

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122719\
 Data File : VV014204.D
 Acq On : 27 Dec 2019 20:43
 Operator : SY/MD
 Sample : K6432-09
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF6X7

Quant Time: Dec 28 01:10:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 28 01:05:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	810756	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	737289	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	346461	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	202245	5.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.40%
7) Chloroethane-d5	1.58	69	173523	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.80%
11) 1,1-Dichloroethene-d2	2.13	63	244722	3.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.80%
20) 2-Butanone-d5	3.92	46	587482	62.28	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.56%
24) Chloroform-d	4.40	84	424847	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.08	65	218096	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.10	84	891809	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.12	67	279734	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.36	98	795718	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
43) trans-1,3-Dichloropropene-	7.66	79	108709	3.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.80%
46) 2-Hexanone-d5	8.13	63	507193	49.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.04%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	205736	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	262829	4.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3530	0.096	ug/L #	30
13) Acetone	2.19	43	33084	5.687	ug/L	91
14) Carbon disulfide	2.32	76	162733	1.038	ug/L	97
15) Methyl Acetate	2.47	43	5025	0.261	ug/L #	62
17) Methyl tert-butyl Ether	2.80	73	20060	0.151	ug/L #	55
33) Benzene	5.15	78	38980	0.171	ug/L	100
35) Methylcyclohexane	6.12	83	65488	0.643	ug/L #	20
37) 1,2-Dichloropropane	6.12	63	28822	0.520	ug/L #	87
42) Toluene	7.43	91	37583	0.150	ug/L	90
48) 2-Hexanone	8.13	43	63720	2.674	ug/L #	68
52) Ethylbenzene	9.05	91	133704	0.481	ug/L	100
53) m,p-xylene	9.18	106	46342	0.443	ug/L	95
54) o-xylene	9.59	106	37045	0.363	ug/L	99
56) Isopropylbenzene	9.97	105	38143	0.143	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.50	75	5887	0.680	ug/L #	5
69) Naphthalene	13.55	128	10659693	79.911	ug/L	98

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QLast Update : Sat Dec 28 01:05:52 2019
Response via : Initial Calibration

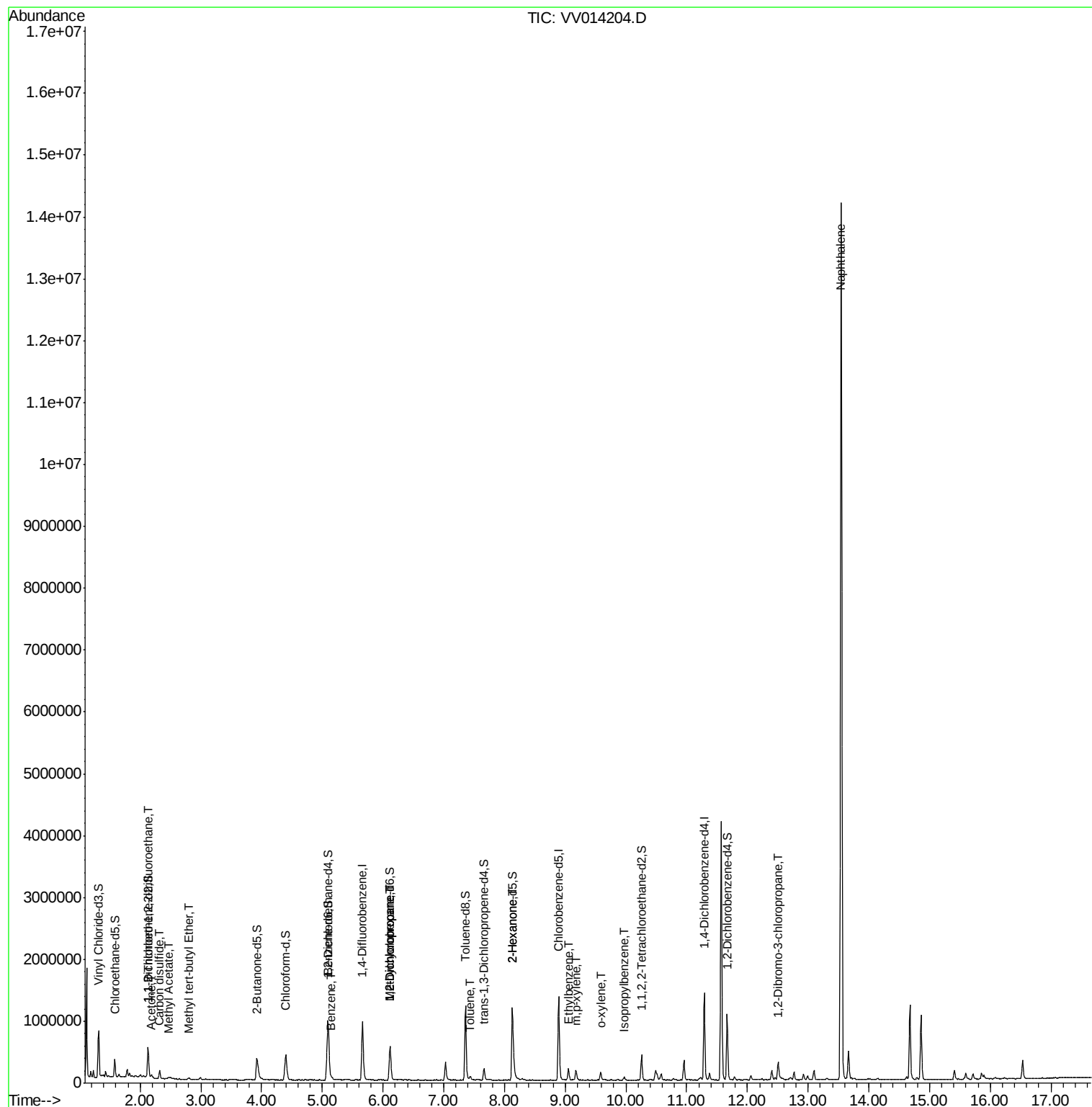
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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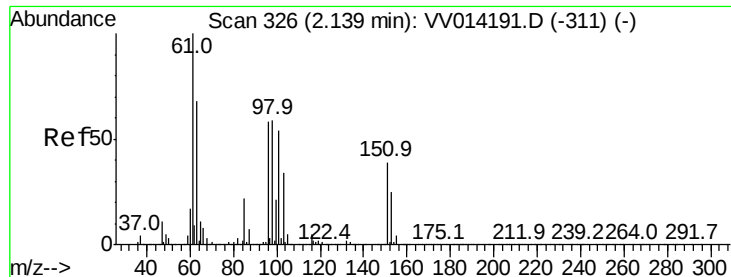
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.096 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV014204.D

