

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112219\
 Data File : VX013526.D
 Acq On : 22 Nov 2019 12:29
 Operator : JC/SP
 Sample : K5942-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 55-ST-23

Quant Time: Nov 22 14:27:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:16:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	112087	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.85	114	623251	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	542152	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	244938	29.59	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.63%
60) 4-Bromofluorobenzene	11.13	95	240034	27.55	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.83%
63) Toluene-d8	8.71	98	737943	30.10	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.33%

Target Compounds

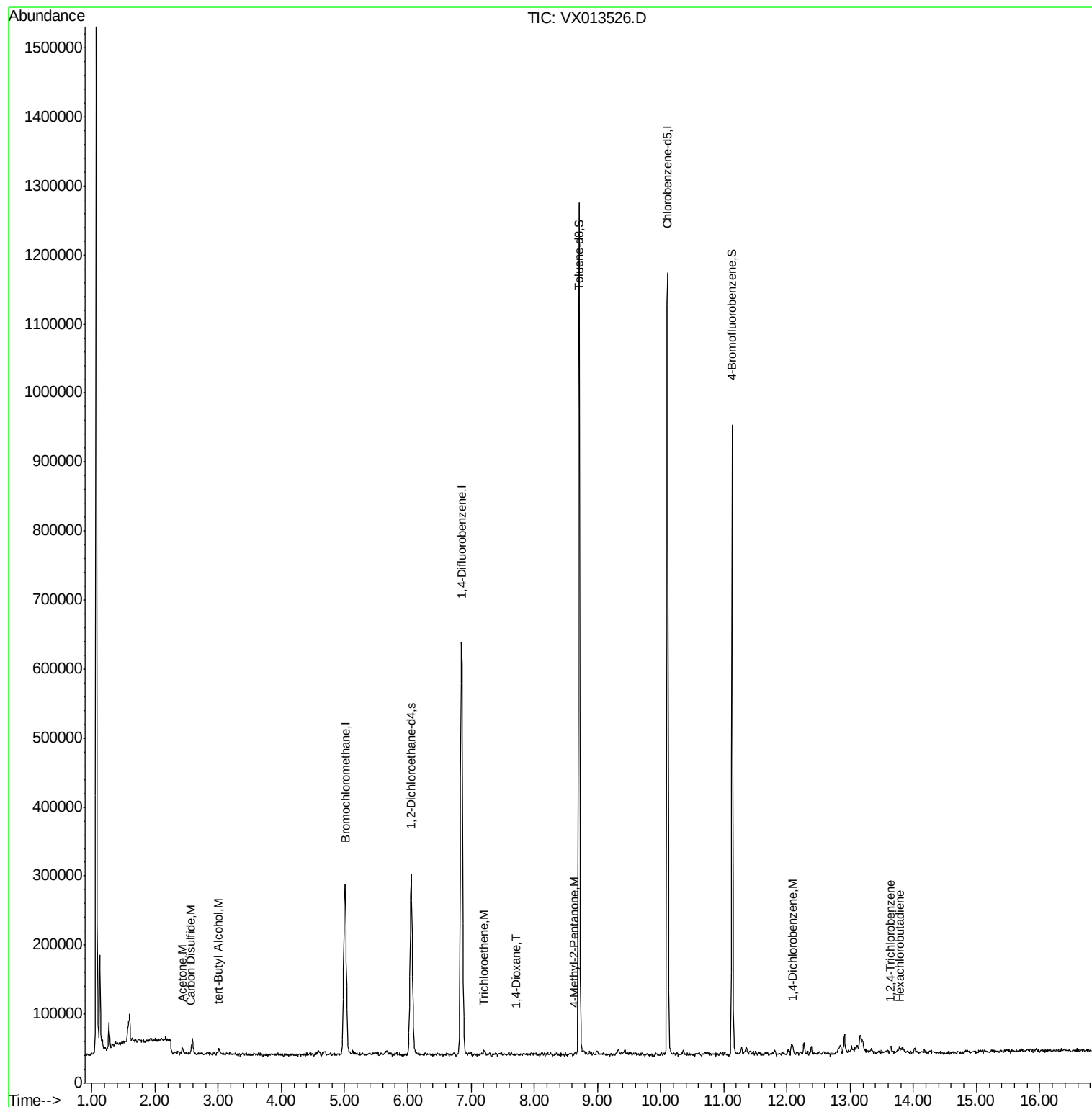
					Qvalue
15) Acetone	2.43	58	2547	1.885 ug/l	77
16) Carbon Disulfide	2.56	76	5070	0.263 ug/l	99
23) tert-Butyl Alcohol	3.00	59	2462	1.147 ug/l #	91
37) Trichloroethene	7.21	130	3299	0.426 ug/l	88
45) 1,4-Dioxane	7.72	88	364	1.790 ug/l #	50
58) 4-Methyl-2-Pentanone	8.64	43	2275	0.201 ug/l #	80
84) 1,4-Dichlorobenzene	12.09	146	3118	0.208 ug/l	89
89) 1,2,4-Trichlorobenzene	13.65	180	2380	0.229 ug/l #	91
90) Hexachlorobutadiene	13.77	225	1107	0.222 ug/l	80

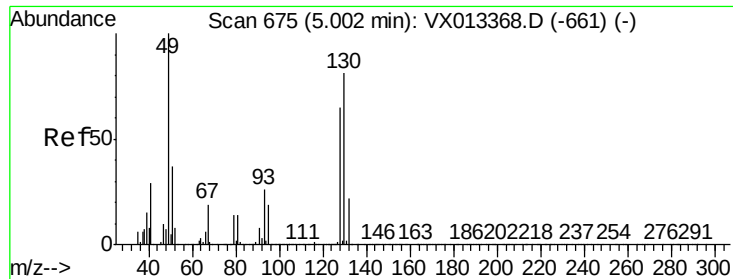
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 12 01:16:13 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX013526.D

