

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 Data File : VX013997.D
 Acq On : 13 Dec 2019 02:03
 Operator : JC/SP
 Sample : VX1212WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBL02

Quant Time: Dec 13 04:40:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	92644	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	496897	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	430945	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	194765	29.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.83%	
60) 4-Bromofluorobenzene		11.14	95	188591	27.10	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.33%	
63) Toluene-d8		8.71	98	589148	30.58	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.93%	

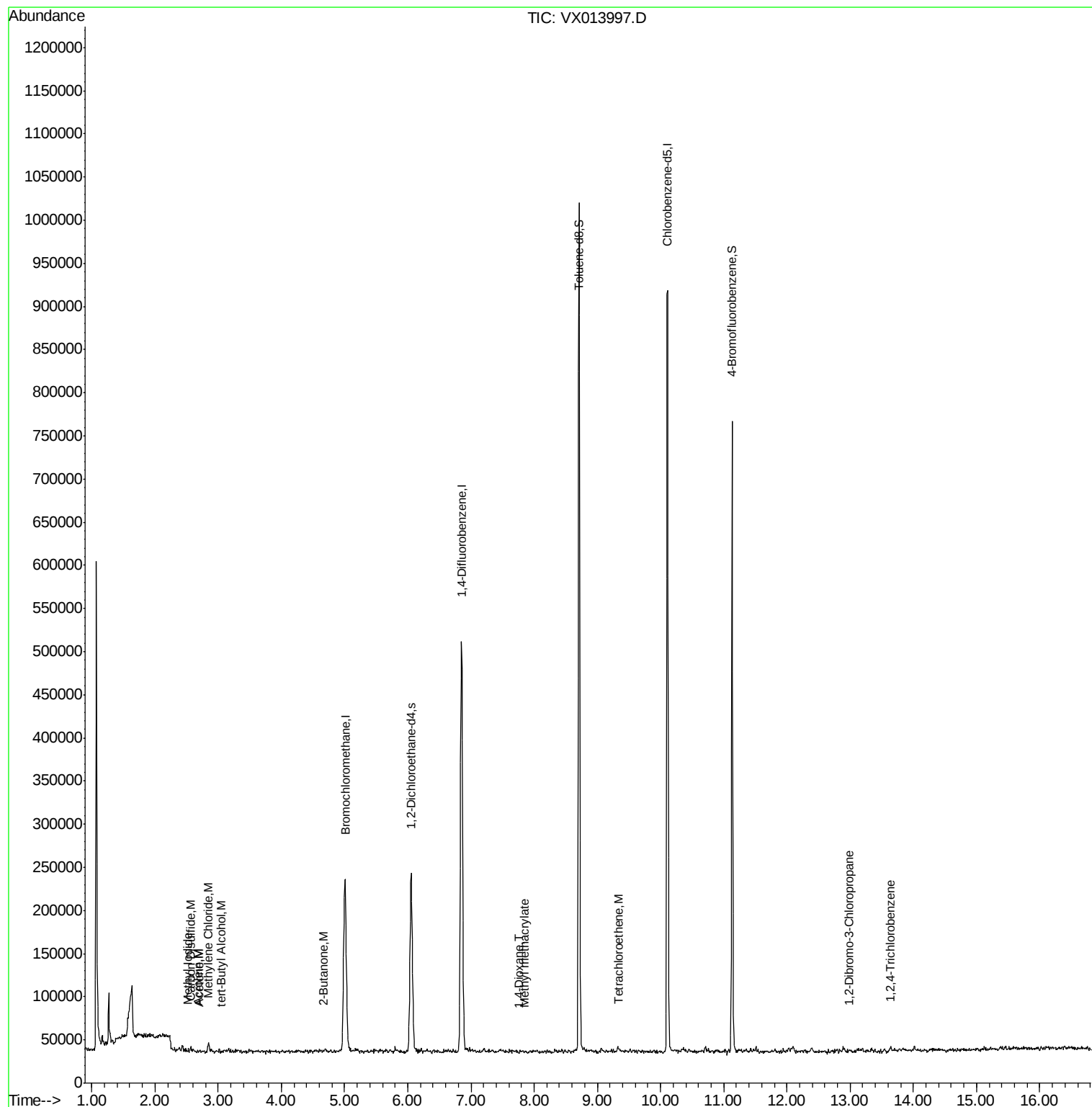
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) Methyl Iodide	2.51	142	1745	0.261	ug/l #	55
13) Acrolein	2.69	56	328	0.337	ug/l	92
15) Acetone	2.69	58	338	0.366	ug/l	97
16) Carbon Disulfide	2.56	76	5987	0.426	ug/l	99
18) Methylene Chloride	2.84	84	4769	0.750	ug/l #	80
23) tert-Butyl Alcohol	3.05	59	663	0.538	ug/l #	100
30) 2-Butanone	4.67	43	917	0.217	ug/l #	30
45) 1,4-Dioxane	7.75	88	387	3.040	ug/l #	75
46) Methyl methacrylate	7.84	41	1539	0.233	ug/l	93
61) Tetrachloroethene	9.34	164	1150	0.202	ug/l #	36
88) 1,2-Dibromo-3-Chloropropan	12.99	75	580	0.334	ug/l #	8
89) 1,2,4-Trichlorobenzene	13.64	180	1520	0.205	ug/l #	65

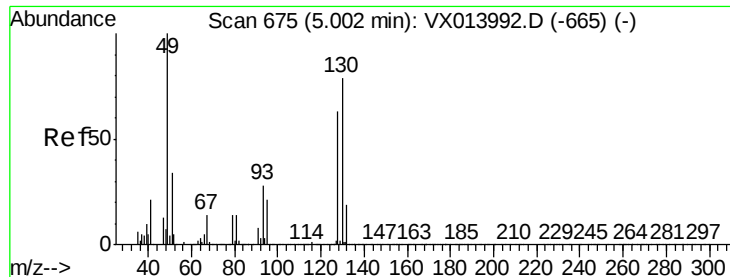
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121219\
Data File : VX013997.D
Acq On : 13 Dec 2019 02:03
Operator : JC/SP
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
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Quant Time: Dec 13 04:40:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 13 01:35:34 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: VX013997.D

