

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122719\
 Data File : VV014200.D
 Acq On : 27 Dec 2019 19:07
 Operator : SY/MD
 Sample : K6432-05
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF6X3

Quant Time: Dec 28 01:09:43 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	702103	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	662678	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	295495	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	983	0.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	0.60%#
7) Chloroethane-d5	1.58	69	165716	6.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	121.00%
11) 1,1-Dichloroethene-d2	2.13	63	11454	0.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	3.80%#
20) 2-Butanone-d5	3.95	46	463508	56.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.48%
24) Chloroform-d	4.40	84	465921	5.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.00%
26) 1,2-Dichloroethane-d4	5.08	65	229935	5.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.60%
32) Benzene-d6	5.09	84	915493	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.11	67	310100	5.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.20%
41) Toluene-d8	7.36	98	17690	0.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	2.00%#
43) trans-1,3-Dichloropropene-	7.66	79	35723	1.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	29.20%#
46) 2-Hexanone-d5	8.13	63	425556	45.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.52%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	209631	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	270914	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

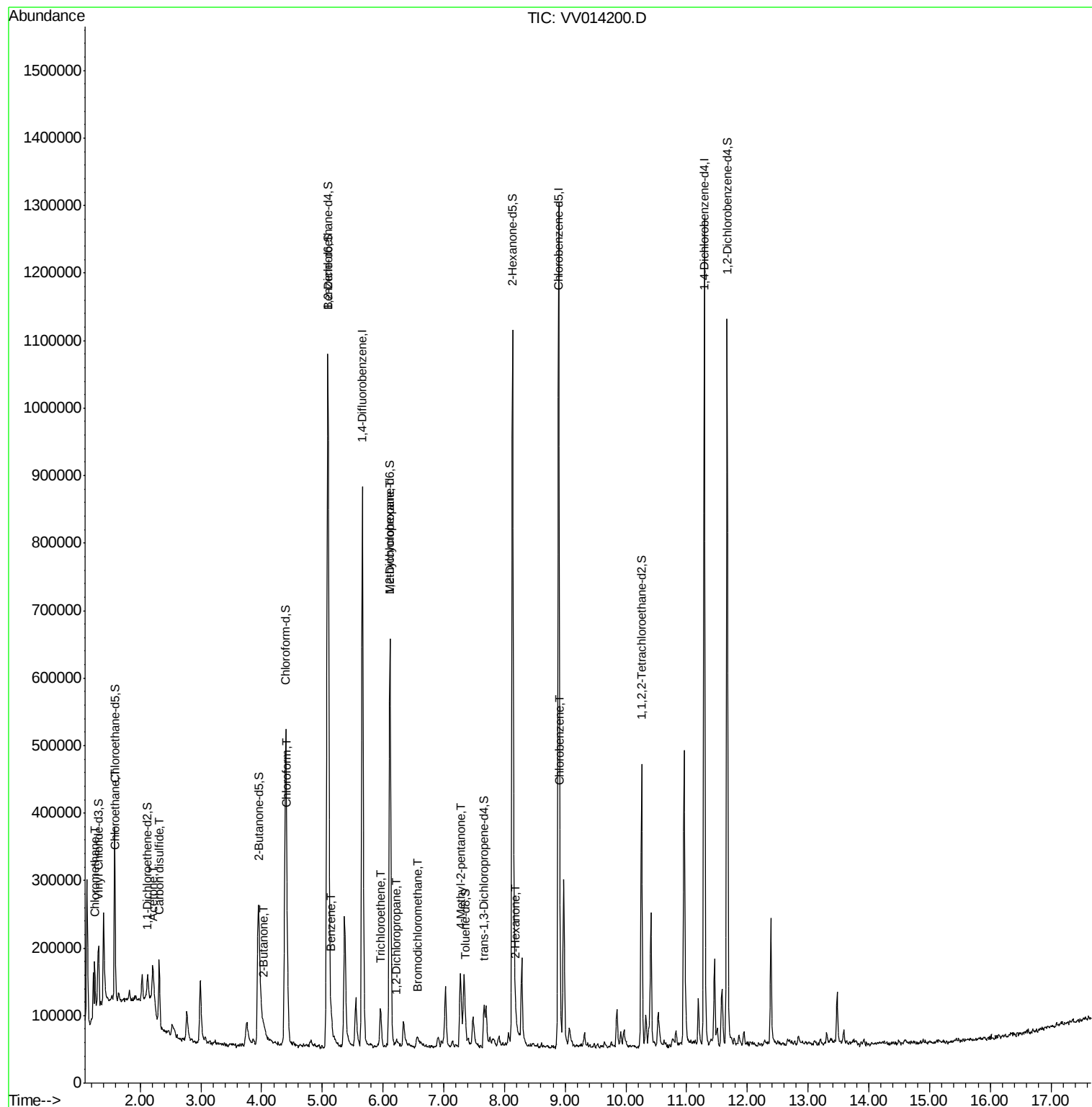
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	47362	0.982	ug/L	98
8) Chloroethane	1.60	64	7536	0.309	ug/L	91
13) Acetone	2.21	43	111626	22.156	ug/L	86
14) Carbon disulfide	2.32	76	112422	0.828	ug/L	98
21) 2-Butanone	4.04	43	17457	1.866	ug/L	95
25) Chloroform	4.42	83	59878	0.657	ug/L	100
33) Benzene	5.14	78	42143	0.206	ug/L	100
34) Trichloroethene	5.96	95	20064	0.365	ug/L	95
35) Methylcyclohexane	6.11	83	71326	0.780	ug/L #	21
37) 1,2-Dichloropropane	6.22	63	4637	0.093	ug/L #	89
38) Bromodichloromethane	6.55	83	7549	0.114	ug/L #	82
40) 4-Methyl-2-pentanone	7.27	43	126021	4.069	ug/L #	46
48) 2-Hexanone	8.19	43	14460	0.675	ug/L #	93
51) Chlorobenzene	8.92	112	9213	0.066	ug/L #	78

