

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021619\
 Data File : VX007570.D
 Acq On : 15 Feb 2019 16:11
 Operator : JC/SP
 Sample : K1458-07DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 16 04:04:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	493279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	777947	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	720871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	342121	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	272150	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
35) Dibromofluoromethane	5.50	113	254749	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
50) Toluene-d8	8.71	98	918312	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	11.13	95	324621	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	

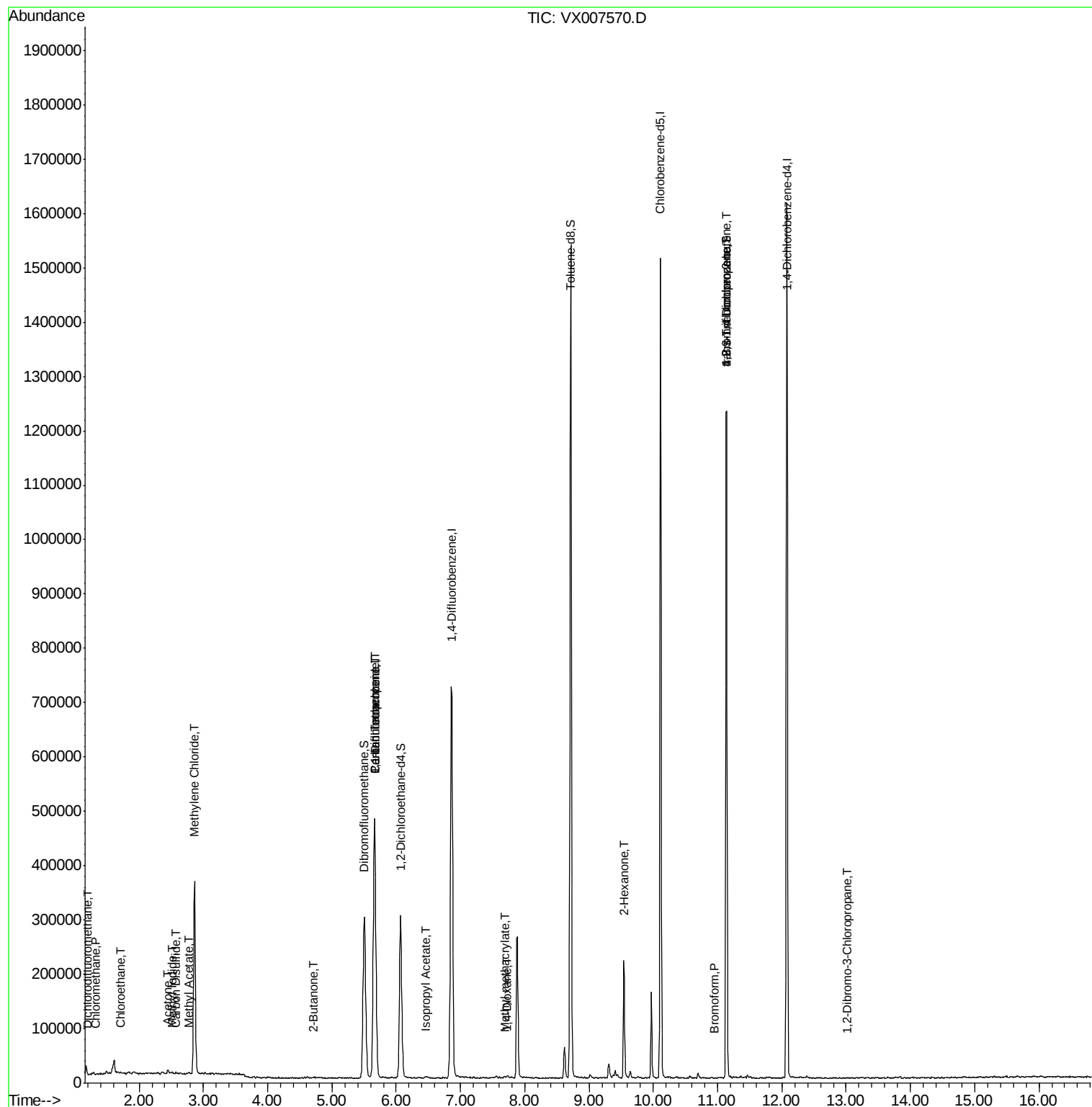
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	478	0.256	ug/l #	22
3) Chloromethane	1.33	50	1251	0.225	ug/l #	55
5) Bromomethane	1.65	94	534	Below Cal	#	79
6) Chloroethane	1.71	64	730	0.207	ug/l #	53
10) Methyl Iodide	2.52	142	1493	0.200	ug/l #	89
16) Acetone	2.45	43	7928	3.306	ug/l	97
17) Carbon Disulfide	2.57	76	1785	2.260	ug/l	99
18) Methyl Acetate	2.78	43	2589	1.003	ug/l #	76
20) Methylene Chloride	2.86	84	164157	33.379	ug/l	97
25) 2-Butanone	4.70	43	2071	0.607	ug/l #	83
36) 1,1-Dichloropropene	5.66	75	31877	4.567	ug/l #	49
38) Carbon Tetrachloride	5.67	117	45391	6.703	ug/l #	17
43) Isopropyl Acetate	6.46	43	5460	0.501	ug/l #	93
48) Methyl methacrylate	7.70	41	3449	0.633	ug/l #	16
49) 1,4-Dioxane	7.73	88	119	7.833	ug/l #	1
59) 2-Hexanone	9.54	43	24581	4.406	ug/l #	54
71) Bromoform	10.94	173	90	4.047	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	152671	22.942	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	152671	69.143	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	13.02	75	300	0.204	ug/l #	1

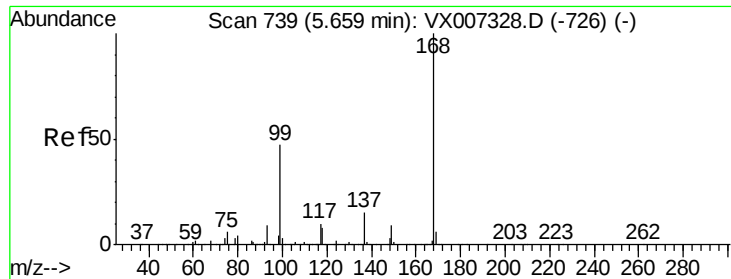
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007570.D

Acq: 15 Feb 2019 16:11

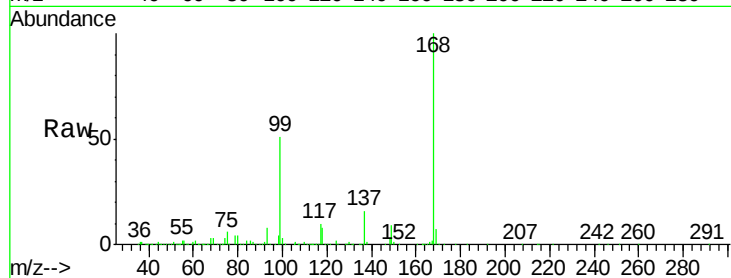
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 493279

Ion Ratio Lower Upper

168 100

99 50.5 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

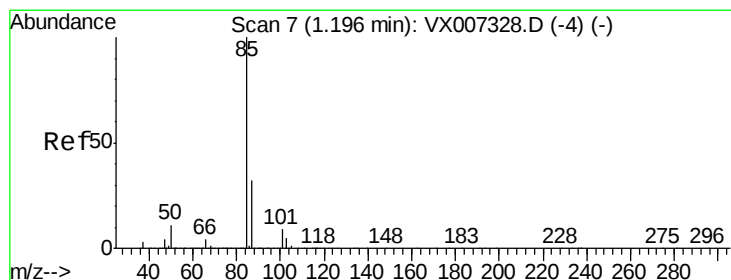
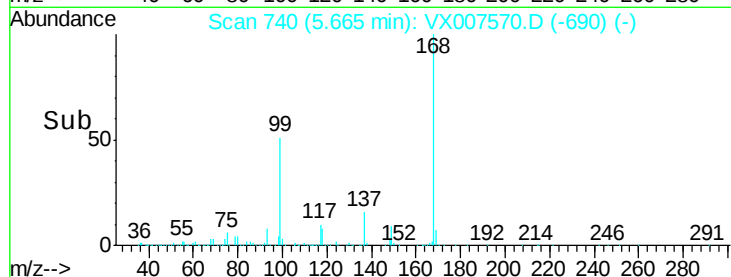
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.256 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007570.D

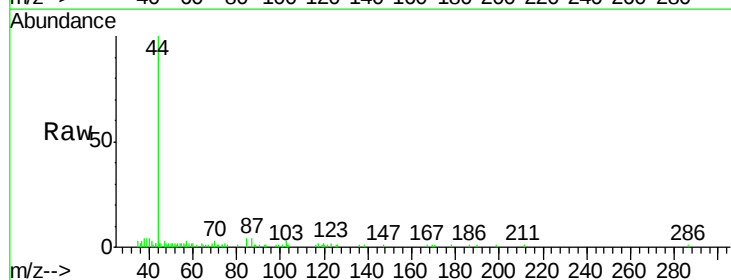
Acq: 15 Feb 2019 16:11

Tgt Ion: 85 Resp: 478

Ion Ratio Lower Upper

85 100

87 74.8 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

300

250

200

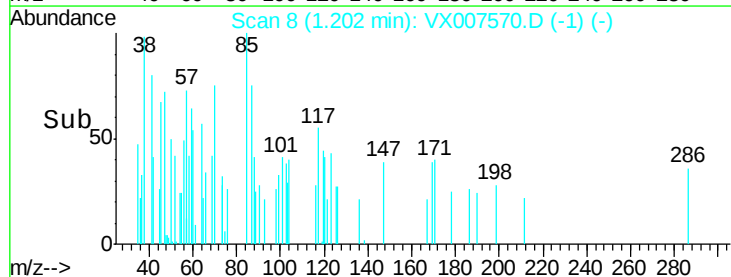
150

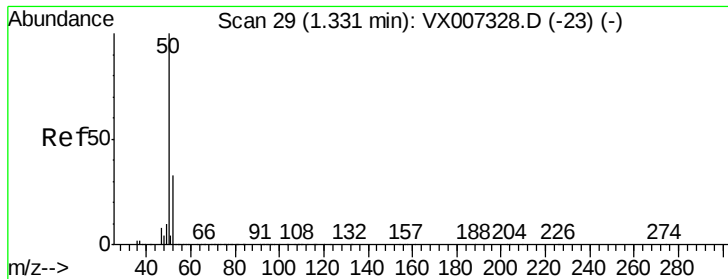
100

50

0

Time--> 1.15 1.20





#3

Chloromethane

Concen: 0.225 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007570.D

Acq: 15 Feb 2019 16:11

Instrument :

