

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122819\
 Data File : VV014213.D
 Acq On : 28 Dec 2019 13:37
 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 30 01:09:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Dec 30 00:30:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	932835	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	856543	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	401752	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	174087	3.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.60%
7) Chloroethane-d5	1.59	69	161439	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	2.13	63	223397	2.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.00%#
20) 2-Butanone-d5	3.92	46	562878	51.87	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.74%
24) Chloroform-d	4.40	84	426756	3.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.00%
26) 1,2-Dichloroethane-d4	5.08	65	218840	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
32) Benzene-d6	5.10	84	904955	3.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.40%
36) 1,2-Dichloropropane-d6	6.12	67	282273	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.80%
41) Toluene-d8	7.36	98	769414	3.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.40%
43) trans-1,3-Dichloropropene-	7.66	79	116457	3.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.60%
46) 2-Hexanone-d5	8.13	63	517749	43.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.16%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	204436	4.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	277946	3.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	77.20%#

Target Compounds

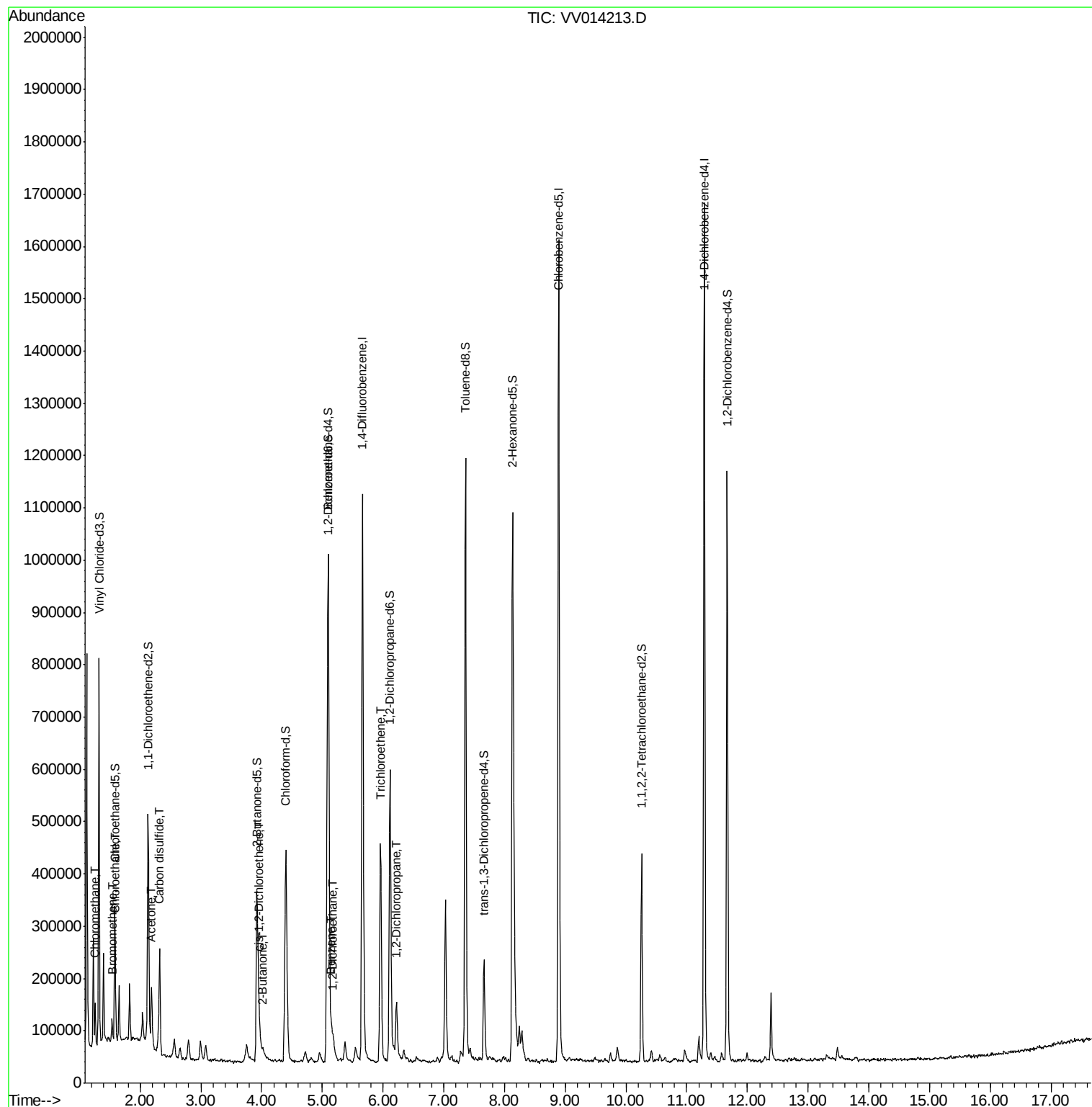
					Ovalue
3) Chloromethane	1.26	50	55631	0.868	ug/L 95
6) Bromomethane	1.54	94	17313	0.614	ug/L 94
8) Chloroethane	1.60	64	10958	0.338	ug/L 87
13) Acetone	2.19	43	94861	14.171	ug/L 99
14) Carbon disulfide	2.32	76	219178	1.215	ug/L 98
21) 2-Butanone	4.03	43	22499	1.810	ug/L 86
22) cis-1,2-Dichloroethene	3.96	96	9001	0.128	ug/L # 97
27) 1,2-Dichloroethane	5.18	62	36276	0.535	ug/L 94
33) Benzene	5.15	78	56118	0.212	ug/L 100
34) Trichloroethene	5.96	95	156141	2.200	ug/L 99
37) 1,2-Dichloropropane	6.23	63	46759	0.727	ug/L # 95

