

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112019\
 Data File : VV013691.D
 Acq On : 20 Nov 2019 16:21
 Operator : SY/MD
 Sample : K5910-21DL2 400X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 00:54:39 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	334308	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	311117	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	171515	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	136876	6.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	132.60%#
7) Chloroethane-d5	1.58	69	124670	6.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	135.20%#
11) 1,1-Dichloroethene-d2	2.13	63	187978	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.60%
20) 2-Butanone-d5	3.94	46	295527	61.88	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.76%
24) Chloroform-d	4.40	84	268976	5.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.80%
26) 1,2-Dichloroethane-d4	5.08	65	131073	5.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	119.40%
32) Benzene-d6	5.10	84	549467	6.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	126.80%#
36) 1,2-Dichloropropane-d6	6.11	67	163075	6.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	127.20%
41) Toluene-d8	7.36	98	483407	6.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.00%
43) trans-1,3-Dichloropropene-	7.66	79	54715	5.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	111.00%
46) 2-Hexanone-d5	8.13	63	215102	57.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.26%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	111255	6.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	200724	6.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.60%#

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1980	0.096 ug/L #	17
13) Acetone	2.15	43	13262	4.401 ug/L	97
15) Methyl Acetate	2.46	43	2147	0.252 ug/L #	56
16) Methylene chloride	2.54	84	6784	0.244 ug/L #	76
25) Chloroform	4.42	83	27472	0.461 ug/L	100
30) Cyclohexane	4.72	56	26626	0.712 ug/L	98
33) Benzene	5.15	78	46744	0.496 ug/L	100
35) Methylcyclohexane	6.17	83	5065	0.132 ug/L #	70
37) 1,2-Dichloropropane	6.11	63	17753	0.787 ug/L #	85
38) Bromodichloromethane	6.56	83	2638	0.084 ug/L #	96
42) Toluene	7.43	91	263315	2.617 ug/L	100
48) 2-Hexanone	8.18	43	15825	1.701 ug/L #	91
52) Ethylbenzene	9.05	91	266139	2.482 ug/L	96
53) m,p-xylene	9.18	106	364311	9.007 ug/L	99
54) o-xylene	9.58	106	80470	2.069 ug/L	97
56) Isopropylbenzene	9.97	105	15220	0.147 ug/L #	96
69) Naphthalene	13.55	128	22806	0.426 ug/L	97

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QLast Update : Thu Nov 21 00:51:34 2019
Response via : Initial Calibration

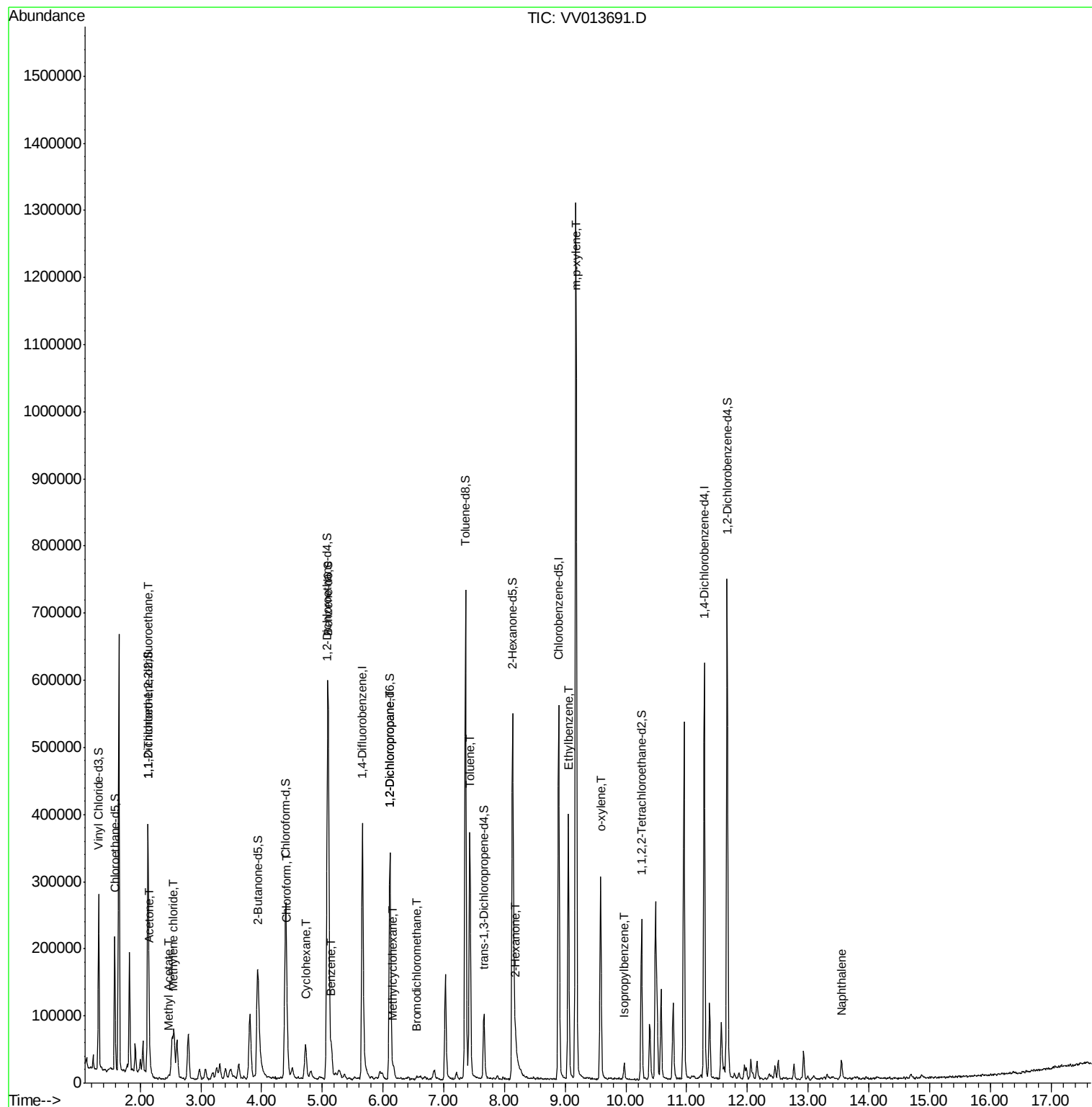
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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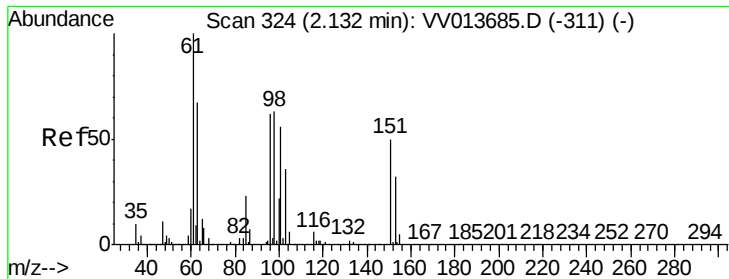
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.096 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013691.D