Acq: 22 Nov 2019 12:29

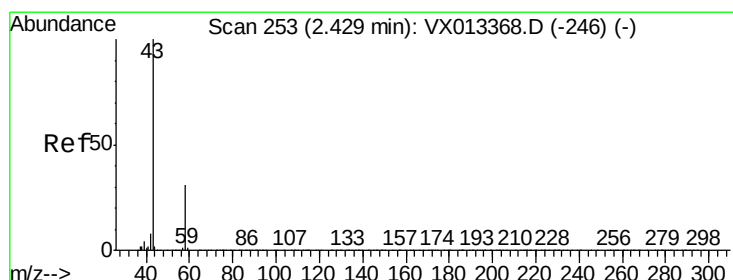
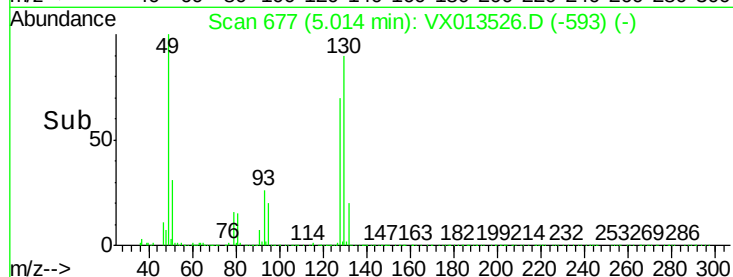
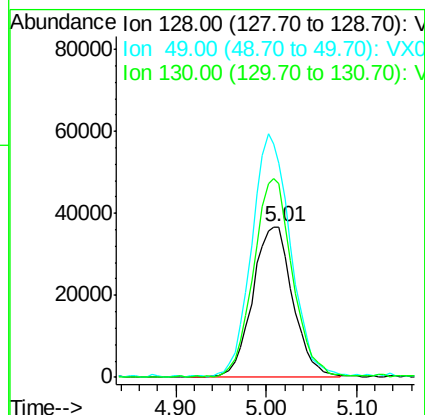
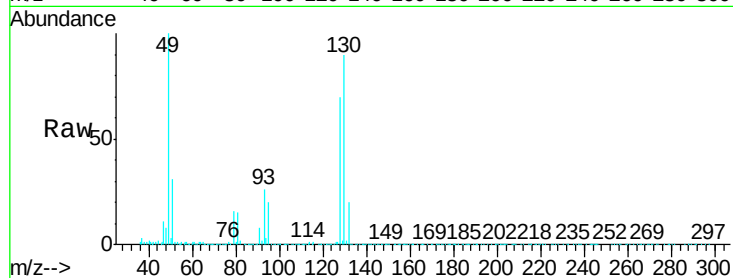
Instrument :

MSVOA_X

ClientSampleId :

55-ST-23

Tgt Ion:	128	Resp:	112087
Ion	Ratio	Lower	Upper
128	100		
49	156.5	0.0	388.3
130	128.2	0.0	318.5



#15

Acetone

Concen: 1.885 ug/l

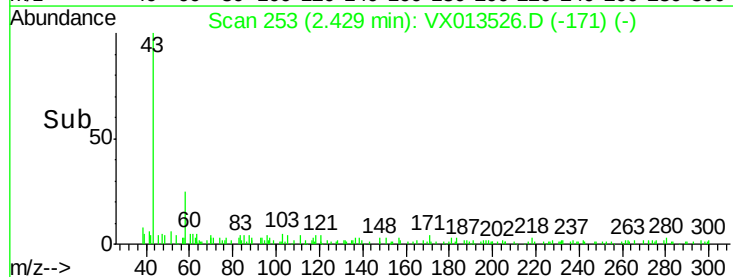
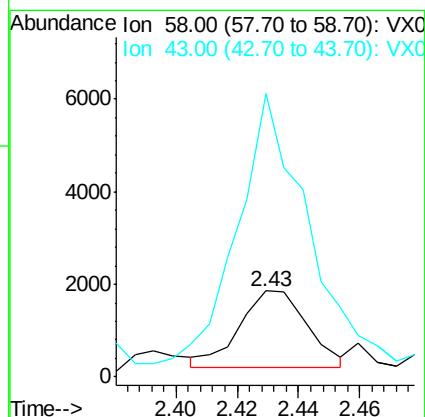
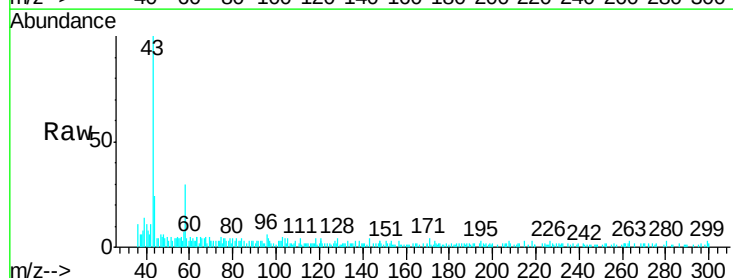
RT: 2.43 min Scan# 253

