

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122719\
 Data File : VV014201.D
 Acq On : 27 Dec 2019 19:31
 Operator : SY/MD
 Sample : K6432-06
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF6X4

Quant Time: Dec 28 02:37:39 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	665440	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	569038	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	236515	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	218899	7.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	140.40%#
7) Chloroethane-d5	1.58	69	187991	7.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	144.80%#
11) 1,1-Dichloroethene-d2	2.13	63	260289	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.00%
20) 2-Butanone-d5	3.93	46	595572	76.93	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	153.86%#
24) Chloroform-d	4.40	84	457013	5.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.00%
26) 1,2-Dichloroethane-d4	5.08	65	230624	6.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	122.40%
32) Benzene-d6	5.10	84	903657	5.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.20%
36) 1,2-Dichloropropane-d6	6.12	67	309845	6.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	131.80%
41) Toluene-d8	7.36	98	740237	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
43) trans-1,3-Dichloropropene-	7.66	79	110626	5.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.20%
46) 2-Hexanone-d5	8.13	63	509233	63.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.56%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	216228	6.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	128.80%#
64) 1,2-Dichlorobenzene-d4	11.67	152	217834	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

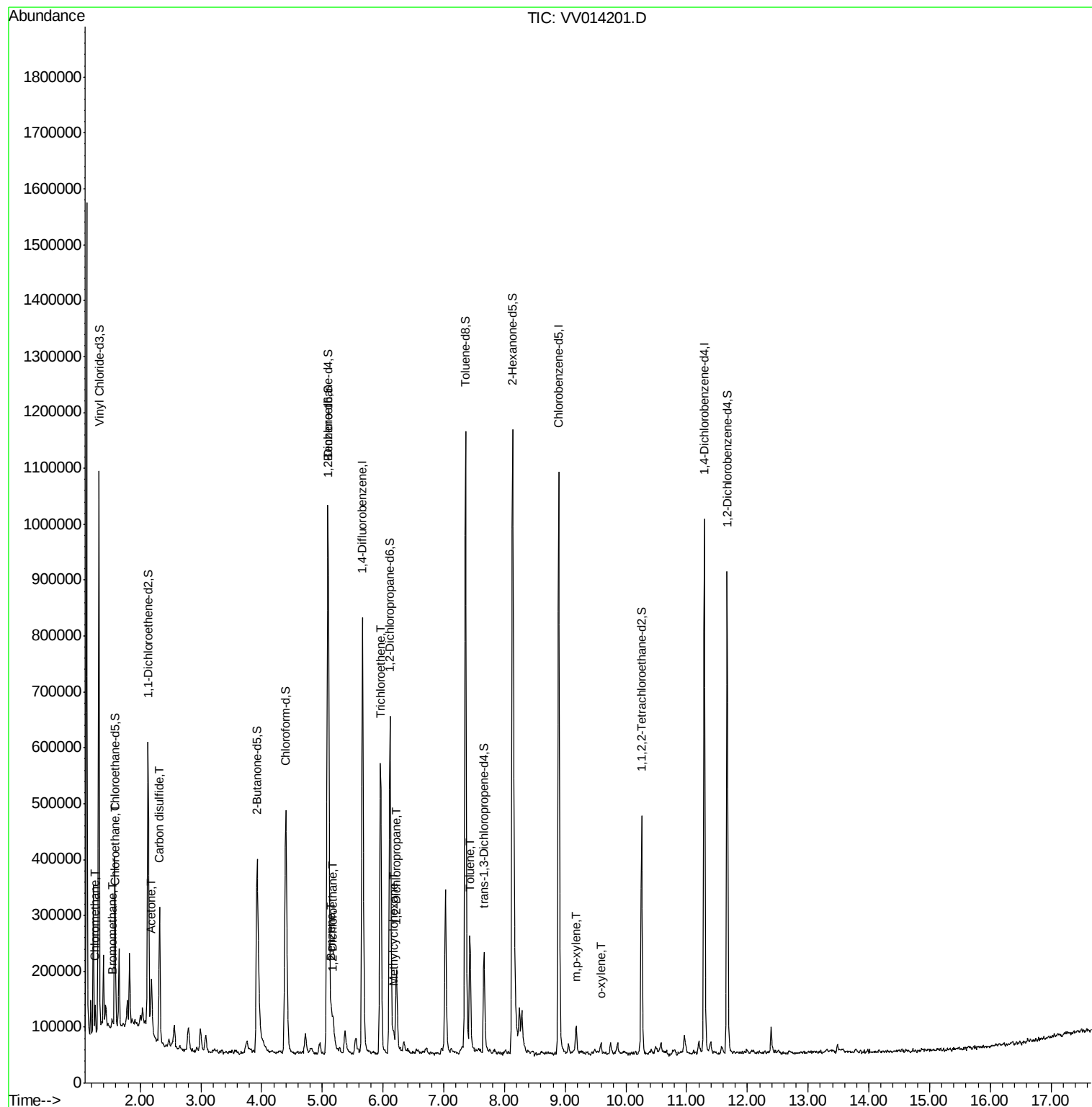
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.26	50	36541	0.799	ug/L	95
6) Bromomethane	1.54	94	5658	0.281	ug/L	97
8) Chloroethane	1.60	64	7932	0.343	ug/L	85
13) Acetone	2.19	43	74062	15.510	ug/L	91
14) Carbon disulfide	2.32	76	272964	2.122	ug/L	99
27) 1,2-Dichloroethane	5.18	62	46396	0.960	ug/L	98
33) Benzene	5.15	78	63136	0.359	ug/L	100
34) Trichloroethene	5.96	95	195774	4.152	ug/L	99
35) Methylcyclohexane	6.17	83	14706	0.187	ug/L	95
37) 1,2-Dichloropropane	6.22	63	60299	1.410	ug/L	99
42) Toluene	7.43	91	155713	0.805	ug/L	99
53) m,p-xylene	9.18	106	14891	0.185	ug/L	99
54) o-xylene	9.59	106	6683	0.085	ug/L	86

