

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 01:09:55 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
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2397	0.080	ug/L #	53
12) 1,1-Dichloroethene	2.14	96	2147	0.073	ug/L #	1
13) Acetone	2.19	43	74062	15.510	ug/L	91
14) Carbon disulfide	2.32	76	272964	2.122	ug/L	99
15) Methyl Acetate	2.47	43	4354	0.275	ug/L #	84
21) 2-Butanone	4.04	43	14518	1.637	ug/L	87
22) cis-1,2-Dichloroethene	3.97	96	8902	0.178	ug/L #	89
25) Chloroform	4.43	83	12734	0.148	ug/L	84
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

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Dec 28 01:05:52 2019
Response via : Initial Calibration

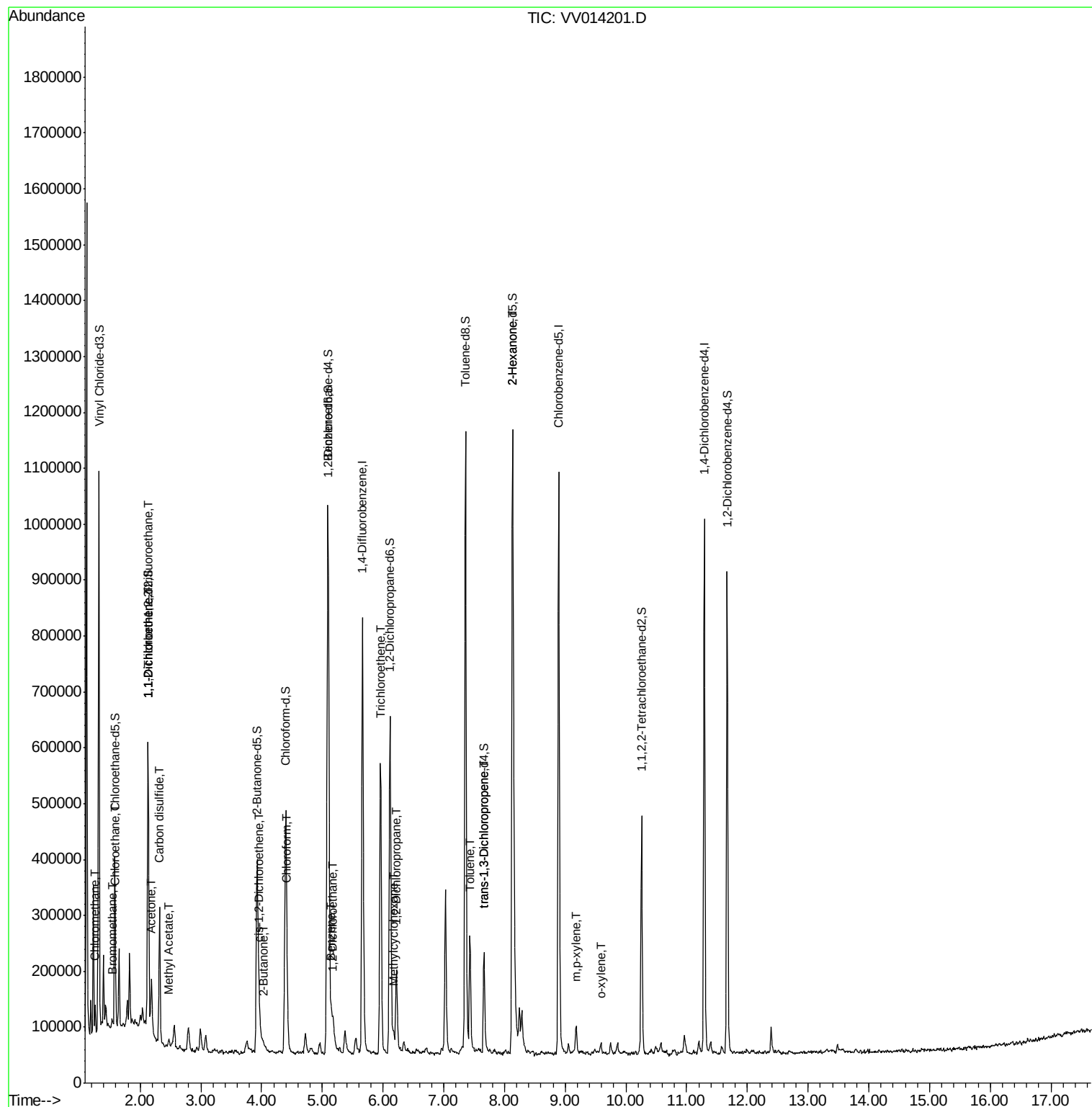
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.67	75	5330	0.097	ug/L #	72
48) 2-Hexanone	8.13	43	57929	3.150	ug/L #	76
53) m,p-xylene	9.18	106	14891	0.185	ug/L	99
54) o-xylene	9.59	106	6683	0.085	ug/L	86

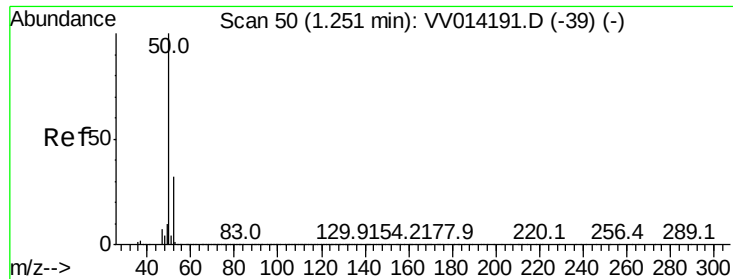
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

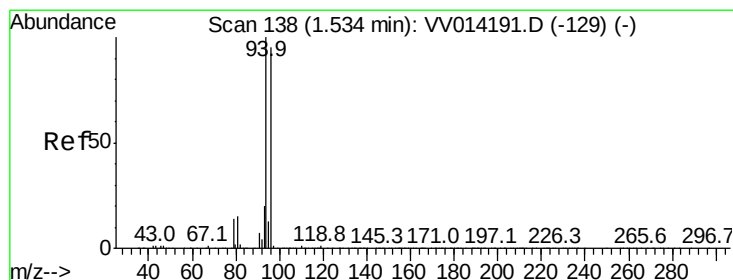
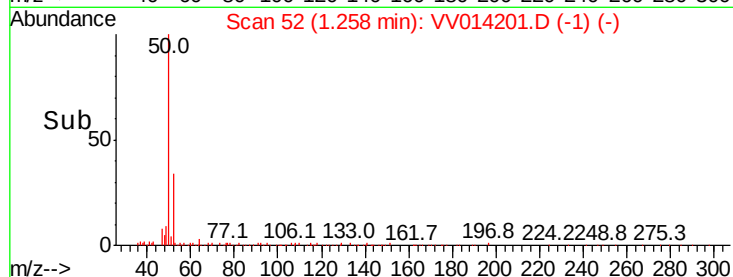
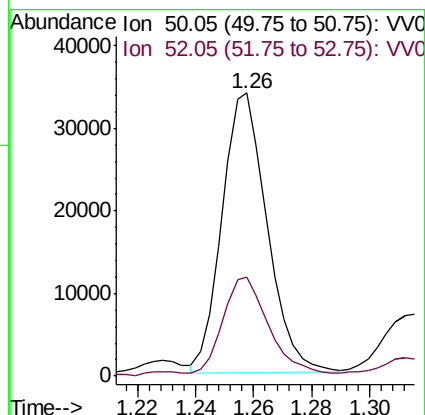
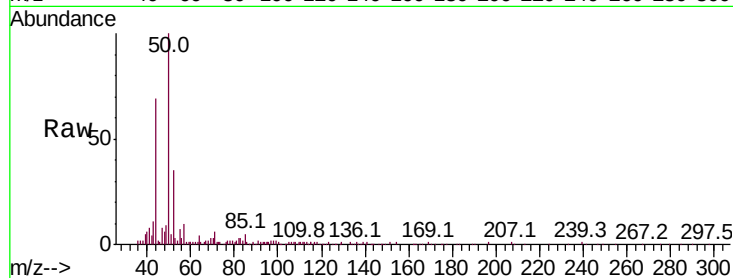
BF6X4