Acq: 13 Dec 2019 02:03

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBL02

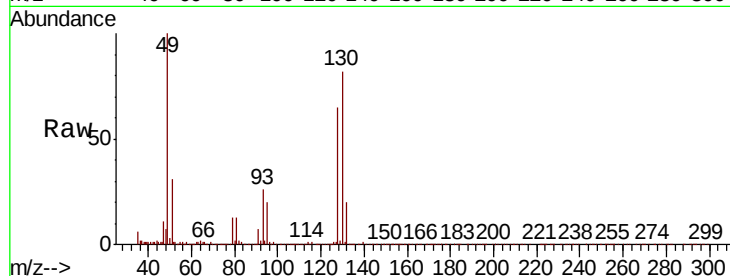
Tot Ion:128 Resp: 92644

Ion Ratio Lower Upper

128 100

49 158.6 0.0 405.0

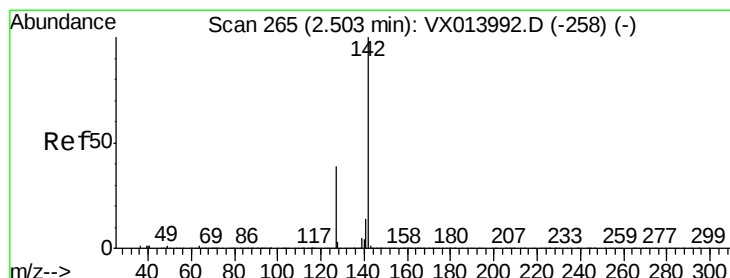
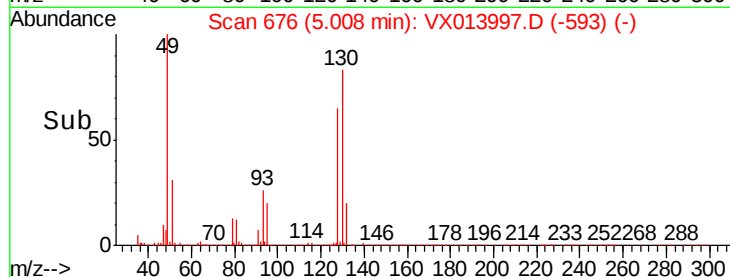
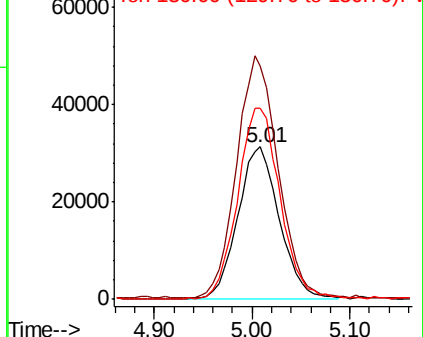
130 127.6 0.0 321.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#11

Methyl Iodide

Concen: 0.261 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX013997.D

Acq: 13 Dec 2019 02:03

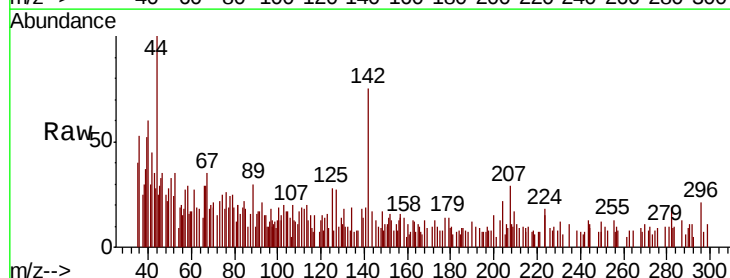
Tgt Ion:142 Resp: 1745

Ion Ratio Lower Upper

142 100

127 9.0 19.5 58.5#

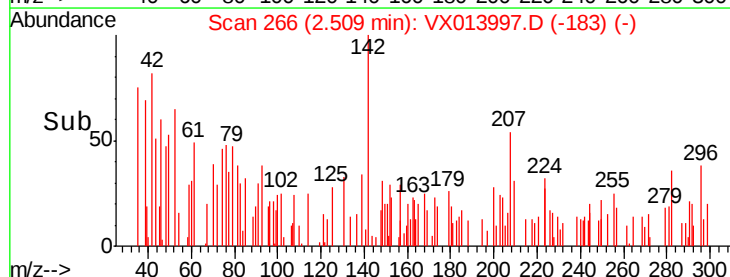
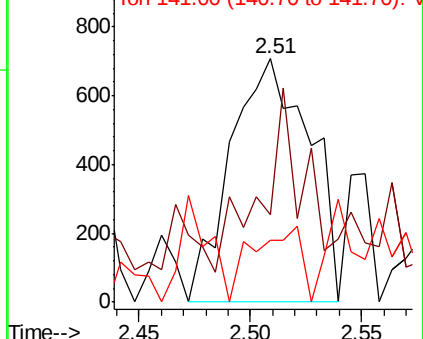
141 0.0 7.0 20.9#

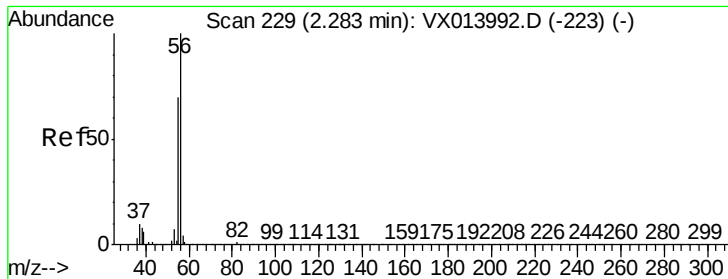


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

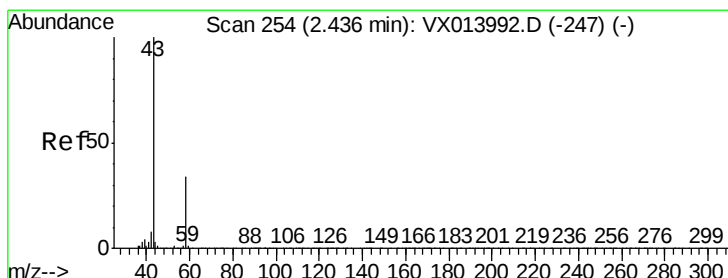
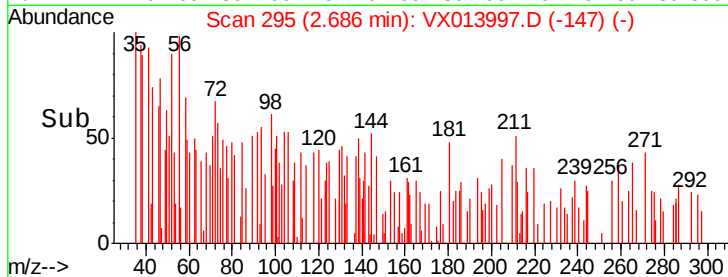
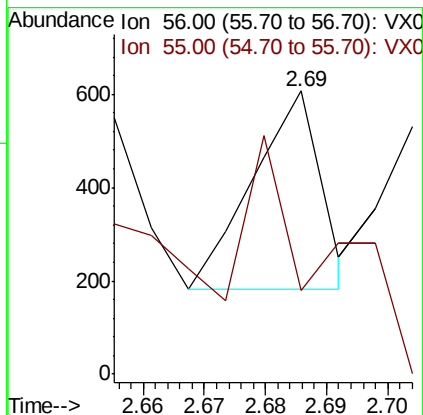
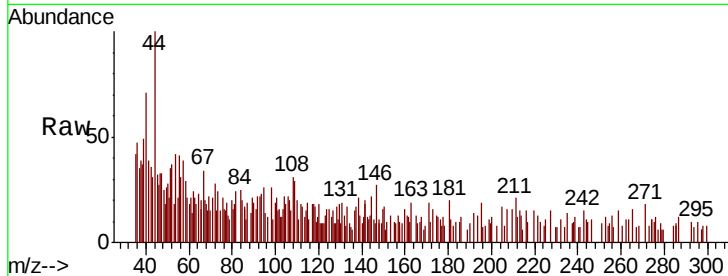