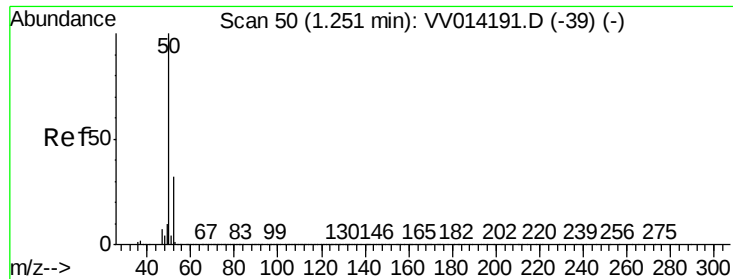
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.799 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.01 min

Lab File: VV014201.D

Acq: 27 Dec 2019 19:31

Instrument :

MSVOA_V

ClientSampleId :

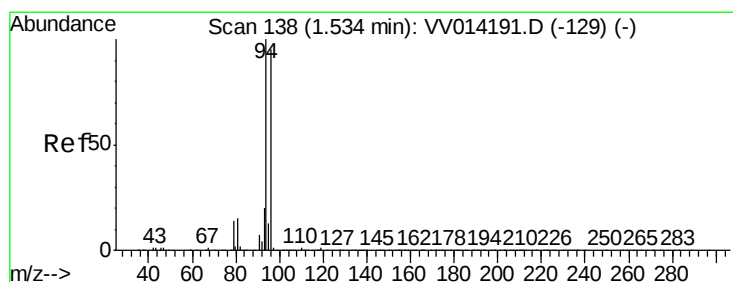
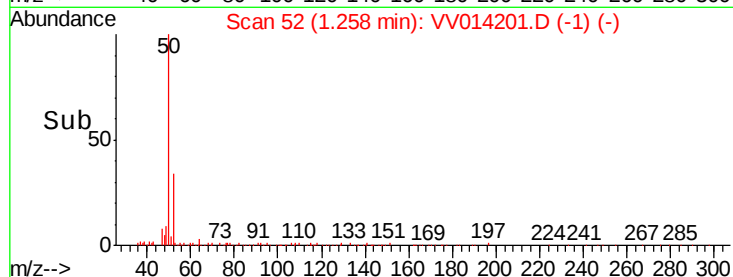
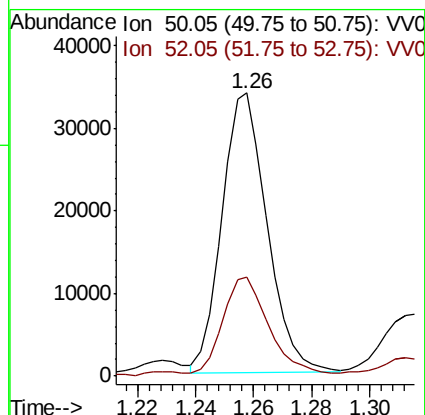
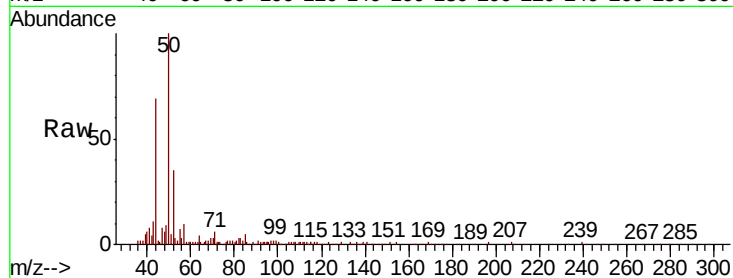
BF6X4

