

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101019\
 Data File : VX012983.D
 Acq On : 10 Oct 2019 10:12
 Operator : JC/SP
 Sample : VX1010WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBL01

Quant Time: Oct 11 04:31:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	179699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	300953	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	256647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100368	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	114961	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
35) Dibromofluoromethane	5.48	113	90575	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
50) Toluene-d8	8.71	98	350185	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
62) 4-Bromofluorobenzene	11.14	95	121597	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	

Target Compounds

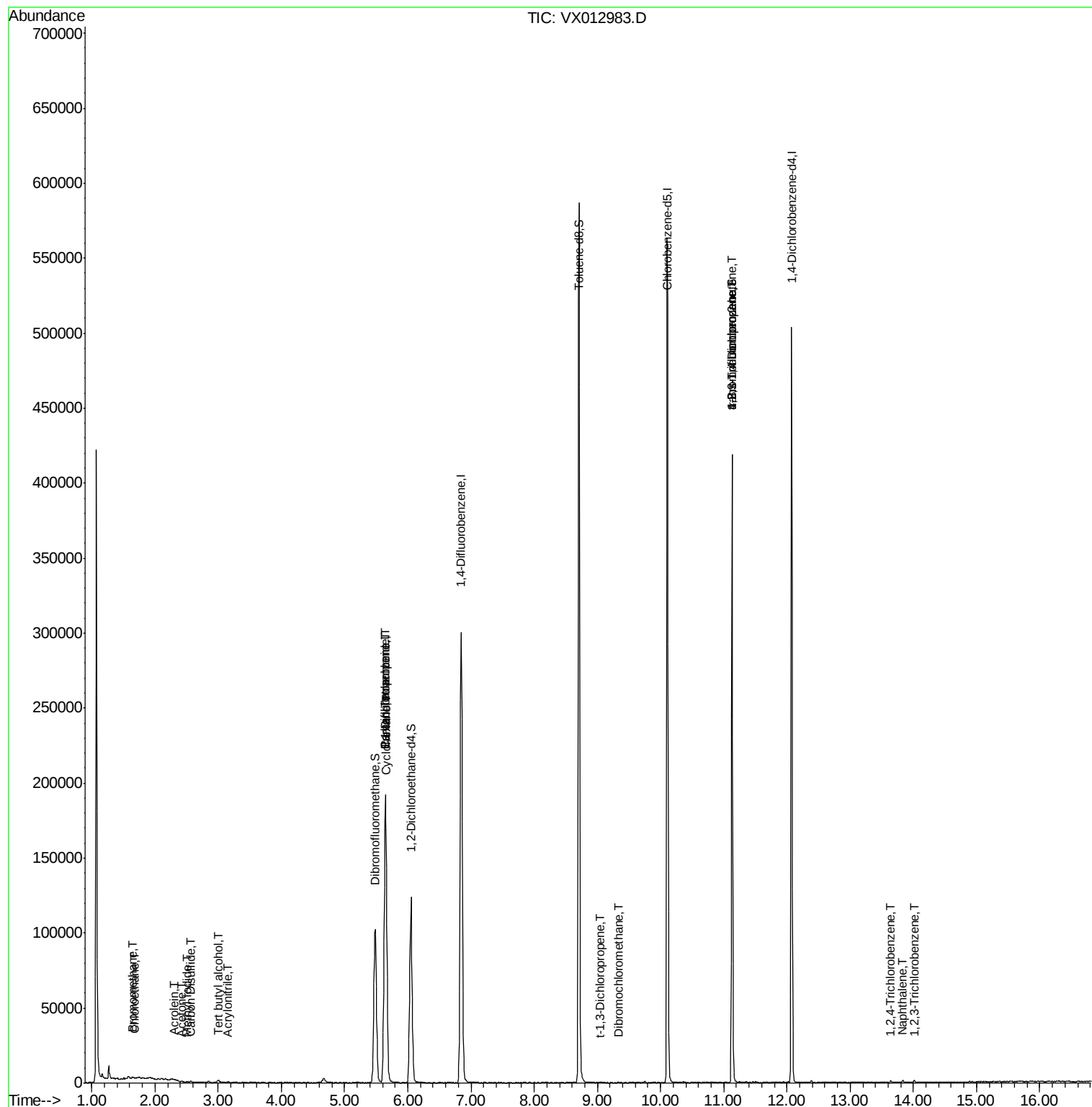
						Qvalue
5) Bromomethane	1.64	94	486	0.568	ug/l #	67
6) Chloroethane	1.67	64	277	0.586	ug/l	93
10) Methyl Iodide	2.50	142	369	5.244	ug/l #	72
11) Tert butyl alcohol	3.01	59	1074	1.804	ug/l #	72
13) Acrolein	2.30	56	245	0.579	ug/l #	55
15) Acrylonitrile	3.14	53	268	0.238	ug/l #	90
16) Acetone	2.42	43	583	0.492	ug/l #	43
17) Carbon Disulfide	2.56	76	1259	0.243	ug/l	98
28) Bromochloromethane	5.01	49	24	Below Cal	#	13
31) Cyclohexane	5.66	56	3895	1.195	ug/l #	60
36) 1,1-Dichloropropene	5.65	75	14609	5.521	ug/l #	50
38) Carbon Tetrachloride	5.65	117	19162	7.440	ug/l #	17
53) t-1,3-Dichloropropene	9.04	75	105	2.200	ug/l #	42
60) Dibromochloromethane	9.33	129	73	1.889	ug/l #	10
76) 1,2,3-Trichloropropane	11.13	75	61367	27.566	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	61367	69.180	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.64	180	494	0.249	ug/l	89
95) Naphthalene	13.83	128	1525	0.222	ug/l #	86
96) 1,2,3-Trichlorobenzene	14.01	180	428	0.209	ug/l	97