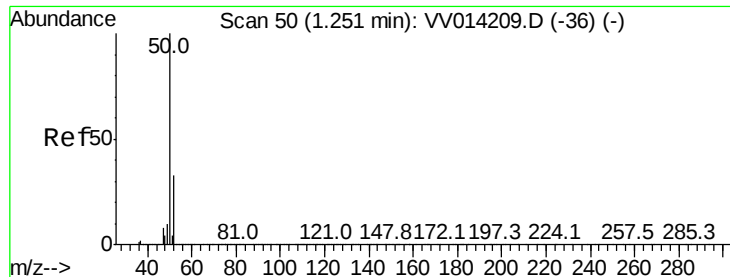
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 30 00:30:20 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.868 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.01 min

Lab File: VV014213.D

Acq: 28 Dec 2019 13:37

Instrument :

MSVOA_V

ClientSampleId :

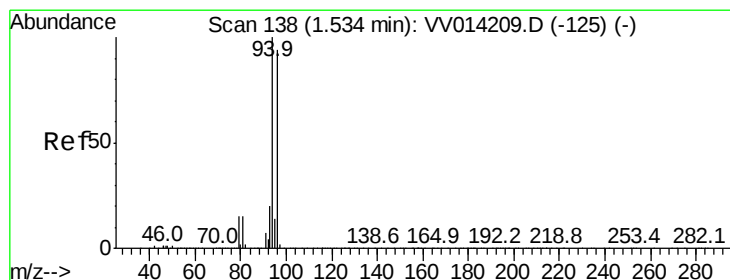
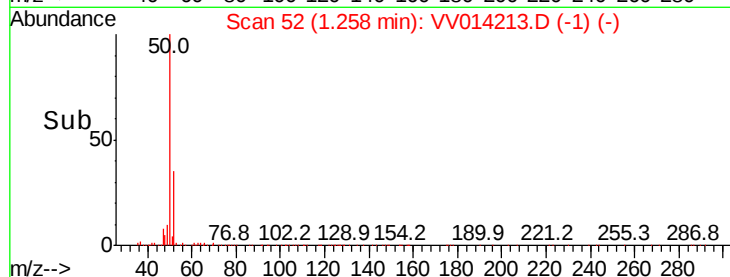
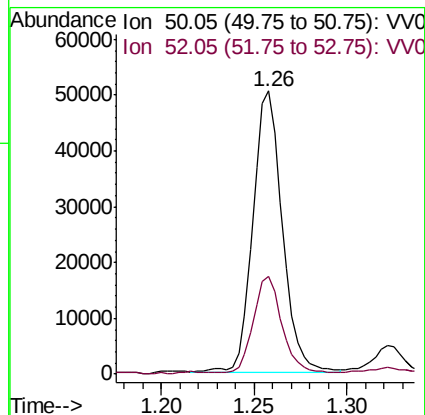
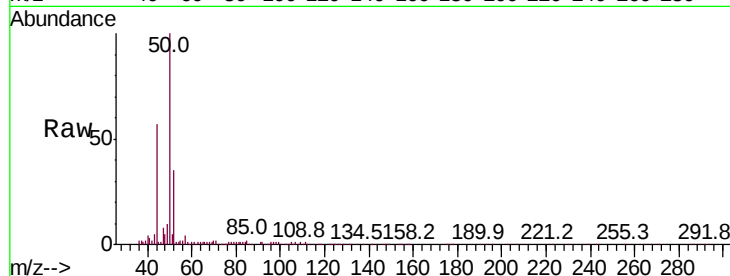
BF6X4

