

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122719\
 Data File : VV014198.D
 Acq On : 27 Dec 2019 18:19
 Operator : SY/MD
 Sample : K6432-03
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF6X1

Quant Time: Dec 28 01:09:17 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	792614	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	729868	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	338419	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	217712	5.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	117.20%
7) Chloroethane-d5	1.59	69	189421	6.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	122.60%
11) 1,1-Dichloroethene-d2	2.13	63	263039	3.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.00%
20) 2-Butanone-d5	3.92	46	566956	61.48	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.96%
24) Chloroform-d	4.40	84	451168	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.08	65	225159	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.10	84	937740	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.12	67	294751	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.36	98	843624	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
43) trans-1,3-Dichloropropene-	7.66	79	116379	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	8.13	63	496968	48.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.04%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	208187	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	276340	4.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	10096	0.185	ug/L	97
6) Bromomethane	1.54	94	6432	0.269	ug/L	87
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3203	0.089	ug/L #	39
12) 1,1-Dichloroethene	2.13	96	4415	0.126	ug/L #	1
13) Acetone	2.19	43	45140	7.937	ug/L	98
14) Carbon disulfide	2.32	76	158863	1.037	ug/L	98
17) Methyl tert-butyl Ether	2.81	73	18582	0.143	ug/L #	4
22) cis-1,2-Dichloroethene	3.96	96	9518	0.160	ug/L #	91
27) 1,2-Dichloroethane	5.18	62	3095	0.054	ug/L #	46
33) Benzene	5.15	78	29789	0.132	ug/L	100
34) Trichloroethene	5.96	95	45638	0.755	ug/L	98
35) Methylcyclohexane	6.17	83	10092	0.100	ug/L	92
37) 1,2-Dichloropropane	6.22	63	7319	0.133	ug/L #	91
42) Toluene	7.43	91	69696	0.281	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	4704	0.067	ug/L #	53
48) 2-Hexanone	8.13	43	55975	2.373	ug/L #	83

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

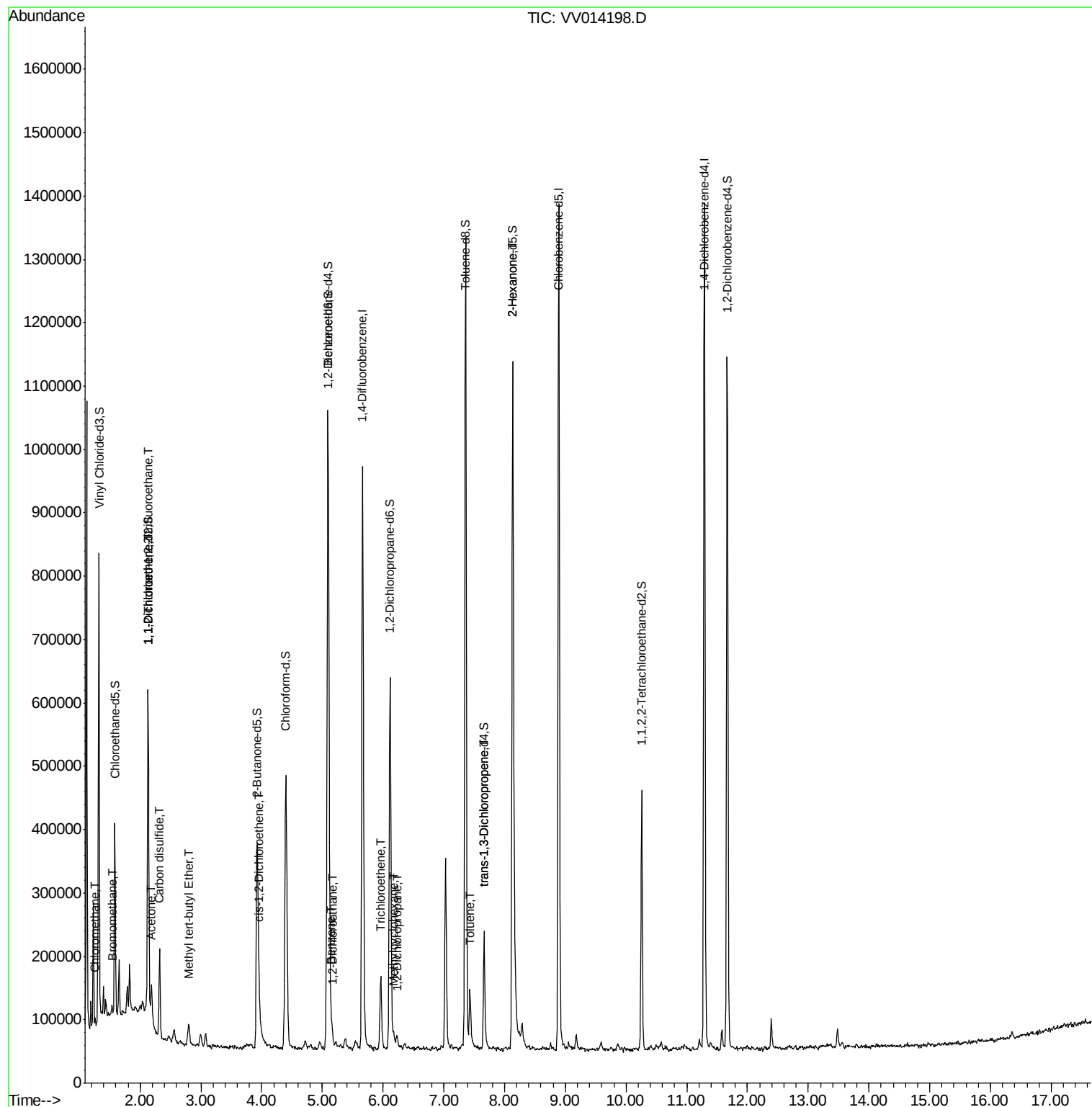
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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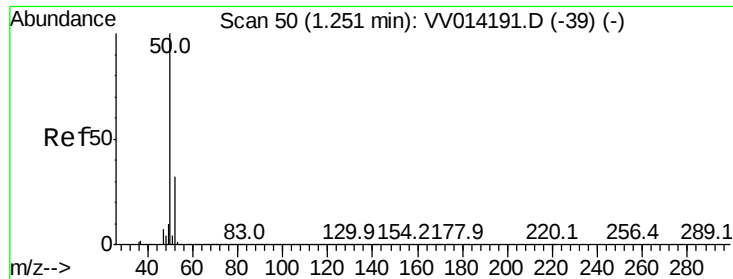
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.185 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014198.D