Acq: 27 Dec 2019 20:43

Instrument :

MSVOA_V

ClientSampleId :

BF6X7

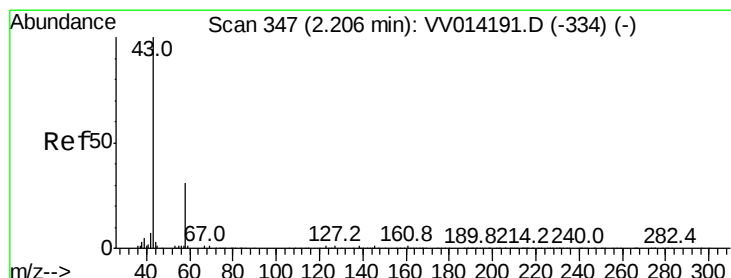
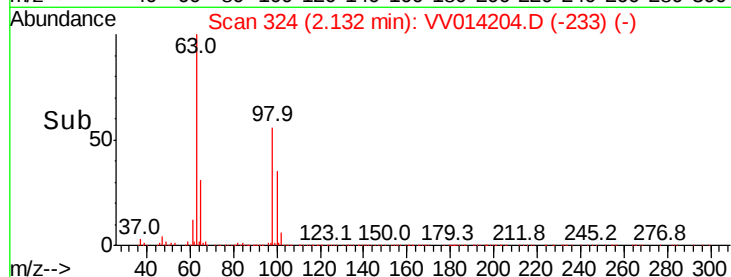
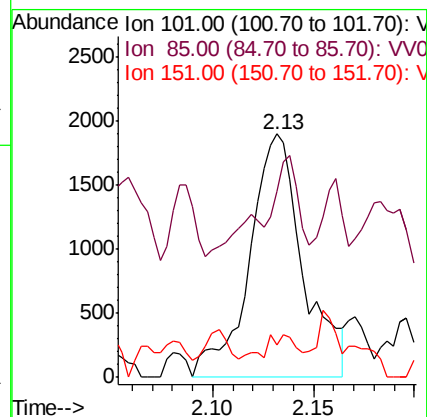
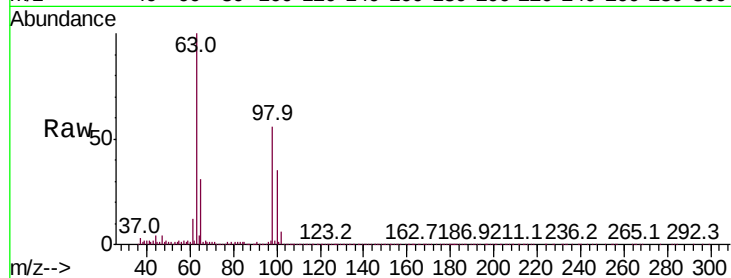
Tot Ion:101 Resp: 3530

Ion Ratio Lower Upper

101 100

85 14.1 34.9 52.3#

151 5.3 62.5 93.7#



#13

Acetone

Concen: 5.687 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.02 min

Lab File: VV014204.D

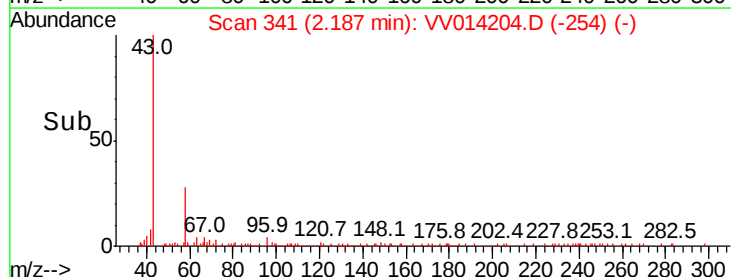
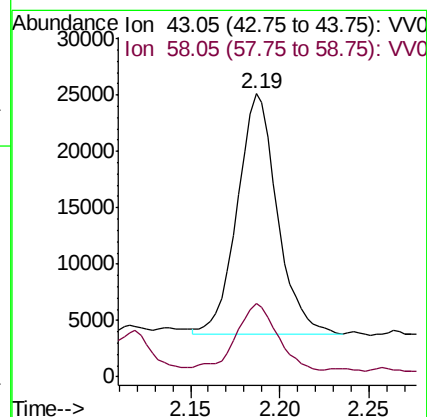
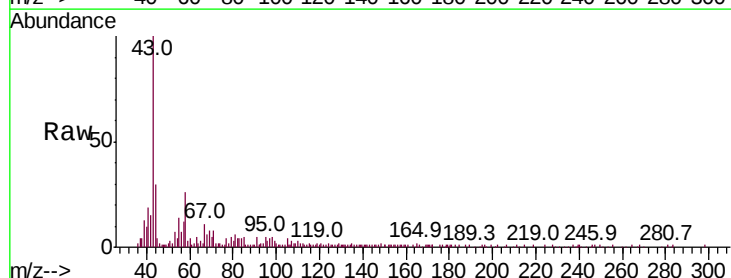
Acq: 27 Dec 2019 20:43

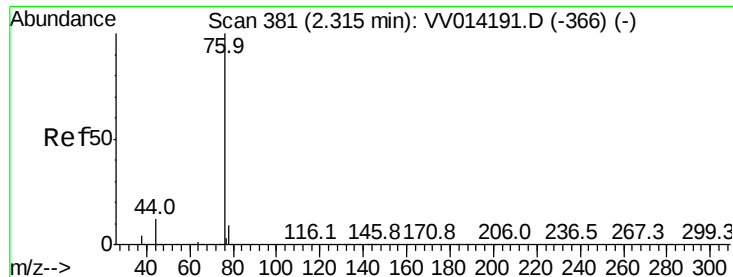
Tgt Ion: 43 Resp: 33084

Ion Ratio Lower Upper

43 100

58 27.9 0.0 66.0





#14

Carbon disulfide

Concen: 1.038 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VV014204.D

Acq: 27 Dec 2019 20:43

Instrument :

MSVOA_V

ClientSampleId :

