

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112019\
 Data File : VV013688.D
 Acq On : 20 Nov 2019 15:10
 Operator : SY/MD
 Sample : K5910-21DL 100X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 00:54:13 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	342217	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	318667	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	169719	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	97055	4.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.80%
7) Chloroethane-d5	1.58	69	95343	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.00%
11) 1,1-Dichloroethene-d2	2.13	63	137431	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	3.96	46	303575	62.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.20%
24) Chloroform-d	4.40	84	240502	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.08	65	124671	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.00%
32) Benzene-d6	5.10	84	474082	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
36) 1,2-Dichloropropane-d6	6.12	67	149004	5.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.60%
41) Toluene-d8	7.36	98	404500	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	7.66	79	52726	5.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.40%
46) 2-Hexanone-d5	8.14	63	220896	57.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.56%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	105702	5.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	184646	5.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.00%

Target Compounds

					Ovalue
13) Acetone	2.15	43	47574	15.424 ug/L	95
15) Methyl Acetate	2.45	43	6168	0.706 ug/L #	55
16) Methylene chloride	2.53	84	5086	0.179 ug/L #	30
27) 1,2-Dichloroethane	5.09	62	3068	0.113 ug/L	99
30) Cyclohexane	4.72	56	100260	2.616 ug/L	98
33) Benzene	5.14	78	183648	1.904 ug/L	100
35) Methylcyclohexane	6.17	83	19423	0.493 ug/L #	82
37) 1,2-Dichloropropane	6.12	63	16777	0.726 ug/L #	87
42) Toluene	7.43	91	1041483	10.106 ug/L	99
44) trans-1,3-Dichloropropene	7.66	75	2172	0.083 ug/L #	81
48) 2-Hexanone	8.14	43	23669	2.484 ug/L #	81
52) Ethylbenzene	9.05	91	1111863	10.122 ug/L	100
53) m,p-xylene	9.18	106	1467545	35.424 ug/L	99
54) o-xylene	9.58	106	327482	8.219 ug/L	98
55) Styrene	9.58	104	21506	0.319 ug/L #	1
56) Isopropylbenzene	9.97	105	55766	0.526 ug/L	98
59) 1,2,3-Trichloropropane	10.39	75	1882	0.132 ug/L #	1

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 21 00:51:34 2019
Response via : Initial Calibration

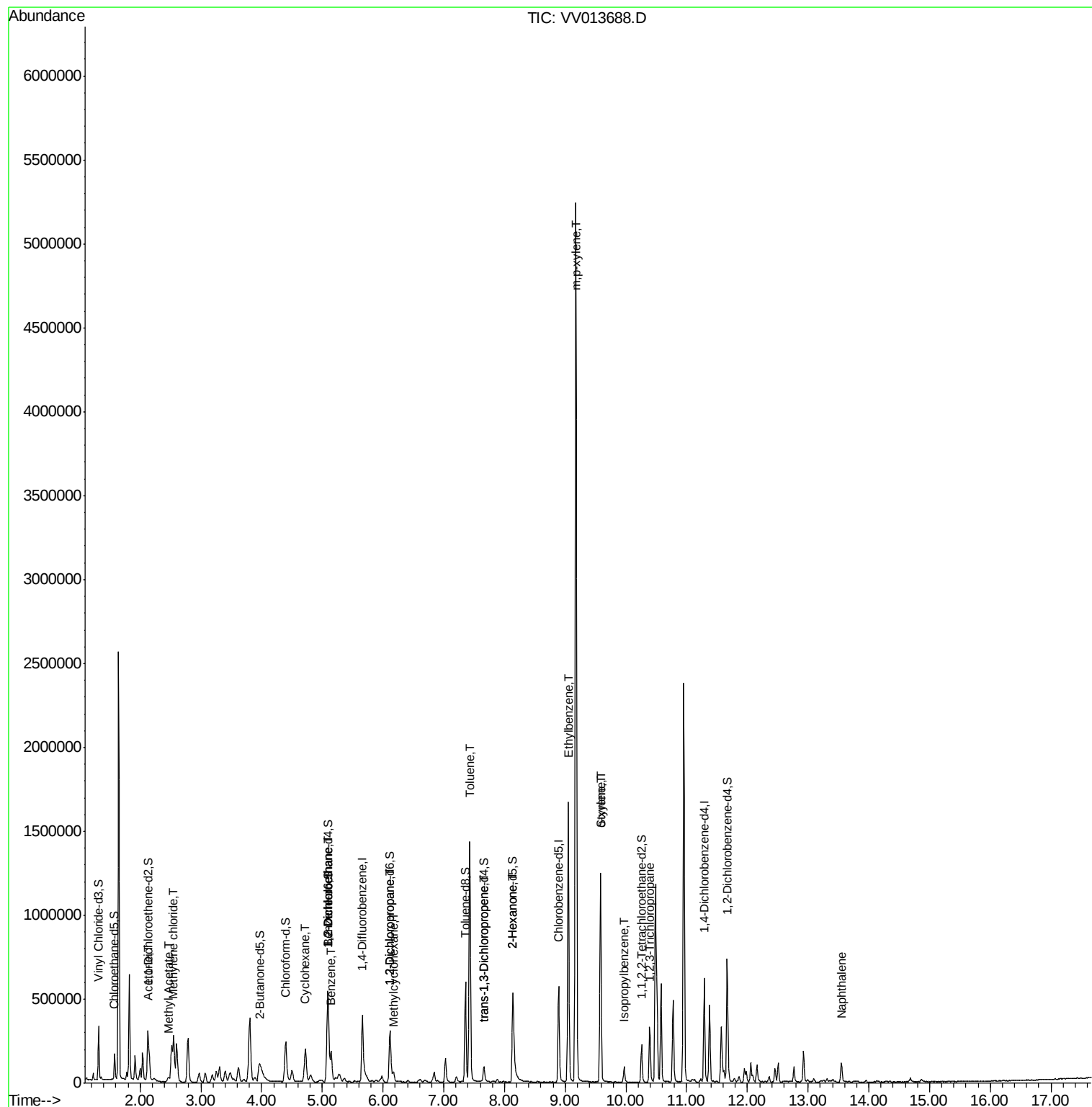
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.55	128	93763	1.770	ug/L	99

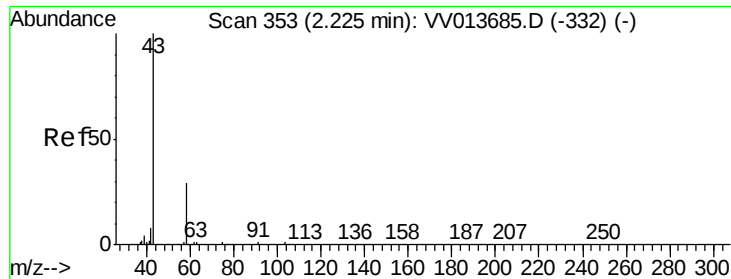
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 15.424 ug/L

