

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112019\
 Data File : VV013687.D
 Acq On : 20 Nov 2019 14:46
 Operator : SY/MD
 Sample : K5910-22
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 00:54:04 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	324418	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	317288	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	143034	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	137040	6.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	136.80%#
7) Chloroethane-d5	1.58	69	123466	6.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	138.00%#
11) 1,1-Dichloroethene-d2	2.13	63	184967	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.00%
20) 2-Butanone-d5	3.96	46	278811	60.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.32%
24) Chloroform-d	4.39	84	269899	6.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	121.80%
26) 1,2-Dichloroethane-d4	5.07	65	132072	6.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	124.00%
32) Benzene-d6	5.09	84	540059	6.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	122.20%
36) 1,2-Dichloropropane-d6	6.11	67	162797	6.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	124.60%
41) Toluene-d8	7.35	98	460726	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.20%
43) trans-1,3-Dichloropropene-	7.66	79	53886	5.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.20%
46) 2-Hexanone-d5	8.14	63	188758	49.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.18%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	109042	5.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	176168	6.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	128.00%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2524	0.126	ug/L #	28
12) 1,1-Dichloroethene	2.13	96	2003	0.103	ug/L #	1
15) Methyl Acetate	2.52	43	7507	0.906	ug/L #	54
16) Methylene chloride	2.53	84	5469	0.203	ug/L	94
33) Benzene	5.14	78	9105	0.095	ug/L	100
35) Methylcyclohexane	6.11	83	39448	1.006	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	18442	0.802	ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	3872	0.117	ug/L #	55
42) Toluene	7.43	91	15369	0.150	ug/L	98
44) trans-1,3-Dichloropropene	7.66	75	2459	0.094	ug/L	99
48) 2-Hexanone	8.19	43	11170	1.177	ug/L #	80
52) Ethylbenzene	9.05	91	32791	0.300	ug/L	100
53) m,p-xylene	9.18	106	32040	0.777	ug/L	95
54) o-xylene	9.59	106	7854	0.198	ug/L	89
69) Naphthalene	13.55	128	5119	0.115	ug/L #	76

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112019\
Data File : VV013687.D
Acq On : 20 Nov 2019 14:46
Operator : SY/MD
Sample : K5910-22
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Nov 21 00:54:04 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

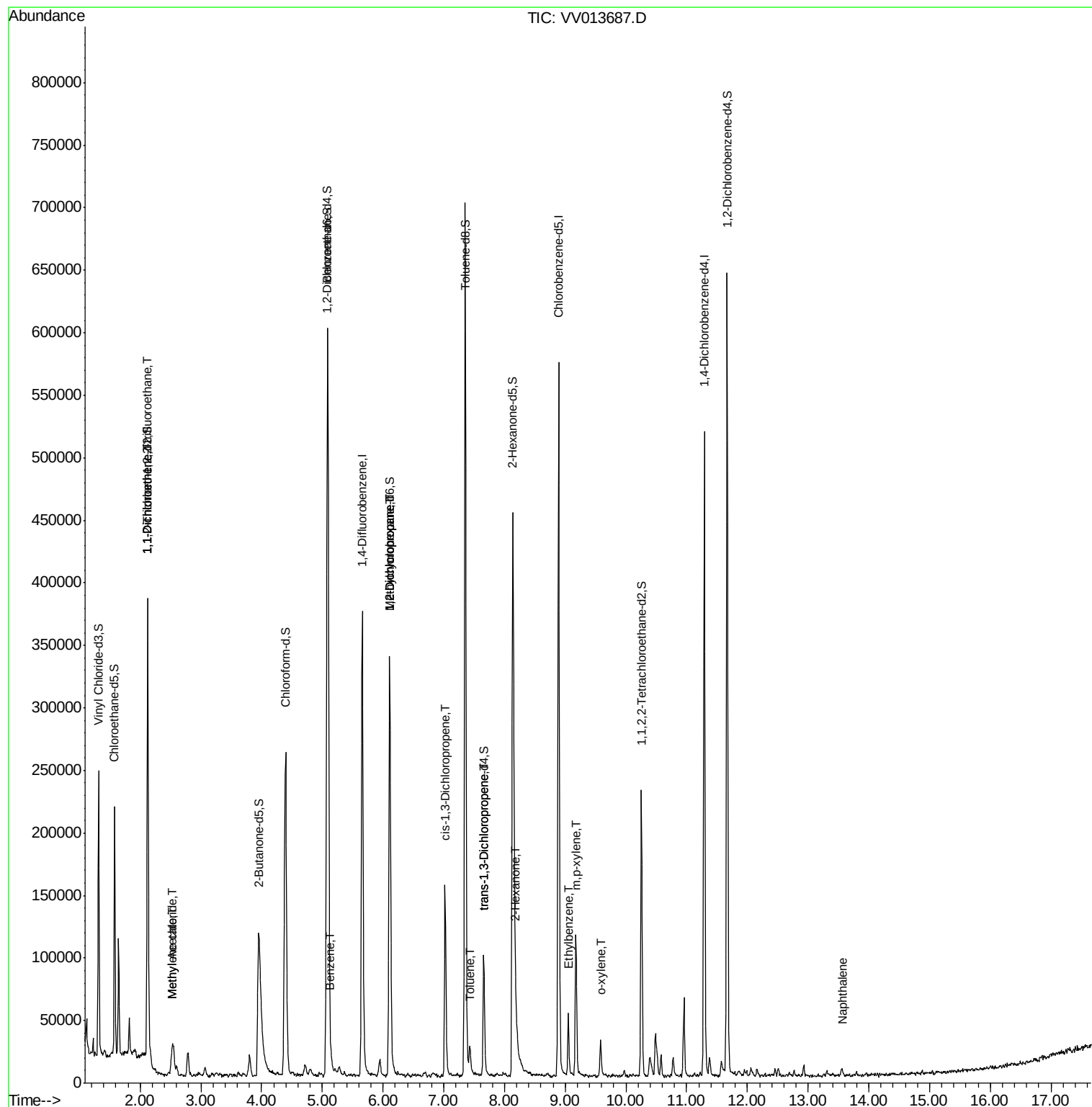
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