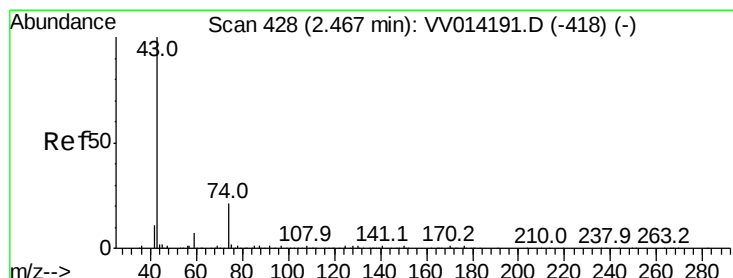
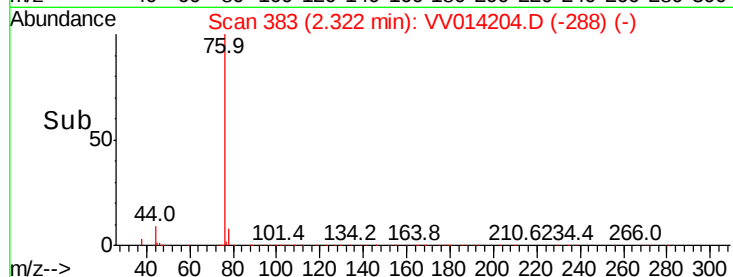
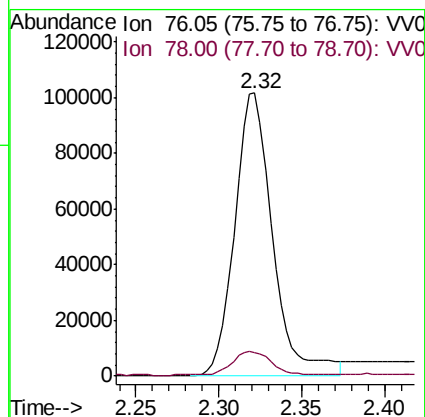
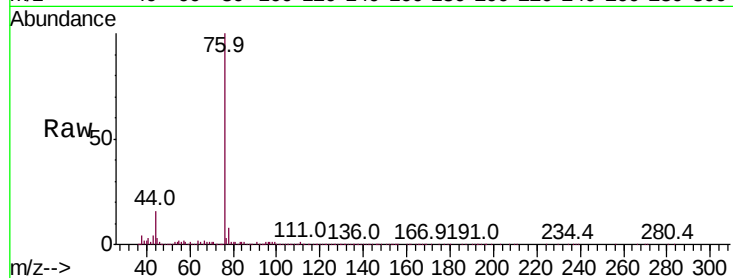
BF6X7

Tot Ion: 76 Resp: 162733

Ion Ratio Lower Upper

76 100

78 8.2 7.5 11.3



#15

Methyl Acetate

Concen: 0.261 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VV014204.D

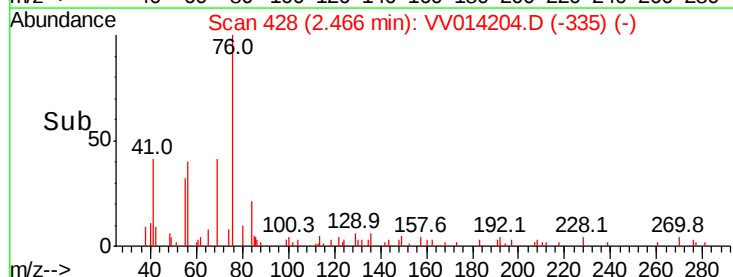
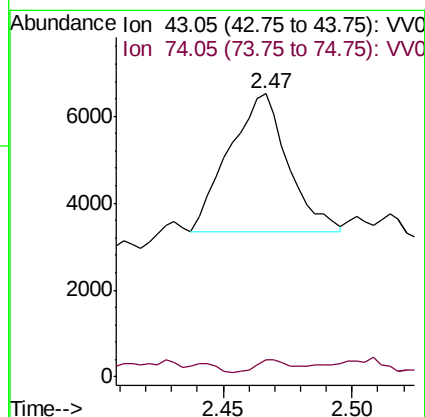
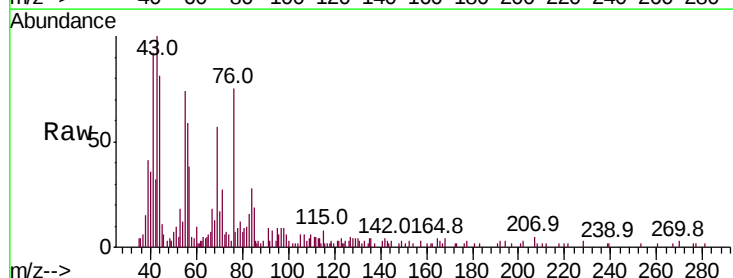
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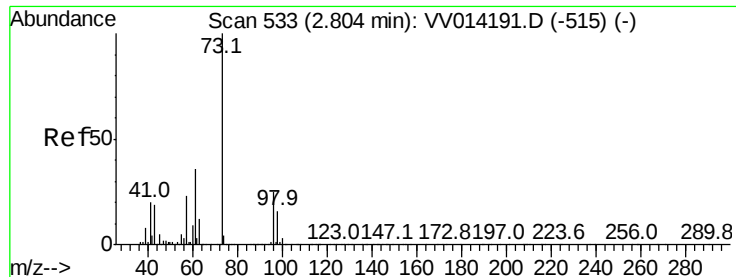
Tgt Ion: 43 Resp: 5025

