

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101419\
 Data File : VV013150.D
 Acq On : 14 Oct 2019 18:53
 Operator : SY/MD
 Sample : K5191-03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 15 05:11:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 15 05:07:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	724607	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	693846	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	323112	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	176948	38.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.26%
7) Chloroethane-d5	1.58	69	163093	43.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.88%
11) 1,1-Dichloroethene-d2	2.13	63	246905	28.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.16%#
21) 2-Butanone-d5	3.97	46	339113	98.47	ug/L	0.05
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.47%
24) Chloroform-d	4.40	84	292841	33.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	66.42%#
26) 1,2-Dichloroethane-d4	5.08	65	268789	49.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.90%
32) Benzene-d6	5.10	84	857005	46.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.12	67	278157	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.92%
41) Toluene-d8	7.36	98	712376	43.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	7.66	79	108573	41.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.64%
47) 2-Hexanone-d5	8.14	63	194726	84.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.38%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	149748	20.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	40.02%#
64) 1,2-Dichlorobenzene-d4	11.67	152	312344	49.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.68%

Target Compounds

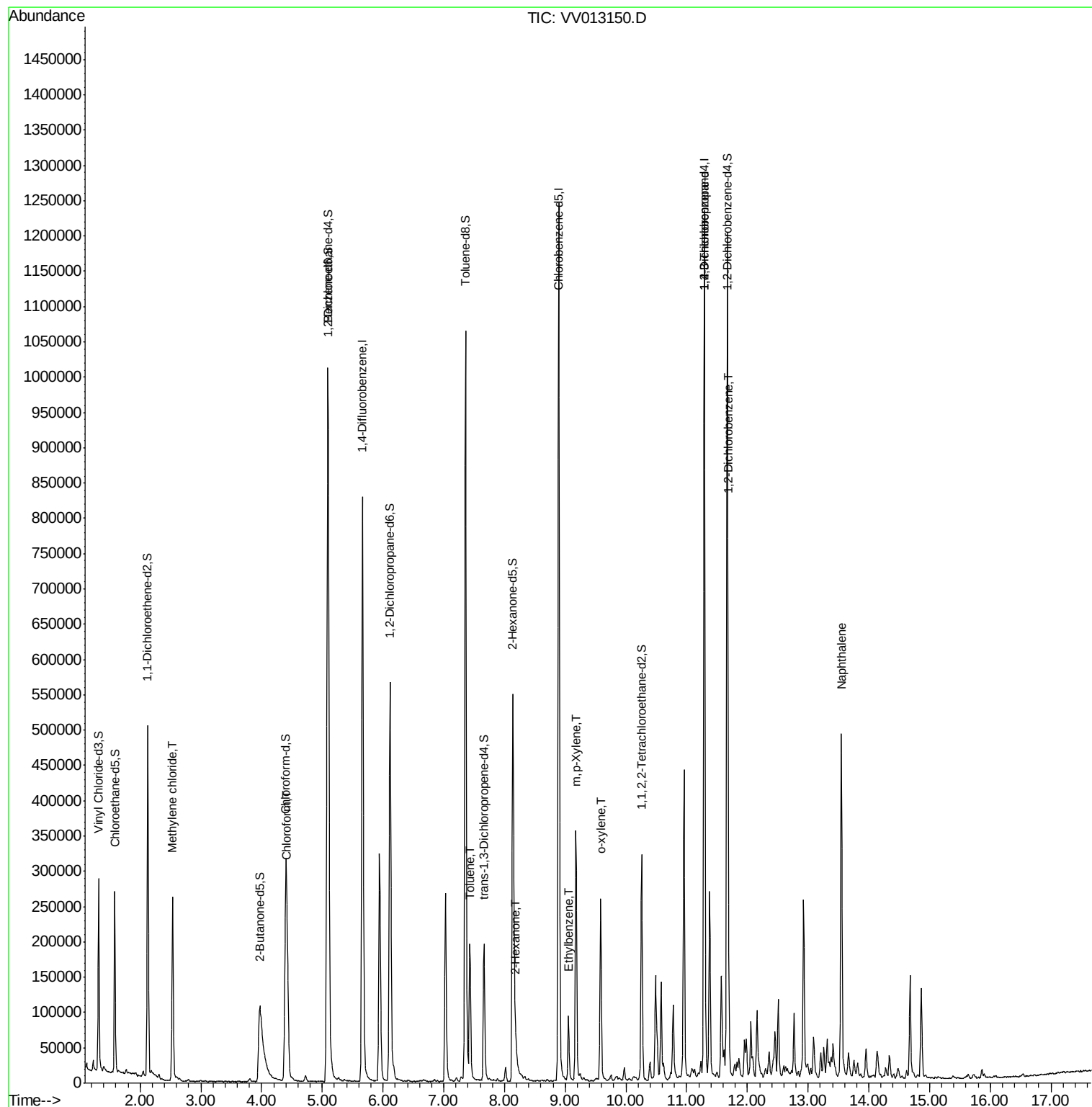
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	2.53	84	107001	20.013	ug/L	97
25) Chloroform	4.43	83	126517	13.655	ug/L	97
42) Toluene	7.43	91	142247	6.538	ug/L	98
48) 2-Hexanone	8.19	43	19833	3.580	ug/L #	86
52) Ethylbenzene	9.05	91	62249	2.679	ug/L	100
53) m,p-Xylene	9.18	106	100238	11.465	ug/L	99
54) o-xylene	9.59	106	70814	8.084	ug/L	96
59) 1,2,3-Trichloropropane	11.29	75	36157	5.427	ug/L	94
65) 1,2-Dichlorobenzene	11.69	146	23707	2.229	ug/L	98
69) Naphthalene	13.55	128	379252	21.539	ug/L	100