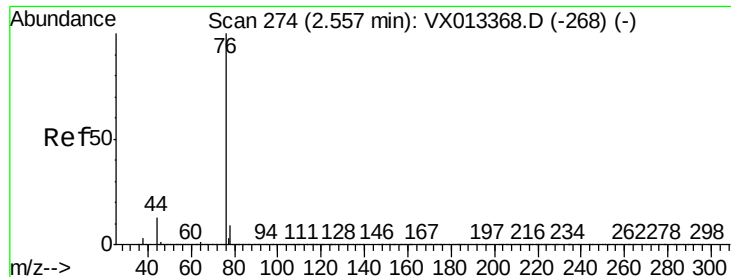
Delta R.T. -0.00 min

Lab File: VX013526.D

Acq: 22 Nov 2019 12:29

Tgt Ion:	58	Resp:	2547
Ion	Ratio	Lower	Upper
58	100		
43	375.1	261.4	392.2

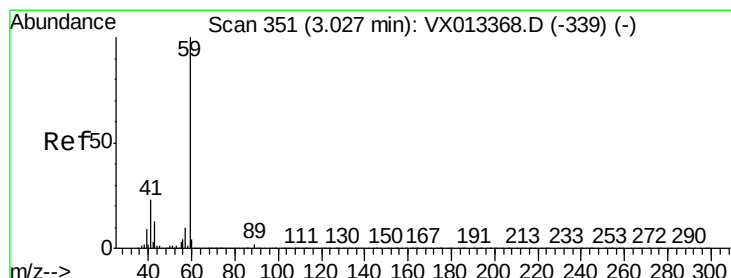
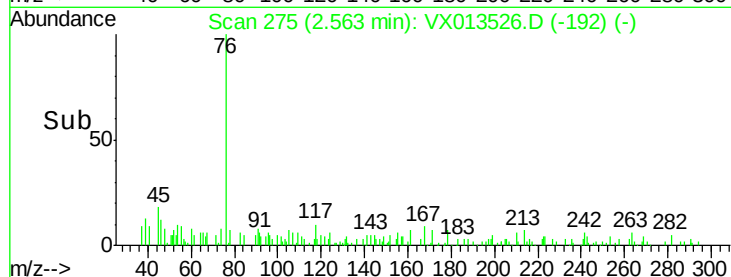
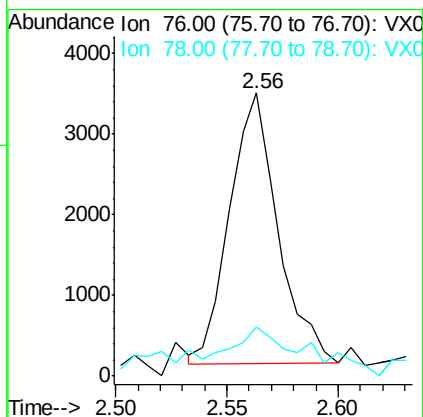
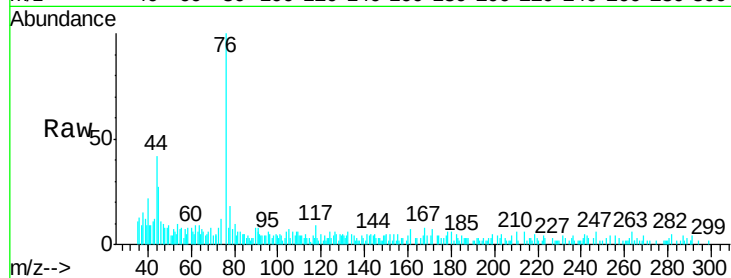




#16
Carbon Disulfide
Concen: 0.263 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX013526.D
Acq: 22 Nov 2019 12:29

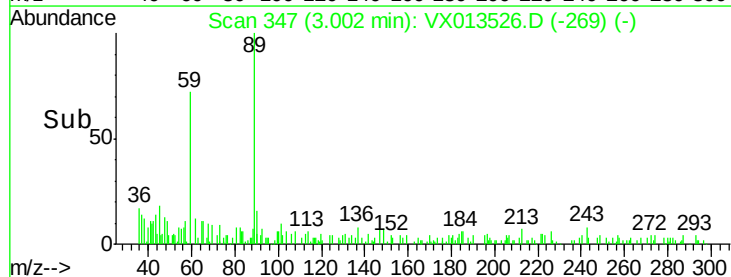
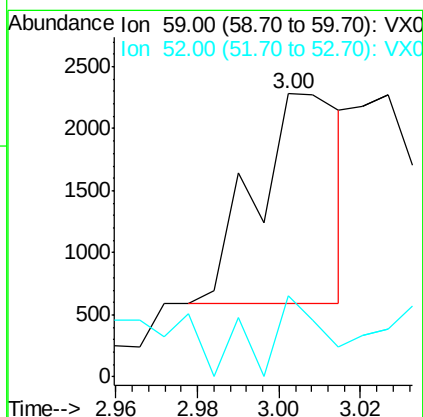
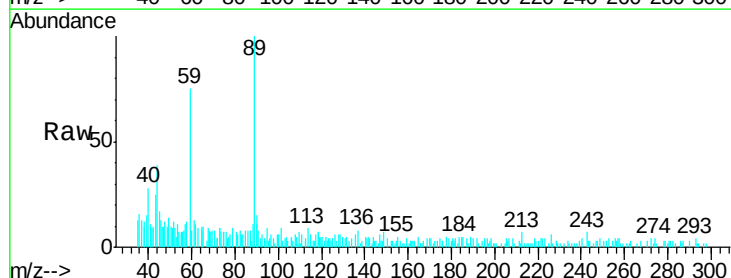
Instrument :
MSVOA_X
ClientSampleId :
55-ST-23

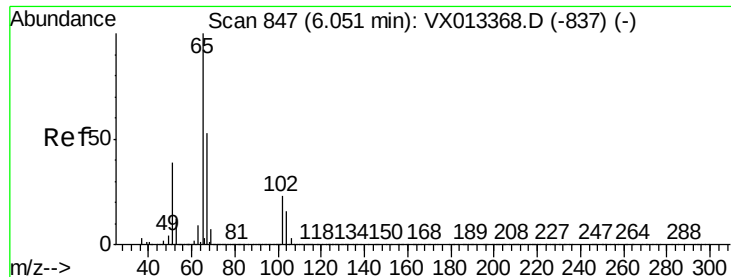
Tgt Ion: 76 Resp: 5070
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0



#23
tert-Butyl Alcohol
Concen: 1.147 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.02 min
Lab File: VX013526.D
Acq: 22 Nov 2019 12:29

