

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 17:22:32 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

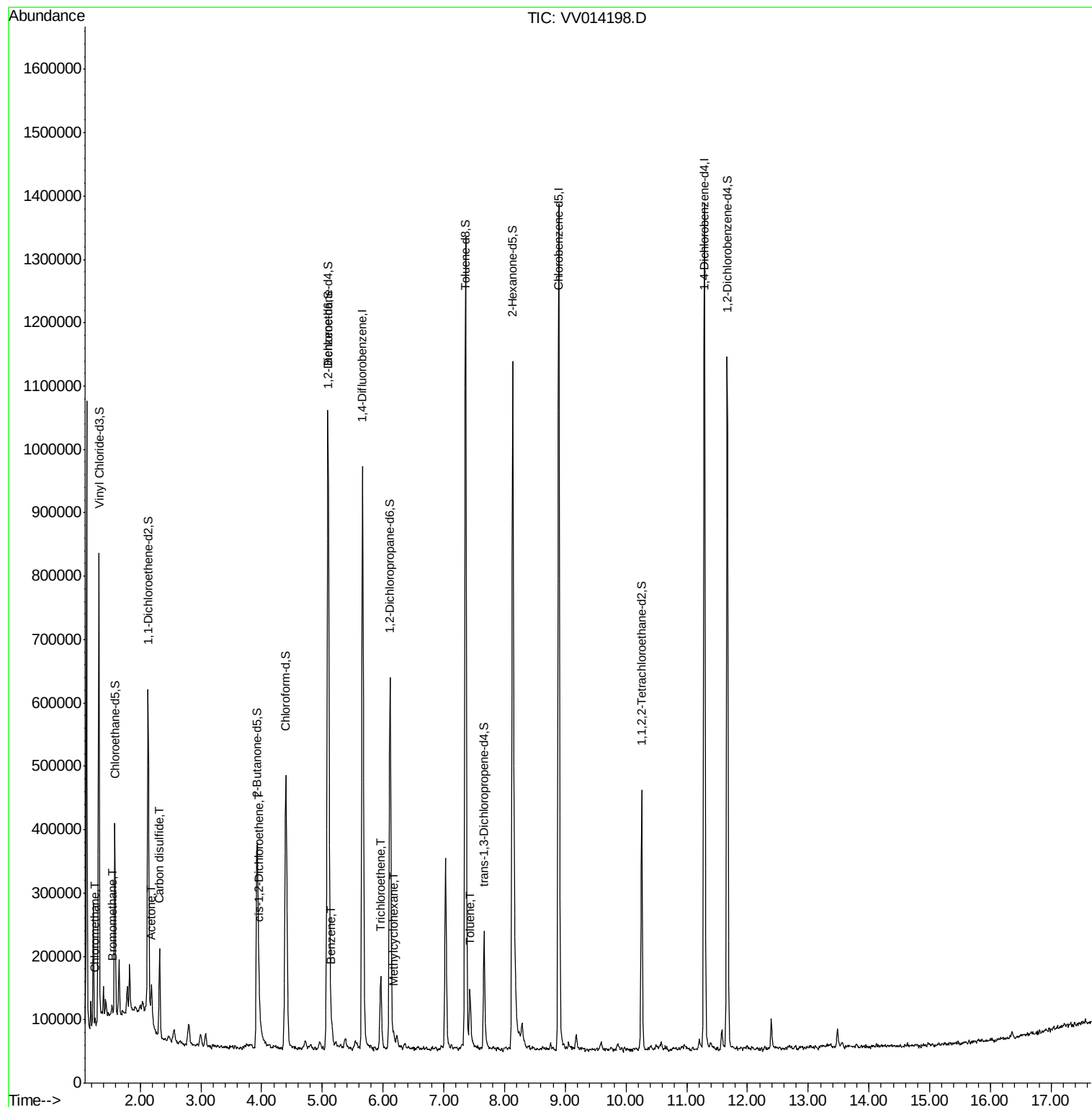
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	10096	0.185	ug/L	97
6) Bromomethane	1.54	94	6432	0.269	ug/L	87
13) Acetone	2.19	43	45140	7.937	ug/L	98
14) Carbon disulfide	2.32	76	158863	1.037	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	9518	0.160	ug/L #	91
33) Benzene	5.15	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
42) Toluene	7.43	91	69696	0.281	ug/L	100