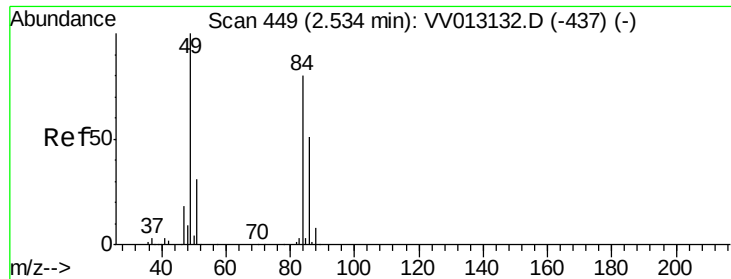
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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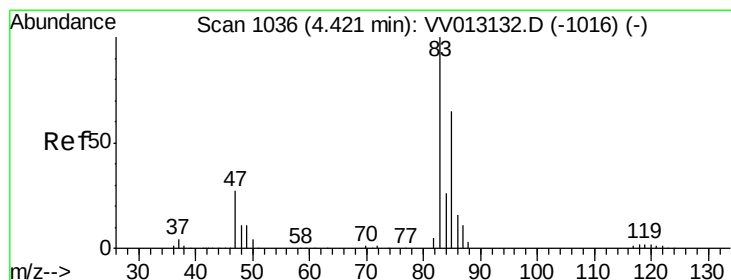
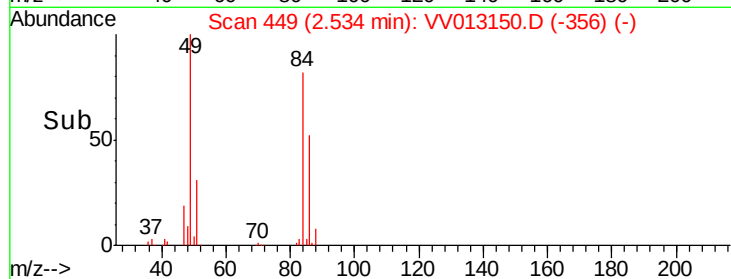
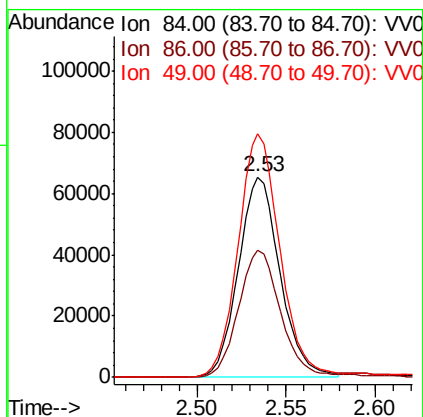
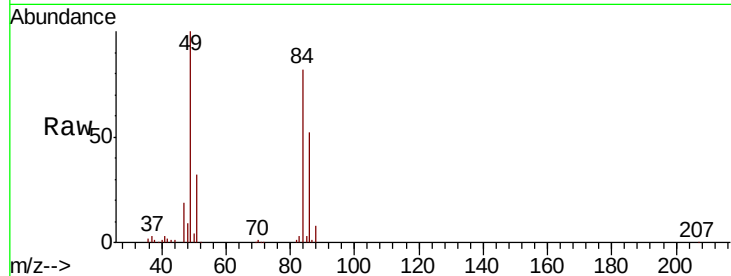




