

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111419\
 Data File : VX013426.D
 Acq On : 14 Nov 2019 16:46
 Operator : JC/SP
 Sample : K5828-02DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 15 00:58:16 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	118366	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	644339	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	574613	30.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane-d4		6.05	65	257109	29.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.07%	
60) 4-Bromofluorobenzene		11.14	95	250321	27.10	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.33%	
63) Toluene-d8		8.71	98	769603	29.62	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.73%	

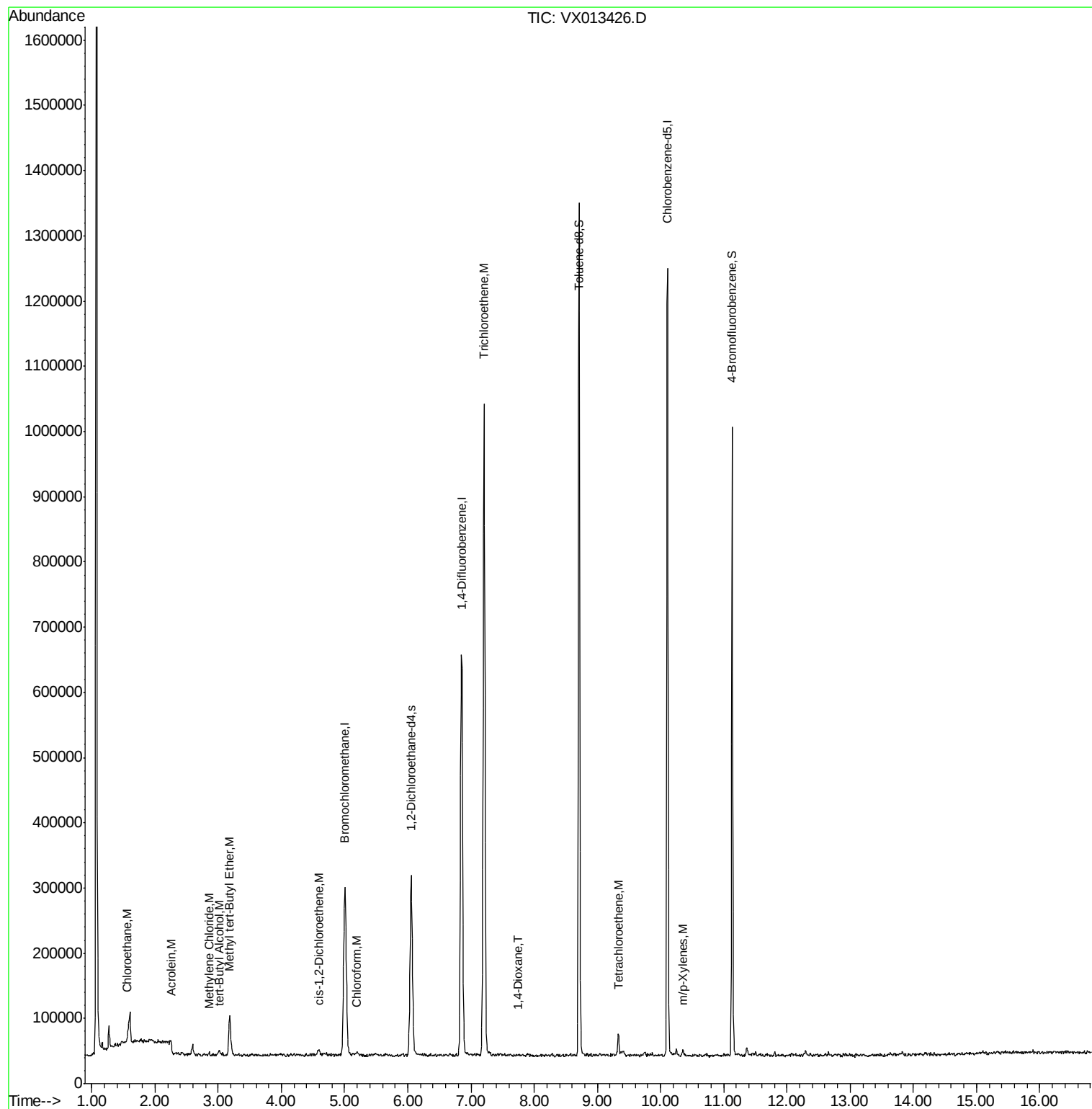
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Chloroethane	1.55	64	1391	0.230	ug/l	95
13) Acrolein	2.25	56	409	0.301	ug/l	96
18) Methylene Chloride	2.84	84	1890	0.228	ug/l #	52
22) cis-1,2-Dichloroethene	4.59	96	7431	0.834	ug/l #	72
23) tert-Butyl Alcohol	3.01	59	4737	2.090	ug/l #	98
24) Methyl tert-Butyl Ether	3.19	73	69113	2.857	ug/l	98
25) Chloroform	5.20	83	6175	0.447	ug/l	85
37) Trichloroethene	7.21	130	398379	49.815	ug/l	98
45) 1,4-Dioxane	7.74	88	353	1.679	ug/l #	73
61) Tetrachloroethene	9.34	164	6821	0.963	ug/l #	84
67) m/p-Xylenes	10.36	106	2791	0.206	ug/l	99

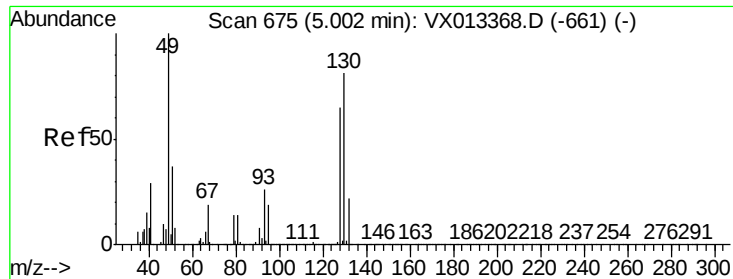
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111419\
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Quant Time: Nov 15 00:58:16 2019
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