#13
Acrolein
Concen: 0.337 ug/l
RT: 2.69 min Scan# 295
Delta R.T. 0.40 min
Lab File: VX013997.D
Acq: 13 Dec 2019 02:03

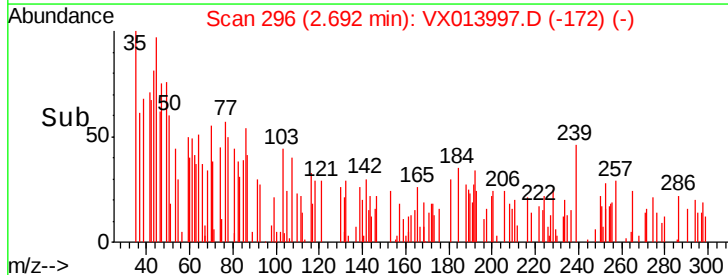
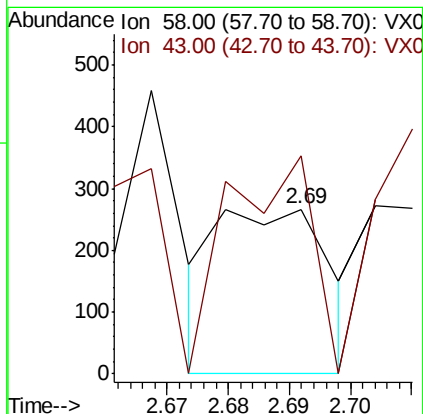
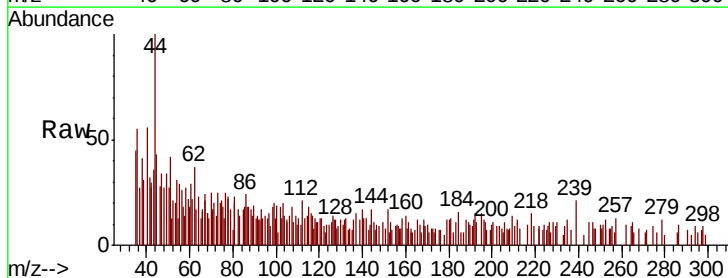
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBL02

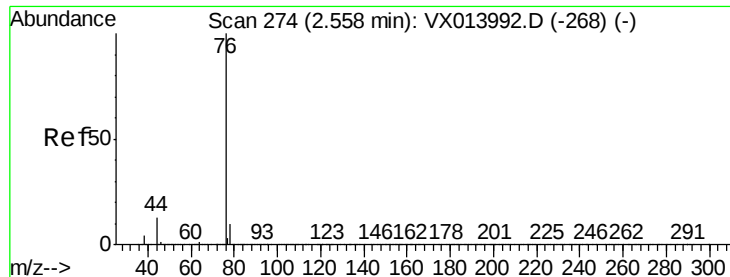
Tot Ion: 56 Resp: 328
Ion Ratio Lower Upper
56 100
55 62.5 54.9 82.3



#15
Acetone
Concen: 0.366 ug/l
RT: 2.69 min Scan# 296
Delta R.T. 0.26 min
Lab File: VX013997.D
Acq: 13 Dec 2019 02:03

Tgt Ion: 58 Resp: 338
Ion Ratio Lower Upper
58 100
43 301.7 236.3 354.5

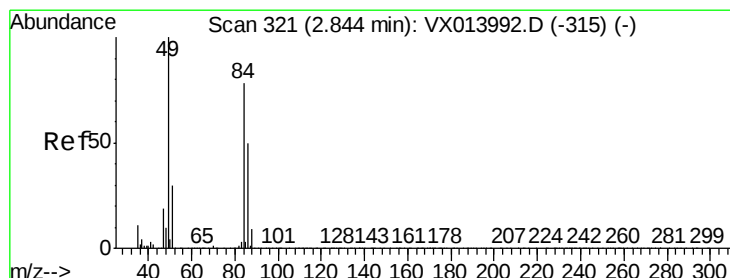
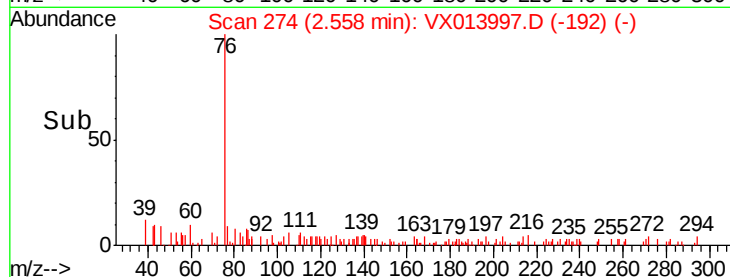
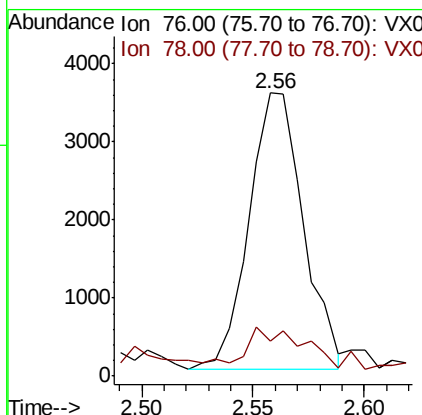
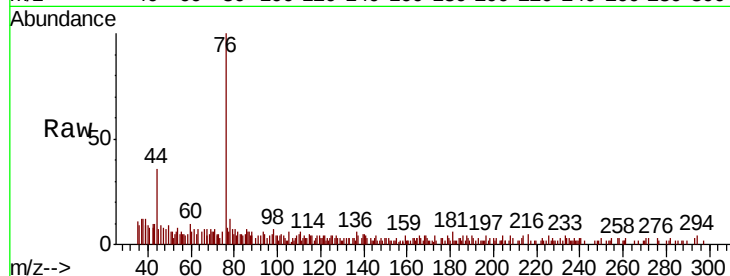




#16
Carbon Disulfide
Concen: 0.426 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX013997.D
Acq: 13 Dec 2019 02:03