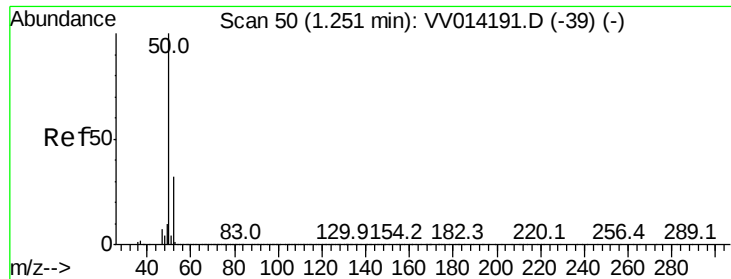
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#3

Chloromethane

Concen: 0.982 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV014200.D

Acq: 27 Dec 2019 19:07

Instrument :

MSVOA_V

ClientSampleId :

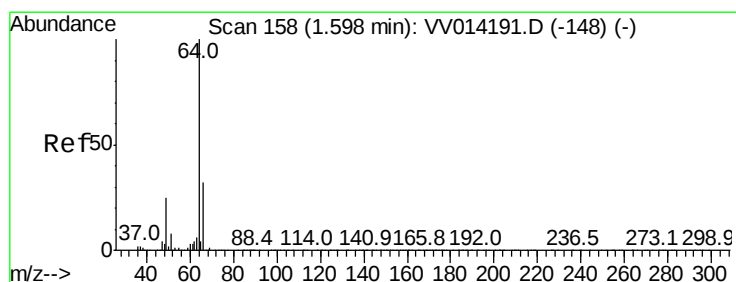
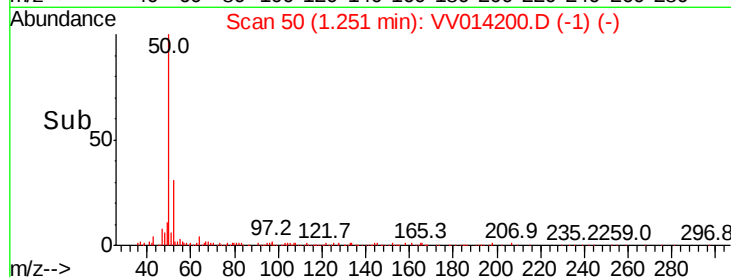
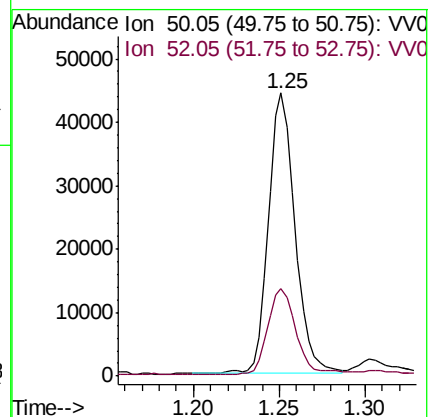
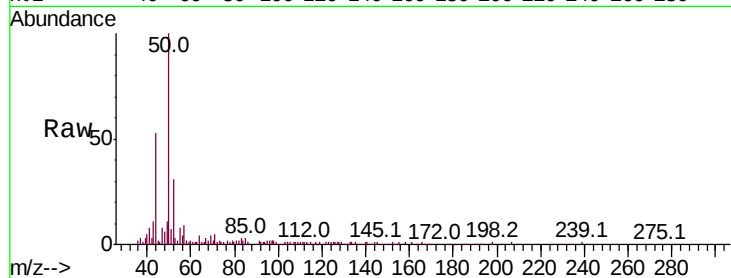
BF6X3

Tot Ion: 50 Resp: 47362

Ion Ratio Lower Upper

50 100

52 30.8 22.3 41.3



#8

Chloroethane

Concen: 0.309 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV014200.D

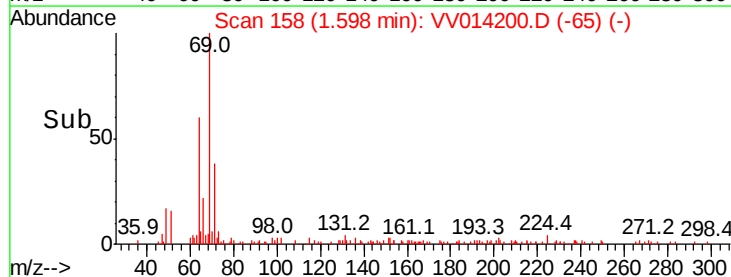
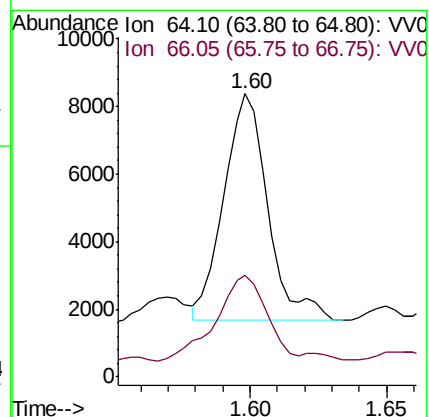
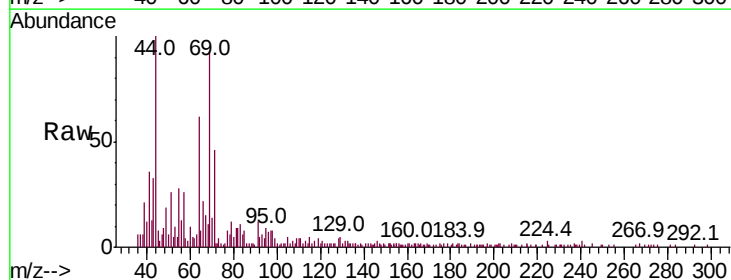
Acq: 27 Dec 2019 19:07

