

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122719\
 Data File : VV014199.D
 Acq On : 27 Dec 2019 18:43
 Operator : SY/MD
 Sample : K6432-04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF6X2

Quant Time: Dec 28 01:09:26 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	523877	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	448369	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	190522	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	151950	6.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	123.80%
7) Chloroethane-d5	1.58	69	133508	6.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	130.60%#
11) 1,1-Dichloroethene-d2	2.13	63	187201	4.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.00%
20) 2-Butanone-d5	3.92	46	654633	107.41	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	214.82%#
24) Chloroform-d	4.40	84	321261	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
26) 1,2-Dichloroethane-d4	5.08	65	191924	6.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	129.40%
32) Benzene-d6	5.10	84	675243	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.20%
36) 1,2-Dichloropropane-d6	6.12	67	224434	6.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	121.20%
41) Toluene-d8	7.36	98	587498	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
43) trans-1,3-Dichloropropene-	7.66	79	95512	5.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	115.20%
46) 2-Hexanone-d5	8.13	63	539014	85.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	171.34%#
57) 1,1,2,2-Tetrachloroethane-	10.26	84	205427	7.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	155.20%#
64) 1,2-Dichlorobenzene-d4	11.67	152	179983	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.26	50	15852	0.440	ug/L	94
6) Bromomethane	1.54	94	4643	0.293	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2523	0.106	ug/L #	35
12) 1,1-Dichloroethene	2.13	96	4030	0.174	ug/L #	1
13) Acetone	2.18	43	85549	22.757	ug/L	99
14) Carbon disulfide	2.32	76	120628	1.191	ug/L	98
15) Methyl Acetate	2.47	43	9192	0.738	ug/L	99
21) 2-Butanone	4.03	43	9513	1.363	ug/L	93
27) 1,2-Dichloroethane	5.19	62	3531	0.093	ug/L #	1
33) Benzene	5.15	78	21753	0.157	ug/L	100
34) Trichloroethene	5.96	95	4061	0.109	ug/L #	71
37) 1,2-Dichloropropane	6.23	63	2186	0.065	ug/L #	93
39) cis-1,3-Dichloropropene	7.03	75	6585	0.119	ug/L #	41
42) Toluene	7.43	91	55035	0.361	ug/L	99
48) 2-Hexanone	8.13	43	57819	3.990	ug/L #	87
53) m,p-xylene	9.18	106	10759	0.169	ug/L	86
54) o-xylene	9.59	106	5375	0.087	ug/L	97

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

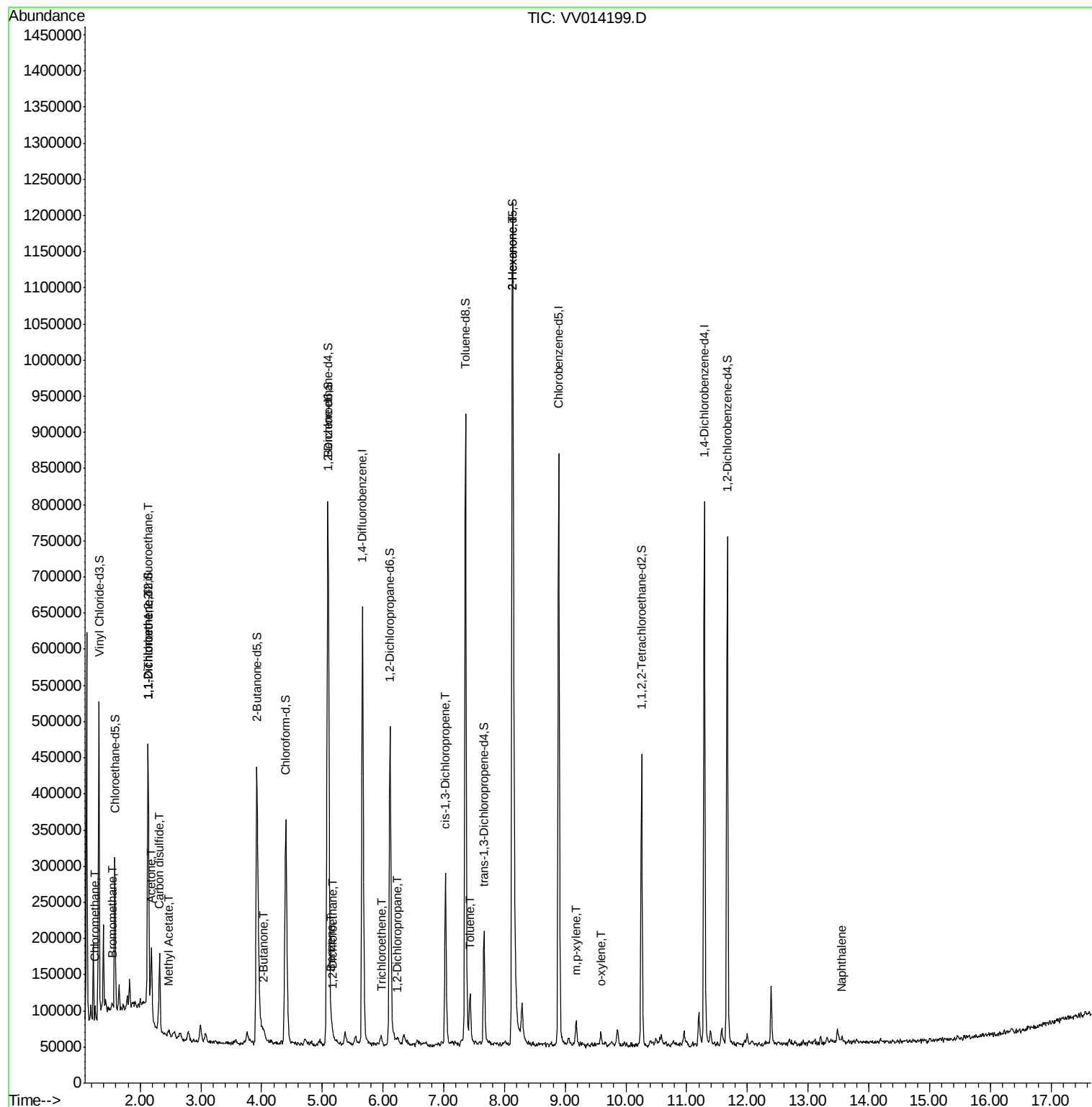
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.56	128	7175	0.098	ug/L #	89

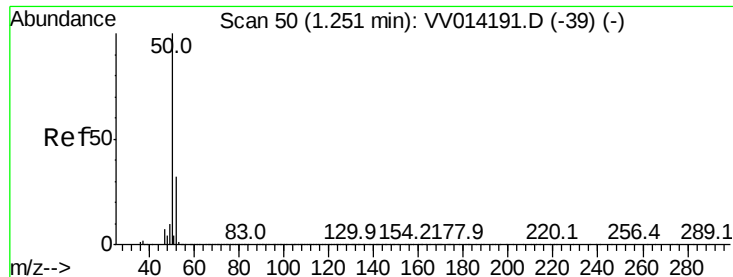
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.440 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.01 min

Lab File: VV014199.D

Acq: 27 Dec 2019 18:43

Instrument :