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

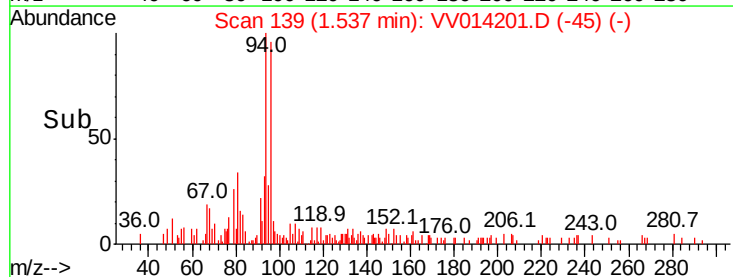
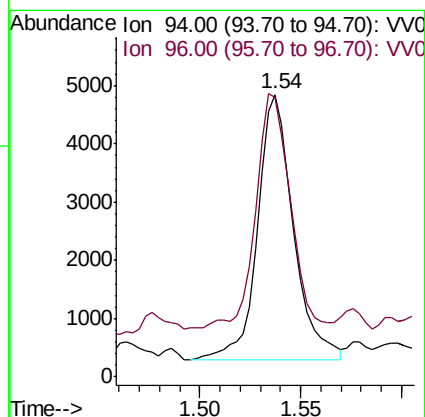
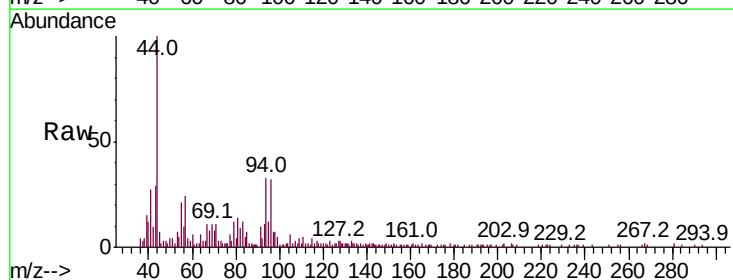
Acq: 27 Dec 2019 19:31

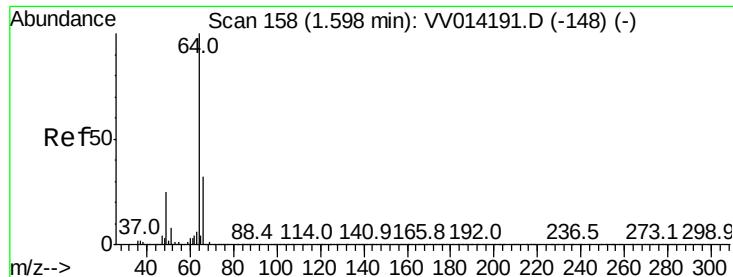
Tgt Ion: 94 Resp: 5658

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 :

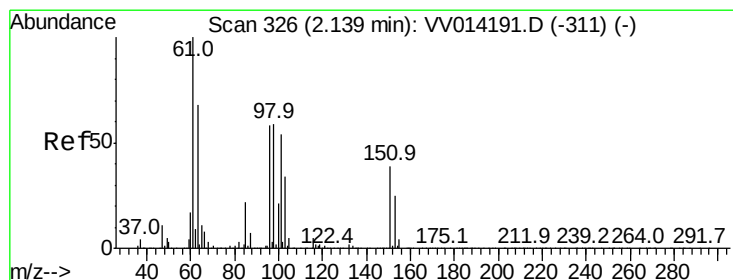
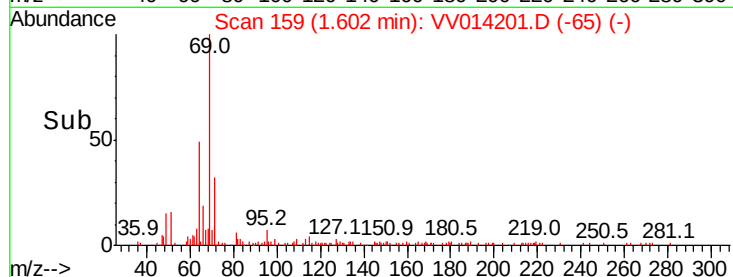
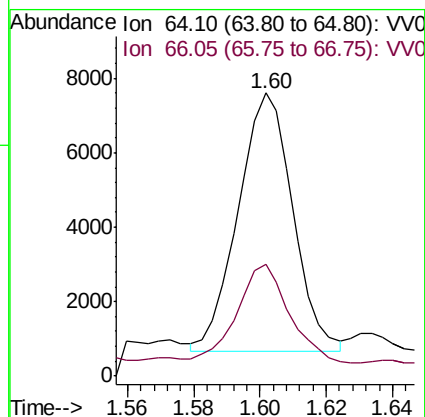
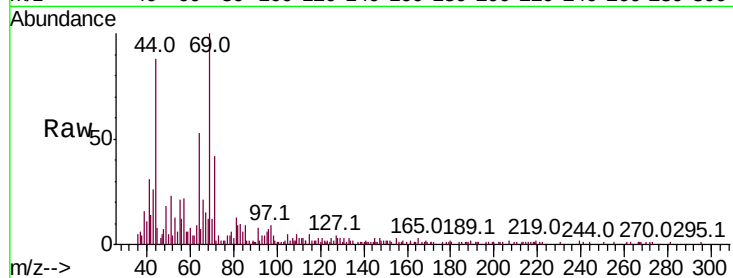
BF6X4

Tot Ion: 64 Resp: 7932

Ion Ratio Lower Upper

64 100

66 39.5 21.8 40.6



#10

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

Concen: 0.080 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV014201.D

Acq: 27 Dec 2019 19:31

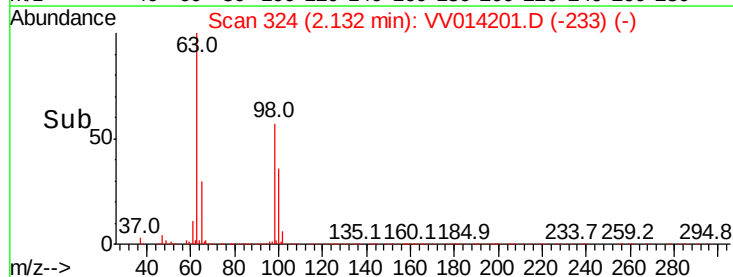
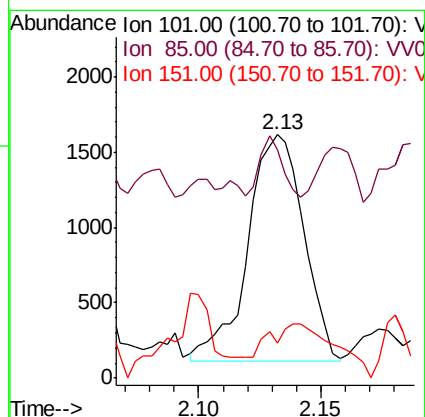
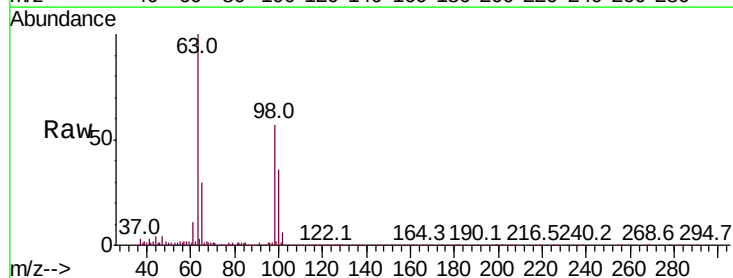
Tgt Ion: 101 Resp: 2397