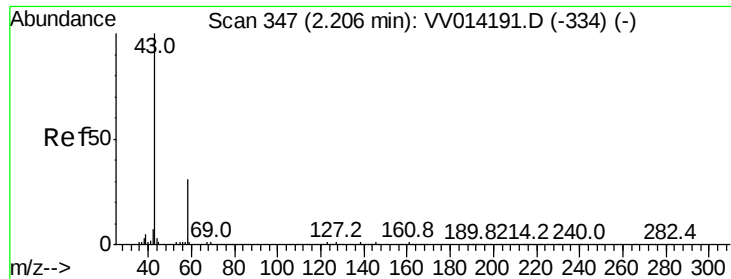
Tgt Ion: 64 Resp: 7536

Ion Ratio Lower Upper

64 100

66 36.0 21.8 40.6





#13

Acetone

Concen: 22.156 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.01 min

Lab File: VV014200.D

Acq: 27 Dec 2019 19:07

Instrument :

MSVOA_V

ClientSampleId :

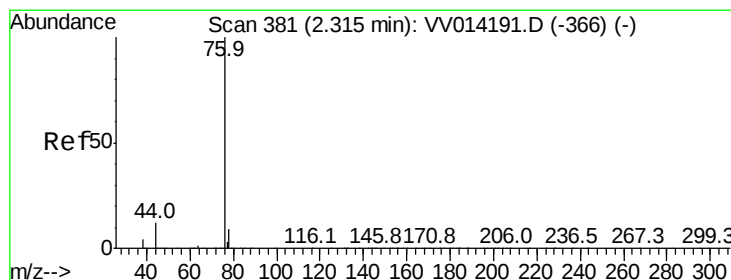
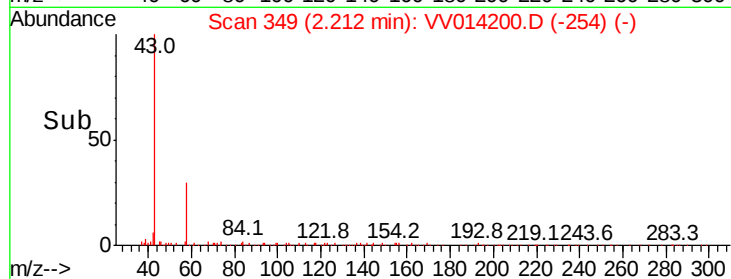
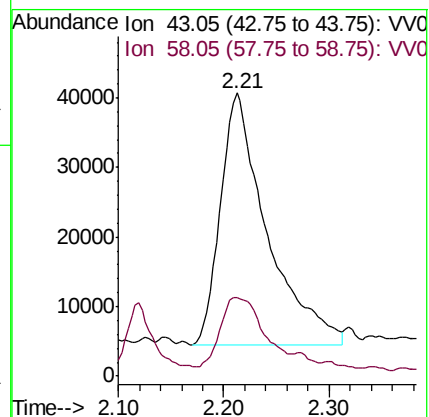
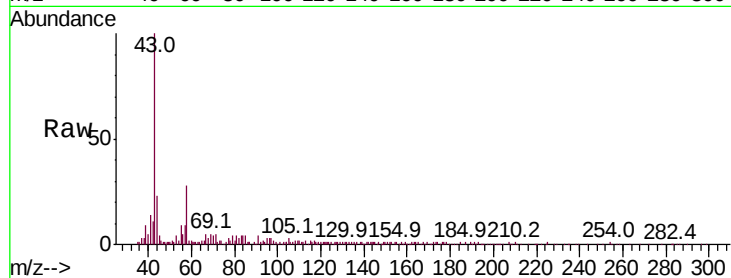
BF6X3

Tot Ion: 43 Resp: 111626

Ion Ratio Lower Upper

43 100

58 25.2 0.0 66.0



#14

Carbon disulfide

Concen: 0.828 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV014200.D

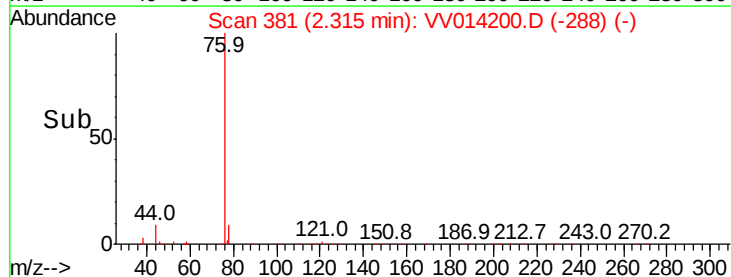
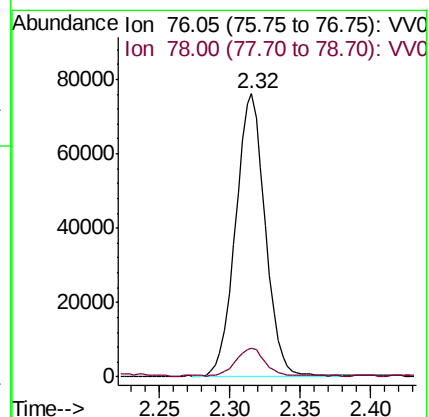
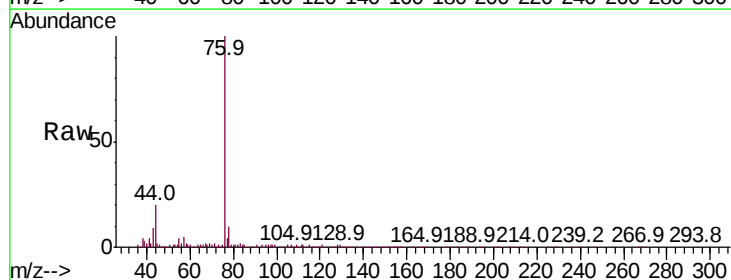
Acq: 27 Dec 2019 19:07