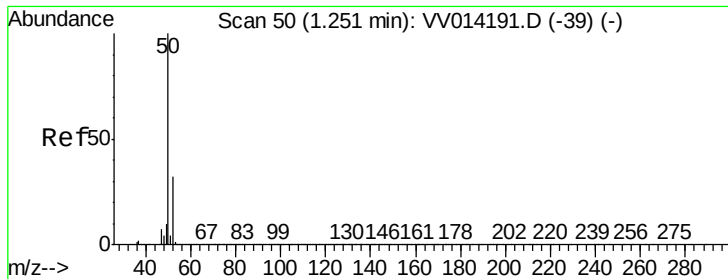
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#3

Chloromethane

Concen: 0.185 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

ClientSampleId :

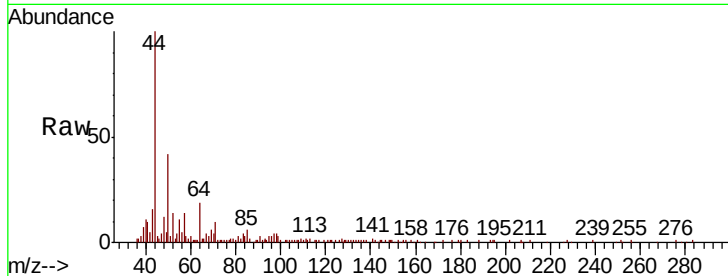
BF6X1

Tot Ion: 50 Resp: 10096

Ion Ratio Lower Upper

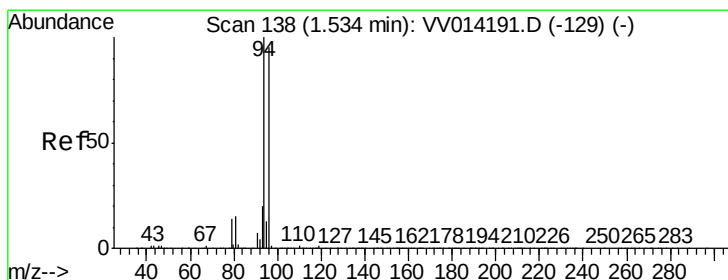
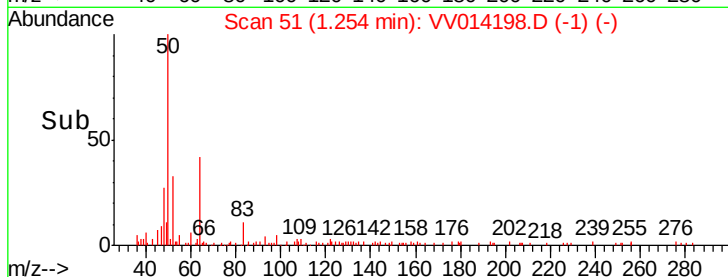
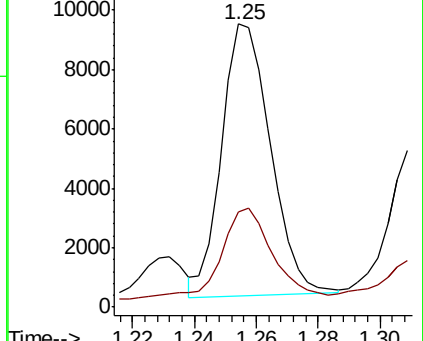
50 100