MSVOA_V

ClientSampleId :

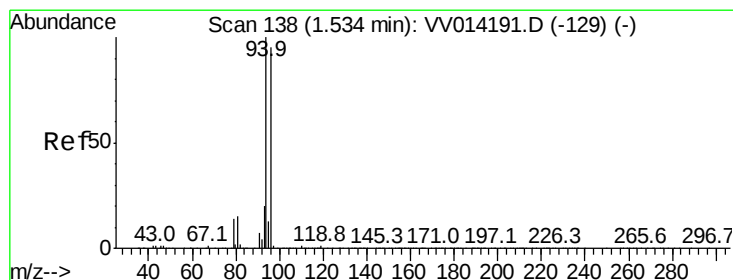
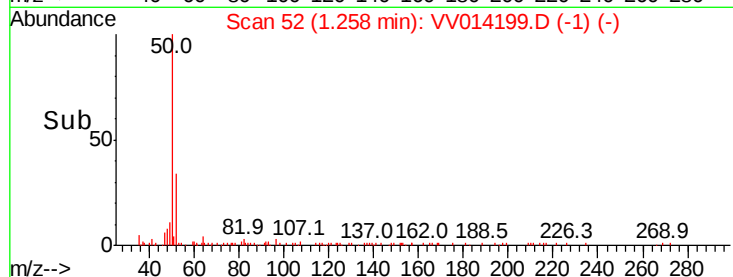
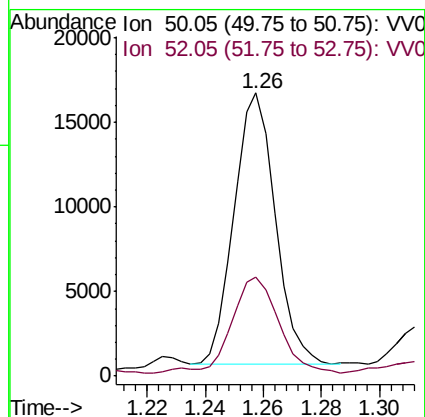
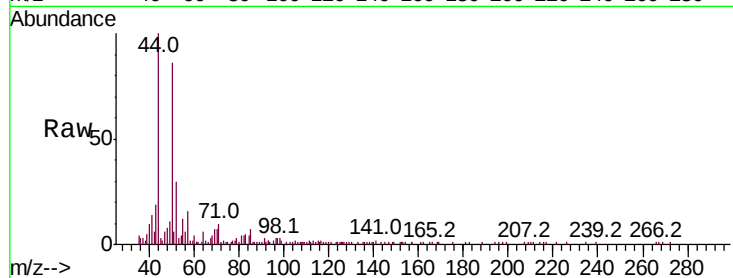
BF6X2

Tot Ion: 50 Resp: 15852

Ion Ratio Lower Upper

50 100

52 35.1 22.3 41.3



#6

Bromomethane

Concen: 0.293 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014199.D

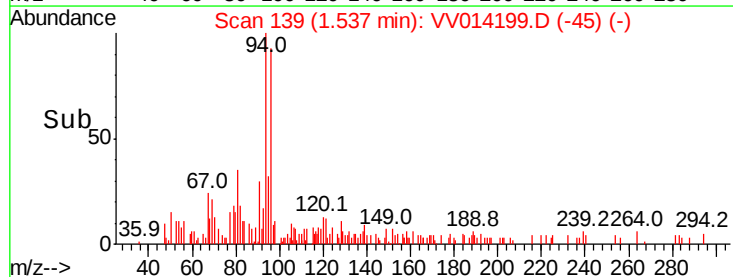
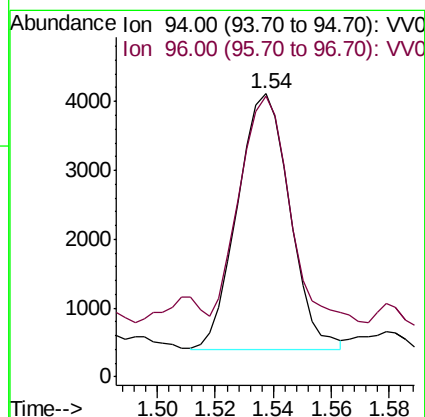
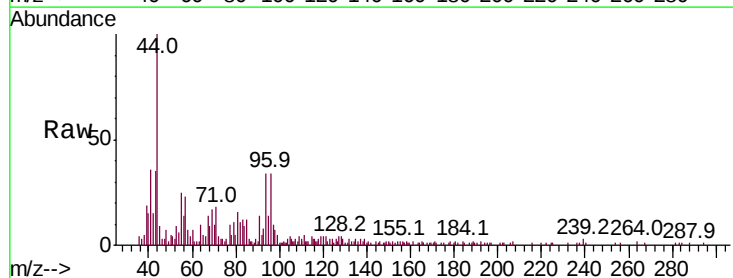
Acq: 27 Dec 2019 18:43

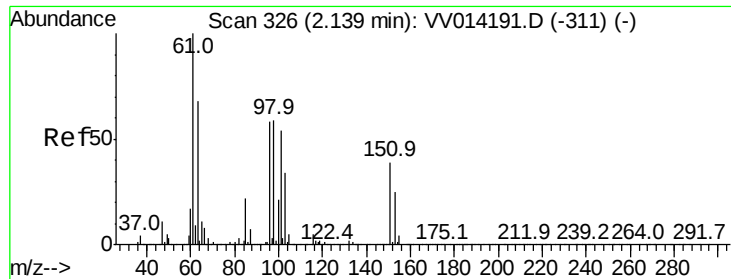
Tgt Ion: 94 Resp: 4643

Ion Ratio Lower Upper

94 100

96 99.0 66.9 124.3





#10

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

Concen: 0.106 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV014199.D

Acq: 27 Dec 2019 18:43

Instrument :

MSVOA_V

ClientSampleId :