Tgt Ion: 59 Resp: 2462
Ion Ratio Lower Upper
59 100
52 20.1 0.1 0.1#





#27

1,2-Dichloroethane-d4

Concen: 29.594 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013526.D

Acq: 22 Nov 2019 12:29

Instrument :

MSVOA_X

ClientSampled :

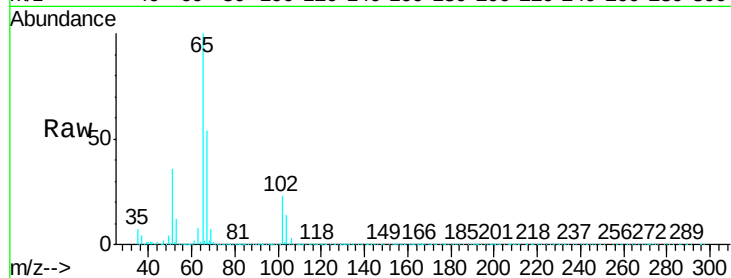
55-ST-23

Tgt Ion: 65 Resp: 244938

Ion Ratio Lower Upper

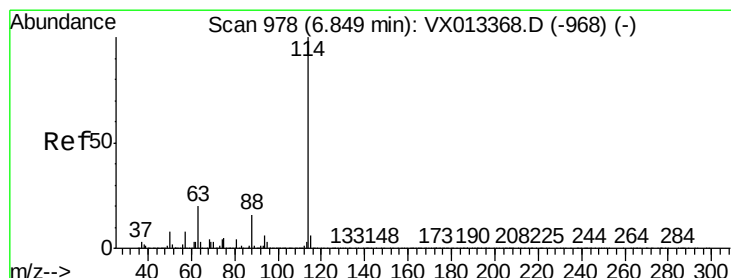
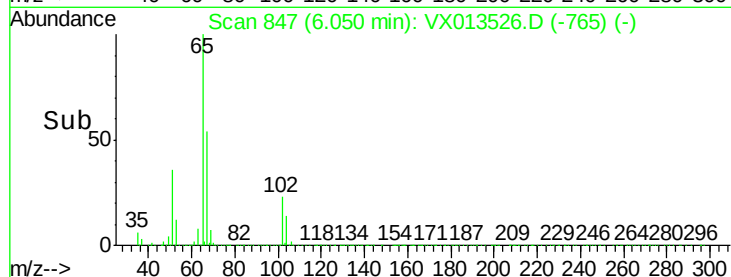
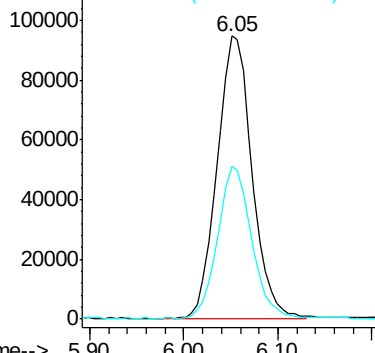
65 100

67 52.3 41.0 61.6



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013526.D

Acq: 22 Nov 2019 12:29

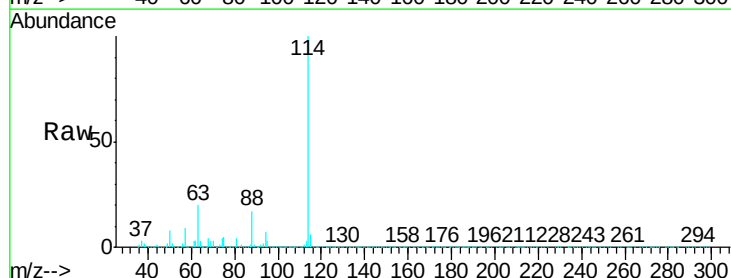
Tgt Ion: 114 Resp: 623251

Ion Ratio Lower Upper

114 100

63 20.1 16.1 24.1

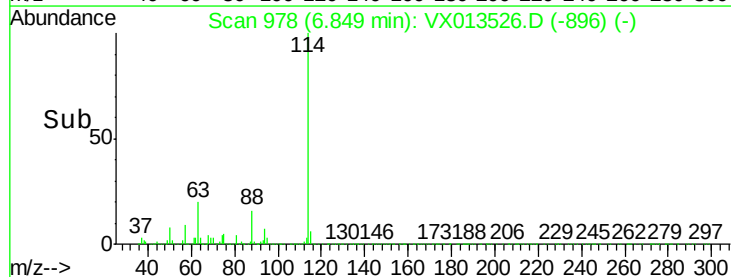
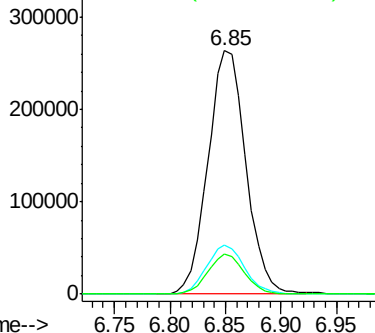
88 15.7 12.3 18.5

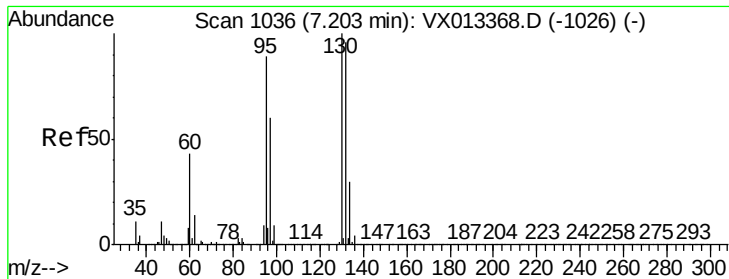


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#37

Trichloroethene

Concen: 0.426 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013526.D

Acq: 22 Nov 2019 12:29

Instrument :

MSVOA_X

ClientSampled :