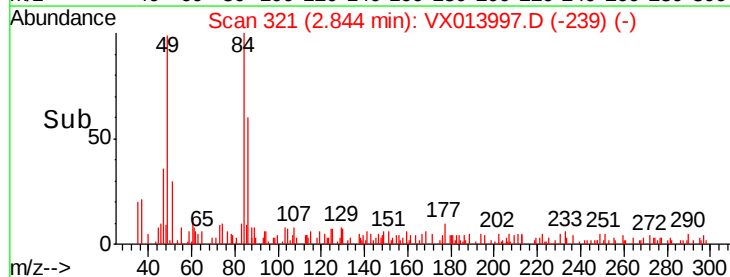
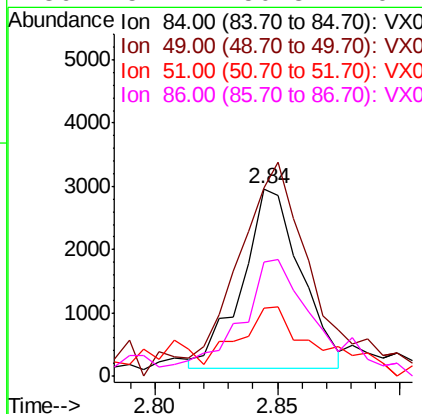
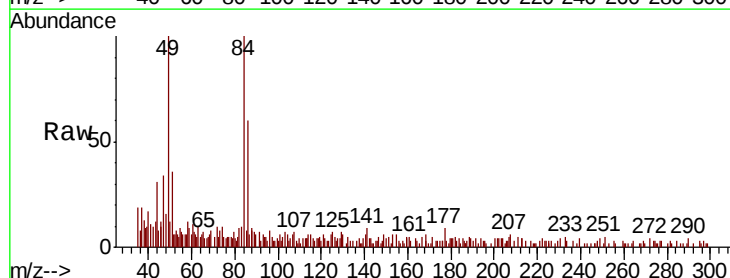
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBL02

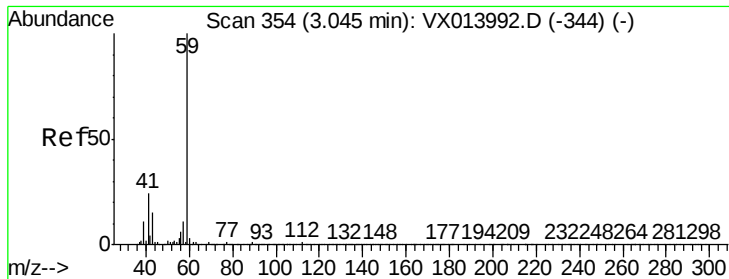
Tot Ion: 76 Resp: 5987
Ion Ratio Lower Upper
76 100
78 9.5 7.8 11.8



#18
Methylene Chloride
Concen: 0.750 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013997.D
Acq: 13 Dec 2019 02:03

Tgt Ion: 84 Resp: 4769
Ion Ratio Lower Upper
84 100
49 98.9 102.2 153.2#
51 23.3 31.4 47.0#
86 57.4 50.8 76.2



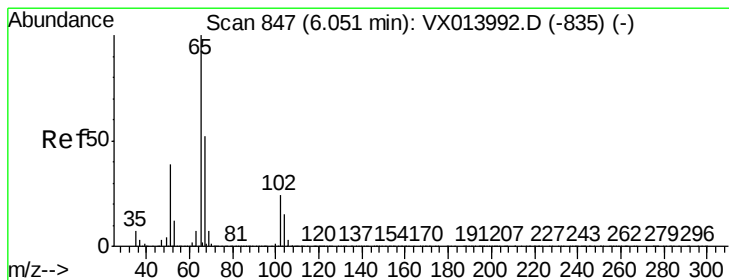
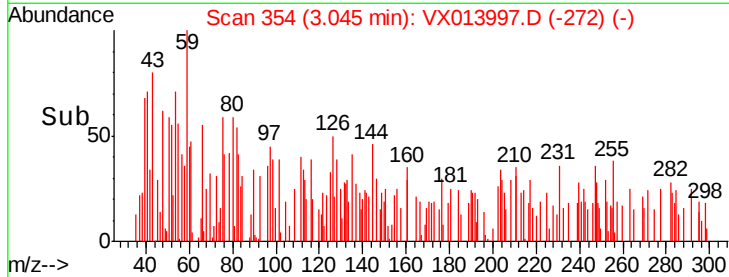
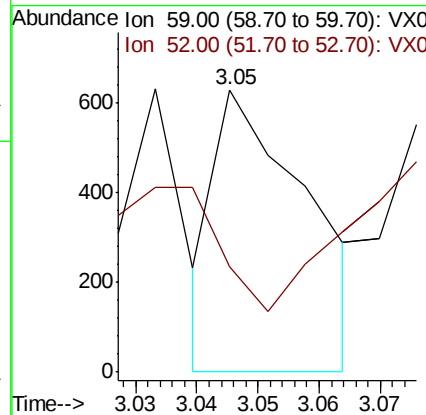
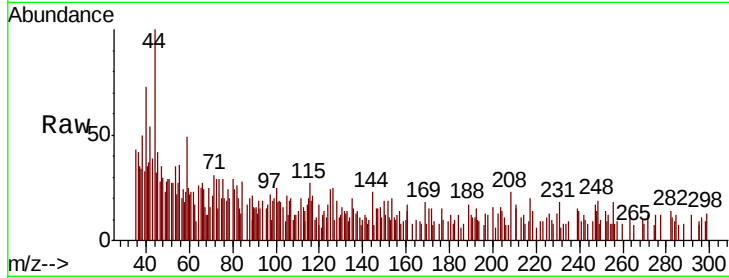


#23

tert-Butyl Alcohol
 Concen: 0.538 ug/l
 RT: 3.05 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VX013997.D
 Acq: 13 Dec 2019 02:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBL02