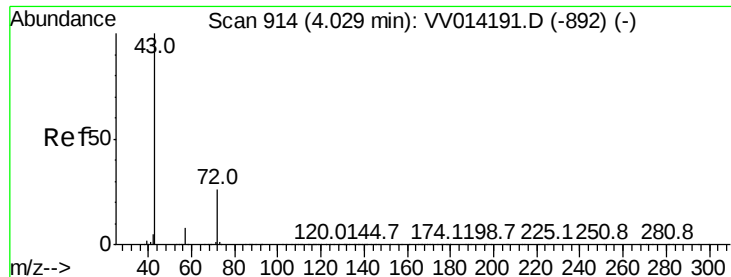
Tgt Ion: 76 Resp: 112422

Ion Ratio Lower Upper

76 100

78 10.2 7.5 11.3





#21

2-Butanone

Concen: 1.866 ug/L

RT: 4.04 min Scan# 917

Delta R.T. 0.01 min

Lab File: VV014200.D

Acq: 27 Dec 2019 19:07

Instrument :

MSVOA_V

ClientSampleId :

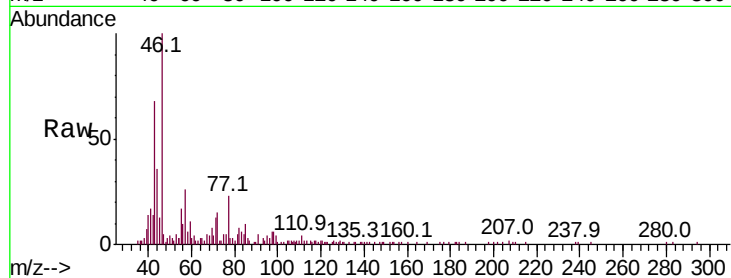
BF6X3

Tot Ion: 43 Resp: 17457

Ion Ratio Lower Upper

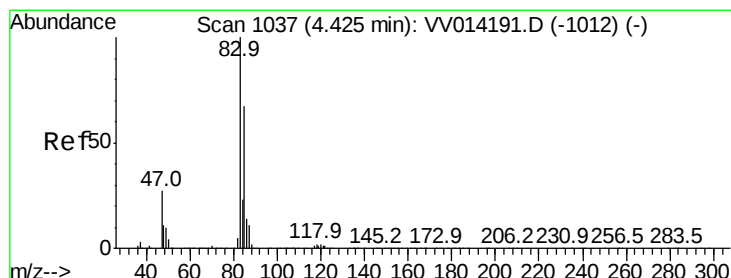
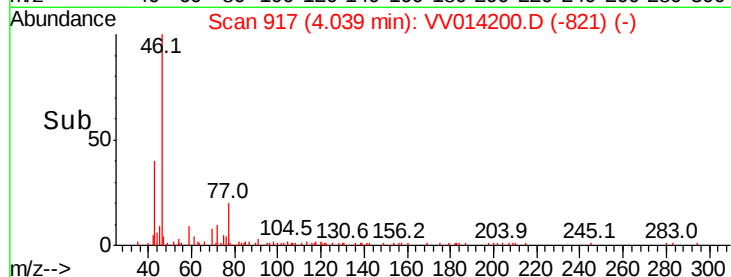
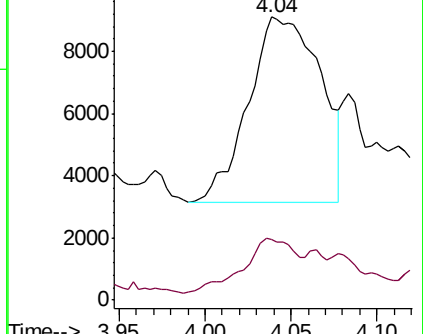
43 100