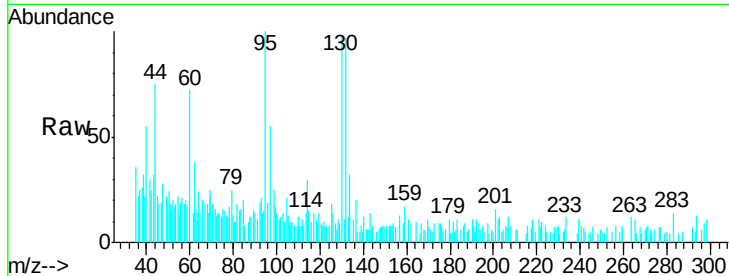
55-ST-23

Tgt Ion: 130 Resp: 3299

Ion Ratio Lower Upper

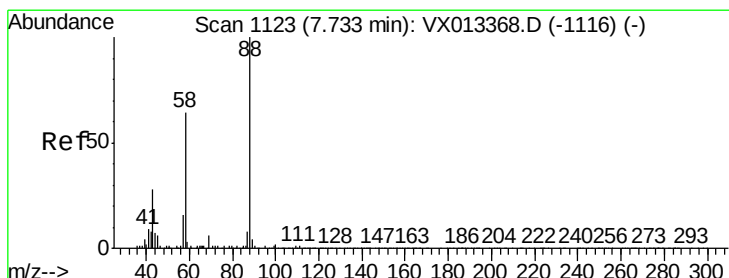
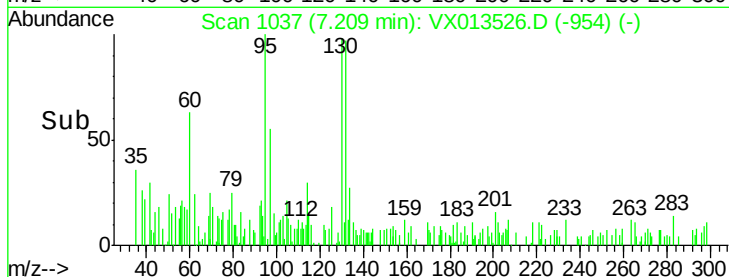
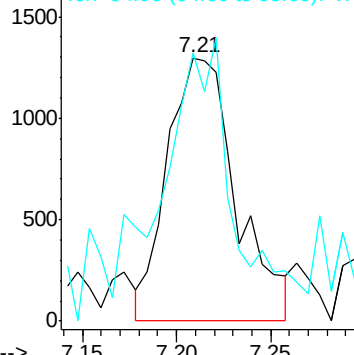
130 100

95 100.0 71.3 106.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,4-Dioxane

Concen: 1.790 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX013526.D

Acq: 22 Nov 2019 12:29

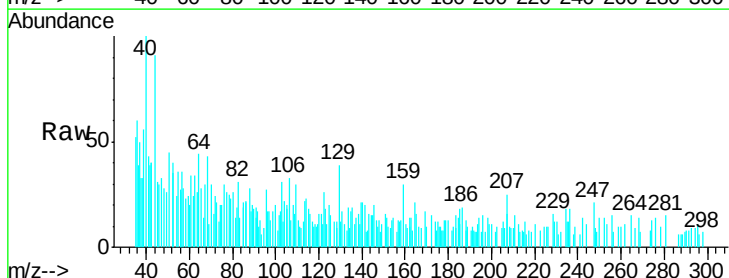
Tgt Ion: 88 Resp: 364

Ion Ratio Lower Upper

88 100

43 0.0 26.1 39.1#

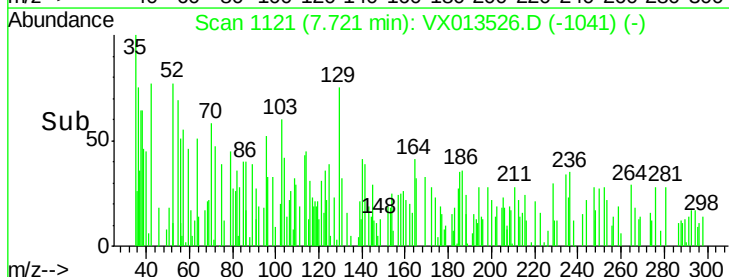
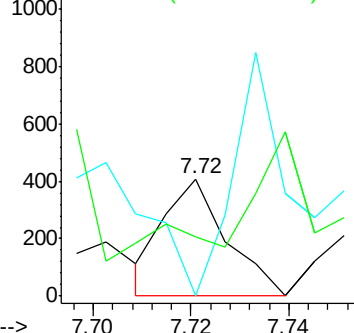
58 31.9 55.8 83.8#