52 33.6 22.3 41.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#6

Bromomethane

Concen: 0.269 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014198.D

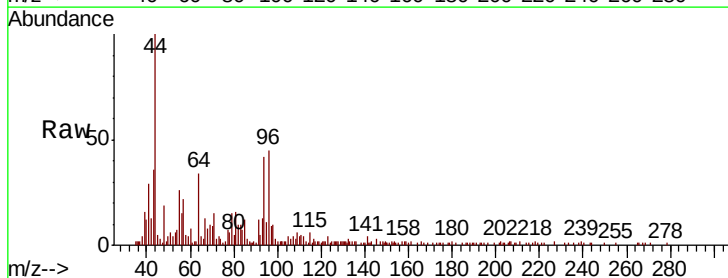
Acq: 27 Dec 2019 18:19

Tgt Ion: 94 Resp: 6432

Ion Ratio Lower Upper

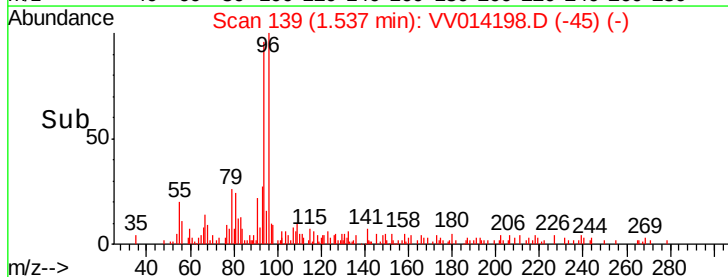
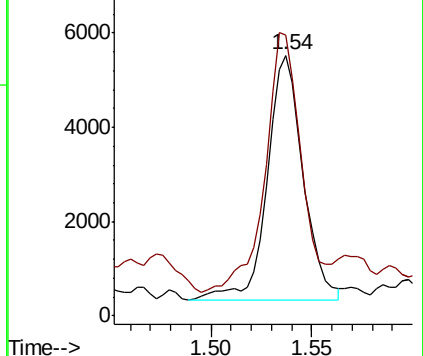
94 100

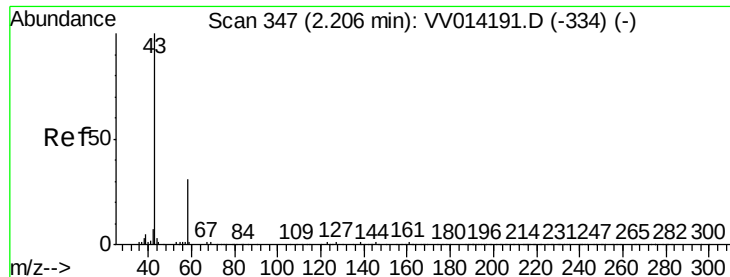
96 107.9 66.9 124.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#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