72 22.2 12.4 37.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



#25

Chloroform

Concen: 0.657 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV014200.D

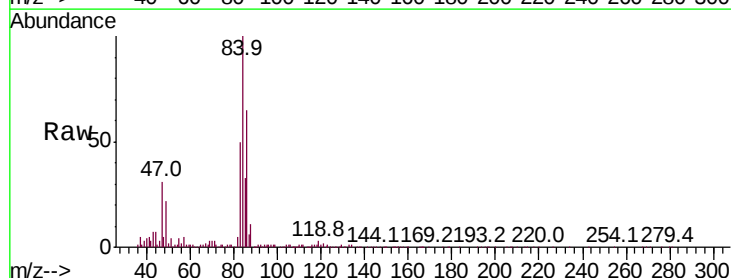
Acq: 27 Dec 2019 19:07

Tgt Ion: 83 Resp: 59878

Ion Ratio Lower Upper

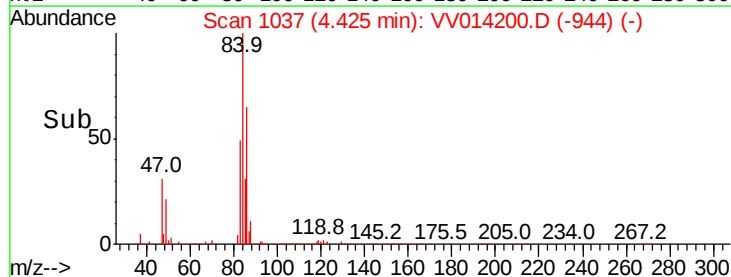
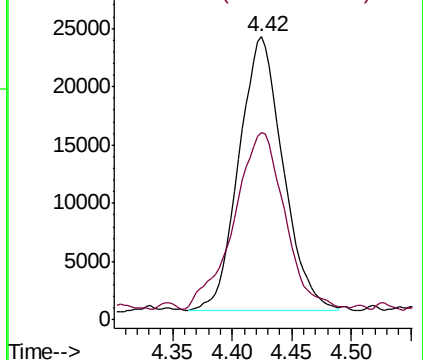
83 100

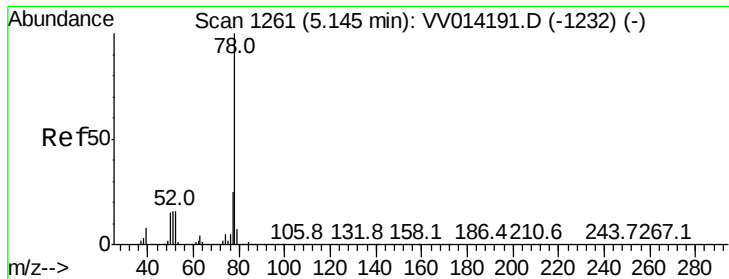
85 66.2 46.2 85.8



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#33

Benzene

Concen: 0.206 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV014200.D

Acq: 27 Dec 2019 19:07

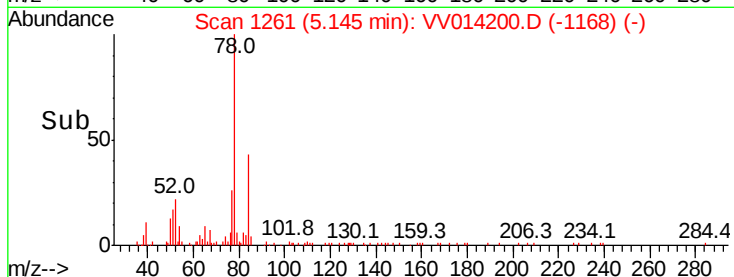
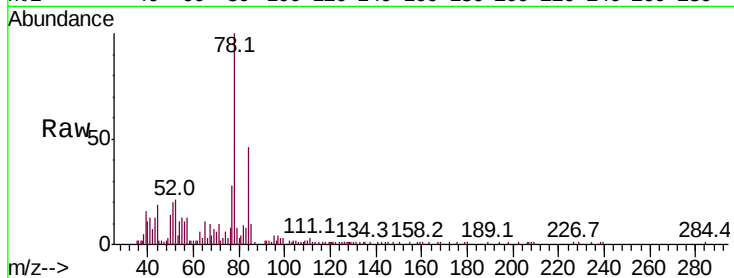
Instrument :

MSVOA_V

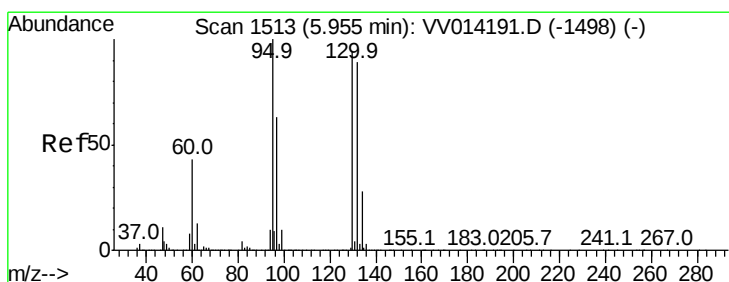
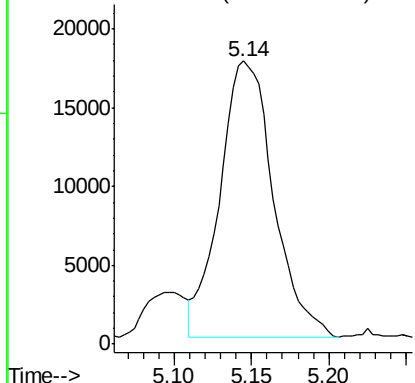
ClientSampled :

BF6X3

Tgt Ion: 78 Resp: 42143



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.365 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014200.D