Tot Ion: 50 Resp: 55631

Ion Ratio Lower Upper

50 100

52 34.5 22.3 41.3



#6

Bromomethane

Concen: 0.614 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014213.D

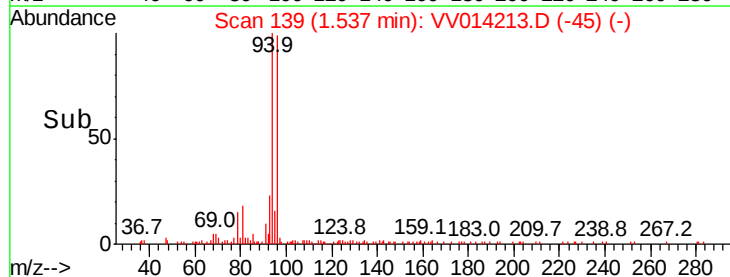
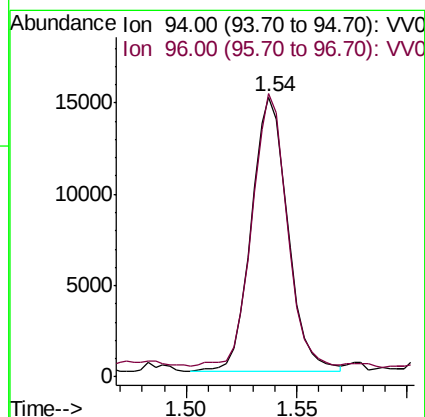
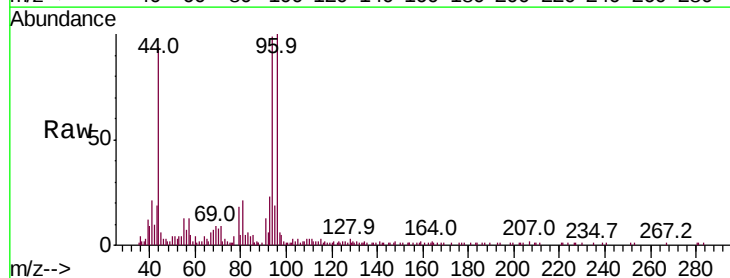
Acq: 28 Dec 2019 13:37

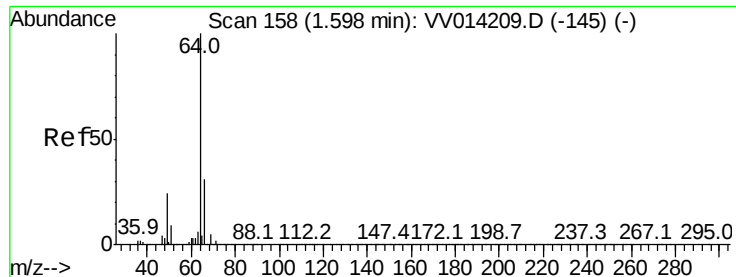
Tgt Ion: 94 Resp: 17313

Ion Ratio Lower Upper

94 100

96 101.1 66.9 124.3





#8

Chloroethane

Concen: 0.338 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014213.D

Acq: 28 Dec 2019 13:37

Instrument :

MSVOA_V

ClientSampleId :