BF6X2

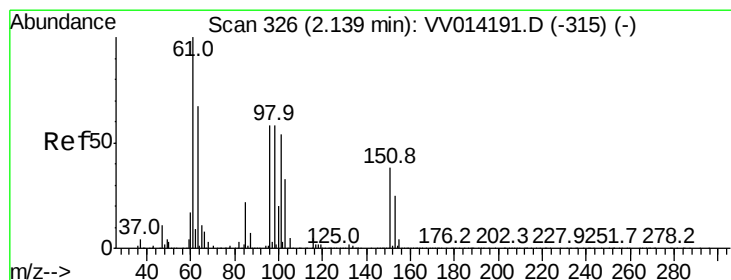
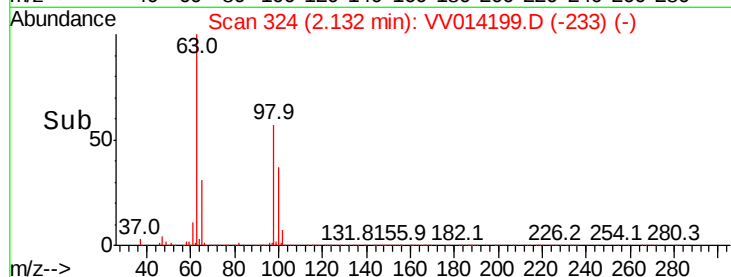
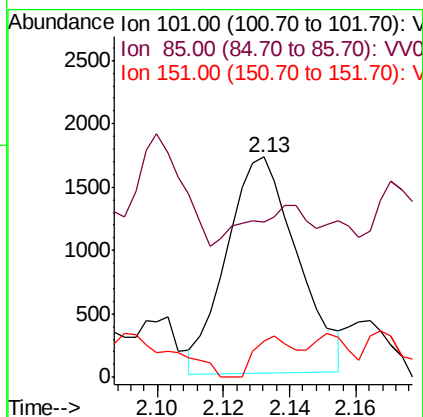
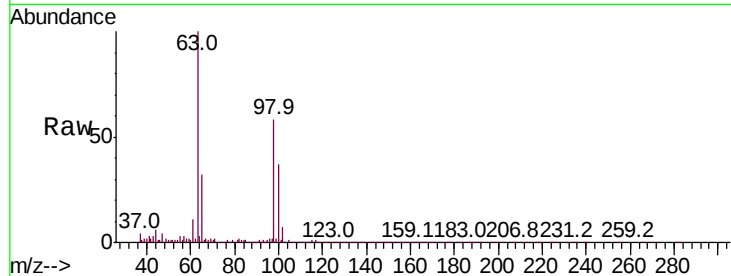
Tot Ion:101 Resp: 2523

Ion Ratio Lower Upper

101 100

85 15.7 34.9 52.3#

151 11.7 62.5 93.7#



#12

1,1-Dichloroethene

Concen: 0.174 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV014199.D

Acq: 27 Dec 2019 18:43

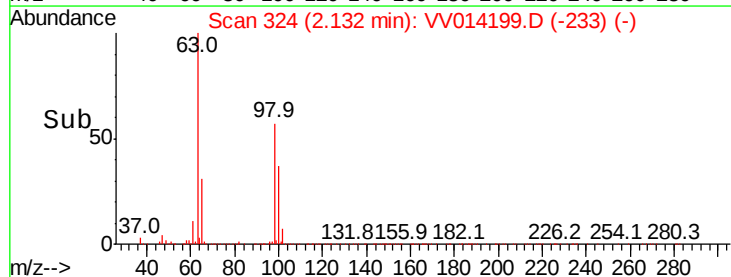
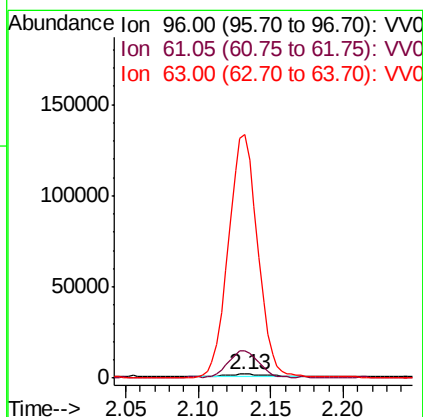
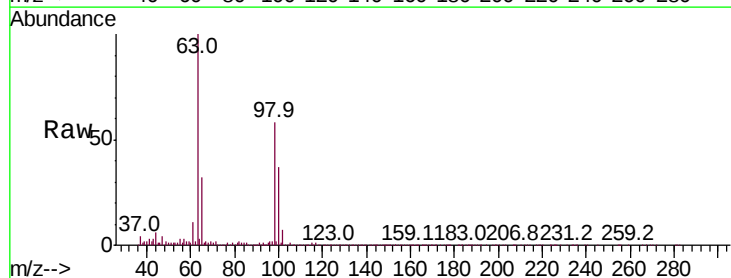
Tgt Ion: 96 Resp: 4030

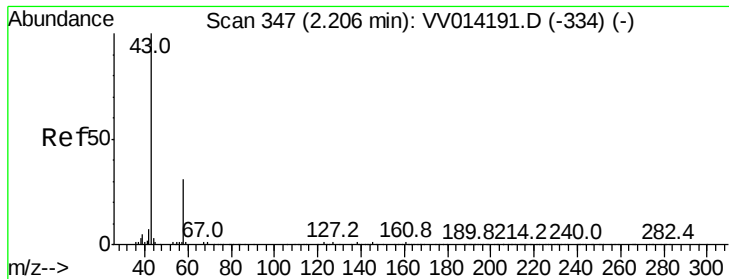
Ion Ratio Lower Upper

96 100

61 701.8 121.5 225.7#

63 6169.3 90.3 167.7#





#13

Acetone

Concen: 22.757 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.02 min

Lab File: VV014199.D

Acq: 27 Dec 2019 18:43

Instrument :

MSVOA_V

ClientSampleId :

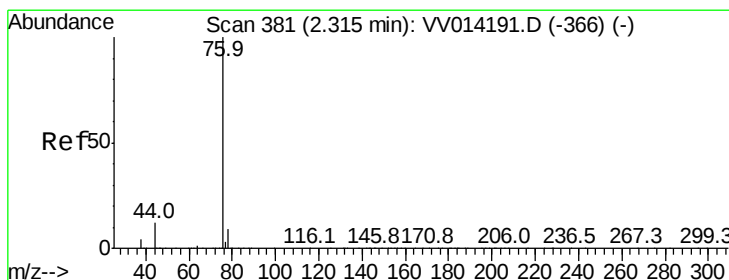
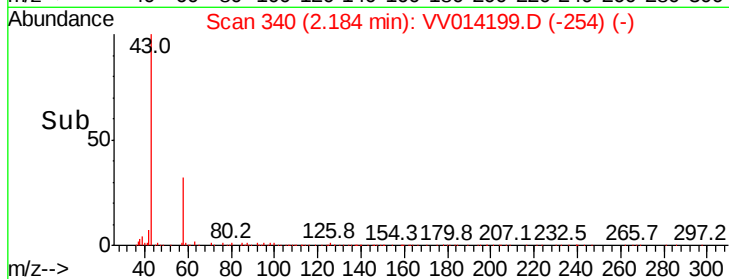
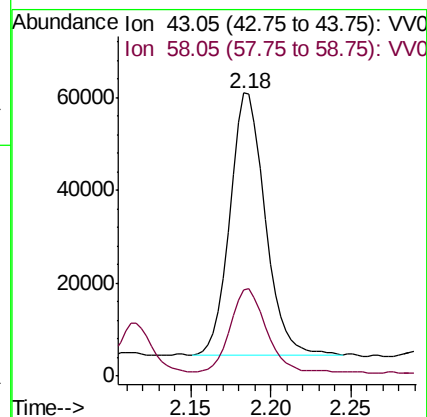
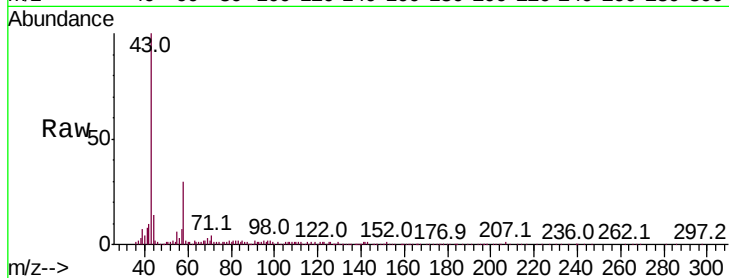
BF6X2