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

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Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX012983.D

Acq: 10 Oct 2019 10:12

Instrument :

MSVOA_X

ClientSampleId :

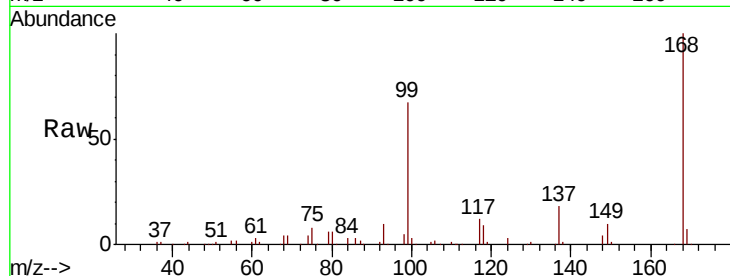
VX1010WBL01

Tot Ion:168 Resp: 179699

Ion Ratio Lower Upper

168 100

99 66.7 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

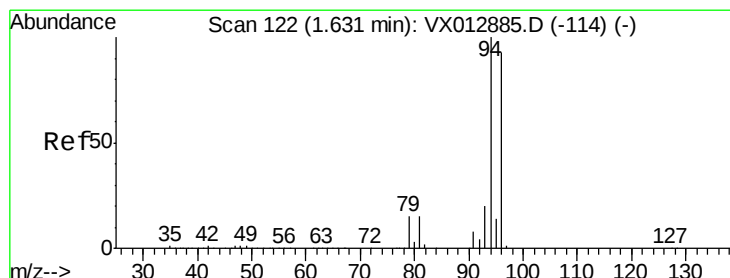
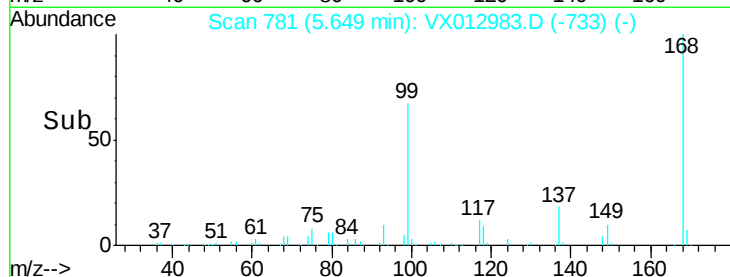
60000