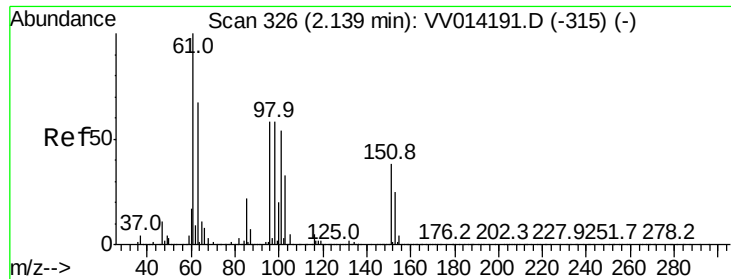
Ion Ratio Lower Upper

101 100

85 21.0 34.9 52.3#

151 31.0 62.5 93.7#

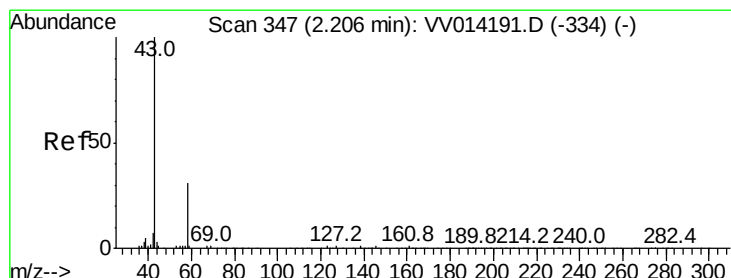
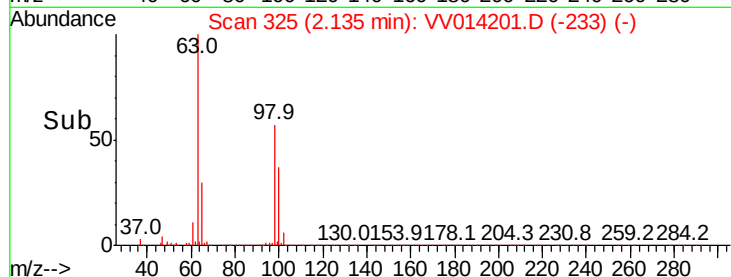
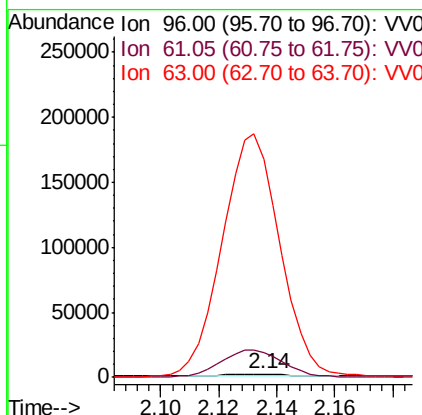
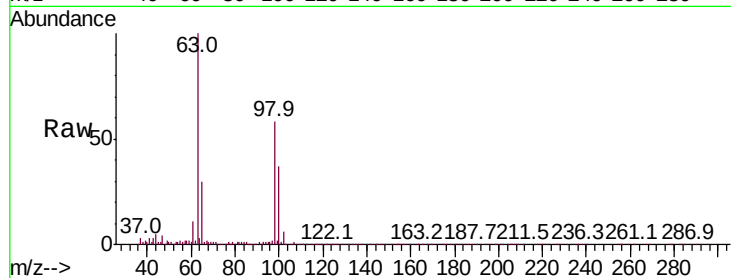




#12
 1,1-Dichloroethene
 Concen: 0.073 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: VV014201.D
 Acq: 27 Dec 2019 19:31

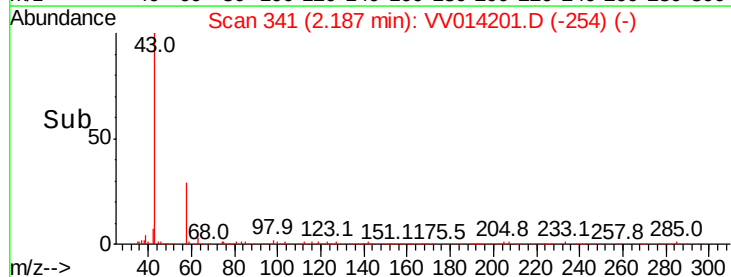
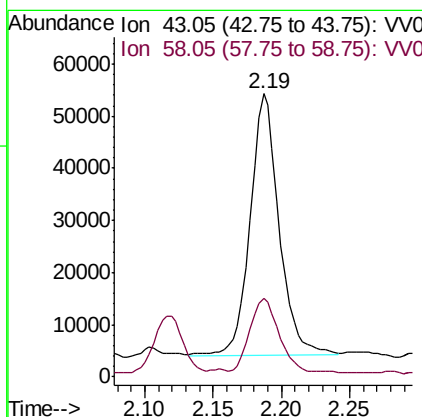
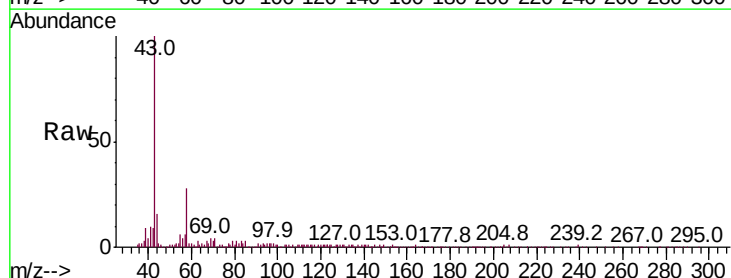
Instrument :
 MSVOA_V
 ClientSampleId :
 BF6X4

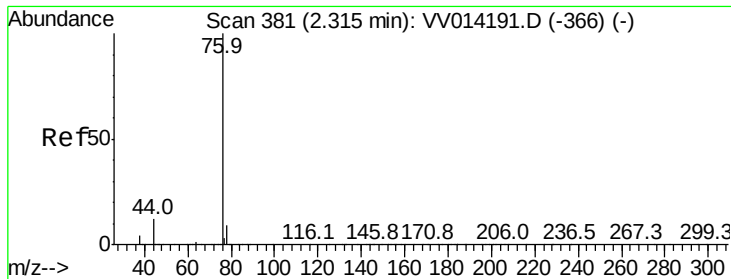
Tot Ion: 96 Resp: 2147
 Ion Ratio Lower Upper
 96 100
 61 766.6 121.5 225.7#
 63 6677.7 90.3 167.7#



#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 :

