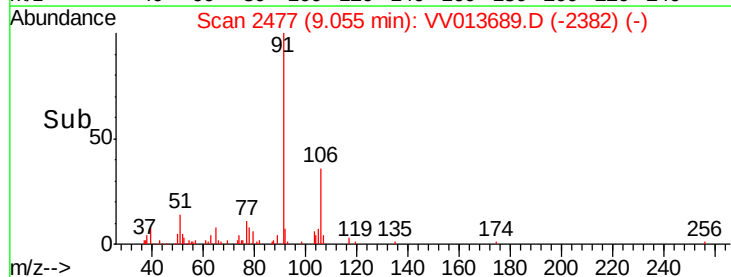
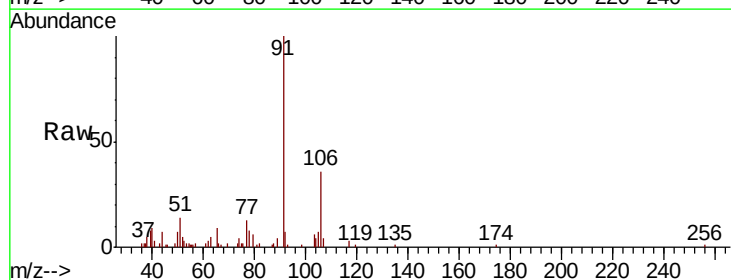
Instrument :
MSVOA_V
ClientSampleId :

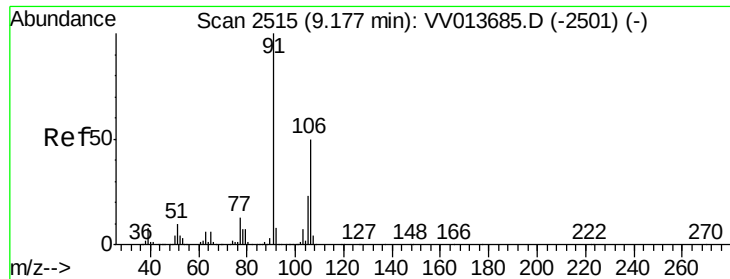
Tot Ion: 43 Resp: 12572
Ion Ratio Lower Upper
43 100
58 45.4 43.0 64.6
57 11.1 15.4 23.2#
100 9.5 10.1 15.1#



#52
Ethylbenzene
Concen: 0.144 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.01 min
Lab File: VV013689.D
Acq: 20 Nov 2019 15:34

Tgt Ion: 91 Resp: 15821
Ion Ratio Lower Upper
91 100
106 35.7 21.7 40.3





#53

m,p-xylene

Concen: 0.218 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013689.D

Acq: 20 Nov 2019 15:34

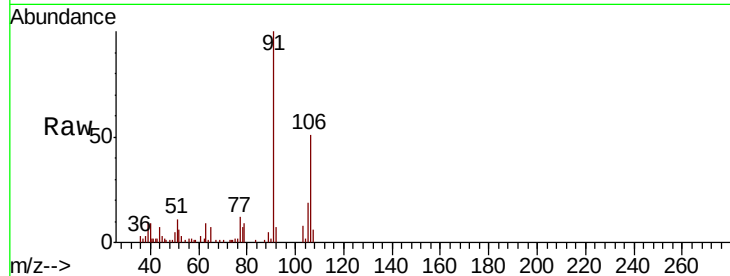
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 8996

Ion Ratio Lower Upper

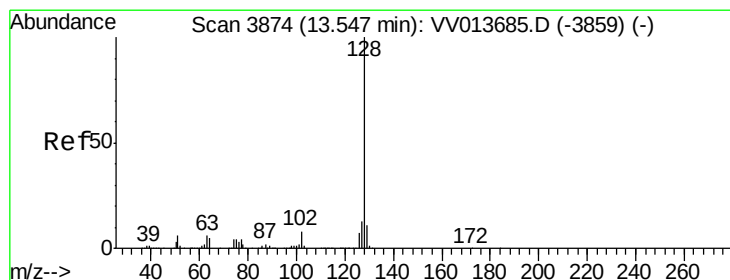
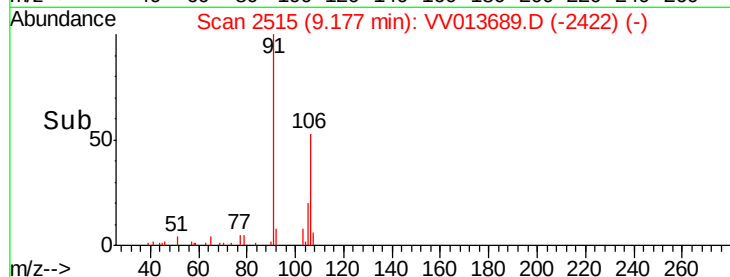
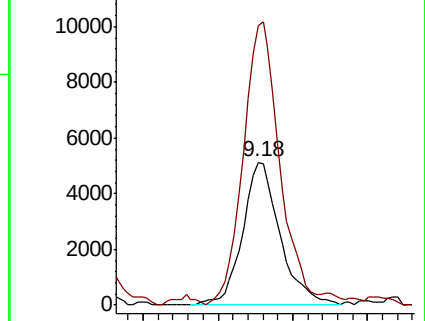
106 100

91 195.3 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#69

Naphthalene

Concen: 0.164 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013689.D

Acq: 20 Nov 2019 15:34

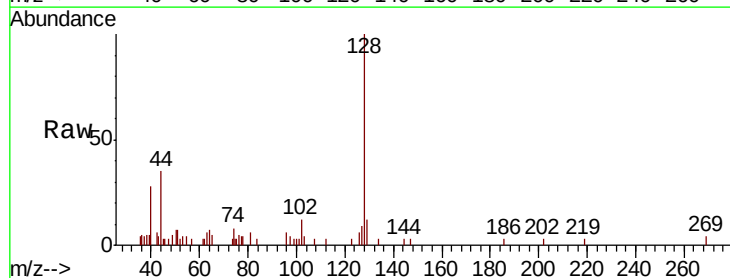
Tgt Ion:128 Resp: 7118

Ion Ratio Lower Upper

128 100

129 6.9 8.6 13.0#

127 13.8 10.4 15.6



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