RT: 2.15 min Scan# 329

Delta R.T. -0.08 min

Lab File: VV013688.D

Acq: 20 Nov 2019 15:10

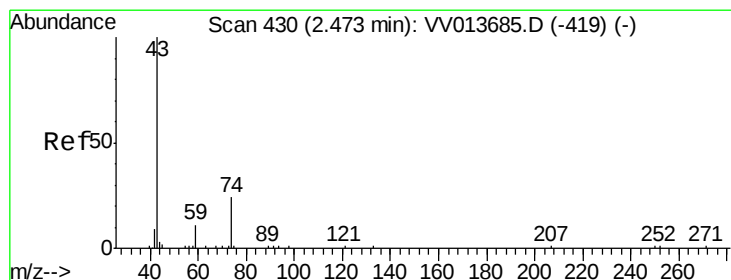
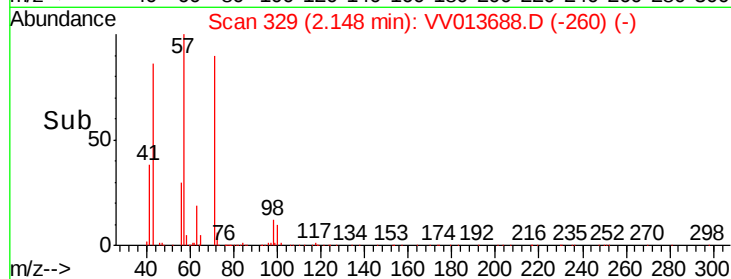
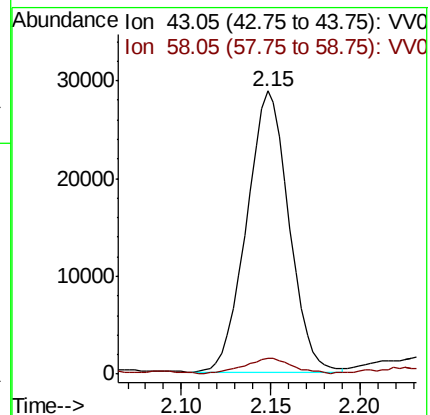
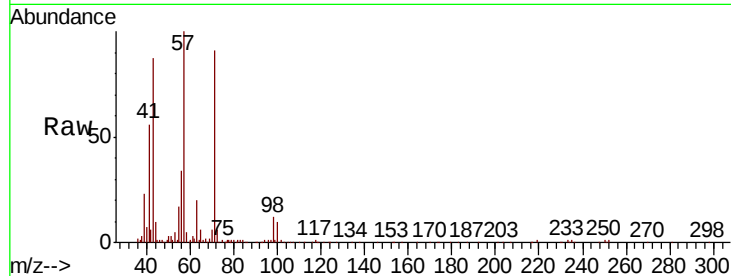
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 47574

Ion Ratio Lower Upper

43 100

58 6.6 0.0 17.0



#15

Methyl Acetate

Concen: 0.706 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.02 min

Lab File: VV013688.D

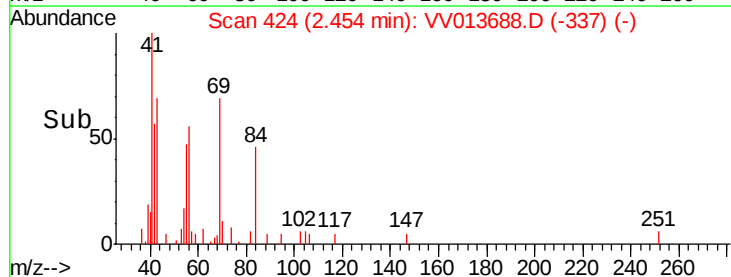
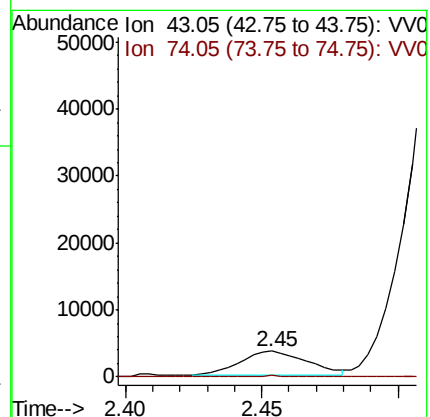
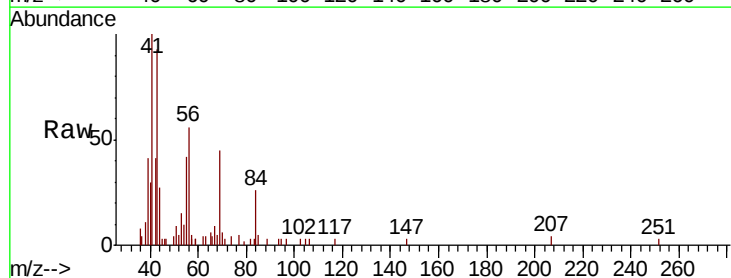
Acq: 20 Nov 2019 15:10

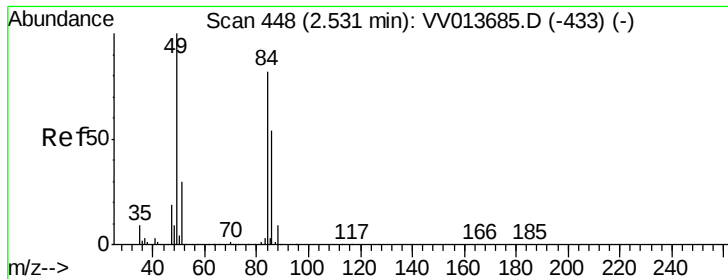
Tgt Ion: 43 Resp: 6168

Ion Ratio Lower Upper

43 100

74 1.4 18.9 28.3#

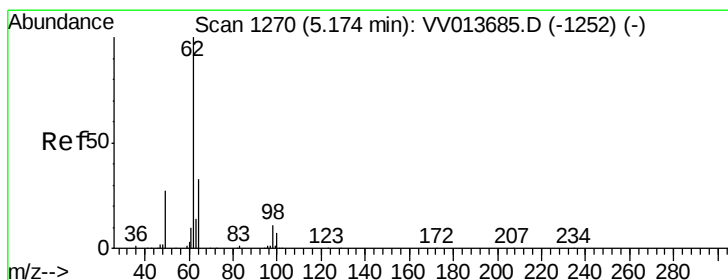
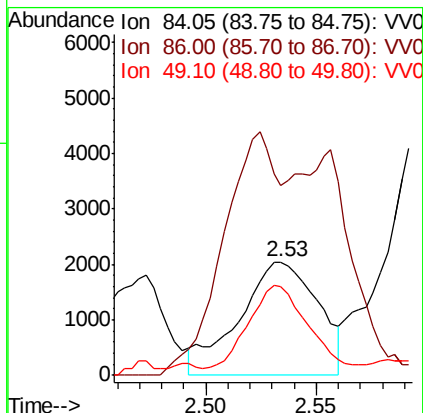
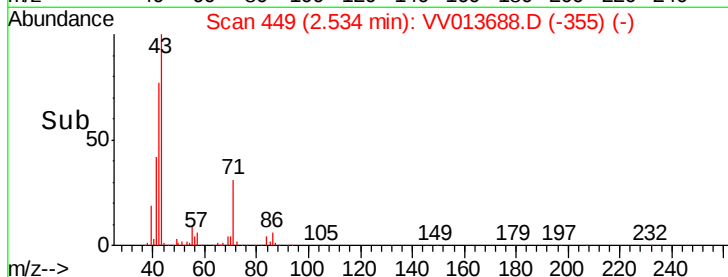
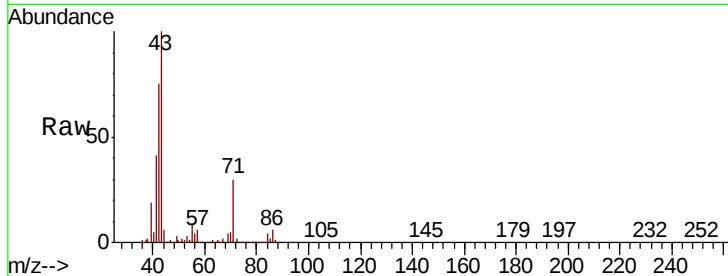