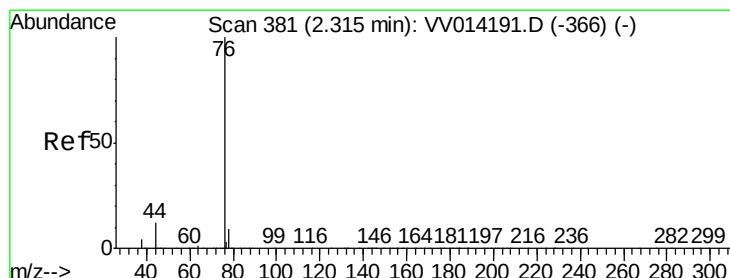
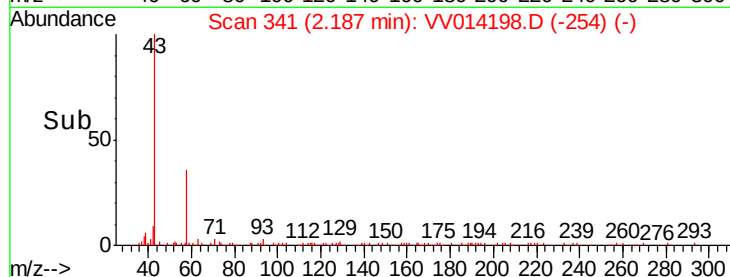
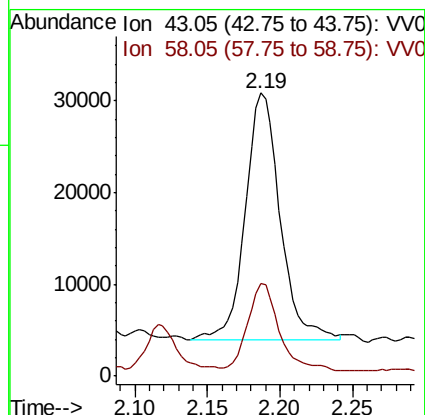
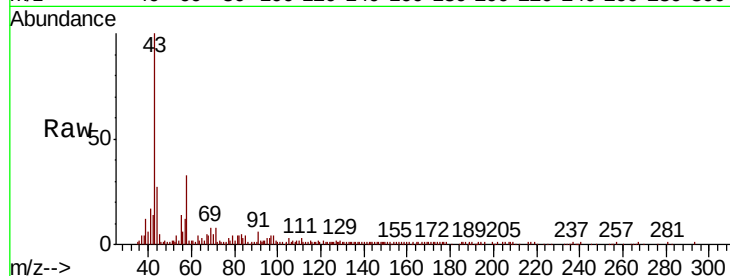
Instrument :
MSVOA_V
ClientSampleId :
BF6X1

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

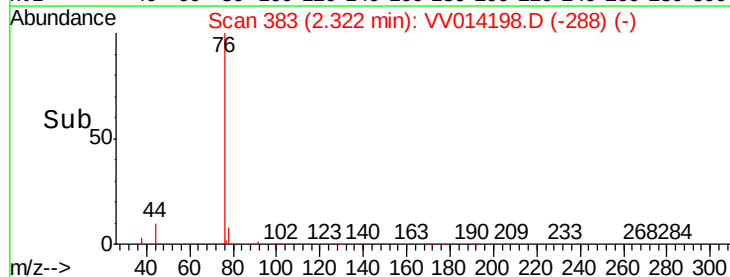
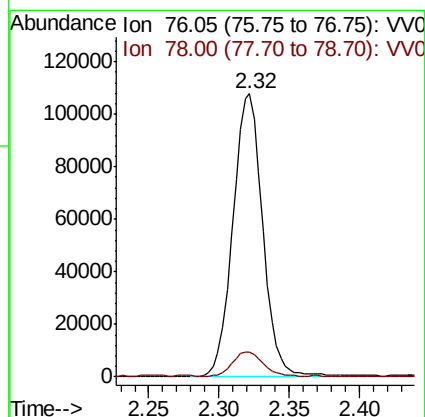
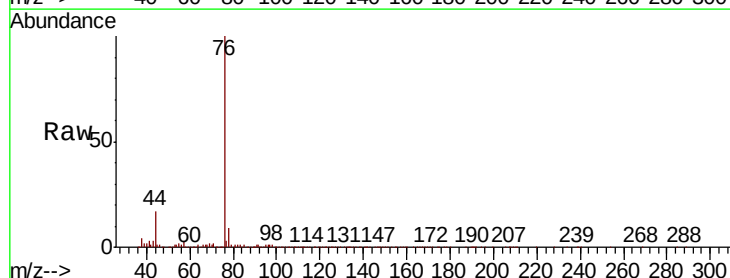
Acq: 27 Dec 2019 18:19

