

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062119\
 Data File : VX010379.D
 Acq On : 21 Jun 2019 13:04
 Operator : JC/SP
 Sample : K3473-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB

Quant Time: Jun 21 23:10:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	297388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	457697	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	409862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185755	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	137600	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
35) Dibromofluoromethane	5.50	113	137789	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
50) Toluene-d8	8.71	98	541947	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
62) 4-Bromofluorobenzene	11.13	95	179062	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	

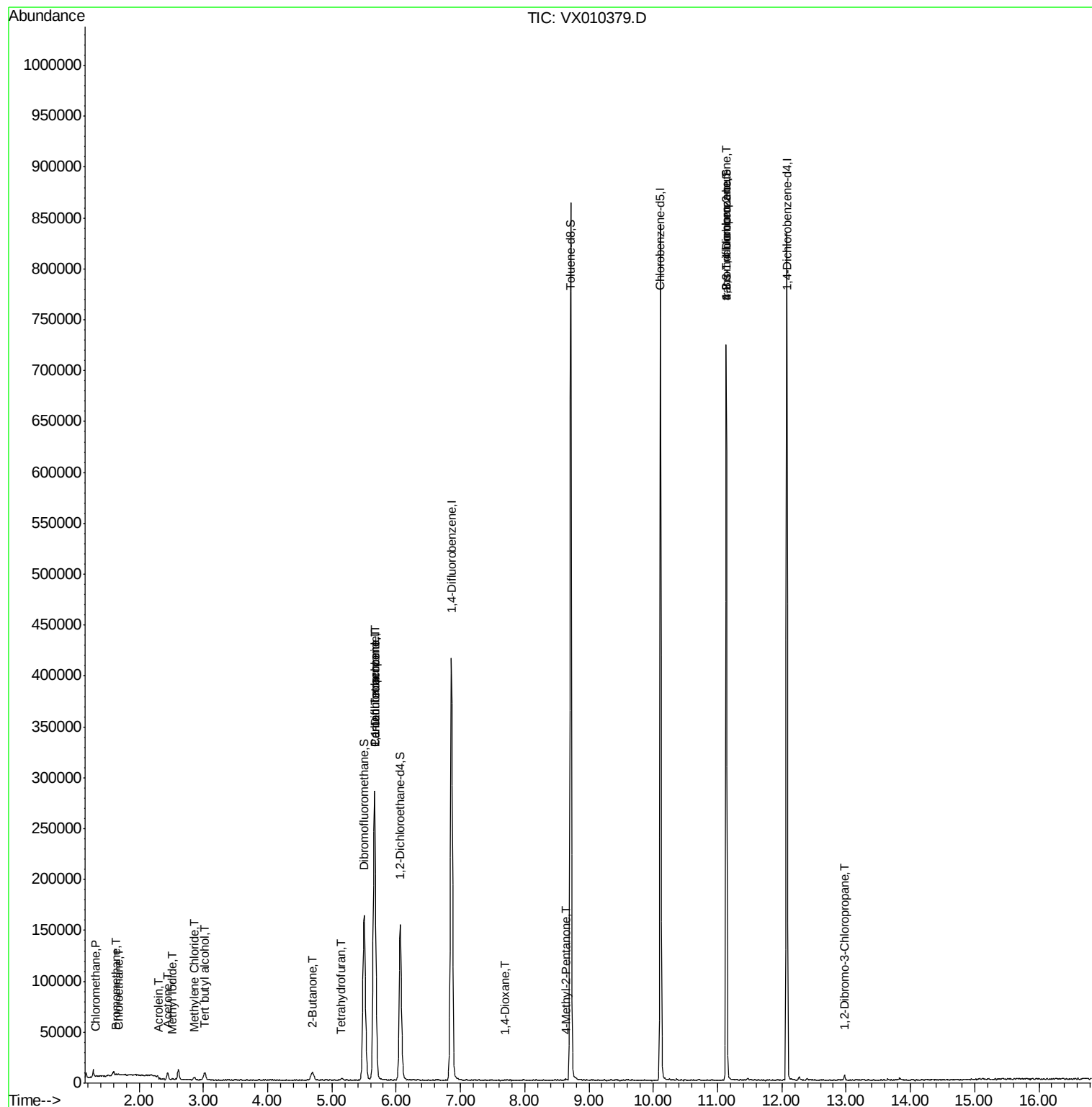
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	610	0.253	ug/l	94
5) Bromomethane	1.65	94	860	0.669	ug/l	94
6) Chloroethane	1.69	64	1389	0.893	ug/l #	53
10) Methyl Iodide	2.52	142	942	0.261	ug/l #	89
11) Tert butyl alcohol	3.03	59	4841	6.635	ug/l #	91
13) Acrolein	2.30	56	181	0.374	ug/l #	14
16) Acetone	2.45	43	7815	5.592	ug/l	97
20) Methylene Chloride	2.85	84	1290	0.449	ug/l #	82
25) 2-Butanone	4.68	43	864	0.421	ug/l	99
29) Tetrahydrofuran	5.14	42	570	0.449	ug/l #	11
36) 1,1-Dichloropropene	5.67	75	18444	5.071	ug/l #	48
38) Carbon Tetrachloride	5.67	117	26066	6.618	ug/l #	15
49) 1,4-Dioxane	7.68	88	20	0.241	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	1174	0.297	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	82958	24.508	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	82958	57.174	ug/l #	16
92) 1,2-Dibromo-3-Chloropropan	12.98	75	751	0.835	ug/l #	1

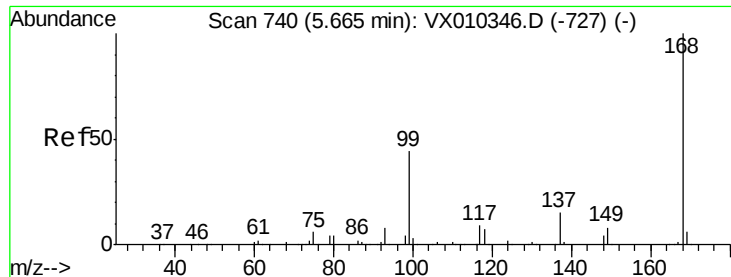
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010379.D

Acq: 21 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

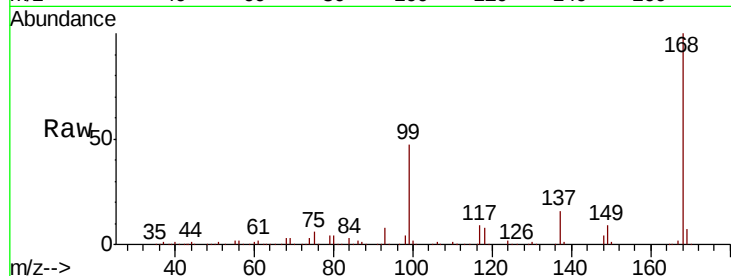
FB

Tot Ion:168 Resp: 297388

Ion Ratio Lower Upper

168 100

99 47.5 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

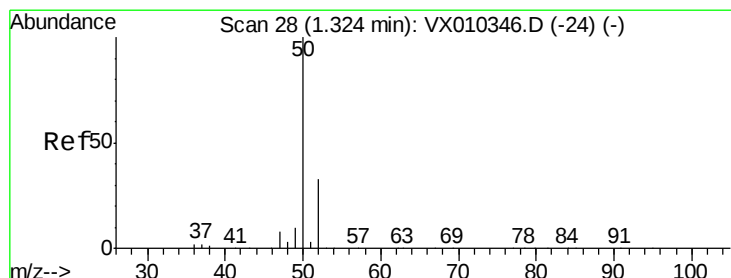
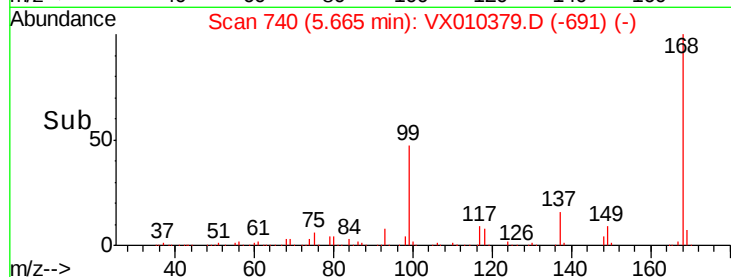
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.253 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010379.D