#16
Methylene chloride
Concen: 20.013 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013150.D
Acq: 14 Oct 2019 18:53

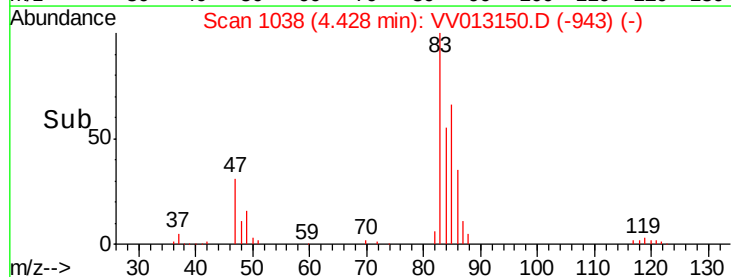
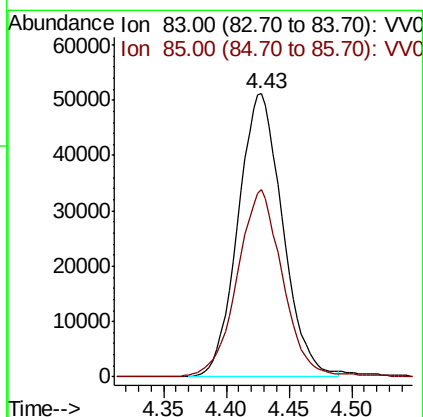
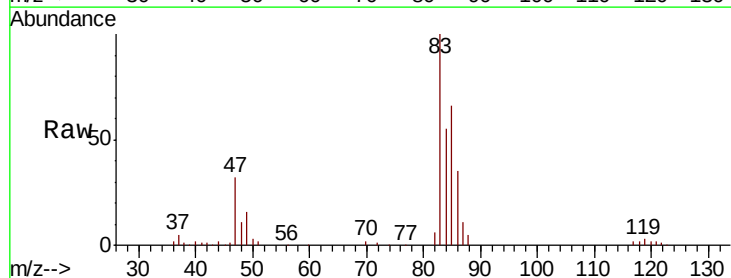
Instrument :
MSVOA_V
ClientSampleId :

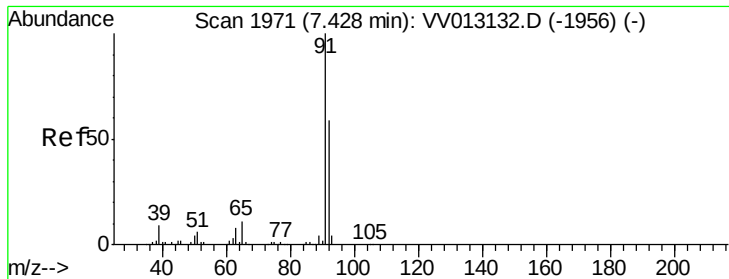
Tot Ion: 84 Resp: 107001
Ion Ratio Lower Upper
84 100
86 63.7 45.1 83.9
49 121.6 87.8 163.0



#25
Chloroform
Concen: 13.655 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV013150.D
Acq: 14 Oct 2019 18:53

Tgt Ion: 83 Resp: 126517
Ion Ratio Lower Upper
83 100
85 66.2 44.7 82.9





#42

Toluene

Concen: 6.538 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013150.D

Acq: 14 Oct 2019 18:53

Instrument :