MSVOA_W

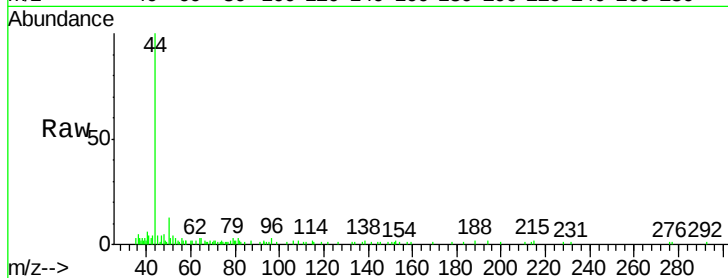
ClientSampleId :

Tot Ion: 50 Resp: 1251

Ion Ratio Lower Upper

50 100

52 7.2 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

800

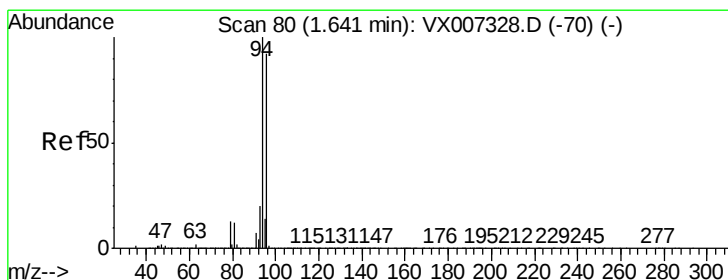
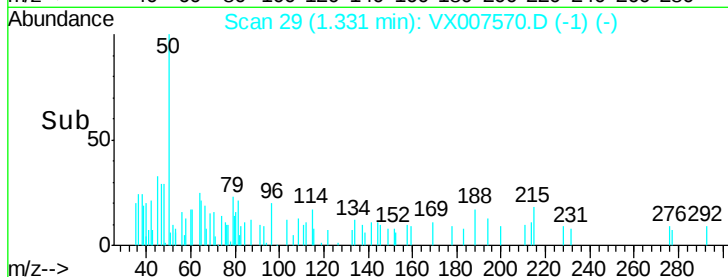
600

400

200

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007570.D

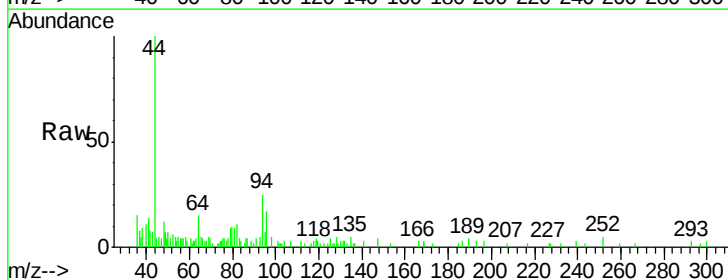
Acq: 15 Feb 2019 16:11

Tgt Ion: 94 Resp: 534

Ion Ratio Lower Upper

94 100

96 72.7 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

800

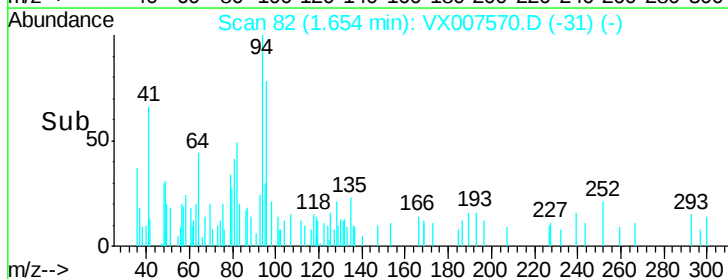
600

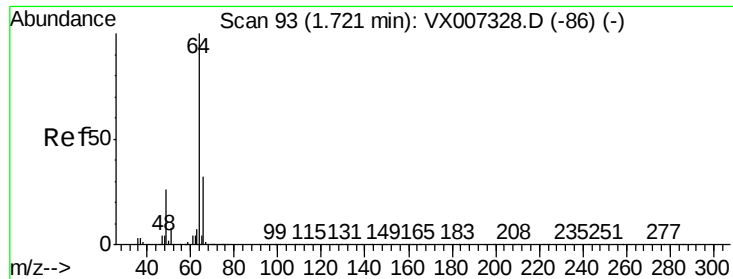
400

200

0

Time-->





#6

Chloroethane

Concen: 0.207 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX007570.D

Acq: 15 Feb 2019 16:11

Instrument :

MSVOA_W

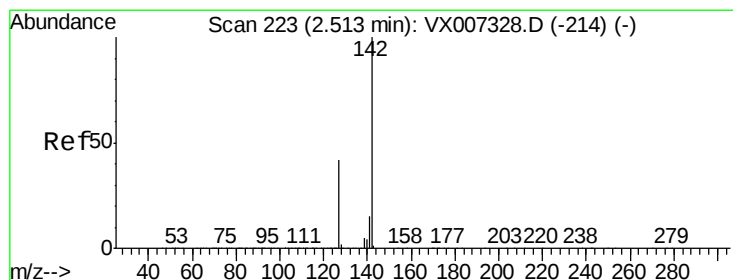
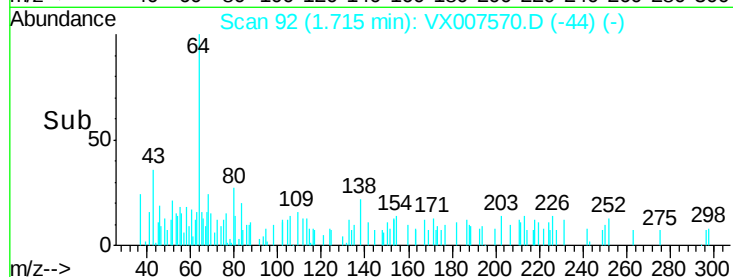
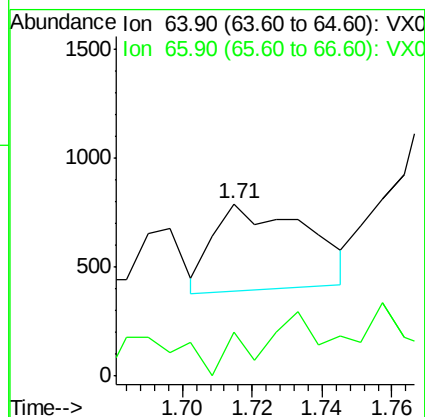
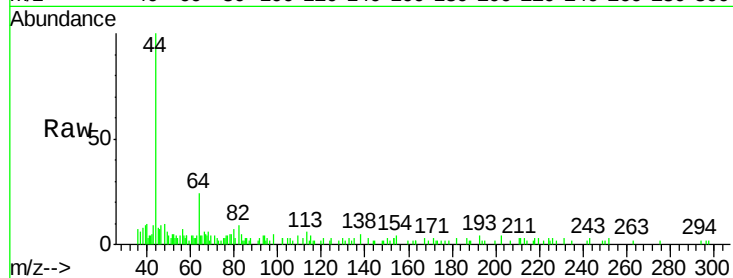
ClientSampled :

Tot Ion: 64 Resp: 730

Ion Ratio Lower Upper

64 100

66 5.9 25.5 38.3#



#10

Methyl Iodide

Concen: 0.200 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX007570.D

Acq: 15 Feb 2019 16:11

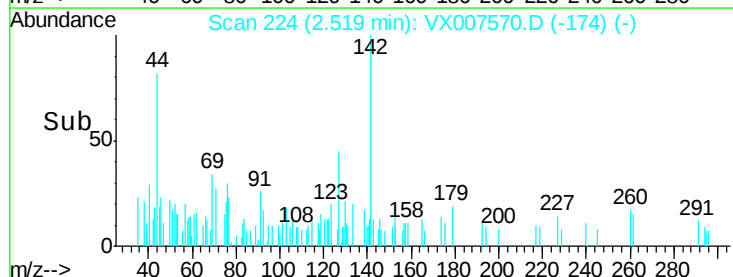
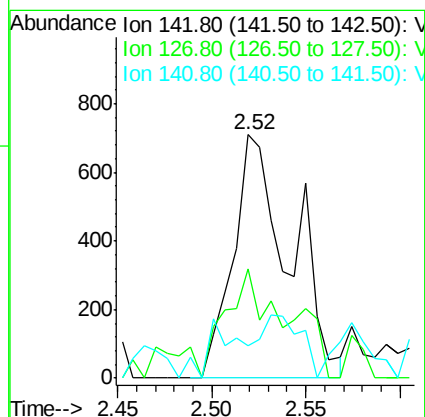
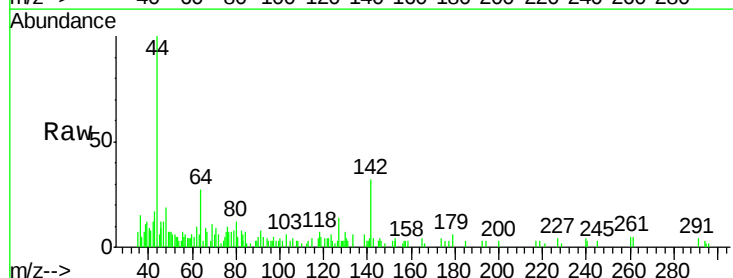
Tgt Ion: 142 Resp: 1493