Tot Ion: 43 Resp: 85549

Ion Ratio Lower Upper

43 100

58 32.2 0.0 66.0



#14

Carbon disulfide

Concen: 1.191 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014199.D

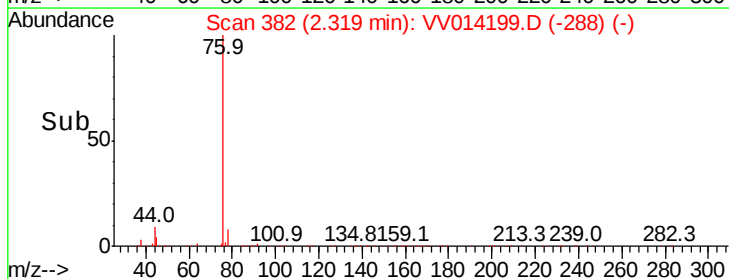
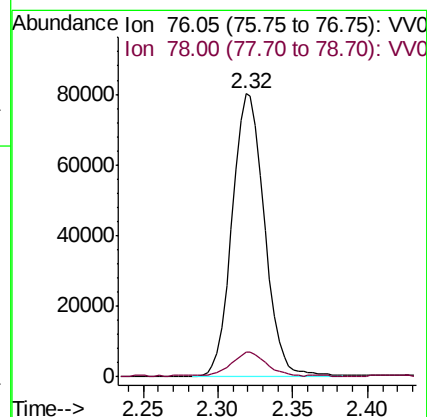
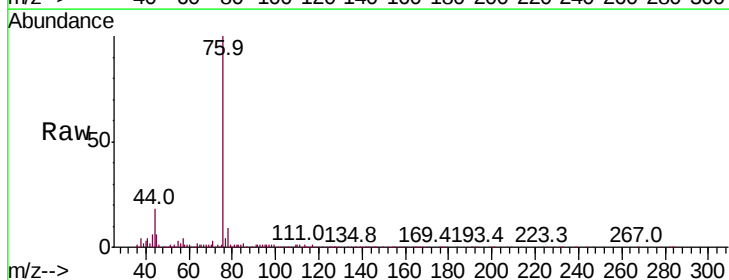
Acq: 27 Dec 2019 18:43

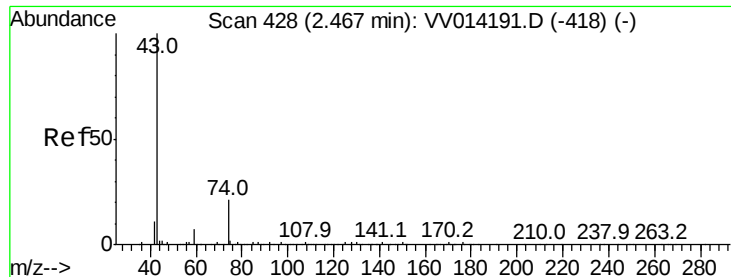
Tgt Ion: 76 Resp: 120628

Ion Ratio Lower Upper

76 100

78 8.6 7.5 11.3

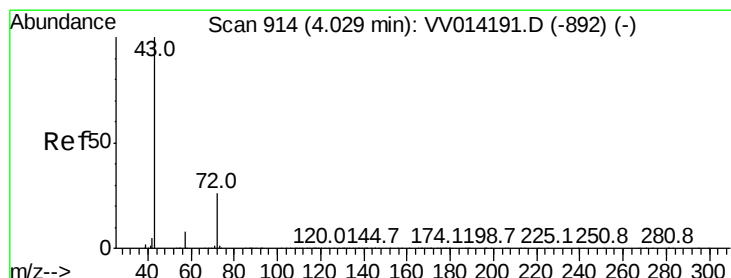
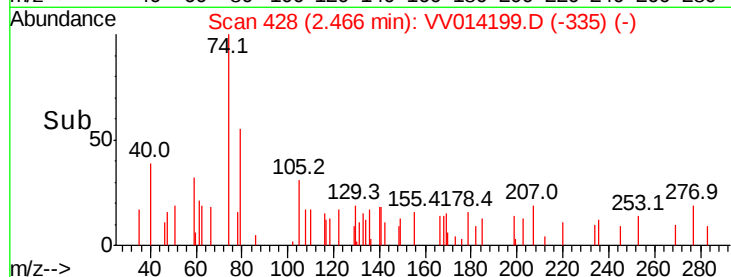
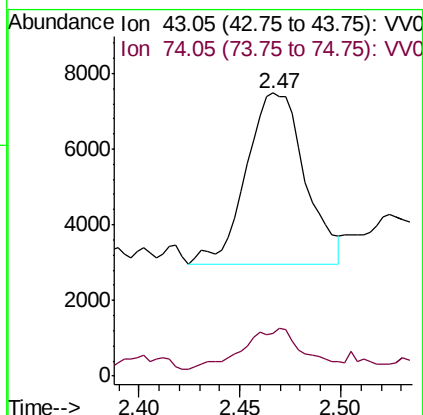
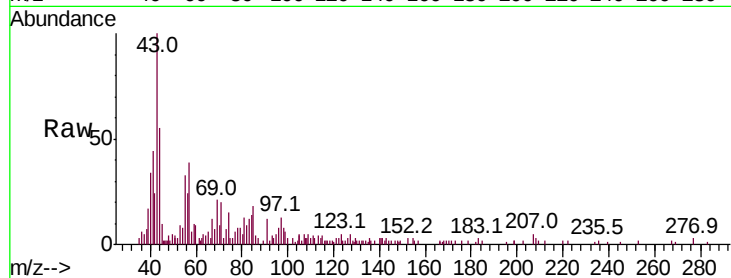




#15
Methvl Acetate
Concen: 0.738 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV014199.D
Acq: 27 Dec 2019 18:43