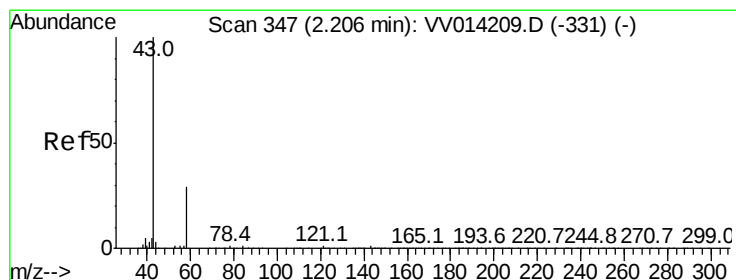
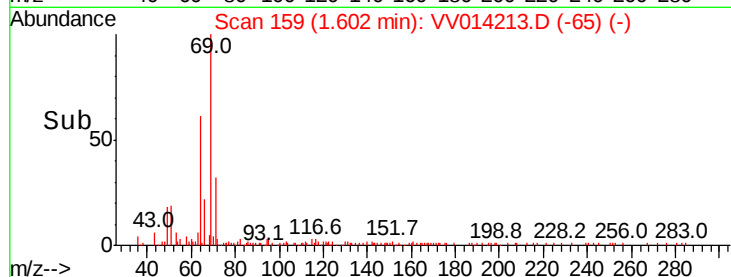
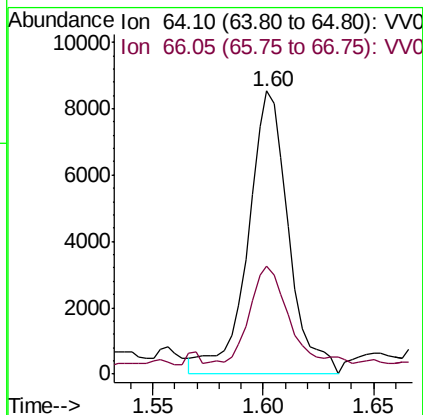
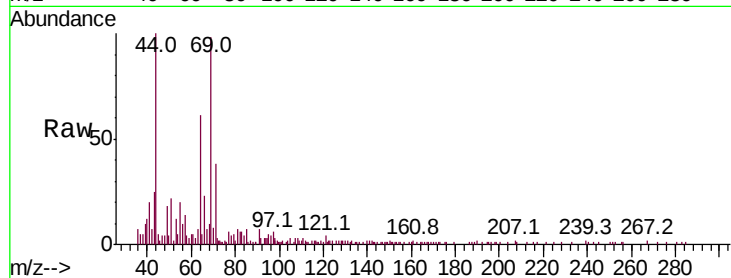
BF6X4

Tot Ion: 64 Resp: 10958

Ion Ratio Lower Upper

64 100

66 38.2 21.8 40.6



#13

Acetone

Concen: 14.171 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.02 min

Lab File: VV014213.D

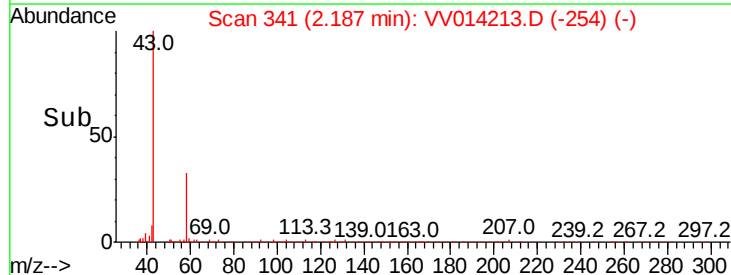
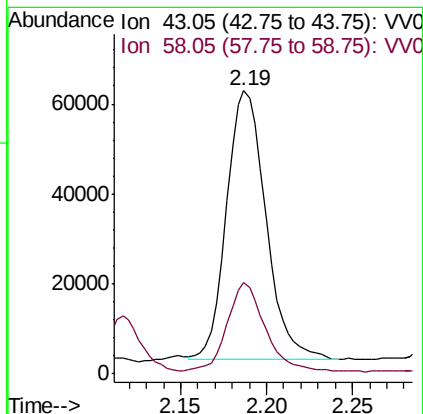
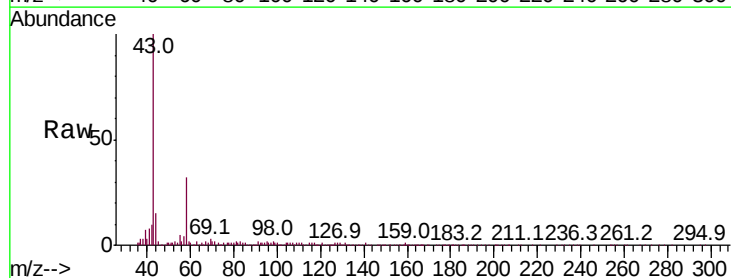
Acq: 28 Dec 2019 13:37