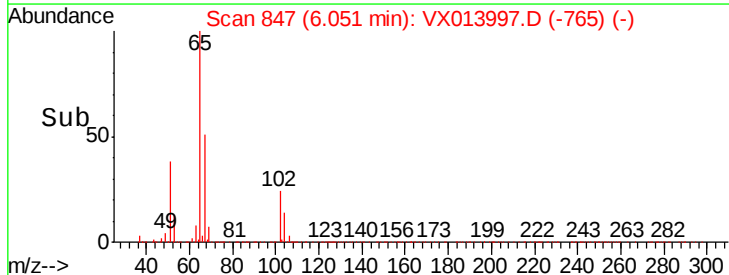
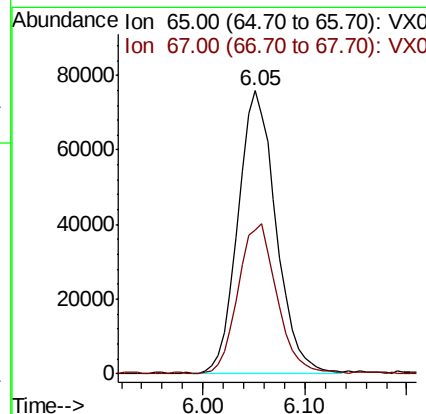
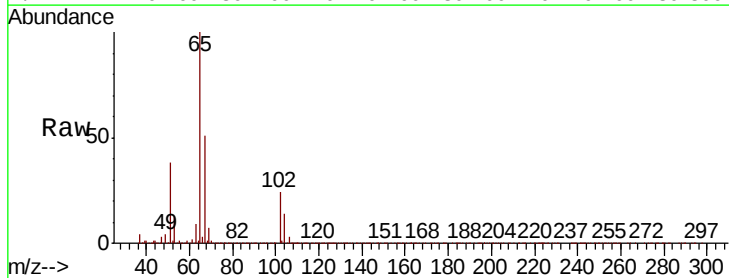
Tot Ion: 59 Resp: 663
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.2 0.2#

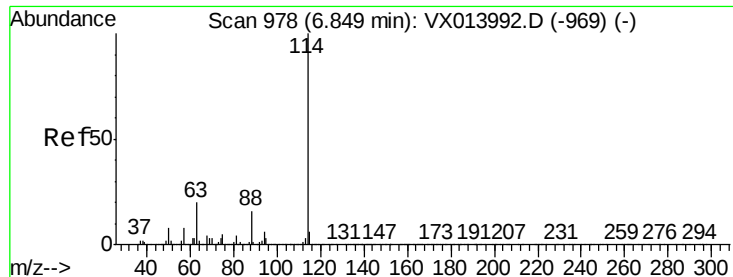


#27

1,2-Dichloroethane-d4
 Concen: 29.355 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013997.D
 Acq: 13 Dec 2019 02:03

Tgt Ion: 65 Resp: 194765
 Ion Ratio Lower Upper
 65 100
 67 53.8 43.1 64.7





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013997.D

Acq: 13 Dec 2019 02:03

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBL02

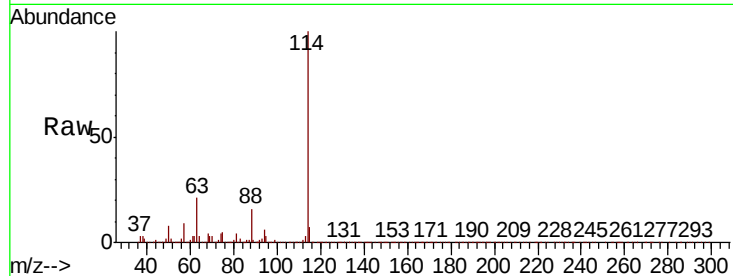
Tot Ion:114 Resp: 496897

Ion Ratio Lower Upper

114 100

63 20.2 16.1 24.1

88 15.7 12.5 18.7



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

250000

200000

150000

100000

50000

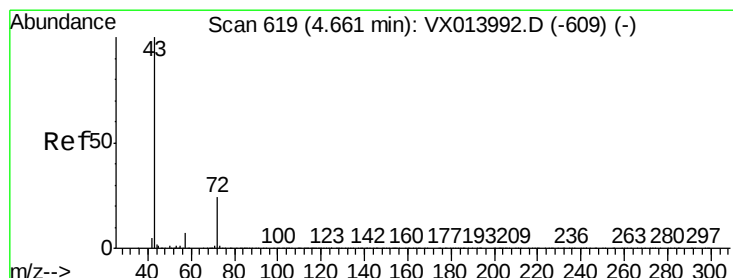
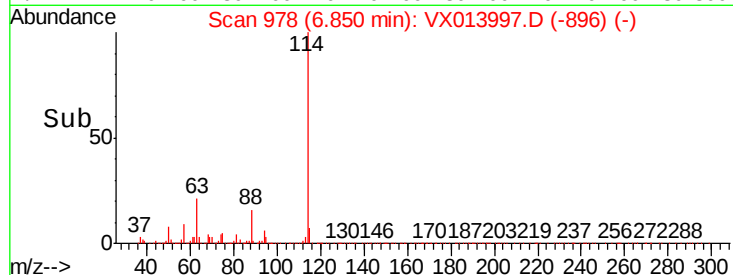
0

6.80

6.85

6.90

Time-->



#30

2-Butanone

Concen: 0.217 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX013997.D

Acq: 13 Dec 2019 02:03

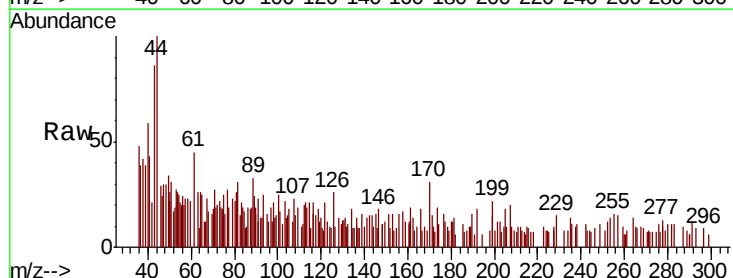
Tgt Ion: 43 Resp: 917

Ion Ratio Lower Upper

43 100

57 11.3 6.2 9.2#

72 69.6 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

1000

800

600

400

200

0

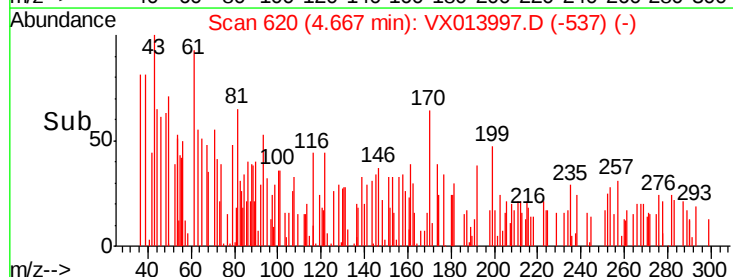
4.64

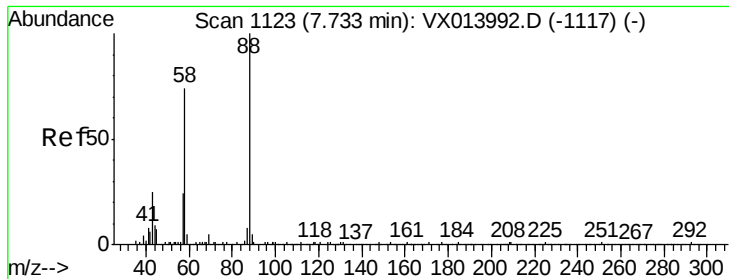
4.66

4.67

4.68

Time-->





#45

1,4-Dioxane

Concen: 3.040 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX013997.D

Acq: 13 Dec 2019 02:03

Instrument :