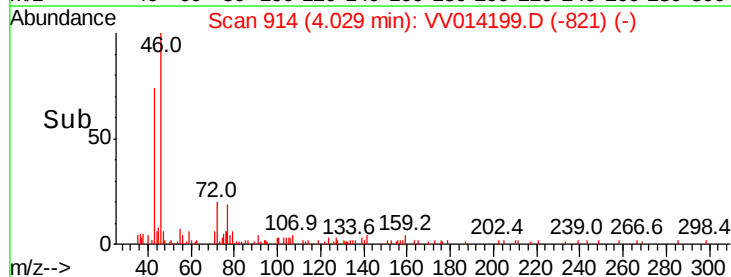
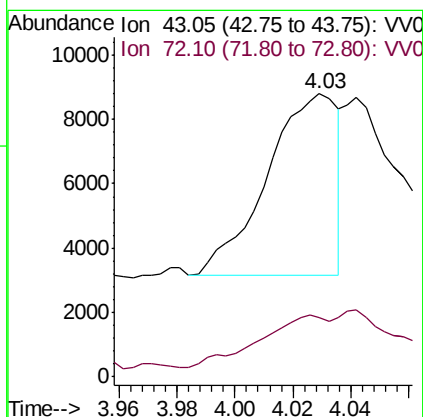
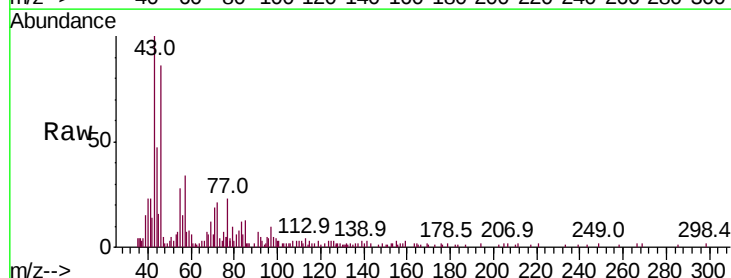
Instrument :
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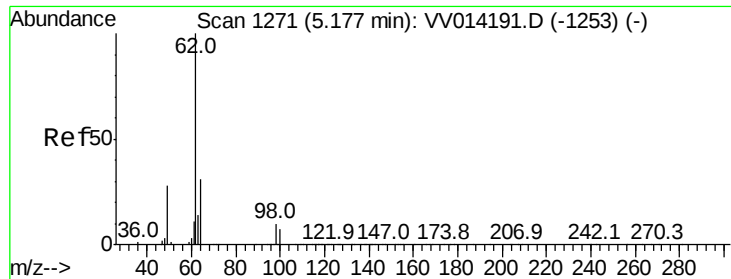
Tot Ion: 43 Resp: 9192
Ion Ratio Lower Upper
43 100
74 24.0 18.6 28.0



#21
2-Butanone
Concen: 1.363 ug/L
RT: 4.03 min Scan# 914
Delta R.T. -0.00 min
Lab File: VV014199.D
Acq: 27 Dec 2019 18:43

Tgt Ion: 43 Resp: 9513
Ion Ratio Lower Upper
43 100
72 28.1 12.4 37.2





#27

1,2-Dichloroethane

Concen: 0.093 ug/L

RT: 5.19 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VV014199.D

Acq: 27 Dec 2019 18:43

Instrument :

MSVOA_V

ClientSampleId :

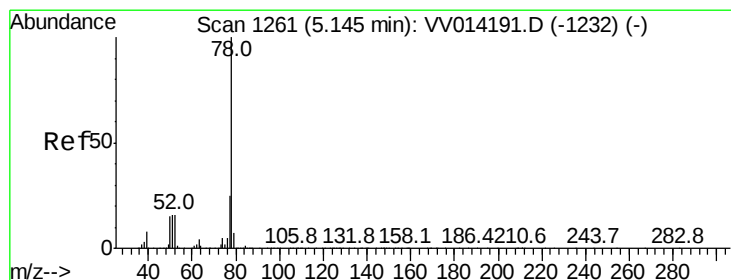
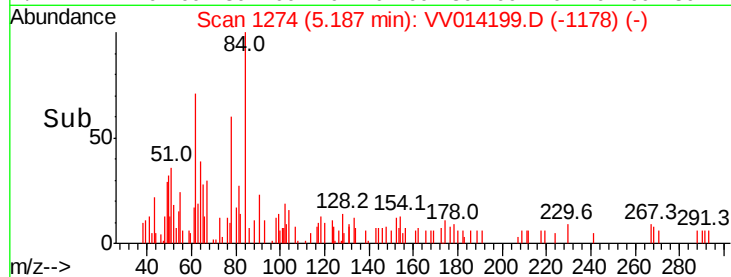
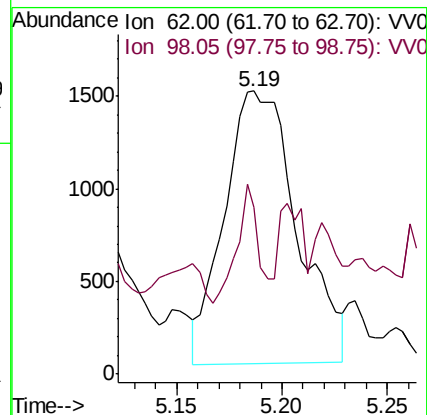
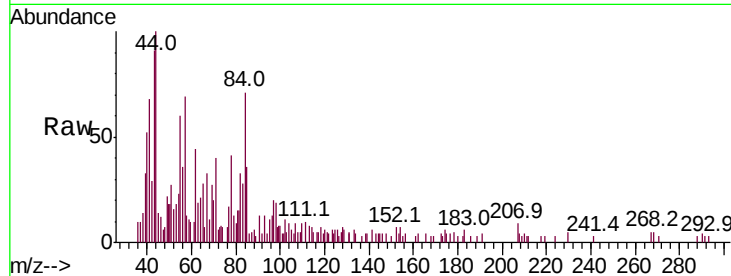
BF6X2

Tot Ion: 62 Resp: 3531

Ion Ratio Lower Upper

62 100

98 58.9 9.2 13.8#



#33

Benzene

Concen: 0.157 ug/L

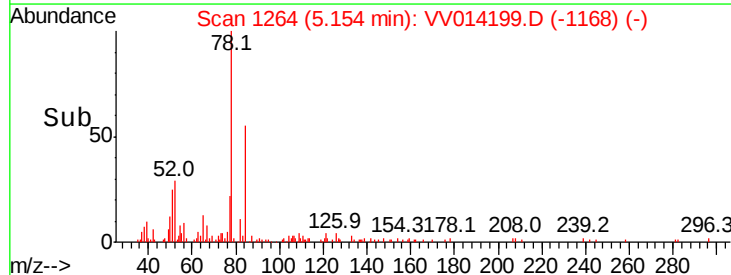
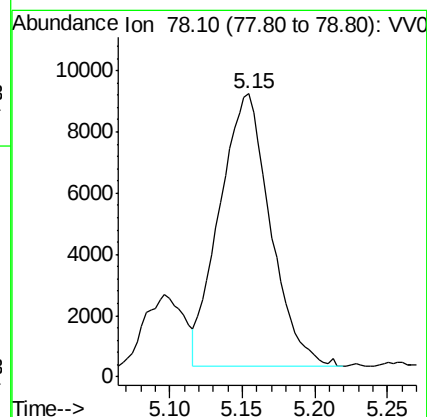
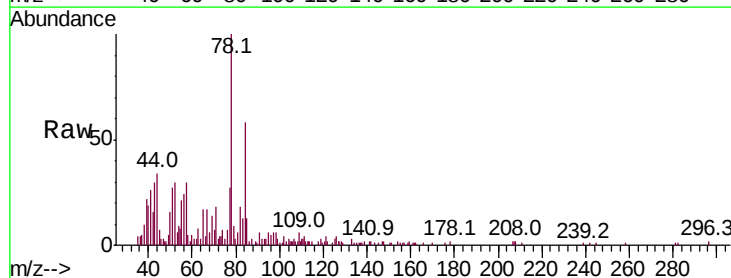
RT: 5.15 min Scan# 1264