Acq: 27 Dec 2019 18:19

Instrument :

MSVOA_V

ClientSampled :

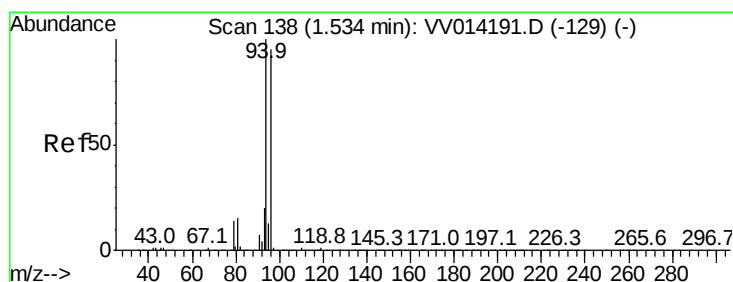
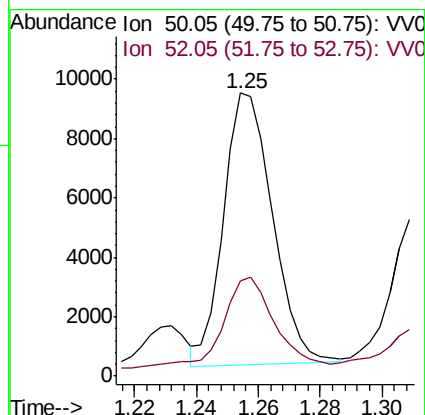
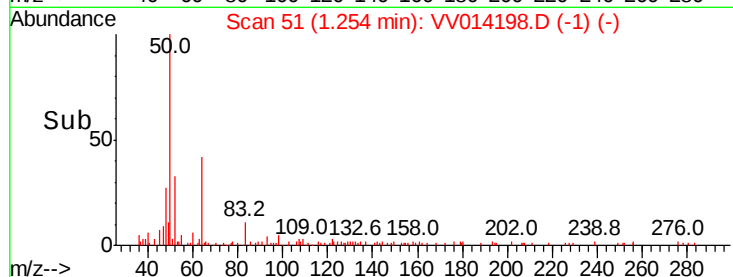
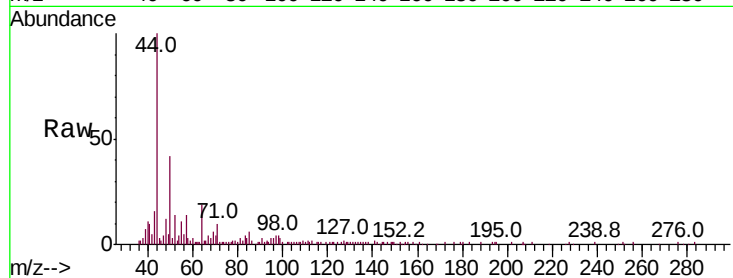
BF6X1

Tot Ion: 50 Resp: 10096

Ion Ratio Lower Upper

50 100

52 33.6 22.3 41.3



#6

Bromomethane

Concen: 0.269 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014198.D

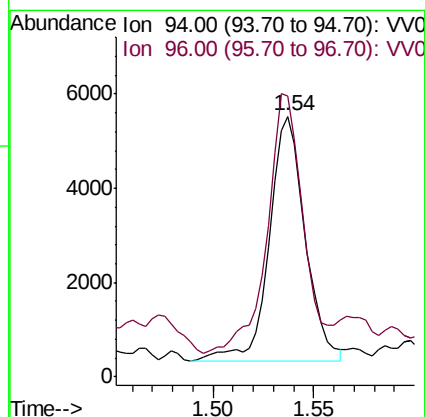
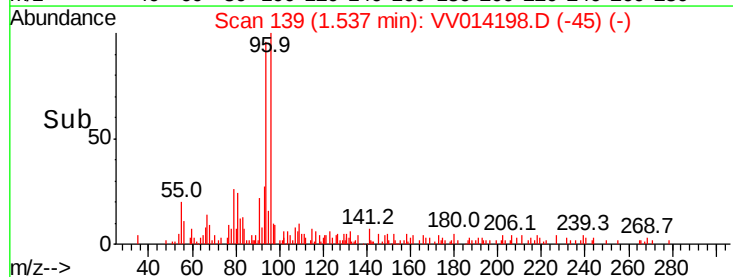
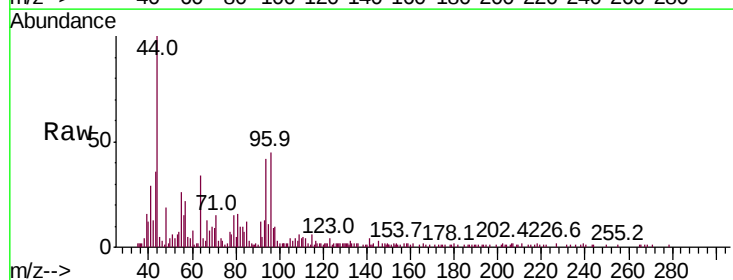
Acq: 27 Dec 2019 18:19

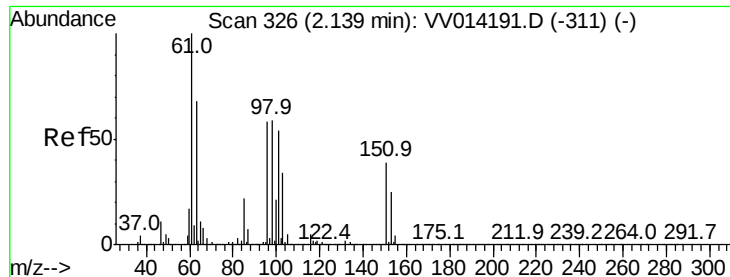
Tgt Ion: 94 Resp: 6432

Ion Ratio Lower Upper

94 100

96 107.9 66.9 124.3





#10

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

Concen: 0.089 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV014198.D

Acq: 27 Dec 2019 18:19

Instrument :

MSVOA_V

ClientSampled :