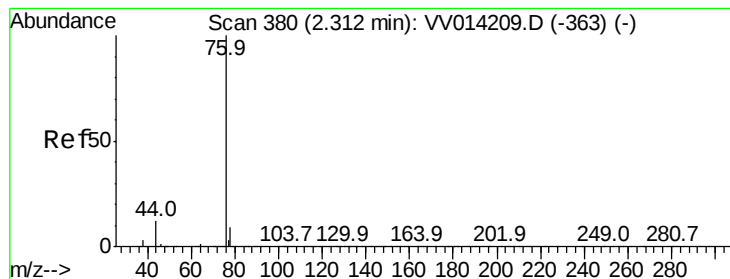
Tgt Ion: 43 Resp: 94861

Ion Ratio Lower Upper

43 100

58 32.3 0.0 66.0





#14

Carbon disulfide

Concen: 1.215 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VV014213.D

Acq: 28 Dec 2019 13:37

Instrument :

MSVOA_V

ClientSampleId :

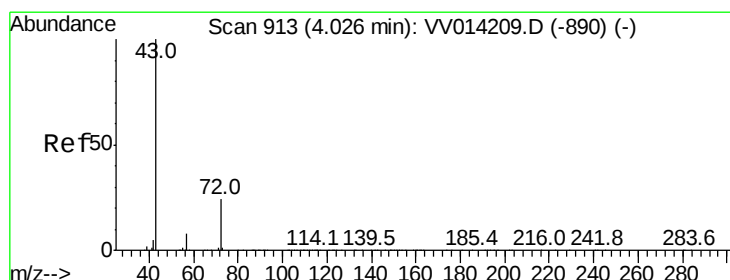
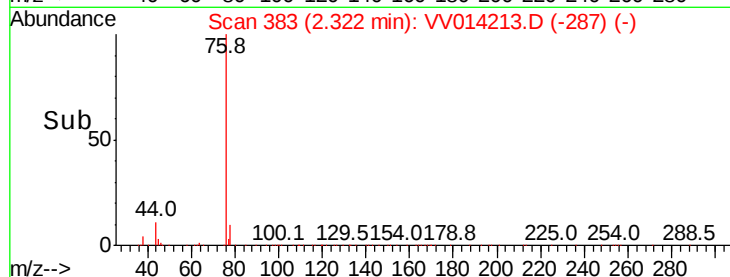
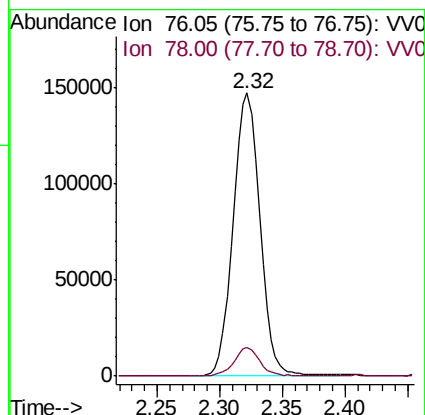
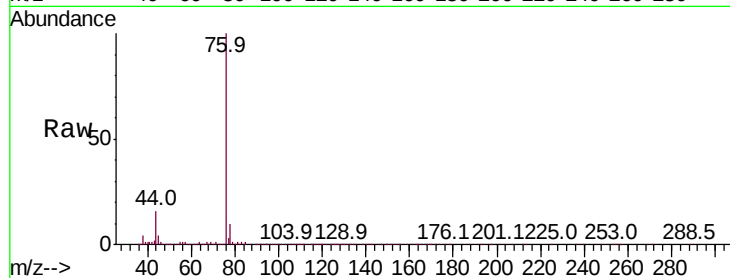
BF6X4

