

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122319\
 Data File : VV014169.D
 Acq On : 23 Dec 2019 19:55
 Operator : SY/MD
 Sample : K6404-05
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFDZ4

Quant Time: Dec 24 03:09:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 24 01:34:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	367044	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	339047	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	168005	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	132350	5.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.40%
7) Chloroethane-d5	1.58	69	116409	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.80%
11) 1,1-Dichloroethene-d2	2.13	63	178691	4.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.20%
20) 2-Butanone-d5	3.92	46	291361	58.65	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.30%
24) Chloroform-d	4.40	84	253243	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.08	65	127338	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
32) Benzene-d6	5.10	84	509106	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
36) 1,2-Dichloropropane-d6	6.11	67	154846	5.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.00%
41) Toluene-d8	7.36	98	428313	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
43) trans-1,3-Dichloropropene-	7.66	79	52095	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.13	63	218209	57.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.36%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	104230	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	169682	5.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	4312	0.141	ug/L	93
6) Bromomethane	1.53	94	4123	0.262	ug/L	82
13) Acetone	2.19	43	19835	4.901	ug/L	96
14) Carbon disulfide	2.32	76	356496	5.069	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	19796	0.380	ug/L #	57
30) Cyclohexane	4.72	56	3184	0.084	ug/L #	62
33) Benzene	5.15	78	20738	0.217	ug/L	100
35) Methylcyclohexane	6.17	83	7225	0.193	ug/L	95
42) Toluene	7.43	91	60355	0.603	ug/L	96
51) Chlorobenzene	8.92	112	6785	0.104	ug/L	93
52) Ethylbenzene	9.05	91	12376	0.119	ug/L	97
53) m,p-xylene	9.18	106	18265	0.453	ug/L	92
54) o-xylene	9.59	106	10050	0.265	ug/L	95
63) 1,4-Dichlorobenzene	11.31	146	45734	0.921	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	46111	1.010	ug/L	92

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QLast Update : Tue Dec 24 01:34:37 2019
Response via : Initial Calibration

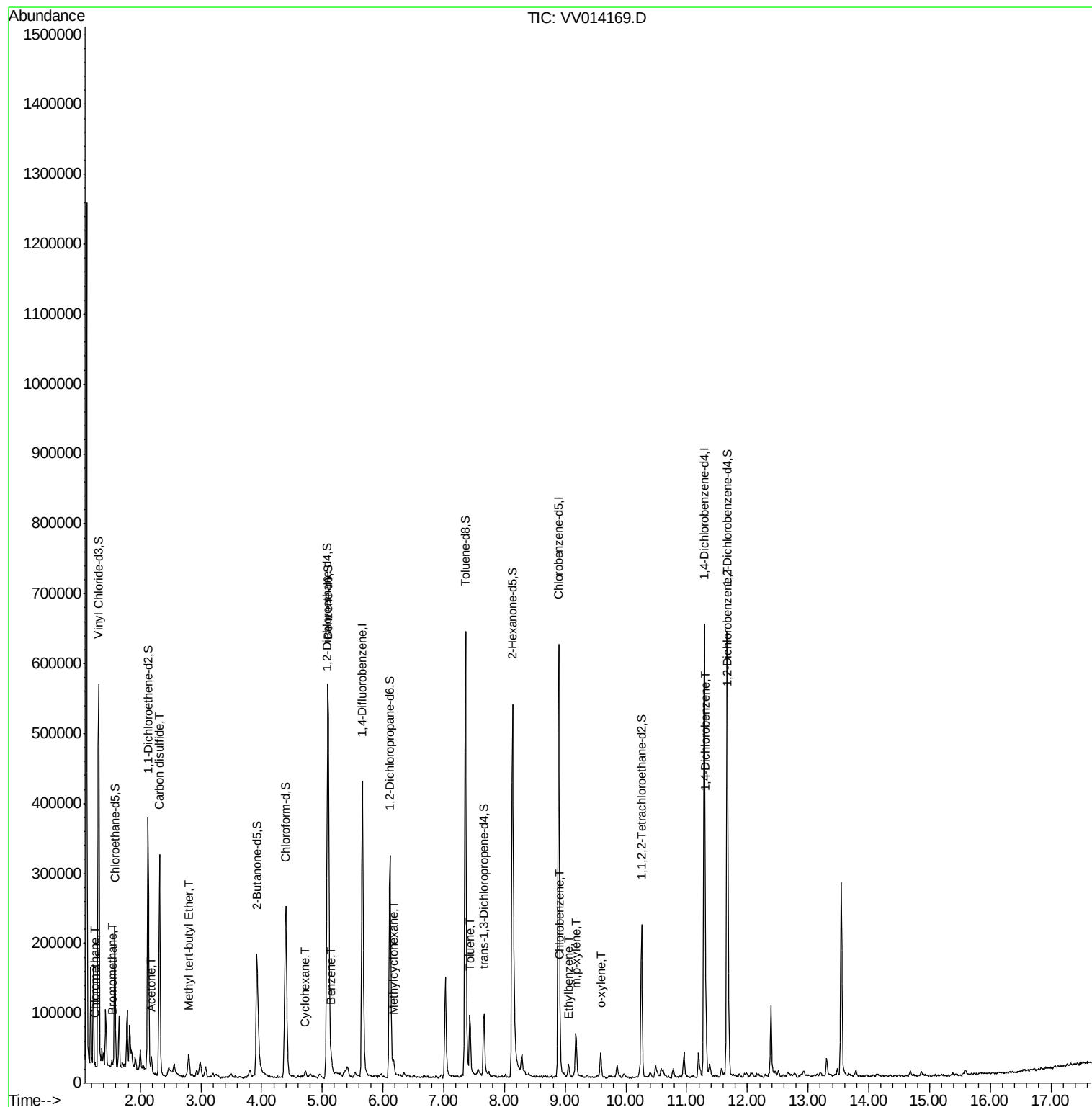
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