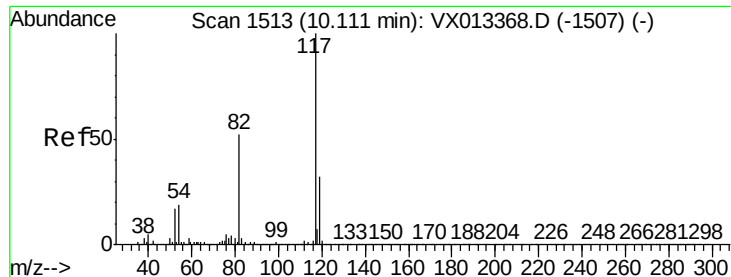


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

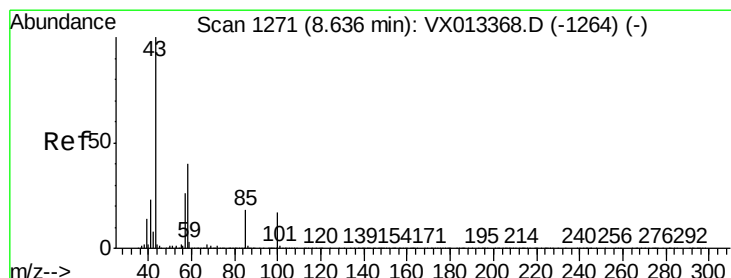
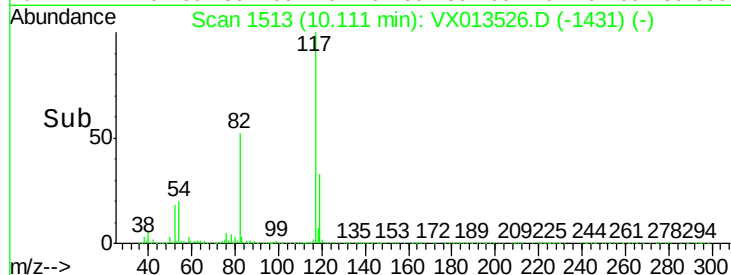
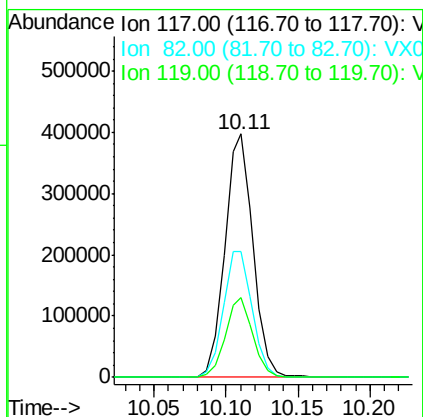
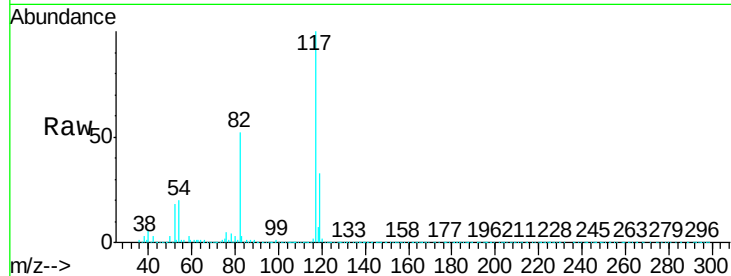




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013526.D
Acq: 22 Nov 2019 12:29

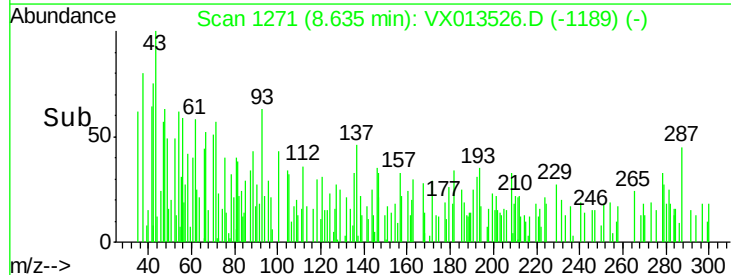
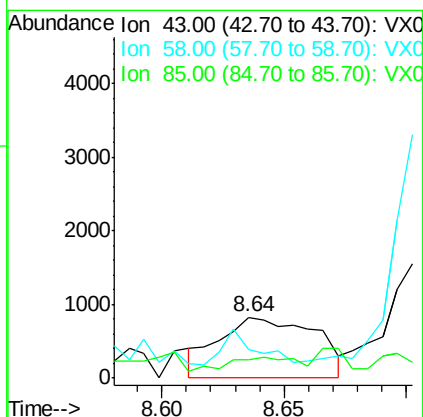
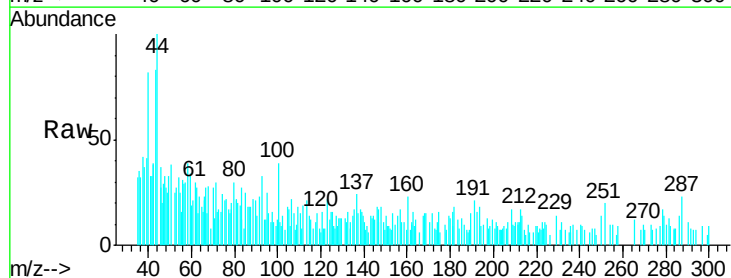
Instrument :
MSVOA_X
ClientSampled :
55-ST-23

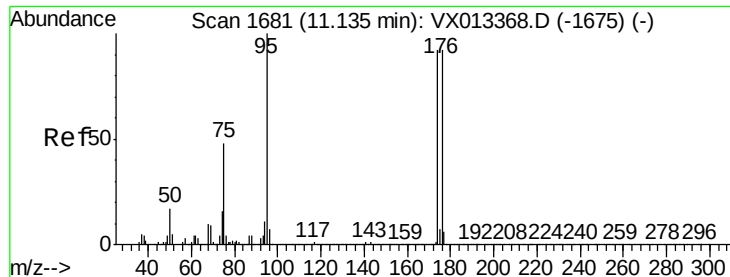
Tgt Ion: 117 Resp: 542152
Ion Ratio Lower Upper
117 100
82 53.5 43.7 65.5
119 31.7 25.5 38.3



#58
4-Methyl-2-Pentanone
Concen: 0.201 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013526.D
Acq: 22 Nov 2019 12:29

Tgt Ion: 43 Resp: 2275
Ion Ratio Lower Upper
43 100
58 23.5 31.6 47.4#
85 14.8 14.2 21.2