40000

20000

0

Time--> 5.50 5.60 5.70



#5

Bromomethane

Concen: 0.568 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX012983.D

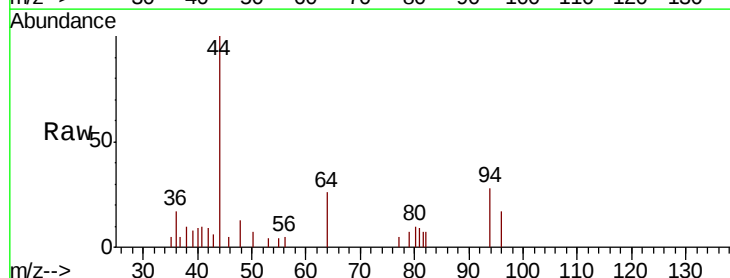
Acq: 10 Oct 2019 10:12

Tgt Ion: 94 Resp: 486

Ion Ratio Lower Upper

94 100

96 61.3 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

400

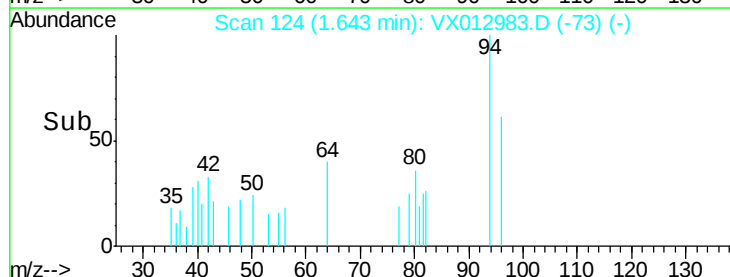
300

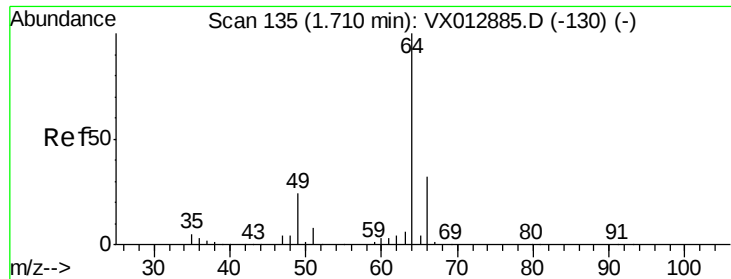
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.586 ug/l

RT: 1.67 min Scan# 129

Delta R.T. -0.04 min

Lab File: VX012983.D

Acq: 10 Oct 2019 10:12

Instrument :

MSVOA_X

ClientSampleId :

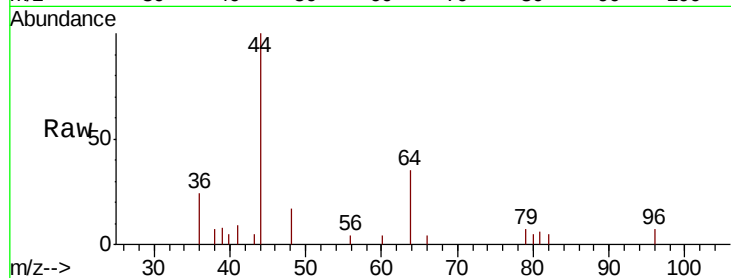
VX1010WBL01

Tot Ion: 64 Resp: 277

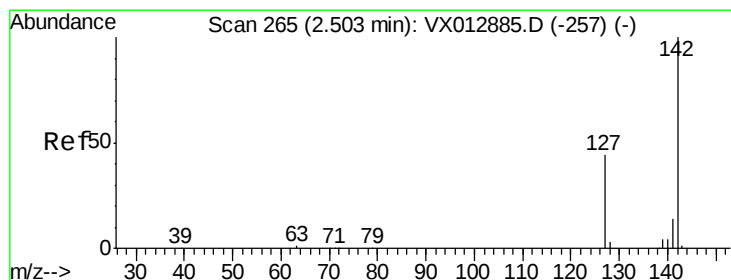
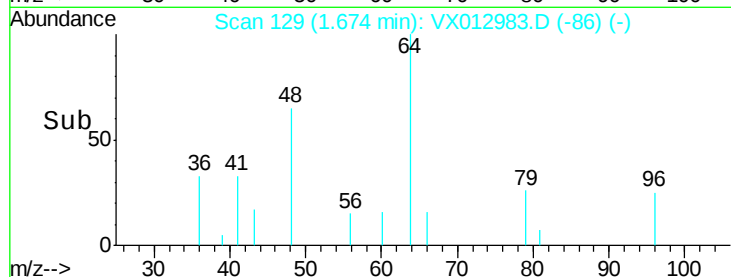
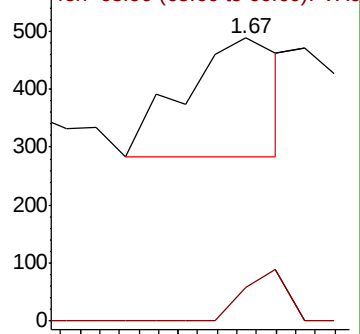
Ion Ratio Lower Upper