Ion Ratio Lower Upper

43 100

74 5.0 18.6 28.0#

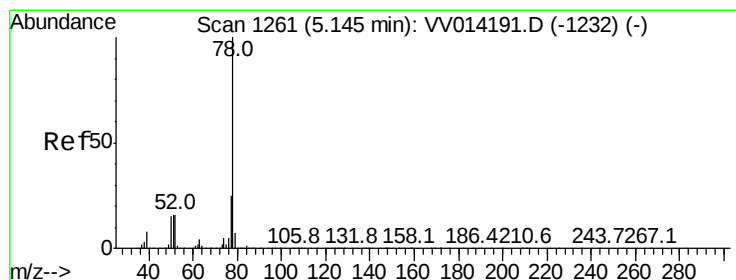
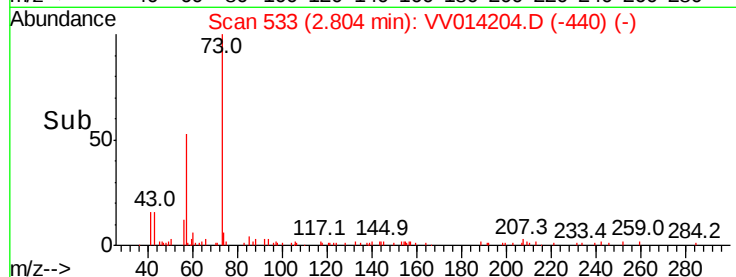
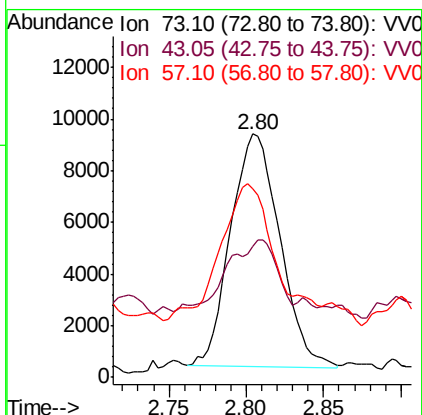
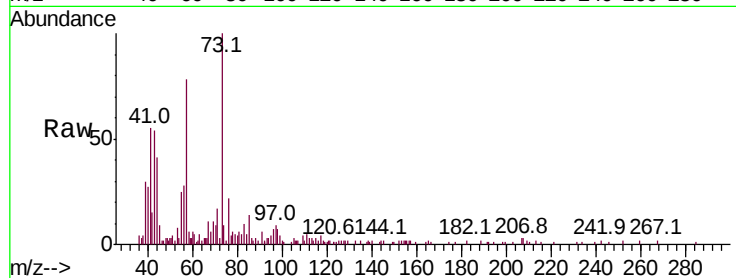




#17
Methvl tert-butvl Ether
Concen: 0.151 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV014204.D
Acq: 27 Dec 2019 20:43

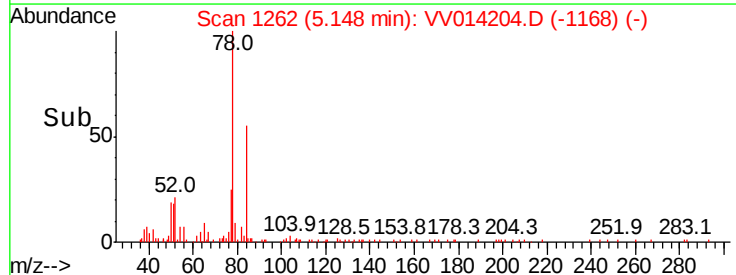
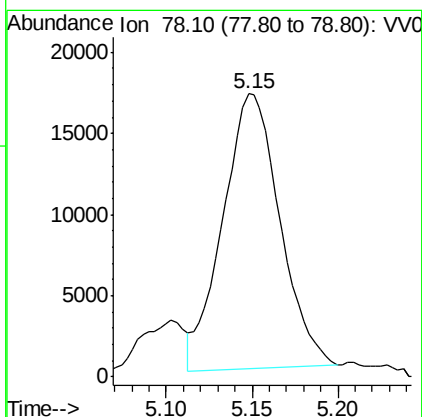
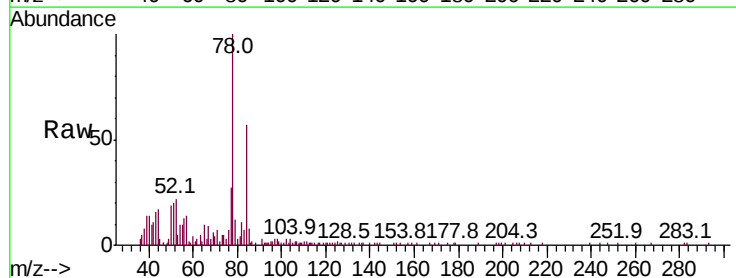
Instrument :
MSVOA_V
ClientSampleId :
BF6X7

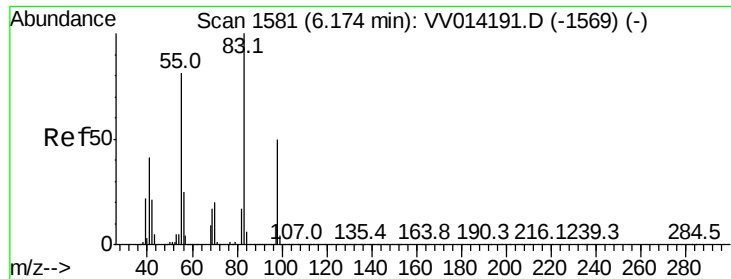
Tot Ion: 73 Resp: 20060
Ion Ratio Lower Upper
73 100
43 31.3 14.7 22.1#
57 50.2 17.9 26.9#



#33
Benzene
Concen: 0.171 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV014204.D
Acq: 27 Dec 2019 20:43