Acq: 20 Nov 2019 16:21

Instrument :

MSVOA_V

ClientSampleId :

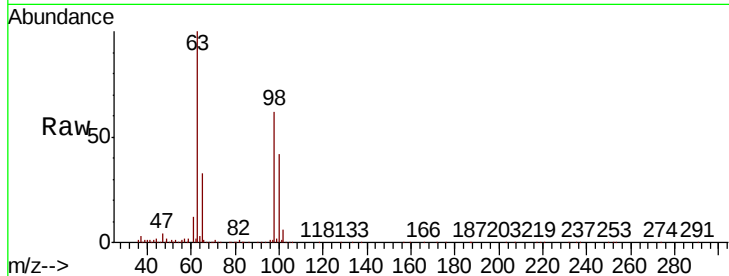
Tot Ion:101 Resp: 1980

Ion Ratio Lower Upper

101 100

85 2.7 32.0 48.0#

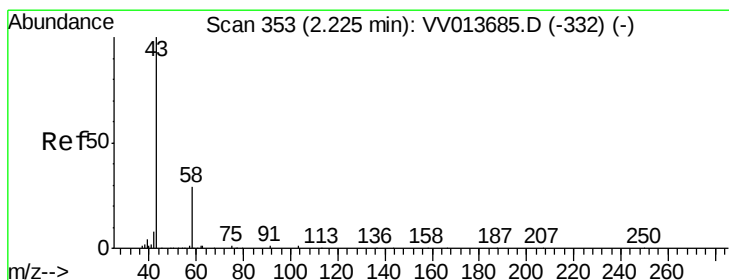
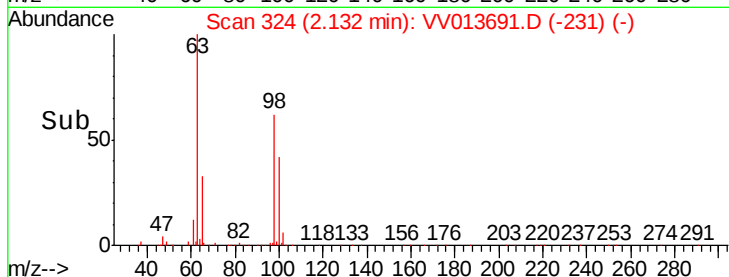
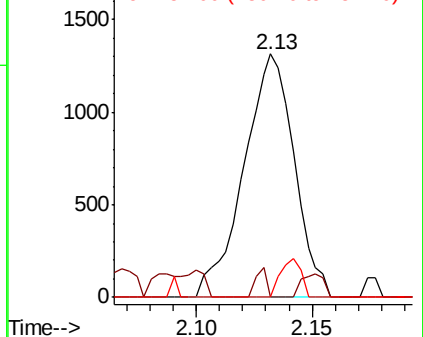
151 0.0 69.0 103.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 4.401 ug/L

RT: 2.15 min Scan# 331

Delta R.T. -0.07 min

Lab File: VV013691.D

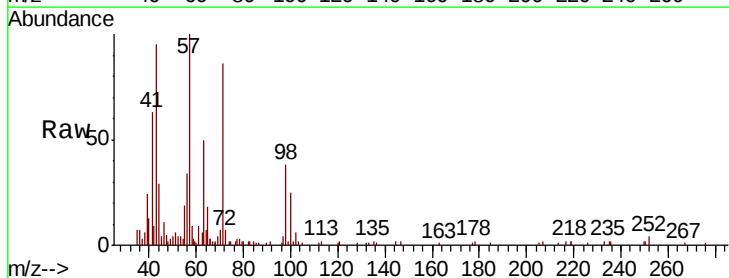
Acq: 20 Nov 2019 16:21

Tgt Ion: 43 Resp: 13262

Ion Ratio Lower Upper

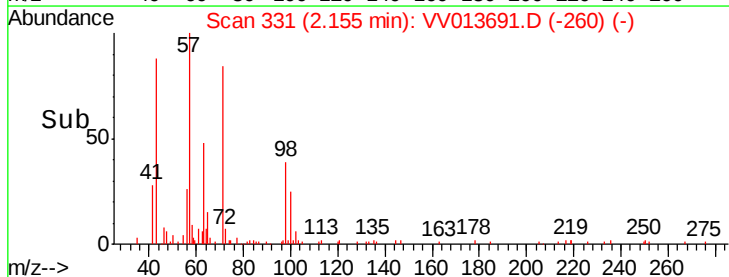
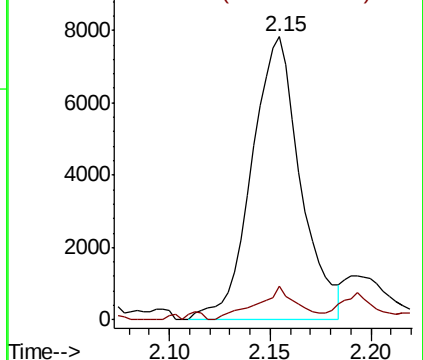
43 100

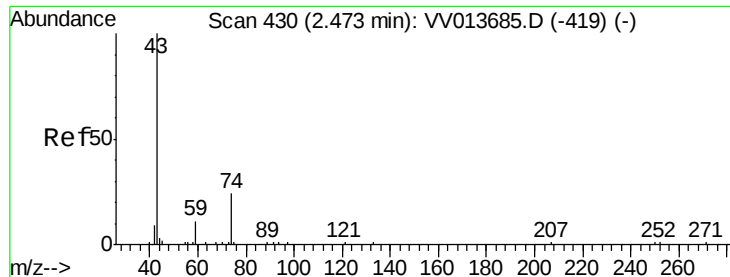
58 9.5 0.0 17.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#15

Methvl Acetate

Concen: 0.252 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.01 min

Lab File: VV013691.D

Acq: 20 Nov 2019 16:21

Instrument :

MSVOA_V

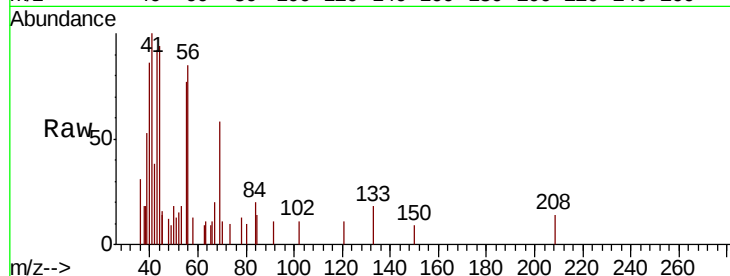
ClientSampleId :