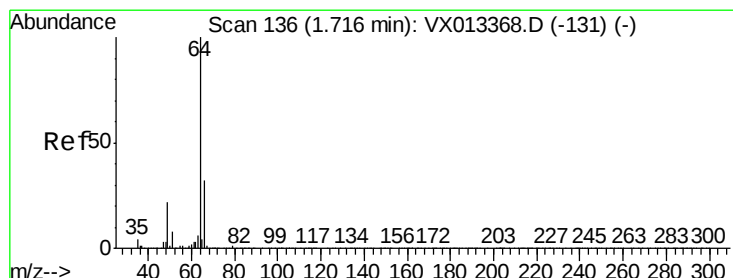
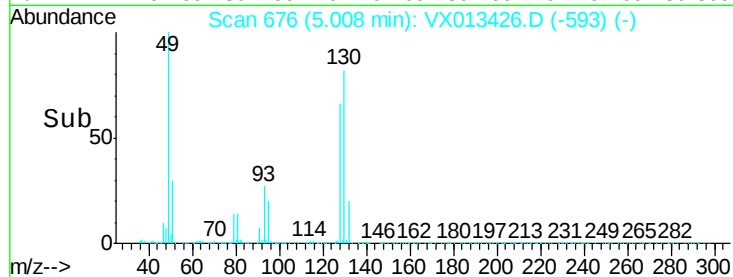
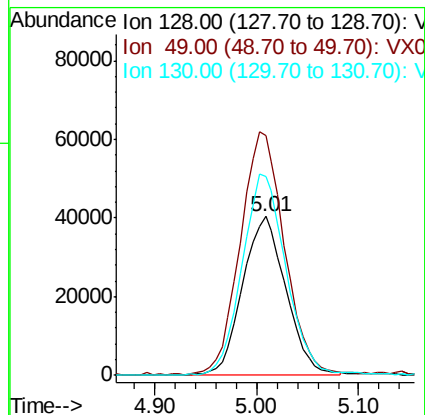
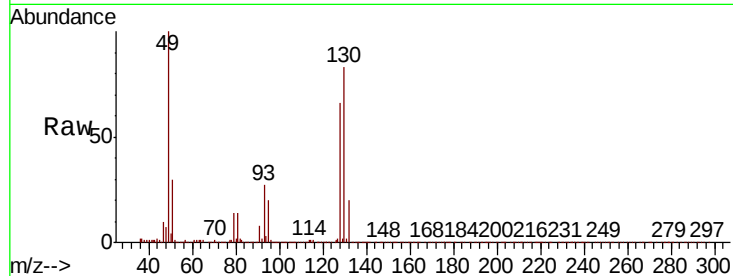


#1

Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.01 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VX013426.D
 Acq: 14 Nov 2019 16:46

Instrument :
 MSVOA_X
 ClientSampleId :

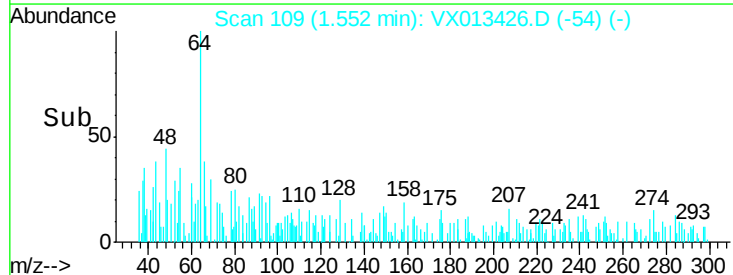
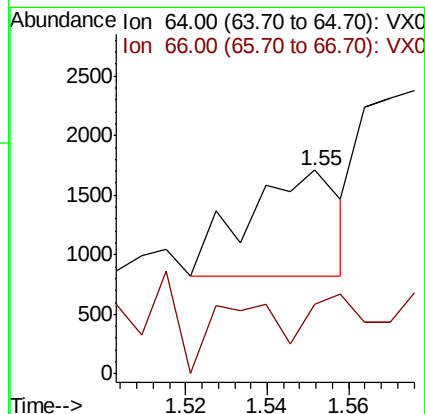
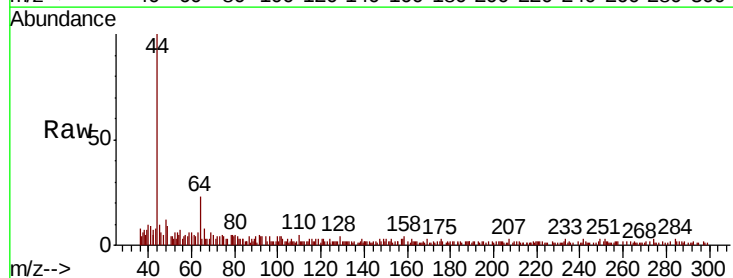
Tot Ion	Ratio	Lower	Upper
128	100		
49	155.8	0.0	388.3
130	127.9	0.0	318.5

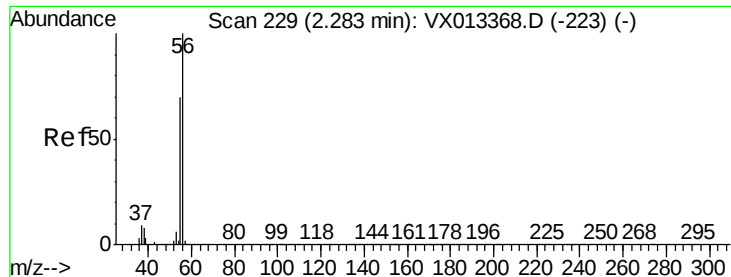


#6

Chloroethane
 Concen: 0.230 ug/l
 RT: 1.55 min Scan# 109
 Delta R.T. -0.16 min
 Lab File: VX013426.D
 Acq: 14 Nov 2019 16:46