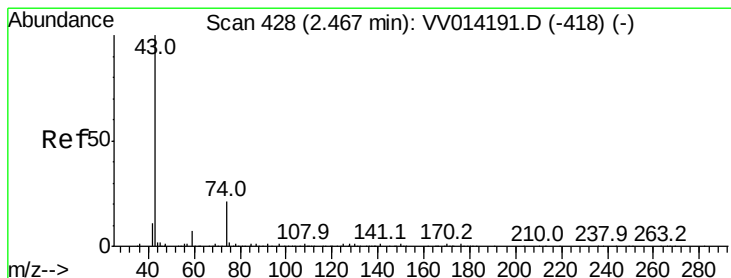
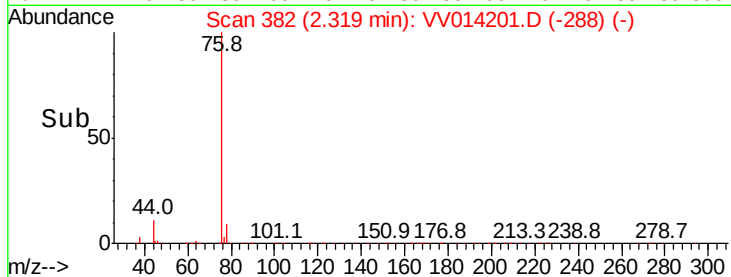
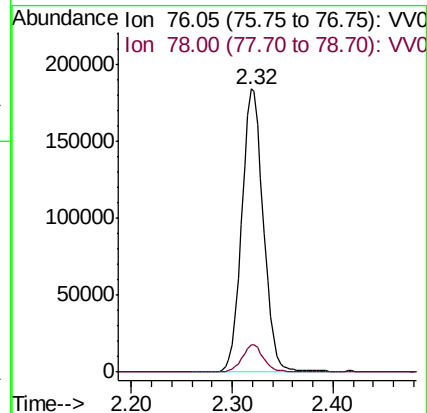
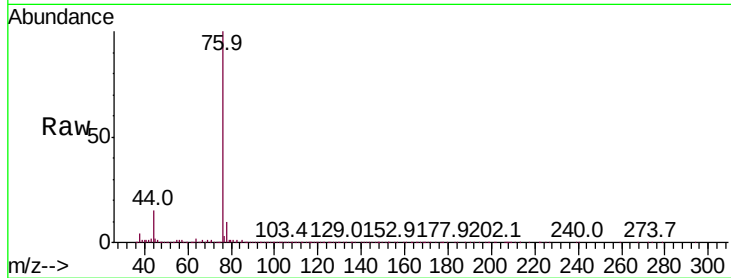
BF6X4

Tot Ion: 76 Resp: 272964

Ion Ratio Lower Upper

76 100

78 9.6 7.5 11.3



#15

Methyl Acetate

Concen: 0.275 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VV014201.D

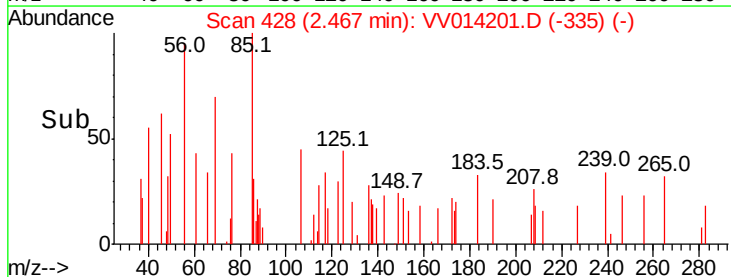
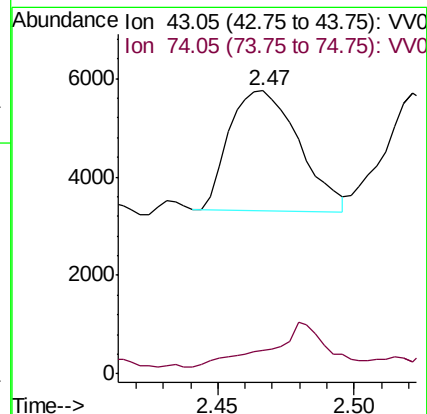
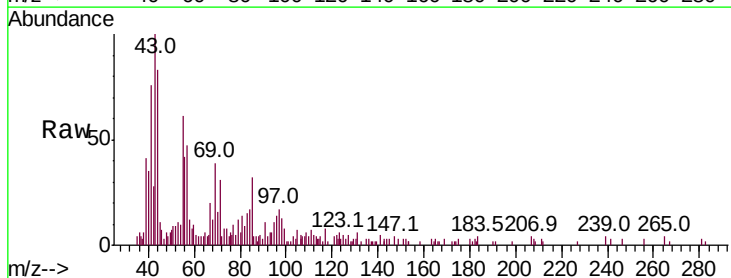
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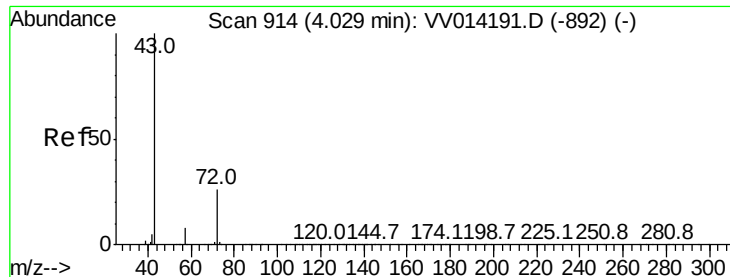
Tgt Ion: 43 Resp: 4354

Ion Ratio Lower Upper

43 100

74 30.9 18.6 28.0#





#21

2-Butanone

Concen: 1.637 ug/L

RT: 4.04 min Scan# 916

Delta R.T. 0.01 min

Lab File: VV014201.D

Acq: 27 Dec 2019 19:31

Instrument :

MSVOA_V

ClientSampleId :

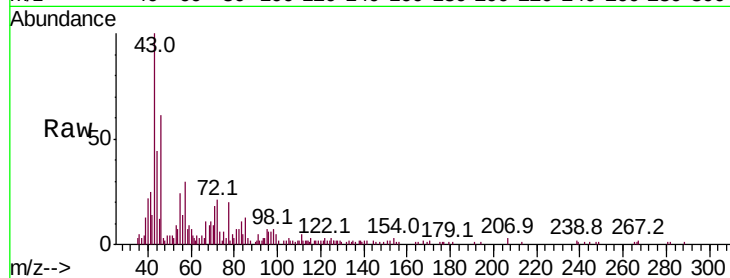
BF6X4

Tot Ion: 43 Resp: 14518

Ion Ratio Lower Upper

43 100

72 18.5 12.4 37.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0

4.04

10000

8000

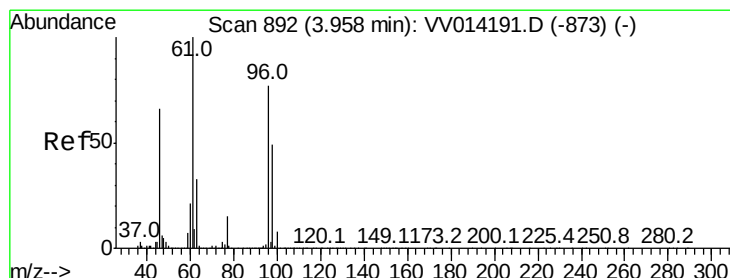
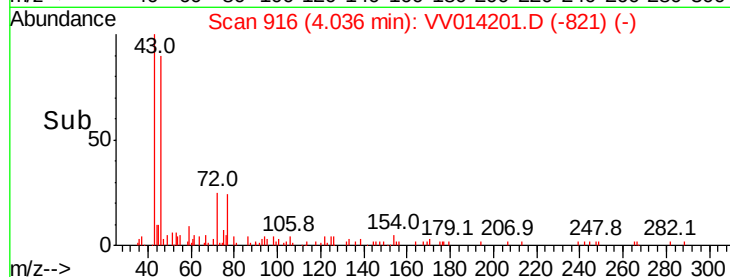
6000

4000

2000

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.178 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.01 min