Tot Ion: 43 Resp: 2147

Ion Ratio Lower Upper

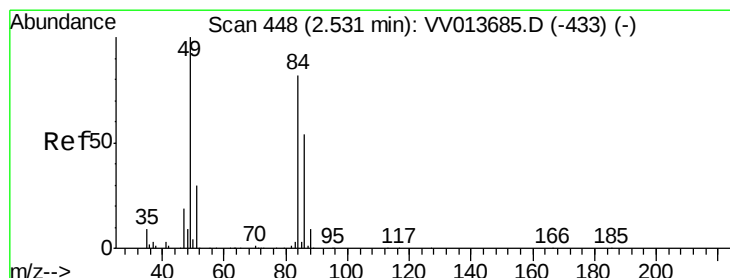
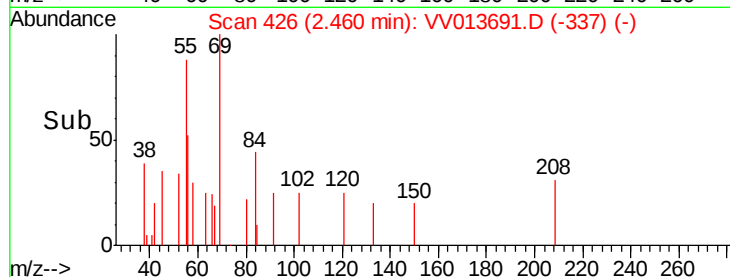
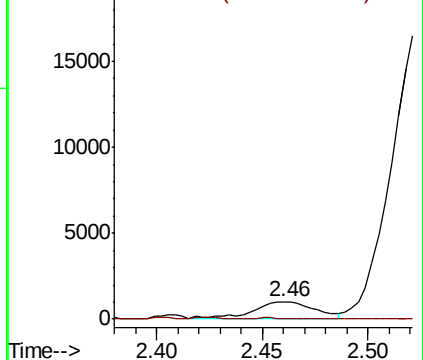
43 100

74 1.9 18.9 28.3#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 0.244 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.01 min

Lab File: VV013691.D

Acq: 20 Nov 2019 16:21

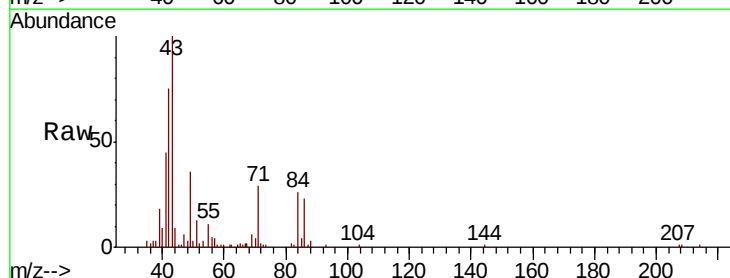
Tgt Ion: 84 Resp: 6784

Ion Ratio Lower Upper

84 100

86 90.3 44.1 81.9#

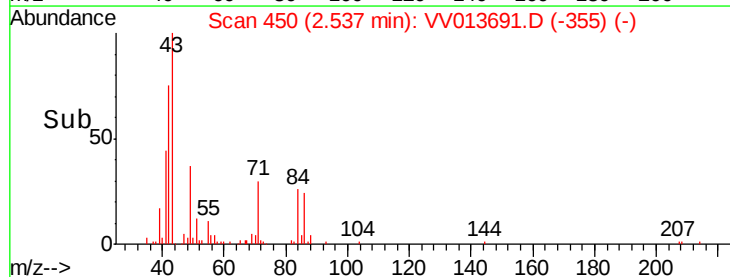
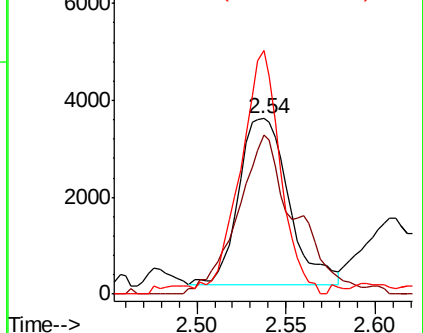
49 138.6 83.4 155.0

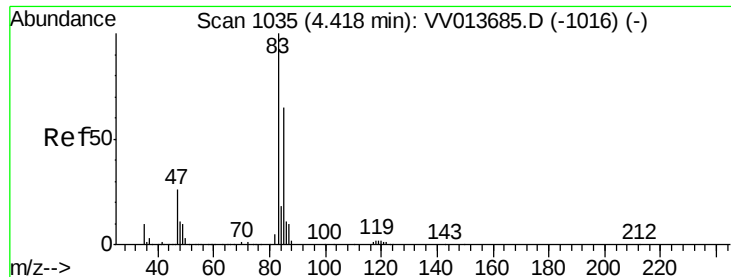


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#25

Chloroform

Concen: 0.461 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VV013691.D

Acq: 20 Nov 2019 16:21

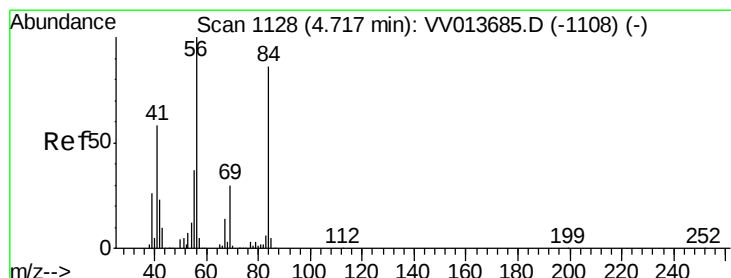
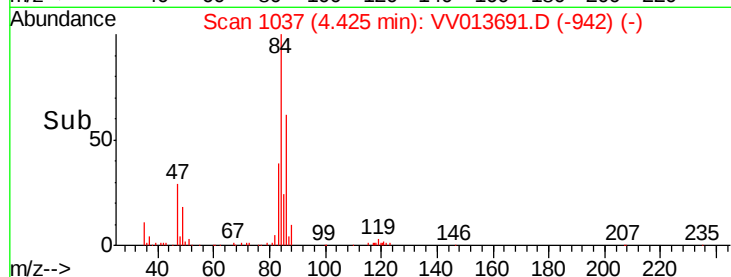
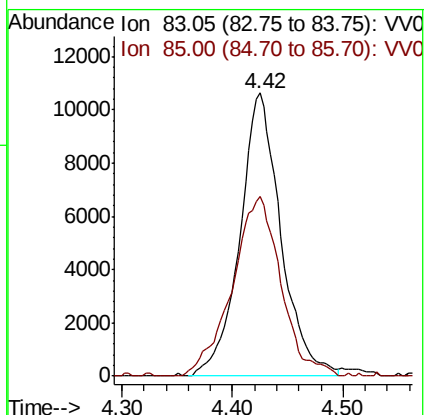
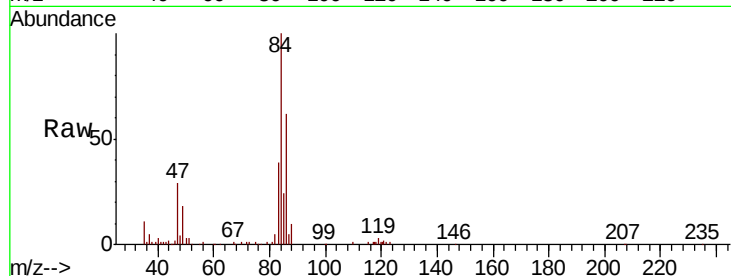
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 27472