Tgt Ion: 78 Resp: 38980

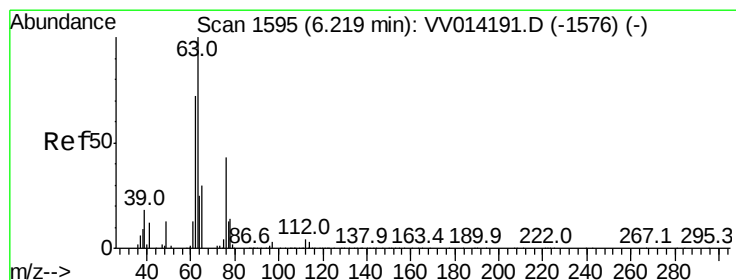
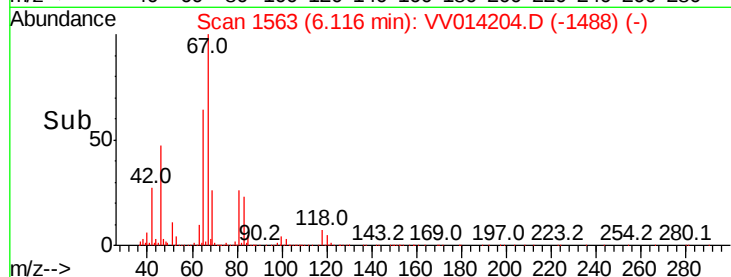
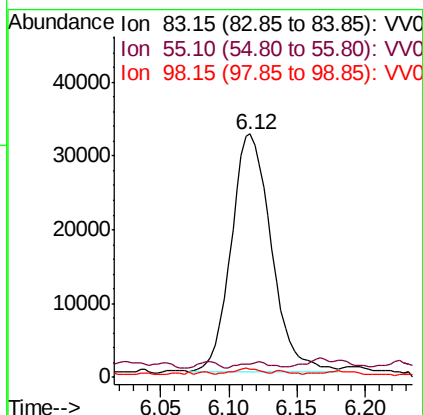
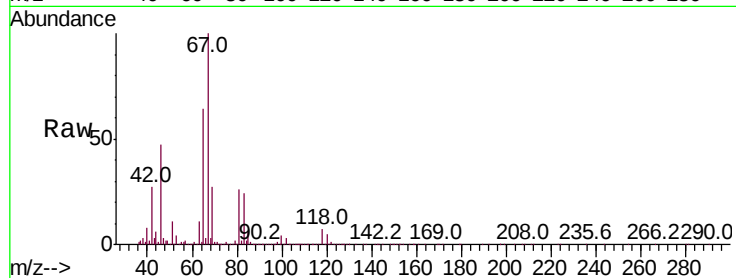




#35
Methvlcvclohexane
Concen: 0.643 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV014204.D
Acq: 27 Dec 2019 20:43

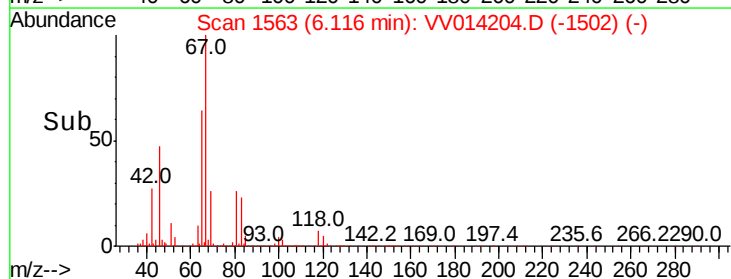
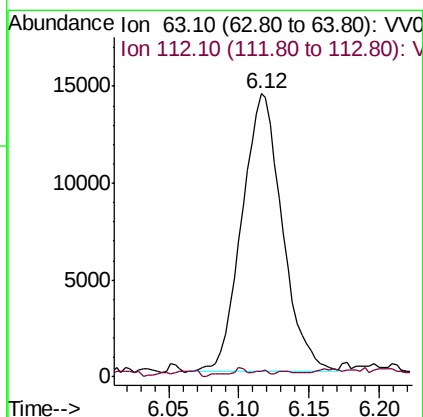
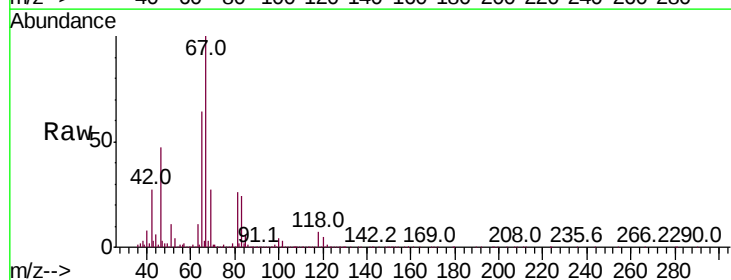
Instrument :
MSVOA_V
ClientSampleId :
BF6X7

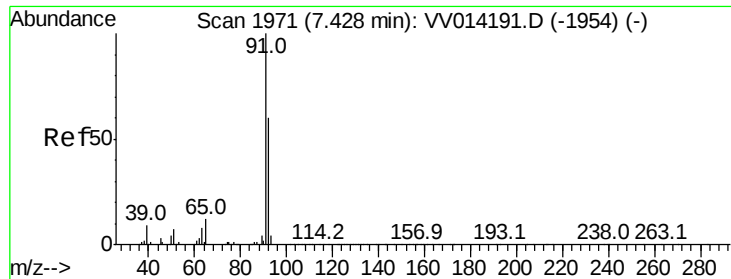
Tot Ion	Ratio	Lower	Upper
83	100		
55	1.6	61.7	92.5#
98	2.1	38.1	57.1#



#37
1,2-Dichloropropane
Concen: 0.520 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV014204.D
Acq: 27 Dec 2019 20:43

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.3	3.7	5.5#





#42

Toluene

Concen: 0.150 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV014204.D

Acq: 27 Dec 2019 20:43

Instrument :

MSVOA_V

ClientSampleId :

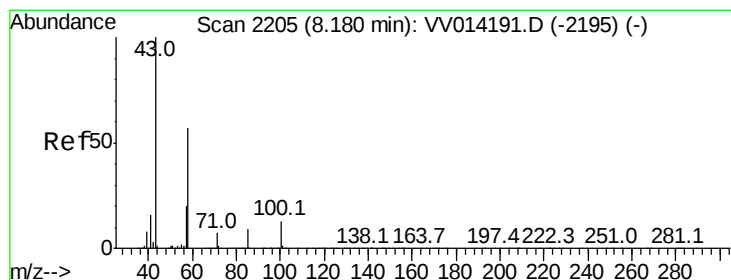
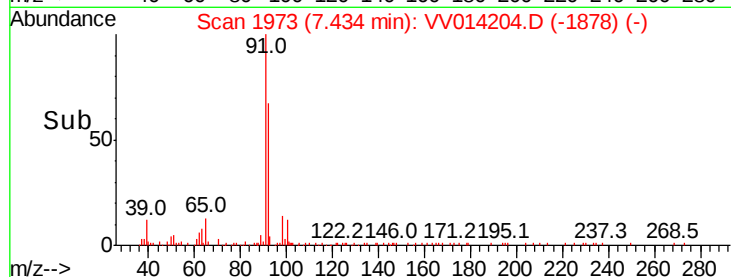
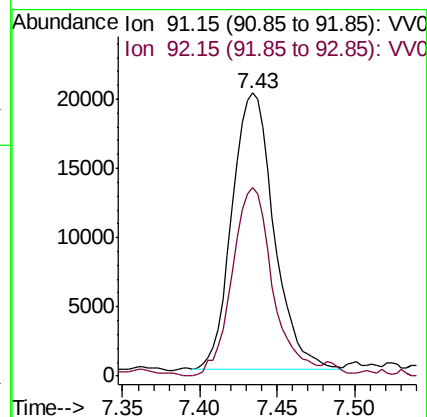
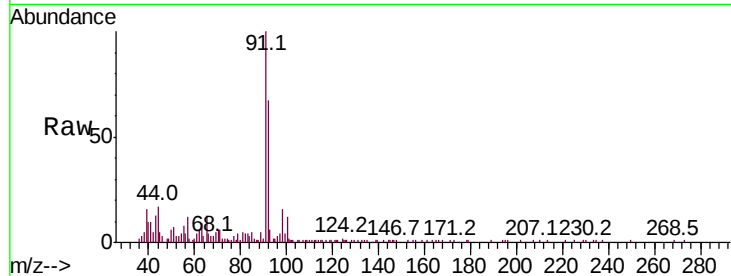
BF6X7