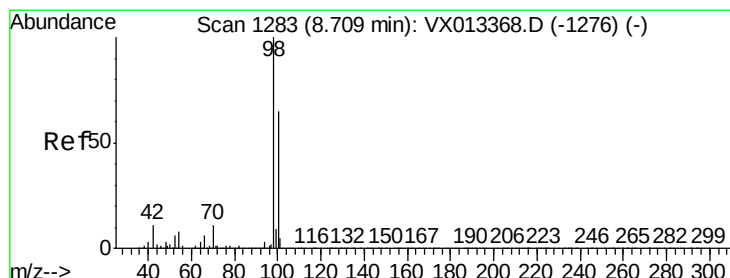
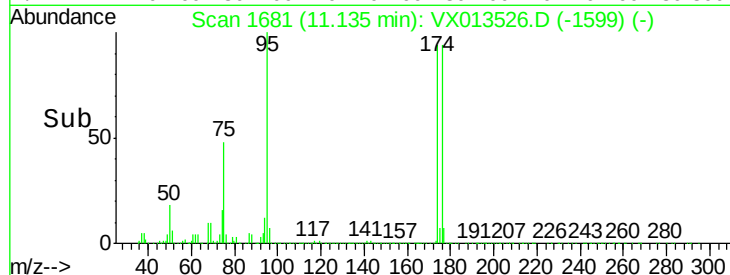
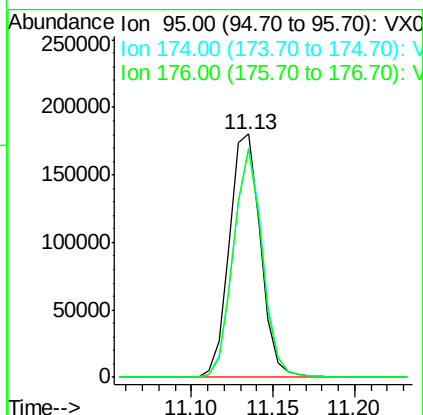
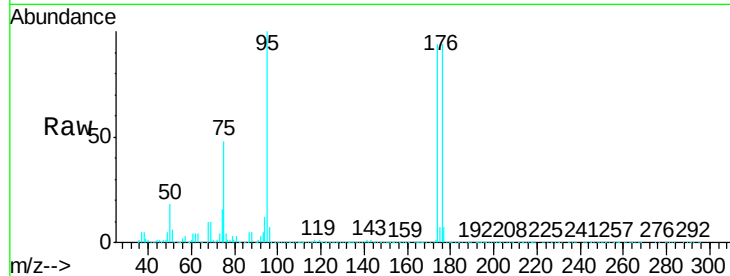




#60
4-Bromofluorobenzene
Concen: 27.546 ug/l
RT: 11.13 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013526.D
Acq: 22 Nov 2019 12:29

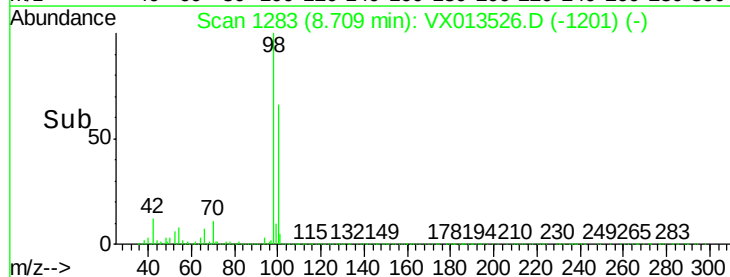
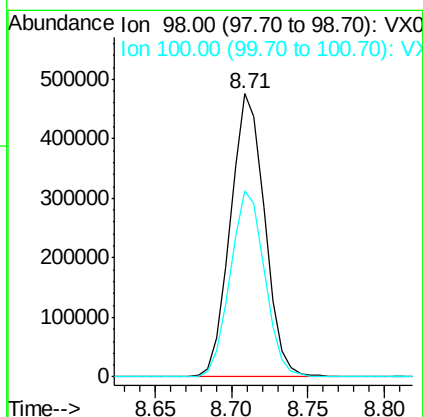
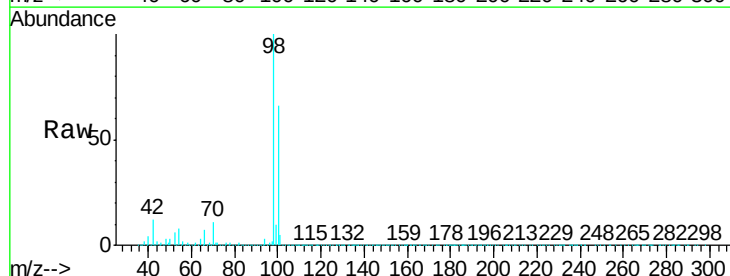
Instrument :
MSVOA_X
ClientSampleId :
55-ST-23

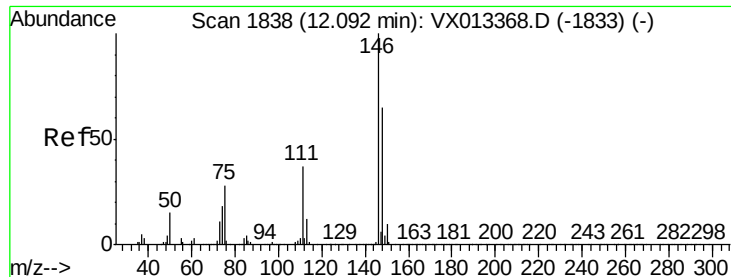
Tgt Ion: 95 Resp: 240034
Ion Ratio Lower Upper
95 100
174 88.8 70.2 105.2
176 86.8 68.3 102.5



#63
Toluene-d8
Concen: 30.100 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013526.D
Acq: 22 Nov 2019 12:29