#16
Methylene chloride
Concen: 0.179 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013688.D
Acq: 20 Nov 2019 15:10

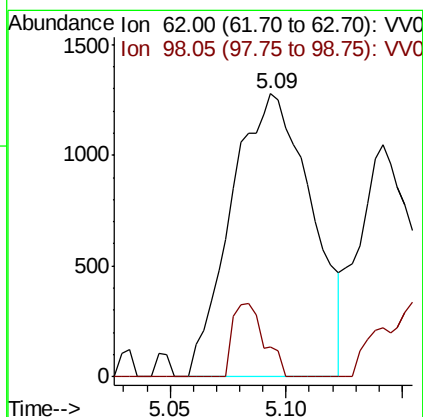
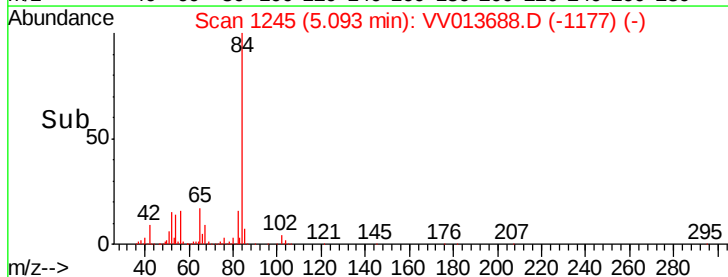
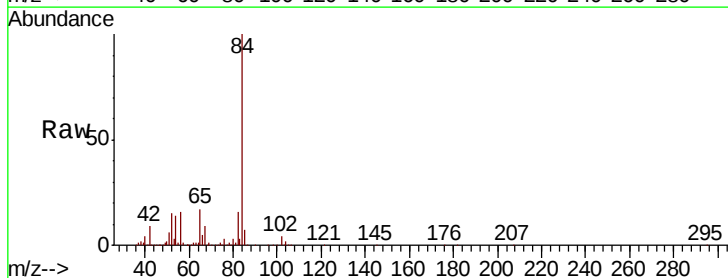
Instrument :
MSVOA_V
ClientSampled :

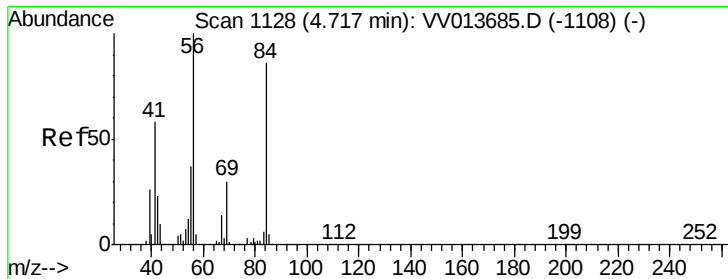
Tot Ion: 84 Resp: 5086
Ion Ratio Lower Upper
84 100
86 167.5 44.1 81.9#
49 78.7 83.4 155.0#



#27
1,2-Dichloroethane
Concen: 0.113 ug/L
RT: 5.09 min Scan# 1245
Delta R.T. -0.08 min
Lab File: VV013688.D
Acq: 20 Nov 2019 15:10

Tgt Ion: 62 Resp: 3068
Ion Ratio Lower Upper
62 100
98 10.4 8.2 12.2

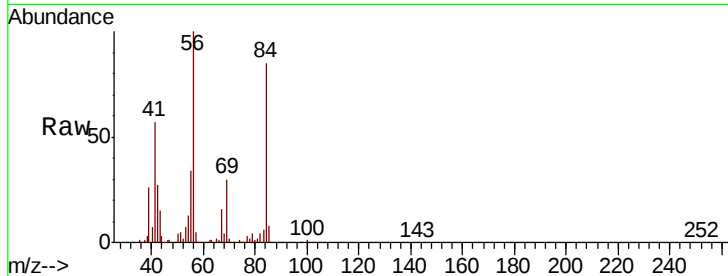




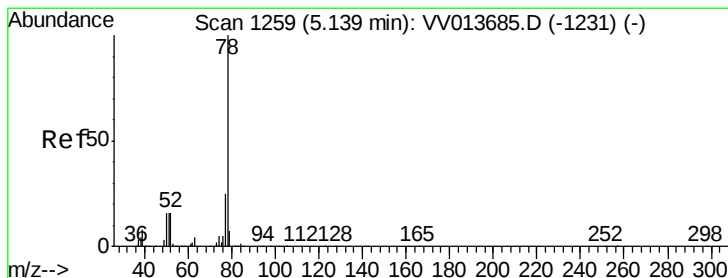
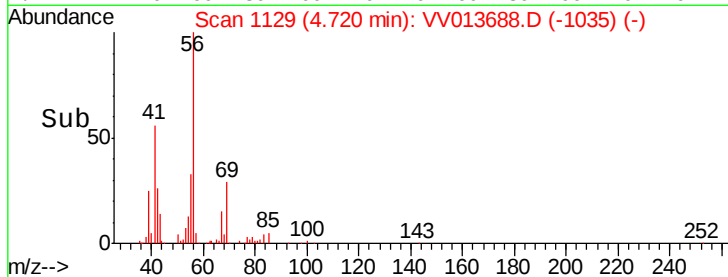
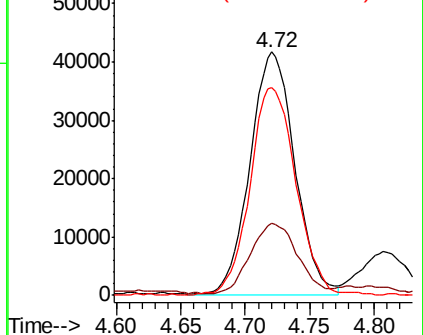
#30
Cyclohexane
Concen: 2.616 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VV013688.D
Acq: 20 Nov 2019 15:10