Lab File: VV014201.D

Acq: 27 Dec 2019 19:31

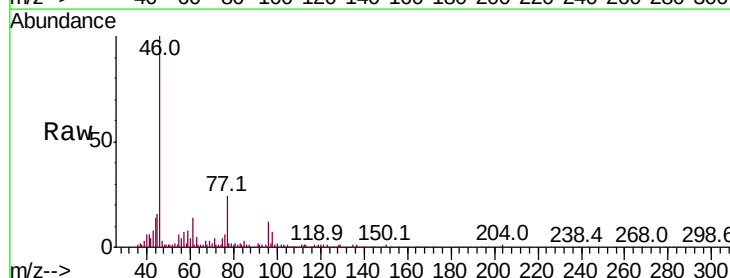
Tgt Ion: 96 Resp: 8902

Ion Ratio Lower Upper

96 100

61 116.9 90.6 168.3

68 12.6 0.3 0.7#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

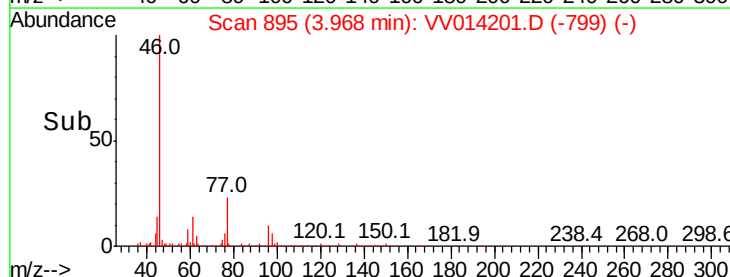
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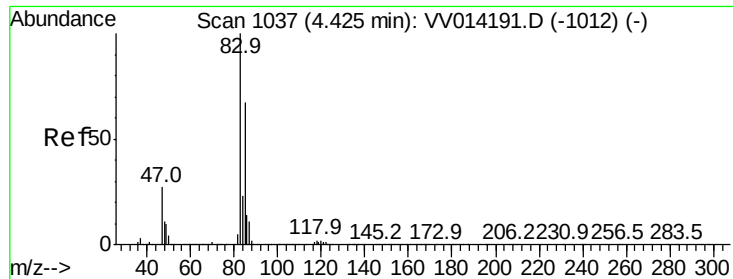
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Time-->

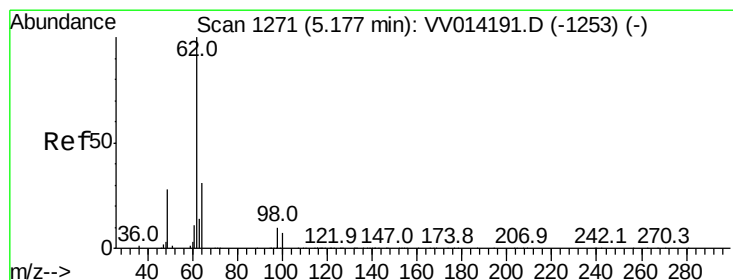
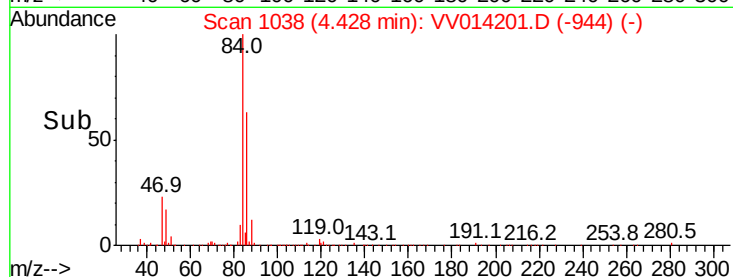
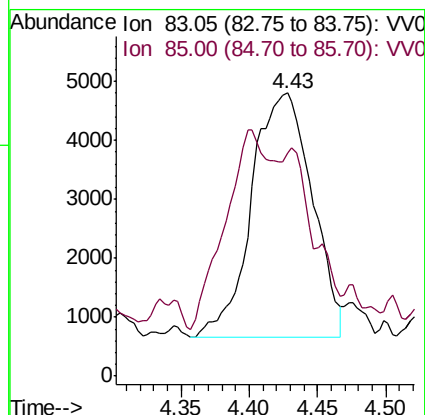
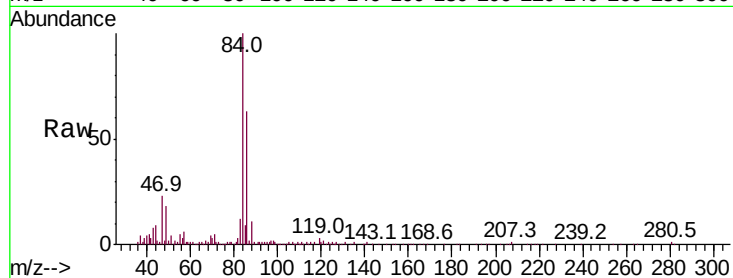




#25
Chloroform
Concen: 0.148 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV014201.D
Acq: 27 Dec 2019 19:31

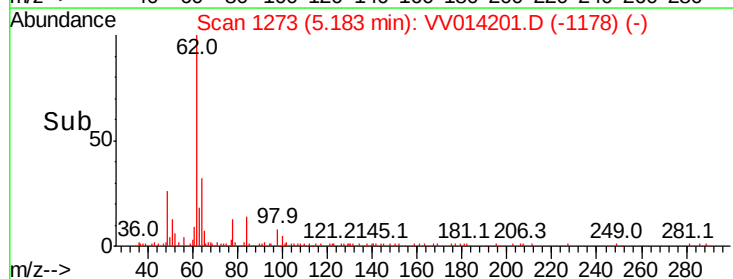
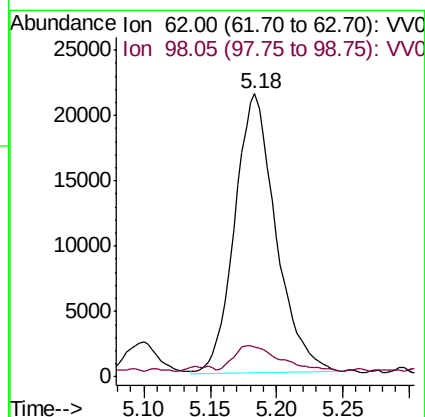
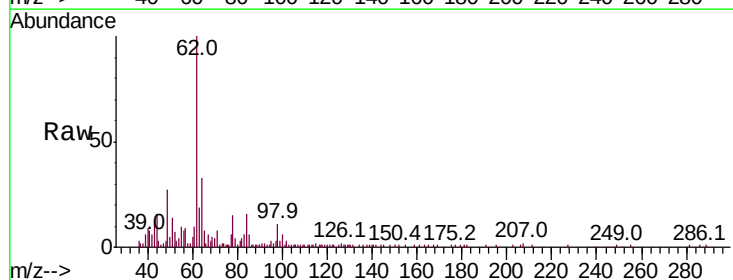
Instrument :
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BF6X4

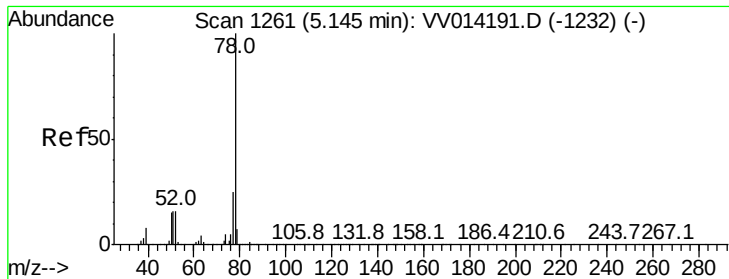
Tot Ion: 83 Resp: 12734
Ion Ratio Lower Upper
83 100
85 78.7 46.2 85.8