Tgt Ion: 98 Resp: 737943
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7

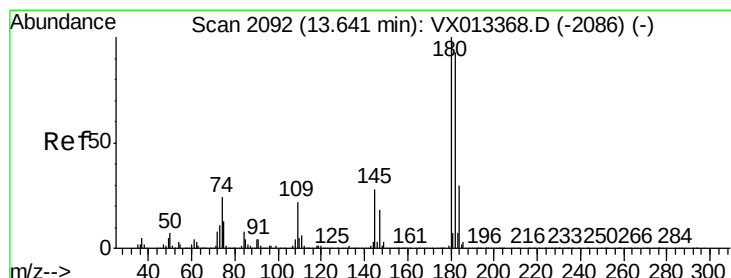
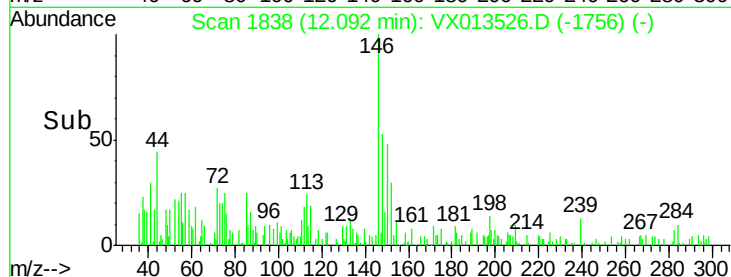
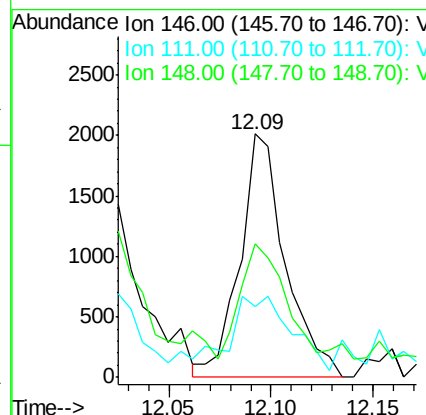
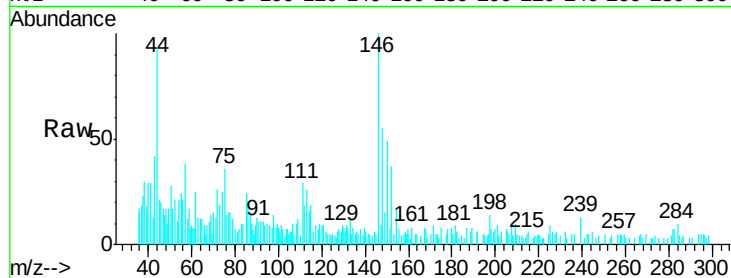




#84
 1,4-Dichlorobenzene
 Concen: 0.208 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013526.D
 Acq: 22 Nov 2019 12:29

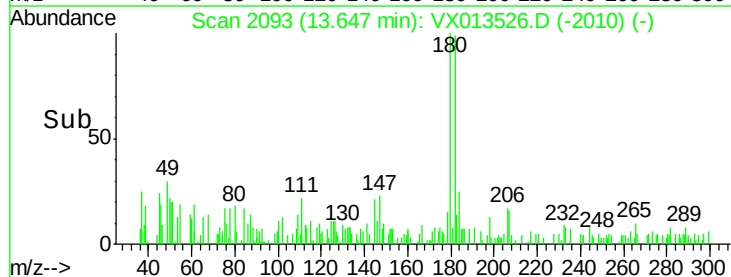
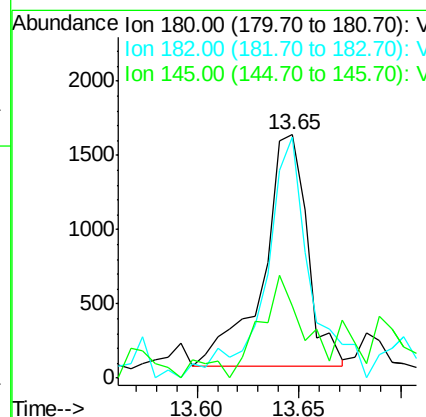
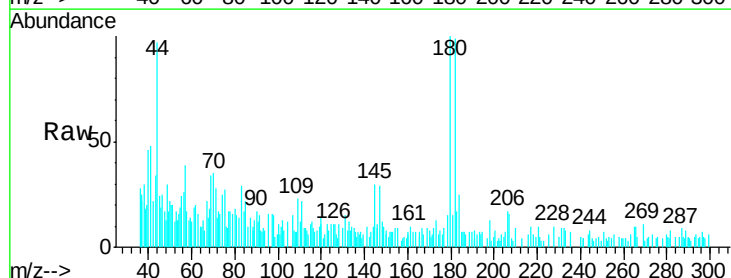
Instrument :
 MSVOA_X
 ClientSampled :
 55-ST-23

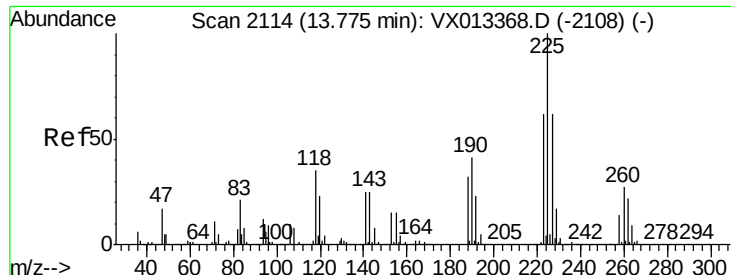
Tgt Ion:146 Resp: 3118
 Ion Ratio Lower Upper
 146 100
 111 34.9 18.6 55.6
 148 53.4 32.5 97.4



#89
 1,2,4-Trichlorobenzene
 Concen: 0.229 ug/l
 RT: 13.65 min Scan# 2093
 Delta R.T. 0.01 min
 Lab File: VX013526.D
 Acq: 22 Nov 2019 12:29

Tgt Ion:180 Resp: 2380
 Ion Ratio Lower Upper
 180 100
 182 96.3 74.7 112.1
 145 42.6 22.1 33.1#





#90

Hexachlorobutadiene

Concen: 0.222 ug/l

RT: 13.77 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VX013526.D

Acq: 22 Nov 2019 12:29

Instrument :

MSVOA_X

ClientSampleId :

55-ST-23

Tgt Ion: 225 Resp: 1107

Ion Ratio Lower Upper

225 100

223 55.6 0.0 123.0

227 86.3 0.0 121.8