Ion Ratio Lower Upper

83 100

85 63.5 44.4 82.5



#30

Cyclohexane

Concen: 0.712 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VV013691.D

Acq: 20 Nov 2019 16:21

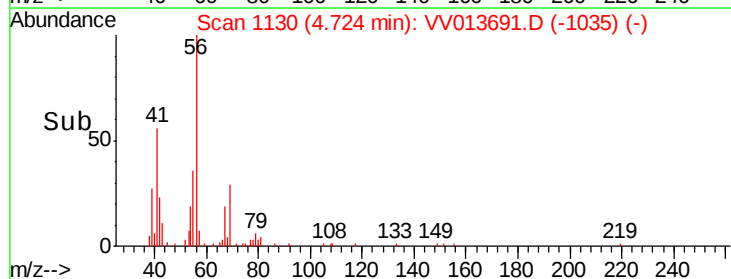
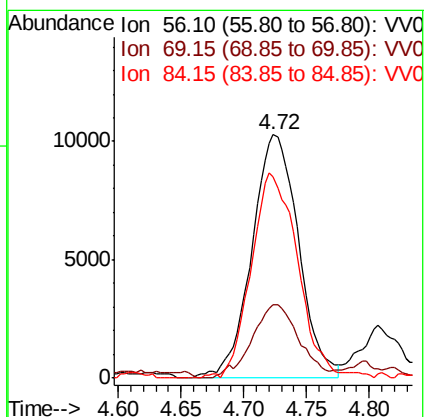
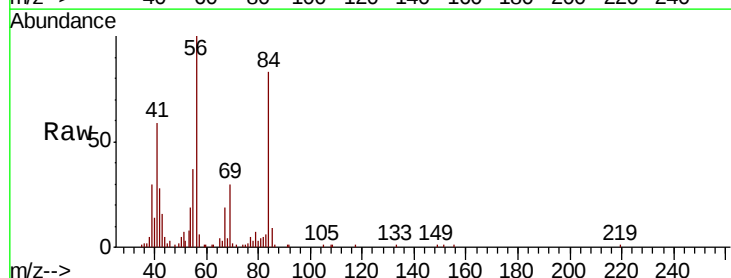
Tgt Ion: 56 Resp: 26626

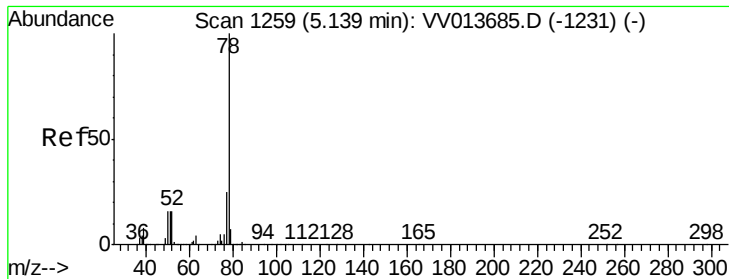
Ion Ratio Lower Upper

56 100

69 30.4 23.8 35.8

84 83.7 69.1 103.7





#33

Benzene

Concen: 0.496 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VV013691.D

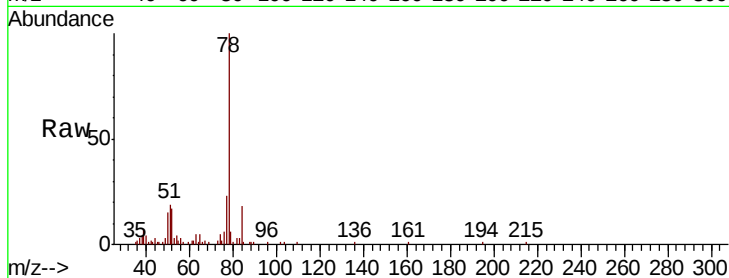
Acq: 20 Nov 2019 16:21

Instrument :

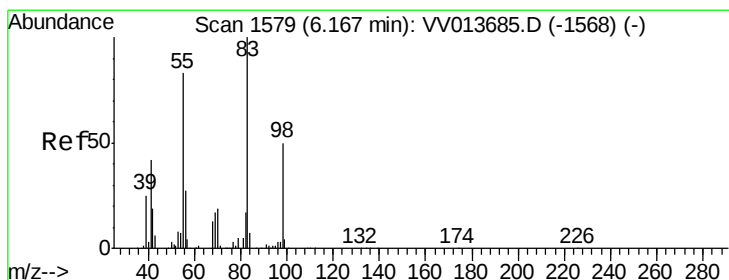
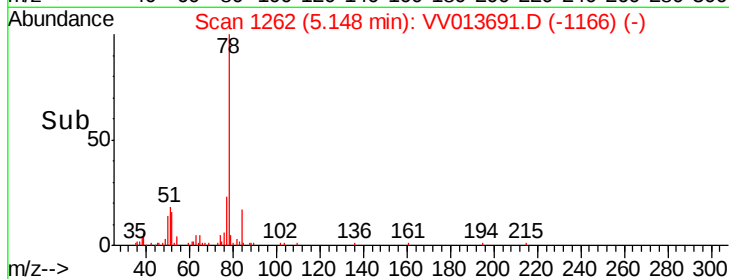
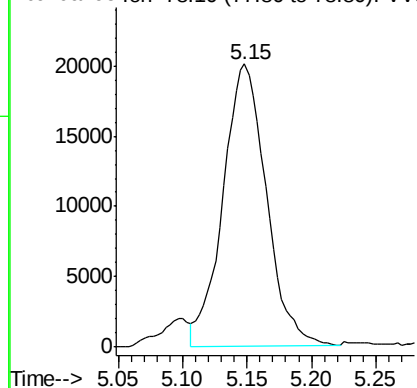
MSVOA_V

ClientSampled :