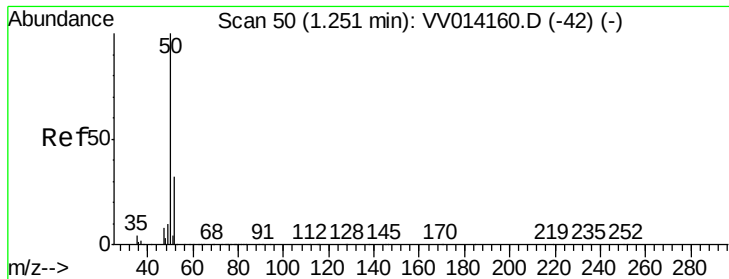
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#3

Chloromethane

Concen: 0.141 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014169.D

Acq: 23 Dec 2019 19:55

Instrument :

MSVOA_V

ClientSampleId :

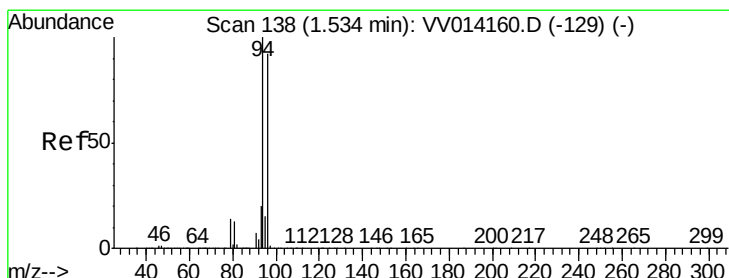
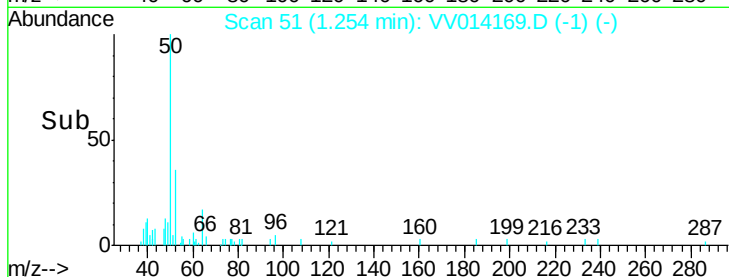
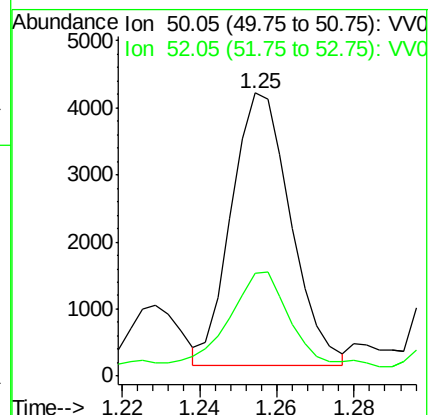
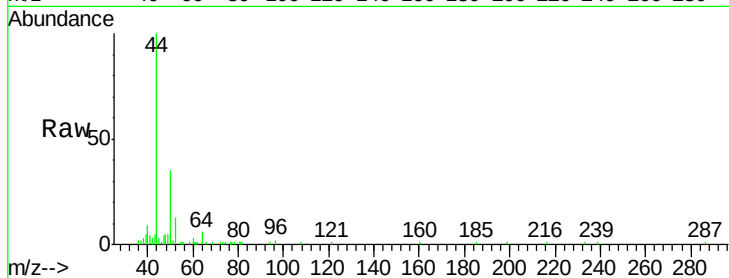
BFDZ4

Tot Ion: 50 Resp: 4312

Ion Ratio Lower Upper

50 100

52 36.4 22.9 42.5



#6

Bromomethane

Concen: 0.262 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014169.D

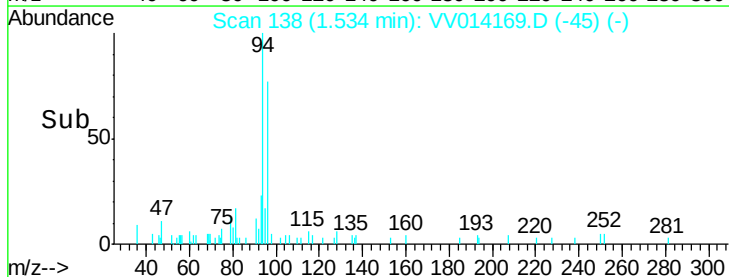
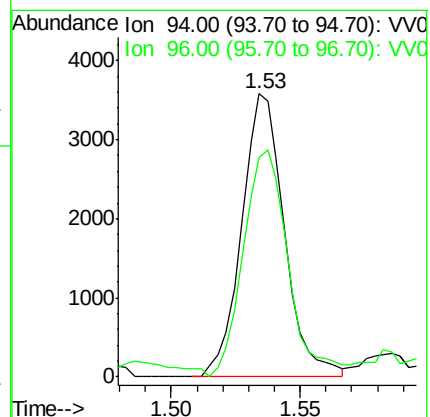
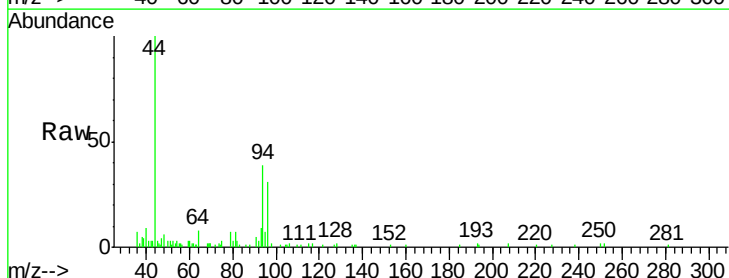
Acq: 23 Dec 2019 19:55