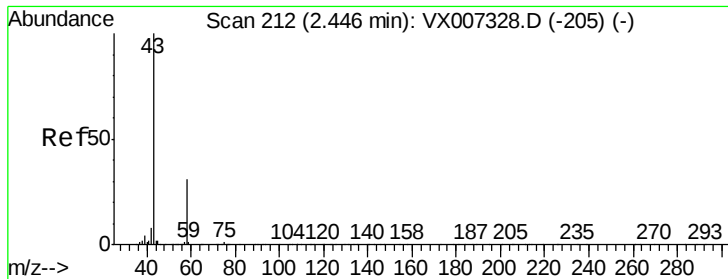
Ion Ratio Lower Upper

142 100

127 34.7 33.7 50.5

141 18.3 11.3 16.9#

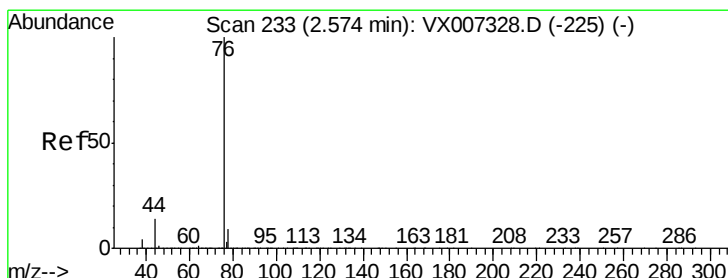
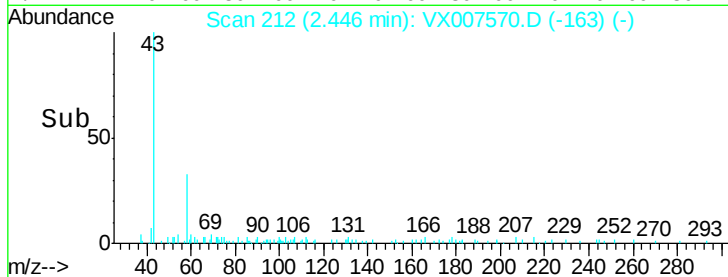
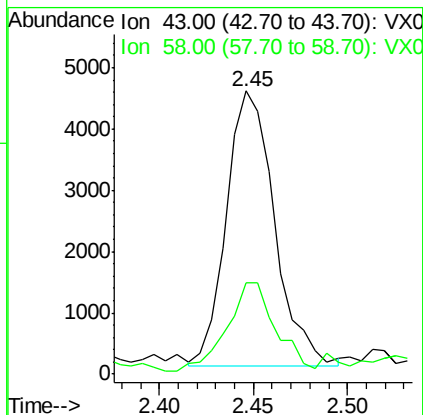
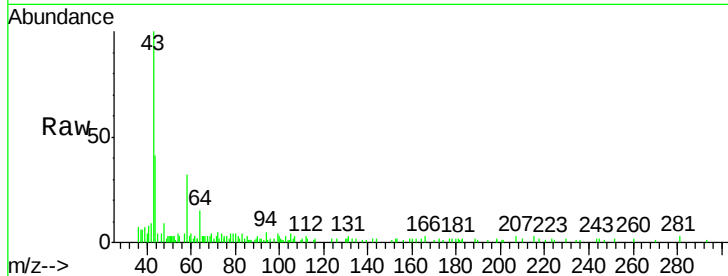




#16
Acetone
Concen: 3.306 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007570.D
Acq: 15 Feb 2019 16:11

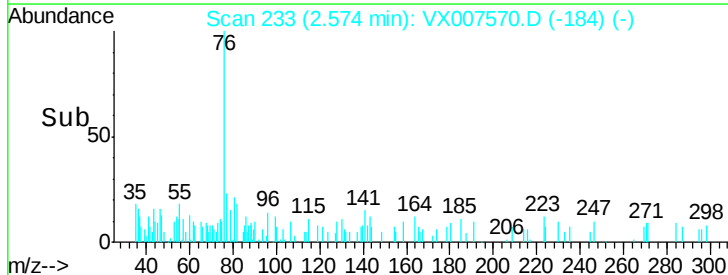
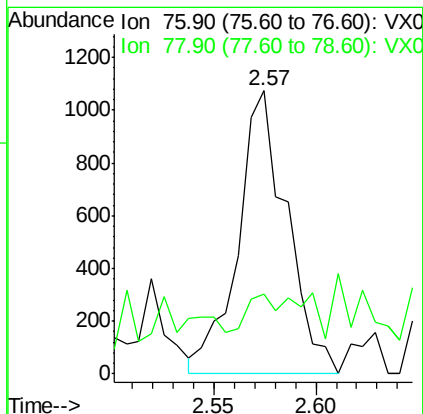
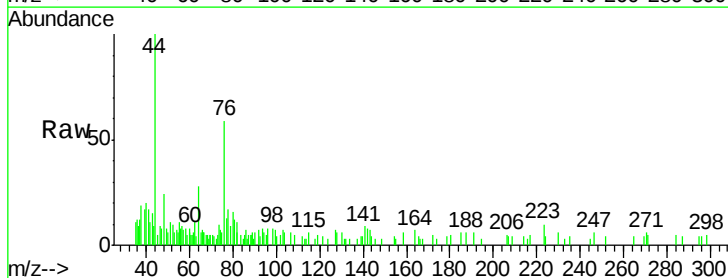
Instrument :
MSVOA_W
ClientSampled :

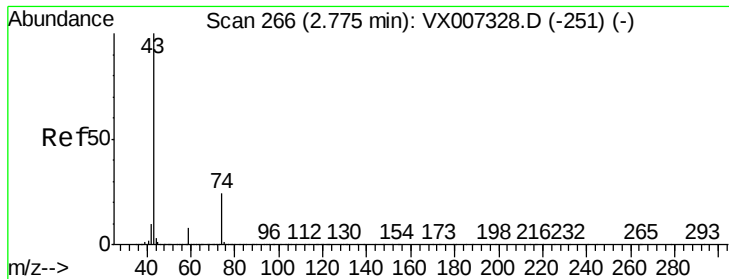
Tot Ion: 43 Resp: 7928
Ion Ratio Lower Upper
43 100
58 29.2 24.9 37.3



#17
Carbon Disulfide
Concen: 2.260 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX007570.D
Acq: 15 Feb 2019 16:11

Tgt Ion: 76 Resp: 1785
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7

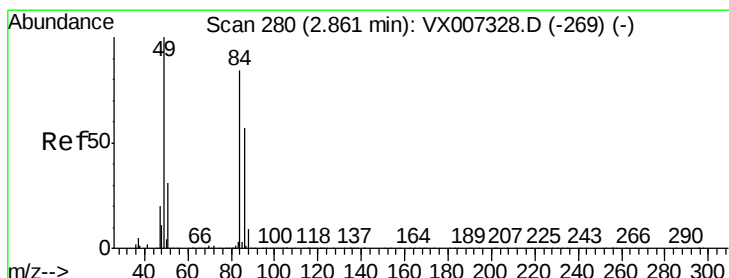
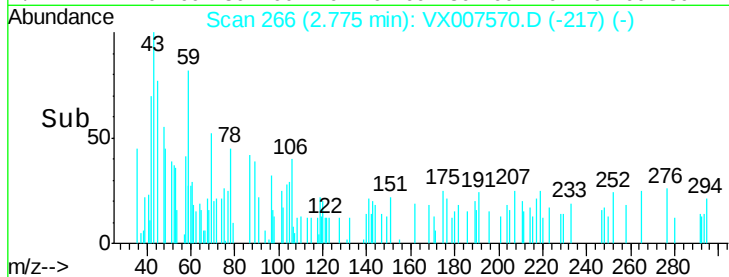
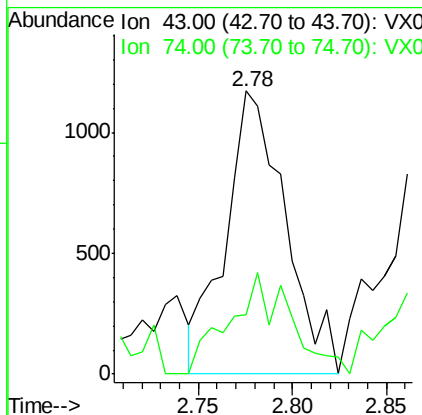
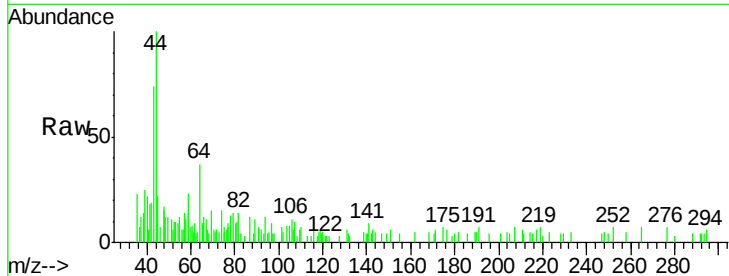




#18
Methvl Acetate
Concen: 1.003 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX007570.D
Acq: 15 Feb 2019 16:11

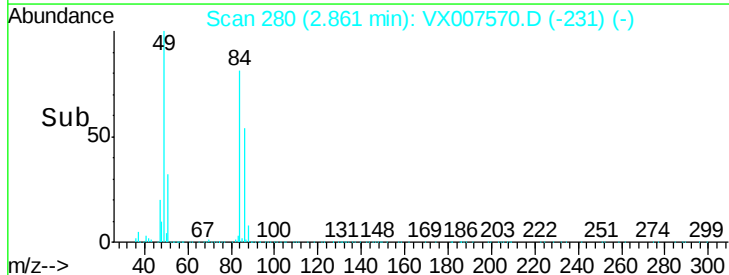
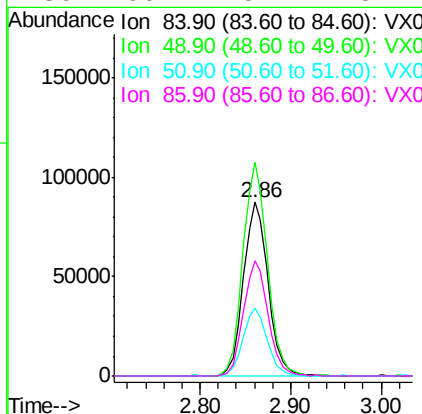
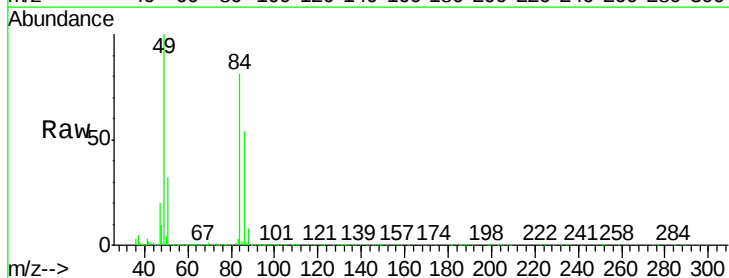
Instrument :
MSVOA_W
ClientSampleId :