Tgt Ion	Ratio	Lower	Upper
64	100		
66	34.4	25.5	38.3

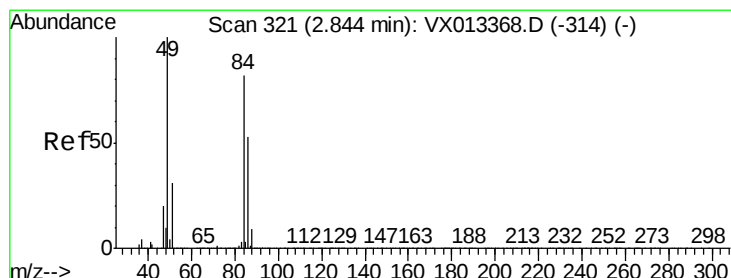
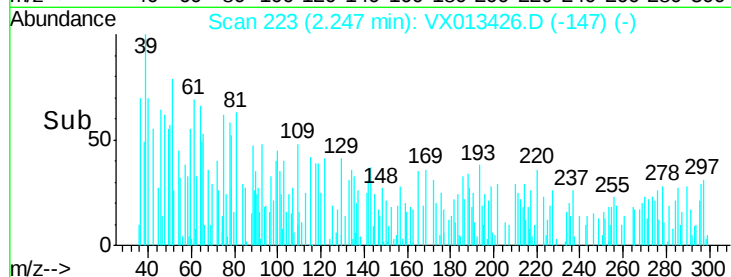
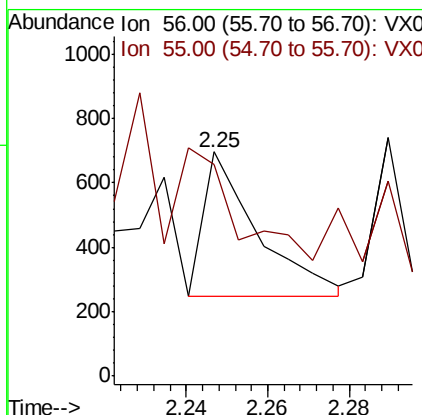
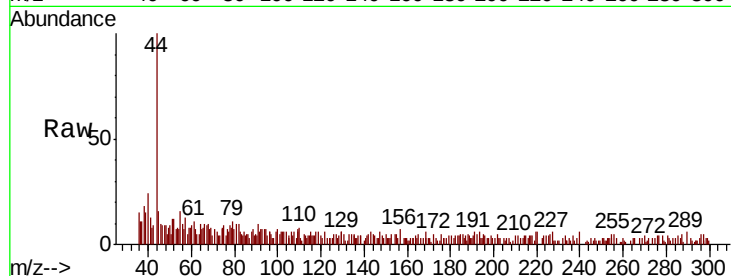




#13
Acrolein
Concen: 0.301 ug/l
RT: 2.25 min Scan# 223
Delta R.T. -0.04 min
Lab File: VX013426.D
Acq: 14 Nov 2019 16:46

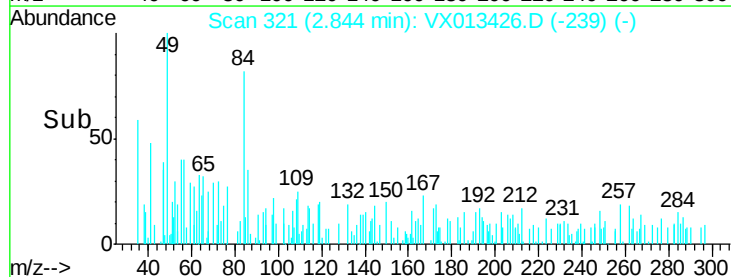
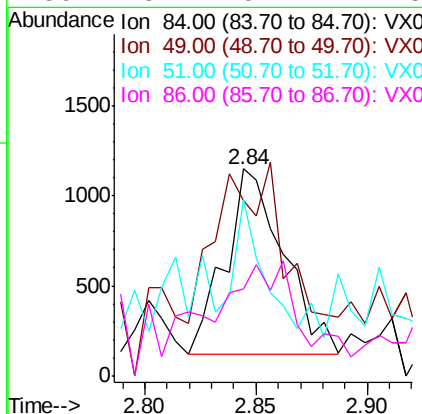
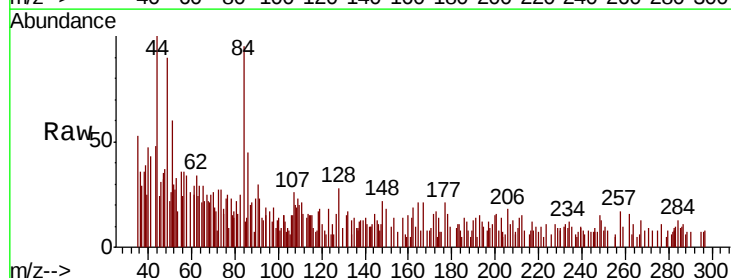
Instrument :
MSVOA_X
ClientSampled :

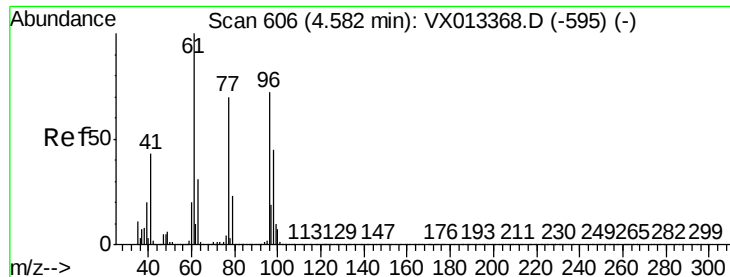
Tot Ion: 56 Resp: 409
Ion Ratio Lower Upper
56 100
55 66.5 55.8 83.8



#18
Methylene Chloride
Concen: 0.228 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013426.D
Acq: 14 Nov 2019 16:46

Tgt Ion: 84 Resp: 1890
Ion Ratio Lower Upper
84 100
49 66.3 96.8 145.2#
51 63.3 30.0 45.0#
86 25.2 51.7 77.5#



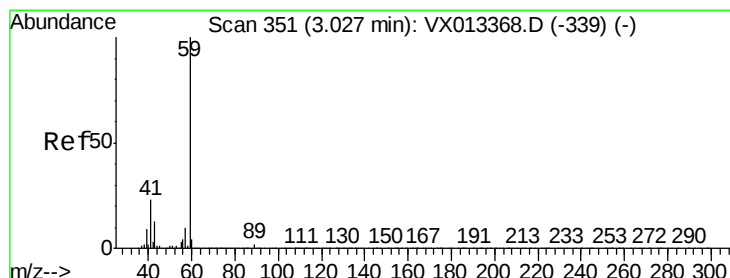
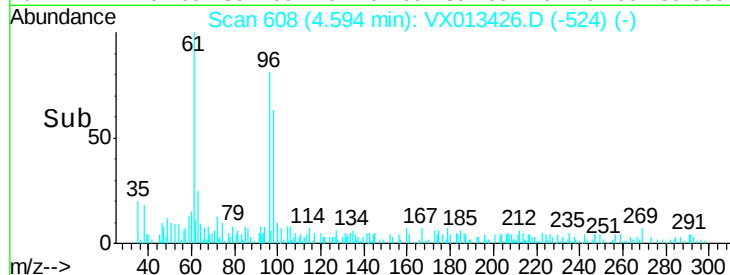
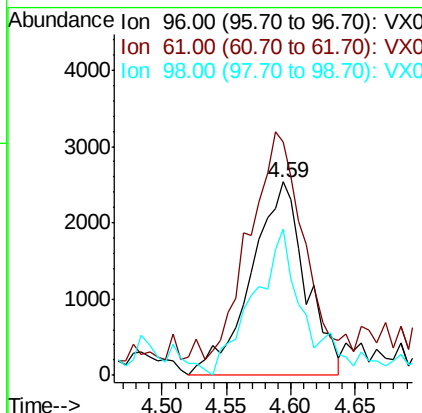
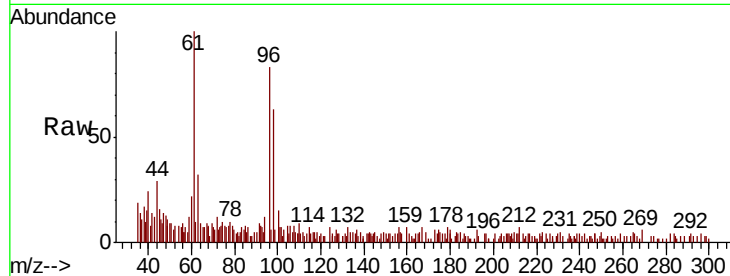