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 56 Resp: 100260
Ion Ratio Lower Upper
56 100
69 30.7 23.8 35.8
84 88.8 69.1 103.7

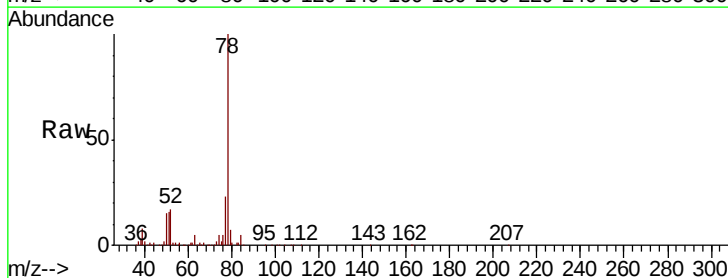


Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0

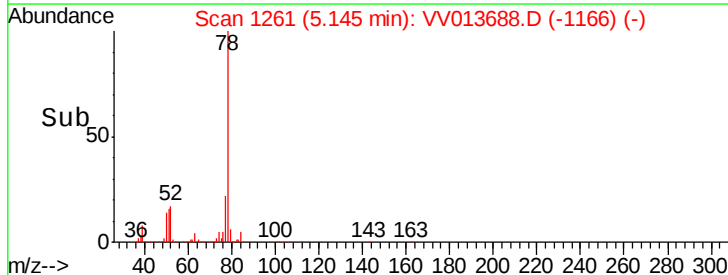
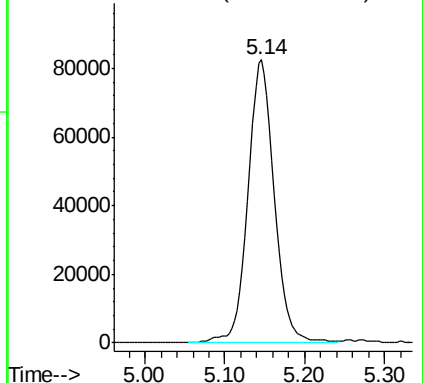


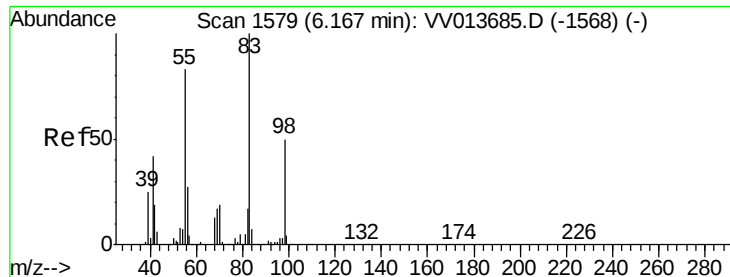
#33
Benzene
Concen: 1.904 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.01 min
Lab File: VV013688.D
Acq: 20 Nov 2019 15:10

Tgt Ion: 78 Resp: 183648



Abundance Ion 78.10 (77.80 to 78.80): VV0

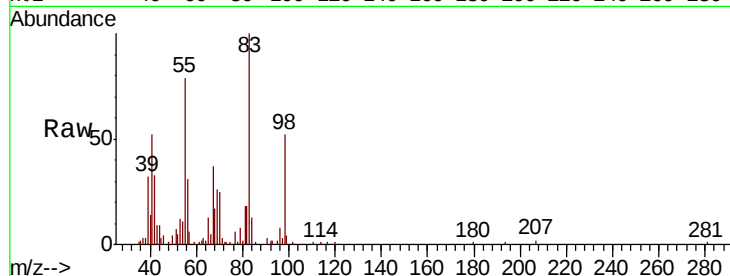




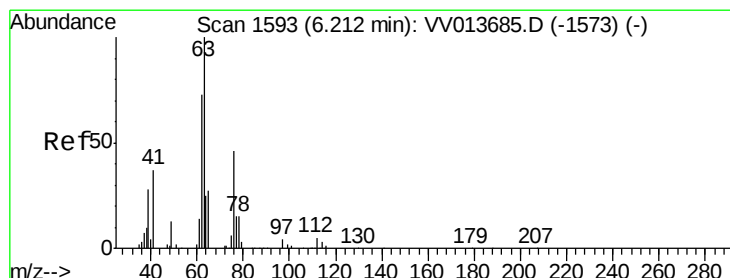
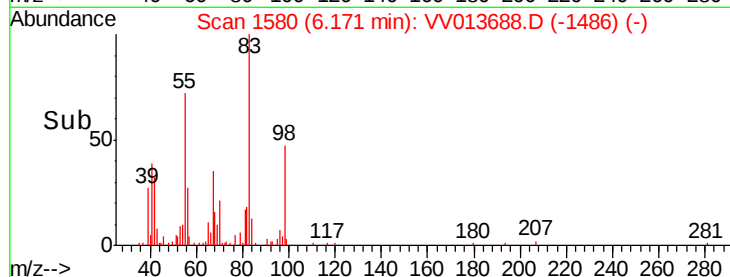
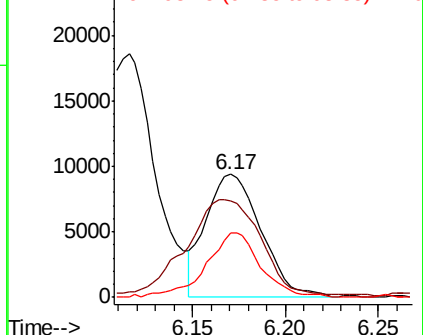
#35
Methvlcvclohexane
Concen: 0.493 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VV013688.D
Acq: 20 Nov 2019 15:10

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 19423
Ion Ratio Lower Upper
83 100
55 102.7 64.1 96.1#
98 51.9 38.2 57.2

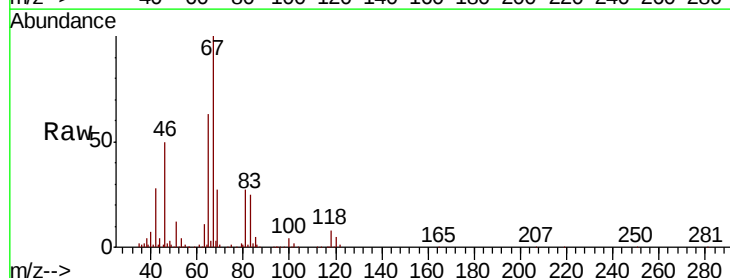


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

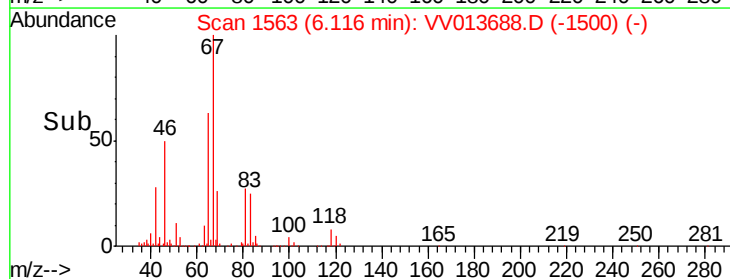
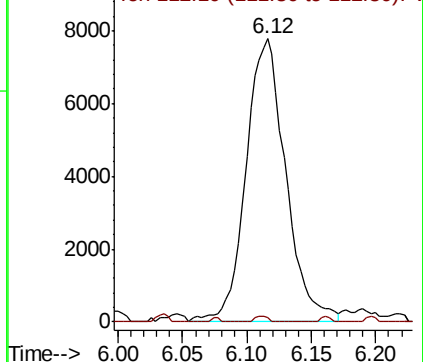