BF6X1

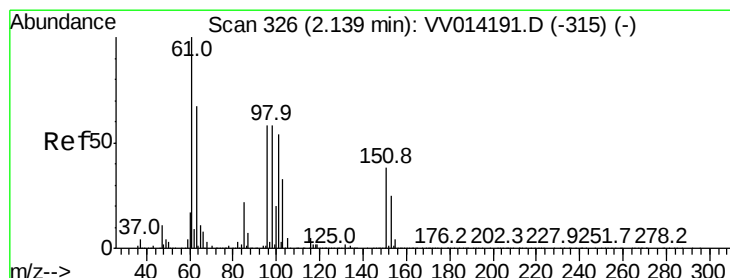
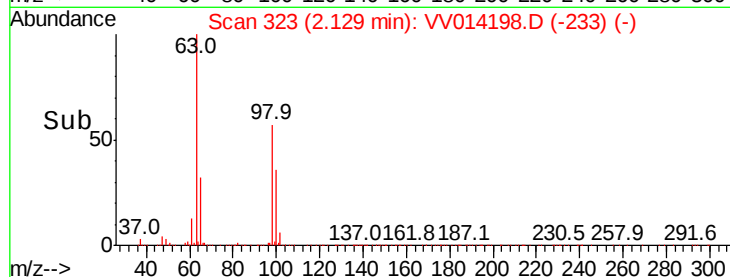
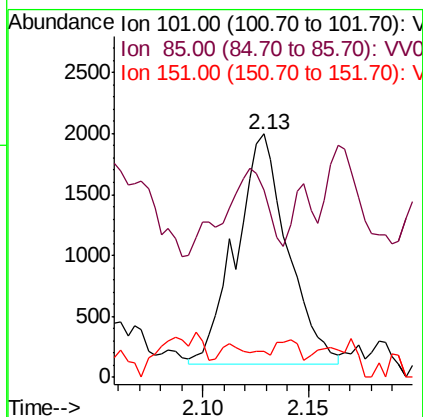
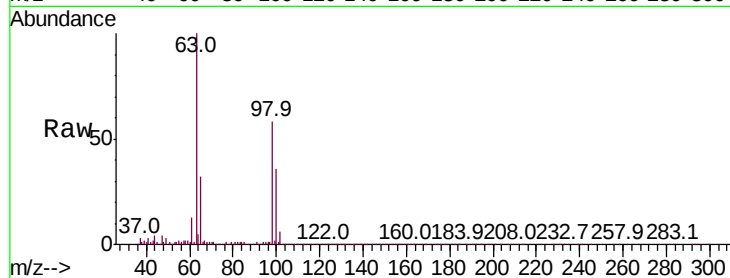
Tot Ion:101 Resp: 3203

Ion Ratio Lower Upper

101 100

85 32.7 34.9 52.3#

151 3.6 62.5 93.7#



#12

1,1-Dichloroethene

Concen: 0.126 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV014198.D

Acq: 27 Dec 2019 18:19

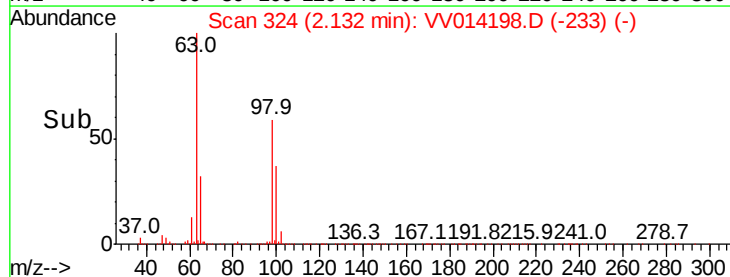
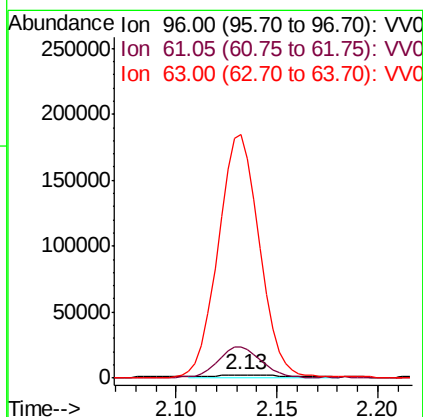
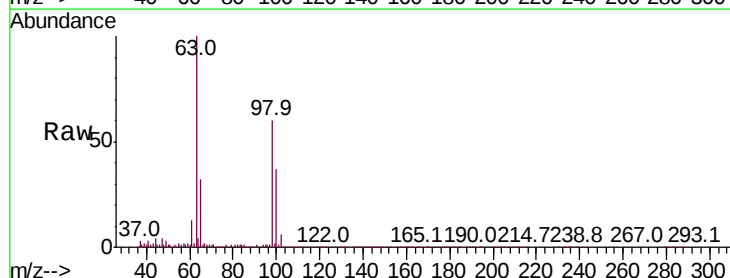
Tgt Ion: 96 Resp: 4415