#22

cis-1,2-Dichloroethene
 Concen: 0.834 ug/l
 RT: 4.59 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: VX013426.D
 Acq: 14 Nov 2019 16:46

Instrument :
 MSVOA_X
 ClientSampleId :

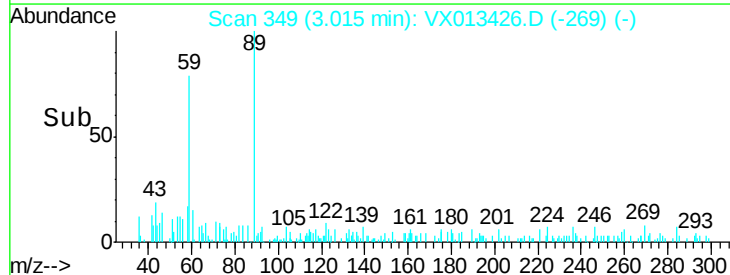
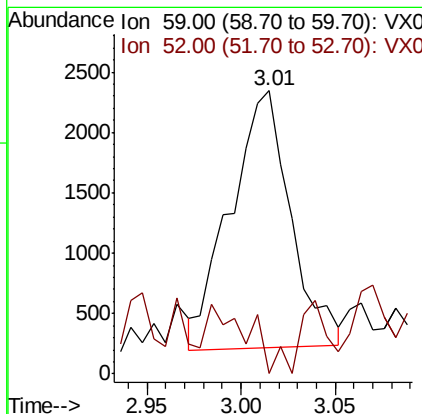
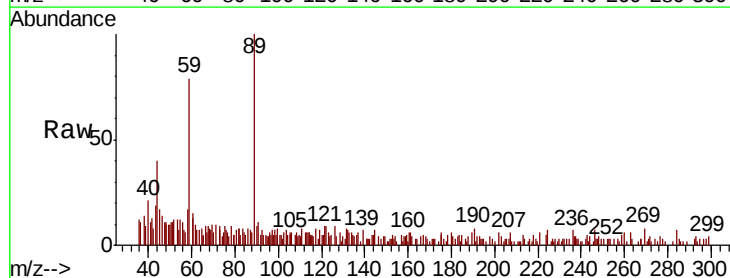
Tot Ion: 96 Resp: 7431
 Ion Ratio Lower Upper
 96 100
 61 119.0 117.0 175.6
 98 31.9 51.1 76.7#

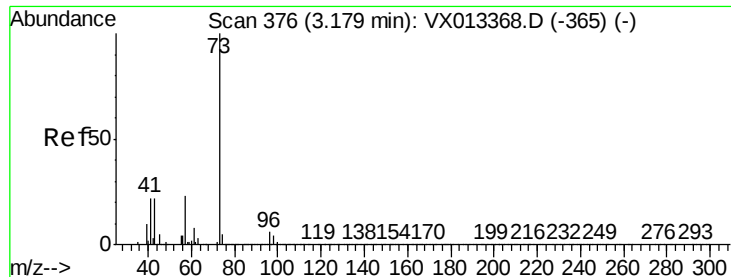


#23

tert-Butyl Alcohol
 Concen: 2.090 ug/l
 RT: 3.01 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VX013426.D
 Acq: 14 Nov 2019 16:46

Tgt Ion: 59 Resp: 4737
 Ion Ratio Lower Upper
 59 100
 52 3.8 0.1 0.1#

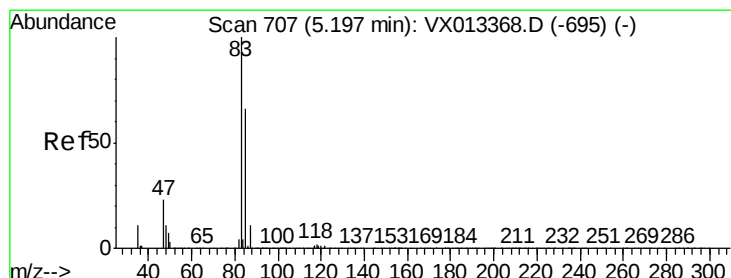
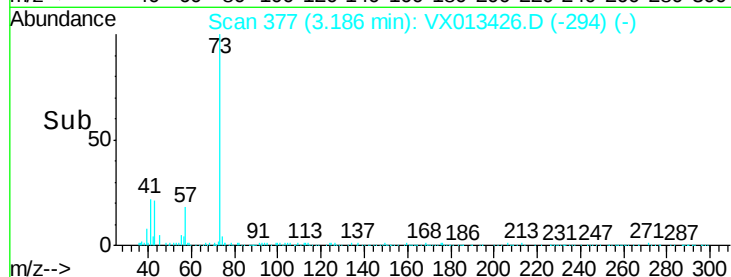
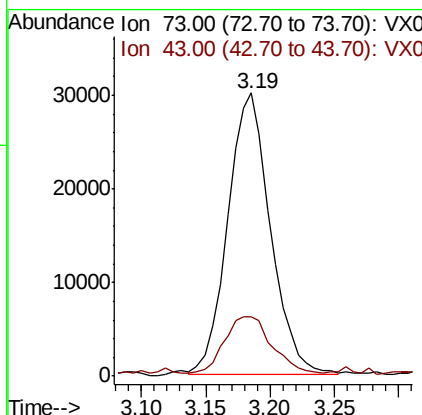
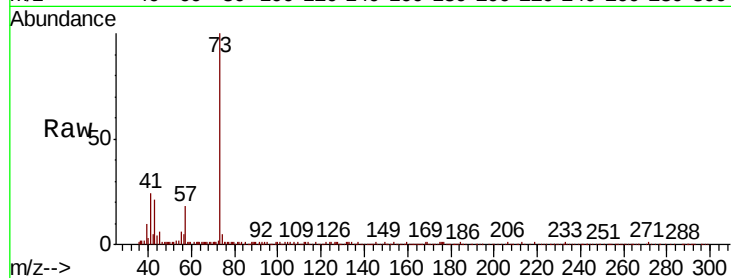