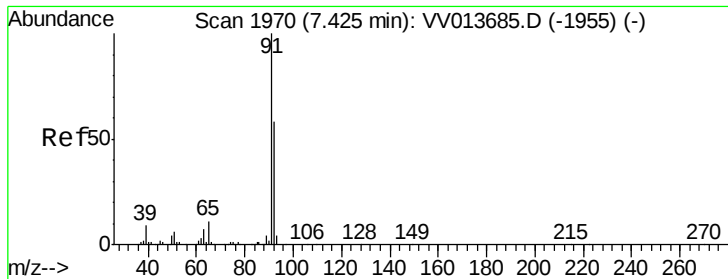
#37
1,2-Dichloropropane
Concen: 0.726 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV013688.D
Acq: 20 Nov 2019 15:10

Tgt Ion: 63 Resp: 16777
Ion Ratio Lower Upper
63 100
112 0.6 4.1 6.1#



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





#42

Toluene

Concen: 10.106 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013688.D

Acq: 20 Nov 2019 15:10

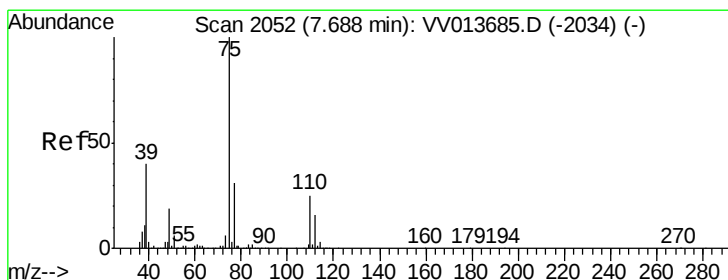
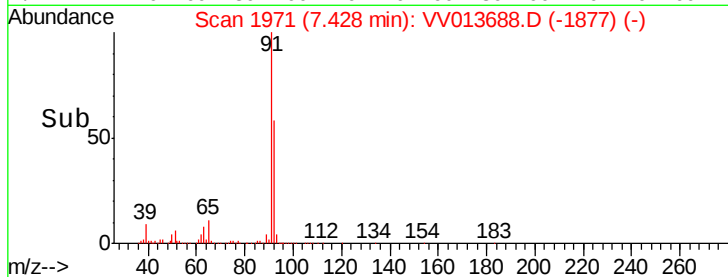
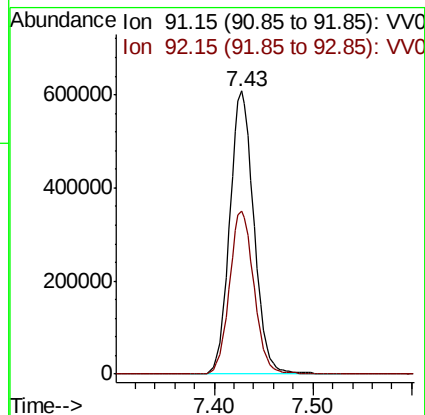
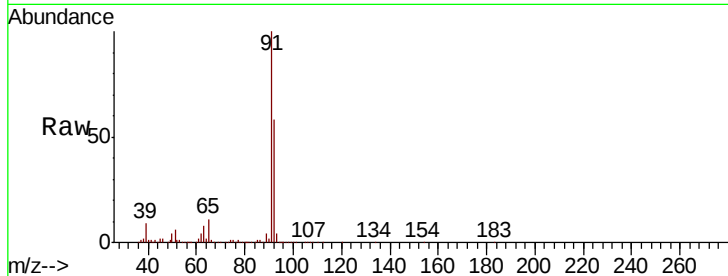
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1041483

Ion Ratio Lower Upper

91 100

92 57.8 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013688.D

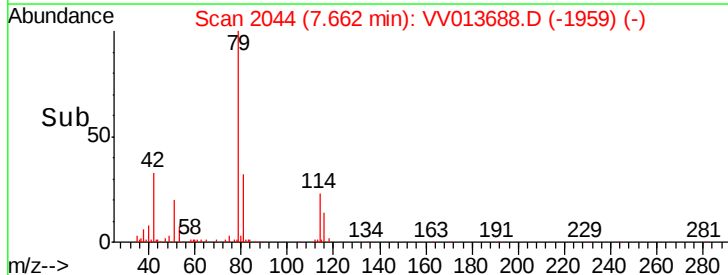
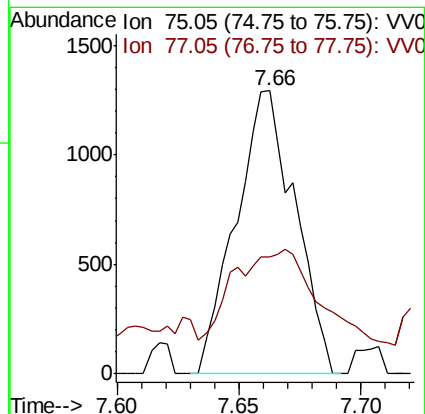
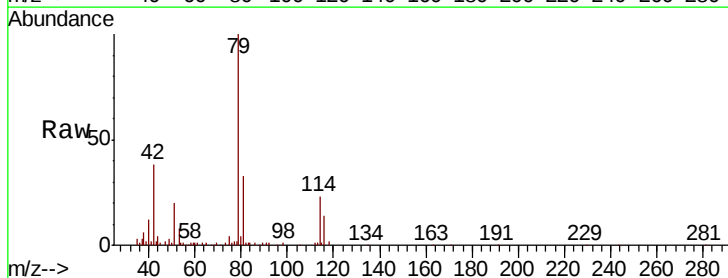
Acq: 20 Nov 2019 15:10