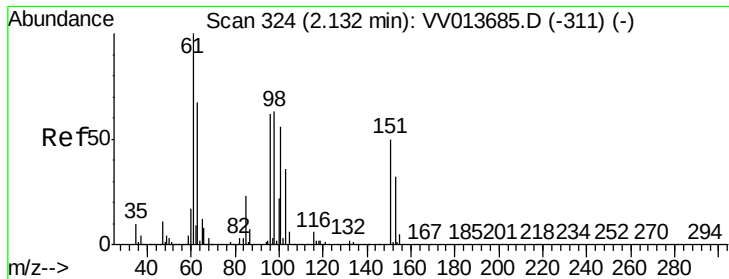
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV112019\
Data File : VV013687.D
Acq On : 20 Nov 2019 14:46
Operator : SY/MD
Sample : K5910-22
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Nov 21 00:54:04 2019
Quant Method : Z:\V0ASRV\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





#10

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

Concen: 0.126 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV013687.D

Acq: 20 Nov 2019 14:46

Instrument :

MSVOA_V

ClientSampleId :

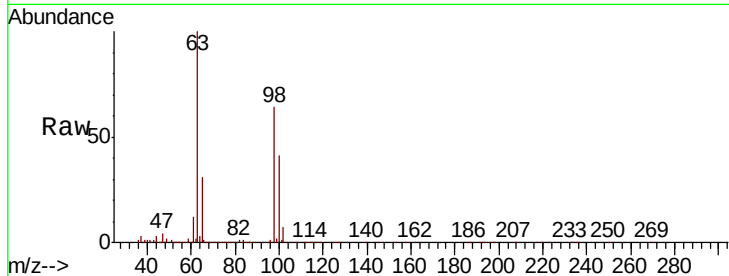
Tot Ion:101 Resp: 2524

Ion Ratio Lower Upper

101 100

85 16.1 32.0 48.0#

151 6.1 69.0 103.6#

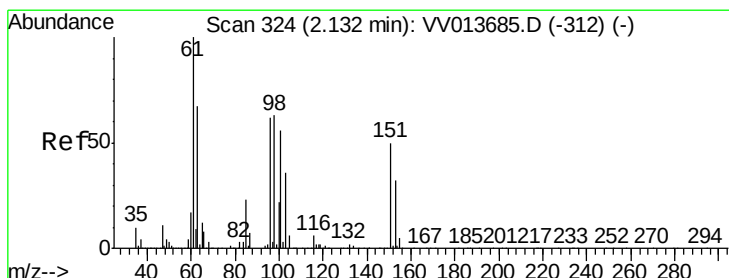
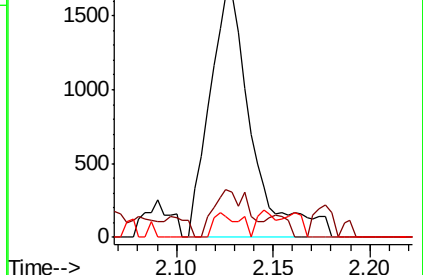
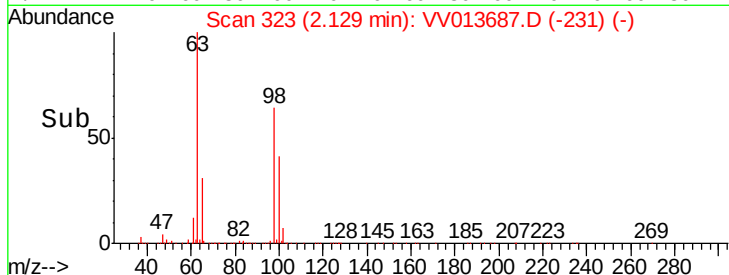


Abundance Ion 101.00 (100.70 to 101.70): VV013687.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV013687.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV013687.D (-311) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 0.103 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV013687.D

Acq: 20 Nov 2019 14:46

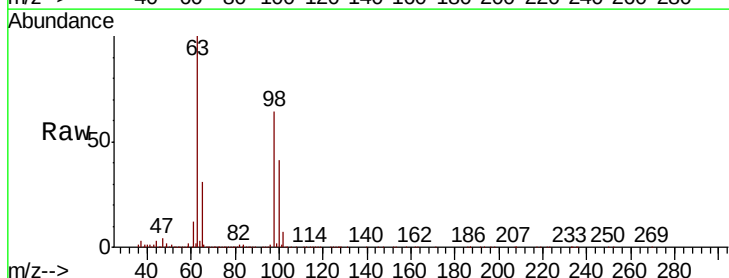
Tgt Ion: 96 Resp: 2003

Ion Ratio Lower Upper

96 100

61 1176.9 112.5 208.9#

63 9573.4 76.9 142.7#

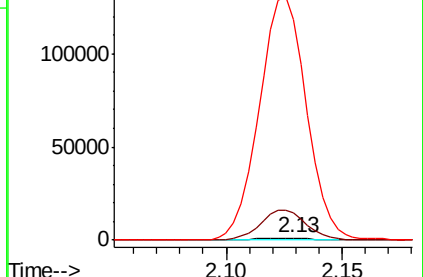
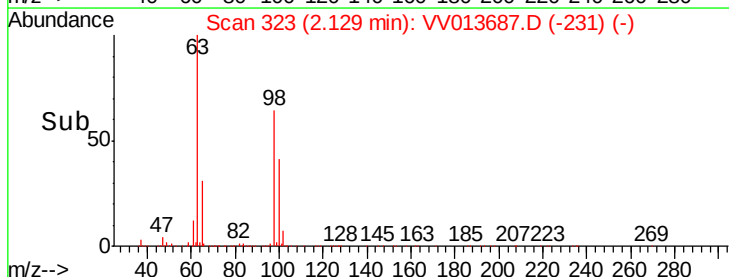