Tot Ion: 76 Resp: 219178

Ion Ratio Lower Upper

76 100

78 10.2 7.5 11.3



#21

2-Butanone

Concen: 1.810 ug/L

RT: 4.03 min Scan# 915

Delta R.T. 0.01 min

Lab File: VV014213.D

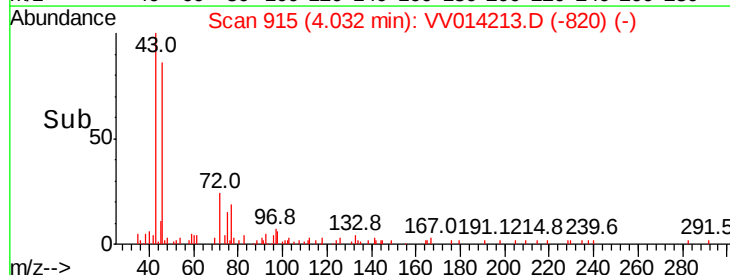
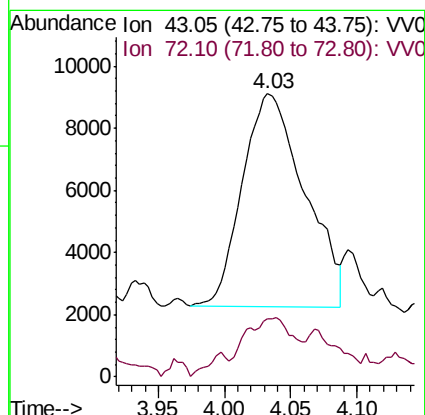
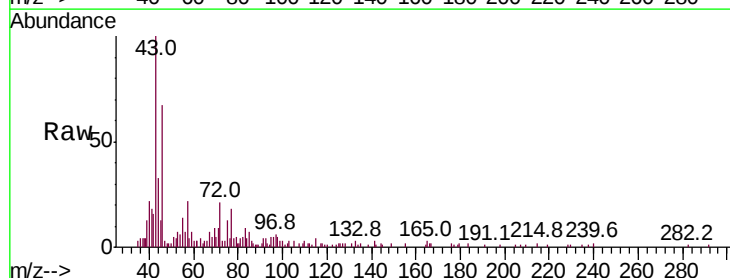
Acq: 28 Dec 2019 13:37

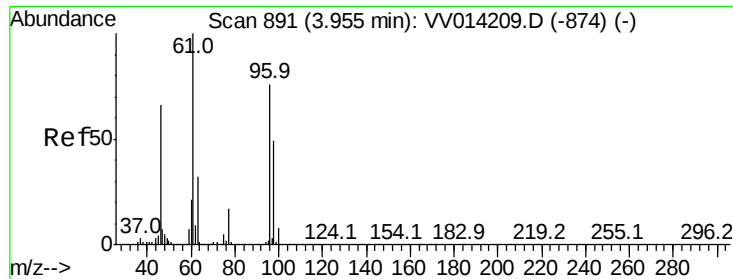
Tgt Ion: 43 Resp: 22499

Ion Ratio Lower Upper

43 100

72 17.8 12.4 37.2



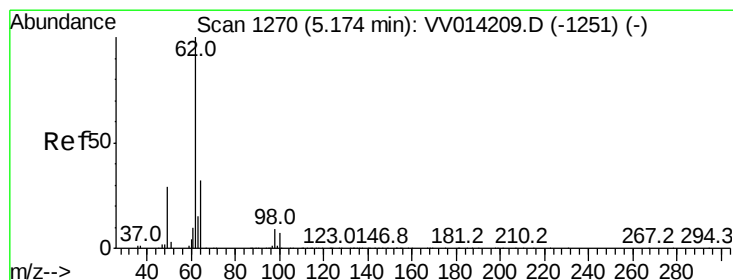
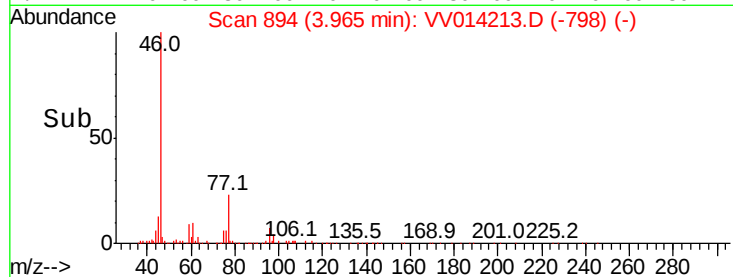
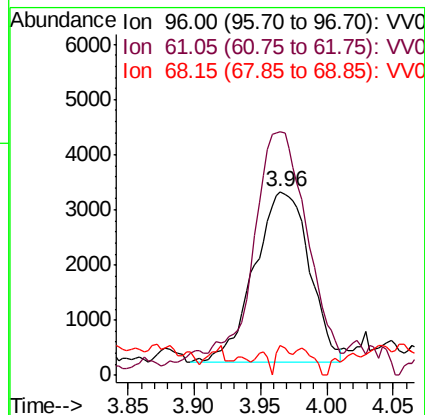
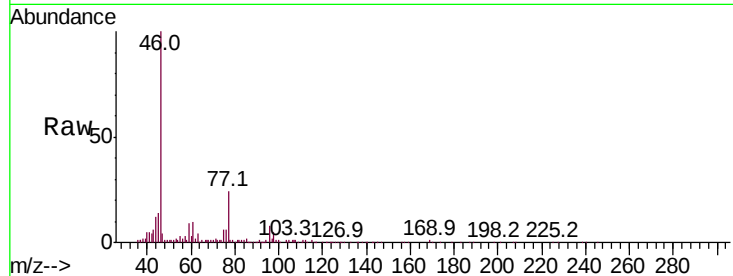