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ClientSampleId :

VX1212WBL02

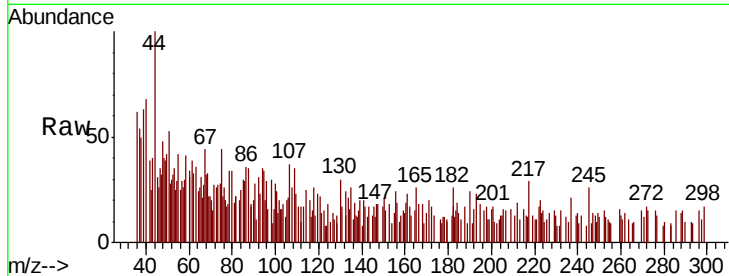
Tot Ion: 88 Resp: 387

Ion Ratio Lower Upper

88 100

43 0.0 25.4 38.2#

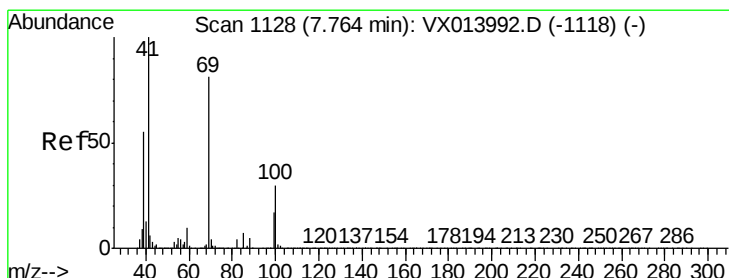
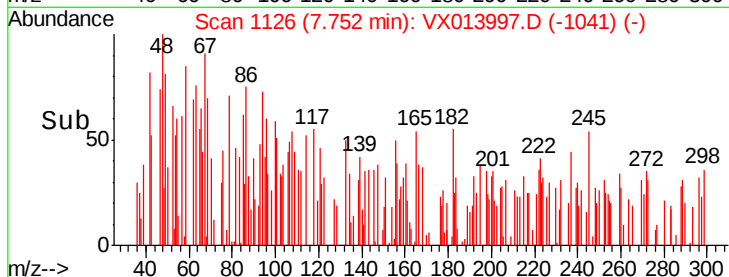
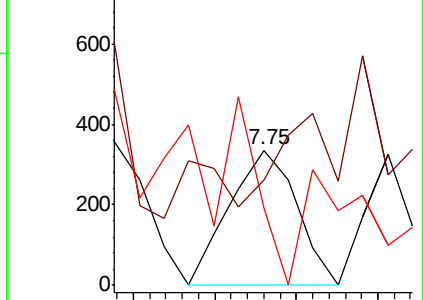
58 62.5 56.5 84.7



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



#46

Methyl methacrylate

Concen: 0.233 ug/l

RT: 7.84 min Scan# 1141

Delta R.T. 0.08 min

Lab File: VX013997.D

Acq: 13 Dec 2019 02:03

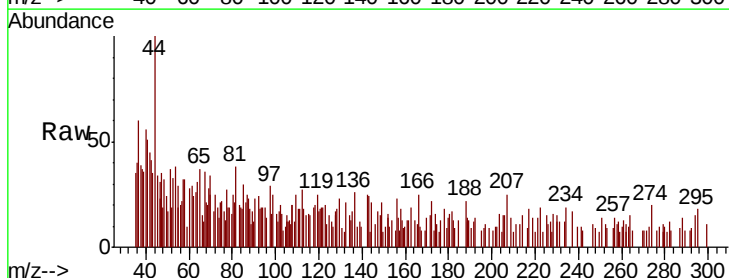
Tgt Ion: 41 Resp: 1539

Ion Ratio Lower Upper

41 100

69 73.4 40.6 122.0

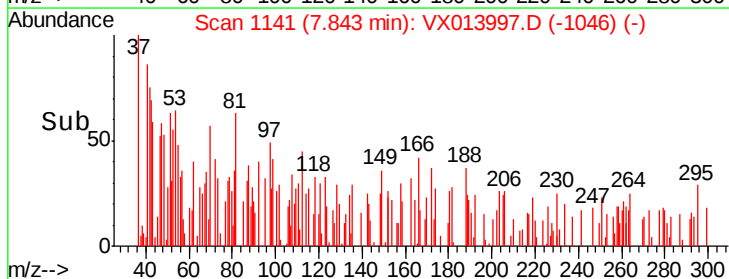
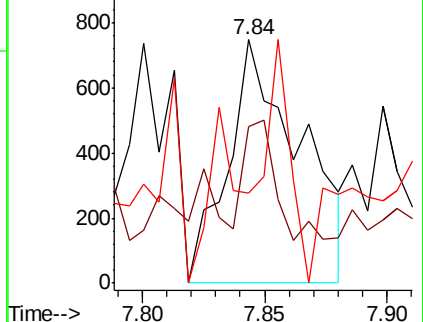
39 59.1 27.8 83.3