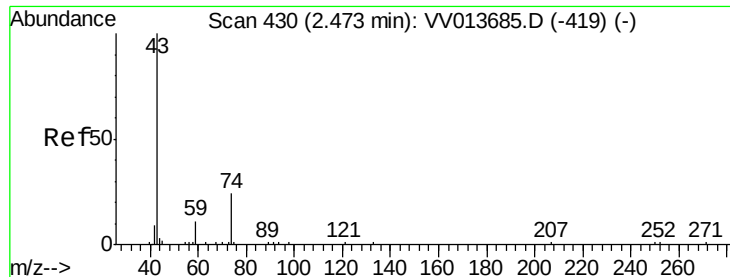
Abundance Ion 96.00 (95.70 to 96.70): VV013687.D (-312) (-)

Ion 61.05 (60.75 to 61.75): VV013687.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV013687.D (-312) (-)

Time-->

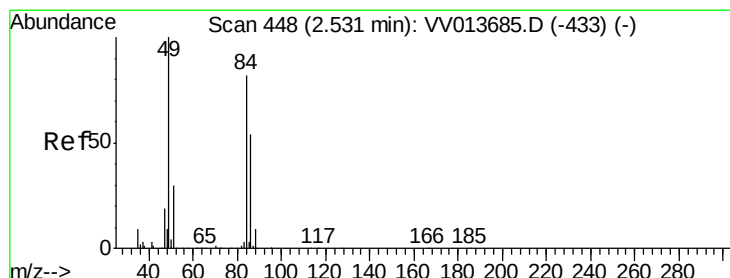
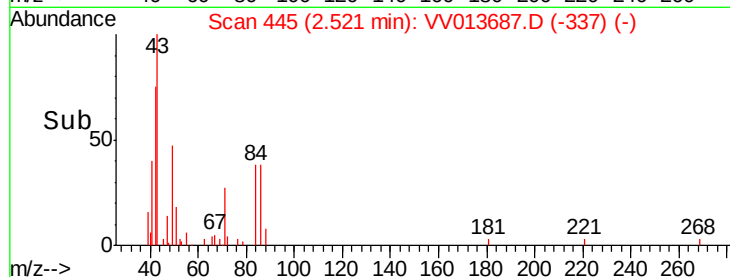
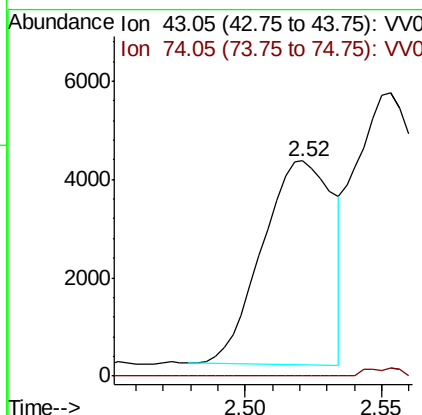
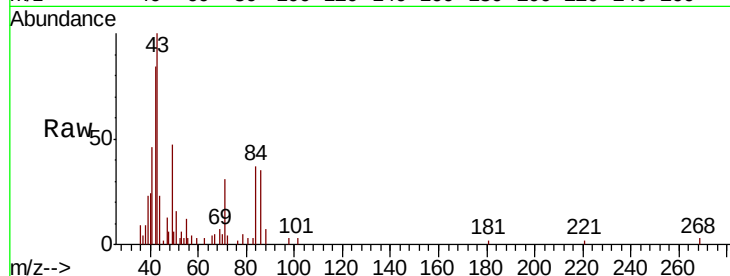




#15
Methyl Acetate
Concen: 0.906 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.05 min
Lab File: VV013687.D
Acq: 20 Nov 2019 14:46

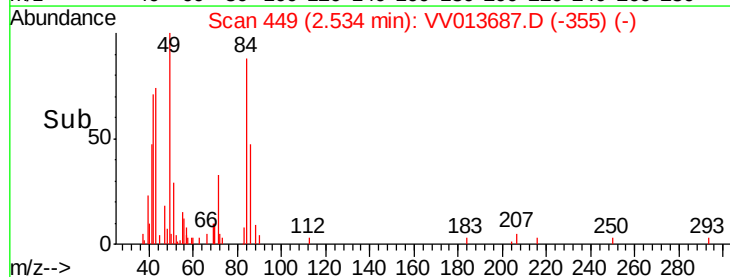
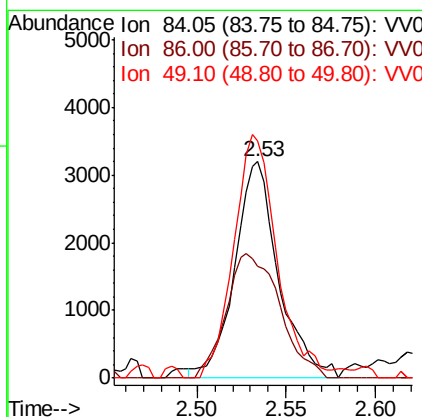
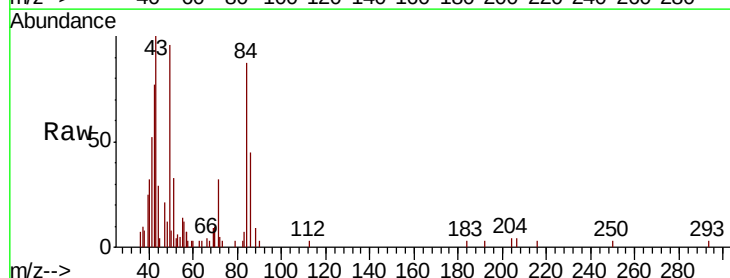
Instrument :
MSVOA_V
ClientSampleId :

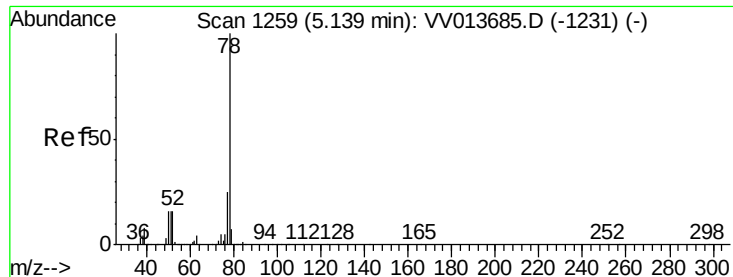
Tot Ion: 43 Resp: 7507
Ion Ratio Lower Upper
43 100
74 1.1 18.9 28.3#