64 100

66 27.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX012983.D (-129) (-)



#10

Methyl Iodide

Concen: 5.244 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX012983.D

Acq: 10 Oct 2019 10:12

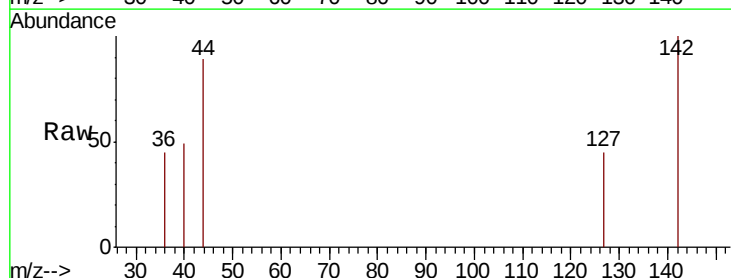
Tgt Ion: 142 Resp: 369

Ion Ratio Lower Upper

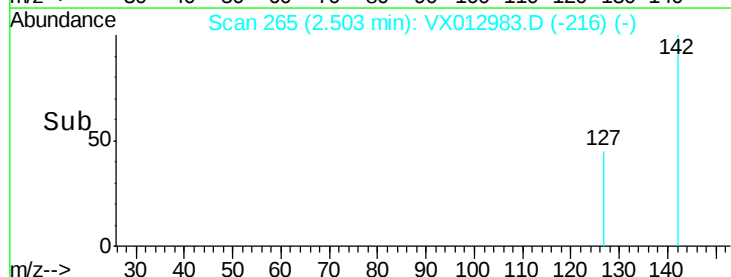
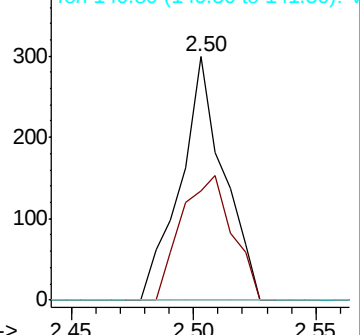
142 100

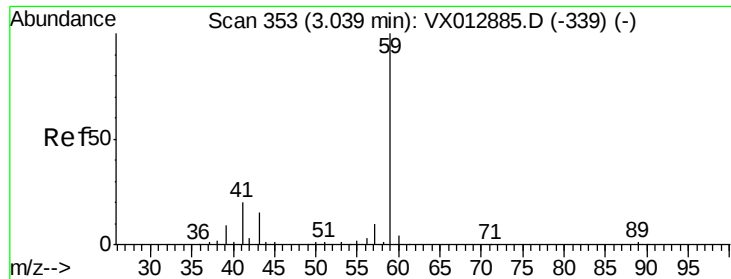
127 60.2 34.9 52.3#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VX012983.D (-265) (-)

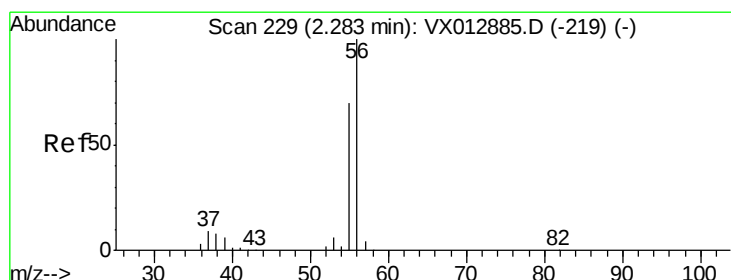
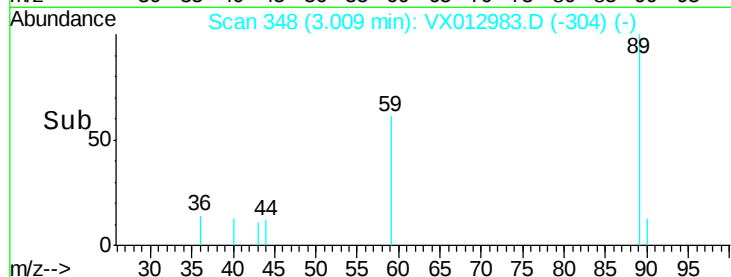
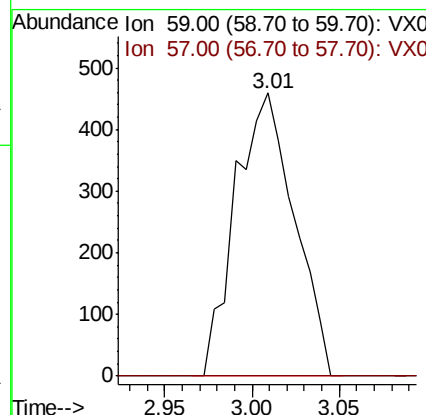
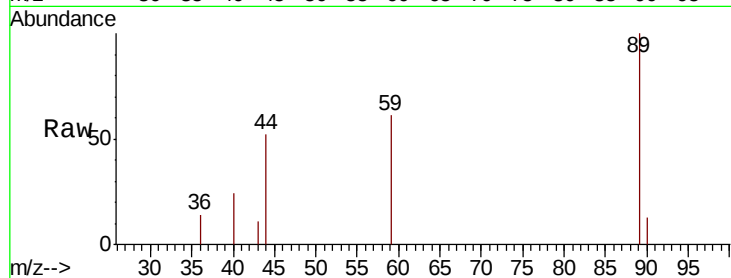