#24
Methvl tert-Butvl Ether
Concen: 2.857 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX013426.D
Acq: 14 Nov 2019 16:46

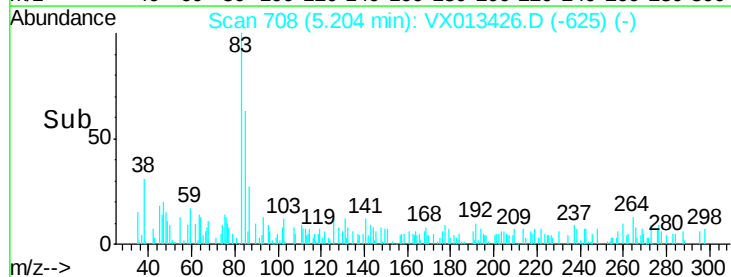
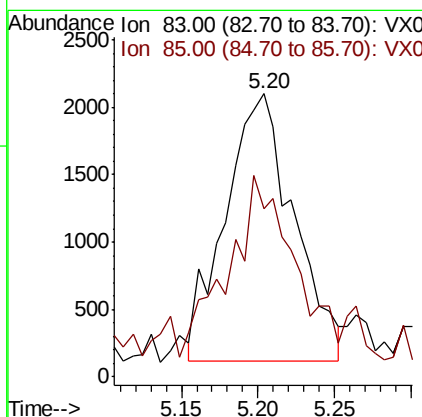
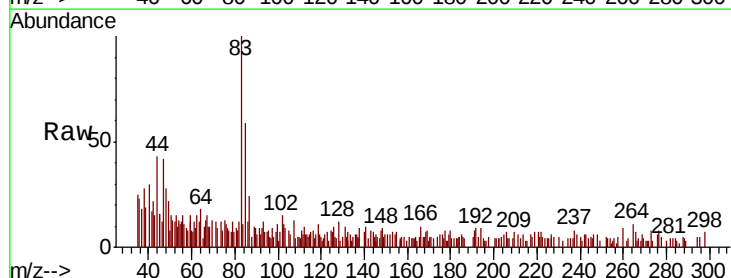
Instrument :
MSVOA_X
ClientSampleId :

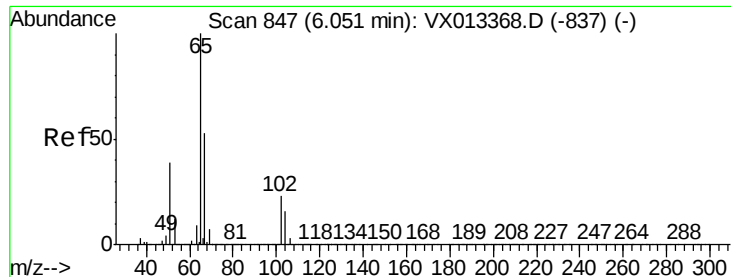
Tot Ion: 73 Resp: 69113
Ion Ratio Lower Upper
73 100
43 22.4 17.0 25.6



#25
Chloroform
Concen: 0.447 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX013426.D
Acq: 14 Nov 2019 16:46

Tgt Ion: 83 Resp: 6175
Ion Ratio Lower Upper
83 100
85 53.5 52.4 78.6

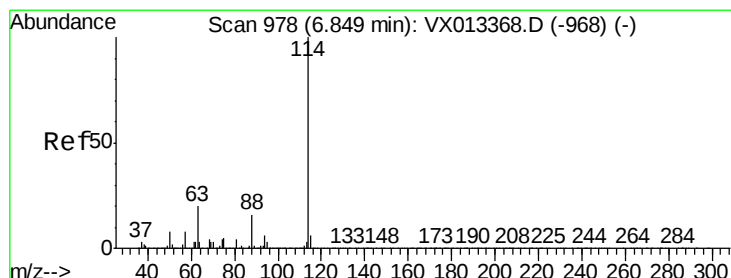
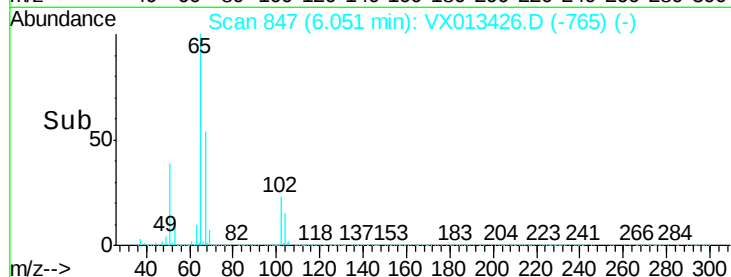
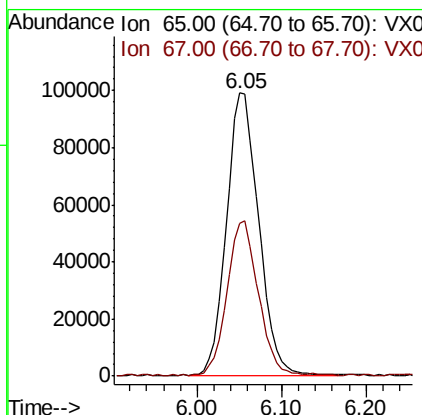
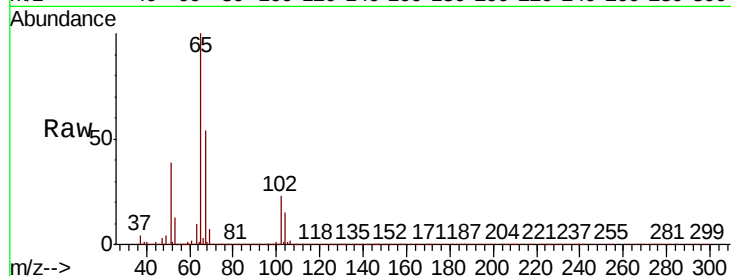




#27
 1,2-Dichloroethane-d4
 Concen: 29.416 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013426.D
 Acq: 14 Nov 2019 16:46