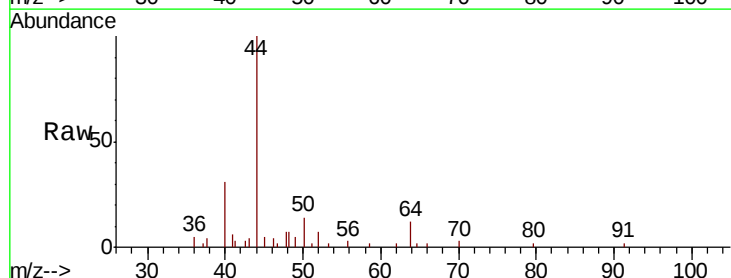
Acq: 21 Jun 2019 13:04

Tgt Ion: 50 Resp: 610

Ion Ratio Lower Upper

50 100

52 36.3 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

500

400

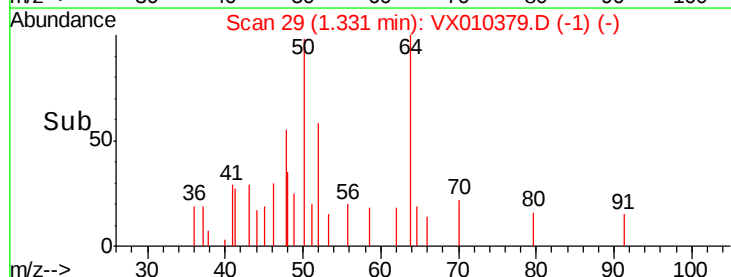
300

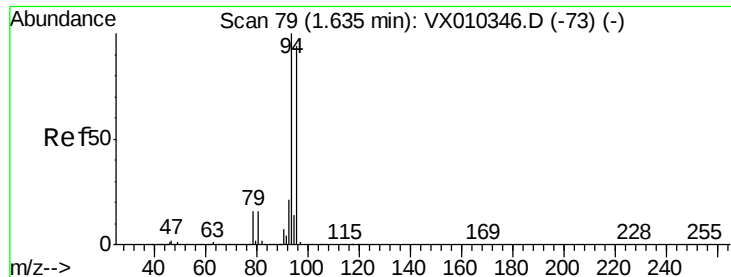
200

100

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.669 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010379.D

Acq: 21 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampled :

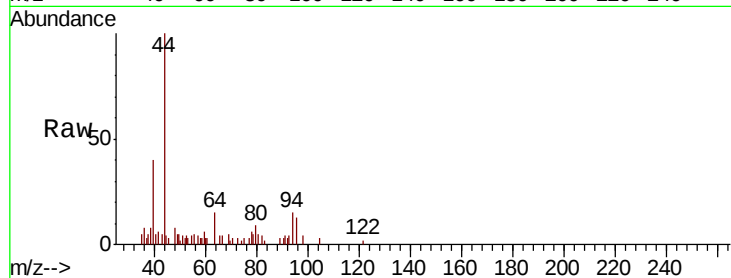
FB

Tot Ion: 94 Resp: 860

Ion Ratio Lower Upper

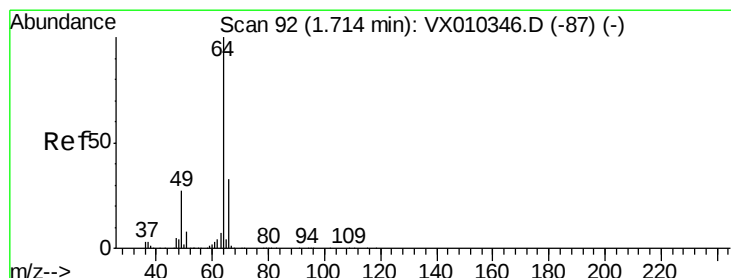
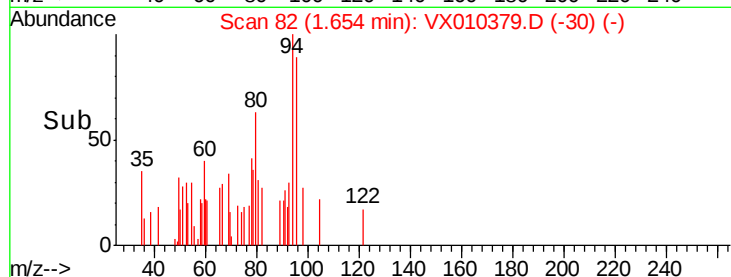
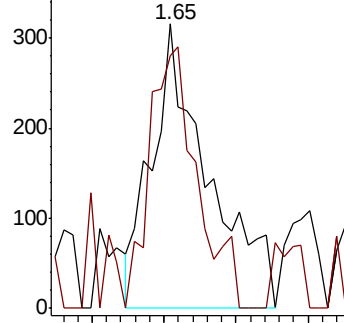
94 100

96 88.6 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.893 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX010379.D

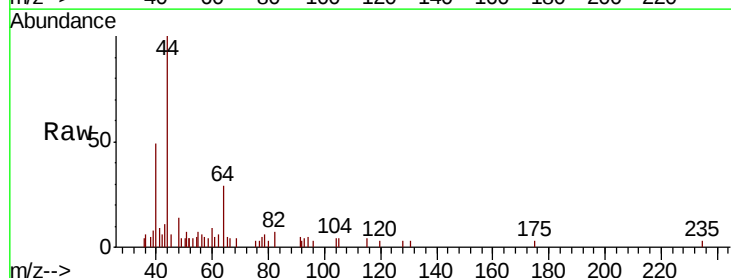
Acq: 21 Jun 2019 13:04

Tgt Ion: 64 Resp: 1389

Ion Ratio Lower Upper

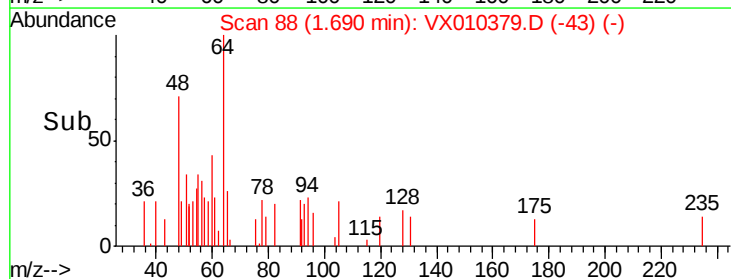
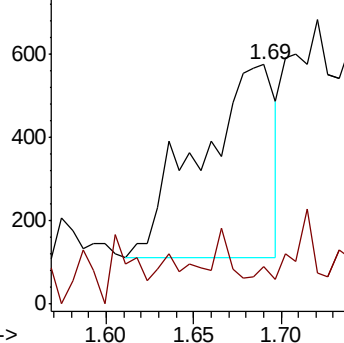
64 100

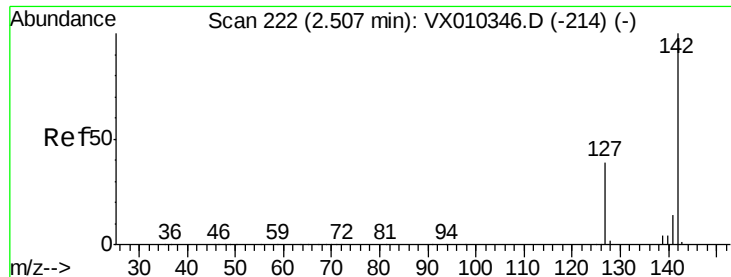
66 6.6 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

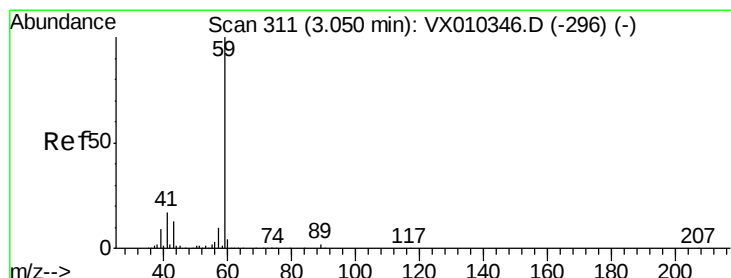
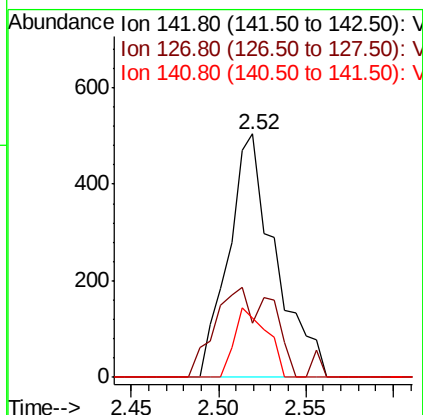
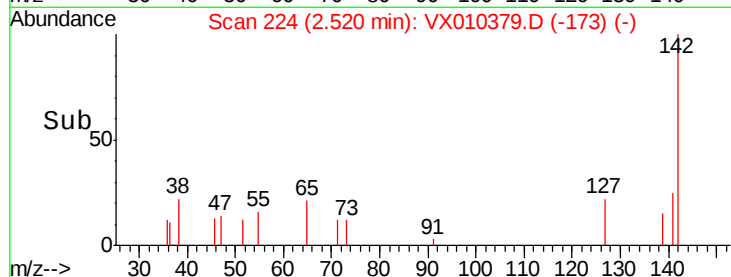
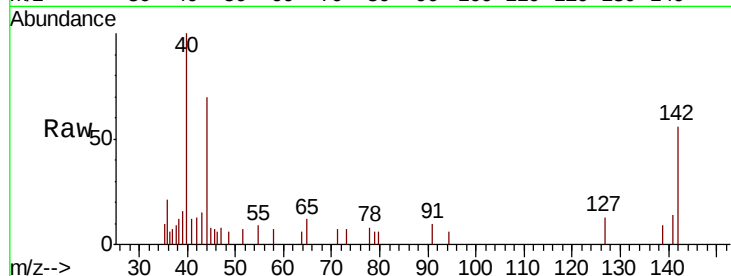