Tot Ion: 91 Resp: 37583

Ion Ratio Lower Upper

91 100

92 66.5 41.2 76.6



#48

2-Hexanone

Concen: 2.674 ug/L

RT: 8.13 min Scan# 2190

Delta R.T. -0.05 min

Lab File: VV014204.D

Acq: 27 Dec 2019 20:43

Tgt Ion: 43 Resp: 63720

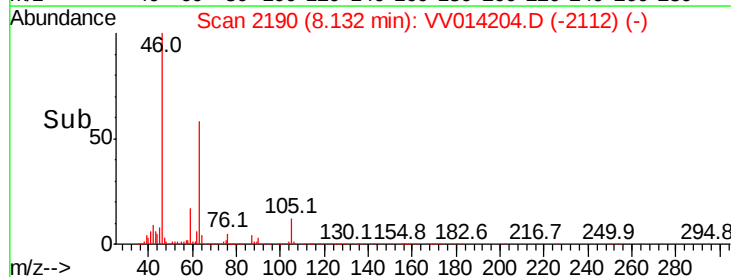
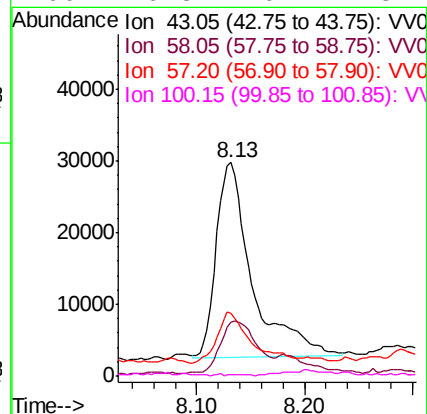
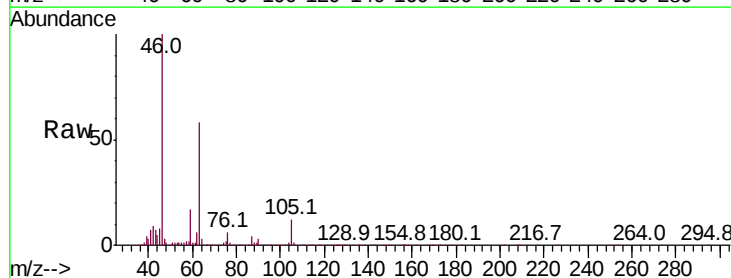
Ion Ratio Lower Upper

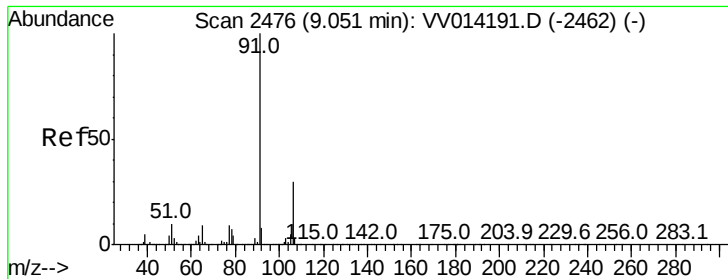
43 100

58 27.1 45.4 68.0#

57 24.4 15.8 23.8#

100 0.3 10.2 15.4#





#52

Ethylbenzene

Concen: 0.481 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV014204.D

Acq: 27 Dec 2019 20:43

Instrument :

MSVOA_V

ClientSampleId :

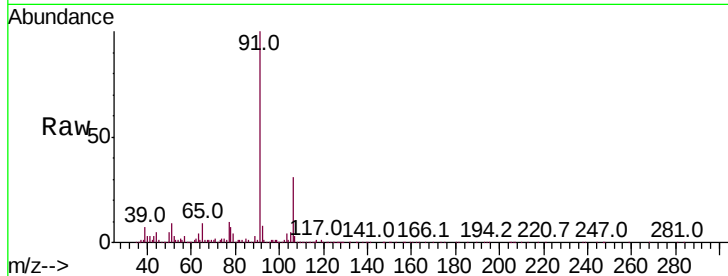
BF6X7

Tot Ion: 91 Resp: 133704

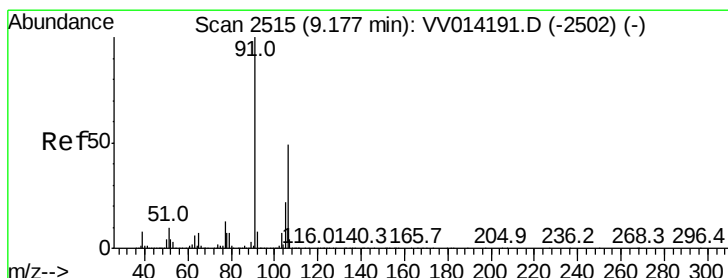
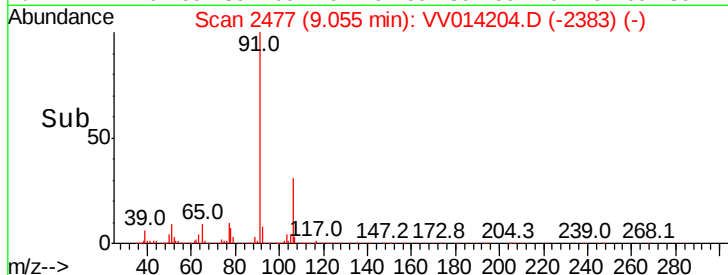
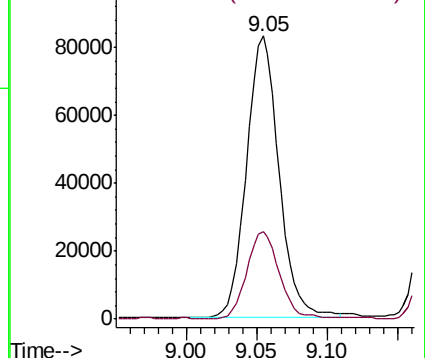
Ion Ratio Lower Upper