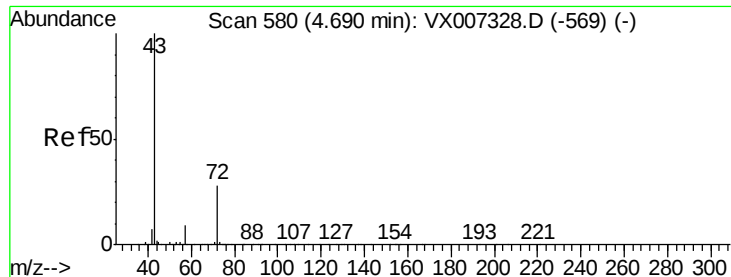
Tot Ion: 43 Resp: 2589
Ion Ratio Lower Upper
43 100
74 36.0 19.4 29.2#



#20
Methylene Chloride
Concen: 33.379 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007570.D
Acq: 15 Feb 2019 16:11

Tgt Ion: 84 Resp: 164157
Ion Ratio Lower Upper
84 100
49 122.9 94.8 142.2
51 39.2 29.8 44.8
86 66.4 54.1 81.1





#25

2-Butanone

Concen: 0.607 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007570.D

Acq: 15 Feb 2019 16:11

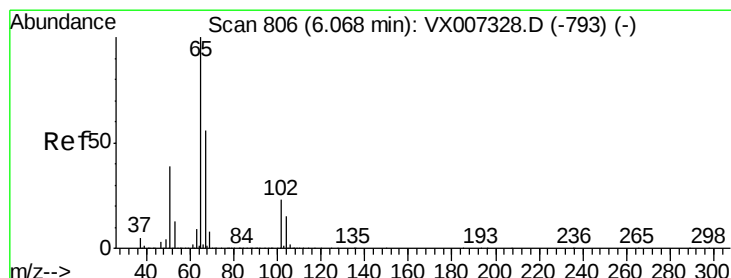
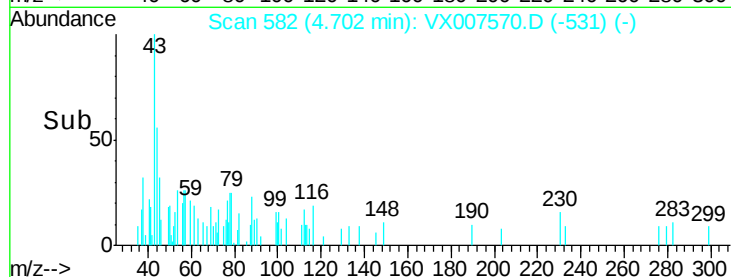
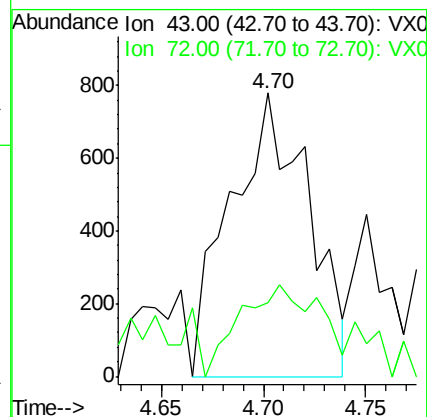
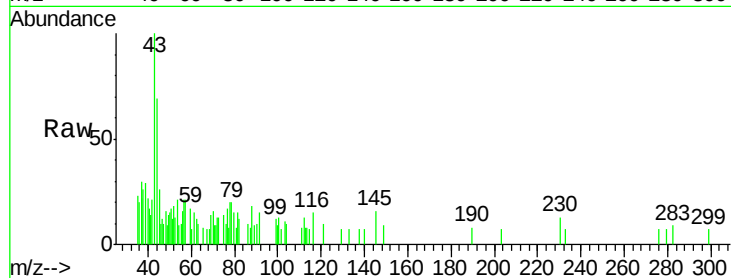
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 2071

Ion Ratio Lower Upper

43 100

72 18.7 22.2 33.2#



#33

1,2-Dichloroethane-d4

Concen: 51.979 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007570.D

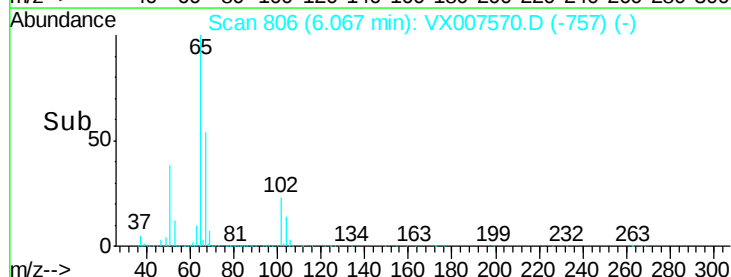
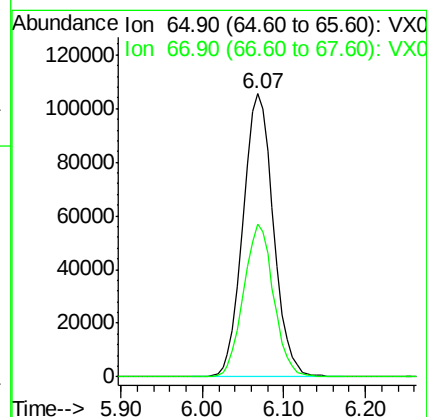
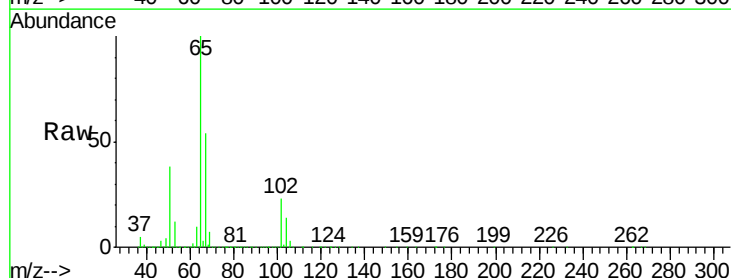
Acq: 15 Feb 2019 16:11

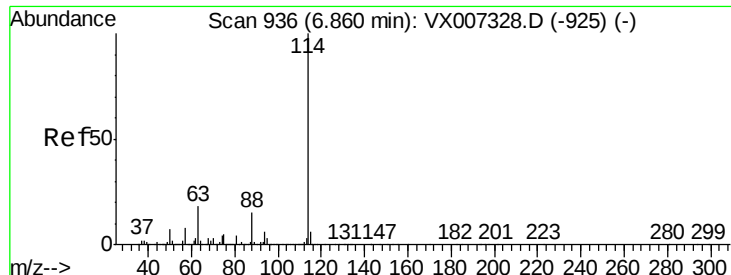
Tgt Ion: 65 Resp: 272150

Ion Ratio Lower Upper

65 100

67 53.2 0.0 108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

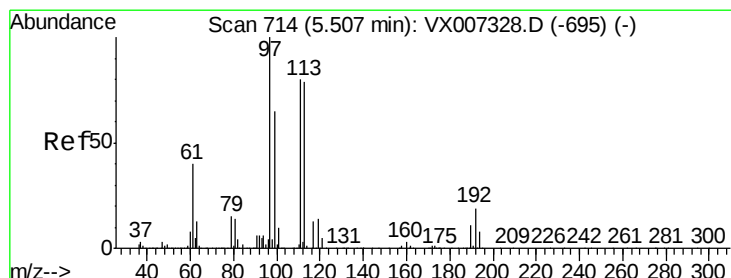
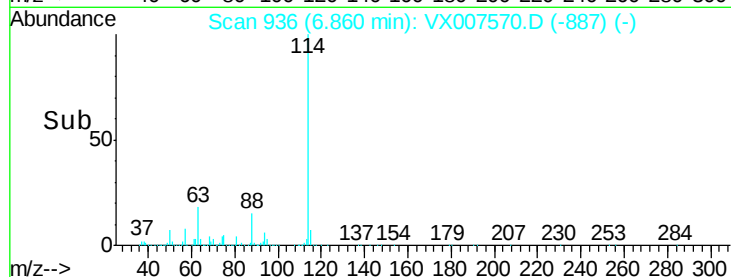
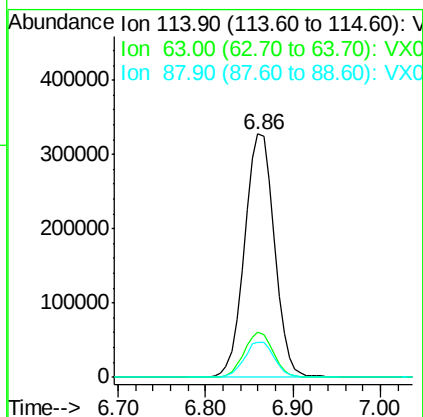
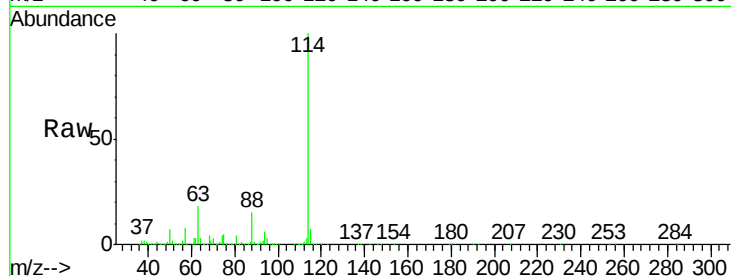
Delta R.T. -0.00 min