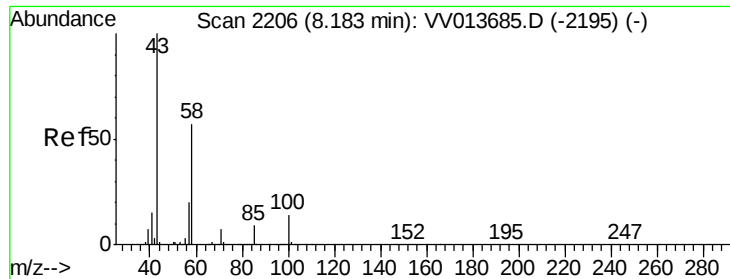
Tgt Ion: 75 Resp: 2172

Ion Ratio Lower Upper

75 100

77 41.4 21.6 40.2#

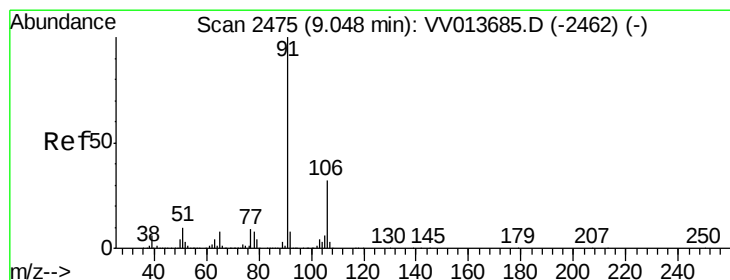
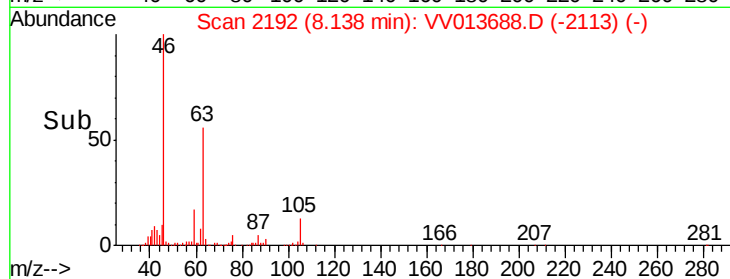
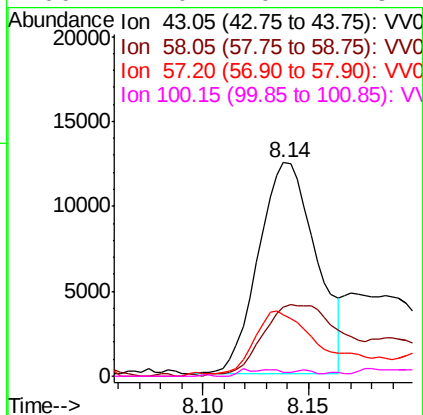
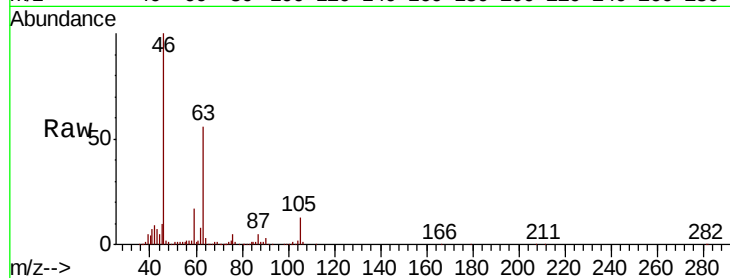




#48
2-Hexanone
Concen: 2.484 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.05 min
Lab File: VV013688.D
Acq: 20 Nov 2019 15:10

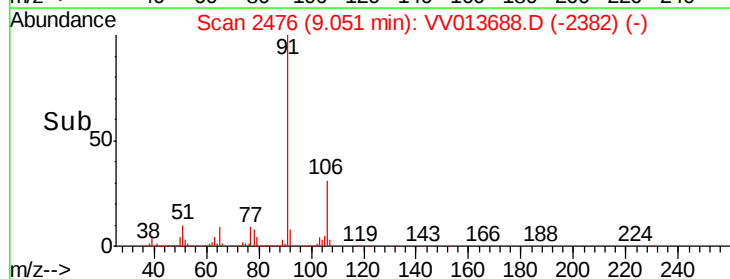
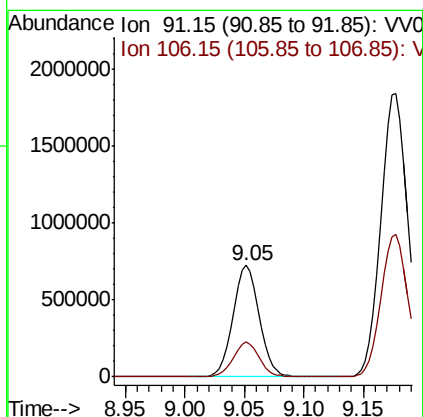
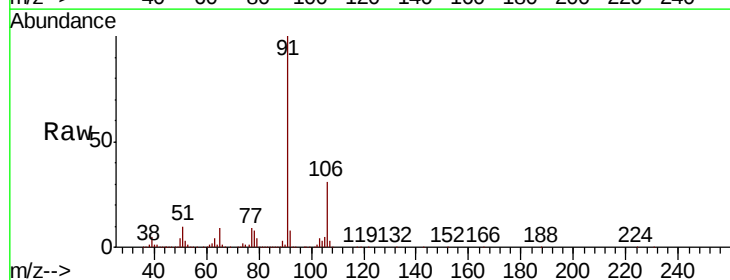
Instrument :
MSVOA_V
ClientSampleId :

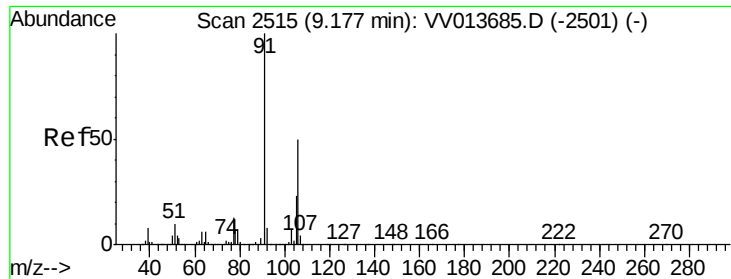
Tot Ion: 43 Resp: 23669
Ion Ratio Lower Upper
43 100
58 46.5 43.0 64.6
57 36.6 15.4 23.2#
100 1.0 10.1 15.1#



#52
Ethylbenzene
Concen: 10.122 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV013688.D
Acq: 20 Nov 2019 15:10

Tgt Ion: 91 Resp: 1111863
Ion Ratio Lower Upper
91 100
106 31.1 21.7 40.3





#53

m,p-xylene

Concen: 35.424 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013688.D

Acq: 20 Nov 2019 15:10

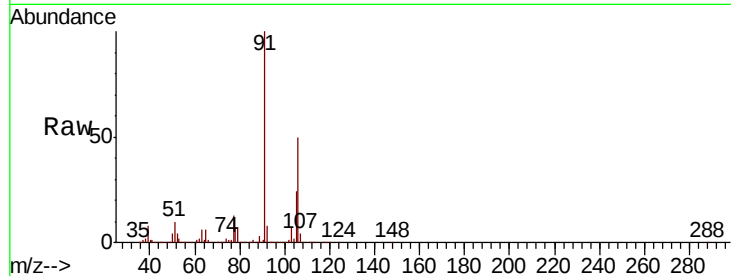
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 1467545