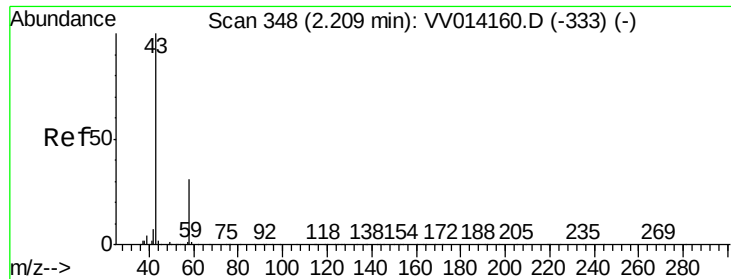
Tgt Ion: 94 Resp: 4123

Ion Ratio Lower Upper

94 100

96 77.5 66.4 123.4





#13

Acetone

Concen: 4.901 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.02 min

Lab File: VV014169.D

Acq: 23 Dec 2019 19:55

Instrument :

MSVOA_V

ClientSampleId :

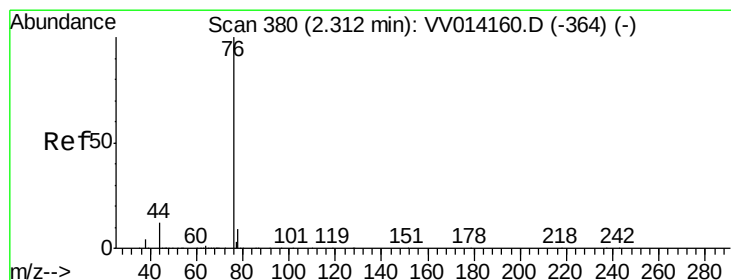
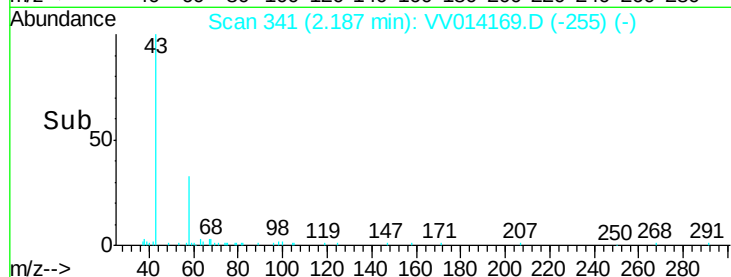
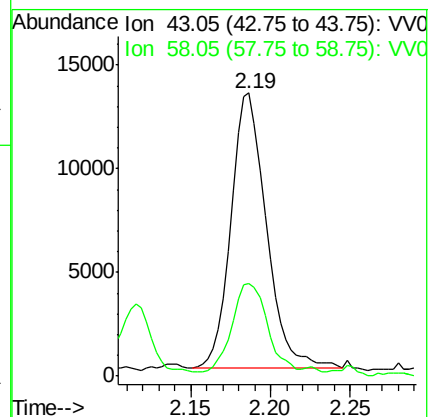
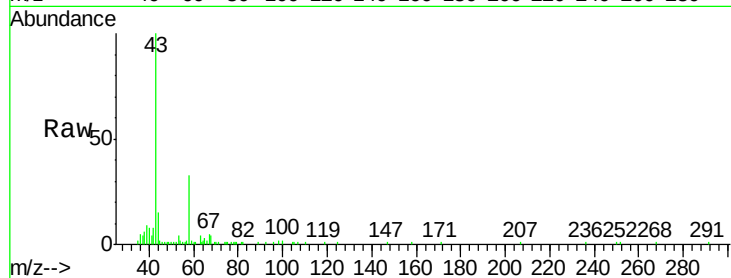
BFDZ4

Tot Ion: 43 Resp: 19835

Ion Ratio Lower Upper

43 100

58 31.5 0.0 58.8



#14

Carbon disulfide

Concen: 5.069 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV014169.D

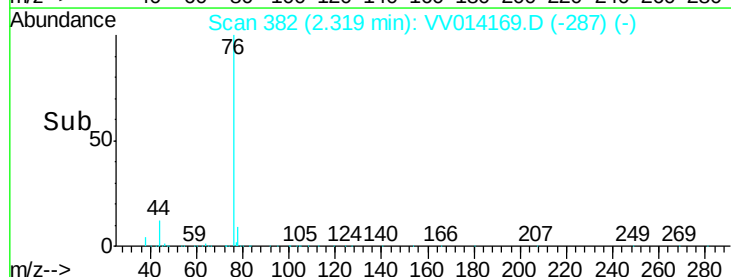
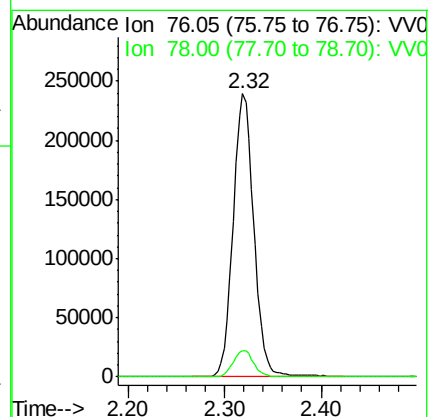
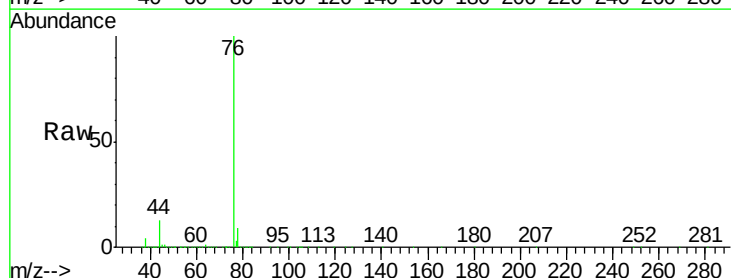
Acq: 23 Dec 2019 19:55