MSVOA_V

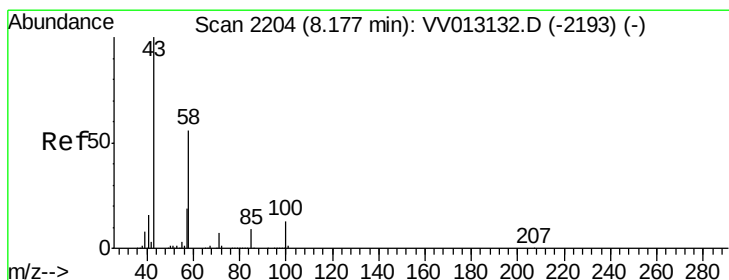
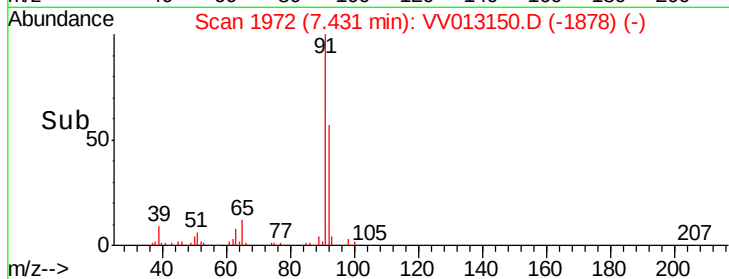
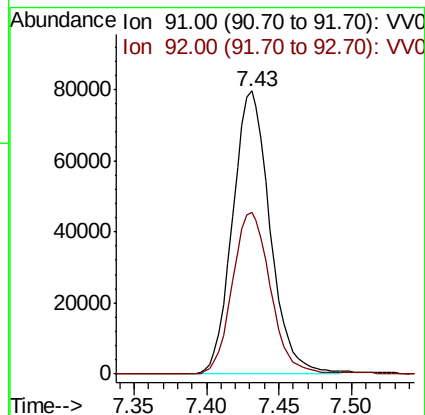
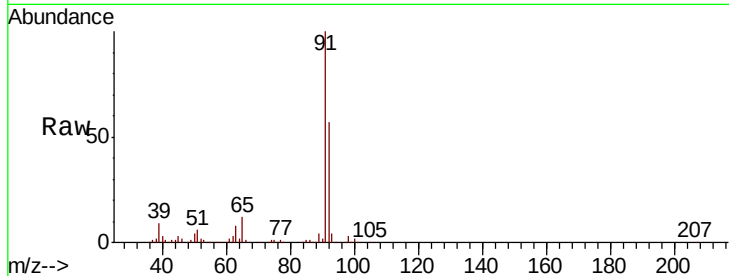
ClientSampleId :

Tot Ion: 91 Resp: 142247

Ion Ratio Lower Upper

91 100

92 57.2 40.8 75.8



#48

2-Hexanone

Concen: 3.580 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.01 min

Lab File: VV013150.D

Acq: 14 Oct 2019 18:53

Tgt Ion: 43 Resp: 19833

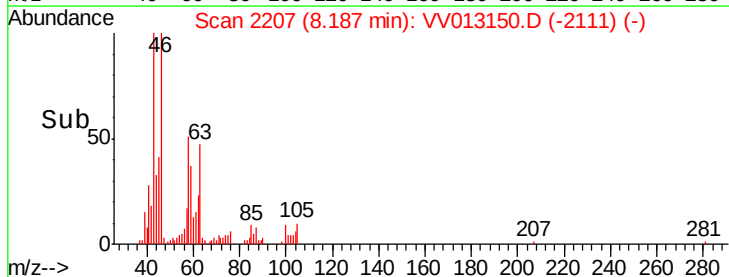
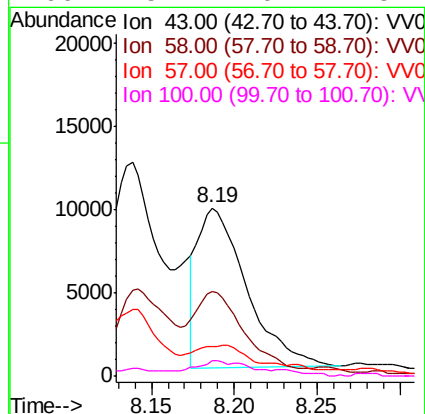
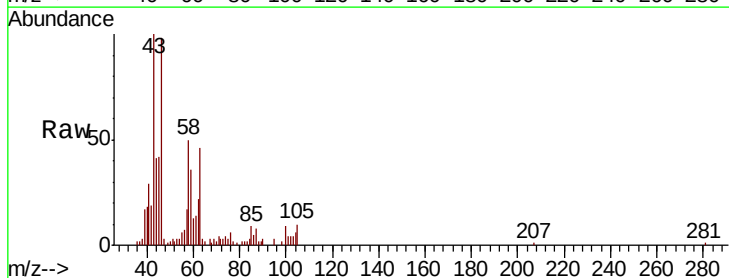
Ion Ratio Lower Upper