#16
Methylene chloride
Concen: 0.203 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013687.D
Acq: 20 Nov 2019 14:46

Tgt Ion: 84 Resp: 5469
Ion Ratio Lower Upper
84 100
86 51.4 44.1 81.9
49 118.3 83.4 155.0





#33

Benzene

Concen: 0.095 ug/L

RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VV013687.D

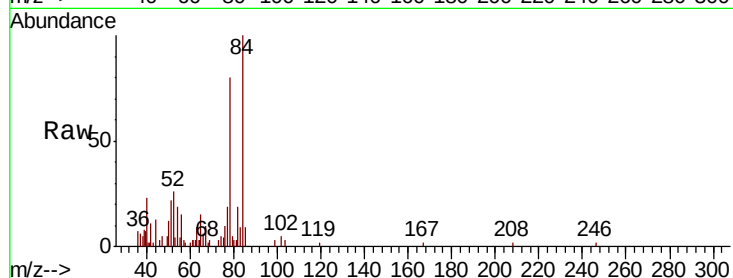
Acq: 20 Nov 2019 14:46

Instrument :

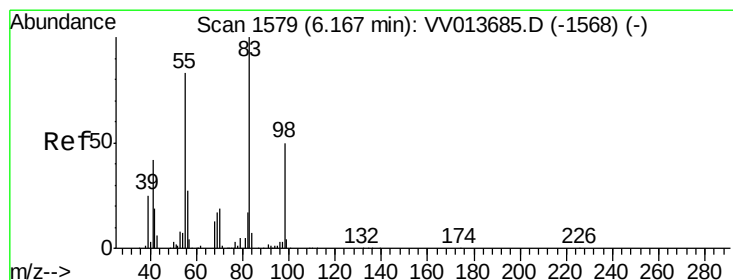
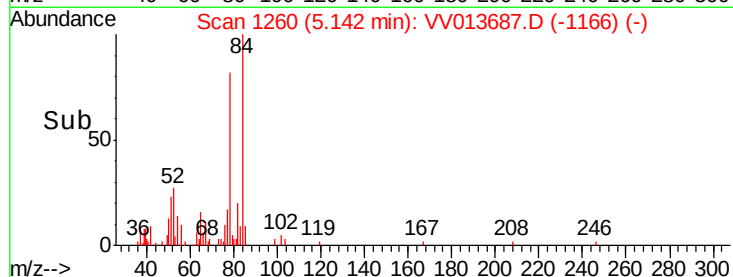
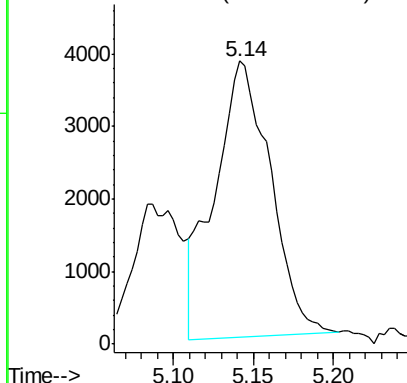
MSVOA_V

ClientSampled :

Tgt Ion: 78 Resp: 9105



Abundance Ion 78.10 (77.80 to 78.80): VV0



#35

Methylcyclohexane

Concen: 1.006 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.05 min

Lab File: VV013687.D

Acq: 20 Nov 2019 14:46

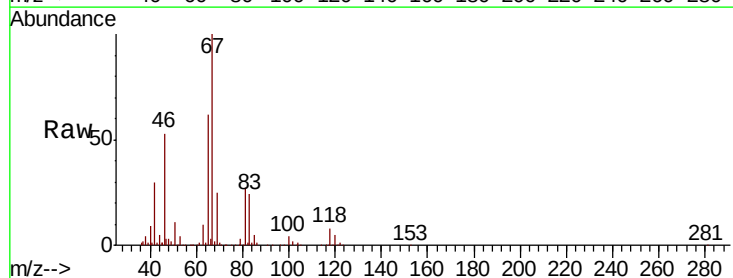
Tgt Ion: 83 Resp: 39448

Ion Ratio Lower Upper

83 100

55 0.1 64.1 96.1#

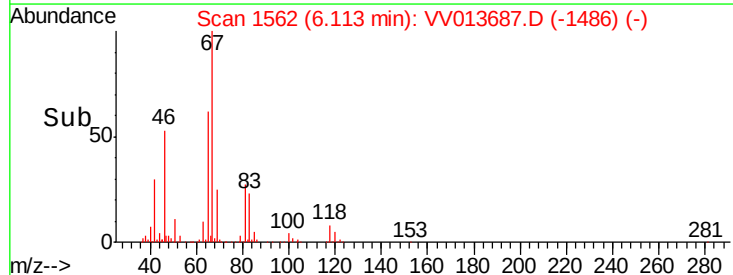
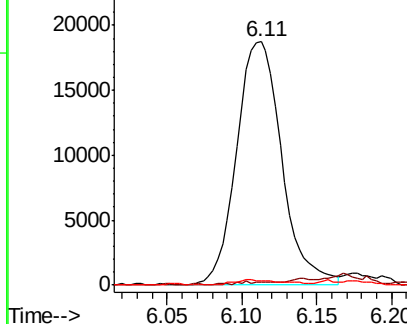
98 0.0 38.2 57.2#

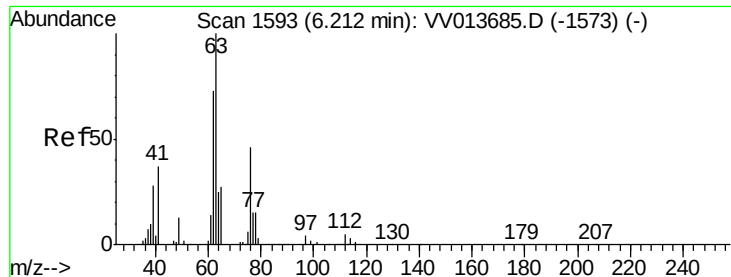


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.802 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013687.D