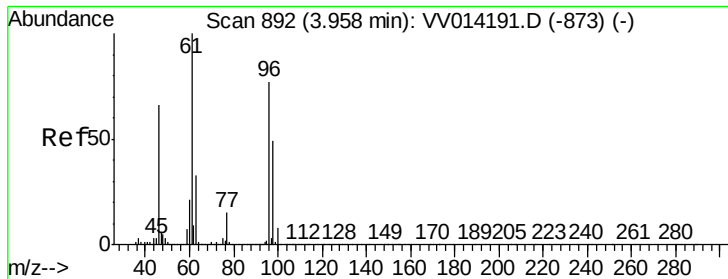
Tgt Ion: 76 Resp: 158863

Ion Ratio Lower Upper

76 100

78 8.7 7.5 11.3



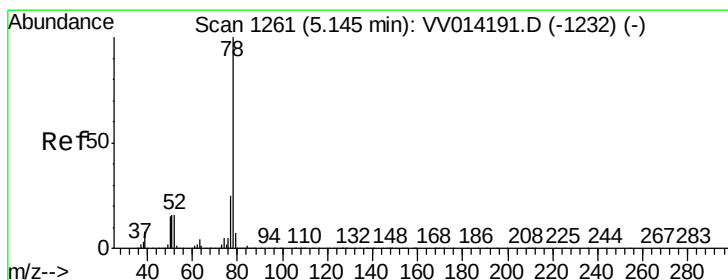
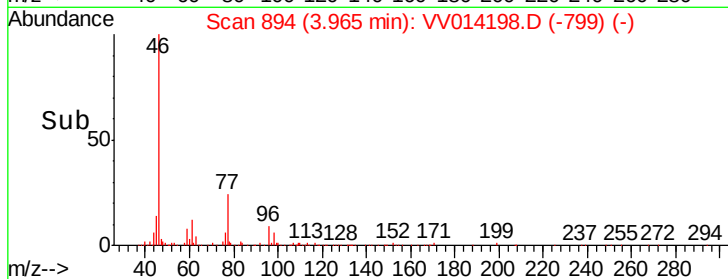
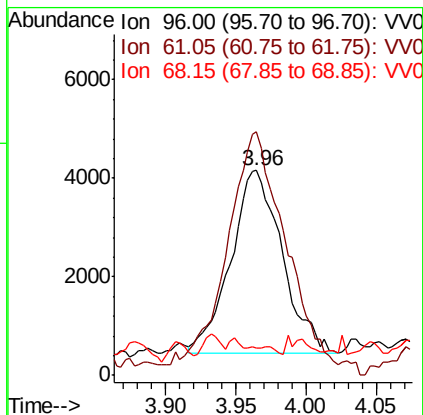
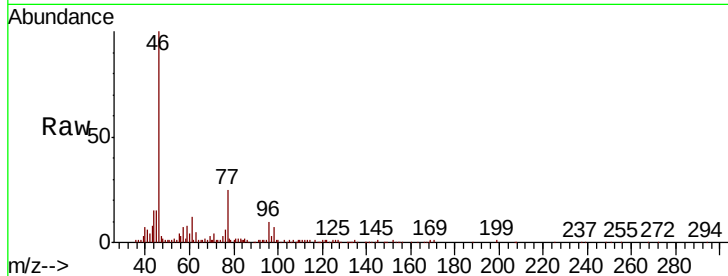