#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





#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

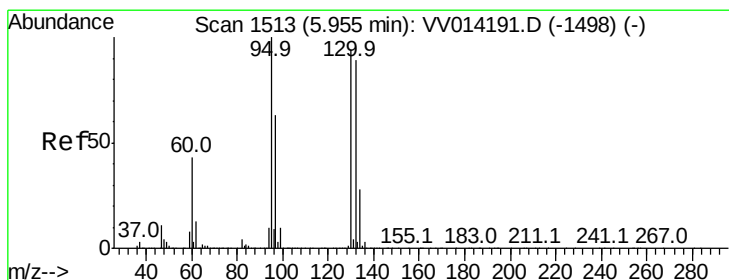
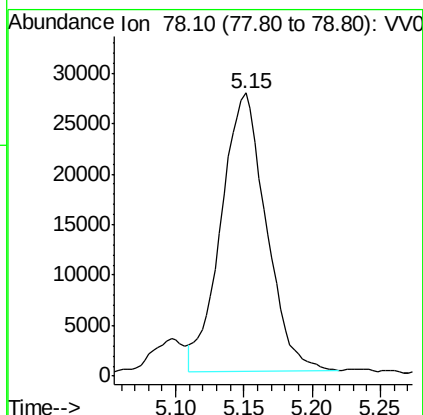
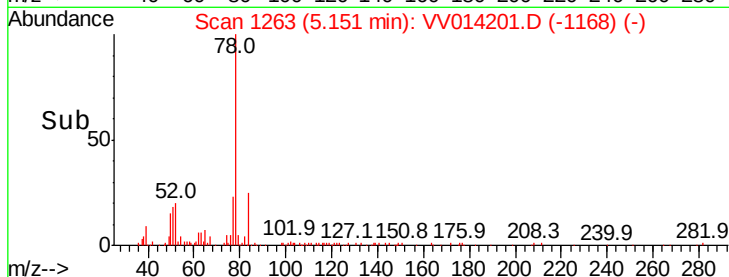
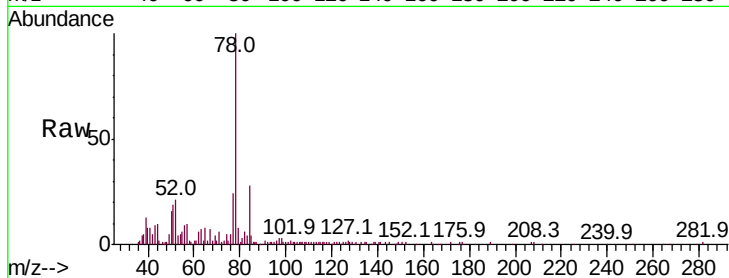
Instrument :

MSVOA_V

ClientSampleId :

BF6X4

Tgt Ion: 78 Resp: 63136



#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

150000

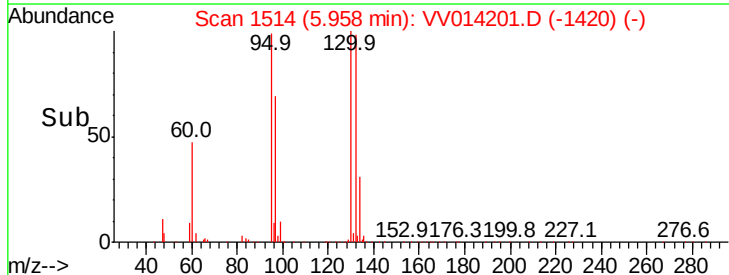
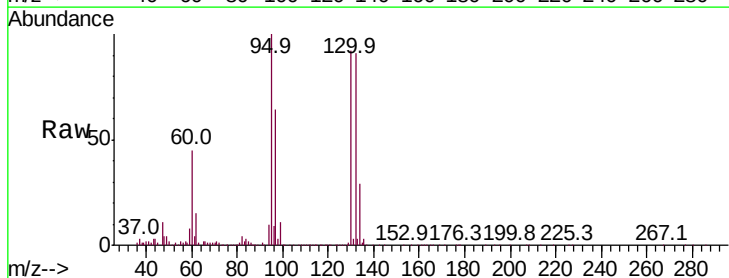
100000

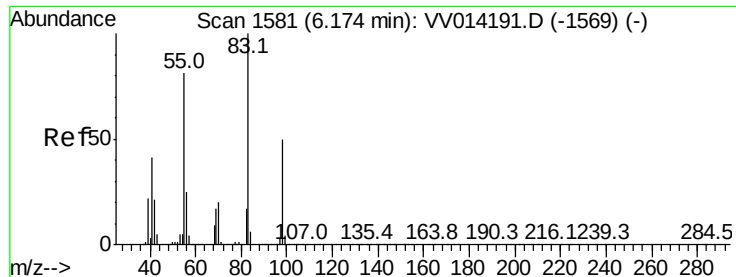
50000

0

5.90 6.00 6.10

Time-->





#35

Methylvlcyclohexane

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 :

MSVOA_V

ClientSampleId :

BF6X4

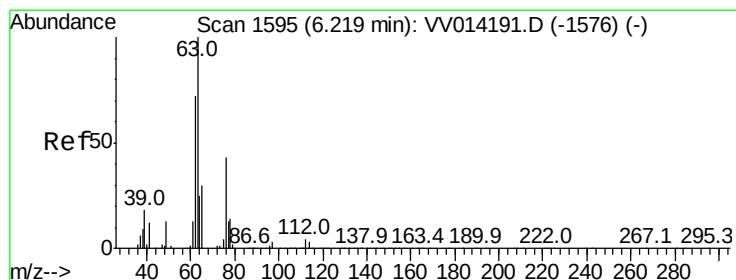
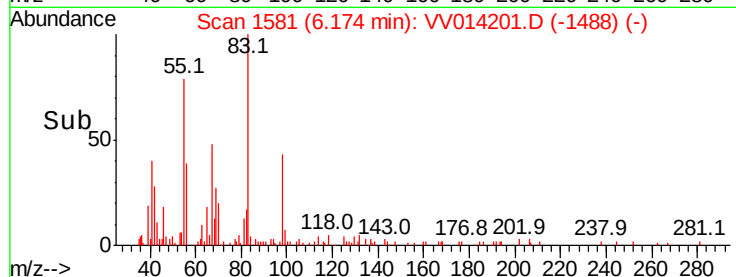
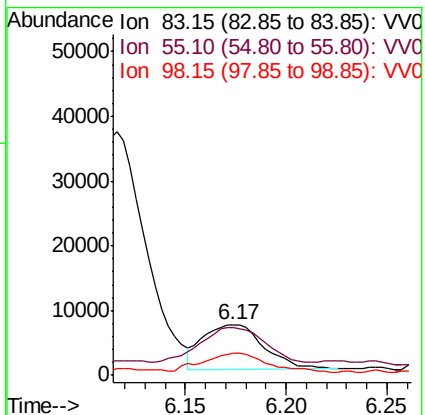
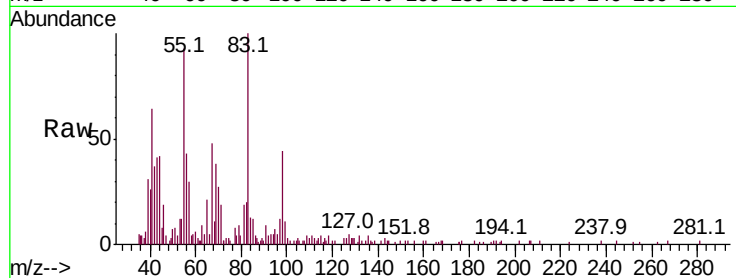
Tot Ion: 83 Resp: 14706