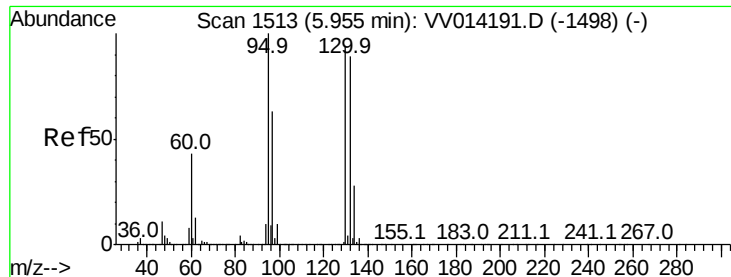
Delta R.T. 0.01 min

Lab File: VV014199.D

Acq: 27 Dec 2019 18:43

Tgt Ion: 78 Resp: 21753





#34

Trichloroethene

Concen: 0.109 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV014199.D

Acq: 27 Dec 2019 18:43

Instrument :

MSVOA_V

ClientSampled :

BF6X2

Tot Ion: 95 Resp: 4061

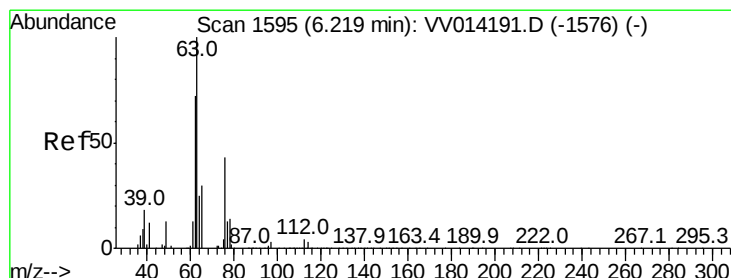
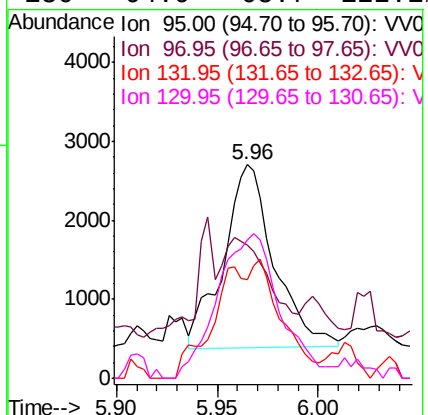
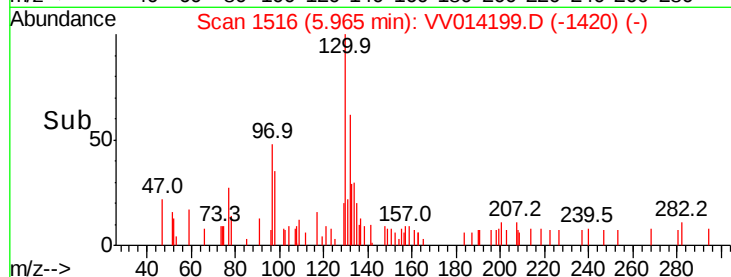
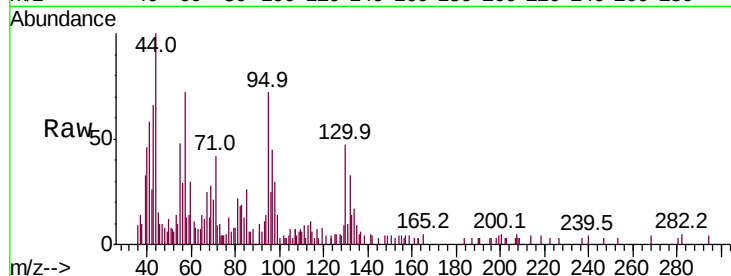
Ion Ratio Lower Upper

95 100

97 62.3 43.8 81.3

132 46.1 63.4 117.8#

130 64.9 65.7 122.1#



#37

1,2-Dichloropropane

Concen: 0.065 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.01 min

Lab File: VV014199.D

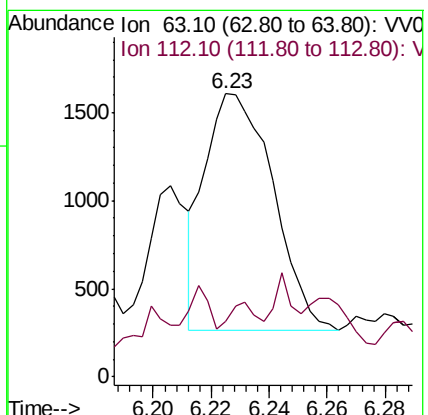
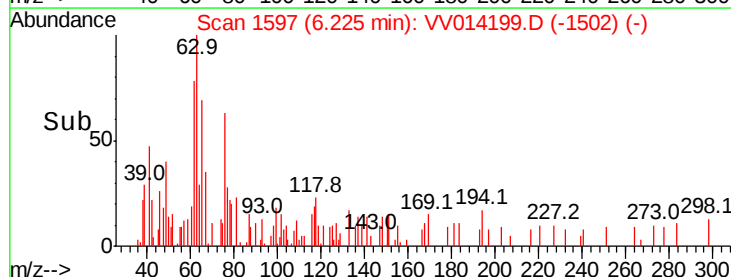
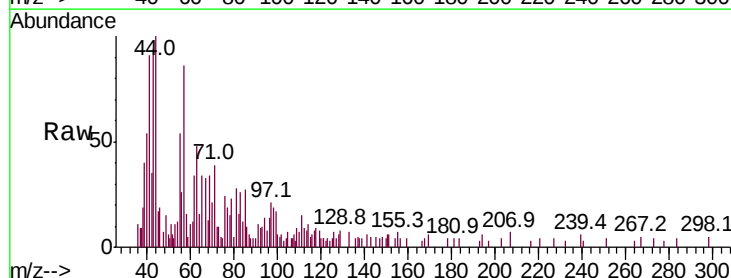
Acq: 27 Dec 2019 18:43