#10
Methvl Iodide
Concen: 0.261 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX010379.D
Acq: 21 Jun 2019 13:04

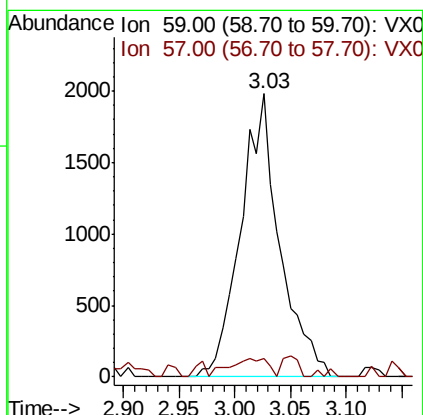
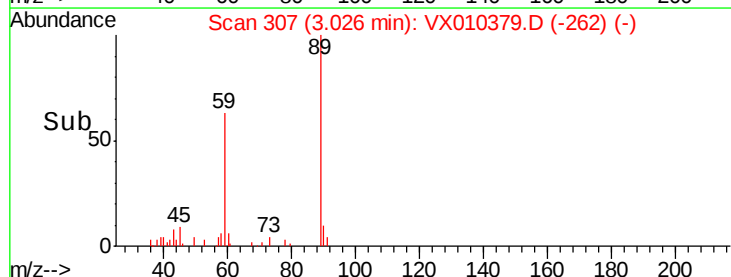
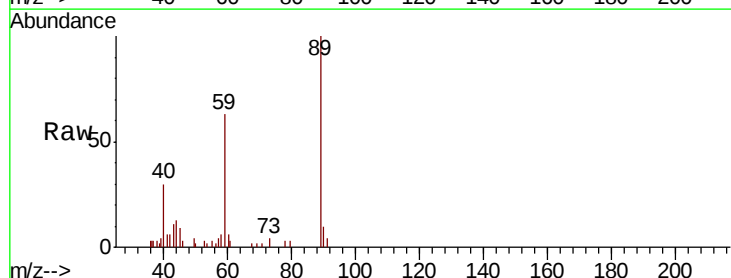
Instrument :
MSVOA_X
ClientSampled :
FB

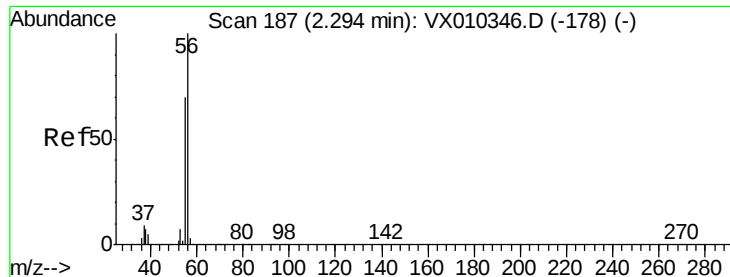
Tot Ion:142 Resp: 942
Ion Ratio Lower Upper
142 100
127 44.8 31.1 46.7
141 19.7 11.2 16.8#



#11
Tert butyl alcohol
Concen: 6.635 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX010379.D
Acq: 21 Jun 2019 13:04

Tgt Ion: 59 Resp: 4841
Ion Ratio Lower Upper
59 100
57 6.3 7.7 11.5#





#13

Acrolein

Concen: 0.374 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010379.D

Acq: 21 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampled :

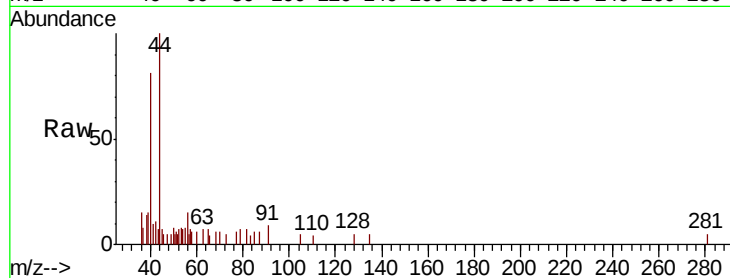
FB

Tot Ion: 56 Resp: 181

Ion Ratio Lower Upper

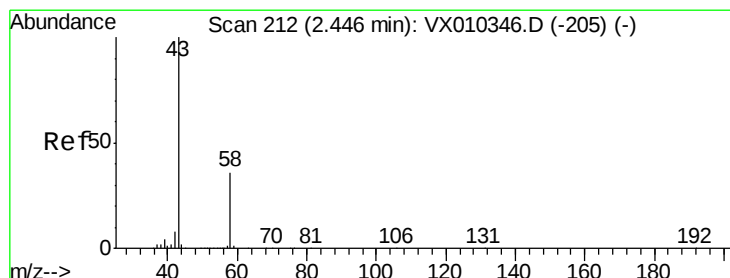
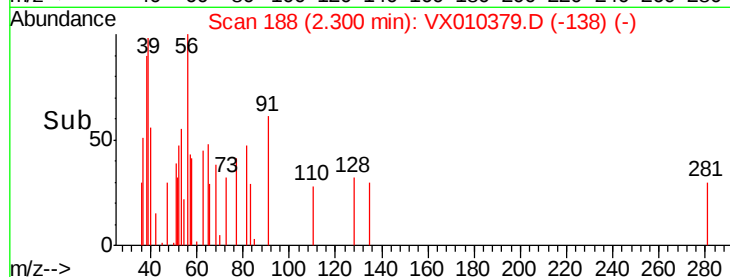
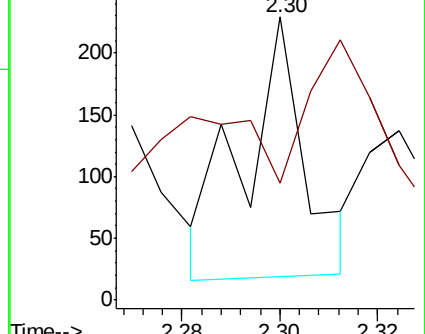
56 100

55 0.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 5.592 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010379.D

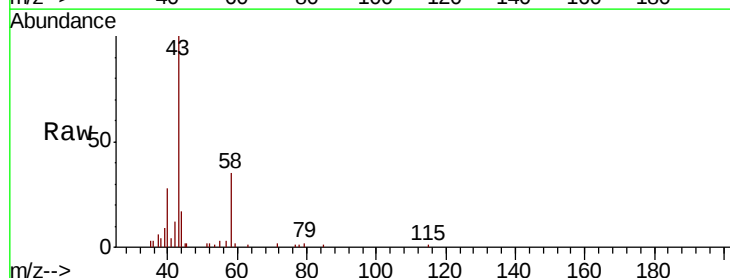
Acq: 21 Jun 2019 13:04

Tgt Ion: 43 Resp: 7815

Ion Ratio Lower Upper

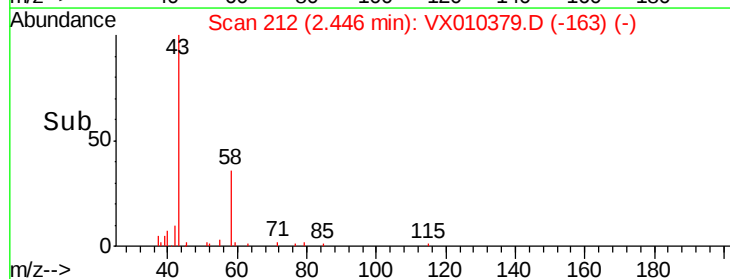
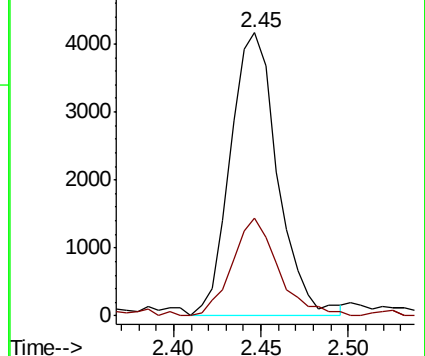
43 100

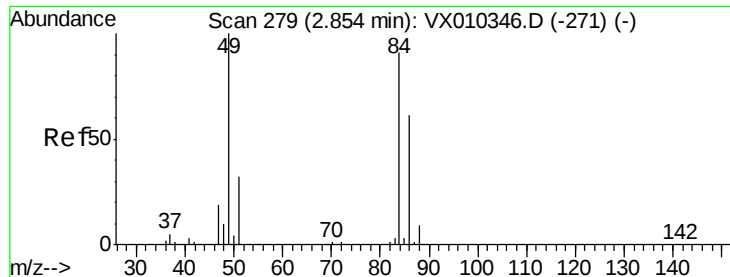
58 34.5 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