Tot Ion: 50 Resp: 36541

Ion Ratio Lower Upper

50 100

52 34.8 22.3 41.3



#6

Bromomethane

Concen: 0.281 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014201.D

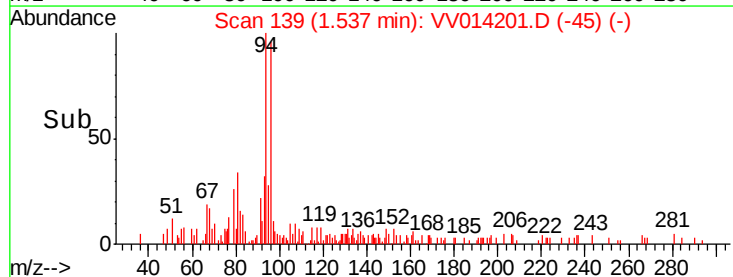
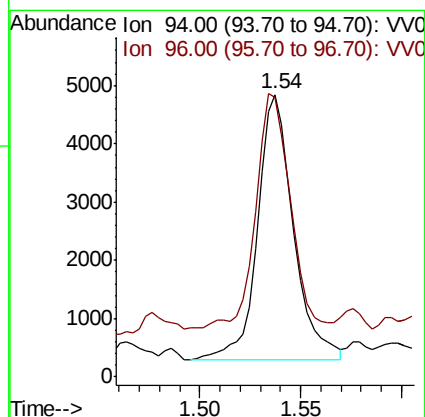
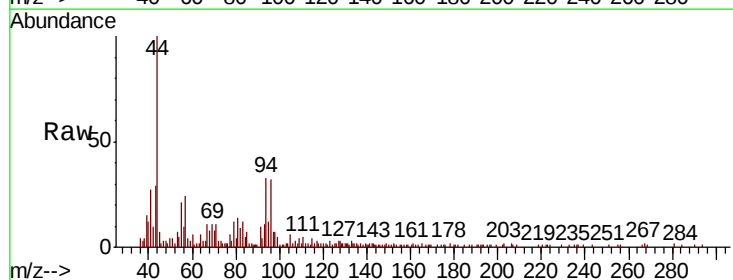
Acq: 27 Dec 2019 19:31

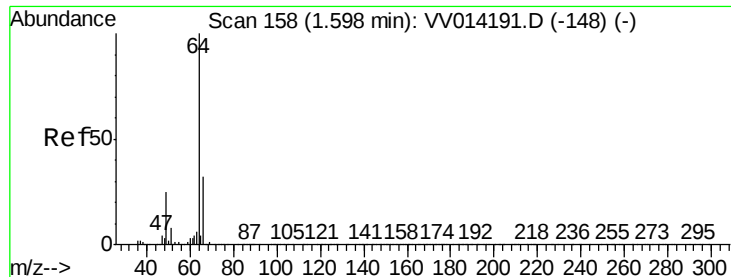
Tgt Ion: 94 Resp: 5658

Ion Ratio Lower Upper

94 100

96 98.7 66.9 124.3

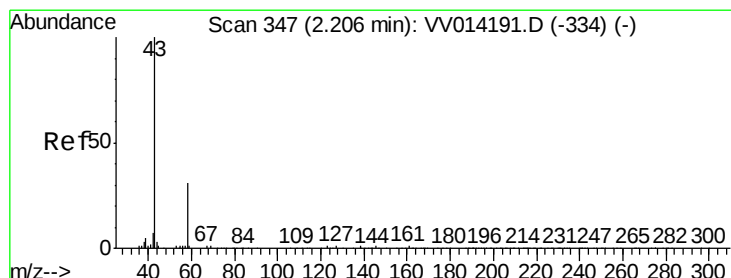
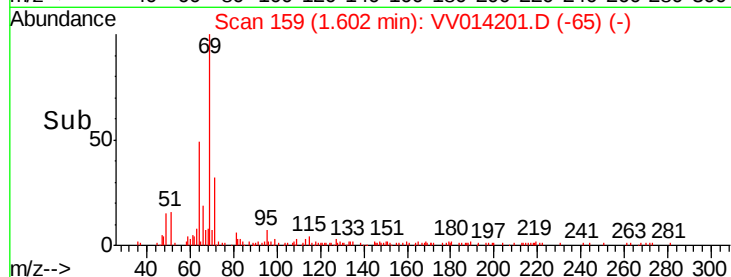
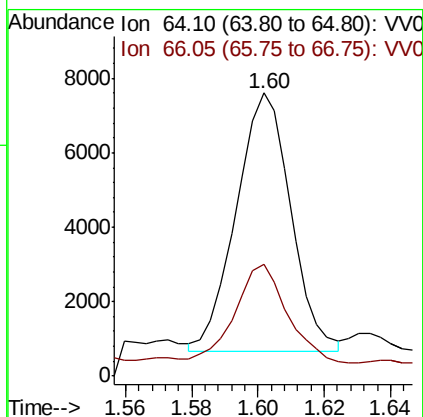
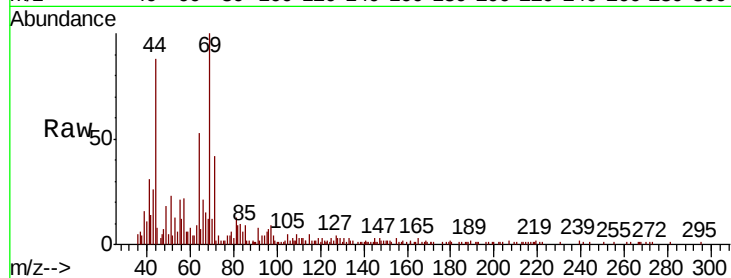