#22

cis-1,2-Dichloroethene
 Concen: 0.128 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV014213.D
 Acq: 28 Dec 2019 13:37

Instrument :
 MSVOA_V
 ClientSampleId :
 BF6X4

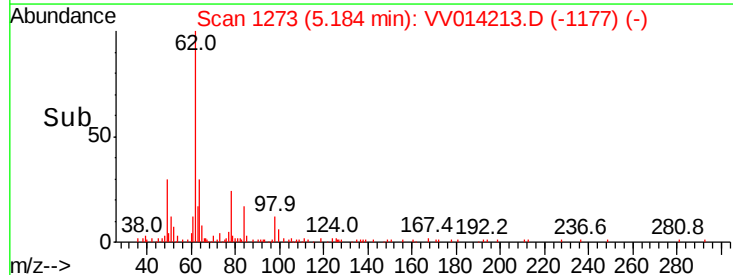
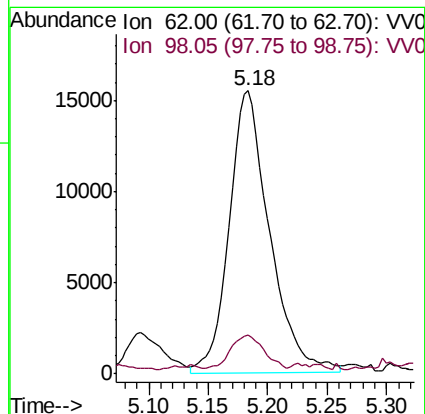
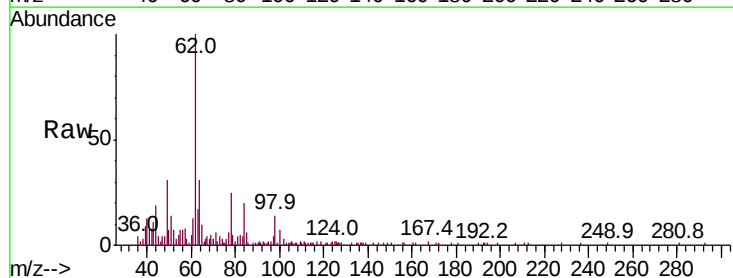
Tot Ion: 96 Resp: 9001
 Ion Ratio Lower Upper
 96 100
 61 132.3 90.6 168.3
 68 16.1 0.3 0.7#

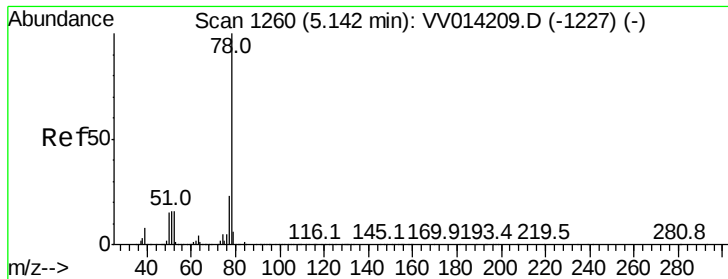


#27

1,2-Dichloroethane
 Concen: 0.535 ug/L
 RT: 5.18 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VV014213.D
 Acq: 28 Dec 2019 13:37

Tgt Ion: 62 Resp: 36276
 Ion Ratio Lower Upper
 62 100
 98 13.6 9.2 13.8





#33

Benzene

Concen: 0.212 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VV014213.D

Acq: 28 Dec 2019 13:37

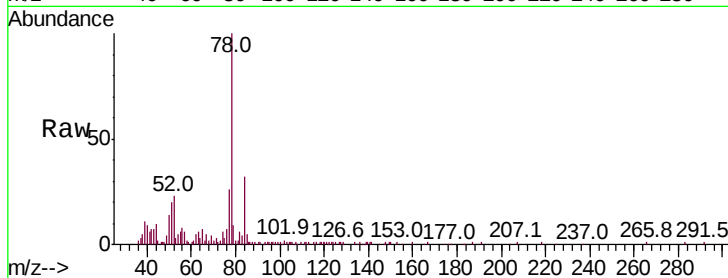
Instrument :