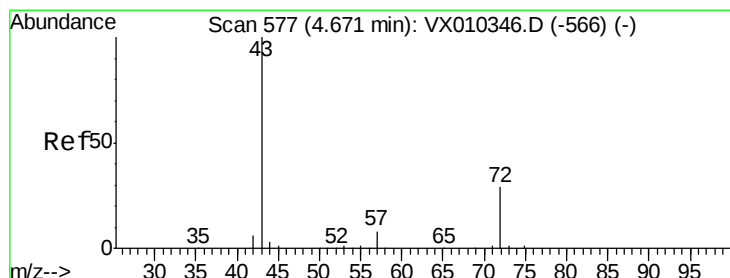
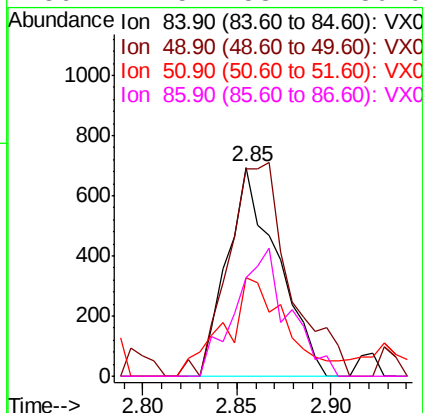
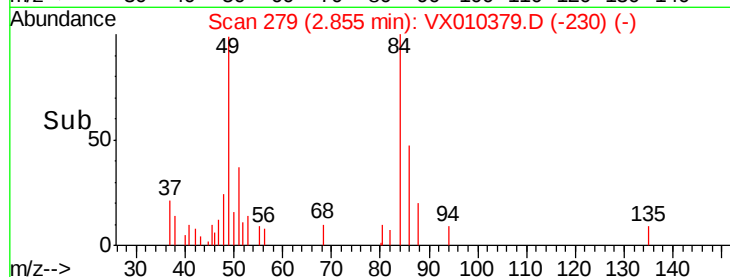
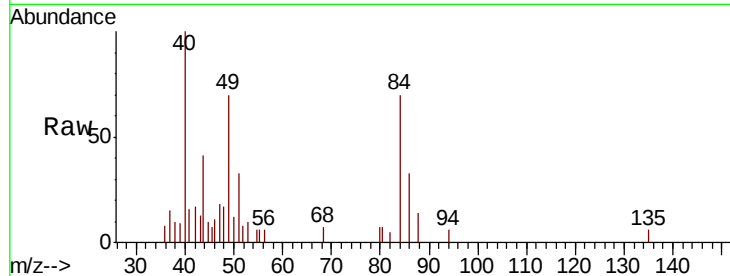




#20
Methvlene Chloride
Concen: 0.449 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010379.D
Acq: 21 Jun 2019 13:04

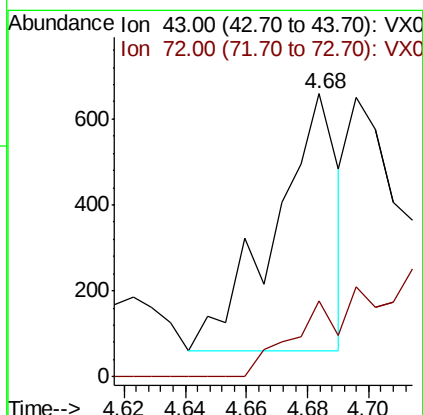
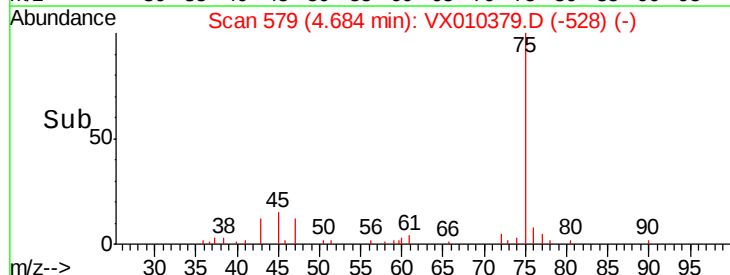
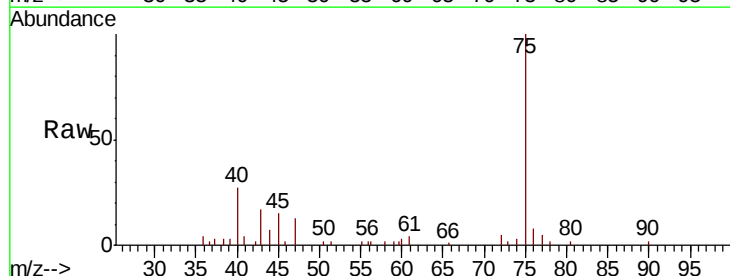
Instrument :
MSVOA_X
ClientSampled :
FB

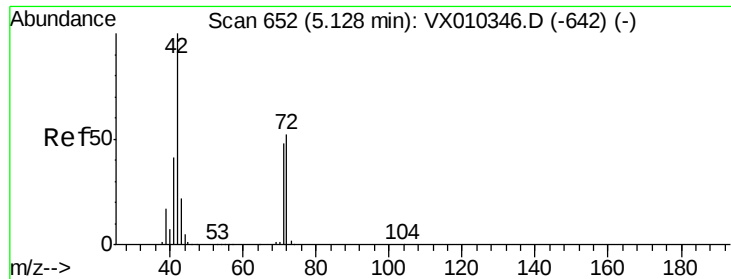
Tot Ion: 84 Resp: 1290
Ion Ratio Lower Upper
84 100
49 91.7 87.5 131.3
51 39.9 27.7 41.5
86 47.5 53.4 80.0#



#25
2-Butanone
Concen: 0.421 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX010379.D
Acq: 21 Jun 2019 13:04

Tgt Ion: 43 Resp: 864
Ion Ratio Lower Upper
43 100
72 29.8 23.3 34.9





#29

Tetrahydrofuran

Concen: 0.449 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX010379.D

Acq: 21 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampled :

FB

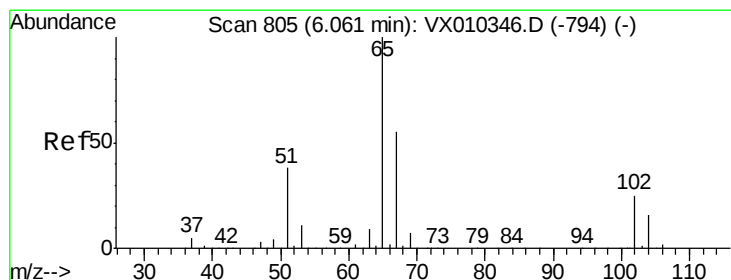
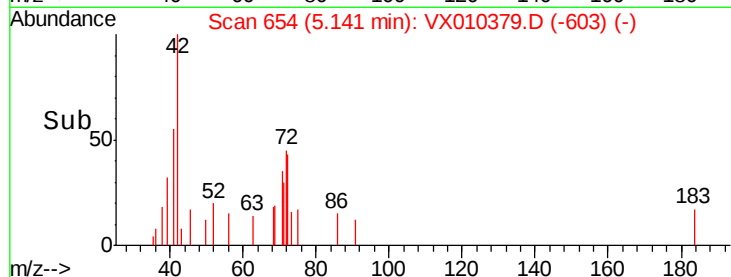
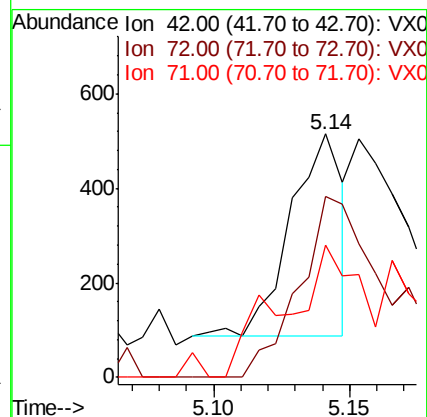
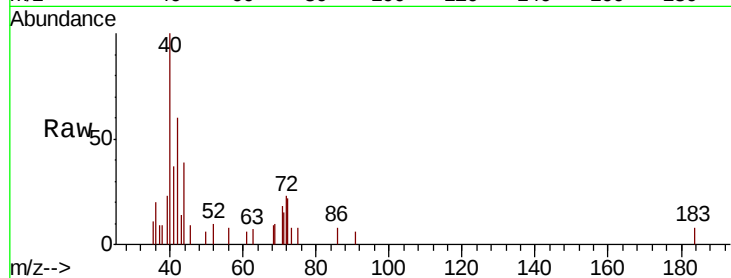
Tot Ion: 42 Resp: 570