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

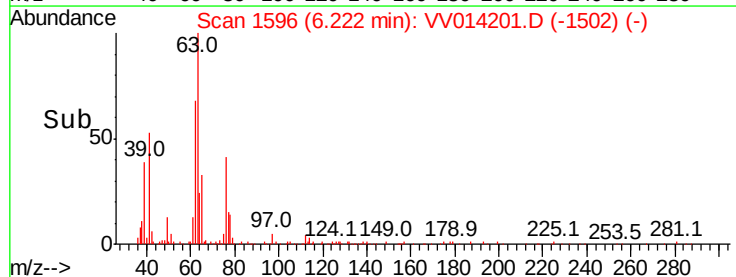
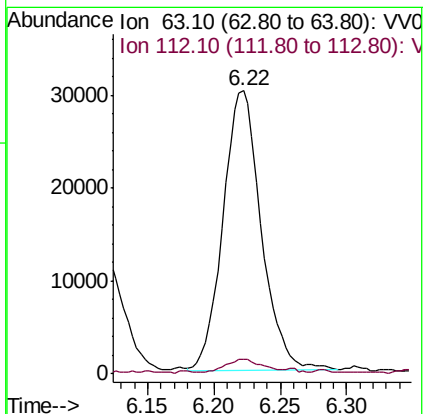
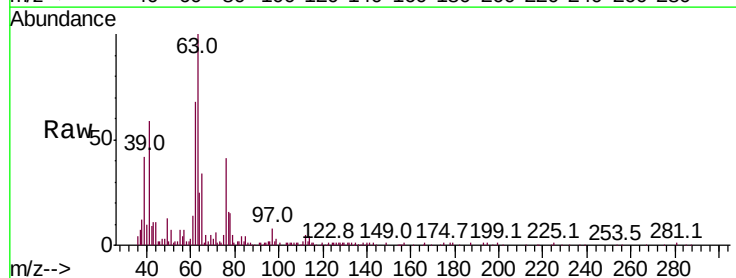
Acq: 27 Dec 2019 19:31

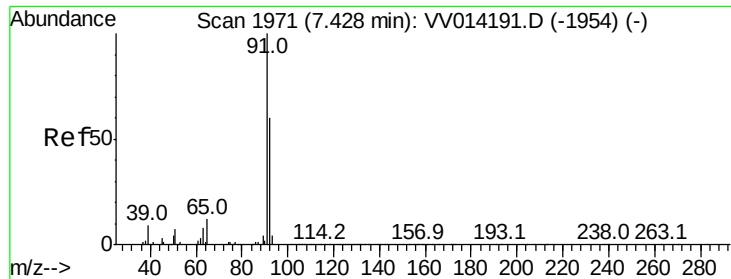
Tgt Ion: 63 Resp: 60299

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 :

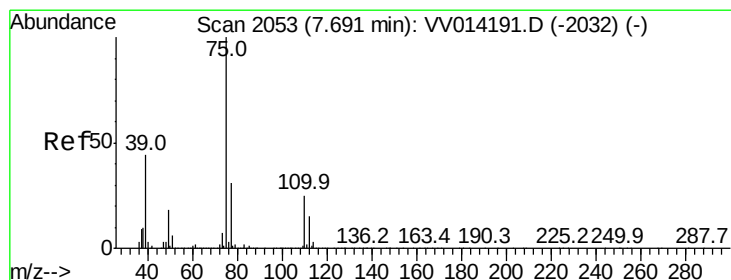
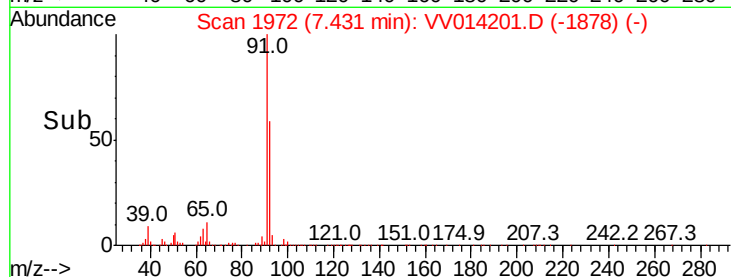
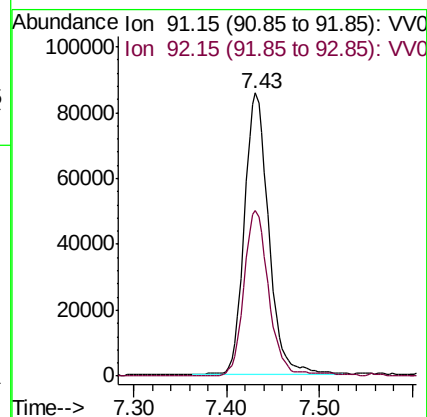
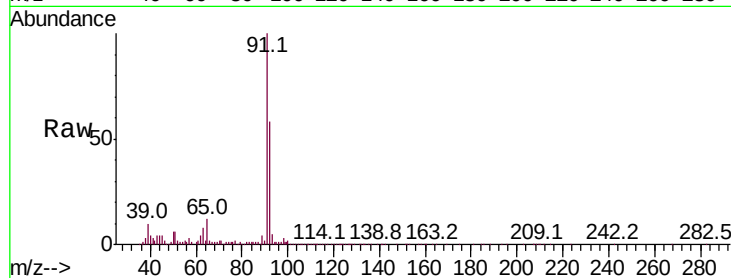
BF6X4

Tot Ion: 91 Resp: 155713

Ion Ratio Lower Upper

91 100

92 58.5 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV014201.D

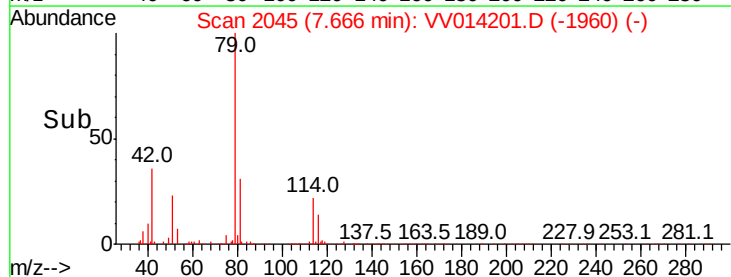
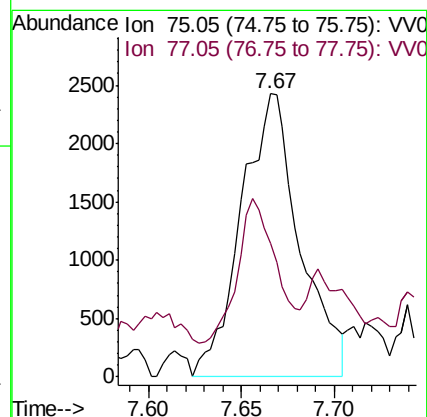
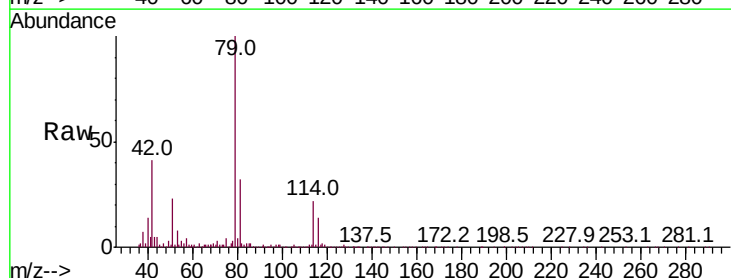
Acq: 27 Dec 2019 19:31