#8
Chloroethane
Concen: 0.343 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV014201.D
Acq: 27 Dec 2019 19:31

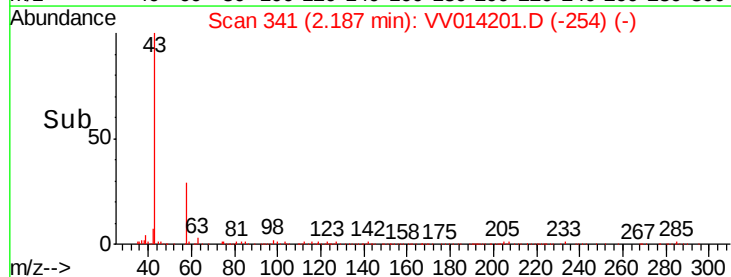
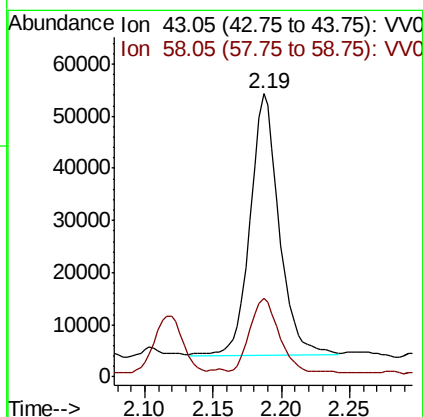
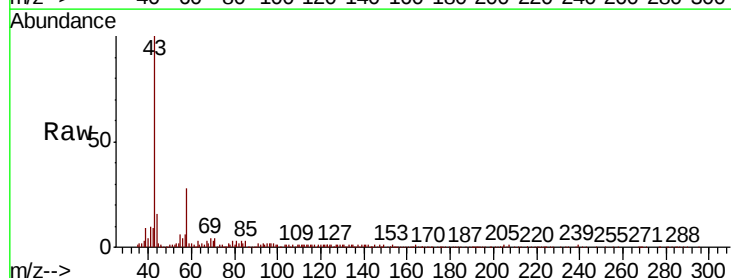
Instrument :
MSVOA_V
ClientSampleId :
BF6X4

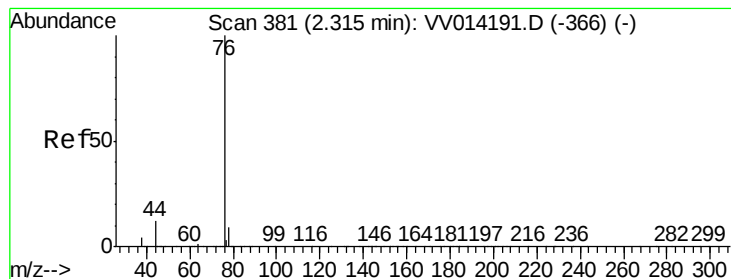
Tot Ion: 64 Resp: 7932
Ion Ratio Lower Upper
64 100
66 39.5 21.8 40.6



#13
Acetone
Concen: 15.510 ug/L
RT: 2.19 min Scan# 341
Delta R.T. -0.02 min
Lab File: VV014201.D
Acq: 27 Dec 2019 19:31

Tgt Ion: 43 Resp: 74062
Ion Ratio Lower Upper
43 100
58 28.0 0.0 66.0





#14

Carbon disulfide

Concen: 2.122 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014201.D

Acq: 27 Dec 2019 19:31

Instrument :

MSVOA_V

ClientSampleId :

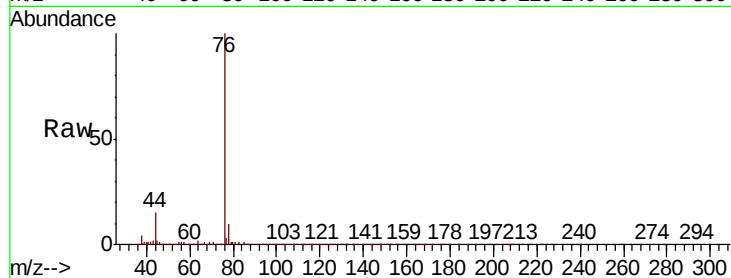
BF6X4

Tot Ion: 76 Resp: 272964

Ion Ratio Lower Upper

76 100

78 9.6 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

200000

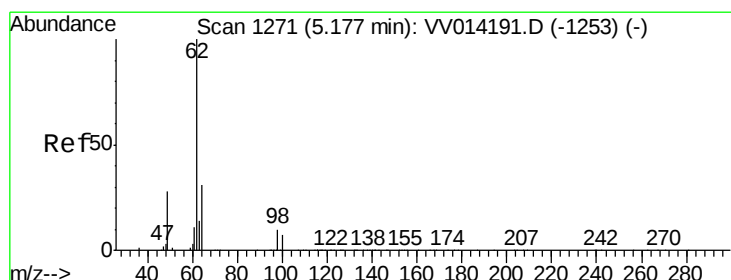
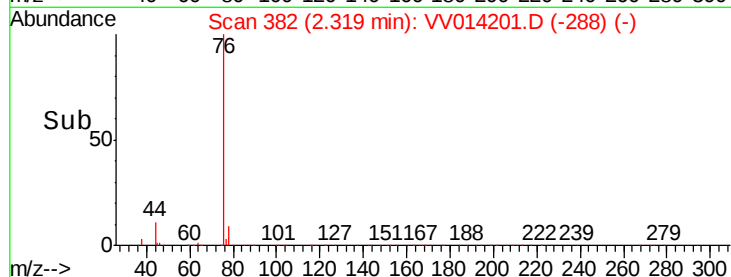
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 0.960 ug/L