Ion Ratio Lower Upper

42 100

72 156.0 40.6 60.8#

71 61.8 37.8 56.8#



#33

1,2-Dichloroethane-d4

Concen: 49.349 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010379.D

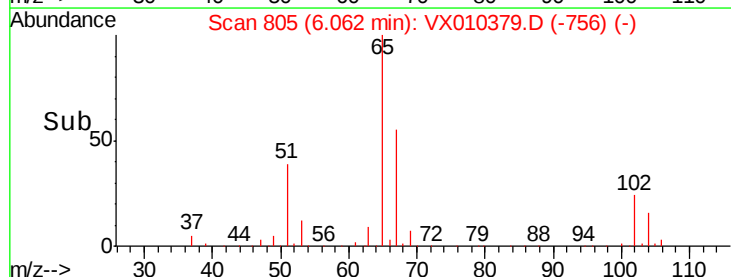
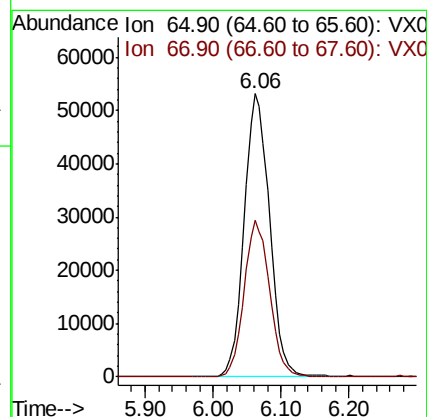
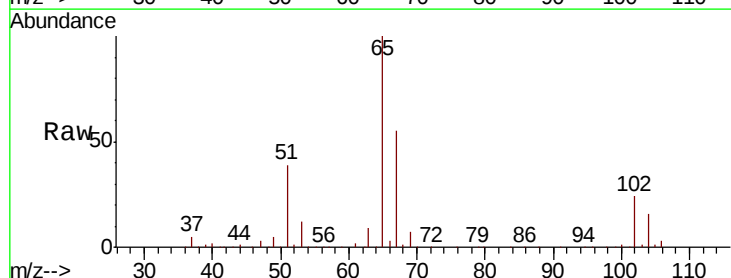
Acq: 21 Jun 2019 13:04

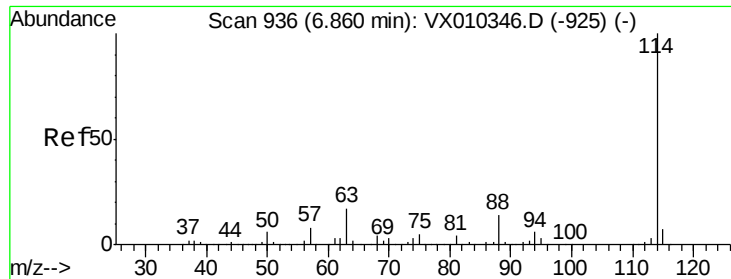
Tgt Ion: 65 Resp: 137600

Ion Ratio Lower Upper

65 100

67 55.5 0.0 110.2

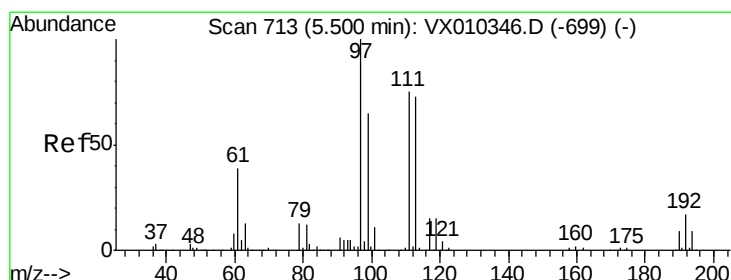
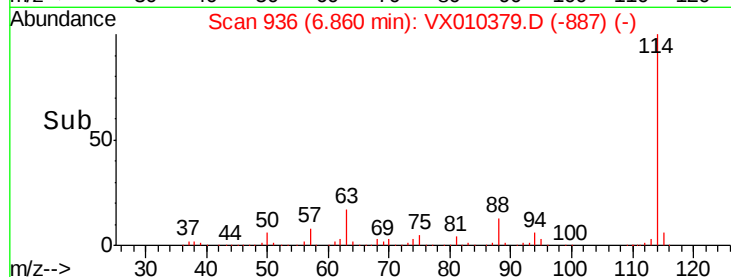
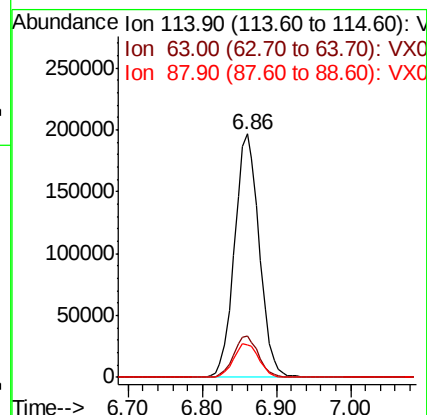
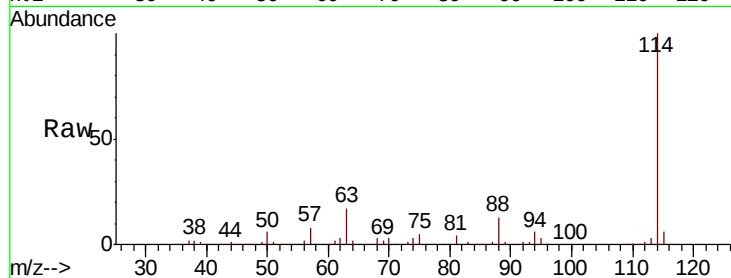




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010379.D
 Acq: 21 Jun 2019 13:04

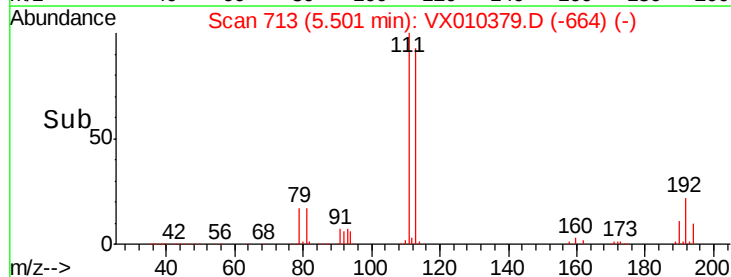
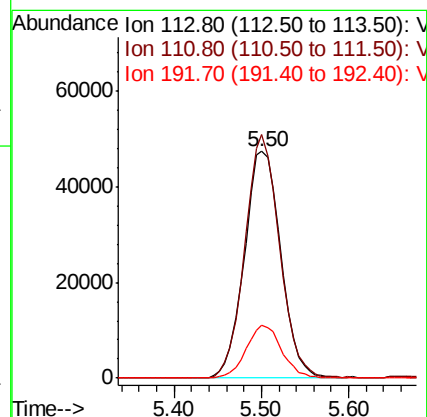
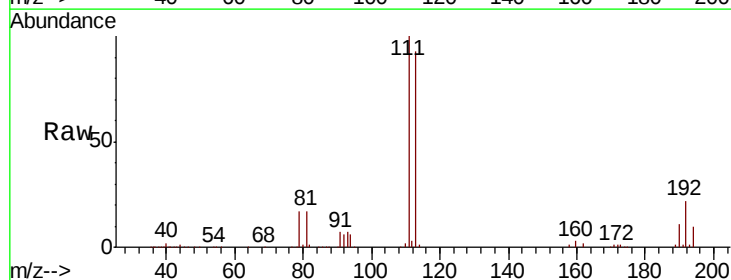
Instrument :
 MSVOA_X
 ClientSampled :
 FB

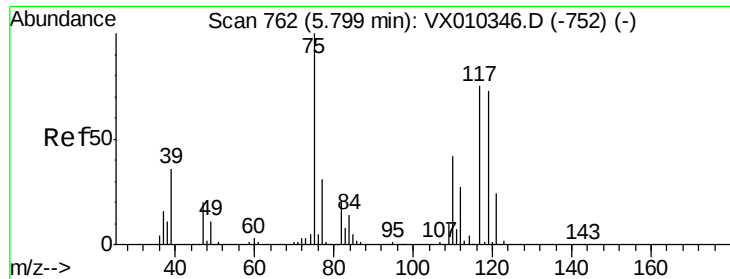
Tot Ion:114 Resp: 457697
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 33.8
 88 13.5 0.0 27.6



#35
 Dibromofluoromethane
 Concen: 49.204 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010379.D
 Acq: 21 Jun 2019 13:04

Tgt Ion:113 Resp: 137789
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.2 121.8
 192 22.8 18.6 27.8