Tgt Ion: 78 Resp: 46744



Abundance Ion 78.10 (77.80 to 78.80): VV0



#35

Methylcyclohexane

Concen: 0.132 ug/L

RT: 6.17 min Scan# 1580

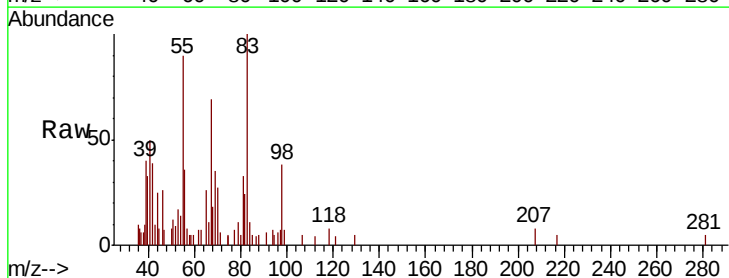
Delta R.T. 0.00 min

Lab File: VV013691.D

Acq: 20 Nov 2019 16:21

Tgt Ion: 83 Resp: 5065

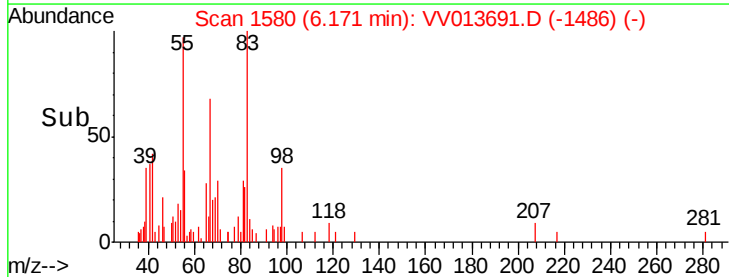
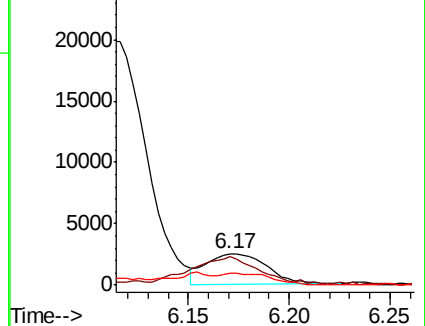
Ion	Ratio	Lower	Upper
83	100		
55	110.6	64.1	96.1#
98	32.0	38.2	57.2#

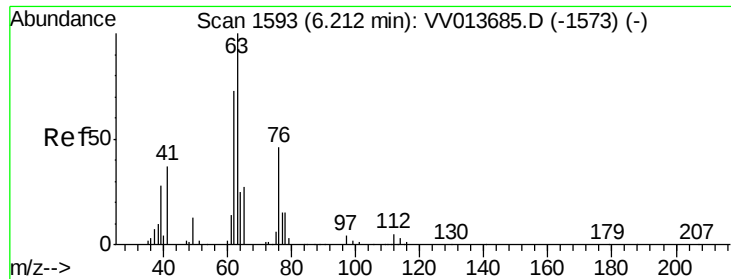


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.787 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV013691.D

Acq: 20 Nov 2019 16:21

Instrument :

MSVOA_V

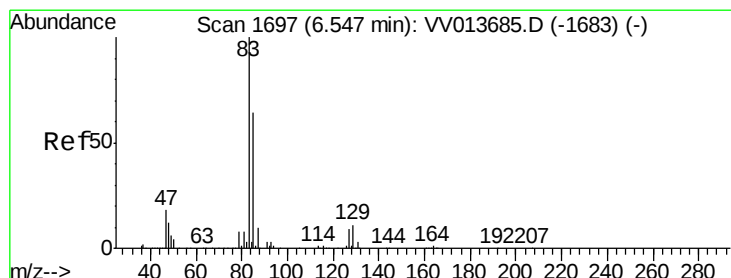
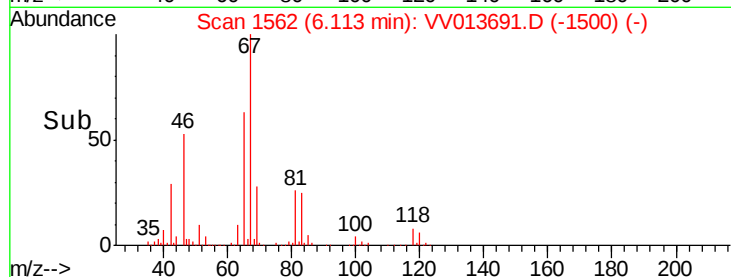
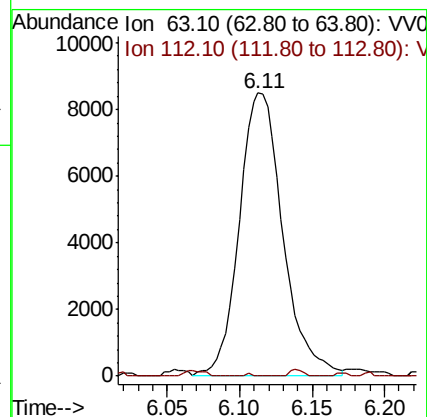
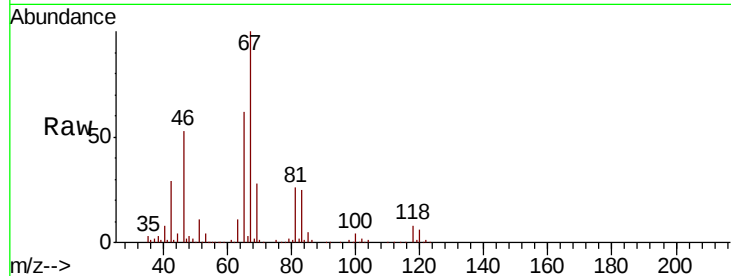
ClientSampleId :