Acq: 20 Nov 2019 14:46

Instrument :

MSVOA_V

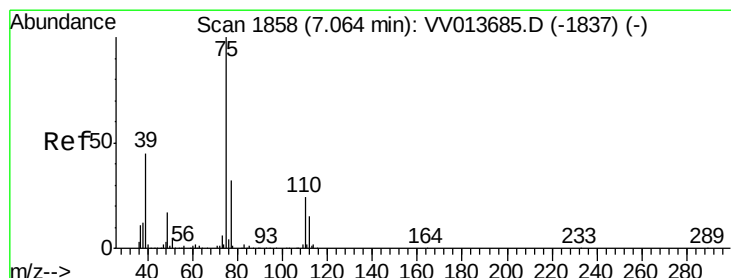
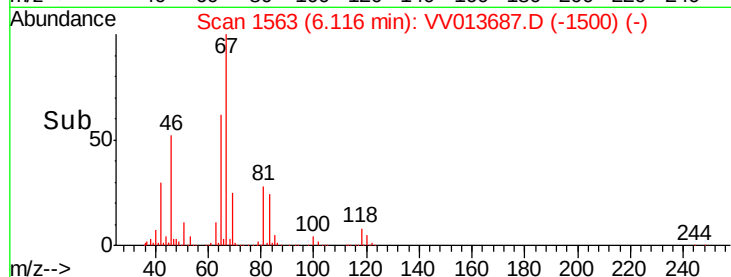
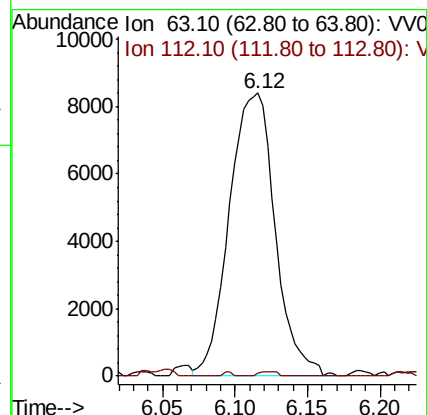
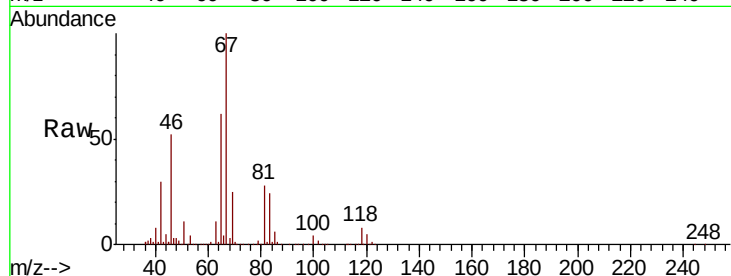
ClientSampleId :

Tot Ion: 63 Resp: 18442

Ion Ratio Lower Upper

63 100

112 0.7 4.1 6.1#



#39

cis-1,3-Dichloropropene

Concen: 0.117 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV013687.D

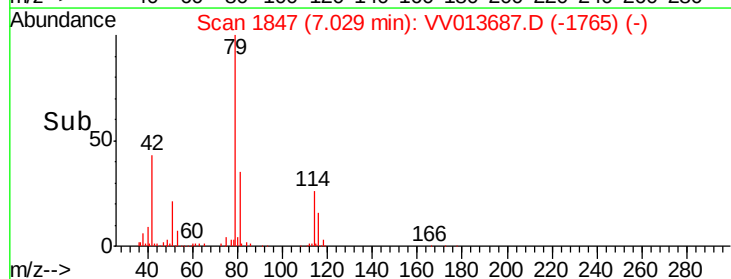
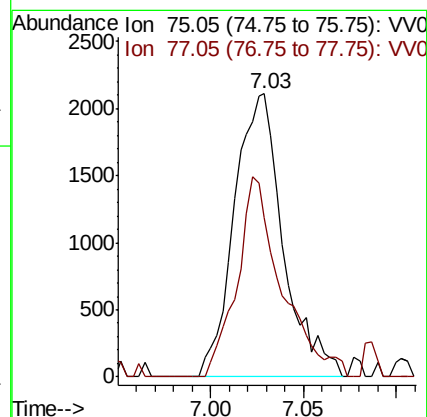
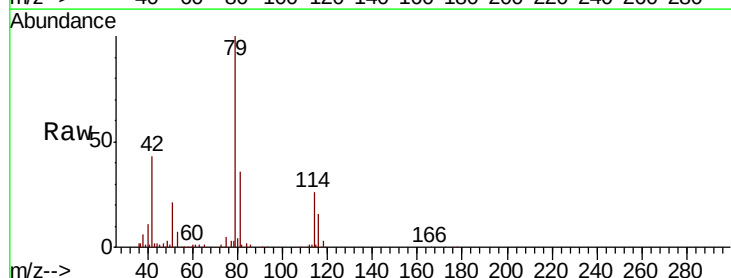
Acq: 20 Nov 2019 14:46

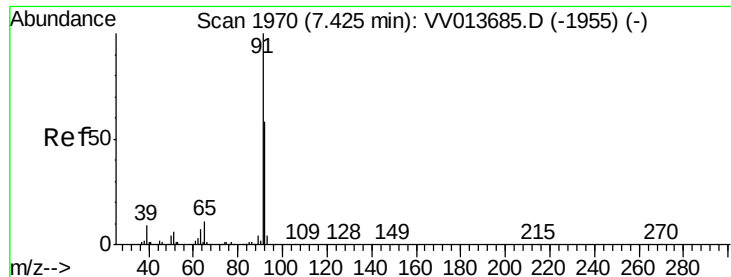
Tgt Ion: 75 Resp: 3872

Ion Ratio Lower Upper

75 100

77 56.2 22.0 40.8#





#42

Toluene

Concen: 0.150 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VV013687.D

Acq: 20 Nov 2019 14:46

Instrument :