#22

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

Instrument :
 MSVOA_V
 ClientSampleId :
 BF6X1

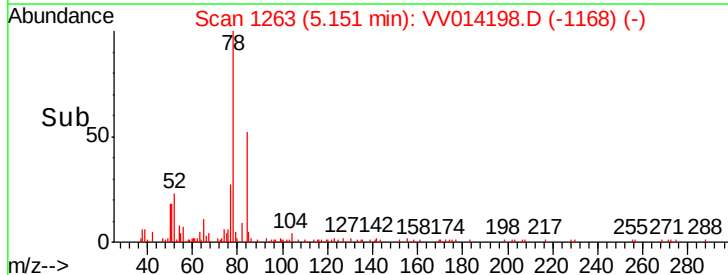
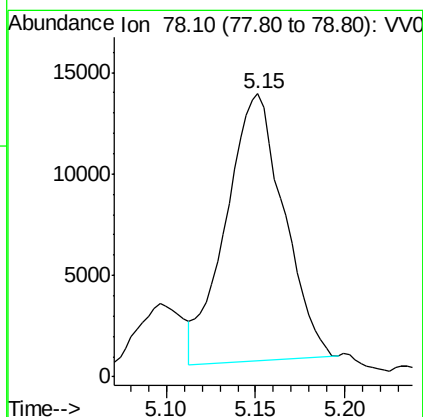
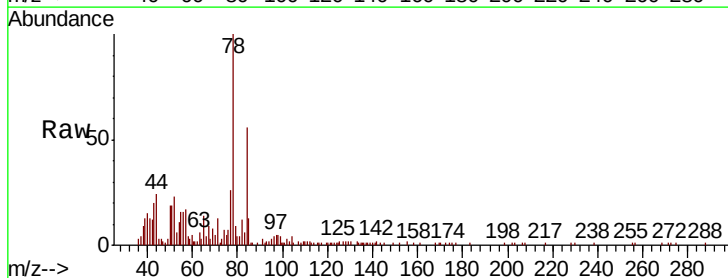
Tot Ion	Ratio	Lower	Upper
96	100		
61	118.7	90.6	168.3
68	13.1	0.3	0.7#

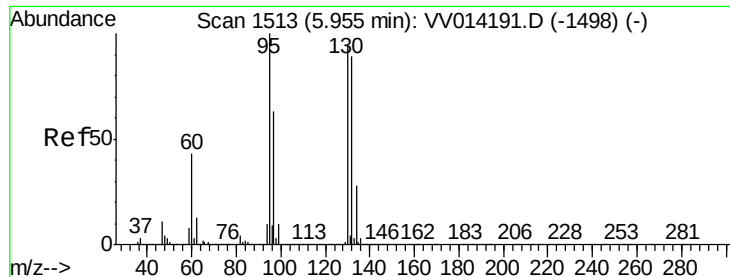


#33

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

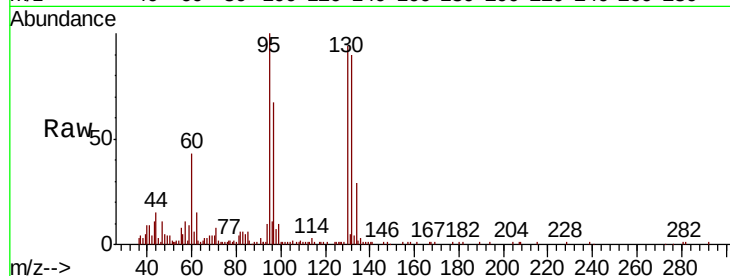
Ion Ratio Lower Upper

95 100

97 66.9 43.8 81.3

132 90.1 63.4 117.8

130 93.5 65.7 122.1

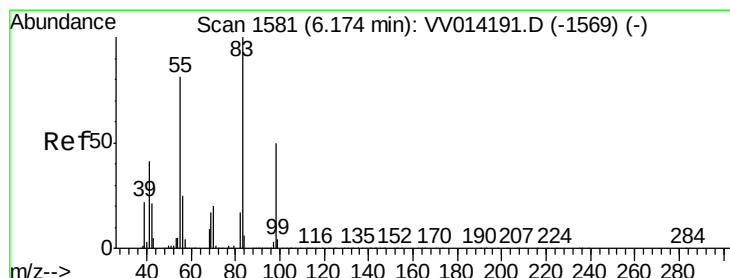
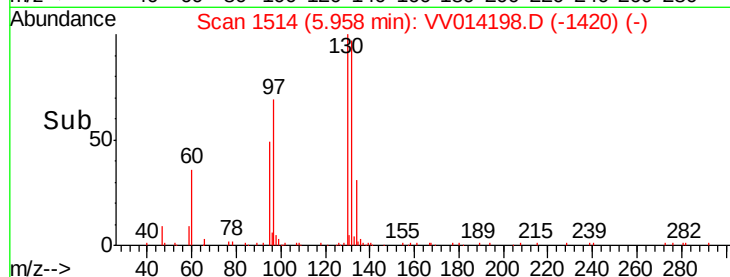
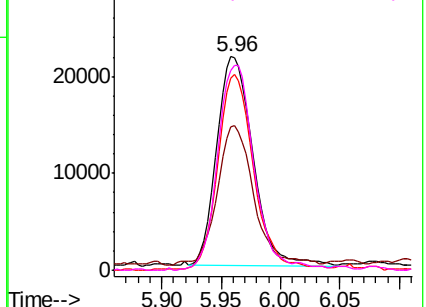