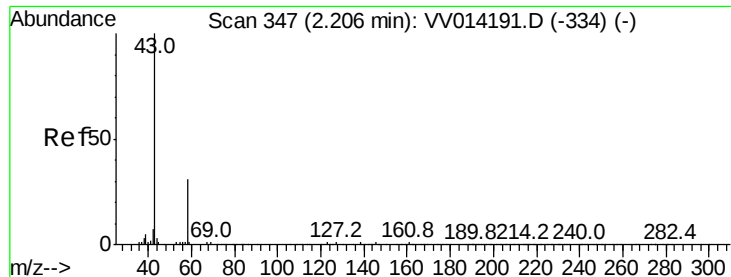
Ion Ratio Lower Upper

96 100

61 885.2 121.5 225.7#

63 6967.8 90.3 167.7#





#13

Acetone

Concen: 7.937 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.02 min

Lab File: VV014198.D

Acq: 27 Dec 2019 18:19

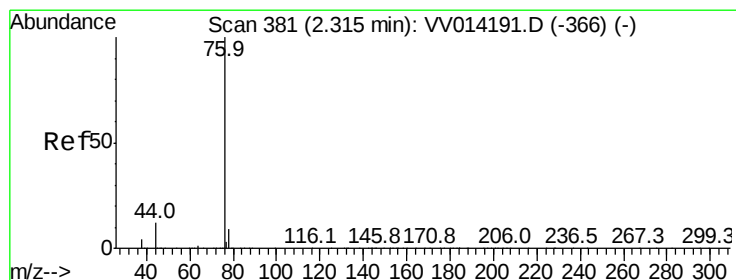
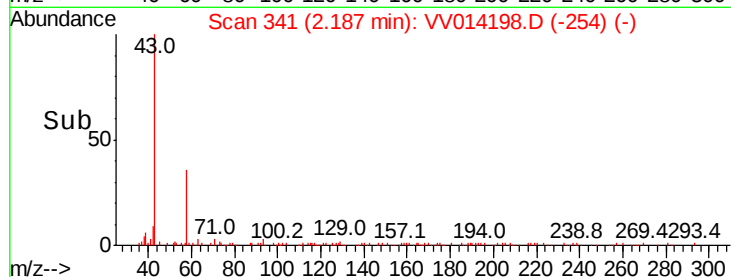
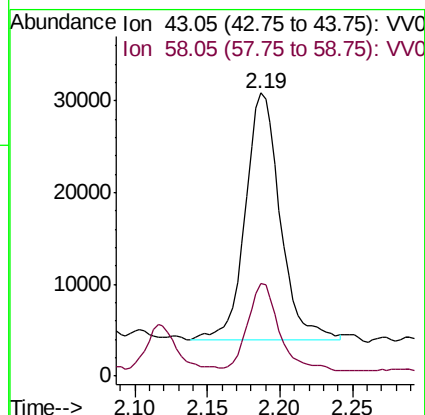
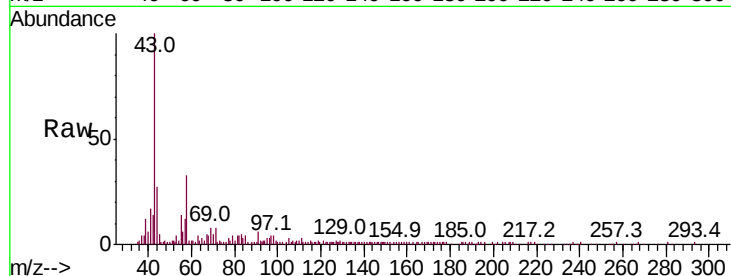
Instrument :
MSVOA_V
ClientSampleId :
BF6X1

Tot Ion: 43 Resp: 45140

Ion Ratio Lower Upper

43 100

58 32.1 0.0 66.0



#14

Carbon disulfide

Concen: 1.037 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VV014198.D

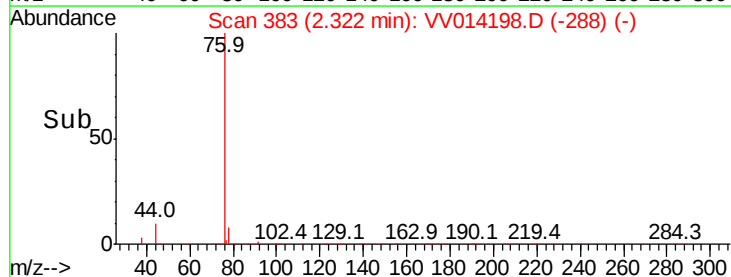
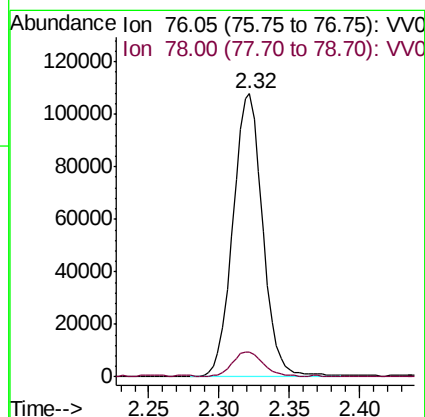
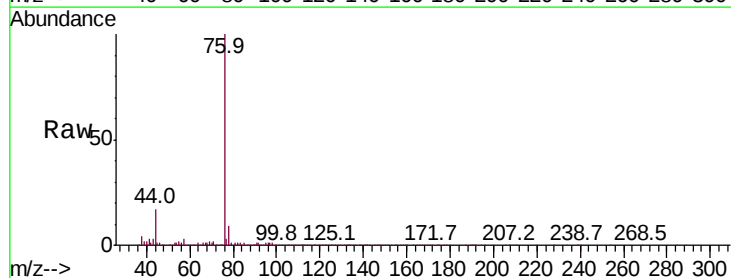
Acq: 27 Dec 2019 18:19

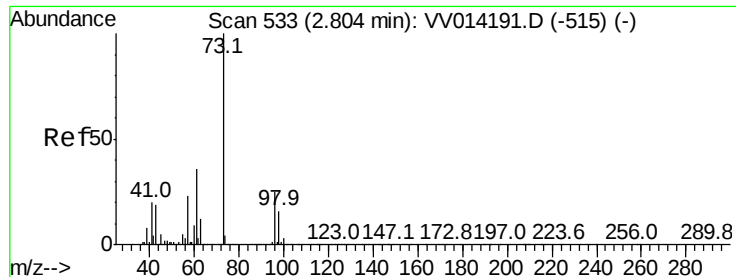
Tgt Ion: 76 Resp: 158863

Ion Ratio Lower Upper

76 100

78 8.7 7.5 11.3

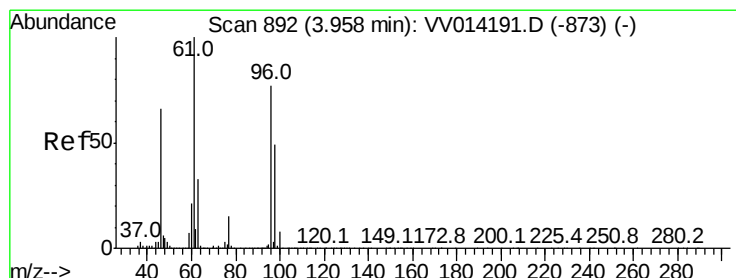
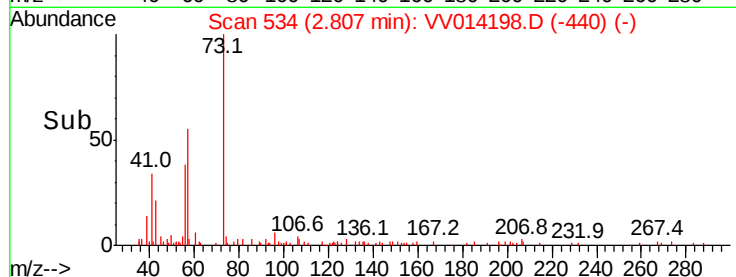
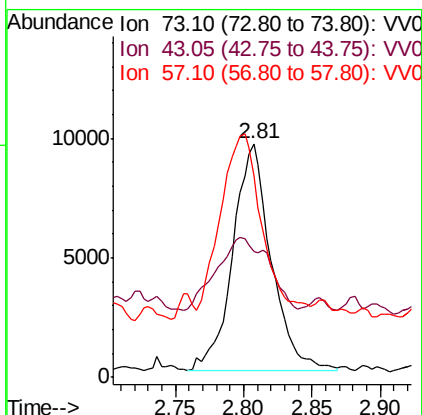
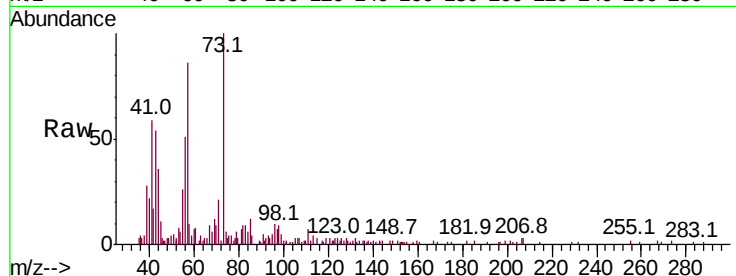