MSVOA_V

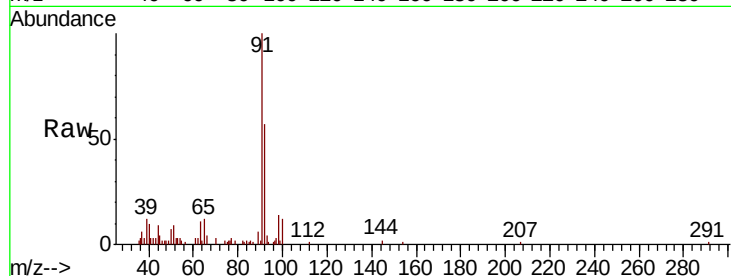
ClientSampleId :

Tot Ion: 91 Resp: 15369

Ion Ratio Lower Upper

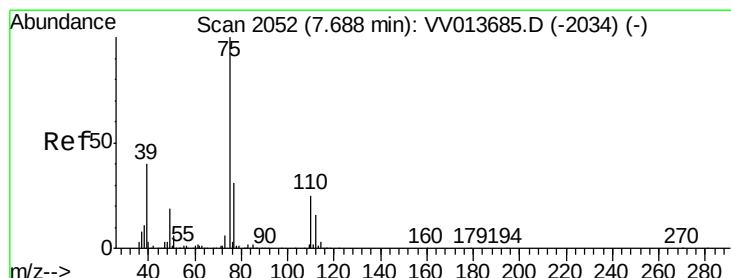
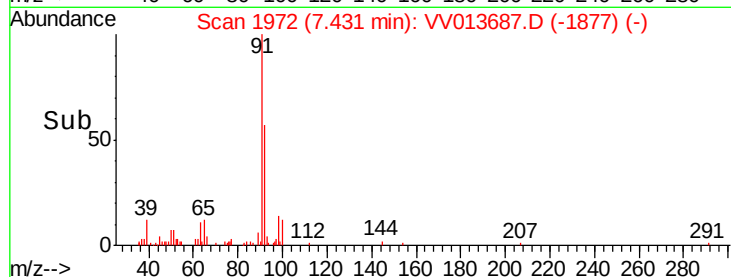
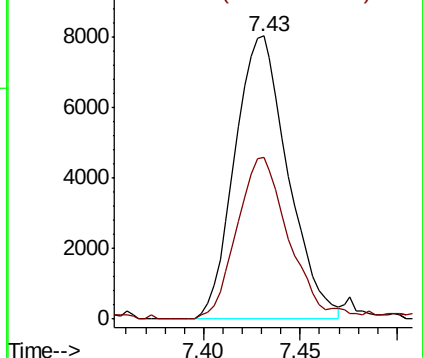
91 100

92 57.1 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.66 min Scan# 2042

Delta R.T. -0.03 min

Lab File: VV013687.D

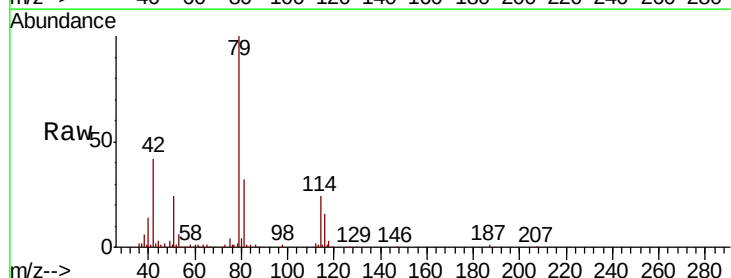
Acq: 20 Nov 2019 14:46

Tgt Ion: 75 Resp: 2459

Ion Ratio Lower Upper

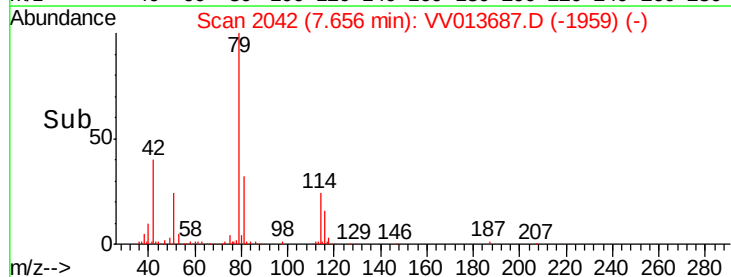
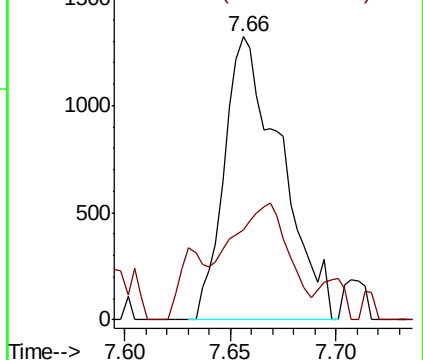
75 100

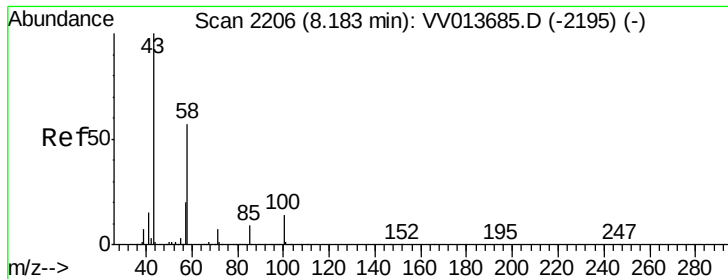
77 31.6 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