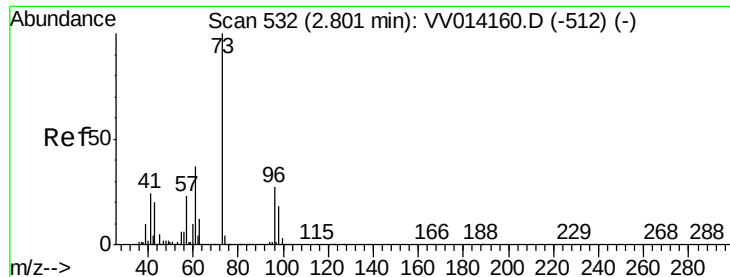
Tgt Ion: 76 Resp: 356496

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6

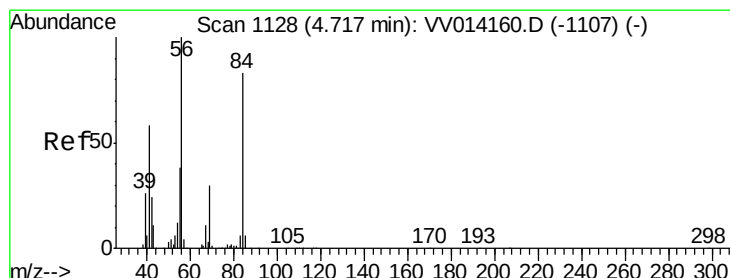
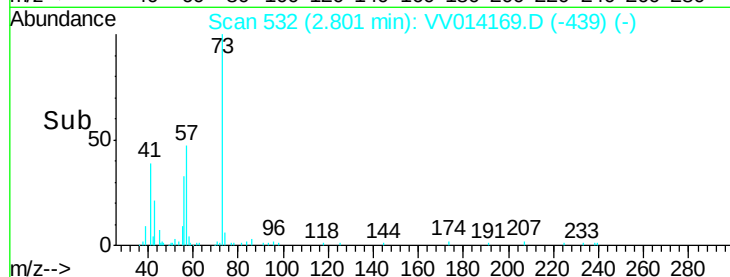
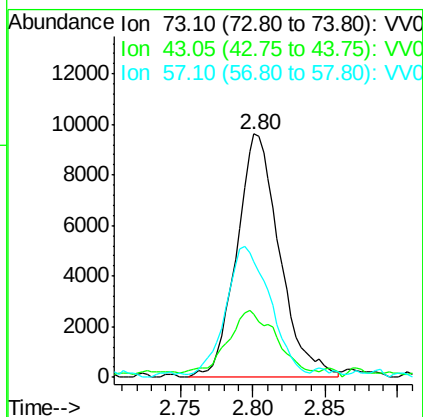
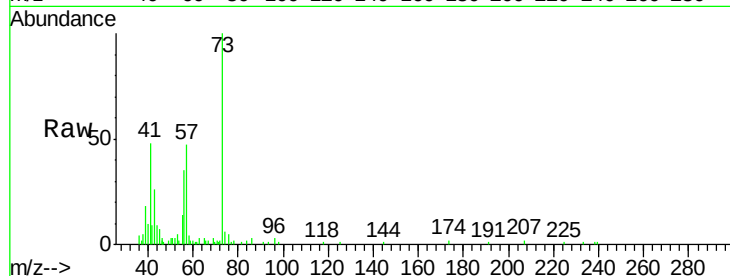




#17
Methvl tert-butvl Ether
Concen: 0.380 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.00 min
Lab File: VV014169.D
Acq: 23 Dec 2019 19:55

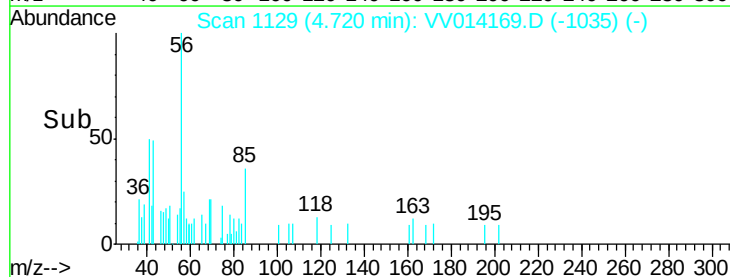
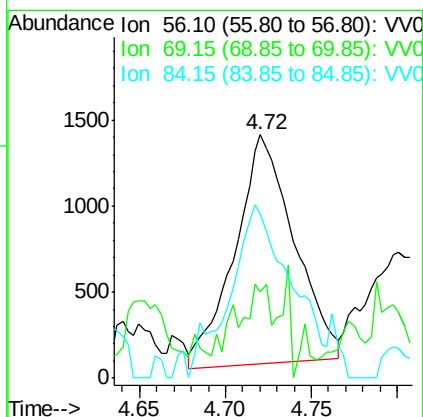
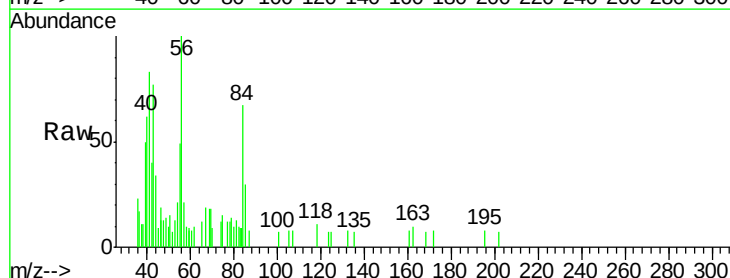
Instrument :
MSVOA_V
ClientSampleId :
BFDZ4

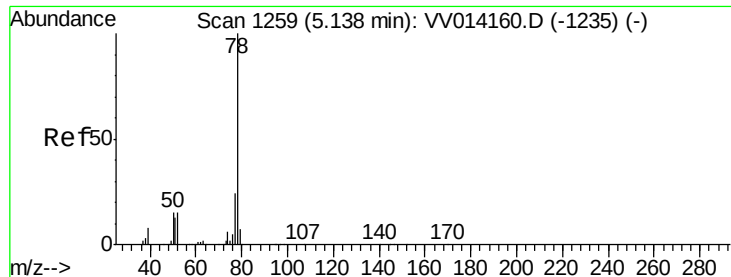
Tot Ion	Ratio	Lower	Upper
73	100		
43	28.1	15.8	23.8#
57	54.2	18.6	28.0#



#30
Cyclohexane
Concen: 0.084 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VV014169.D
Acq: 23 Dec 2019 19:55