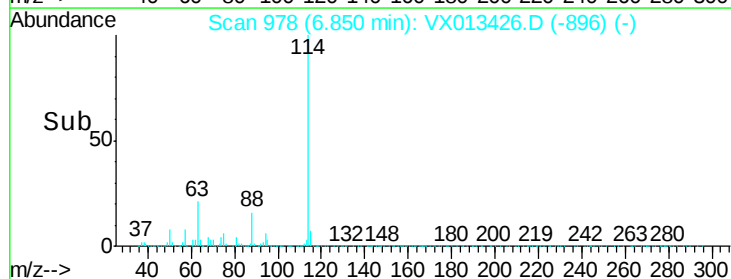
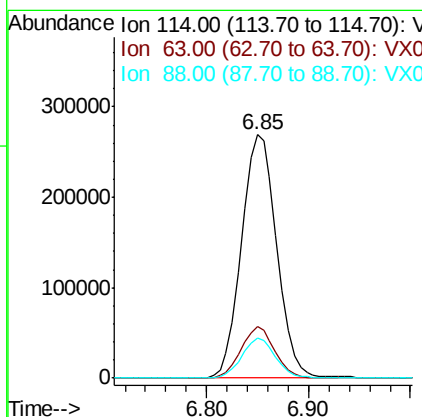
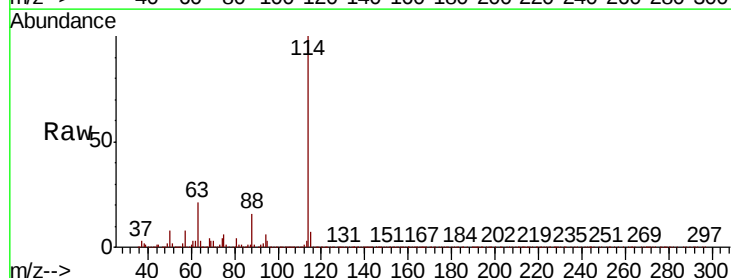
Instrument :
 MSVOA_X
 ClientSampleId :

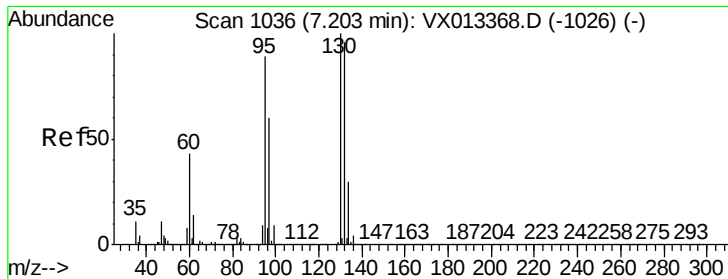
Tot Ion: 65 Resp: 257109
 Ion Ratio Lower Upper
 65 100
 67 53.2 41.0 61.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013426.D
 Acq: 14 Nov 2019 16:46

Tgt Ion: 114 Resp: 644339
 Ion Ratio Lower Upper
 114 100
 63 20.0 16.1 24.1
 88 15.8 12.3 18.5





#37

Trichloroethene

Concen: 49.815 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013426.D

Acq: 14 Nov 2019 16:46

Instrument :

MSVOA_X

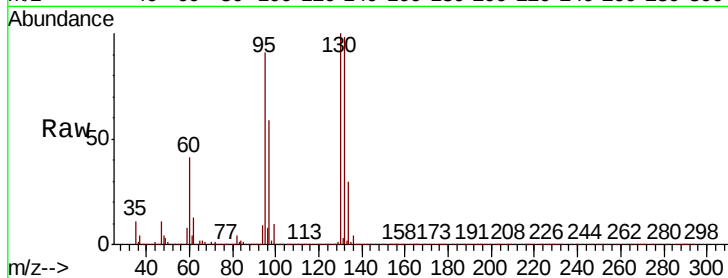
ClientSampled :

Tot Ion:130 Resp: 398379

Ion Ratio Lower Upper

130 100

95 91.2 71.3 106.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

200000

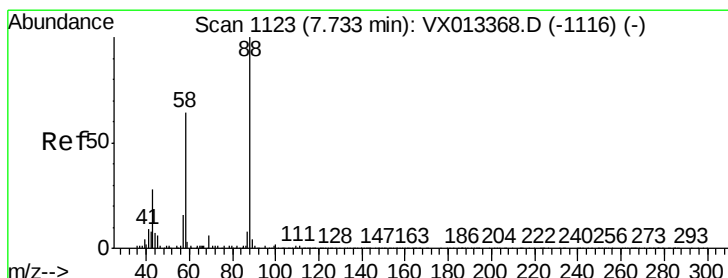
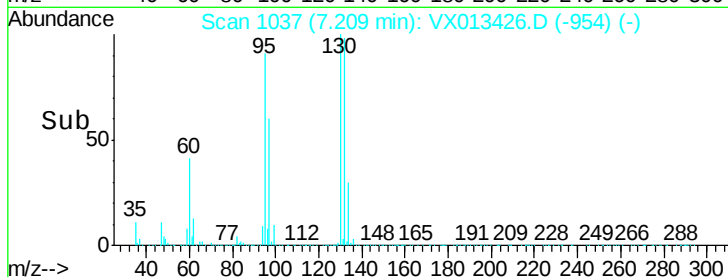
150000