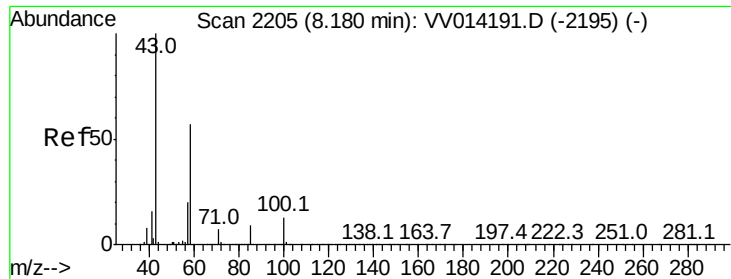
Tgt Ion: 75 Resp: 5330

Ion Ratio Lower Upper

75 100

77 47.3 22.0 41.0#

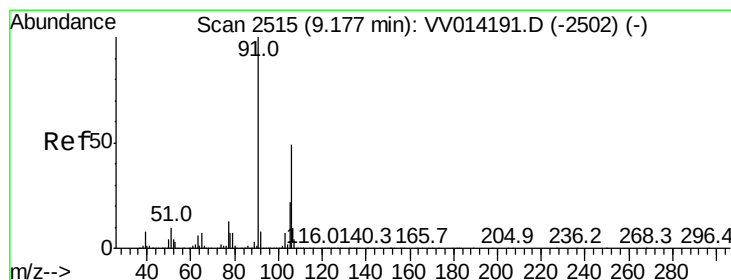
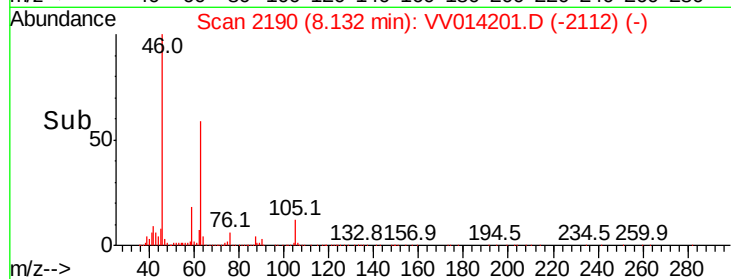
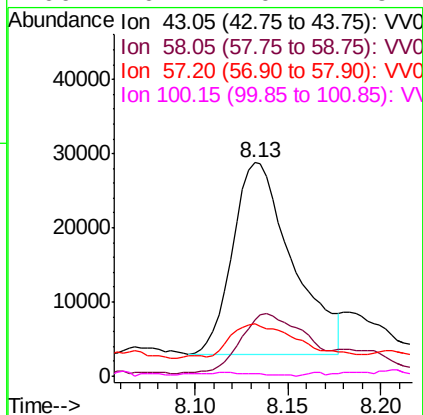
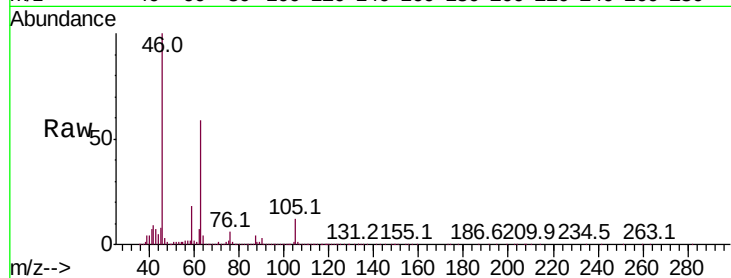




#48
2-Hexanone
Concen: 3.150 ug/L
RT: 8.13 min Scan# 2190
Delta R.T. -0.05 min
Lab File: VV014201.D
Acq: 27 Dec 2019 19:31

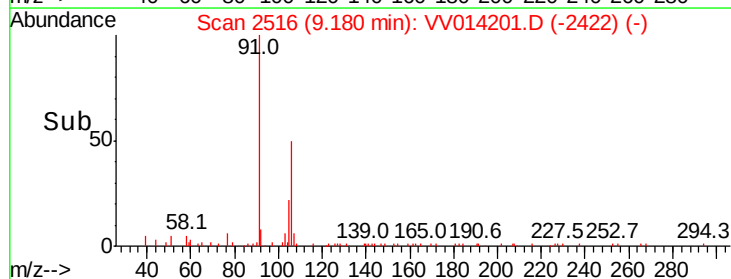
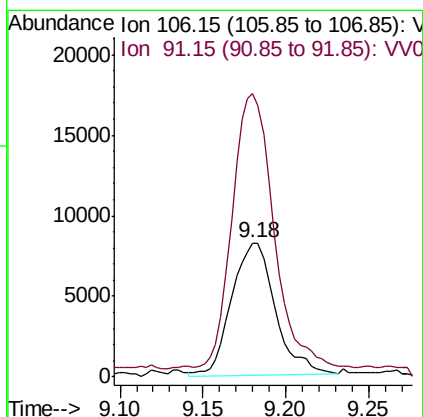
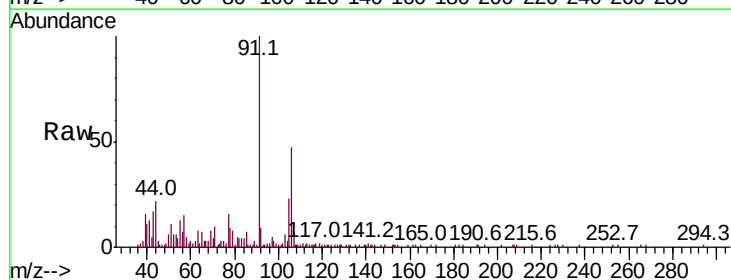
Instrument :
MSVOA_V
ClientSampleId :
BF6X4

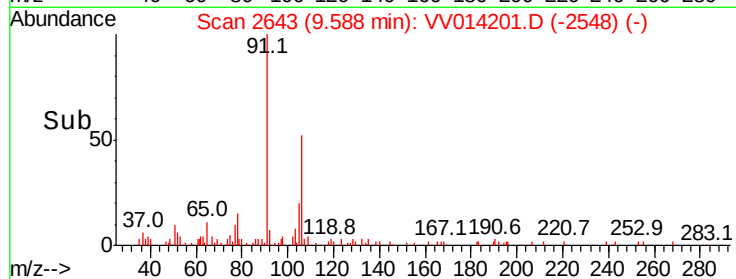
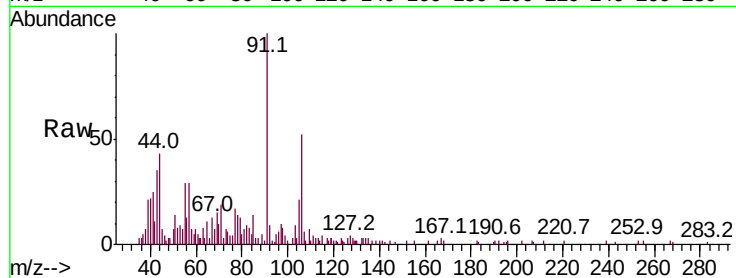
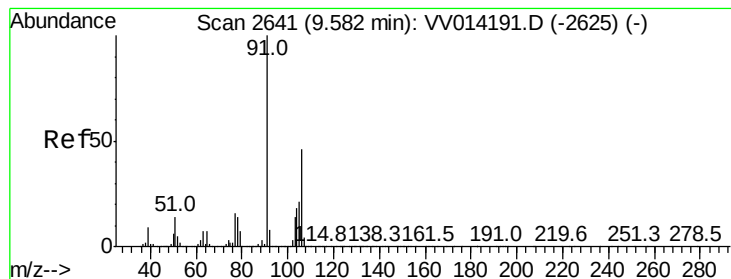
Tot Ion:	43	Resp:	57929
Ion	Ratio	Lower	Upper
43	100		
58	34.7	45.4	68.0#
57	19.2	15.8	23.8
100	0.2	10.2	15.4#



#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