Ion Ratio Lower Upper

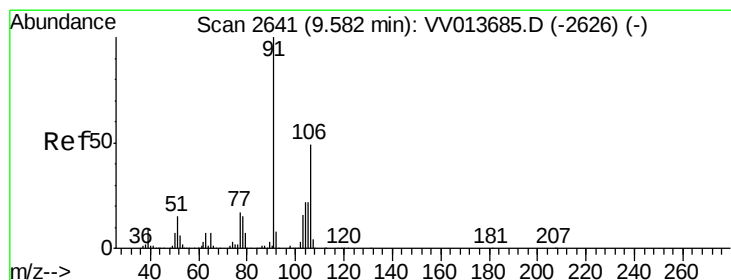
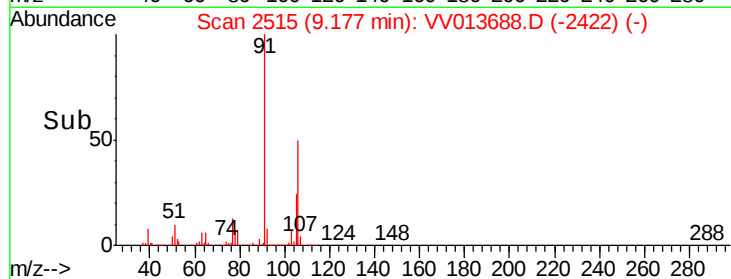
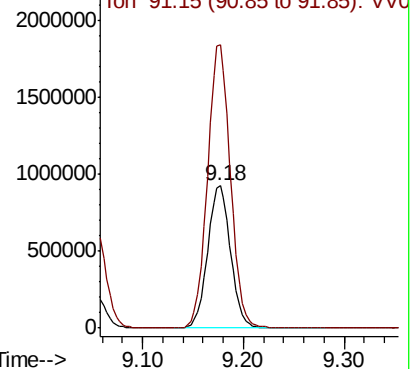
106 100

91 199.1 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 8.219 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013688.D

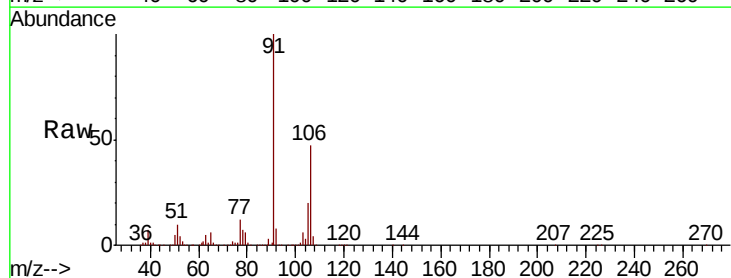
Acq: 20 Nov 2019 15:10

Tgt Ion:106 Resp: 327482

Ion Ratio Lower Upper

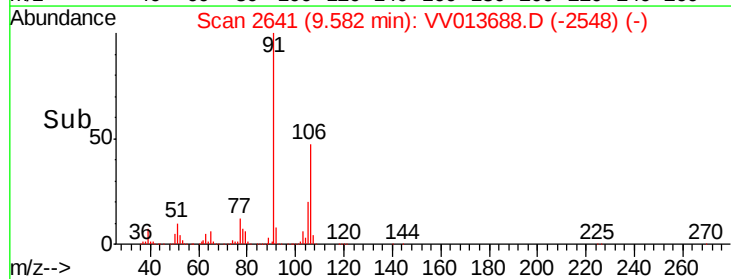
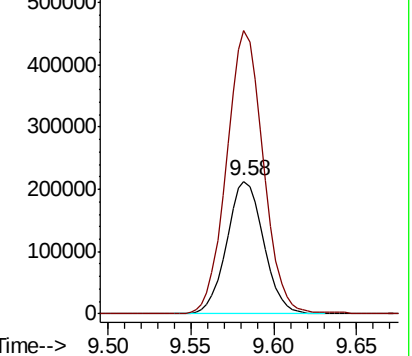
106 100

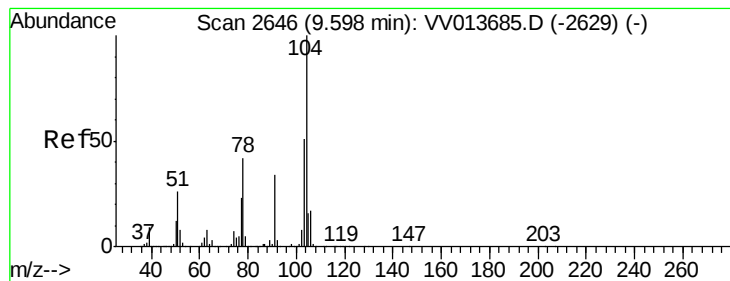
91 213.0 146.9 272.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#55

Stvrene

Concen: 0.319 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.02 min

Lab File: VV013688.D

Acq: 20 Nov 2019 15:10

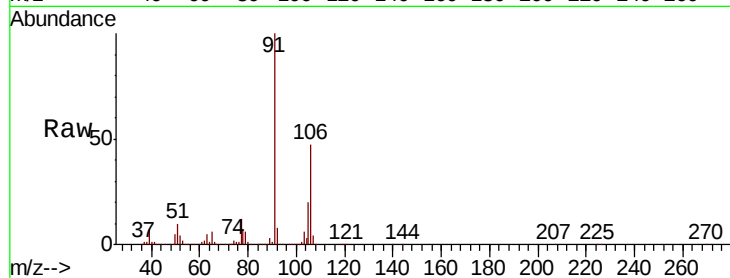
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:104 Resp: 21506

Ion Ratio Lower Upper

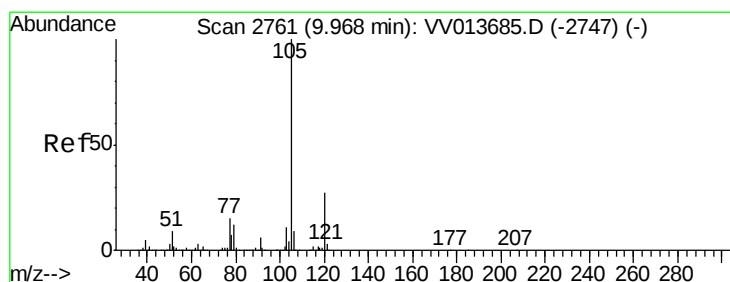
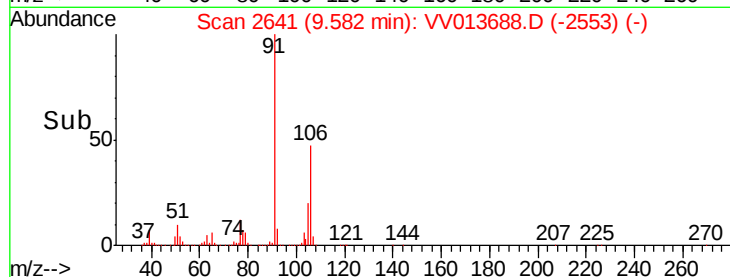
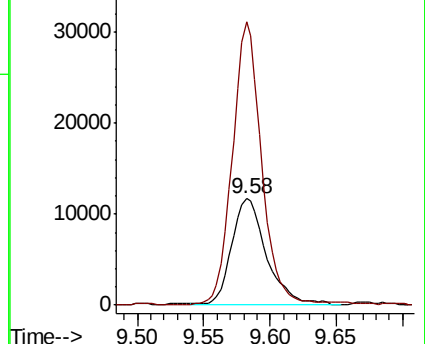
104 100