Acq: 27 Dec 2019 19:07

Tgt Ion: 95 Resp: 20064

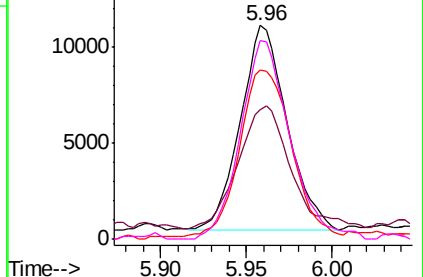
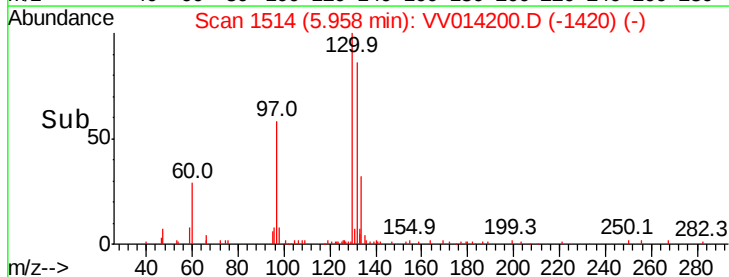
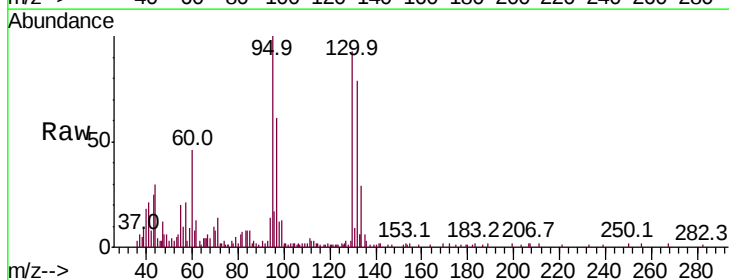
Ion	Ratio	Lower	Upper
95	100		
97	60.8	43.8	81.3
132	79.4	63.4	117.8
130	92.8	65.7	122.1

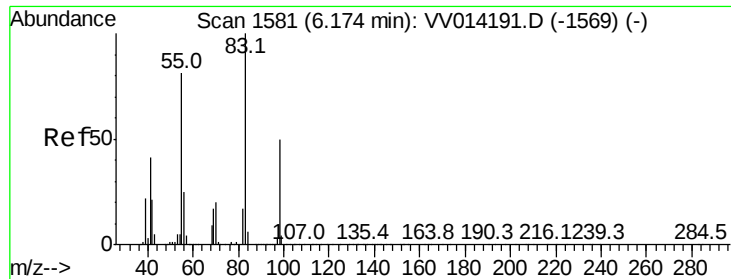
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

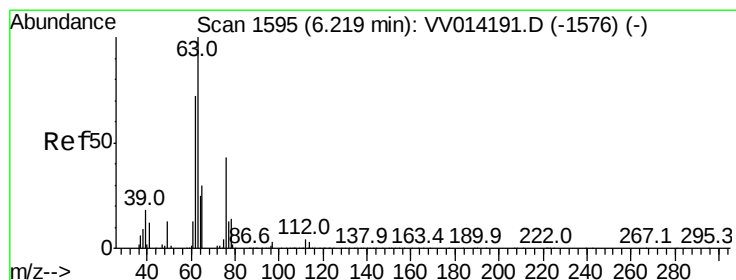
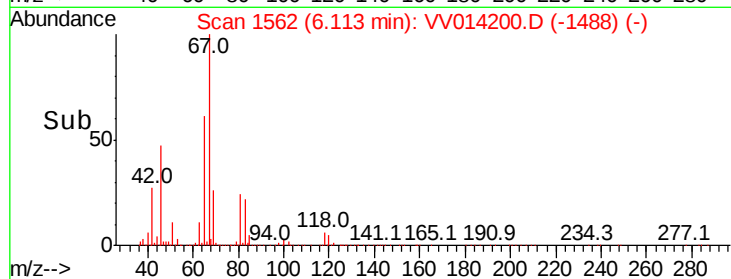
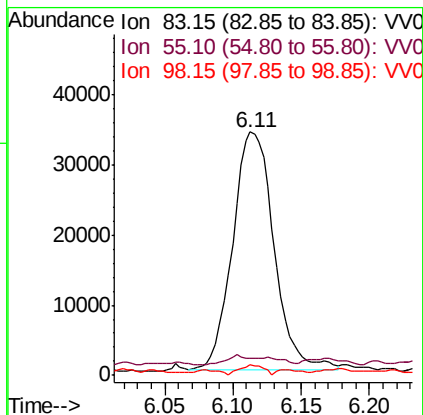
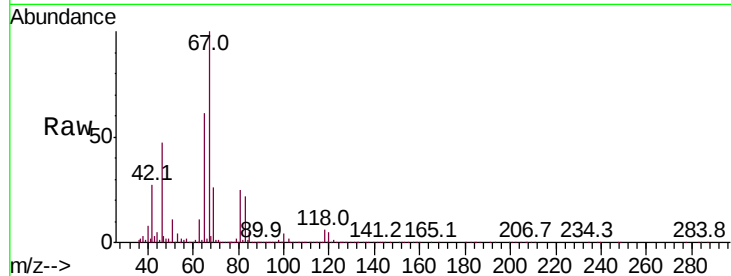




#35
Methvlcvclohexane
Concen: 0.780 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV014200.D
Acq: 27 Dec 2019 19:07