RT: 5.18 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VV014201.D

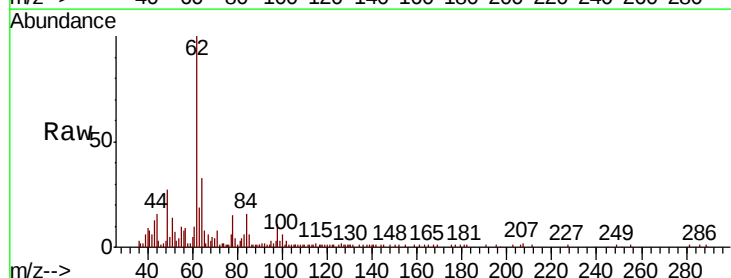
Acq: 27 Dec 2019 19:31

Tgt Ion: 62 Resp: 46396

Ion Ratio Lower Upper

62 100

98 10.6 9.2 13.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

25000

20000

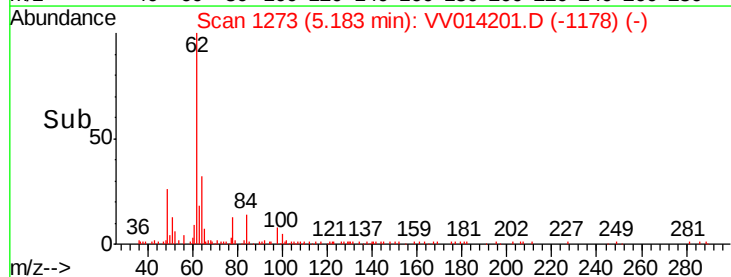
15000

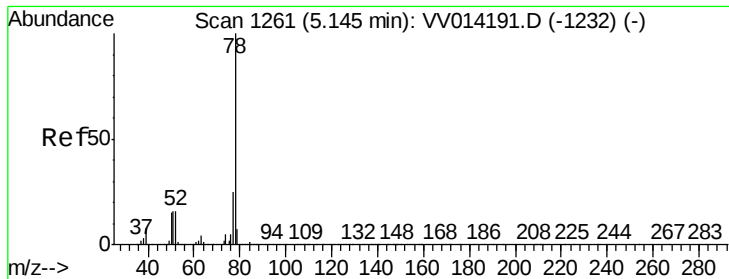
10000

5000

0

Time-->





#33

Benzene

Concen: 0.359 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VV014201.D

Acq: 27 Dec 2019 19:31

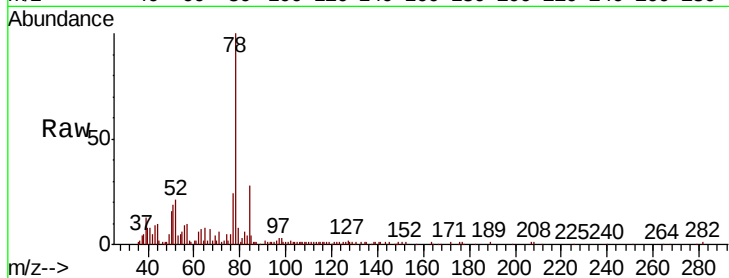
Instrument :

MSVOA_V

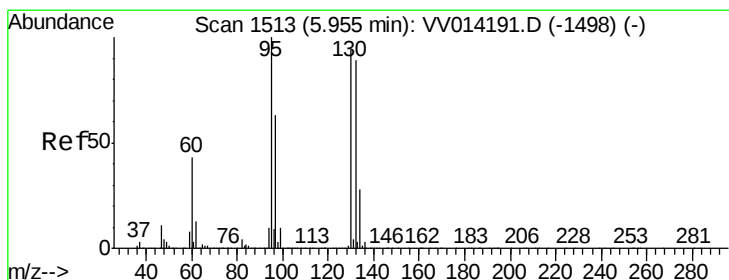
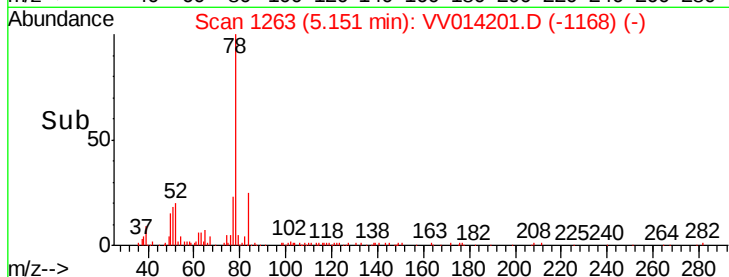
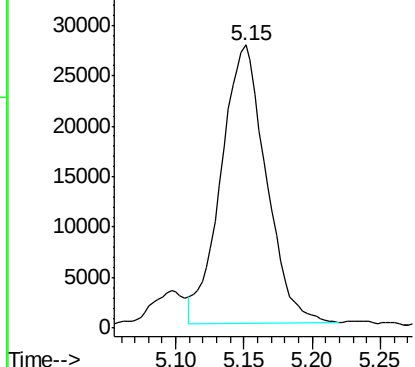
ClientSampleId :