#17
Methvl tert-butvl Ether
Concen: 0.143 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV014198.D
Acq: 27 Dec 2019 18:19

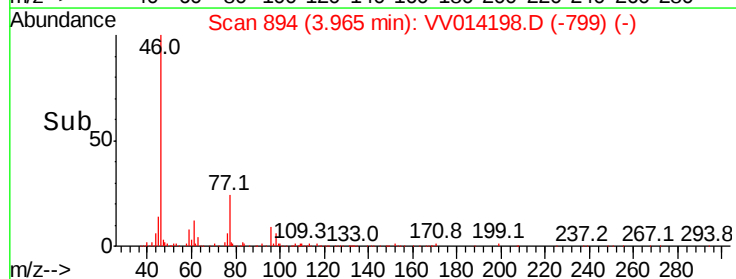
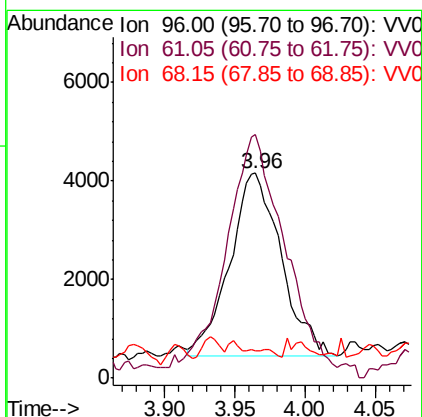
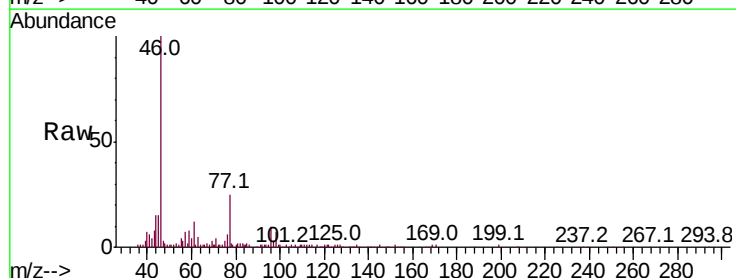
Instrument :
MSVOA_V
ClientSampled :
BF6X1

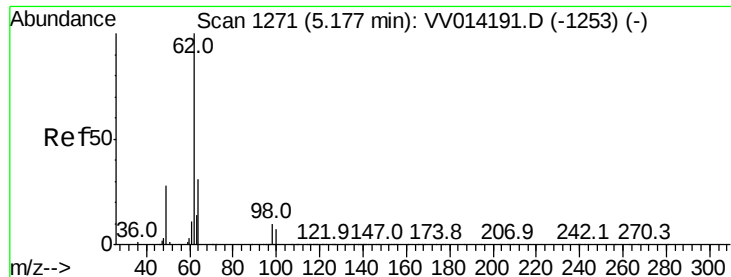
Tot Ion: 73 Resp: 18582
Ion Ratio Lower Upper
73 100
43 43.4 14.7 22.1#
57 84.1 17.9 26.9#



#22
cis-1,2-Dichloroethene
Concen: 0.160 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.01 min
Lab File: VV014198.D
Acq: 27 Dec 2019 18:19

Tgt Ion: 96 Resp: 9518
Ion Ratio Lower Upper
96 100
61 118.7 90.6 168.3
68 13.1 0.3 0.7#





#27

1,2-Dichloroethane

Concen: 0.054 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VV014198.D

Acq: 27 Dec 2019 18:19

Instrument :

MSVOA_V

ClientSampleId :

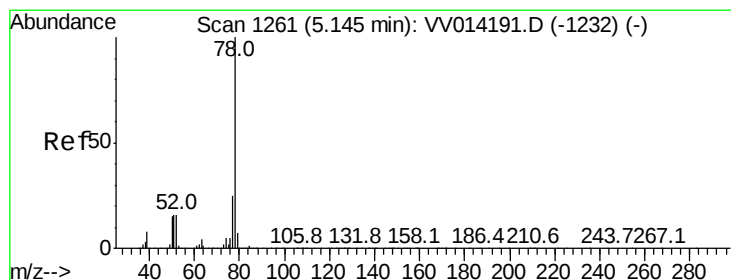
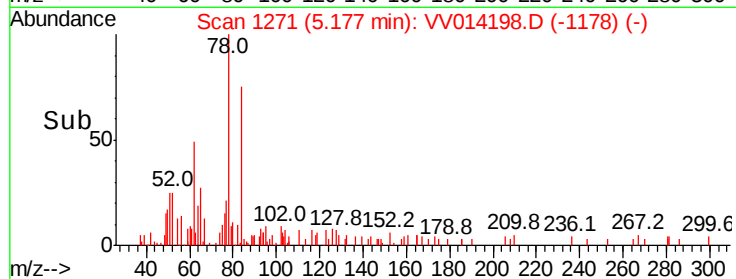
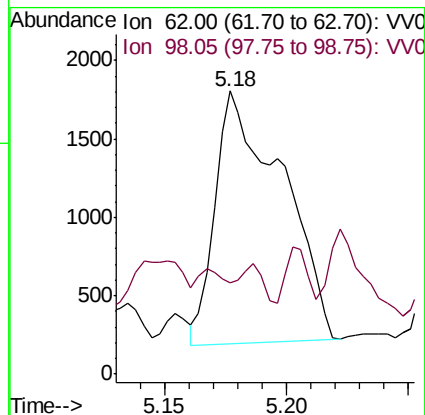
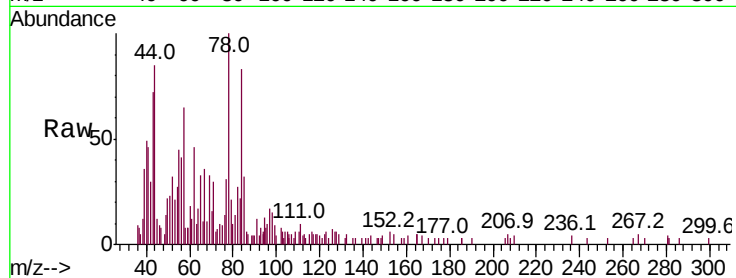
BF6X1