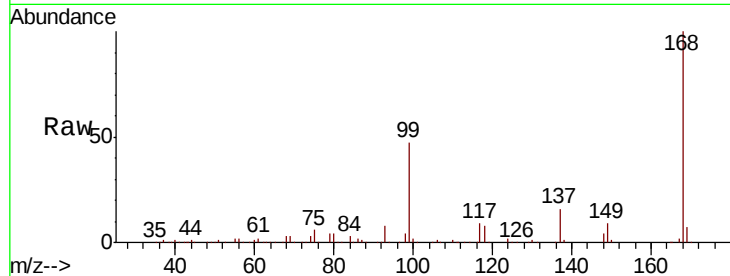




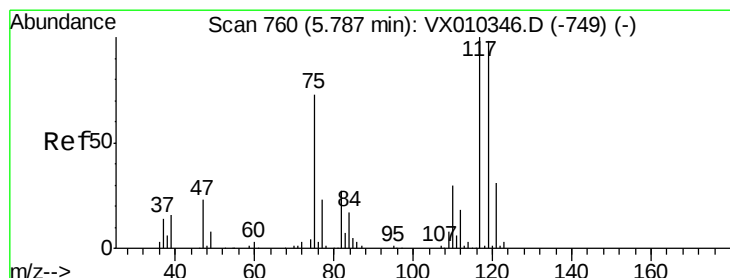
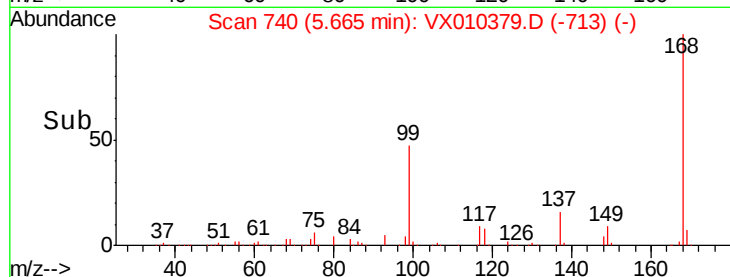
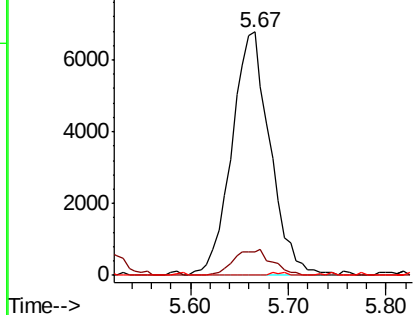
#36
 1,1-Dichloropropene
 Concen: 5.071 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010379.D
 Acq: 21 Jun 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 FB

Tot Ion	Ratio	Lower	Upper
75	100		
110	10.6	20.8	62.2#
77	0.4	25.4	38.0#

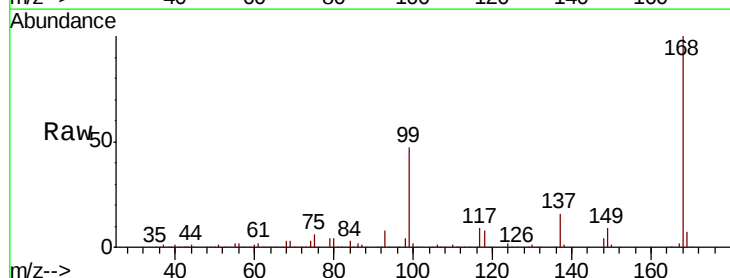


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

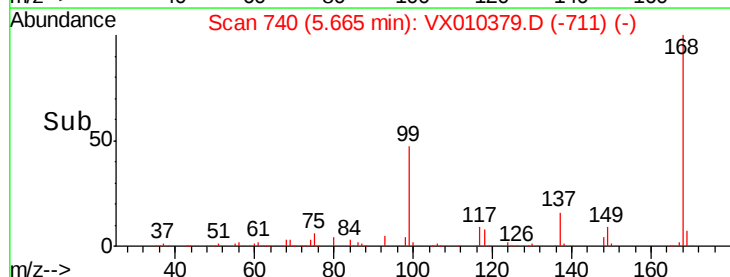
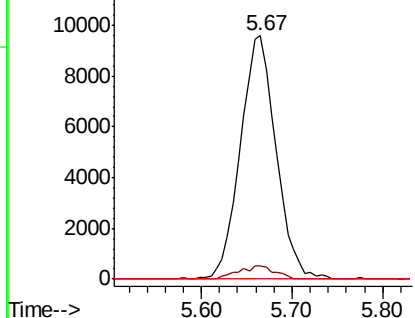


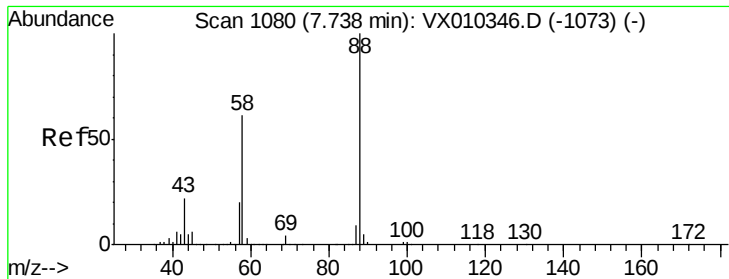
#38
 Carbon Tetrachloride
 Concen: 6.618 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010379.D
 Acq: 21 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	78.2	117.4#
121	0.0	24.7	37.1#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

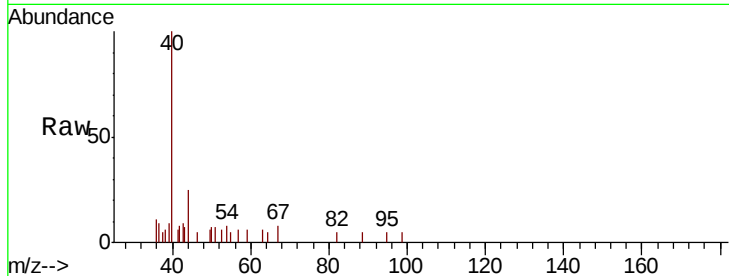




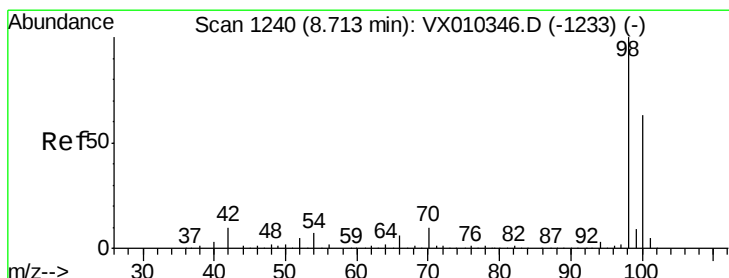
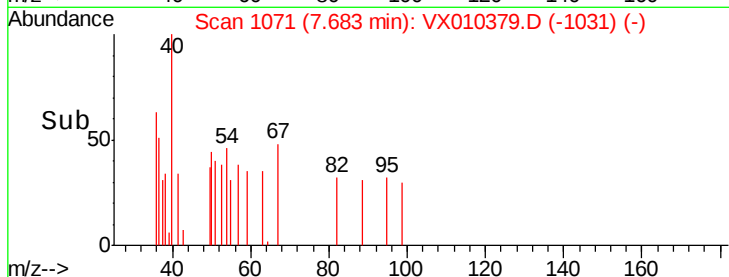
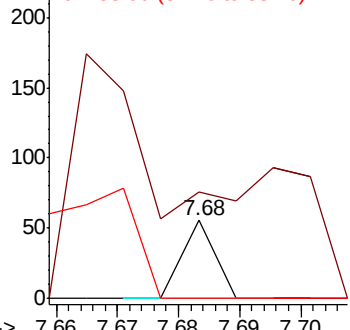
#49
1,4-Dioxane
Concen: 0.241 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.05 min
Lab File: VX010379.D
Acq: 21 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleID :
FB

Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 330.0 20.2 30.2#
58 0.0 49.5 74.3#

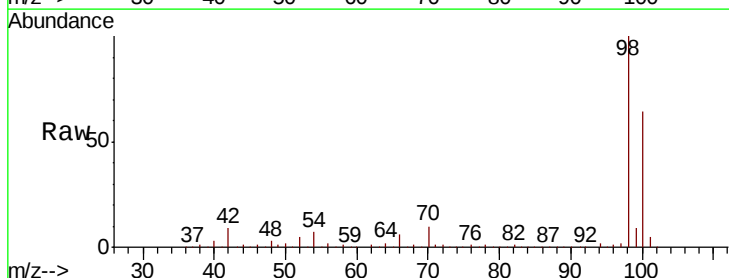


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

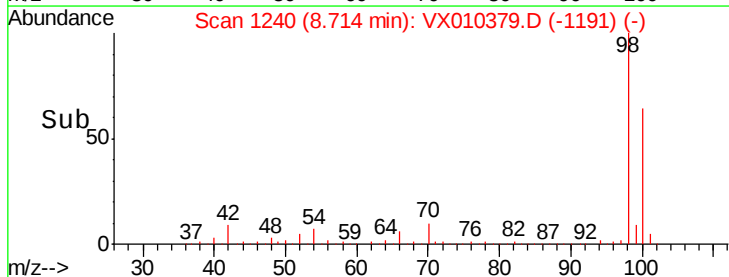
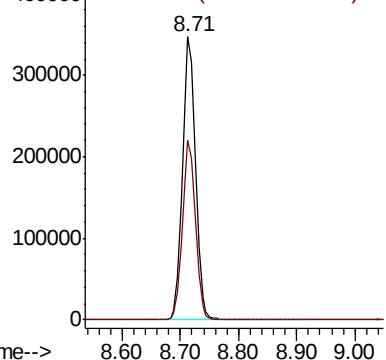