BF6X4

Tgt Ion: 78 Resp: 63136



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 4.152 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014201.D

Acq: 27 Dec 2019 19:31

Tgt Ion: 95 Resp: 195774

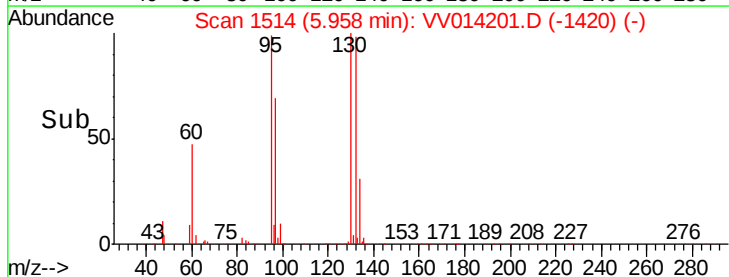
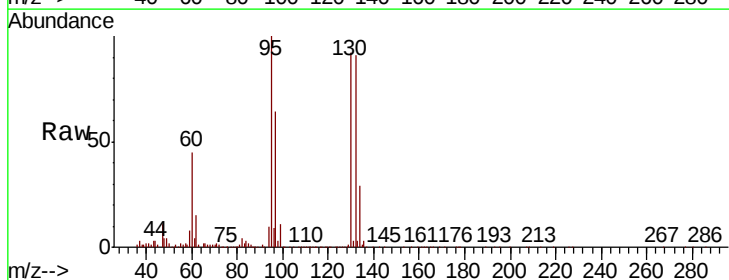
Ion	Ratio	Lower	Upper
95	100		
97	64.0	43.8	81.3
132	90.6	63.4	117.8
130	92.3	65.7	122.1

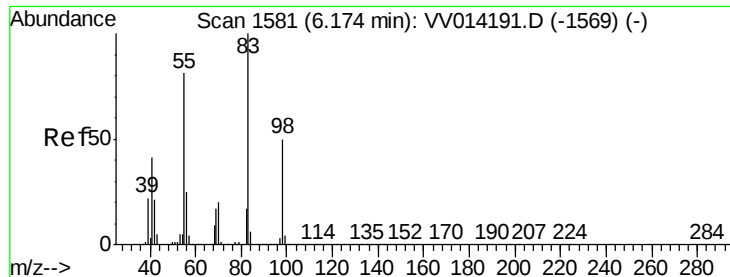
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

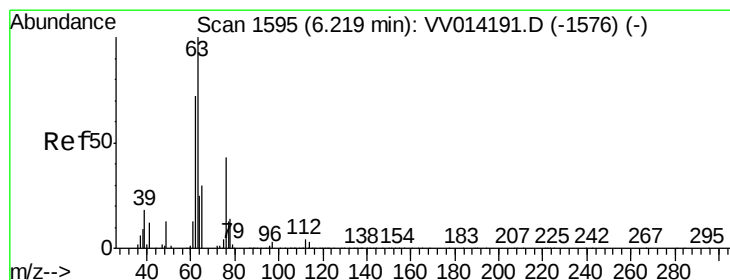
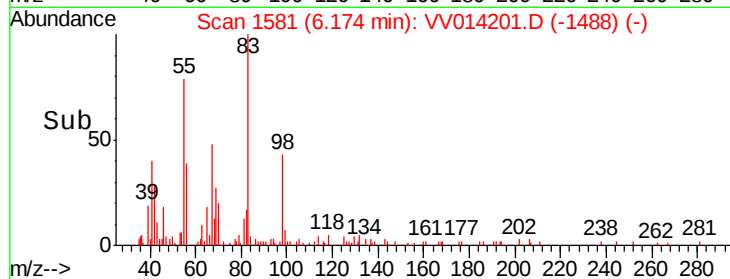
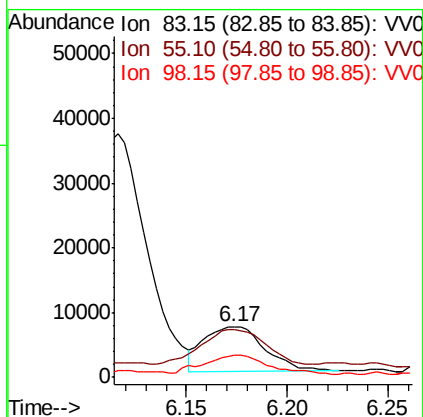
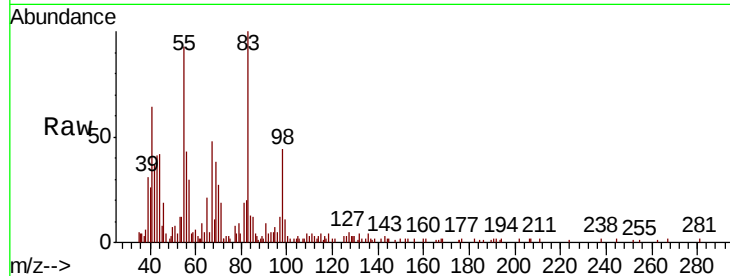