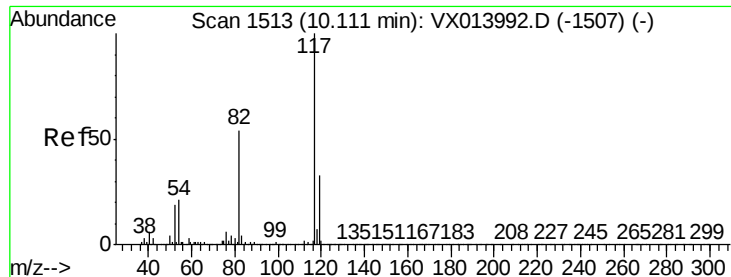


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

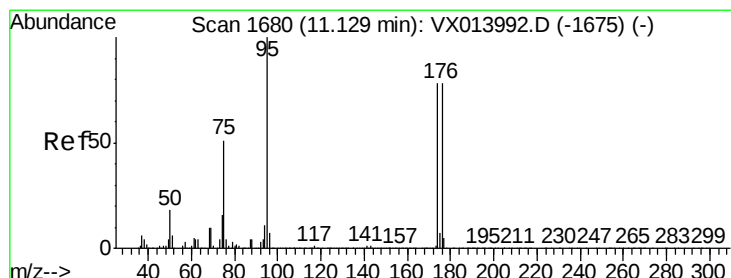
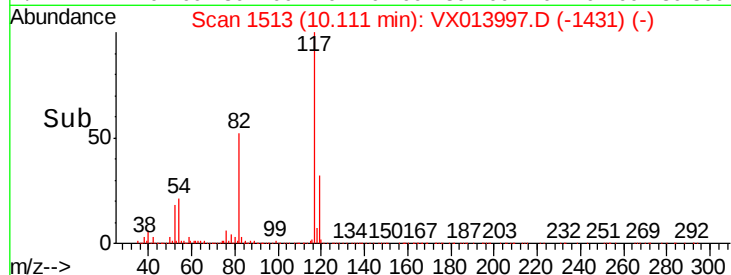
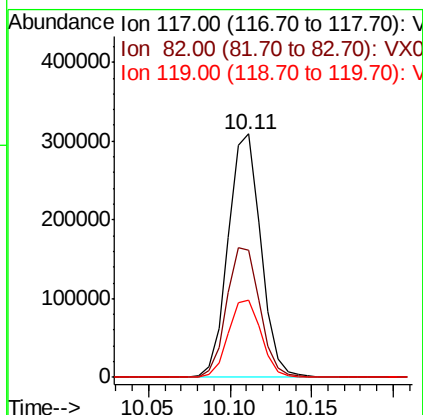
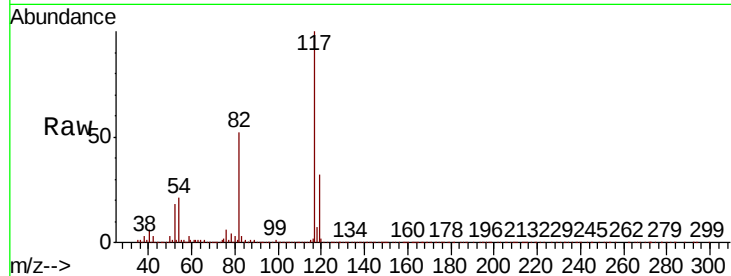




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013997.D
Acq: 13 Dec 2019 02:03

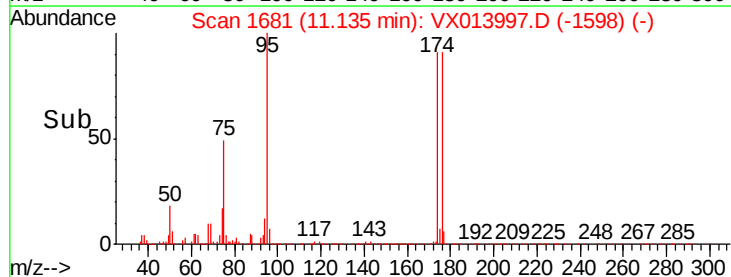
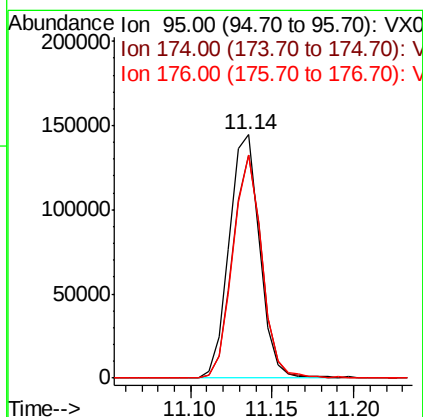
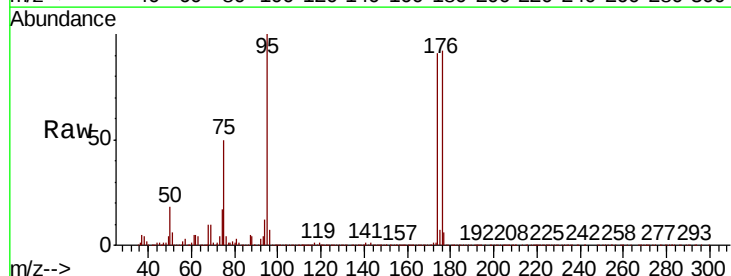
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBL02

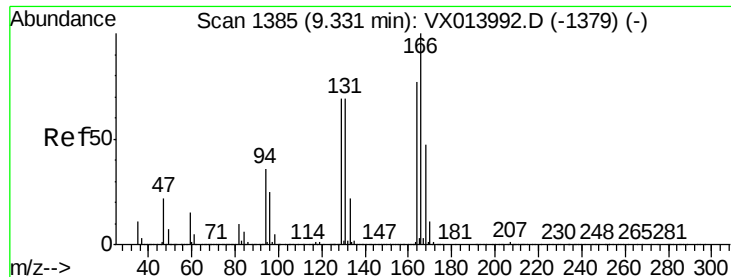
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	43.8	65.6
119	31.8	25.8	38.6



#60
4-Bromofluorobenzene
Concen: 27.101 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013997.D
Acq: 13 Dec 2019 02:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.7	70.2	105.2
176	86.6	68.3	102.5

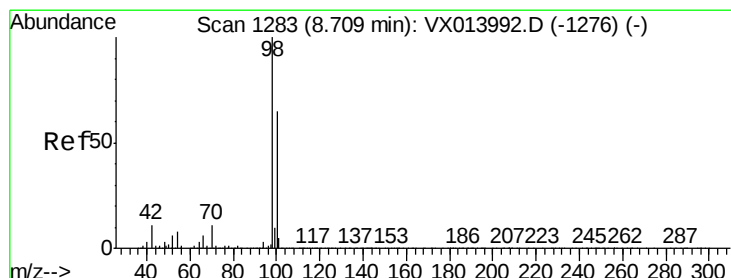
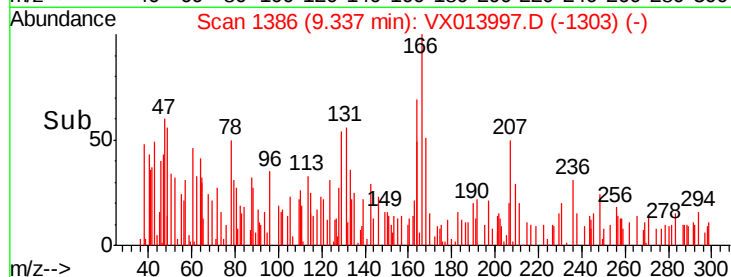
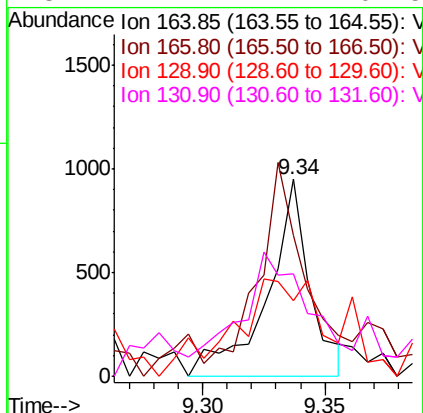
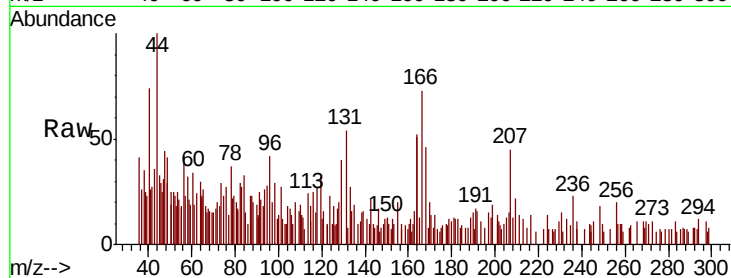