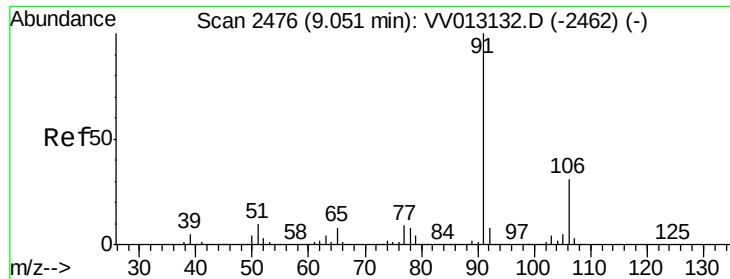
43 100

58 54.7 44.9 67.3

57 0.0 15.0 22.6#

100 3.7 10.2 15.2#





#52

Ethylbenzene

Concen: 2.679 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013150.D

Acq: 14 Oct 2019 18:53

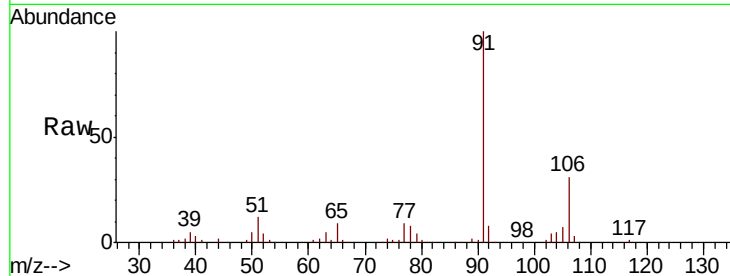
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 62249

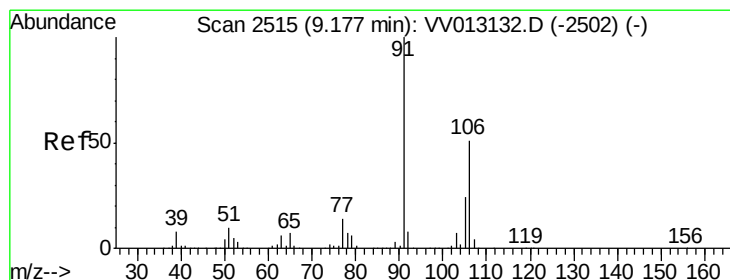
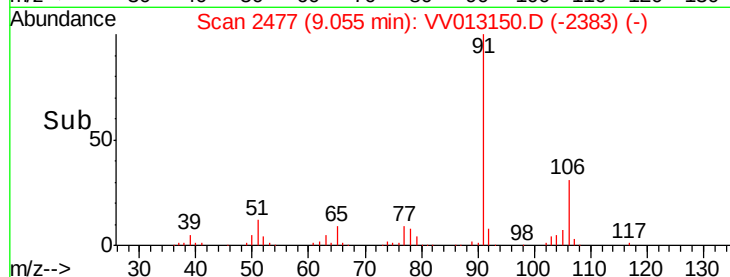
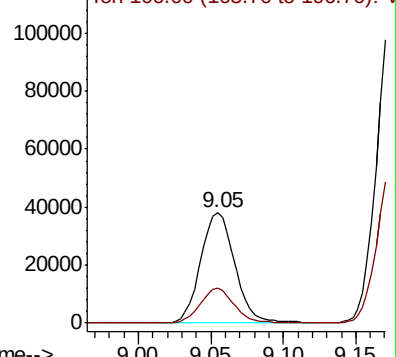
Ion Ratio Lower Upper