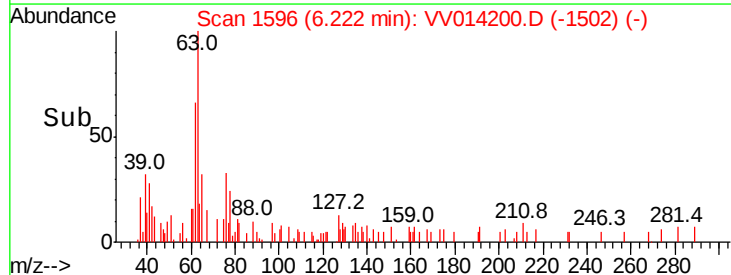
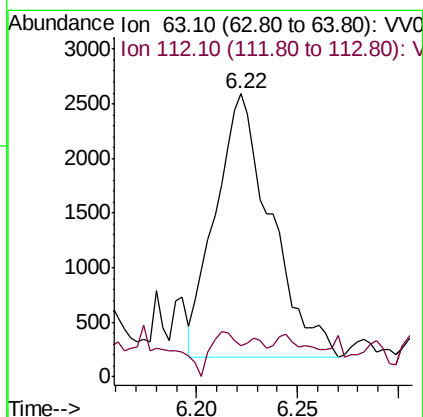
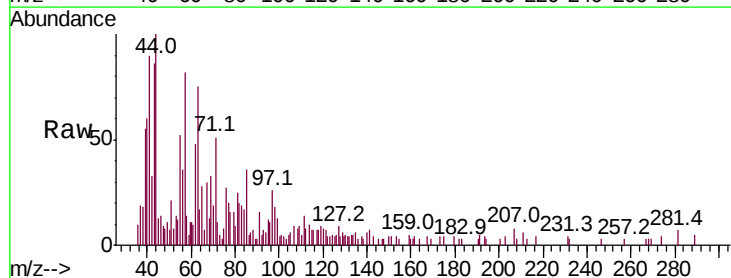
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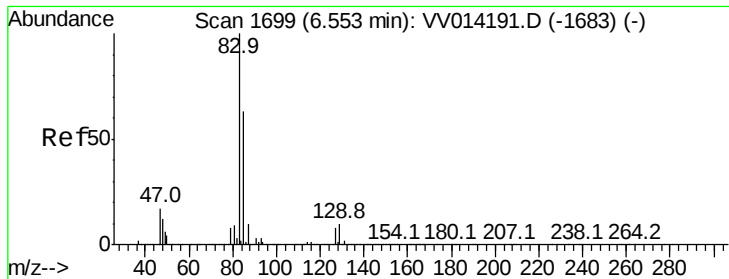
Tot Ion: 83 Resp: 71326
Ion Ratio Lower Upper
83 100
55 2.0 61.7 92.5#
98 2.6 38.1 57.1#



#37
1,2-Dichloropropane
Concen: 0.093 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VV014200.D
Acq: 27 Dec 2019 19:07

Tgt Ion: 63 Resp: 4637
Ion Ratio Lower Upper
63 100
112 8.3 3.7 5.5#





#38

Bromodichloromethane

Concen: 0.114 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV014200.D

Acq: 27 Dec 2019 19:07

Instrument :

MSVOA_V

ClientSampleId :

BF6X3

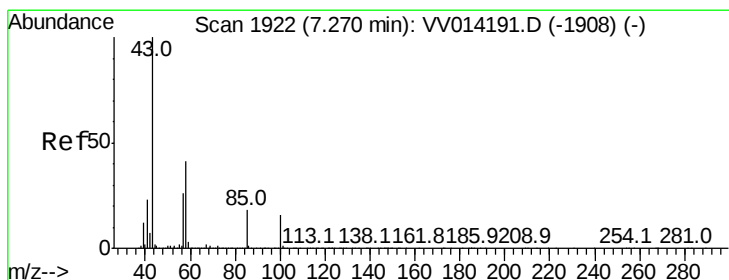
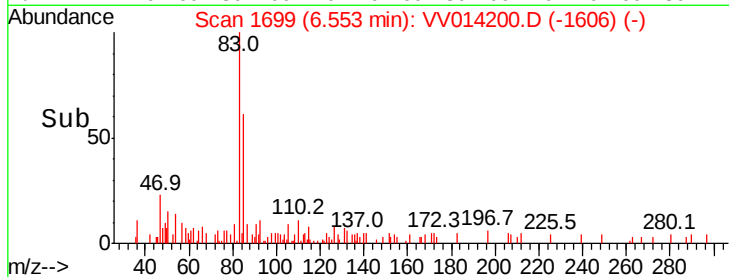
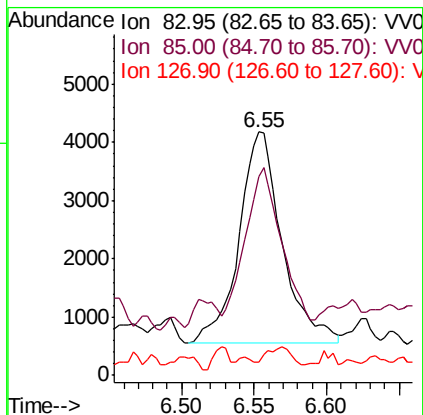
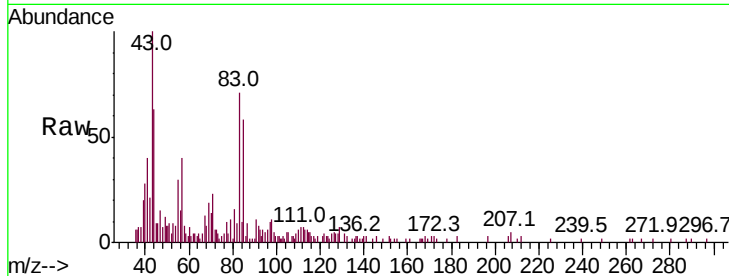
Tot Ion: 83 Resp: 7549