#35
Methvlcvclohexane
Concen: 0.187 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VV014201.D
Acq: 27 Dec 2019 19:31

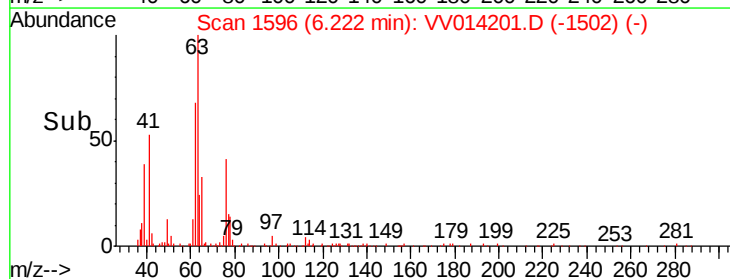
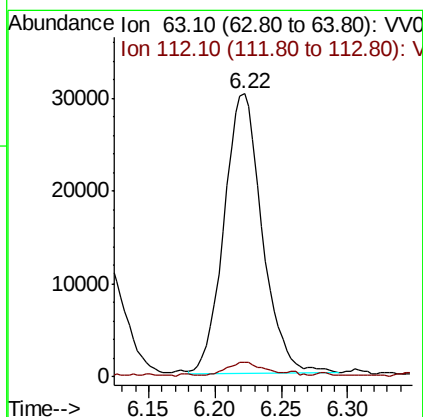
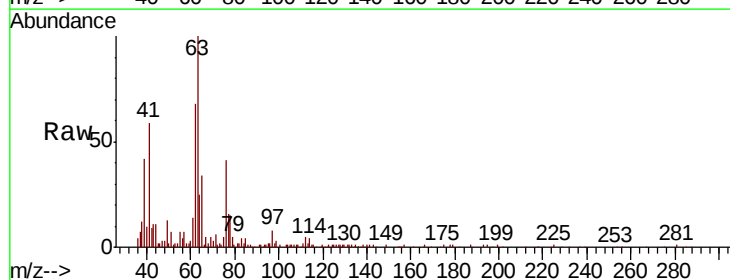
Instrument :
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ClientSampleId :
BF6X4

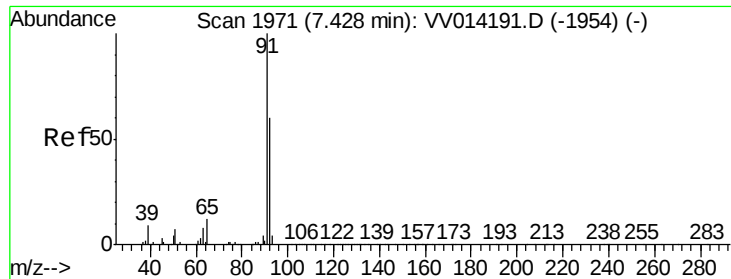
Tot Ion	83	Resp	14706
Ion Ratio	Lower	Upper	
83	100		
55	80.5	61.7	92.5
98	42.6	38.1	57.1



#37
1,2-Dichloropropane
Concen: 1.410 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VV014201.D
Acq: 27 Dec 2019 19:31

Tgt Ion	63	Resp	60299
Ion Ratio	Lower	Upper	
63	100		
112	4.4	3.7	5.5





#42

Toluene

Concen: 0.805 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV014201.D

Acq: 27 Dec 2019 19:31

Instrument :

MSVOA_V

ClientSampleId :