100000

50000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#45

1,4-Dioxane

Concen: 1.679 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013426.D

Acq: 14 Nov 2019 16:46

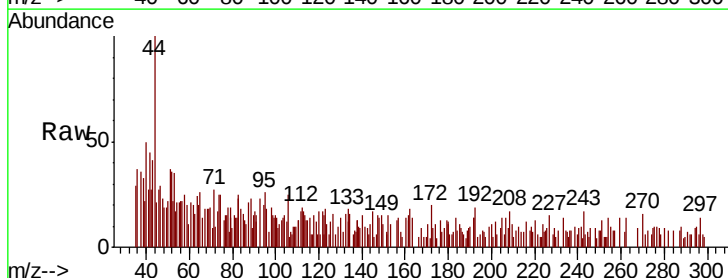
Tgt Ion: 88 Resp: 353

Ion Ratio Lower Upper

88 100

43 54.1 26.1 39.1#

58 52.4 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

1000

800

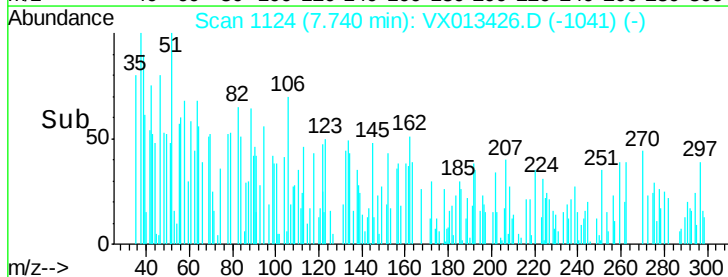
600

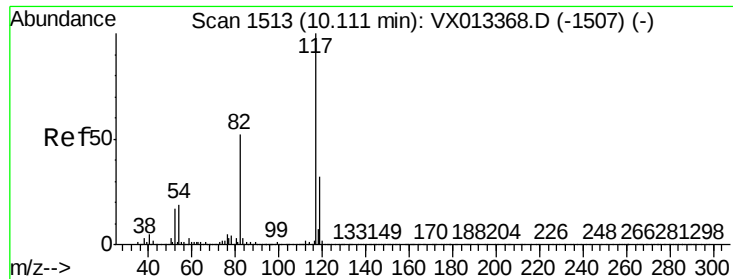
400

200

0

Time--> 7.70 7.72 7.74

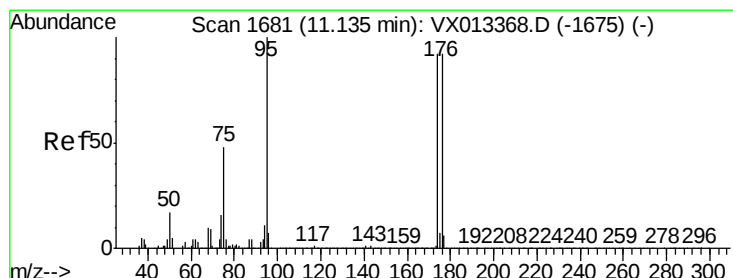
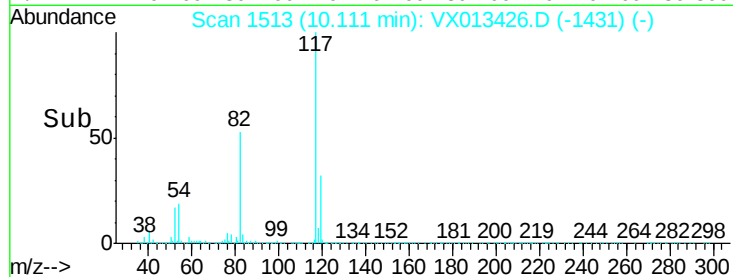
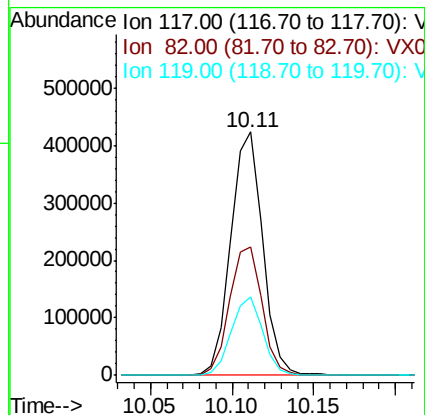
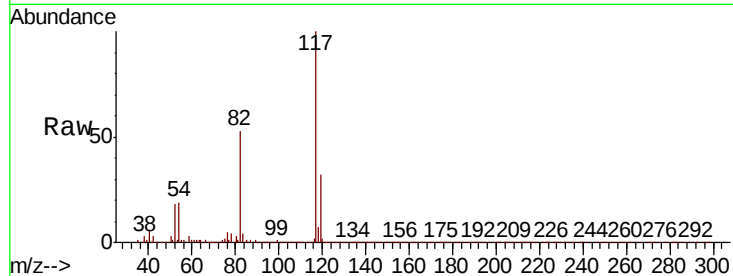




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013426.D
Acq: 14 Nov 2019 16:46

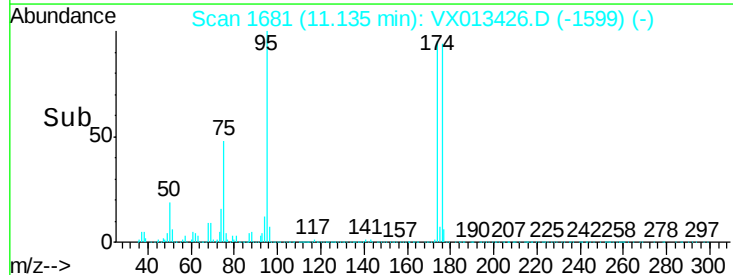
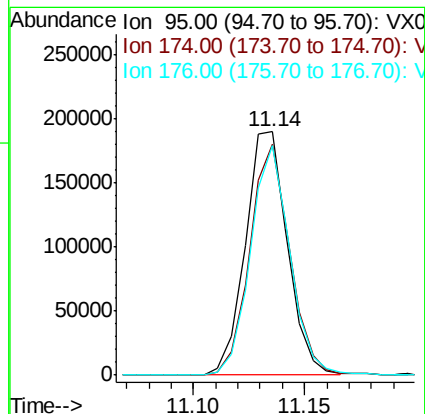
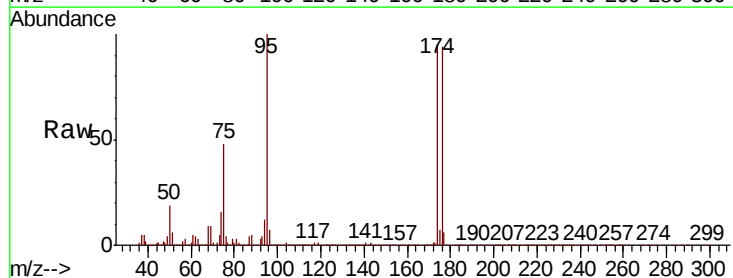
Instrument :
MSVOA_X
ClientSampleId :

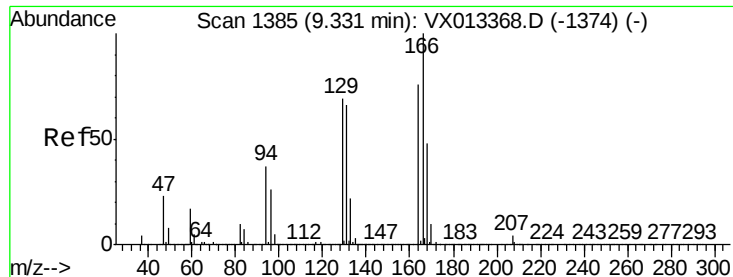
Tot Ion:117 Resp: 574613
Ion Ratio Lower Upper
117 100
82 54.0 43.7 65.5
119 32.0 25.5 38.3