Tgt Ion	Ratio	Lower	Upper
56	100		
69	12.5	24.4	36.6#
84	49.3	68.3	102.5#





#33

Benzene

Concen: 0.217 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VV014169.D

Acq: 23 Dec 2019 19:55

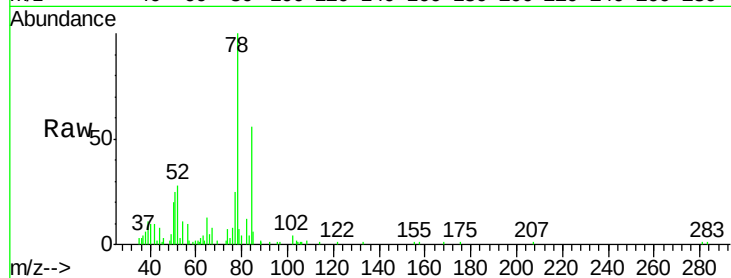
Instrument :

MSVOA_V

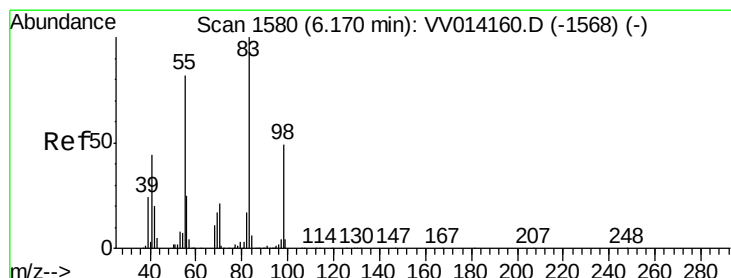
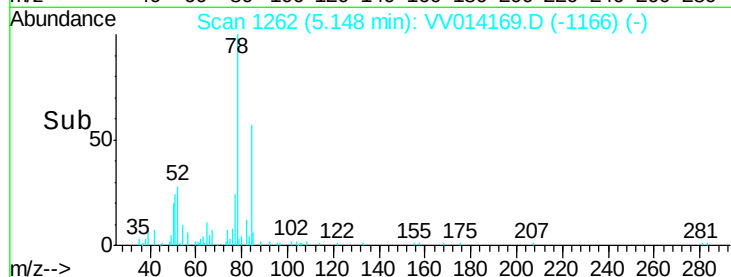
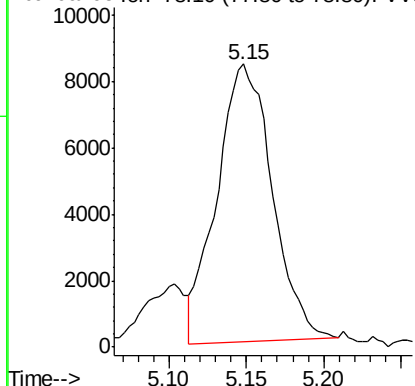
ClientSampleId :

BFDZ4

Tgt Ion: 78 Resp: 20738



Abundance Ion 78.10 (77.80 to 78.80): VV0



#35

Methylcyclohexane

Concen: 0.193 ug/L

RT: 6.17 min Scan# 1581

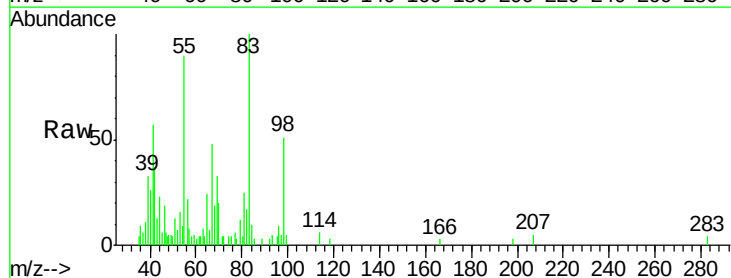
Delta R.T. 0.00 min

Lab File: VV014169.D

Acq: 23 Dec 2019 19:55

Tgt Ion: 83 Resp: 7225

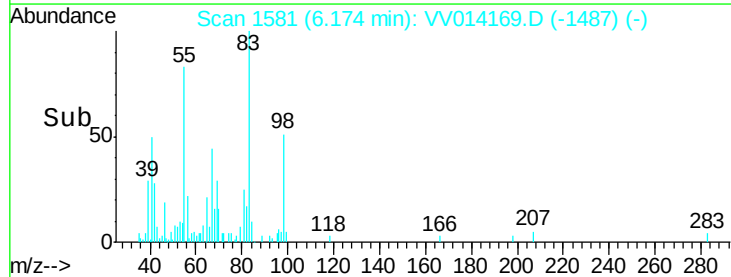
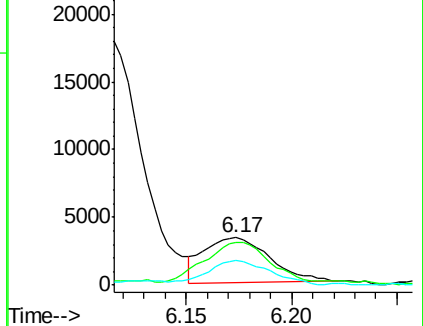
Ion	Ratio	Lower	Upper
83	100		
55	85.8	65.3	97.9
98	52.3	39.2	58.8

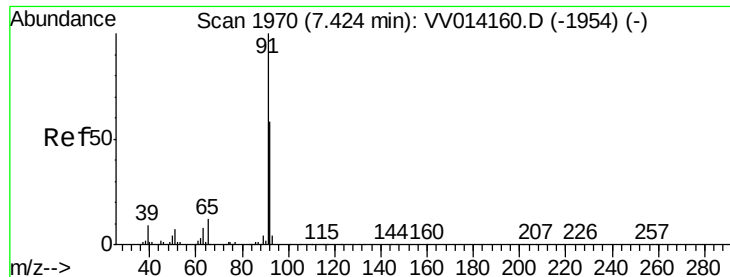


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#42

Toluene

Concen: 0.603 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VV014169.D

Acq: 23 Dec 2019 19:55

Instrument :

MSVOA_V

ClientSampleId :