Abundance Ion 95.00 (94.70 to 95.70): VV0

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

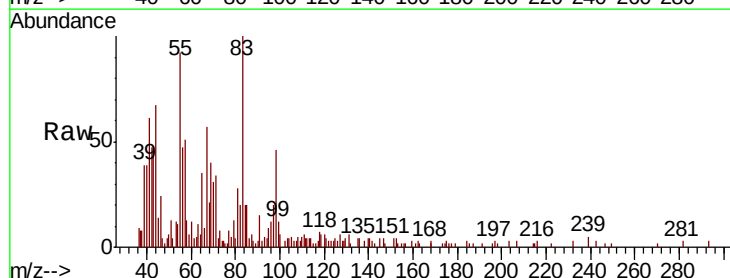
Tgt Ion: 83 Resp: 10092

Ion Ratio Lower Upper

83 100

55 83.5 61.7 92.5

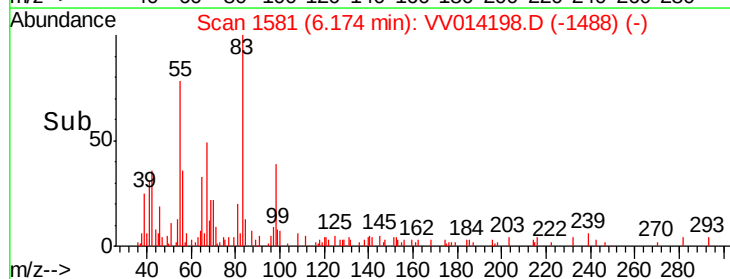
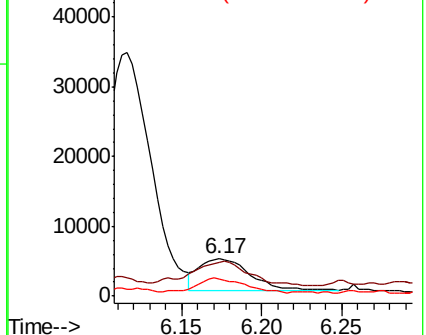
98 41.2 38.1 57.1

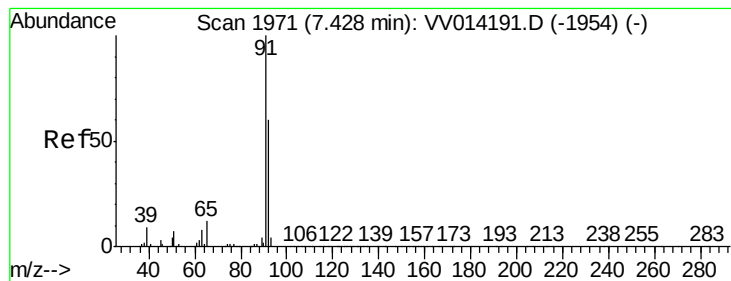


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#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

Instrument :
MSVOA_V
ClientSampleId :
BF6X1

Tot Ion: 91 Resp: 69696

Ion Ratio Lower Upper

91 100

92 59.0 41.2 76.6