#60
4-Bromofluorobenzene
Concen: 27.104 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013426.D
Acq: 14 Nov 2019 16:46

Tgt Ion: 95 Resp: 250321
Ion Ratio Lower Upper
95 100
174 90.2 70.2 105.2
176 88.1 68.3 102.5





#61

Tetrachloroethene

Concen: 0.963 ug/l

RT: 9.34 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VX013426.D

Acq: 14 Nov 2019 16:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 6821

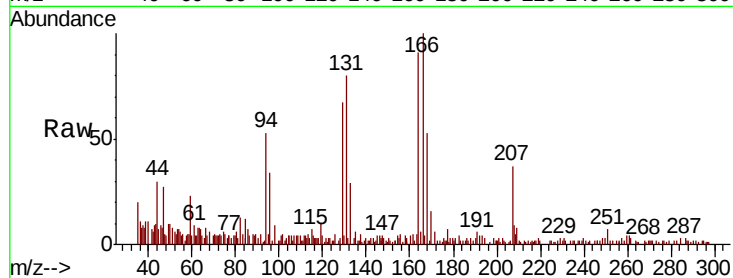
Ion Ratio Lower Upper

164 100

166 105.8 104.9 157.3

129 70.1 72.3 108.5#

131 86.6 69.0 103.6

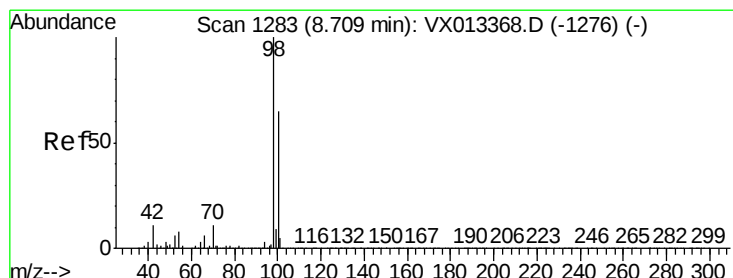
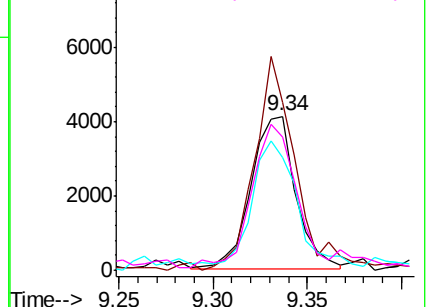
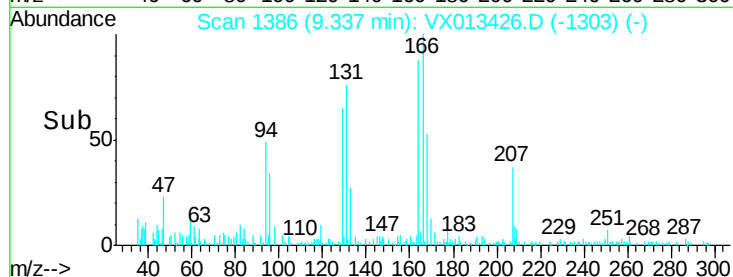


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#63

Toluene-d8

Concen: 29.618 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013426.D

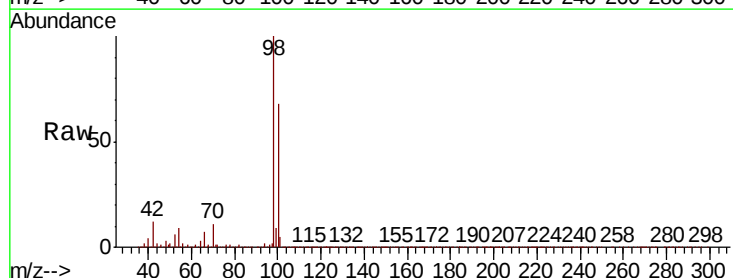
Acq: 14 Nov 2019 16:46

Tgt Ion: 98 Resp: 769603

Ion Ratio Lower Upper

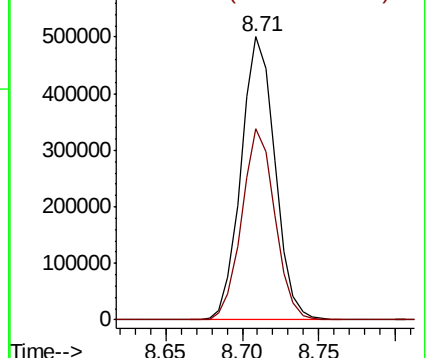
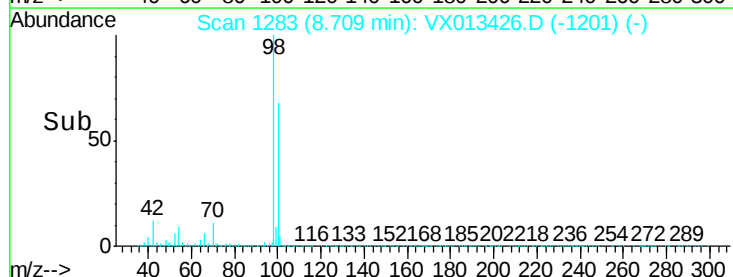
98 100

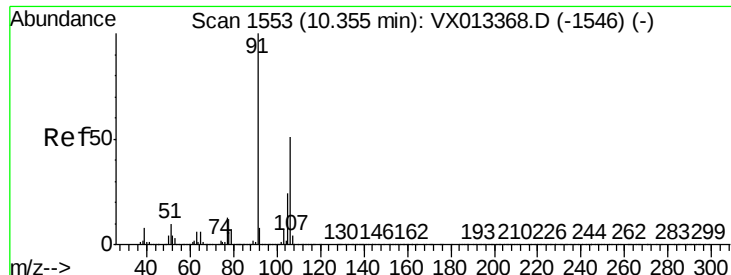
100 66.1 52.5 78.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#67
 m/p-Xvlenes
 Concen: 0.206 ug/l
 RT: 10.36 min Scan# 1553
 Delta R.T. 0.00 min
 Lab File: VX013426.D
 Acq: 14 Nov 2019 16:46

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:106 Resp: 2791
 Ion Ratio Lower Upper
 106 100
 91 199.0 158.4 237.6