Tot Ion: 63 Resp: 17753

Ion Ratio Lower Upper

63 100

112 0.1 4.1 6.1#



#38

Bromodichloromethane

Concen: 0.084 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VV013691.D

Acq: 20 Nov 2019 16:21

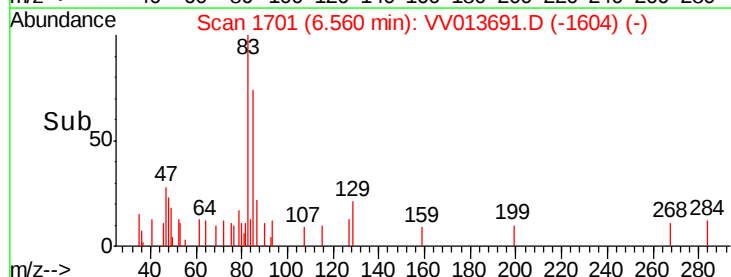
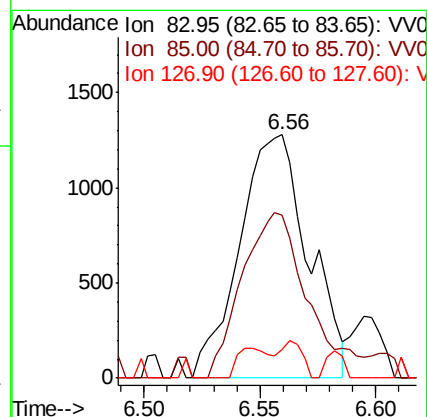
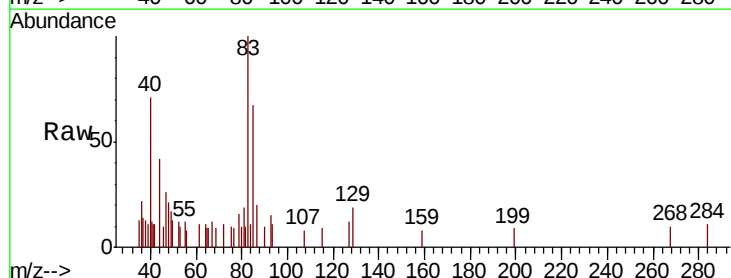
Tgt Ion: 83 Resp: 2638

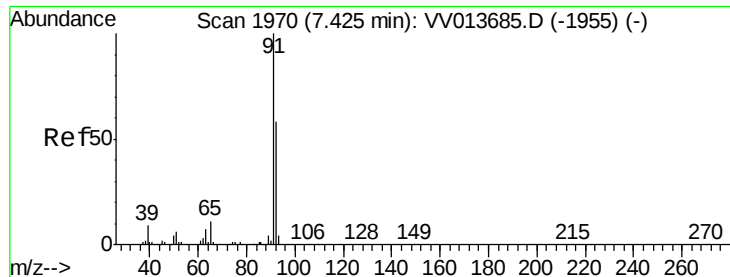
Ion Ratio Lower Upper

83 100

85 66.8 44.9 83.5

127 11.9 7.0 10.6#





#42

Toluene

Concen: 2.617 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013691.D

Acq: 20 Nov 2019 16:21

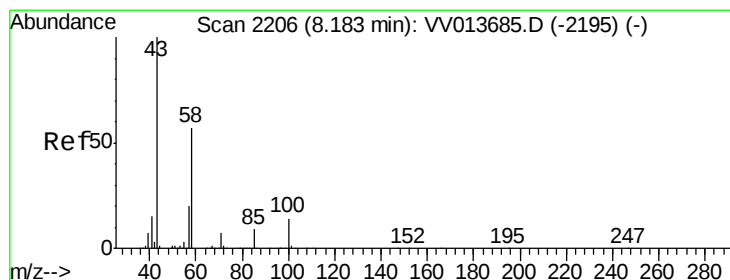
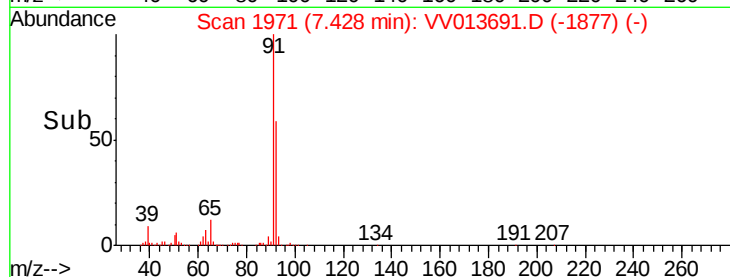
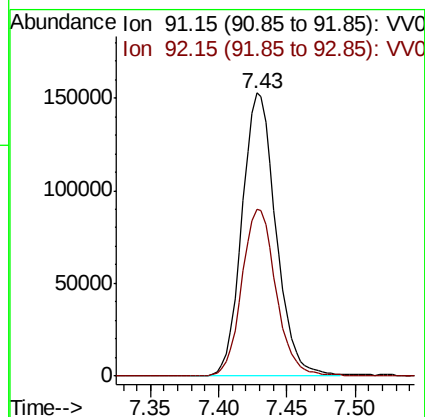
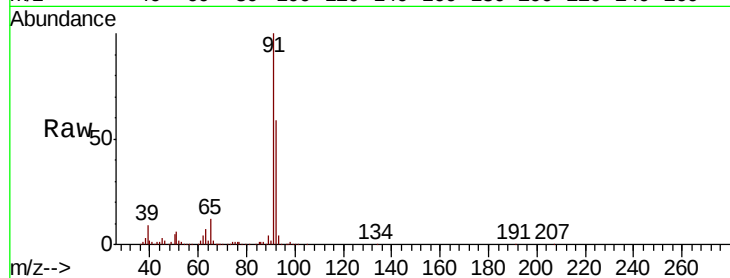
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 263315

Ion Ratio Lower Upper

91 100

92 59.1 41.2 76.6



#48

2-Hexanone

Concen: 1.701 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VV013691.D

Acq: 20 Nov 2019 16:21

Tgt Ion: 43 Resp: 15825

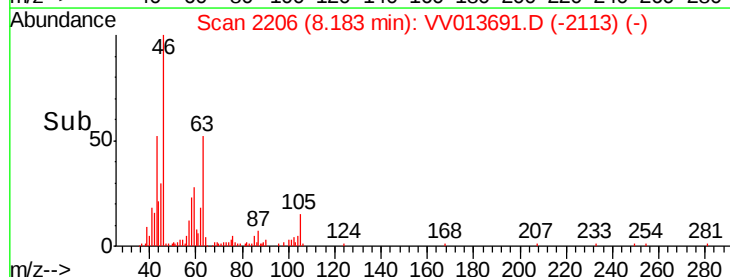
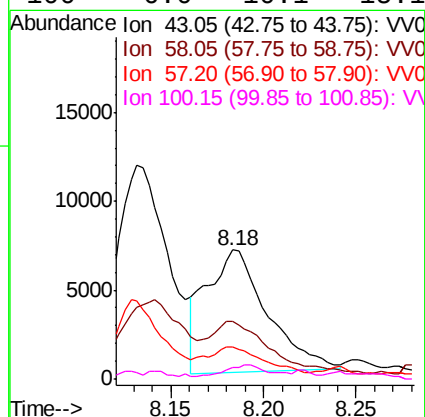
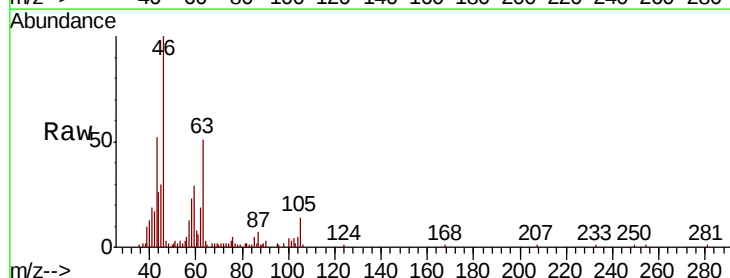
Ion Ratio Lower Upper