Tot Ion: 62 Resp: 3095

Ion Ratio Lower Upper

62 100

98 32.3 9.2 13.8#



#33

Benzene

Concen: 0.132 ug/L

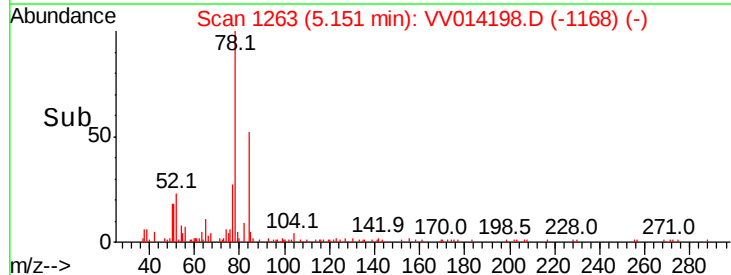
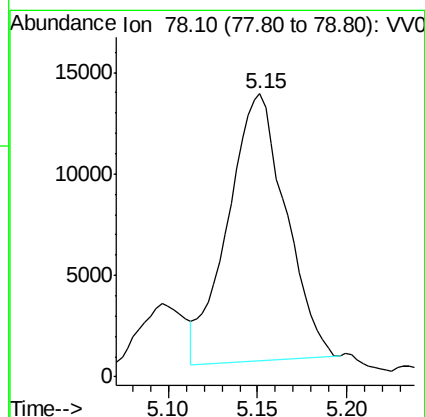
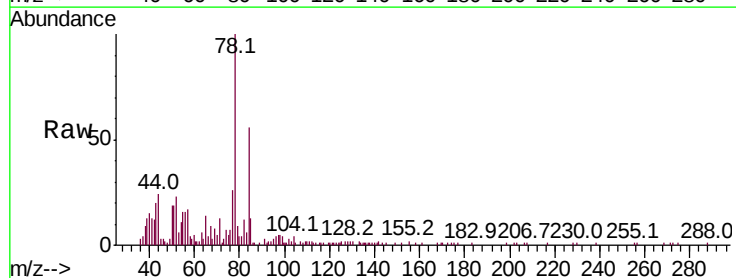
RT: 5.15 min Scan# 1263

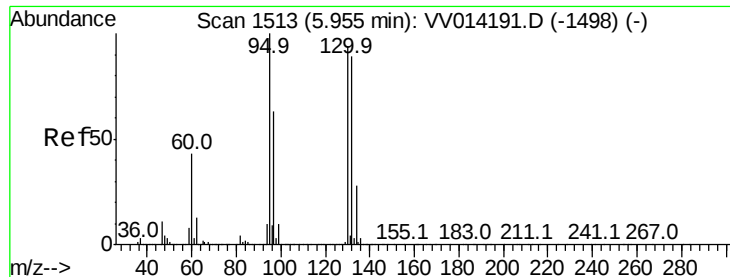
Delta R.T. 0.01 min

Lab File: VV014198.D

Acq: 27 Dec 2019 18:19

Tgt Ion: 78 Resp: 29789





#34

Trichloroethene

Concen: 0.755 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014198.D

Acq: 27 Dec 2019 18:19

Instrument :

MSVOA_V

ClientSampleId :

BF6X1

Tot Ion: 95 Resp: 45638

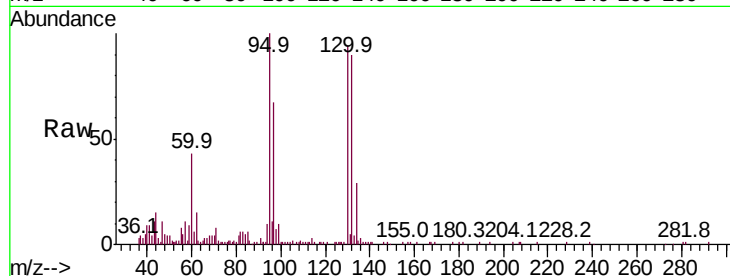
Ion Ratio Lower Upper

95 100

97 66.9 43.8 81.3

132 90.1 63.4 117.8

130 93.5 65.7 122.1

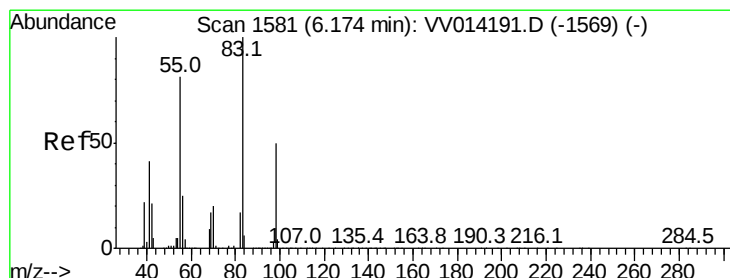
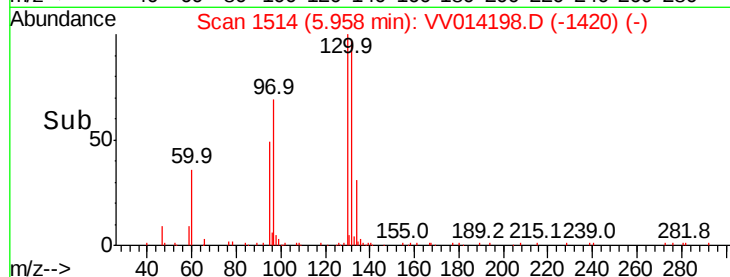
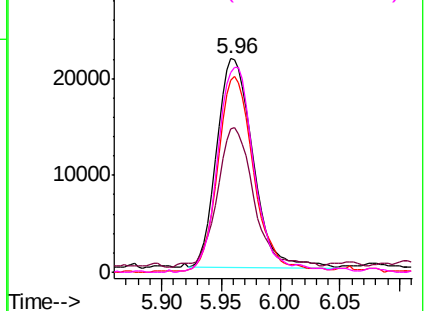


Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Methylcyclohexane

Concen: 0.100 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV014198.D

Acq: 27 Dec 2019 18:19

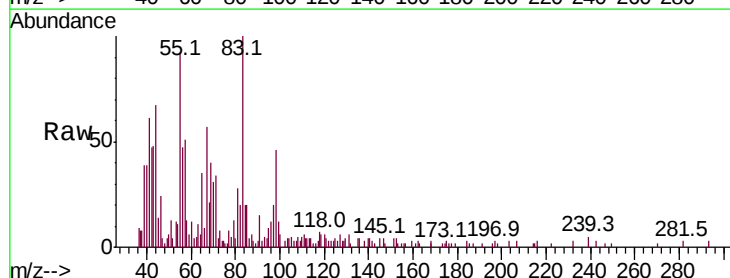
Tgt Ion: 83 Resp: 10092

Ion Ratio Lower Upper

83 100

55 83.5 61.7 92.5

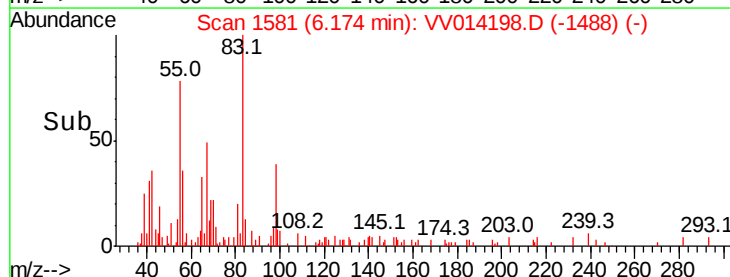
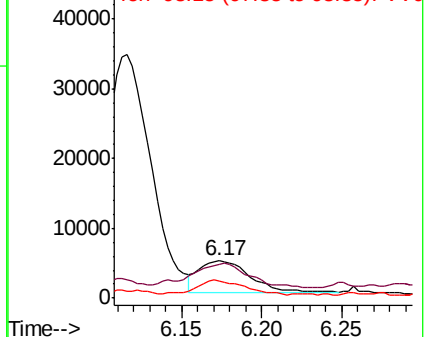
98 41.2 38.1 57.1

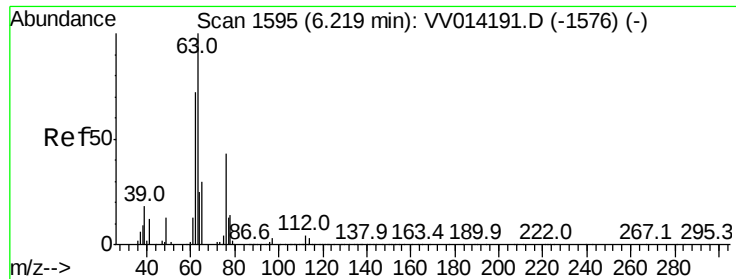


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.133 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

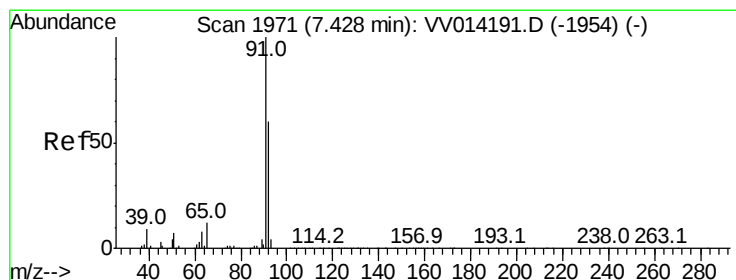
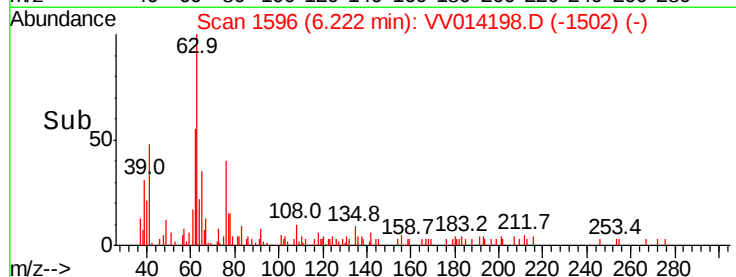
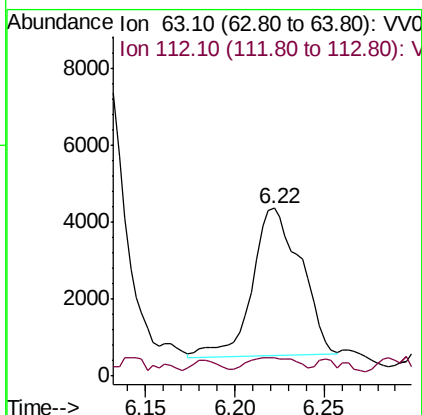
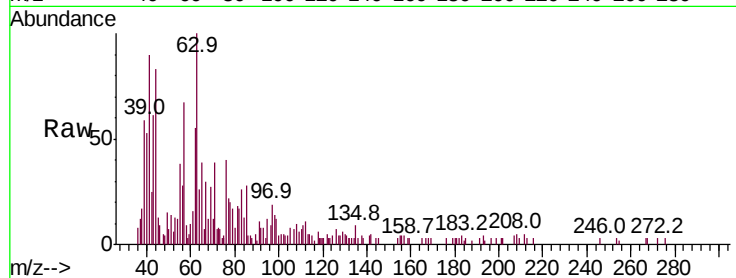
Lab File: VV014198.D