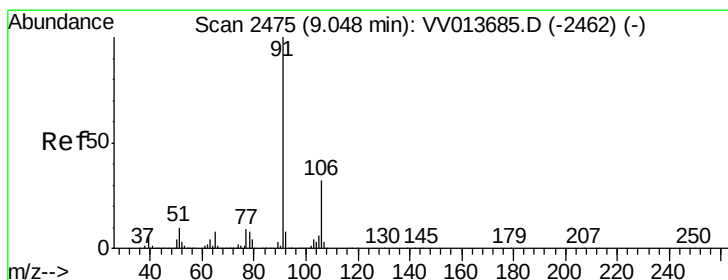
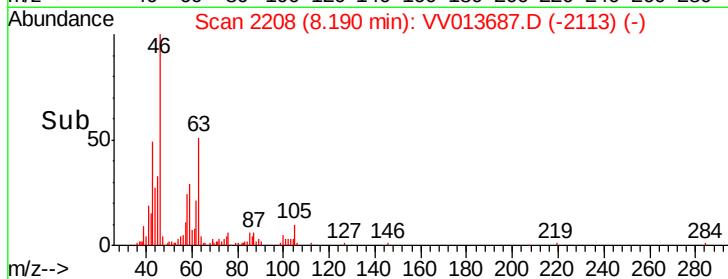
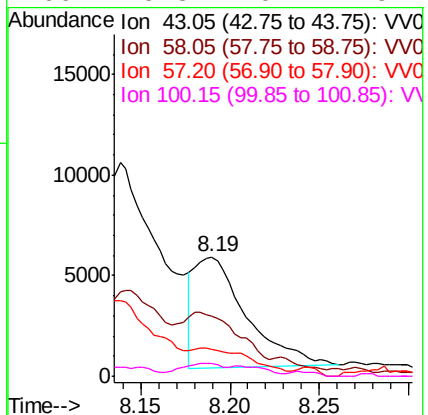
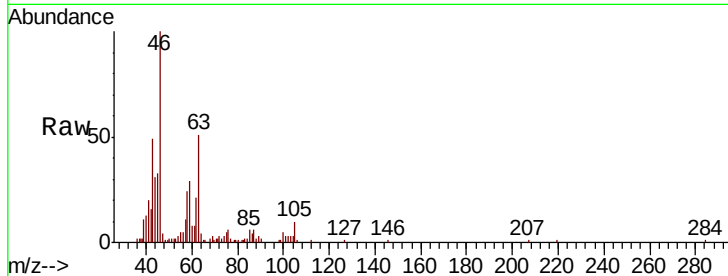




#48
2-Hexanone
Concen: 1.177 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV013687.D
Acq: 20 Nov 2019 14:46

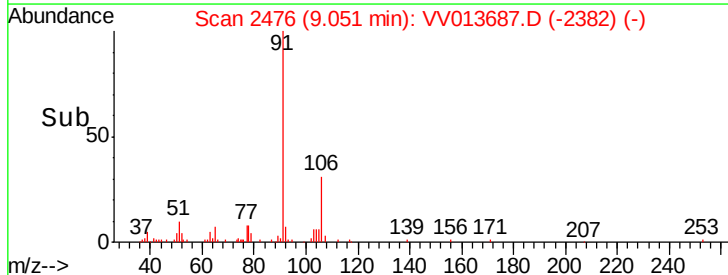
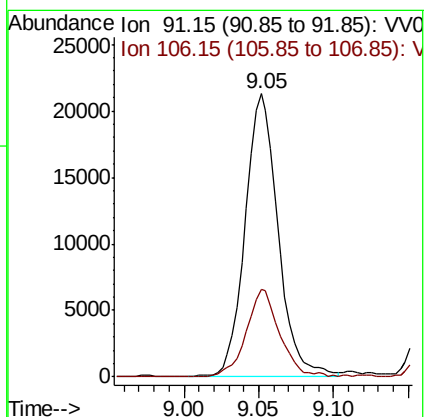
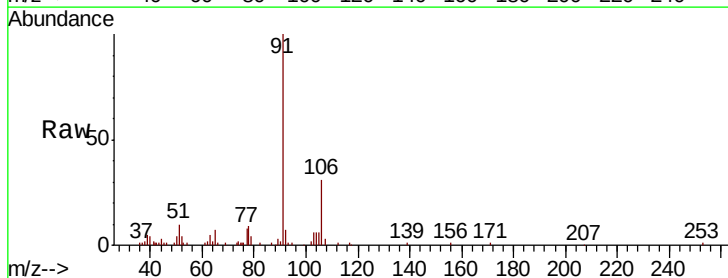
Instrument :
MSVOA_V
ClientSampleId :

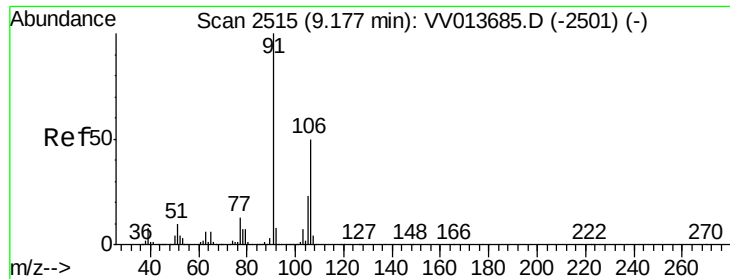
Tot Ion: 43 Resp: 11170
Ion Ratio Lower Upper
43 100
58 45.3 43.0 64.6
57 0.0 15.4 23.2#
100 5.3 10.1 15.1#



#52
Ethylbenzene
Concen: 0.300 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV013687.D
Acq: 20 Nov 2019 14:46