Lab File: VX007570.D

Acq: 15 Feb 2019 16:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114	Resp:	777947
Ion Ratio	Lower	Upper
114 100		
63 18.3	0.0	35.6
88 14.5	0.0	29.6



#35

Dibromofluoromethane

Concen: 50.328 ug/l

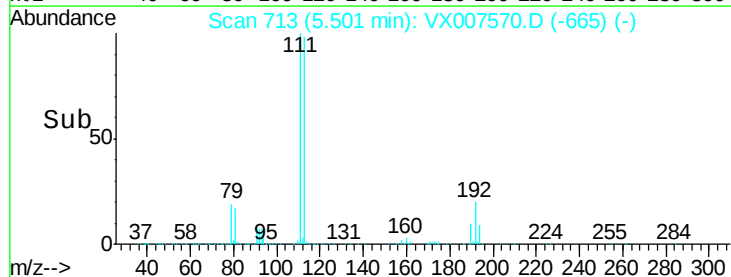
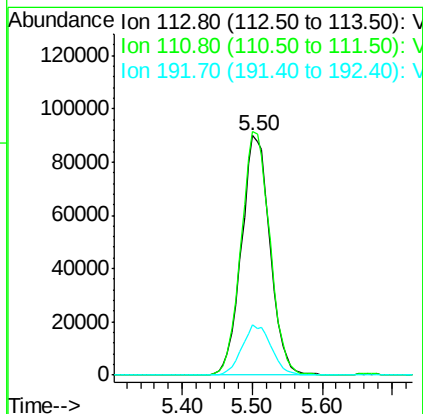
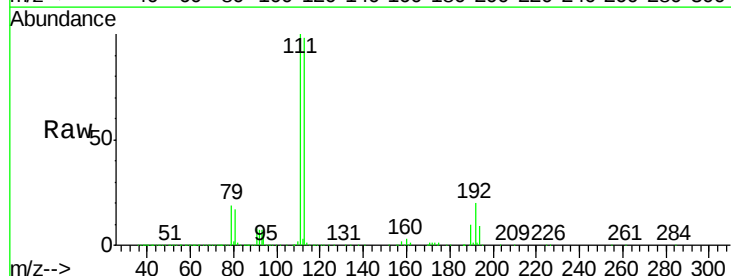
RT: 5.50 min Scan# 713

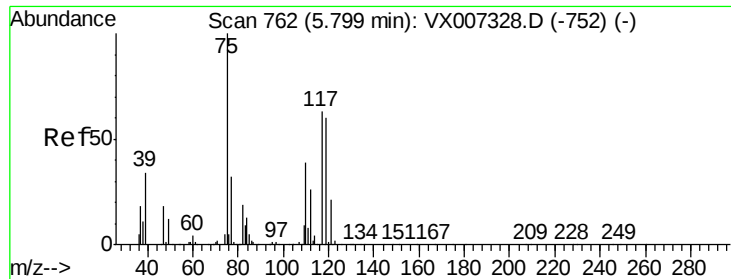
Delta R.T. -0.01 min

Lab File: VX007570.D

Acq: 15 Feb 2019 16:11

Tgt Ion:113	Resp:	254749
Ion Ratio	Lower	Upper
113 100		
111 102.2	81.8	122.8
192 21.3	18.5	27.7

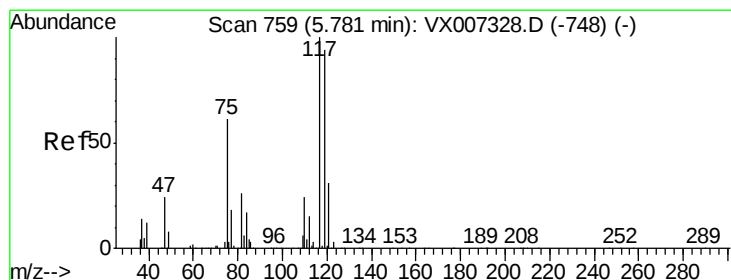
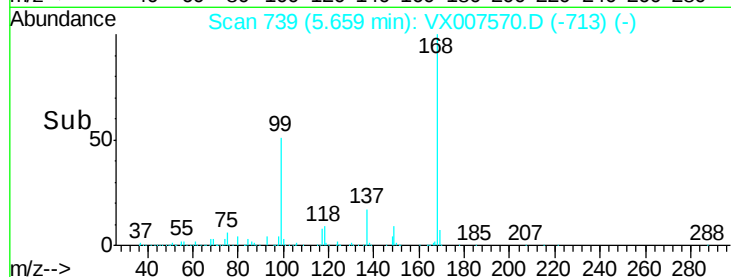
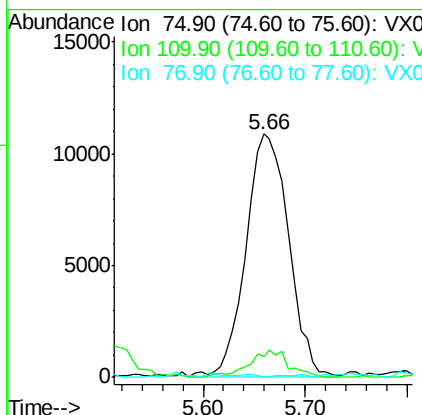
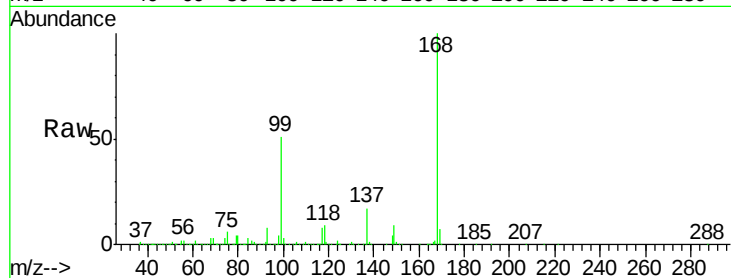




#36
 1,1-Dichloropropene
 Concen: 4.567 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX007570.D
 Acq: 15 Feb 2019 16:11

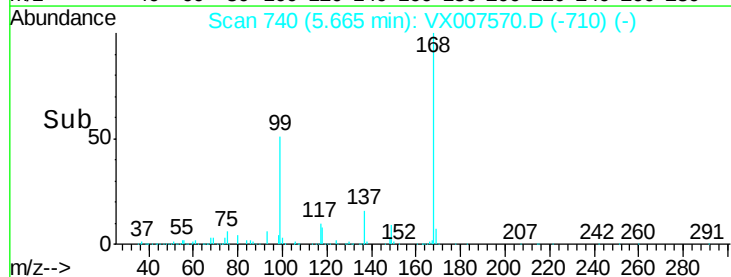
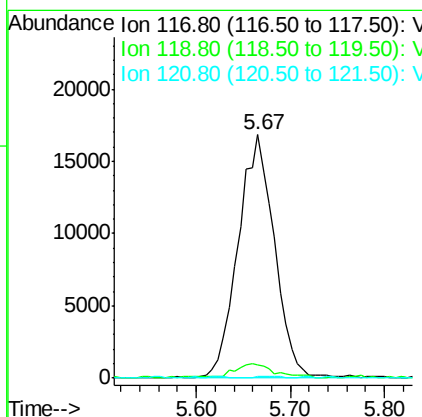
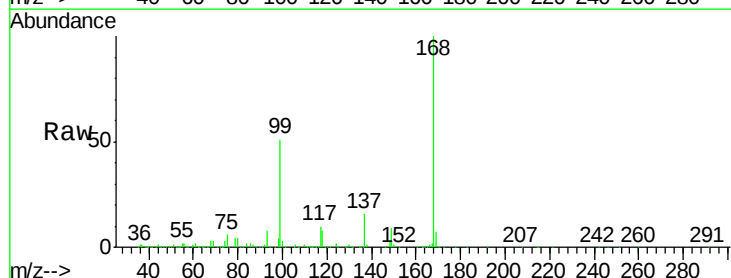
Instrument :
 MSVOA_W
 ClientSampleId :

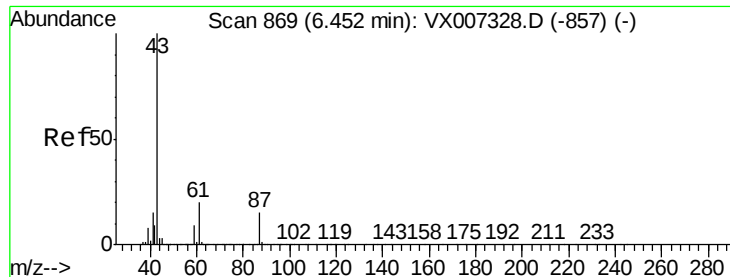
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.3	20.0	59.9#
77	0.5	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.703 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX007570.D
 Acq: 15 Feb 2019 16:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	75.3	112.9#
121	0.5	25.0	37.4#