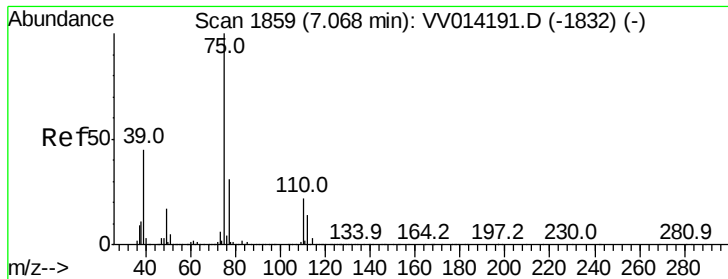
Tgt Ion: 63 Resp: 2186

Ion Ratio Lower Upper

63 100

112 6.9 3.7 5.5#





#39

cis-1,3-Dichloropropene

Concen: 0.119 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

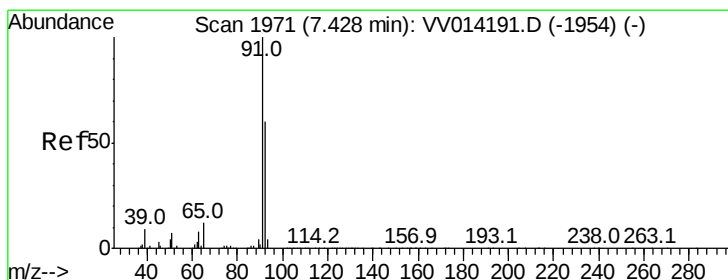
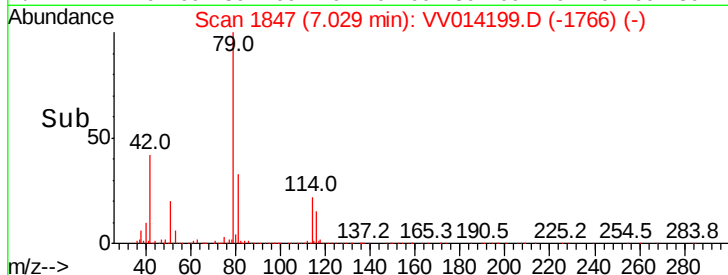
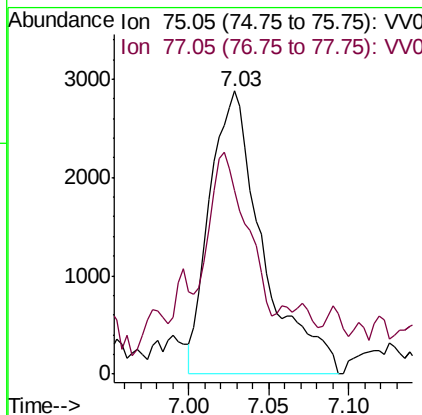
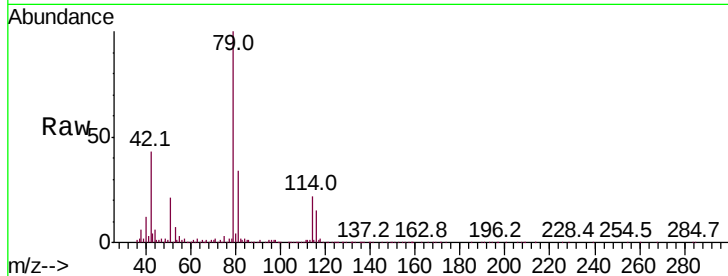
Lab File: VV014199.D

Acq: 27 Dec 2019 18:43

Instrument :
MSVOA_V
ClientSampleId :
BF6X2

Tot Ion: 75 Resp: 6585

Ion	Ratio	Lower	Upper
75	100		
77	64.7	22.4	41.6#



#42

Toluene

Concen: 0.361 ug/L

RT: 7.43 min Scan# 1973

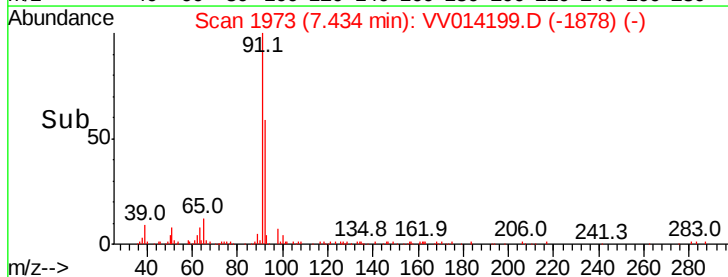
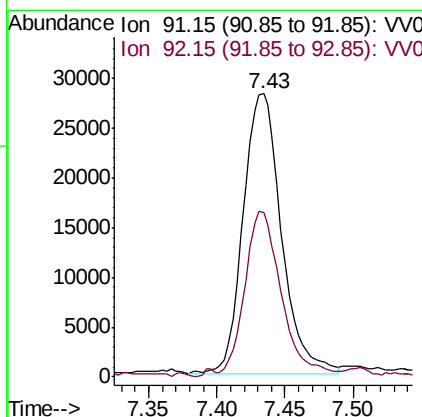
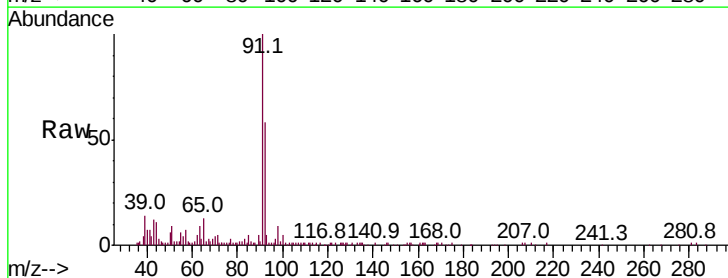
Delta R.T. 0.01 min

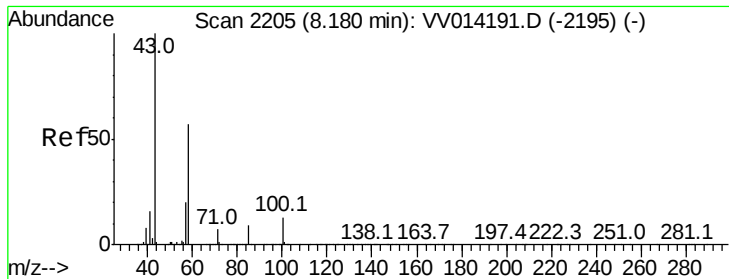
Lab File: VV014199.D

Acq: 27 Dec 2019 18:43

Tgt Ion: 91 Resp: 55035

Ion	Ratio	Lower	Upper
91	100		
92	58.2	41.2	76.6

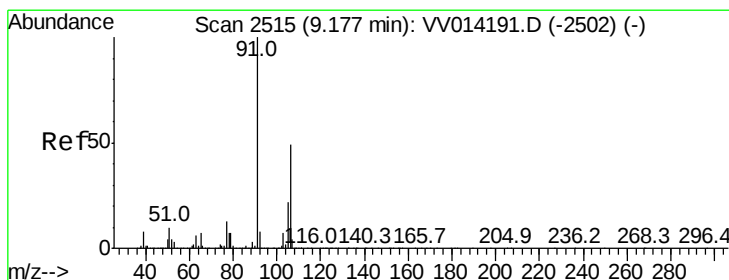
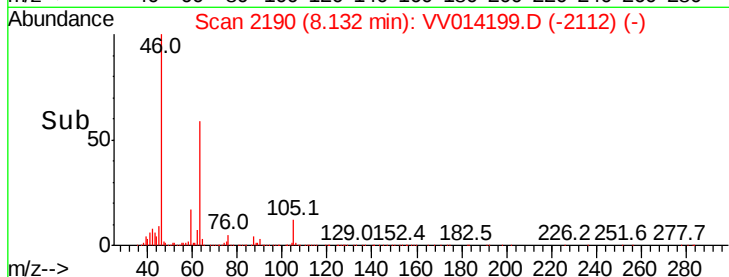
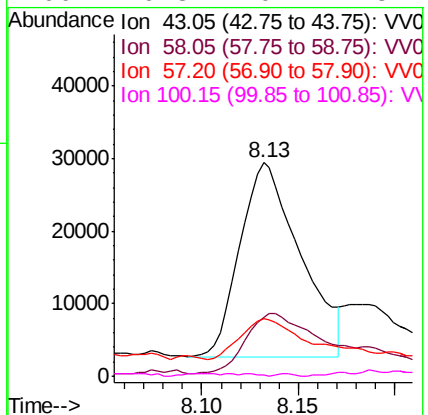
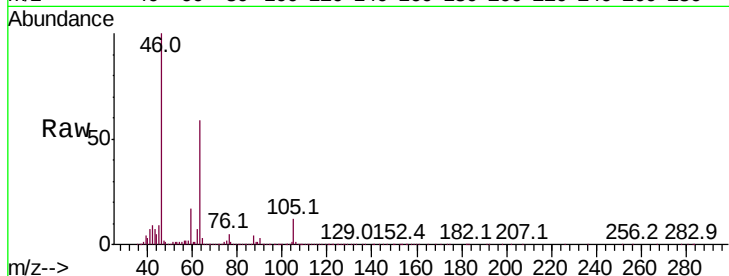