Tgt Ion: 91 Resp: 32791
Ion Ratio Lower Upper
91 100
106 31.0 21.7 40.3





#53

m,p-xylene

Concen: 0.777 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013687.D

Acq: 20 Nov 2019 14:46

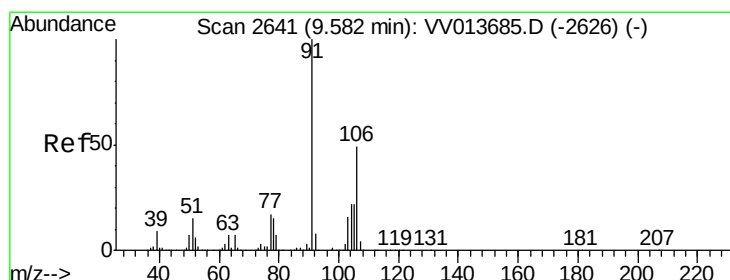
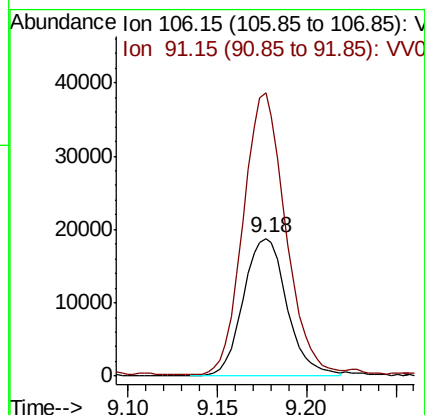
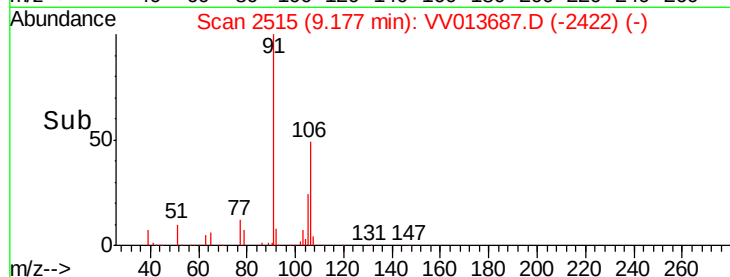
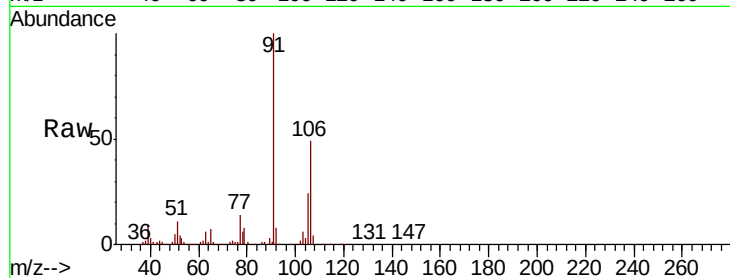
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 32040

Ion Ratio Lower Upper

106 100

91 205.4 138.1 256.5



#54

o-xylene

Concen: 0.198 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013687.D

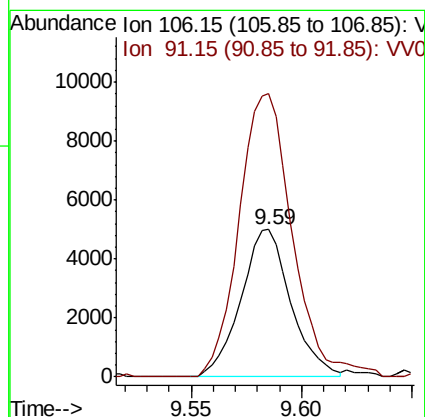
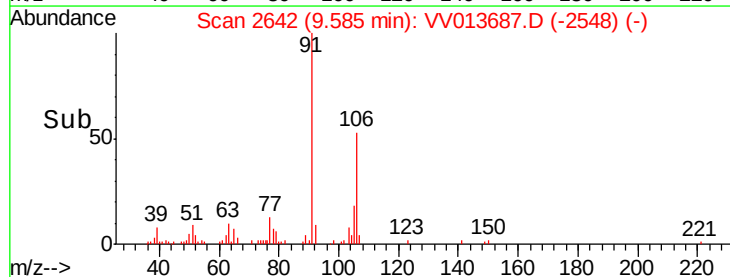
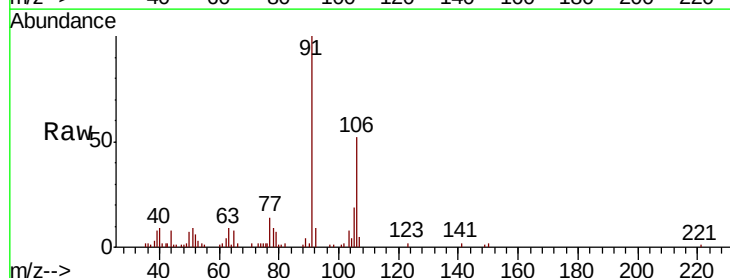
Acq: 20 Nov 2019 14:46

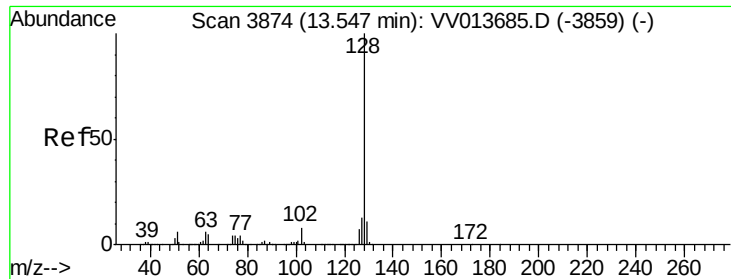
Tgt Ion:106 Resp: 7854

Ion Ratio Lower Upper

106 100

91 192.3 146.9 272.7





#69

Naphthalene

Concen: 0.115 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013687.D

Acq: 20 Nov 2019 14:46

Instrument :

MSVOA_V

ClientSampleId :

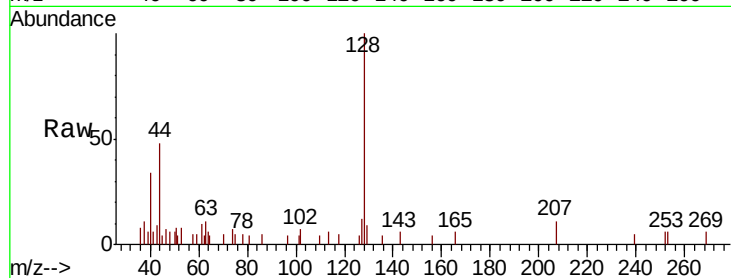
Tot Ion:128 Resp: 5119

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

127 4.8 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