#43

Isopropyl Acetate

Concen: 0.501 ug/l

RT: 6.46 min Scan# 871

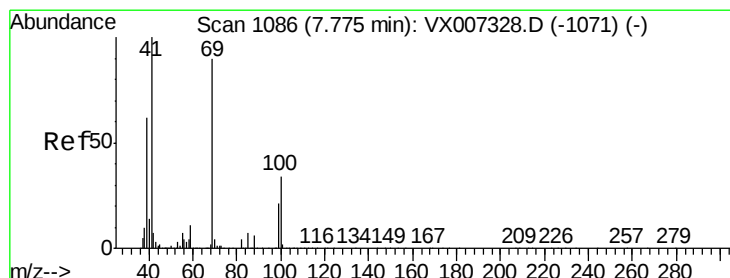
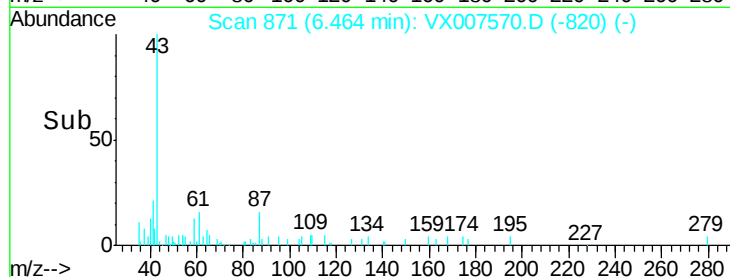
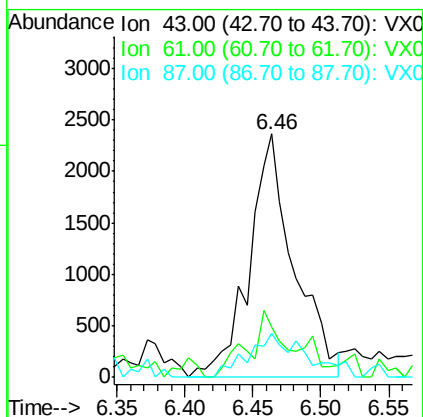
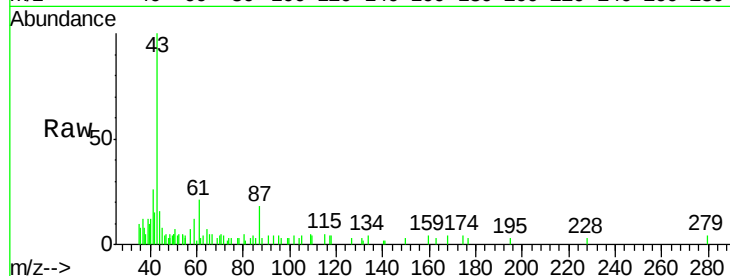
Delta R.T. 0.01 min

Lab File: VX007570.D

Acq: 15 Feb 2019 16:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	43	Resp:	5460
Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.1	24.1
87	20.1	11.5	17.3#



#48

Methyl methacrylate

Concen: 0.633 ug/l

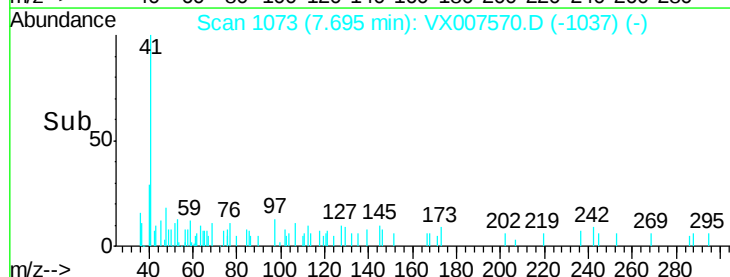
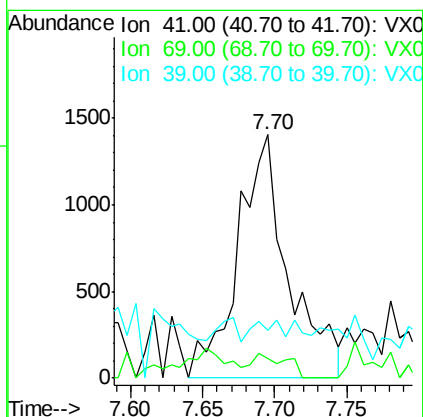
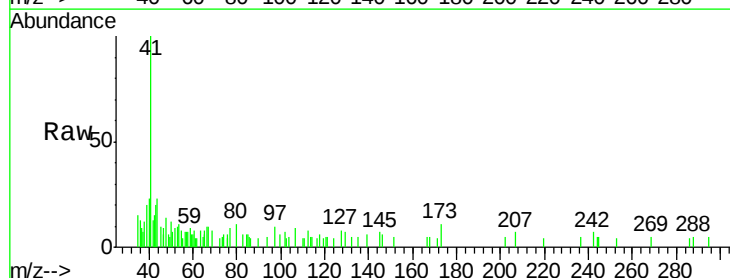
RT: 7.70 min Scan# 1073

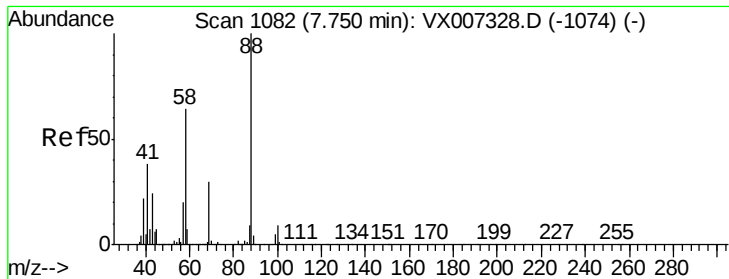
Delta R.T. -0.08 min

Lab File: VX007570.D

Acq: 15 Feb 2019 16:11

Tgt Ion:	41	Resp:	3449
Ion	Ratio	Lower	Upper
41	100		
69	6.8	70.2	105.4#
39	0.0	47.4	71.0#





#49

1,4-Dioxane

Concen: 7.833 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VX007570.D

Acq: 15 Feb 2019 16:11

Instrument :

MSVOA_W

ClientSampled :

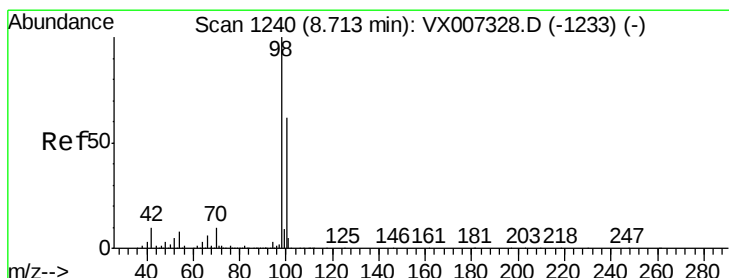
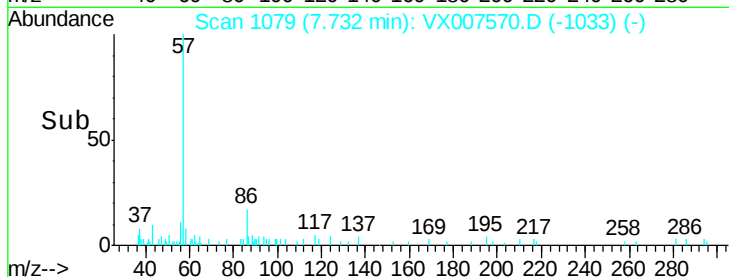
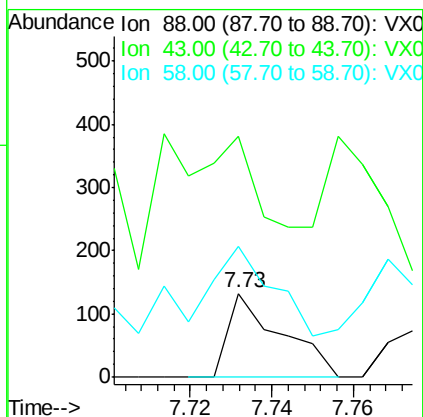
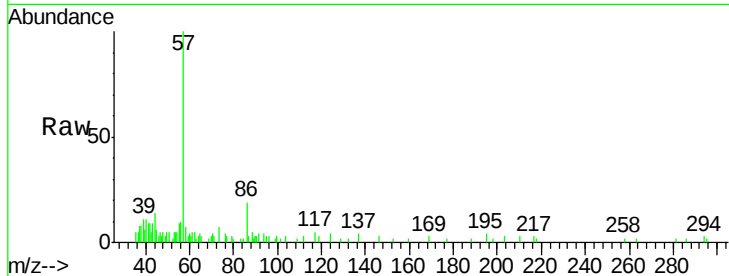
Tot Ion: 88 Resp: 119

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

58 343.7 53.0 79.4#



#50

Toluene-d8

Concen: 48.898 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007570.D

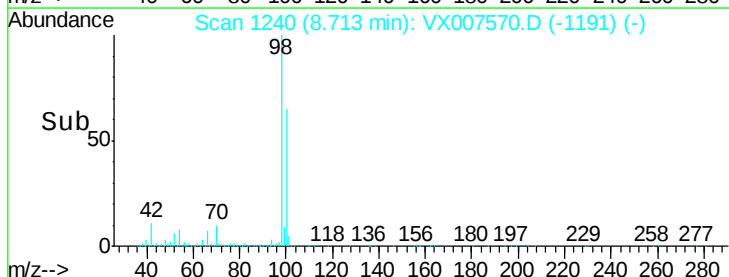
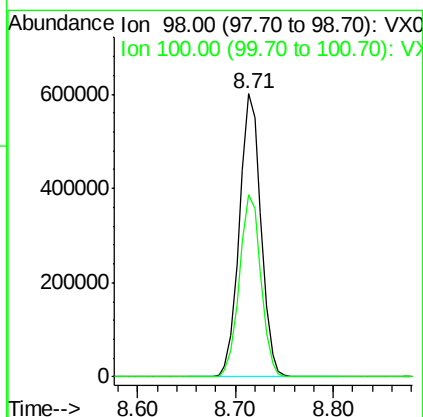
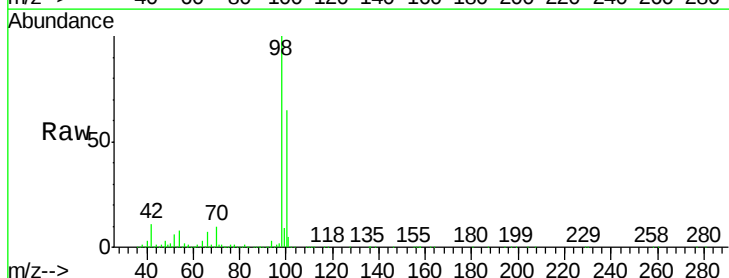
Acq: 15 Feb 2019 16:11