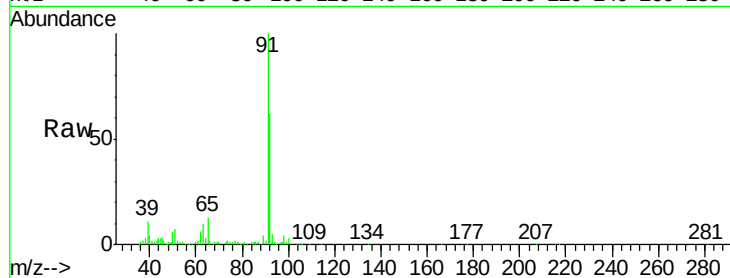
BFDZ4

Tot Ion: 91 Resp: 60355

Ion Ratio Lower Upper

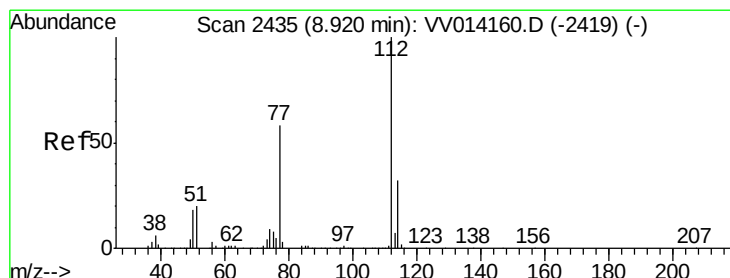
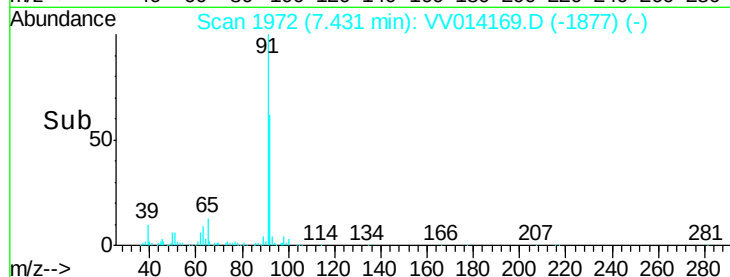
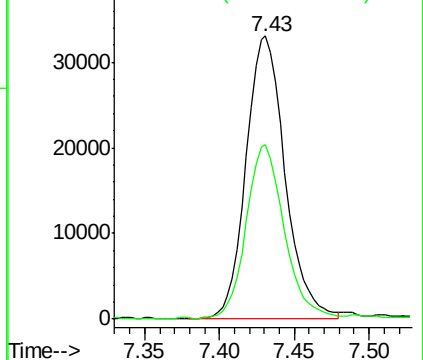
91 100

92 61.7 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#51

Chlorobenzene

Concen: 0.104 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV014169.D

Acq: 23 Dec 2019 19:55

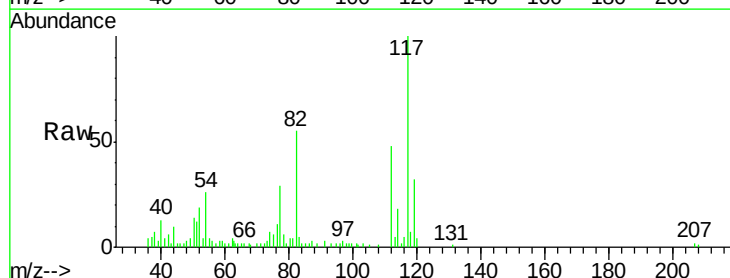
Tgt Ion: 112 Resp: 6785

Ion Ratio Lower Upper

112 100

114 38.0 22.3 41.5

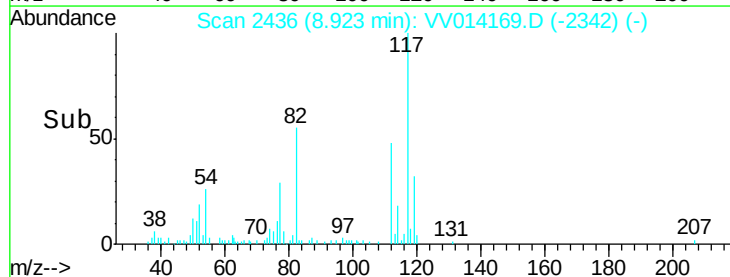
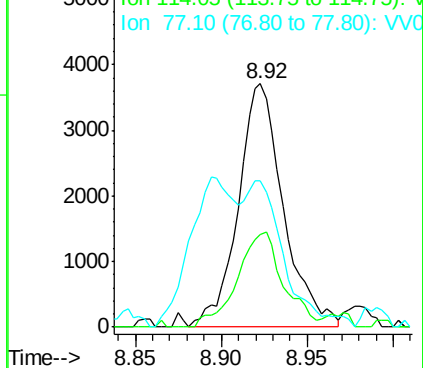
77 59.9 45.1 67.7

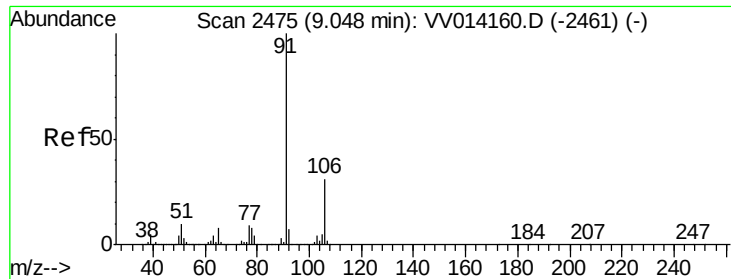


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.119 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.01 min

Lab File: VV014169.D

Acq: 23 Dec 2019 19:55

Instrument :

MSVOA_V

ClientSampleId :