91 100

106 31.3 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV013150.D (-2462) (-)



#53

m,p-Xylene

Concen: 11.465 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013150.D

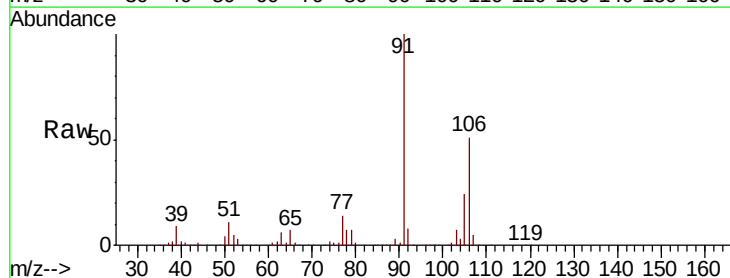
Acq: 14 Oct 2019 18:53

Tgt Ion: 106 Resp: 100238

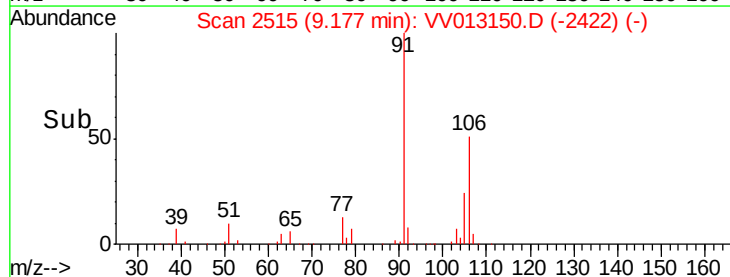
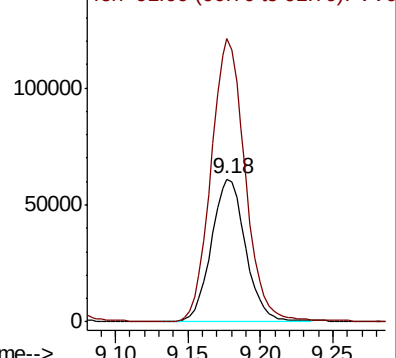
Ion Ratio Lower Upper

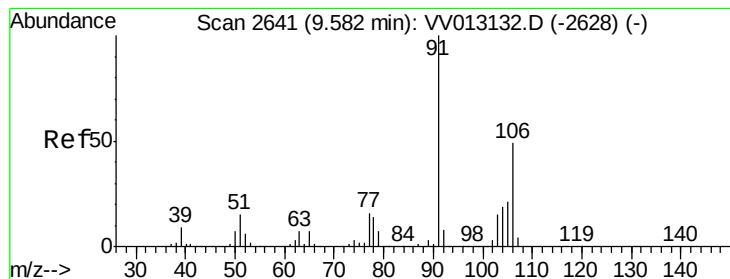
106 100

91 197.9 137.8 255.8



Abundance Ion 106.00 (105.70 to 106.70): VV013150.D (-2502) (-)





#54

o-xylene

Concen: 8.084 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013150.D

Acq: 14 Oct 2019 18:53

Instrument :

MSVOA_V

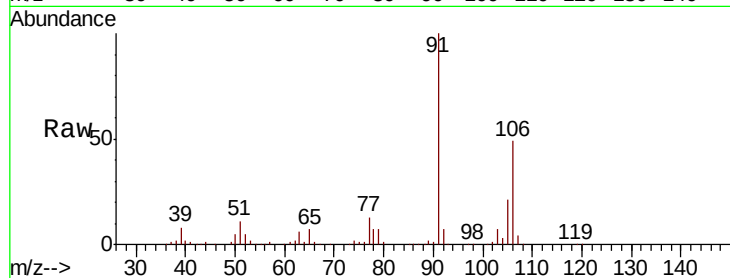
ClientSampled :