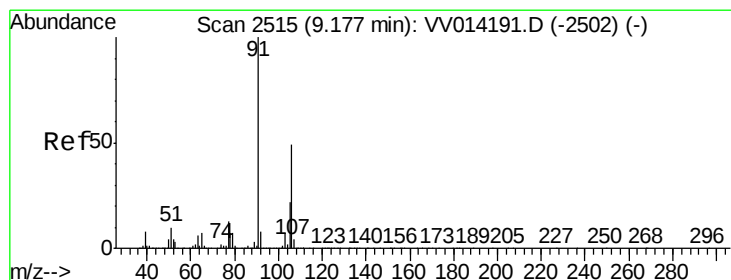
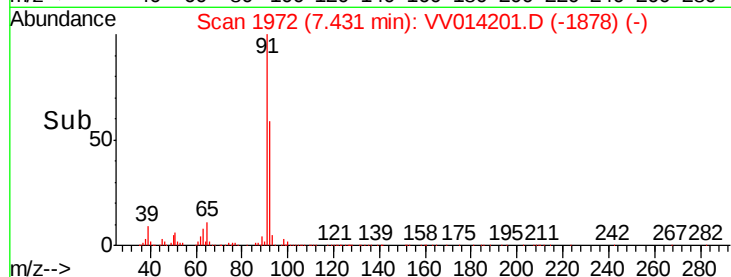
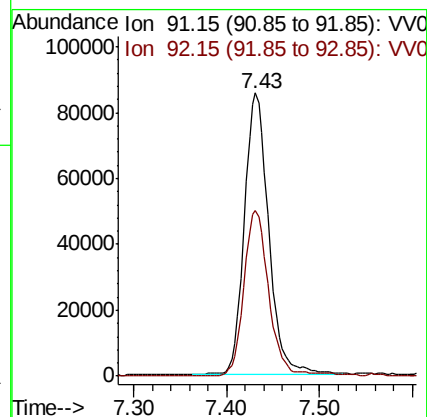
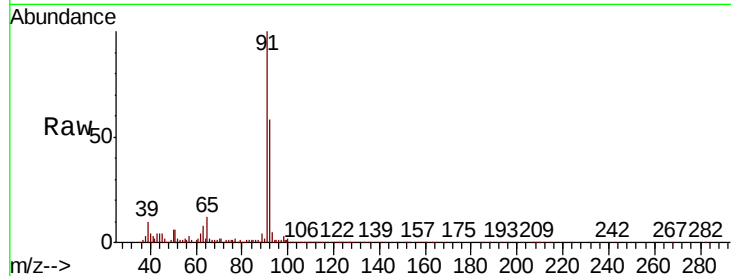
BF6X4

Tot Ion: 91 Resp: 155713

Ion Ratio Lower Upper

91 100

92 58.5 41.2 76.6



#53

m,p-xylene

Concen: 0.185 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV014201.D

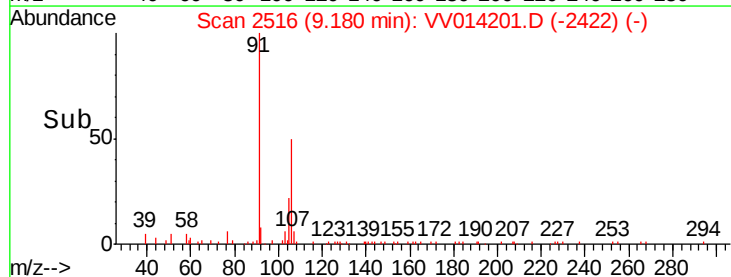
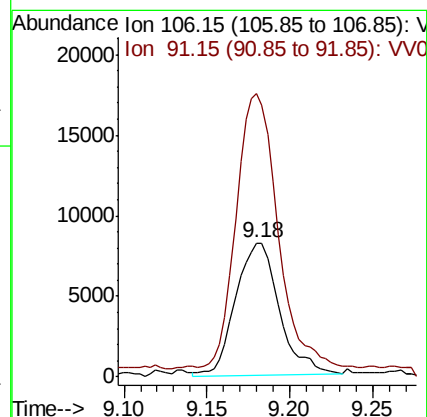
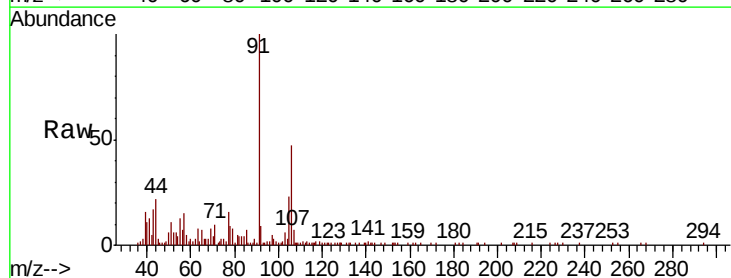
Acq: 27 Dec 2019 19:31

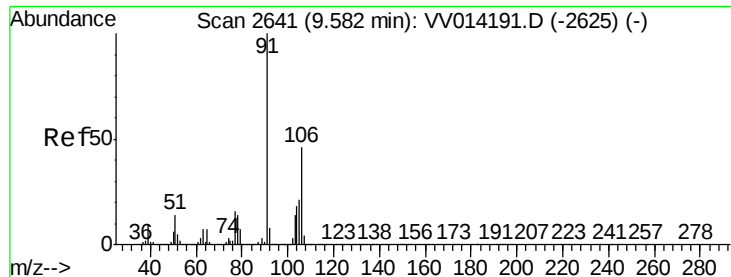
Tgt Ion: 106 Resp: 14891

Ion Ratio Lower Upper

106 100

91 210.9 146.8 272.6





#54
o-xylene
Concen: 0.085 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.01 min
Lab File: VV014201.D
Acq: 27 Dec 2019 19:31

Instrument :
MSVOA_V
ClientSampleId :
BF6X4

Tot Ion:106 Resp: 6683
Ion Ratio Lower Upper
106 100
91 194.1 150.9 280.3