91 100

106 30.7 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV014191.D (-2462) (-)



#53

m,p-xylene

Concen: 0.443 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014204.D

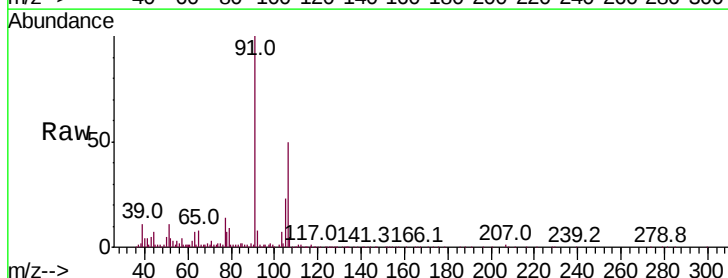
Acq: 27 Dec 2019 20:43

Tgt Ion: 106 Resp: 46342

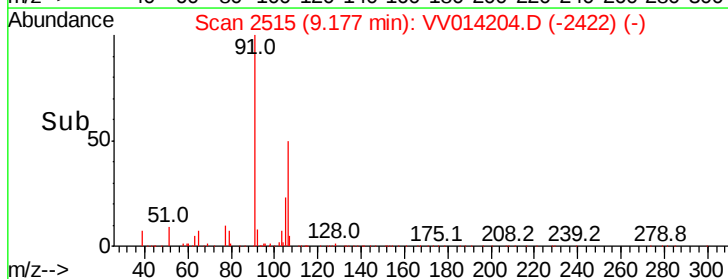
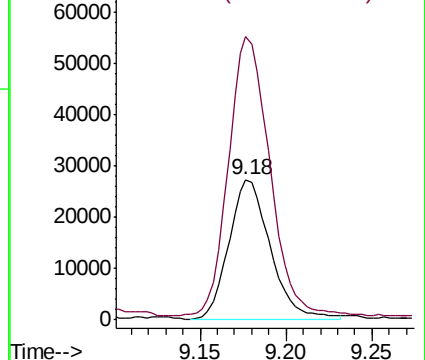
Ion Ratio Lower Upper

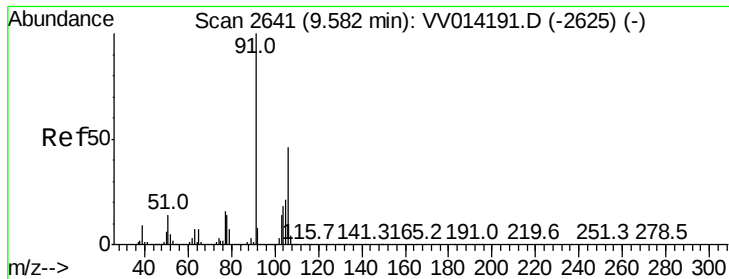
106 100

91 201.7 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): VV014191.D (-2502) (-)





#54

o-xylene

Concen: 0.363 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV014204.D

Acq: 27 Dec 2019 20:43

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ClientSampleId :

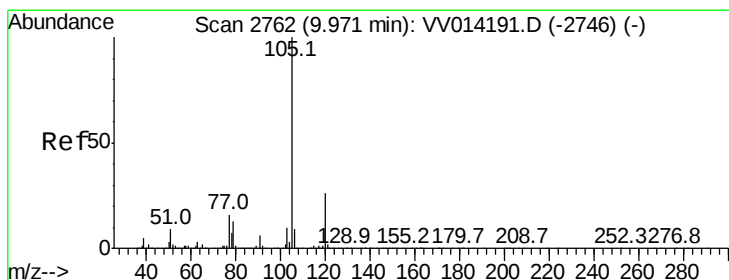
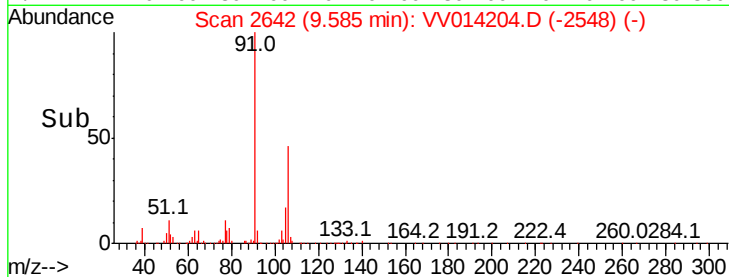
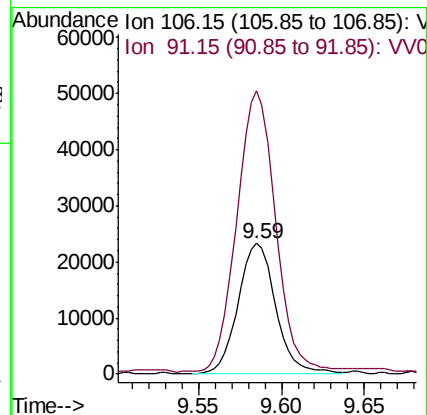
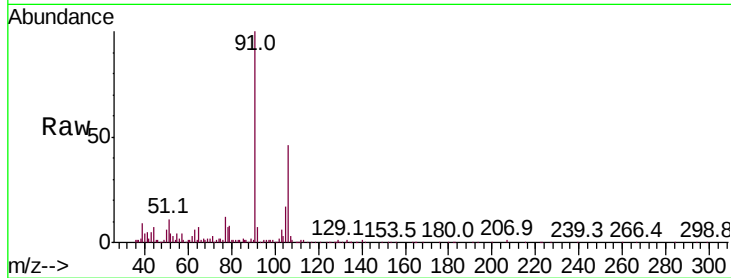
BF6X7