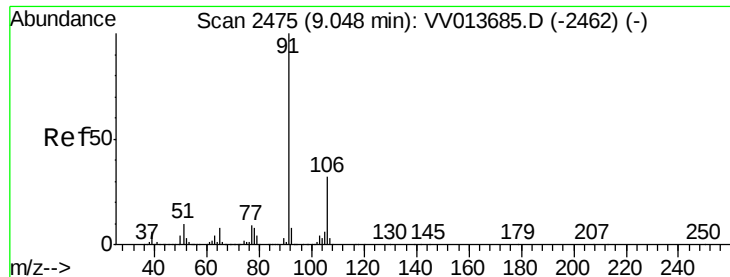
43 100

58 48.1 43.0 64.6

57 21.9 15.4 23.2

100 6.0 10.1 15.1#





#52

Ethylbenzene

Concen: 2.482 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013691.D

Acq: 20 Nov 2019 16:21

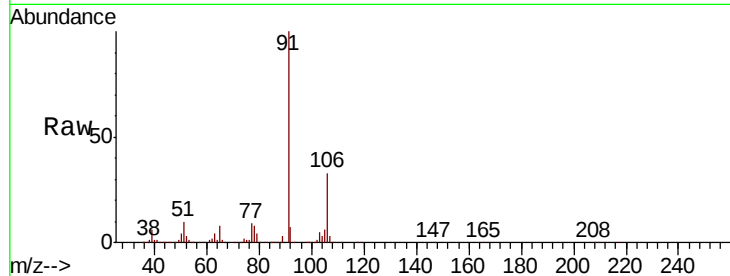
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 266139

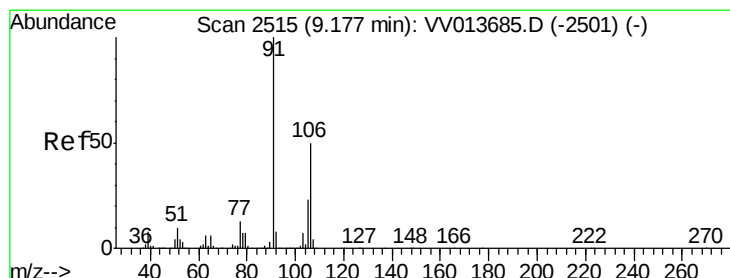
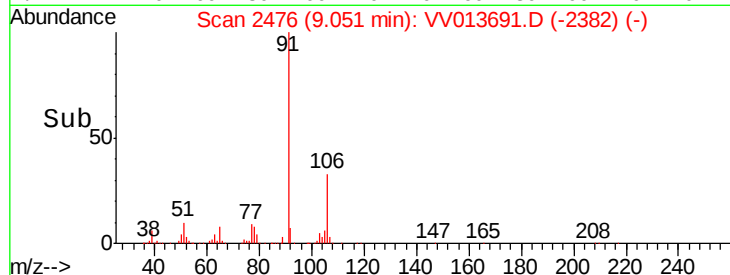
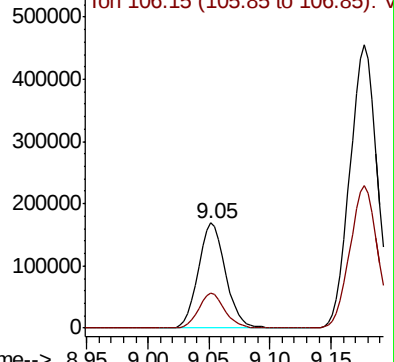
Ion Ratio Lower Upper

91 100

106 33.1 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV013685.D (-2462) (-)



#53

m,p-xylene

Concen: 9.007 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013691.D

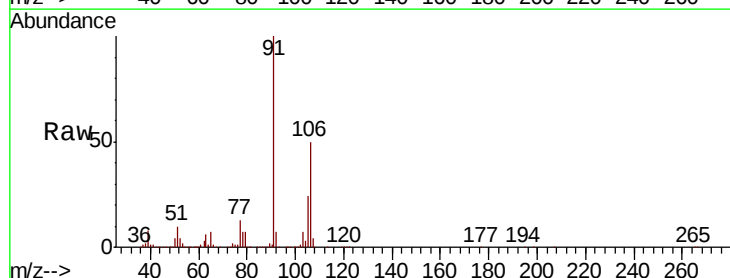
Acq: 20 Nov 2019 16:21

Tgt Ion: 106 Resp: 364311

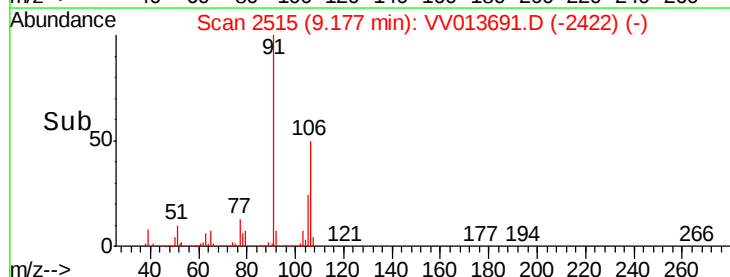
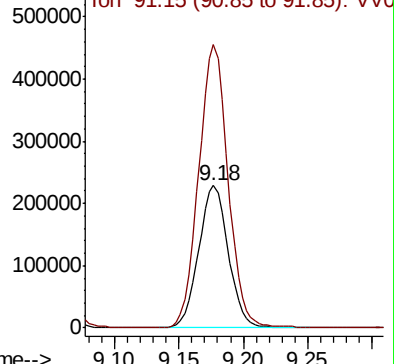
Ion Ratio Lower Upper

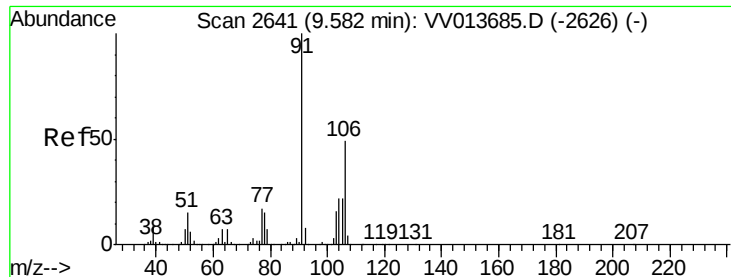
106 100

91 198.7 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VV013685.D (-2501) (-)