#48
2-Hexanone
Concen: 3.990 ug/L
RT: 8.13 min Scan# 2190
Delta R.T. -0.05 min
Lab File: VV014199.D
Acq: 27 Dec 2019 18:43

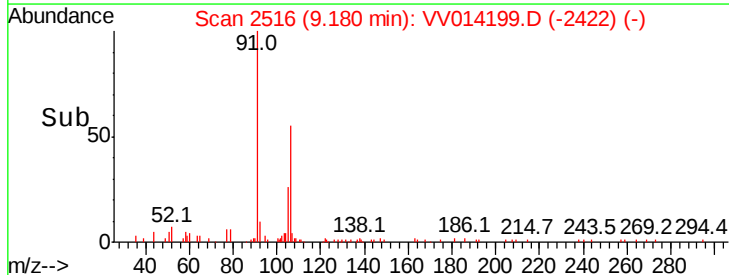
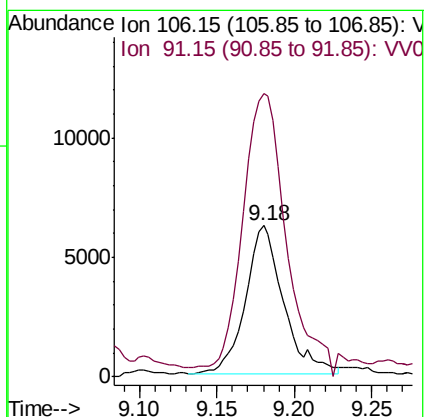
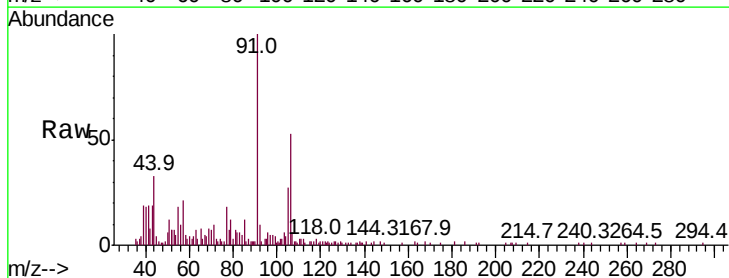
Instrument :
MSVOA_V
ClientSampleId :
BF6X2

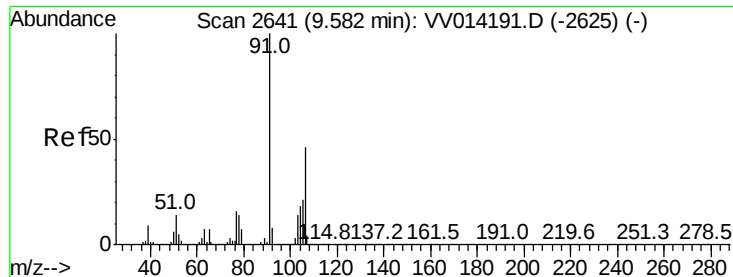
Tot Ion:	43	Resp:	57819
Ion	Ratio	Lower	Upper
43	100		
58	50.3	45.4	68.0
57	25.2	15.8	23.8#
100	0.3	10.2	15.4#



#53
m,p-xylene
Concen: 0.169 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV014199.D
Acq: 27 Dec 2019 18:43

Tgt Ion:	106	Resp:	10759
Ion	Ratio	Lower	Upper
106	100		
91	187.4	146.8	272.6





#54

o-xylene

Concen: 0.087 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV014199.D

Acq: 27 Dec 2019 18:43

Instrument :

MSVOA_V

ClientSampleId :

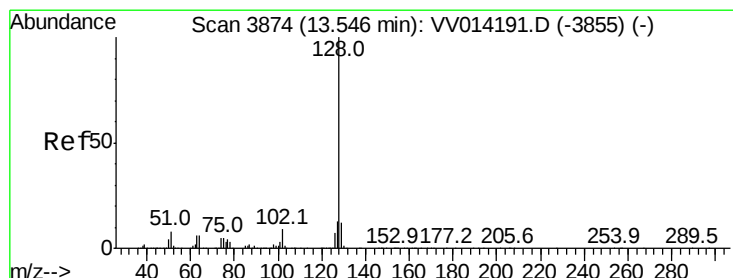
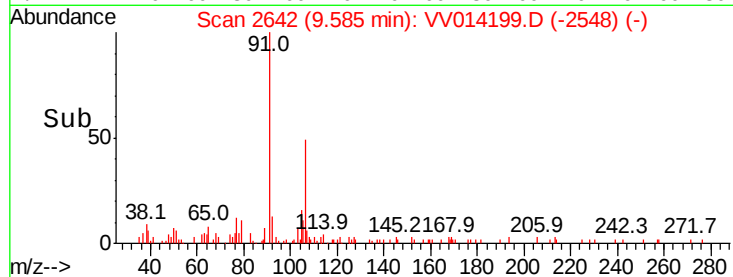
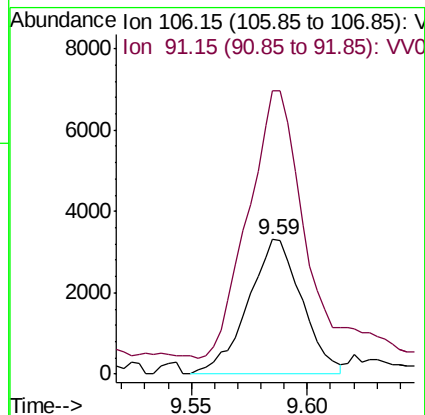
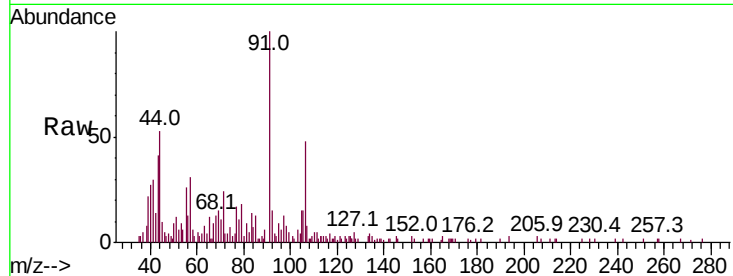
BF6X2

Tot Ion:106 Resp: 5375

Ion Ratio Lower Upper

106 100

91 210.4 150.9 280.3



#69

Naphthalene

Concen: 0.098 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.01 min

Lab File: VV014199.D

Acq: 27 Dec 2019 18:43

Tgt Ion:128 Resp: 7175

Ion Ratio Lower Upper

128 100

129 19.0 8.6 13.0#

127 13.5 10.2 15.2