MSVOA_V

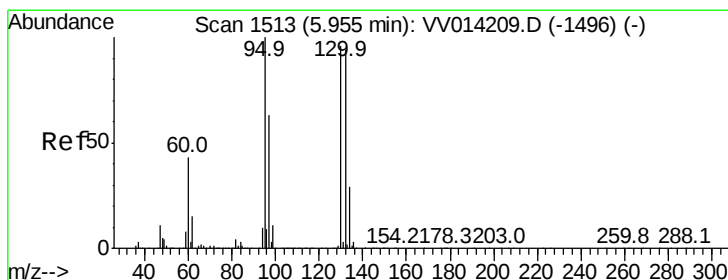
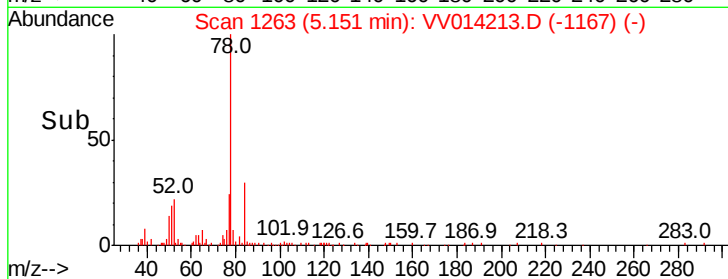
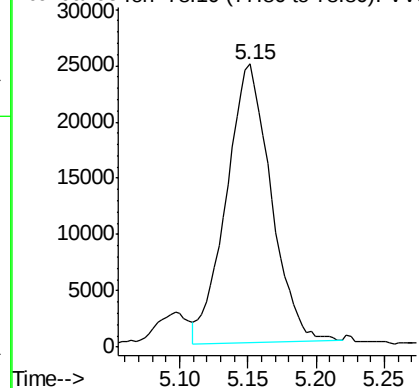
ClientSampleId :

BF6X4

Tgt Ion: 78 Resp: 56118



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 2.200 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014213.D

Acq: 28 Dec 2019 13:37

Tgt Ion: 95 Resp: 156141

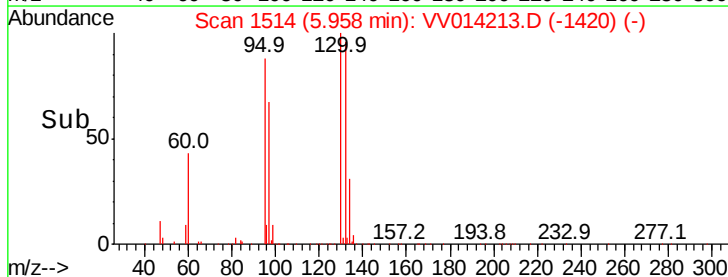
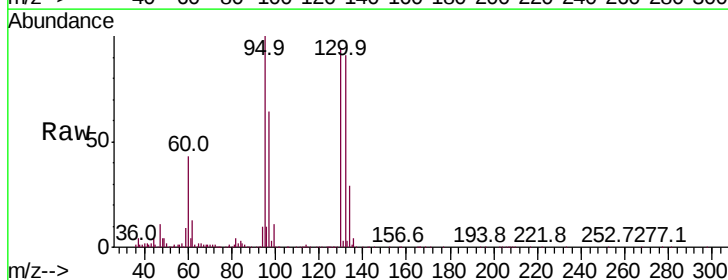
Ion	Ratio	Lower	Upper
95	100		
97	63.6	43.8	81.3
132	90.5	63.4	117.8
130	94.4	65.7	122.1

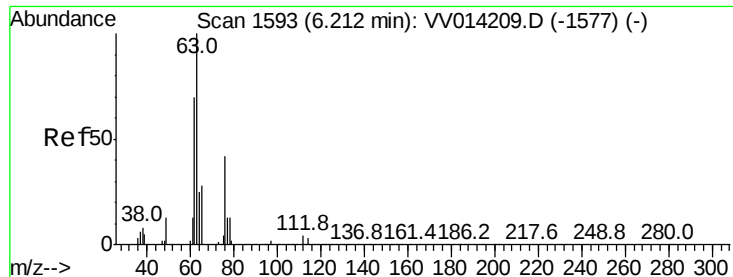
Abundance Ion 95.00 (94.70 to 95.70): VV0

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





#37

1,2-Dichloropropane

Concen: 0.727 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.01 min

Lab File: VV014213.D

Acq: 28 Dec 2019 13:37

Instrument :

MSVOA_V

ClientSampleId :

BF6X4

Tot Ion: 63 Resp: 46759

Ion Ratio Lower Upper

63 100

112 6.4 3.7 5.5#