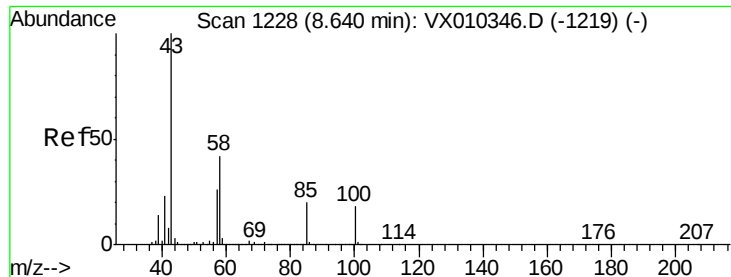
#50
Toluene-d8
Concen: 50.585 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010379.D
Acq: 21 Jun 2019 13:04

Tgt Ion: 98 Resp: 541947
Ion Ratio Lower Upper
98 100
100 63.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

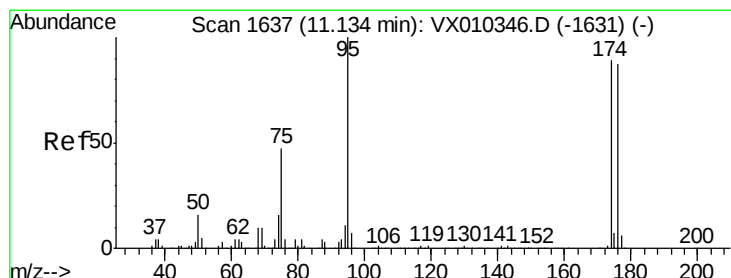
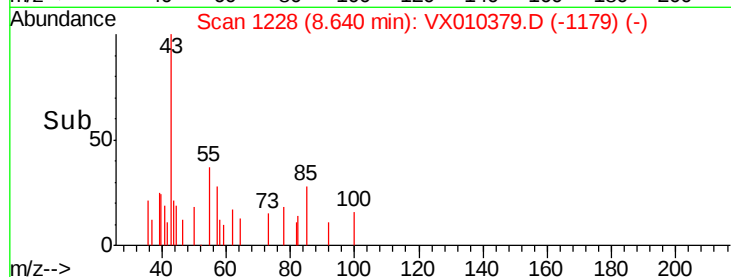
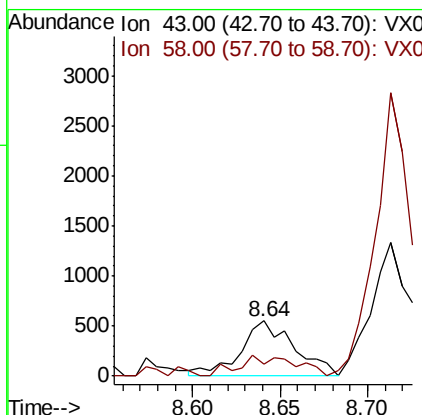
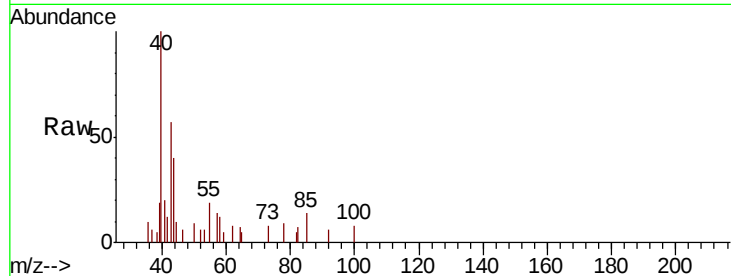




#51
4-Methyl-2-Pentanone
Concen: 0.297 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010379.D
Acq: 21 Jun 2019 13:04

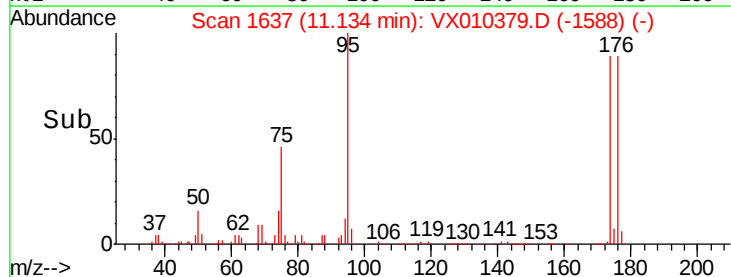
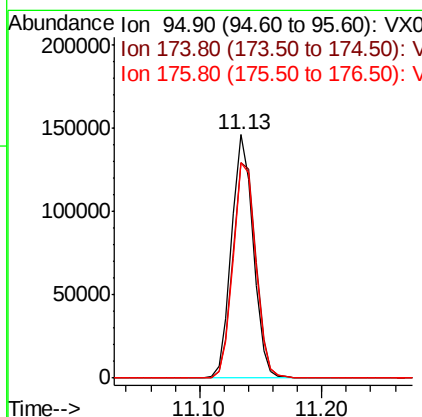
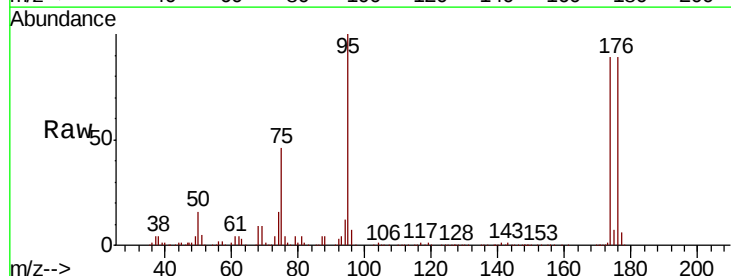
Instrument :
MSVOA_X
ClientSampled :
FB

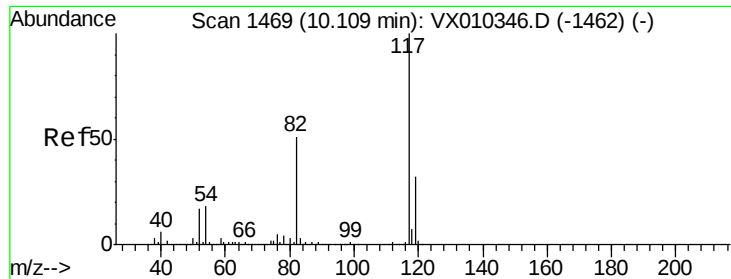
Tot Ion: 43 Resp: 1174
Ion Ratio Lower Upper
43 100
58 39.3 33.5 50.3



#62
4-Bromofluorobenzene
Concen: 46.294 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010379.D
Acq: 21 Jun 2019 13:04

Tgt Ion: 95 Resp: 179062
Ion Ratio Lower Upper
95 100
174 94.0 0.0 187.6
176 92.0 0.0 184.0

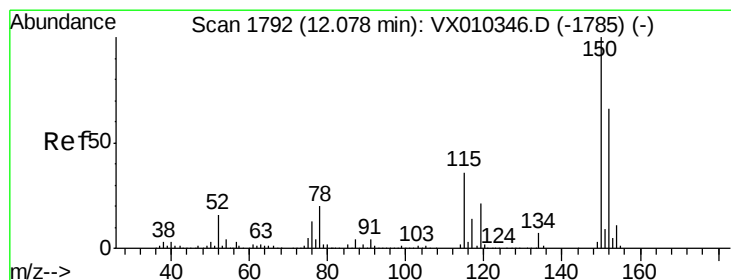
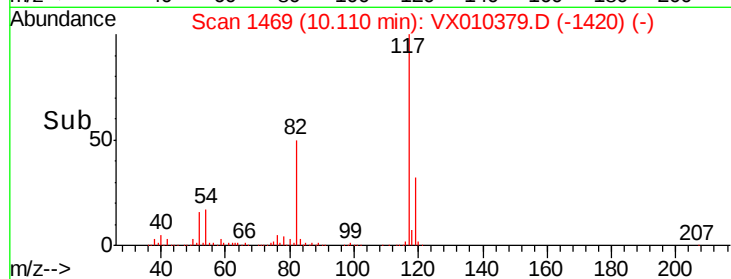
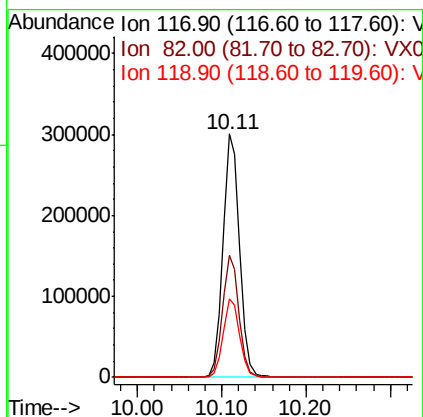
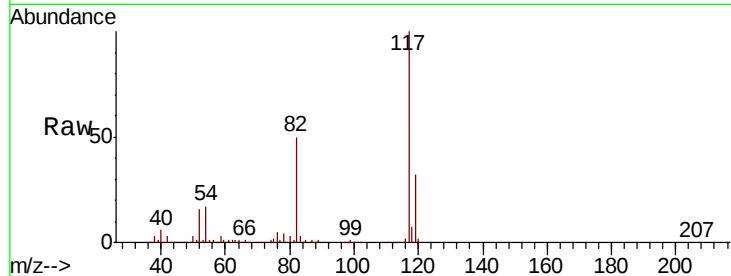