#61
Tetrachloroethene
Concen: 0.202 ug/l
RT: 9.34 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VX013997.D
Acq: 13 Dec 2019 02:03

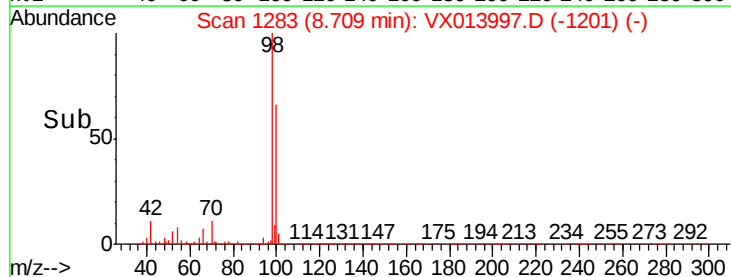
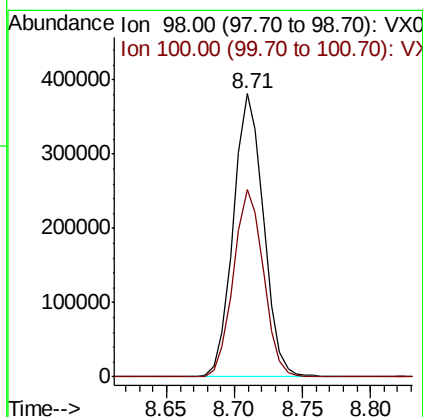
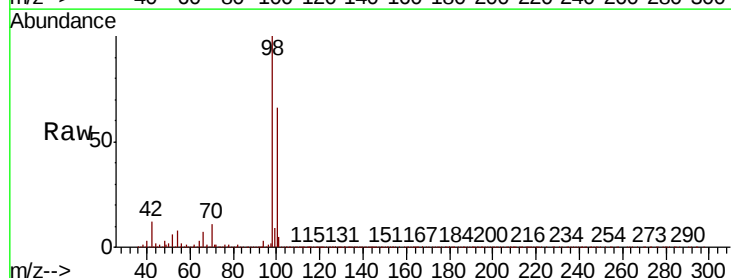
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBL02

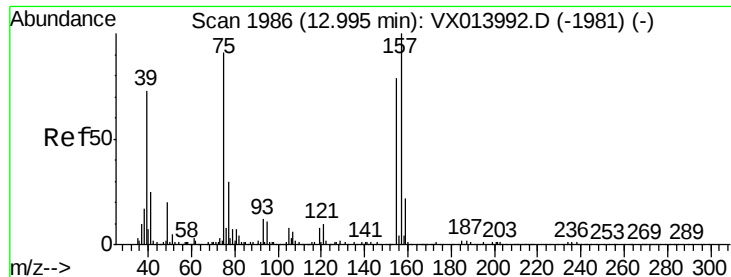
Tot Ion:164 Resp: 1150
Ion Ratio Lower Upper
164 100
166 50.9 104.2 156.2#
129 21.3 71.6 107.4#
131 42.7 71.7 107.5#



#63
Toluene-d8
Concen: 30.585 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013997.D
Acq: 13 Dec 2019 02:03

Tgt Ion: 98 Resp: 589148
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.2





#88

1,2-Dibromo-3-Chloropropane

Concen: 0.334 ug/l

RT: 12.99 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VX013997.D

Acq: 13 Dec 2019 02:03

Instrument :

MSVOA_X

ClientSampled :

VX1212WBL02

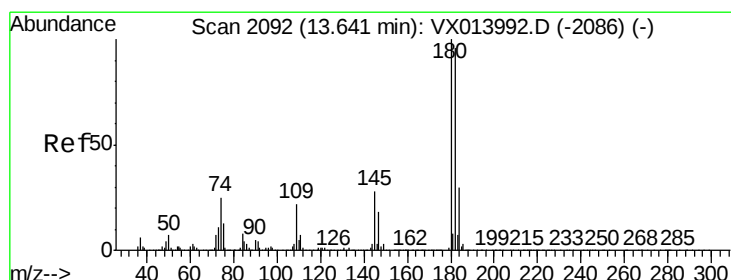
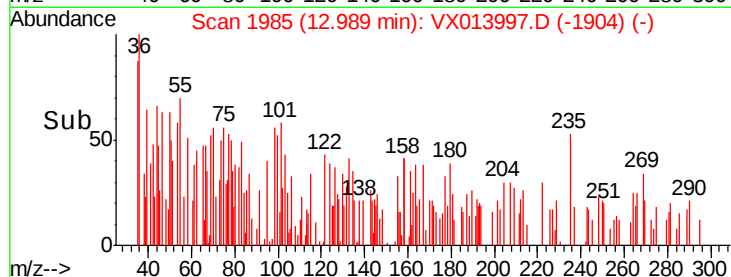
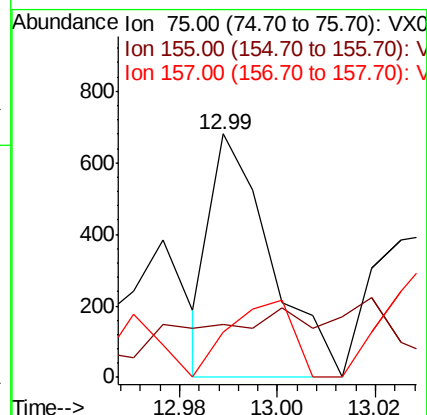
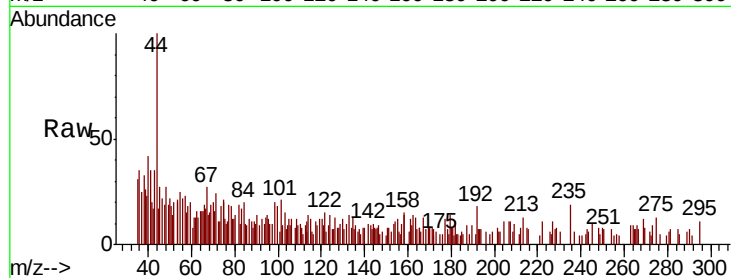
Tot Ion: 75 Resp: 580

Ion Ratio Lower Upper

75 100

155 22.4 73.8 110.6#

157 0.0 95.0 142.4#



#89

1,2,4-Trichlorobenzene

Concen: 0.205 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX013997.D

Acq: 13 Dec 2019 02:03

Tgt Ion: 180 Resp: 1520

Ion Ratio Lower Upper

180 100

182 134.2 76.4 114.6#

145 18.7 21.9 32.9#