Tot Ion:106 Resp: 70814

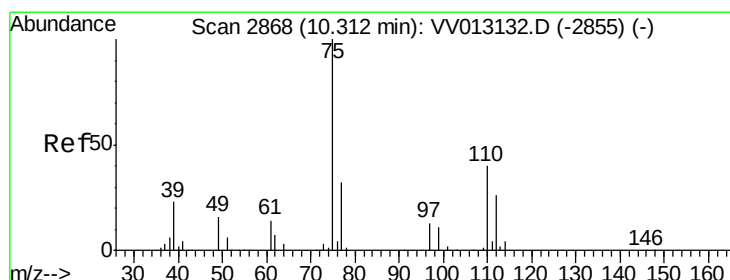
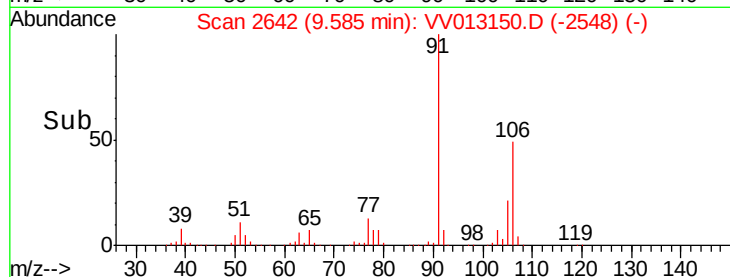
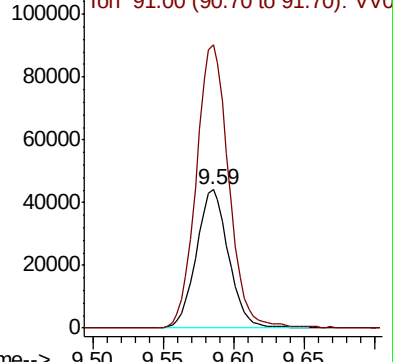
Ion Ratio Lower Upper

106 100

91 204.5 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): VV013150.D (-2548) (-)



#59

1,2,3-Trichloropropane

Concen: 5.427 ug/L

RT: 11.29 min Scan# 3172

Delta R.T. 0.98 min

Lab File: VV013150.D

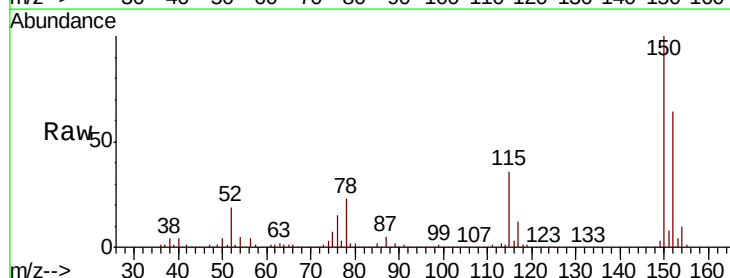
Acq: 14 Oct 2019 18:53

Tgt Ion: 75 Resp: 36157

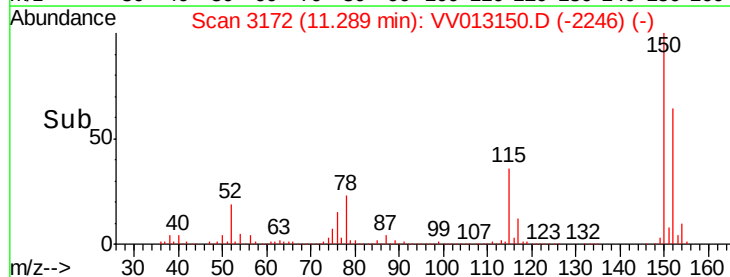
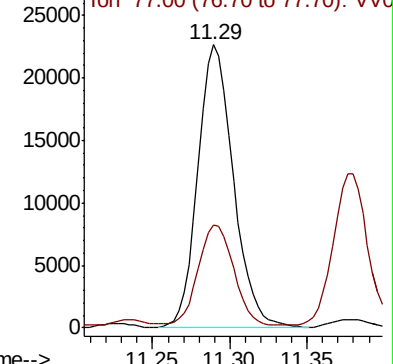
Ion Ratio Lower Upper