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010379.D
Acq: 21 Jun 2019 13:04

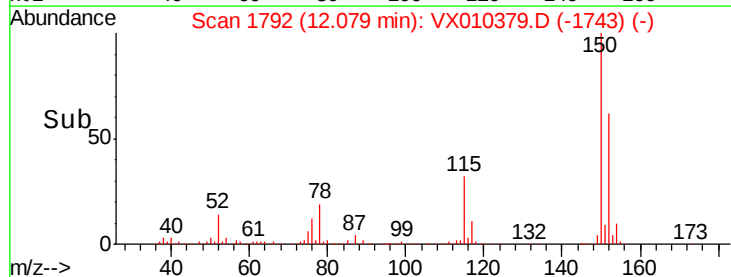
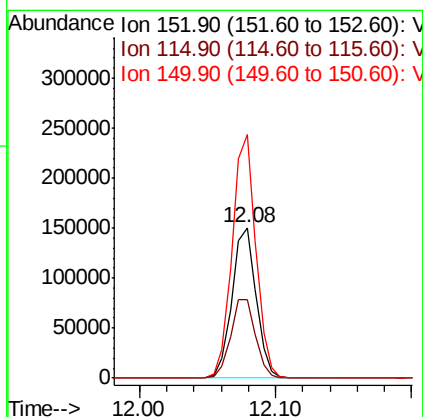
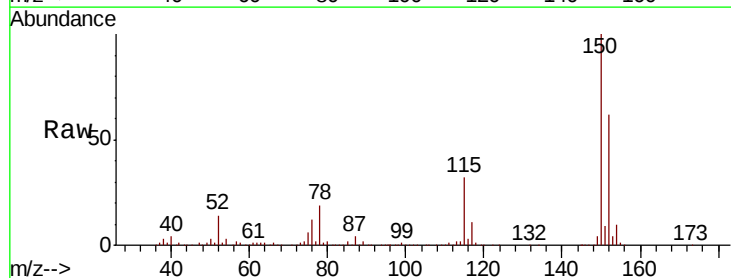
Instrument :
MSVOA_X
ClientSampleId :
FB

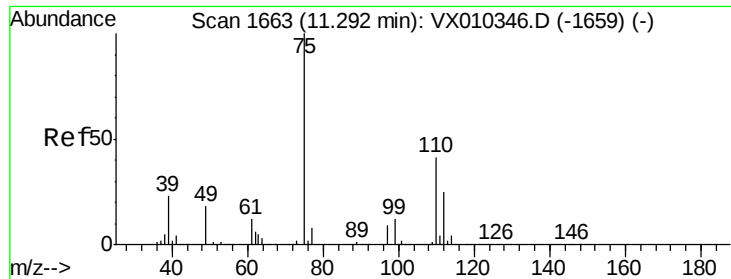
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.9	41.2	61.8
119	32.2	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010379.D
Acq: 21 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	38.6	115.7
150	158.9	0.0	347.4





#76

1,2,3-Trichloropropane

Concen: 24.508 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010379.D

Acq: 21 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampled :

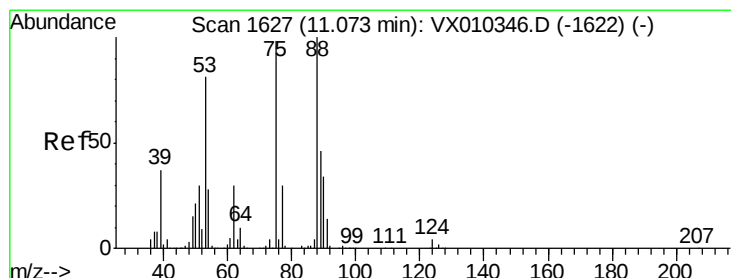
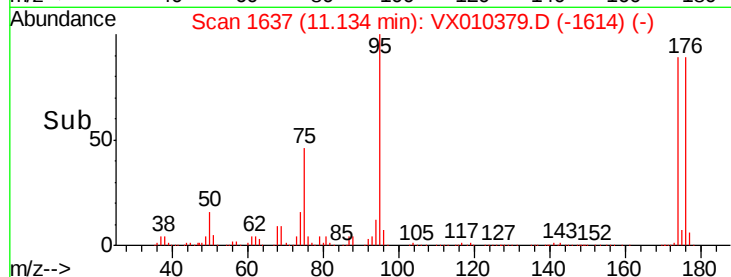
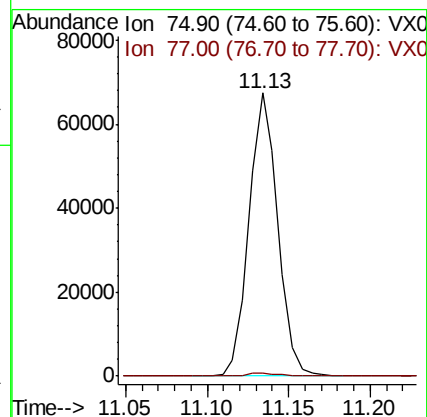
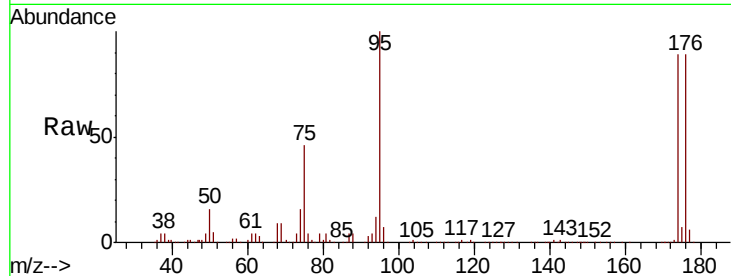
FB

Tot Ion: 75 Resp: 82958

Ion Ratio Lower Upper

75 100

77 1.3 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.174 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010379.D

Acq: 21 Jun 2019 13:04

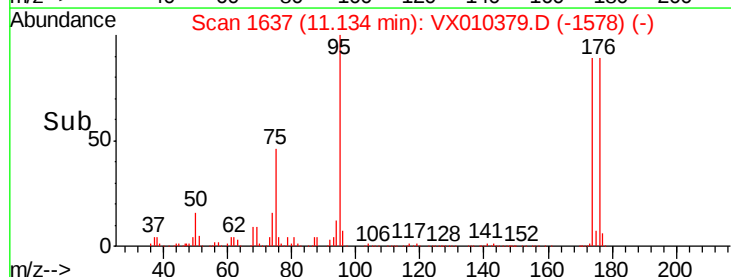
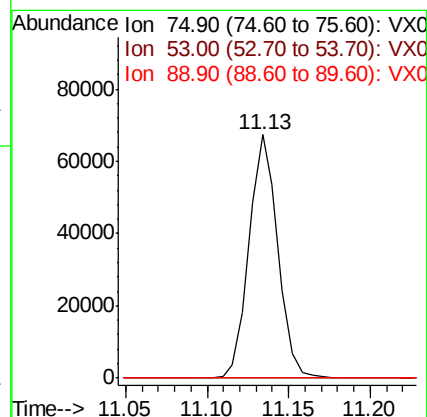
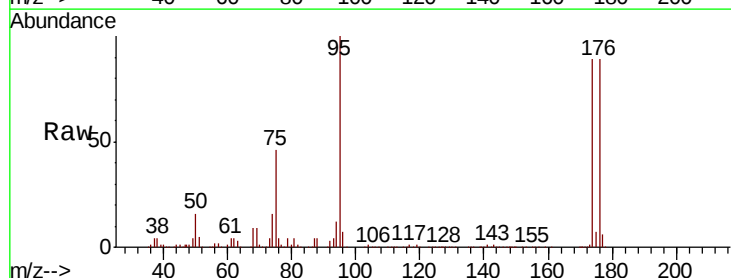
Tgt Ion: 75 Resp: 82958

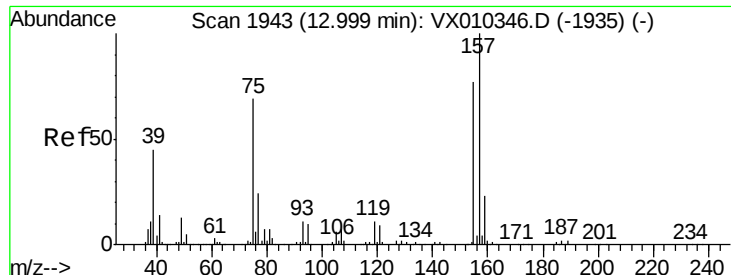
Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.835 ug/l

RT: 12.98 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX010379.D

Acq: 21 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

FB

Tot Ion: 75 Resp: 751

Ion Ratio Lower Upper

75 100

155 0.0 54.4 163.1#

157 0.0 69.5 208.3#