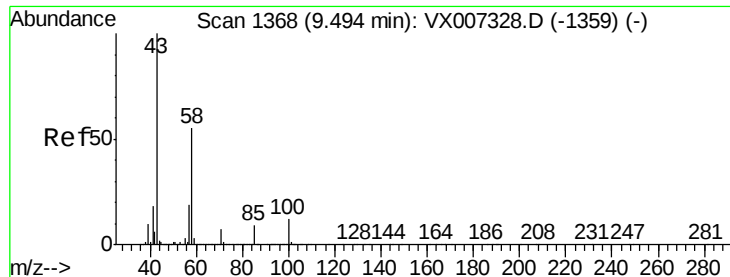
Tgt Ion: 98 Resp: 918312

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4

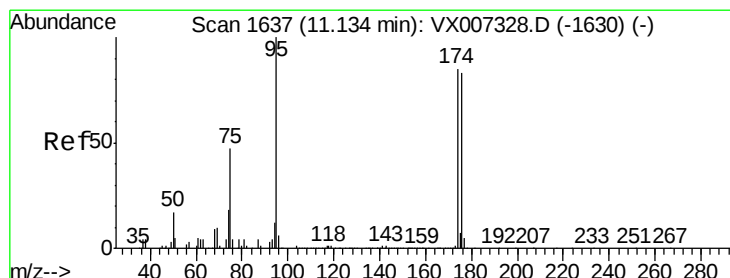
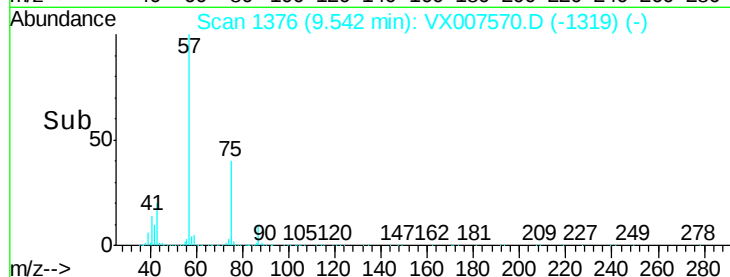
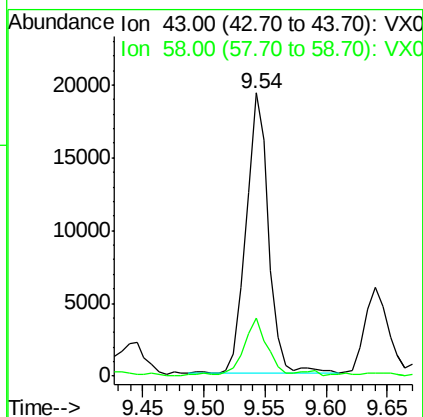
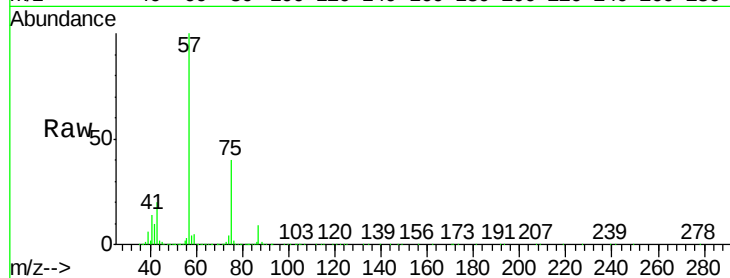




#59
2-Hexanone
Concen: 4.406 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.05 min
Lab File: VX007570.D
Acq: 15 Feb 2019 16:11

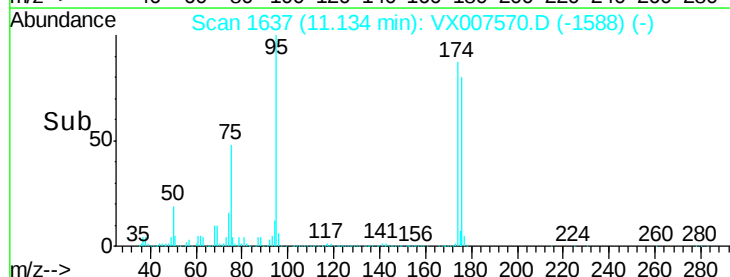
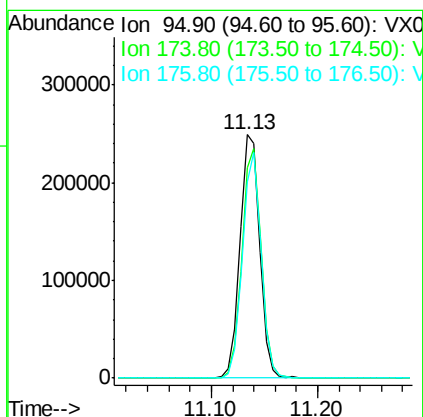
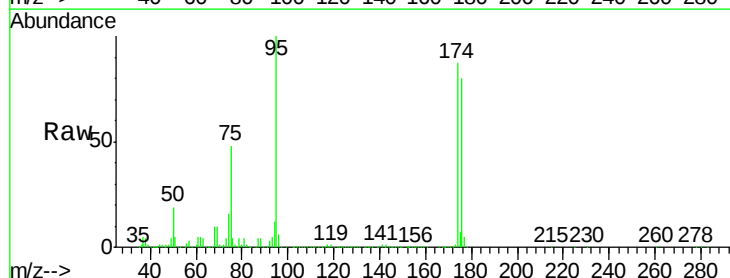
Instrument :
MSVOA_W
ClientSampled :

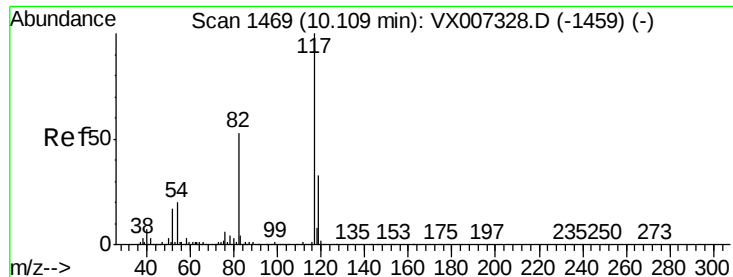
Tot Ion: 43 Resp: 24581
Ion Ratio Lower Upper
43 100
58 21.1 27.1 81.3#



#62
4-Bromofluorobenzene
Concen: 47.344 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007570.D
Acq: 15 Feb 2019 16:11

Tgt Ion: 95 Resp: 324621
Ion Ratio Lower Upper
95 100
174 92.0 0.0 189.2
176 88.1 0.0 186.2

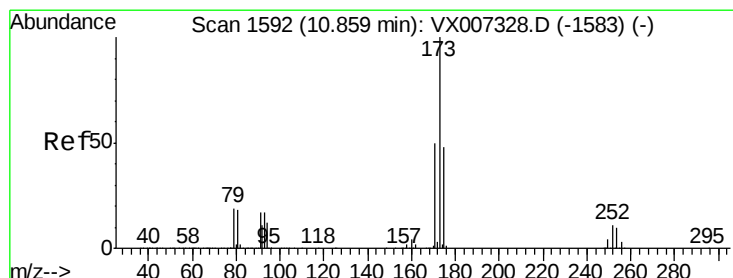
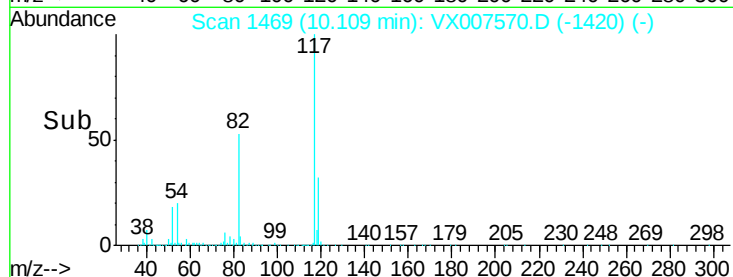
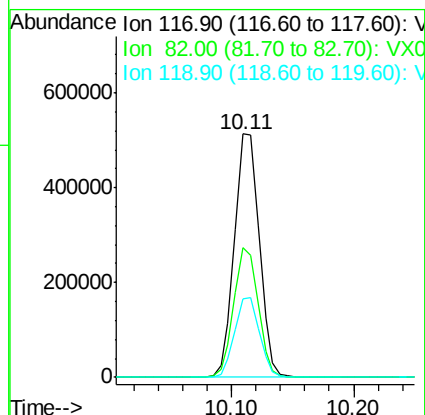
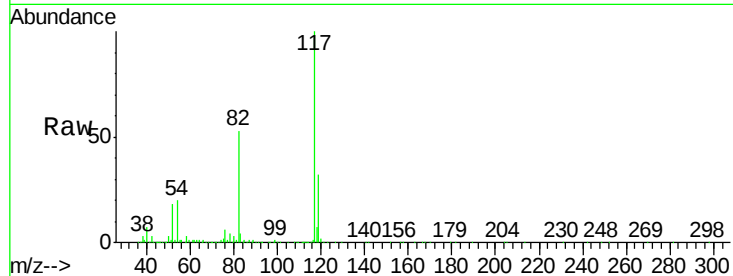




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007570.D
Acq: 15 Feb 2019 16:11

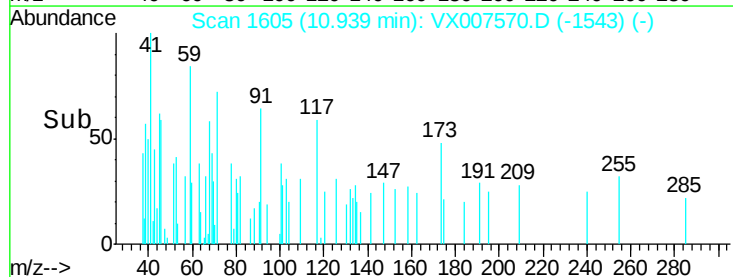
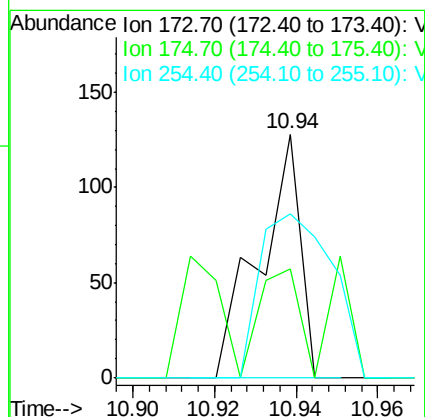
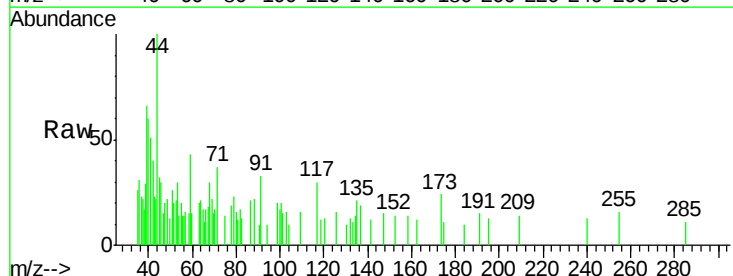
Instrument :
MSVOA_W
ClientSampled :