Acq: 27 Dec 2019 18:19

Instrument :
MSVOA_V
ClientSampleId :
BF6X1

Tot Ion: 63 Resp: 7319

Ion	Ratio	Lower	Upper
63	100		
112	7.6	3.7	5.5#



#42

Toluene

Concen: 0.281 ug/L

RT: 7.43 min Scan# 1972

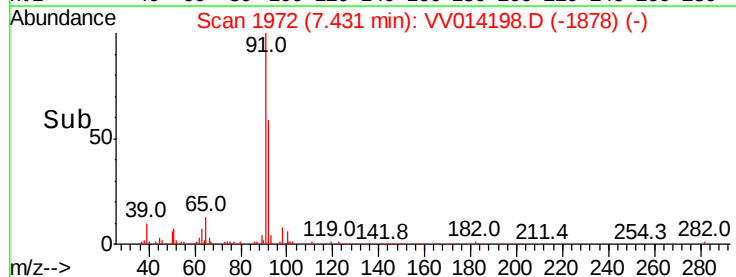
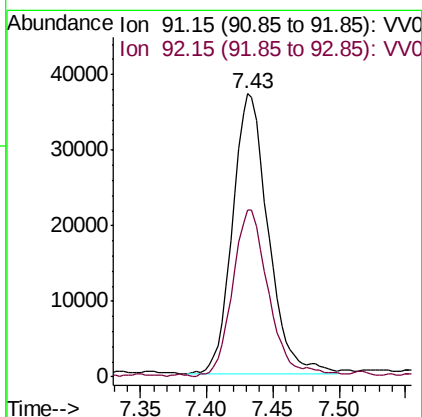
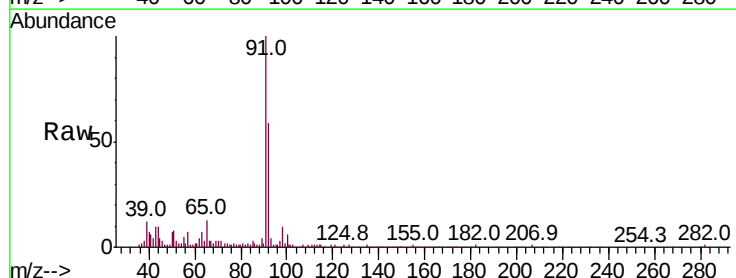
Delta R.T. 0.00 min

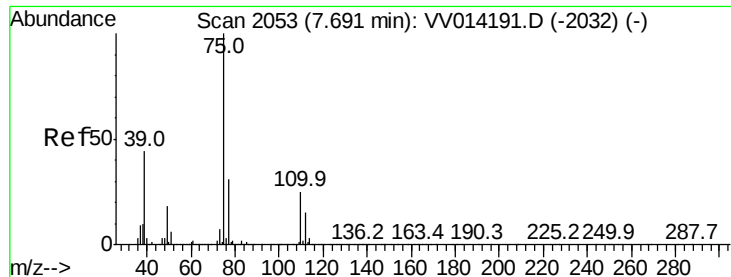
Lab File: VV014198.D

Acq: 27 Dec 2019 18:19

Tgt Ion: 91 Resp: 69696

Ion	Ratio	Lower	Upper
91	100		
92	59.0	41.2	76.6





#44

trans-1,3-Dichloropropene

Concen: 0.067 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV014198.D

Acq: 27 Dec 2019 18:19

Instrument :

MSVOA_V

ClientSampleId :

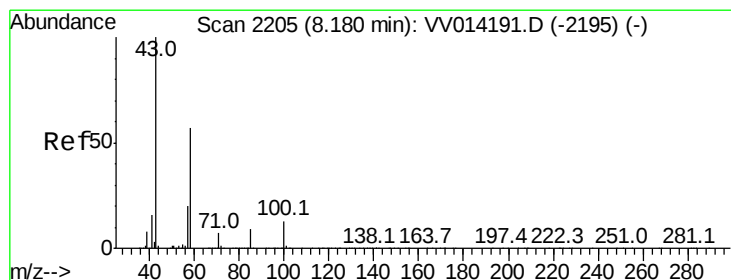
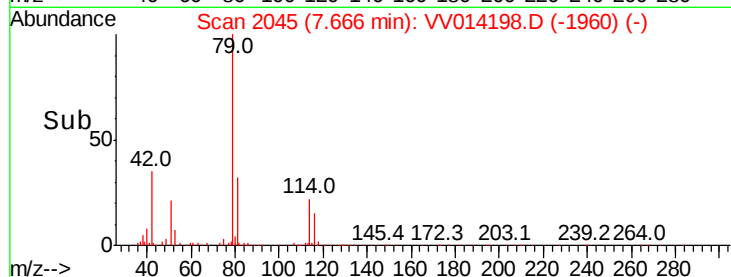
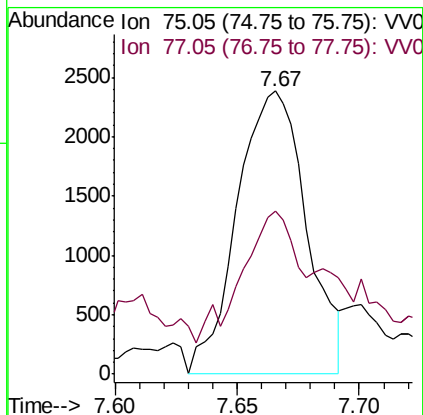
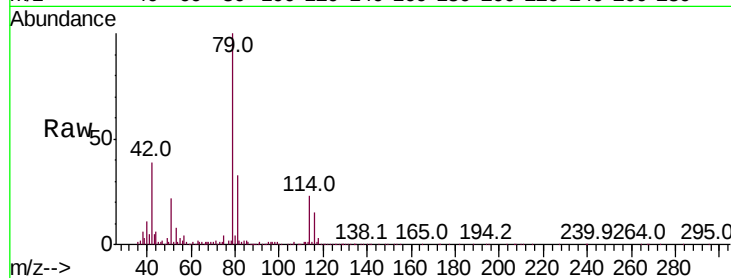
BF6X1

Tot Ion: 75 Resp: 4704

Ion Ratio Lower Upper

75 100

77 57.6 22.0 41.0#



#48

2-Hexanone

Concen: 2.373 ug/L

RT: 8.13 min Scan# 2190

Delta R.T. -0.05 min

Lab File: VV014198.D

Acq: 27 Dec 2019 18:19

Tgt Ion: 43 Resp: 55975

Ion Ratio Lower Upper

43 100

58 42.6 45.4 68.0#

57 21.1 15.8 23.8

100 0.1 10.2 15.4#