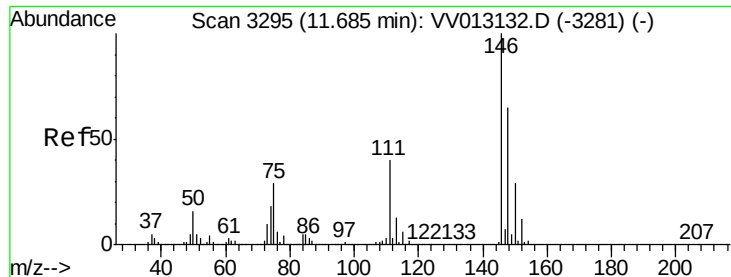
75 100

77 35.3 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV013150.D (-2246) (-)





#65

1,2-Dichlorobenzene

Concen: 2.229 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV013150.D

Acq: 14 Oct 2019 18:53

Instrument :

MSVOA_V

ClientSampleId :

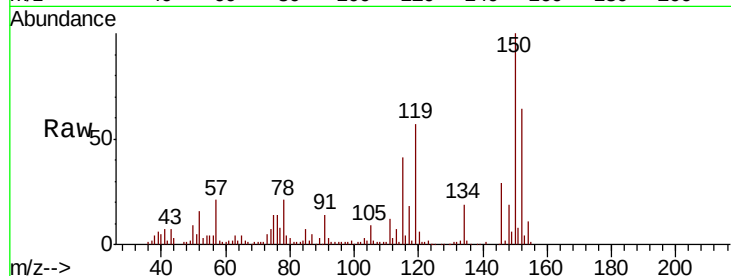
Tot Ion:146 Resp: 23707

Ion Ratio Lower Upper

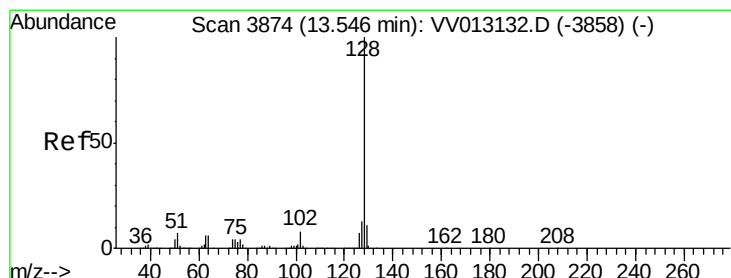
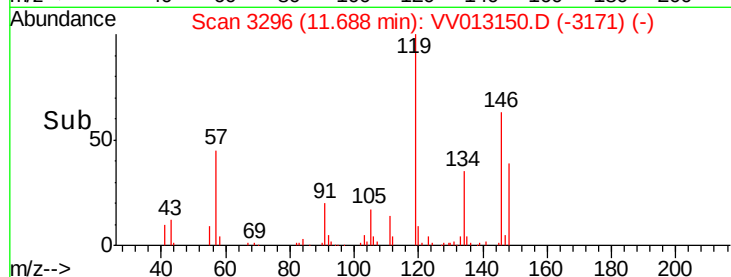
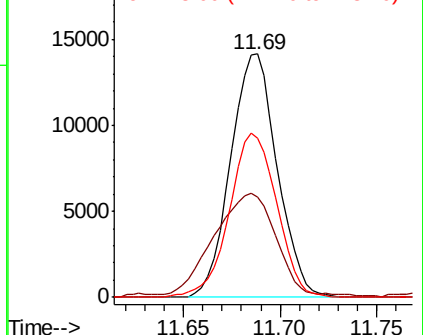
146 100

111 41.4 32.2 48.2

148 65.3 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#69

Naphthalene

Concen: 21.539 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013150.D

Acq: 14 Oct 2019 18:53

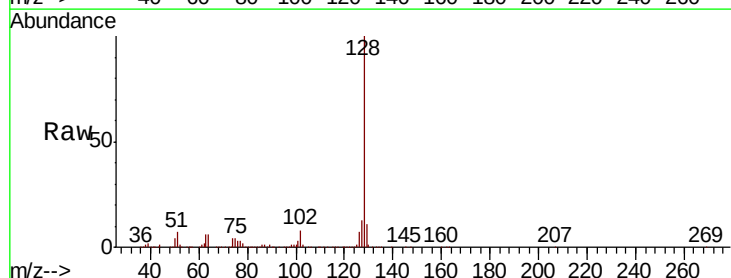
Tgt Ion:128 Resp: 379252

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 11.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