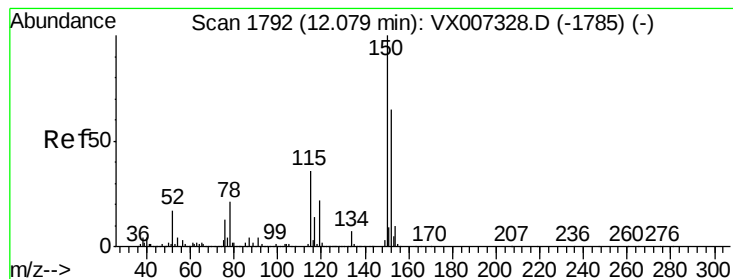
Tot Ion:117 Resp: 720871
Ion Ratio Lower Upper
117 100
82 53.3 42.1 63.1
119 32.4 26.5 39.7



#71
Bromoform
Concen: 4.047 ug/l
RT: 10.94 min Scan# 1605
Delta R.T. 0.08 min
Lab File: VX007570.D
Acq: 15 Feb 2019 16:11

Tgt Ion:173 Resp: 90
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 118.9 0.2 0.2#



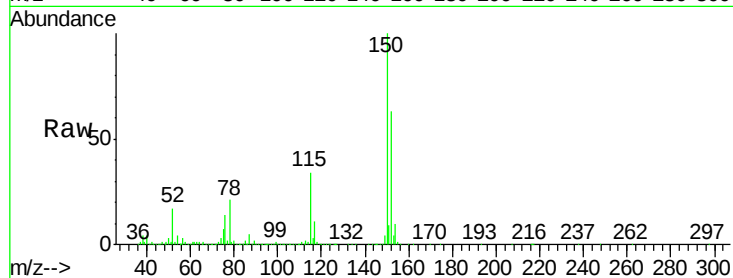


#72

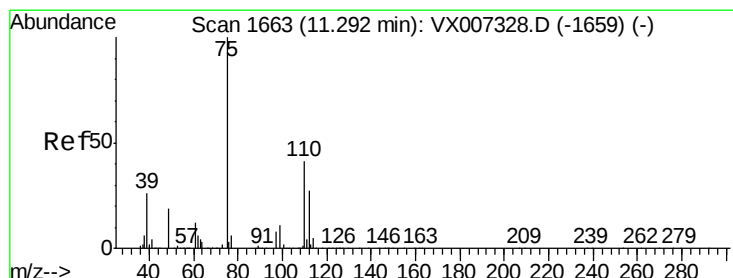
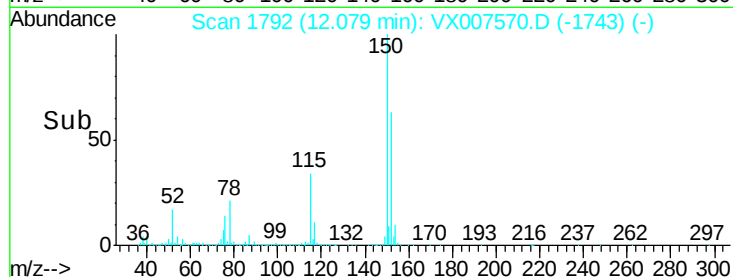
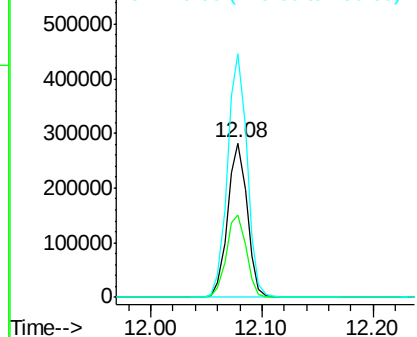
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007570.D
Acq: 15 Feb 2019 16:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.7	38.0	114.0
150	158.1	0.0	346.4



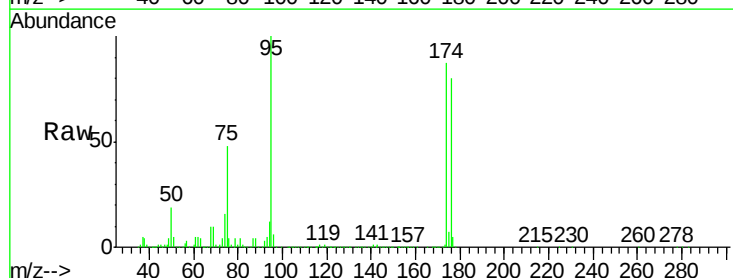
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



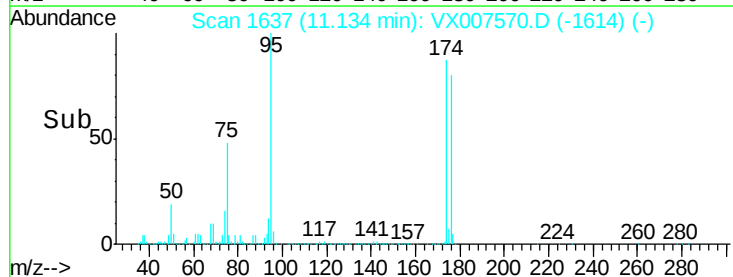
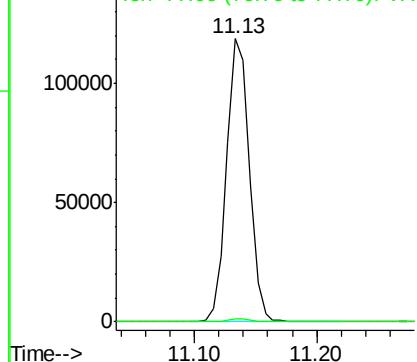
#76

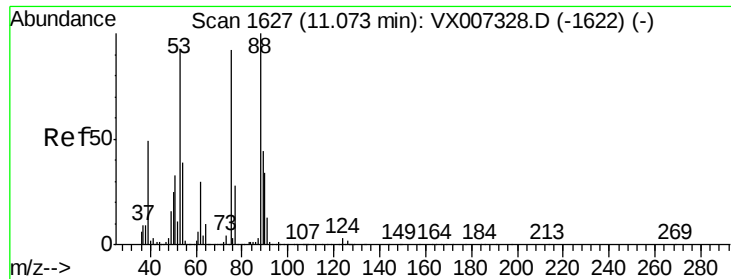
1,2,3-Trichloropropane
Concen: 22.942 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007570.D
Acq: 15 Feb 2019 16:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	23.0	69.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0

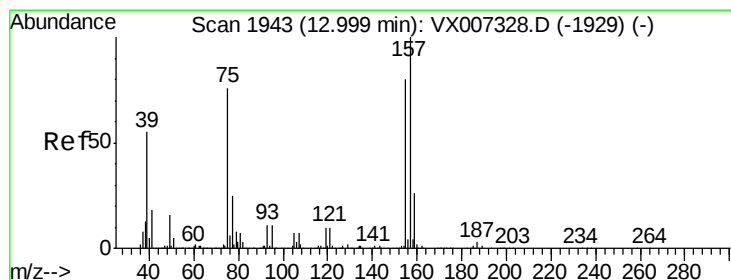
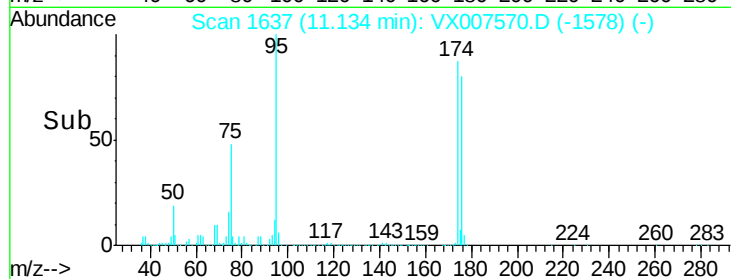
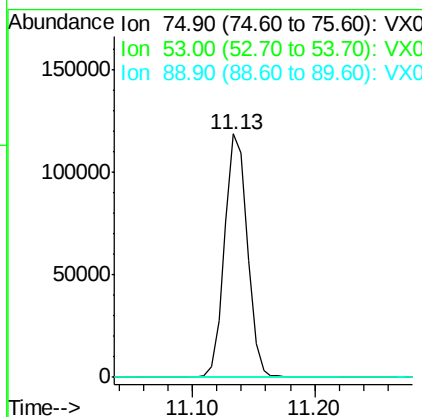
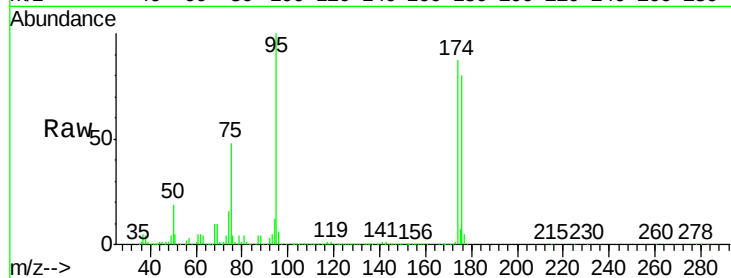




#81
trans-1,4-Dichloro-2-butene
Concen: 69.143 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX007570.D
Acq: 15 Feb 2019 16:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 152671
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.6#
89 0.2 41.4 62.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.204 ug/l
RT: 13.02 min Scan# 1946
Delta R.T. 0.02 min
Lab File: VX007570.D
Acq: 15 Feb 2019 16:11

Tgt Ion: 75 Resp: 300
Ion Ratio Lower Upper
75 100
155 0.0 49.6 149.0#
157 0.0 65.1 195.3#