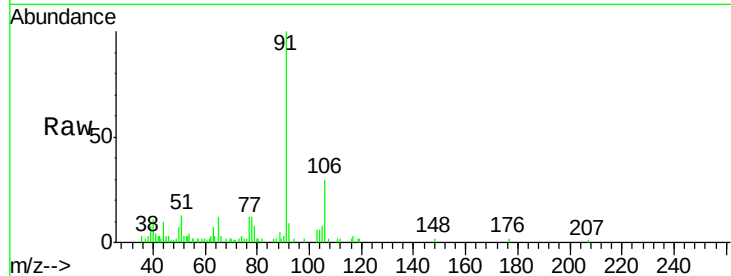
BFDZ4

Tot Ion: 91 Resp: 12376

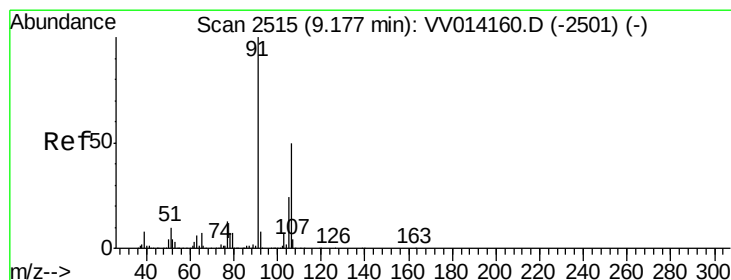
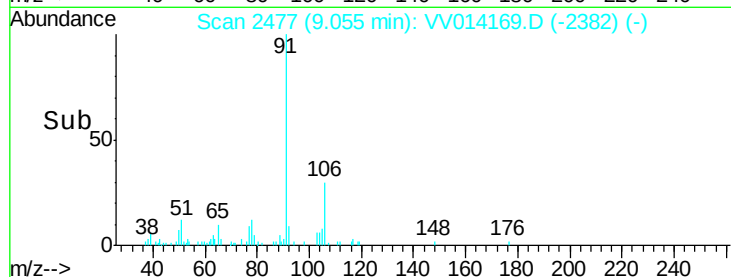
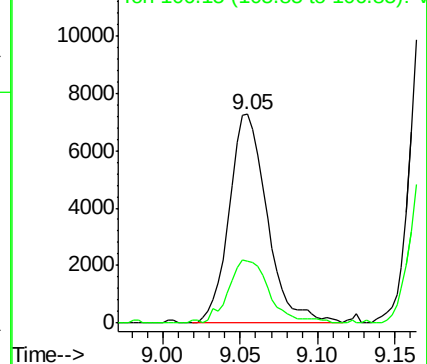
Ion Ratio Lower Upper

91 100

106 29.7 22.0 41.0



Abundance Ion 91.15 (90.85 to 91.85): VV014169.D (-2382) (-)



#53

m,p-xylene

Concen: 0.453 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014169.D

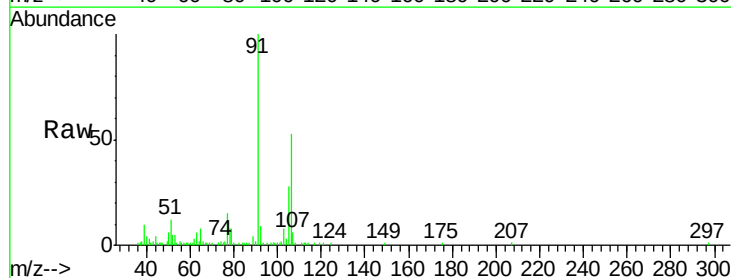
Acq: 23 Dec 2019 19:55

Tgt Ion: 106 Resp: 18265

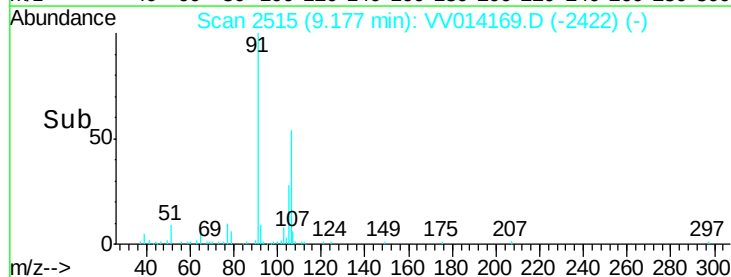
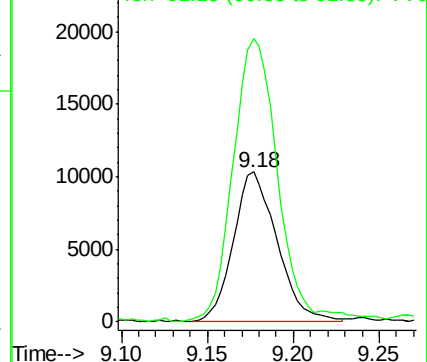
Ion Ratio Lower Upper

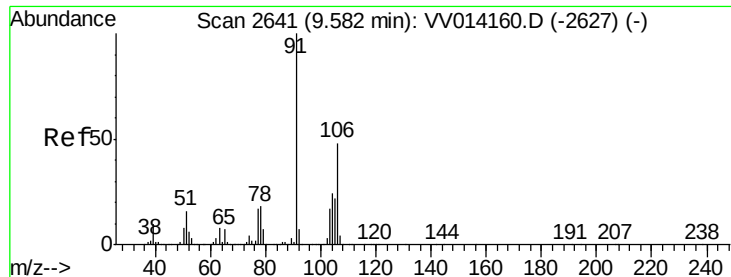
106 100

91 189.2 141.1 262.1



Abundance Ion 106.15 (105.85 to 106.85): VV014169.D (-2422) (-)





#54

o-xylene

Concen: 0.265 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV014169.D

Acq: 23 Dec 2019 19:55

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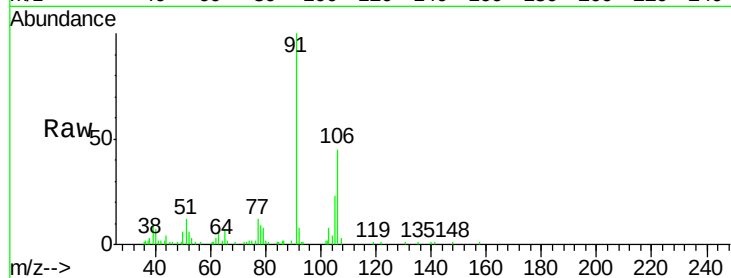
BFDZ4