#54

o-xylene

Concen: 2.069 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013691.D

Acq: 20 Nov 2019 16:21

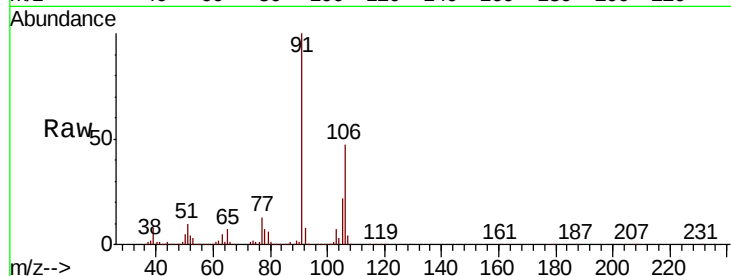
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 80470

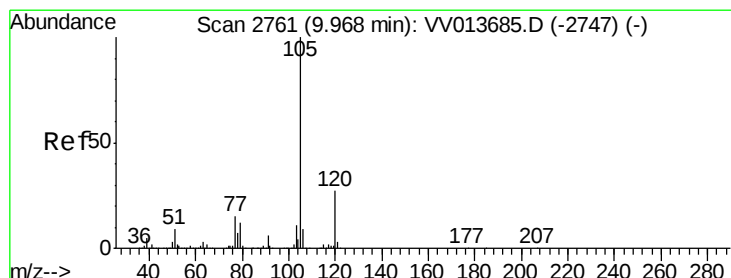
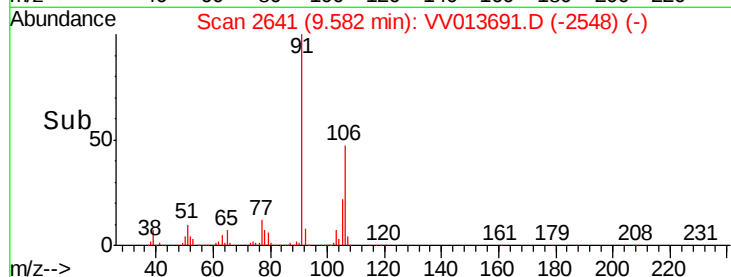
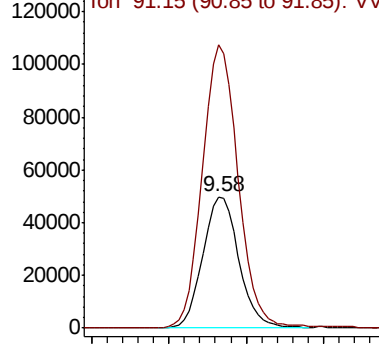
Ion Ratio Lower Upper

106 100

91 214.9 146.9 272.7



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0



#56

Isopropylbenzene

Concen: 0.147 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013691.D

Acq: 20 Nov 2019 16:21

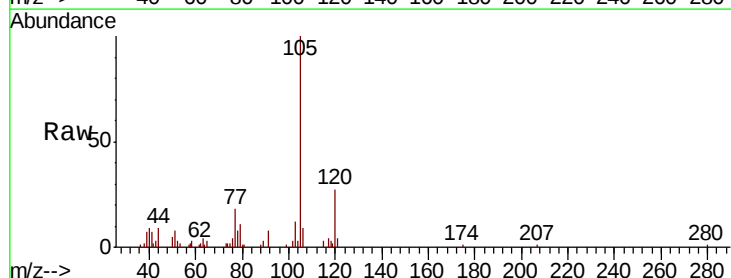
Tgt Ion:105 Resp: 15220

Ion Ratio Lower Upper

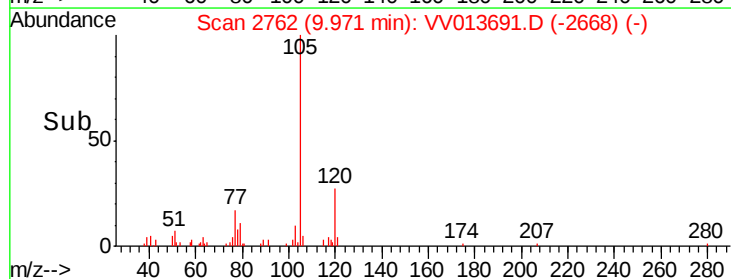
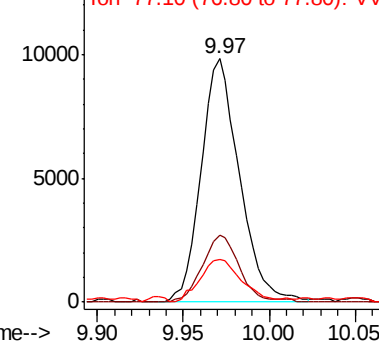
105 100

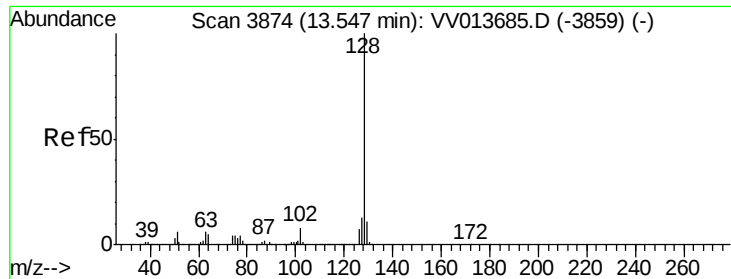
120 26.6 21.2 31.8

77 19.6 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





#69

Naphthalene

Concen: 0.426 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

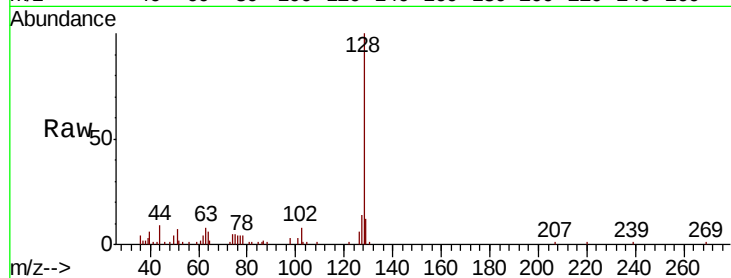
Lab File: VV013691.D

Acq: 20 Nov 2019 16:21

Instrument :

MSVOA_V

ClientSampleId :



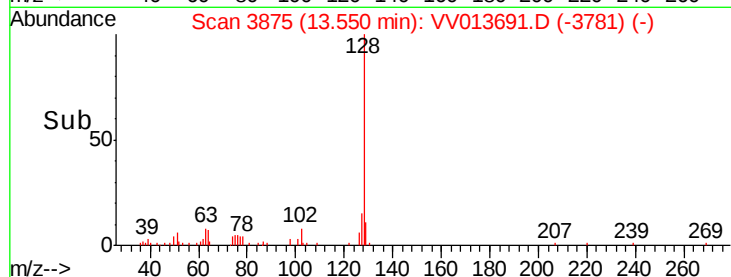
Tot Ion:128 Resp: 22806

Ion Ratio Lower Upper

128 100

129 11.6 8.6 13.0

127 14.5 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