78 266.4 30.8 57.2#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#56

Isopropylbenzene

Concen: 0.526 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013688.D

Acq: 20 Nov 2019 15:10

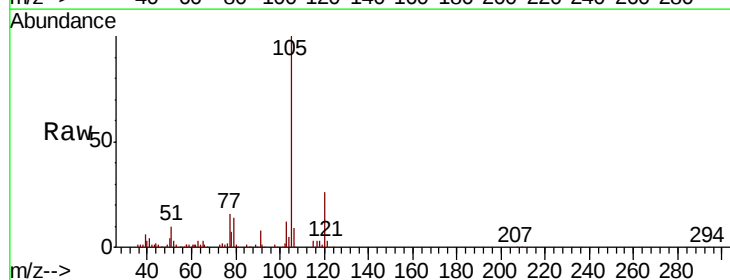
Tgt Ion:105 Resp: 55766

Ion Ratio Lower Upper

105 100

120 26.0 21.2 31.8

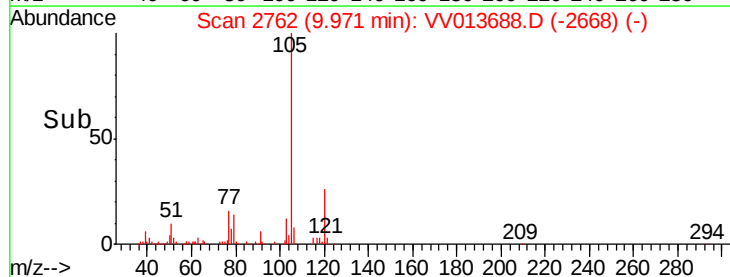
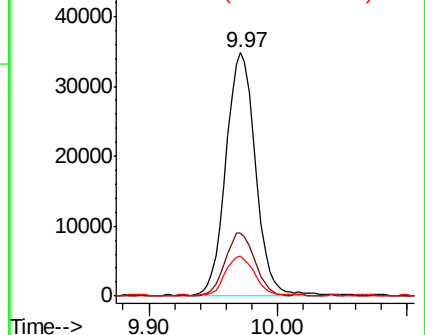
77 16.9 11.9 17.9

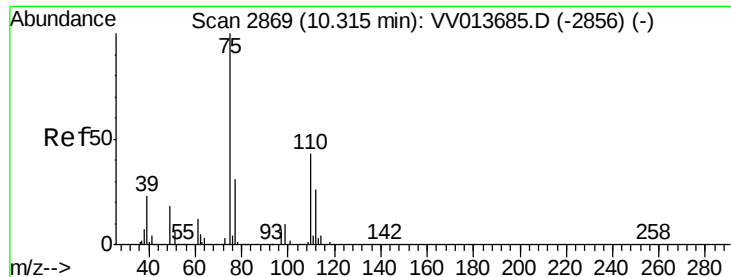


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0





#59

1,2,3-Trichloropropane

Concen: 0.132 ug/L

RT: 10.39 min Scan# 2893

Delta R.T. 0.08 min

Lab File: VV013688.D

Acq: 20 Nov 2019 15:10

Instrument :

MSVOA_V

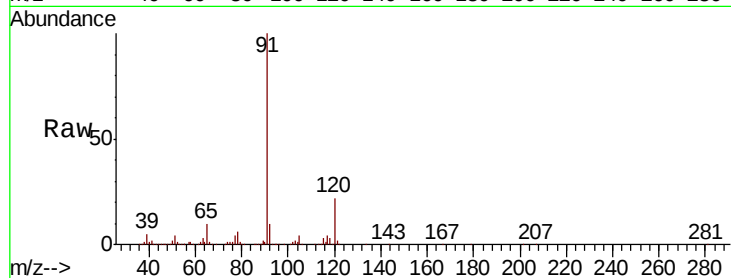
ClientSampleId :

Tot Ion: 75 Resp: 1882

Ion Ratio Lower Upper

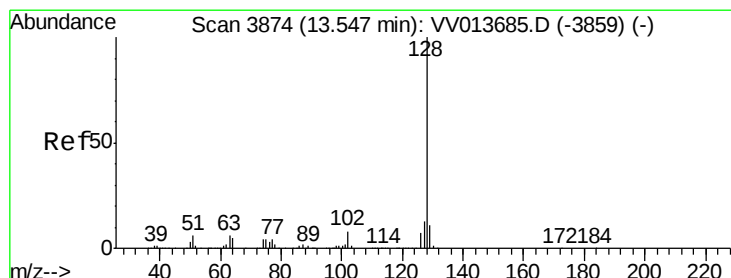
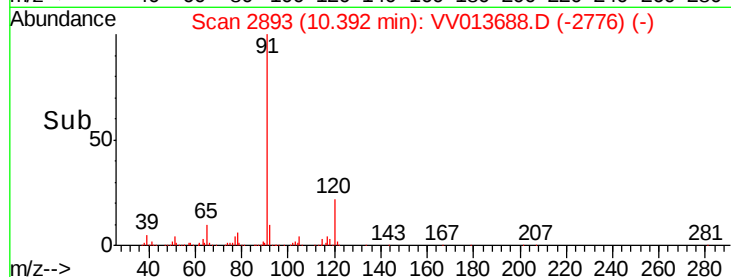
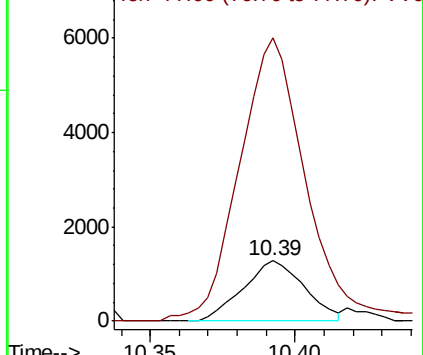
75 100

77 509.5 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#69

Naphthalene

Concen: 1.770 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013688.D

Acq: 20 Nov 2019 15:10

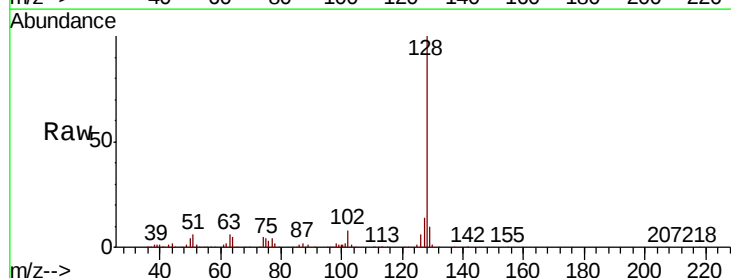
Tgt Ion:128 Resp: 93763

Ion Ratio Lower Upper

128 100

129 10.6 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