Tot Ion:106 Resp: 10050

Ion Ratio Lower Upper

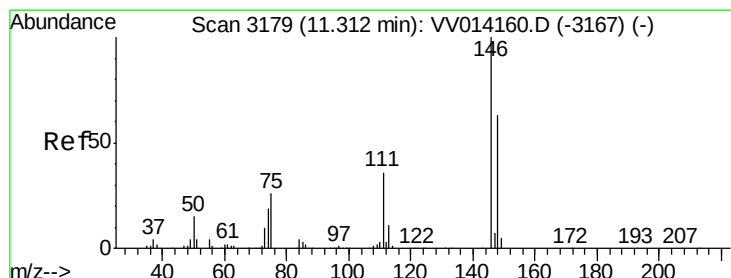
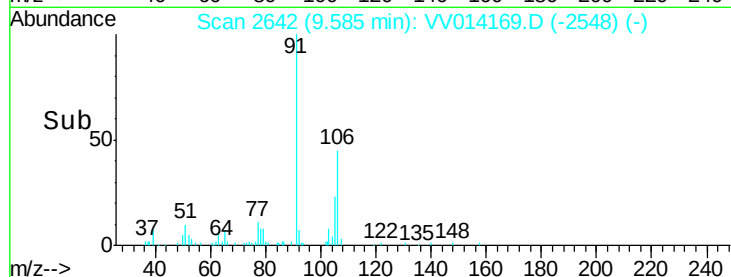
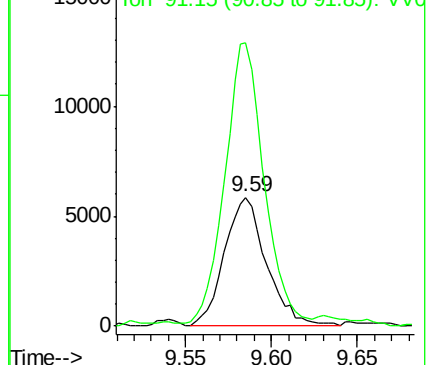
106 100

91 220.2 149.0 276.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#63

1,4-Dichlorobenzene

Concen: 0.921 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014169.D

Acq: 23 Dec 2019 19:55

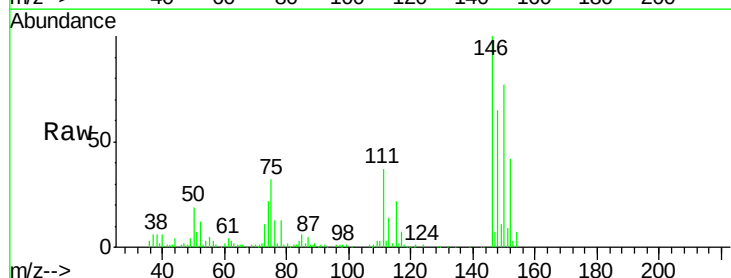
Tgt Ion:146 Resp: 45734

Ion Ratio Lower Upper

146 100

111 37.3 25.7 47.7

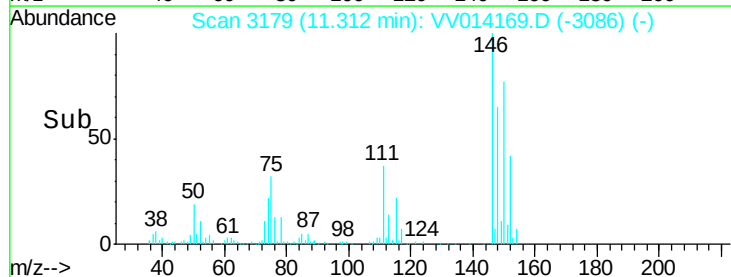
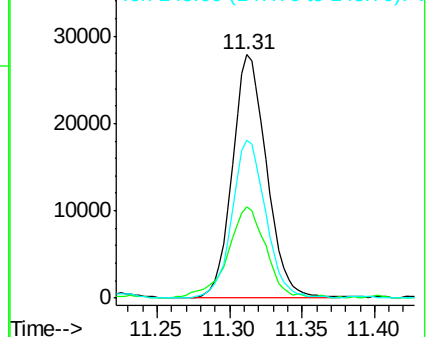
148 65.0 45.1 83.7

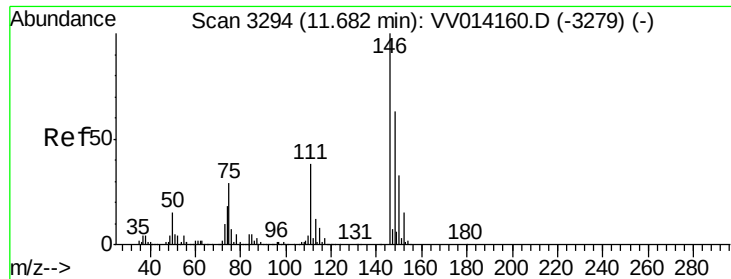


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.010 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014169.D

Acq: 23 Dec 2019 19:55

Instrument :

MSVOA_V

ClientSampleId :

BFDZ4

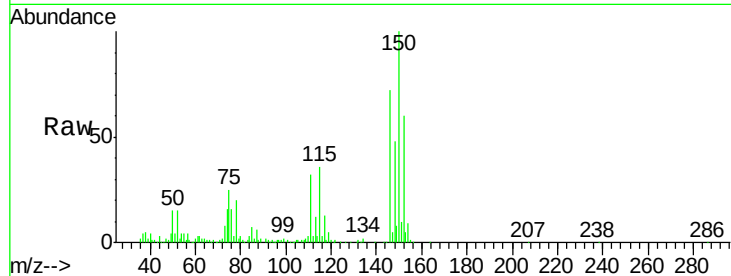
Tot Ion:146 Resp: 46111

Ion Ratio Lower Upper

146 100

111 44.0 30.7 46.1

148 67.1 49.4 74.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