Ion Ratio Lower Upper

83 100

85 81.5 46.4 86.2

127 5.3 6.3 9.5#



#40

4-Methyl-2-pentanone

Concen: 4.069 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VV014200.D

Acq: 27 Dec 2019 19:07

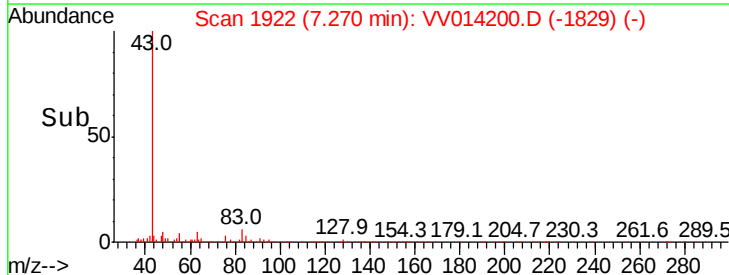
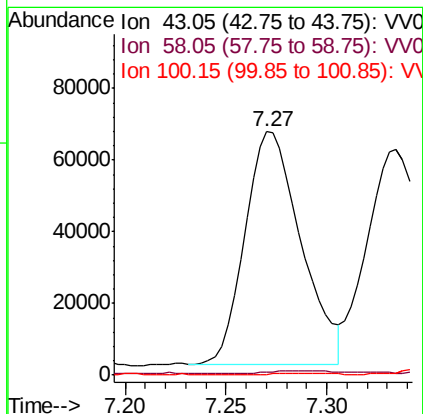
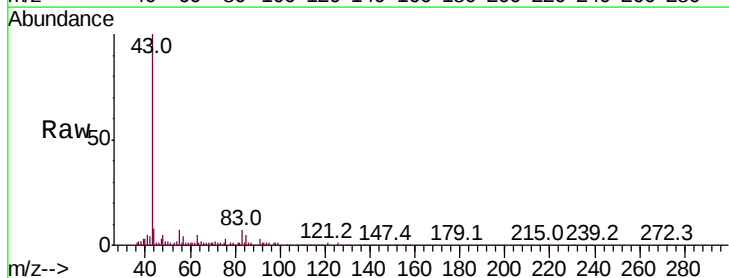
Tgt Ion: 43 Resp: 126021

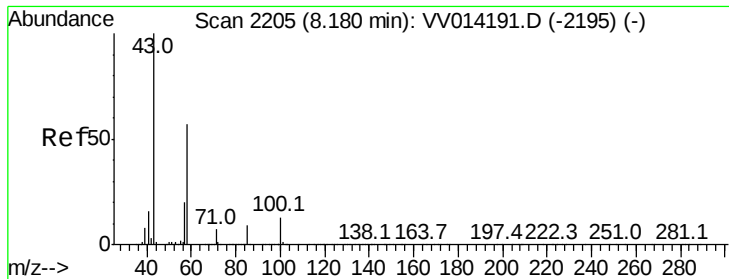
Ion Ratio Lower Upper

43 100

58 1.3 31.5 47.3#

100 0.9 12.2 18.2#

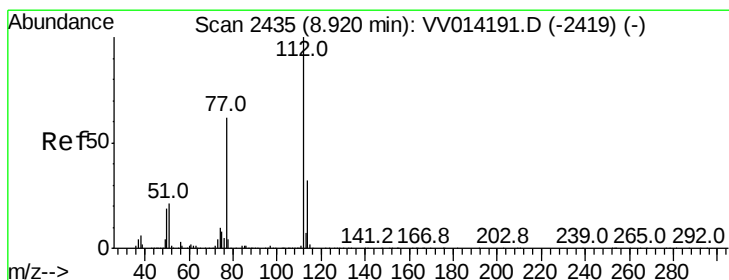
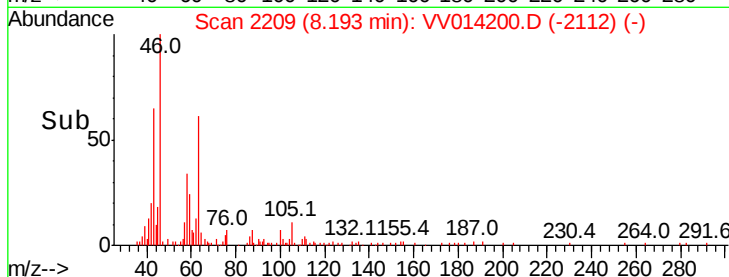
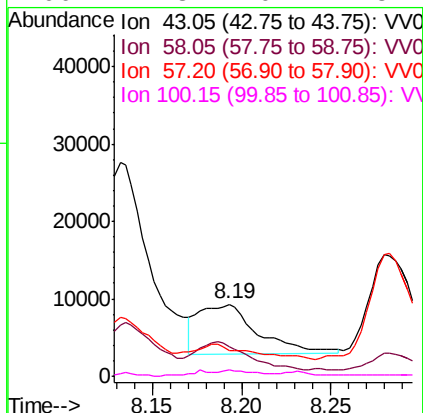
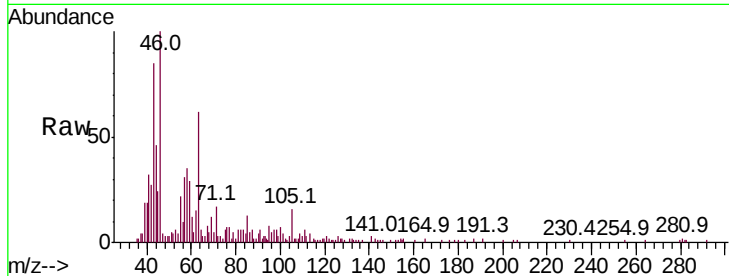




#48
2-Hexanone
Concen: 0.675 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV014200.D
Acq: 27 Dec 2019 19:07

Instrument :
MSVOA_V
ClientSampleId :
BF6X3

Tot Ion:	43	Resp:	14460
Ion	Ratio	Lower	Upper
43	100		
58	51.8	45.4	68.0
57	19.0	15.8	23.8
100	7.3	10.2	15.4#



#51
Chlorobenzene
Concen: 0.066 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV014200.D
Acq: 27 Dec 2019 19:07

Tgt Ion:	112	Resp:	9213
Ion	Ratio	Lower	Upper
112	100		
114	44.2	22.5	41.7#
77	78.2	49.3	73.9#