#11
Tert butyl alcohol
Concen: 1.804 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012983.D
Acq: 10 Oct 2019 10:12

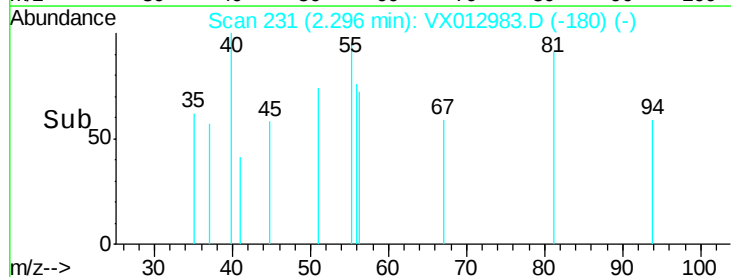
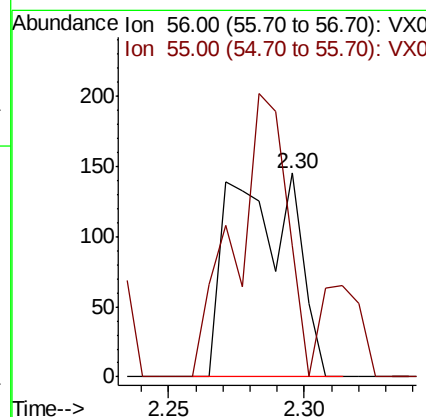
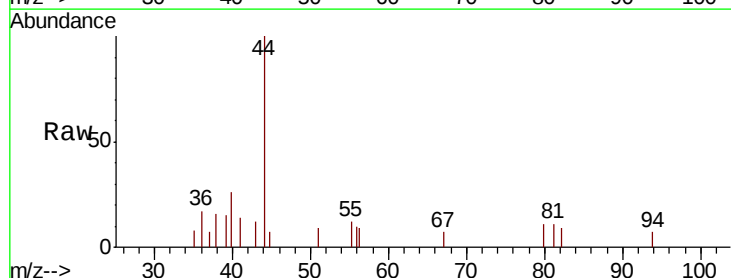
Instrument :
MSVOA_X
ClientSampleId :
VX1010WBL01

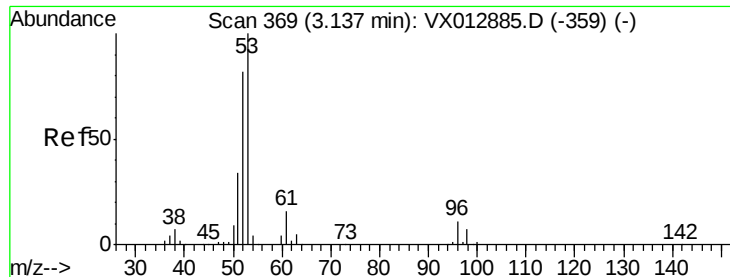
Tot Ion: 59 Resp: 1074
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.579 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX012983.D
Acq: 10 Oct 2019 10:12