Tot Ion:106 Resp: 37045

Ion Ratio Lower Upper

106 100

91 216.7 150.9 280.3



#56

Isopropylbenzene

Concen: 0.143 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV014204.D

Acq: 27 Dec 2019 20:43

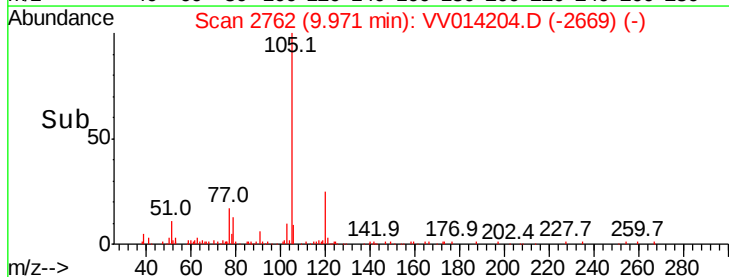
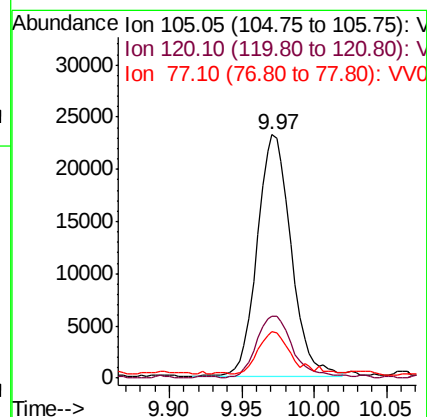
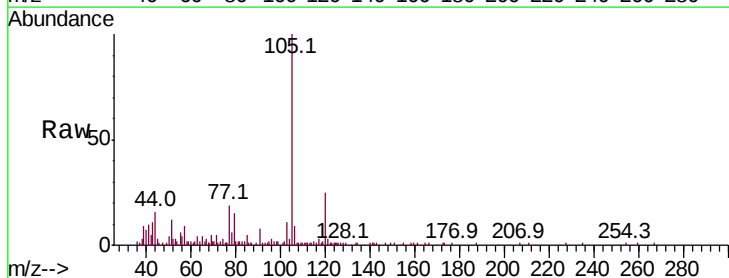
Tgt Ion:105 Resp: 38143

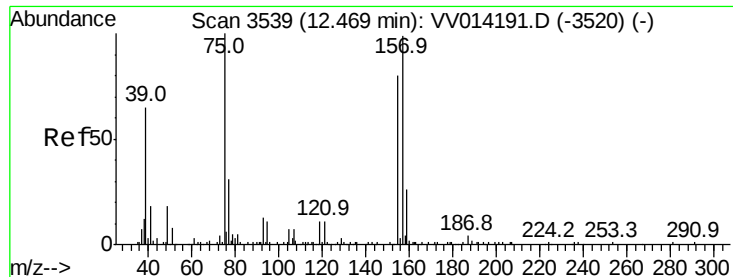
Ion Ratio Lower Upper

105 100

120 27.8 21.0 31.4

77 15.7 12.5 18.7

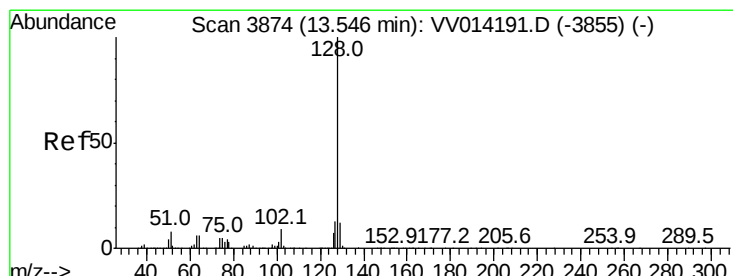
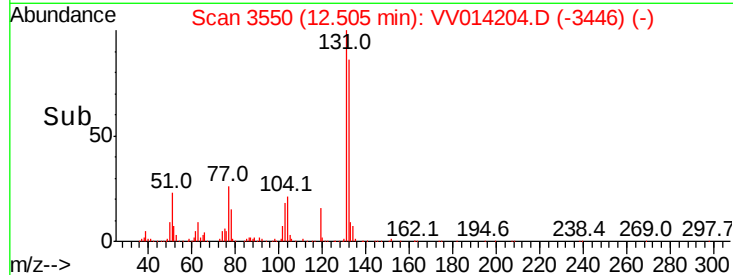
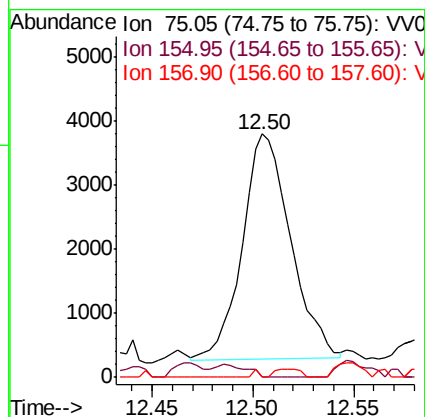
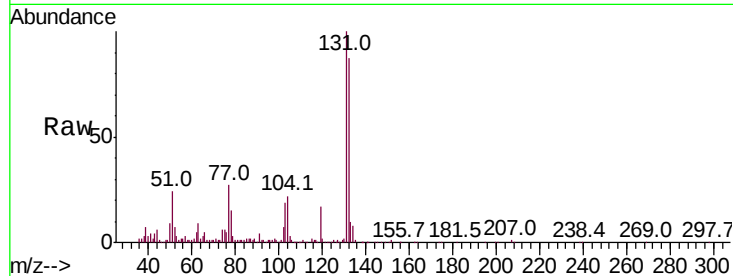




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.680 ug/L
 RT: 12.50 min Scan# 3550
 Delta R.T. 0.04 min
 Lab File: VV014204.D
 Acq: 27 Dec 2019 20:43

Instrument :
 MSVOA_V
 ClientSampleId :
 BF6X7

Tot Ion: 75 Resp: 5887
 Ion Ratio Lower Upper
 75 100
 155 0.0 56.9 85.3#
 157 0.0 82.0 123.0#



#69
 Naphthalene
 Concen: 79.911 ug/L
 RT: 13.55 min Scan# 3874
 Delta R.T. -0.00 min
 Lab File: VV014204.D
 Acq: 27 Dec 2019 20:43

Tgt Ion: 128 Resp: 10659693
 Ion Ratio Lower Upper
 128 100
 129 11.5 8.6 13.0
 127 13.5 10.2 15.2