Tgt Ion: 56 Resp: 245
Ion Ratio Lower Upper
56 100
55 107.8 56.6 85.0#





#15

Acrylonitrile

Concen: 0.238 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.01 min

Lab File: VX012983.D

Acq: 10 Oct 2019 10:12

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBL01

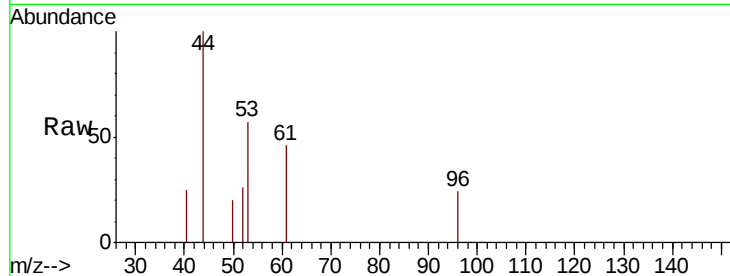
Tot Ion: 53 Resp: 268

Ion Ratio Lower Upper

53 100

52 88.4 66.2 99.2

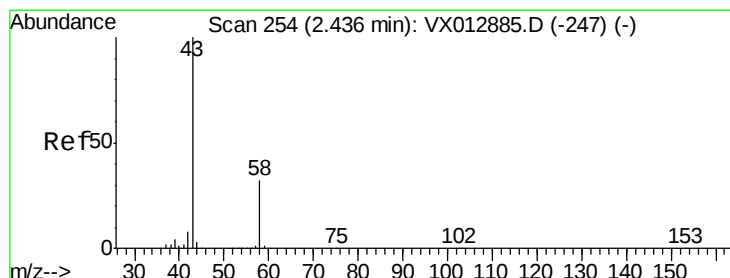
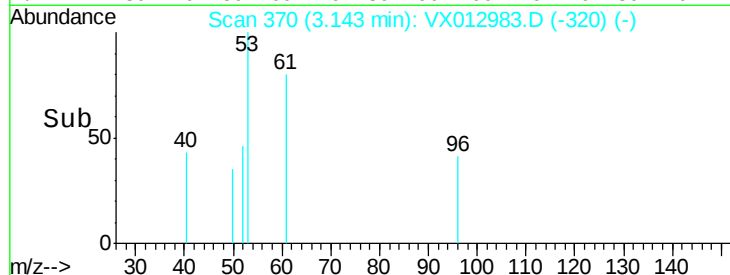
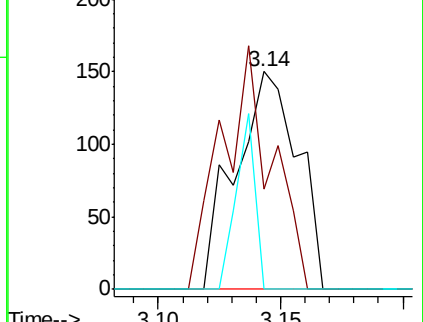
51 23.9 28.2 42.4#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.492 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX012983.D

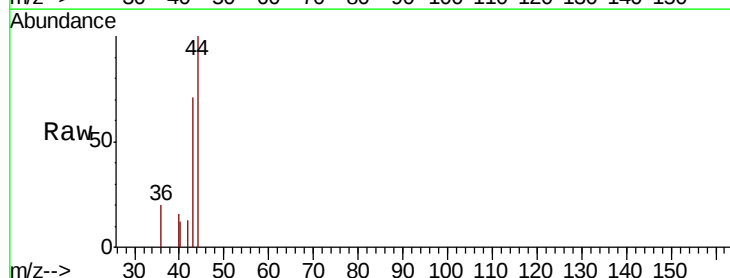
Acq: 10 Oct 2019 10:12

Tgt Ion: 43 Resp: 583

Ion Ratio Lower Upper

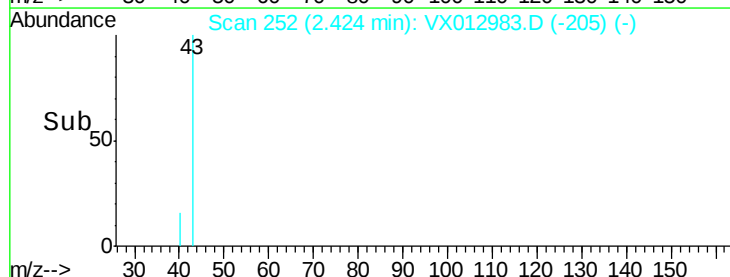
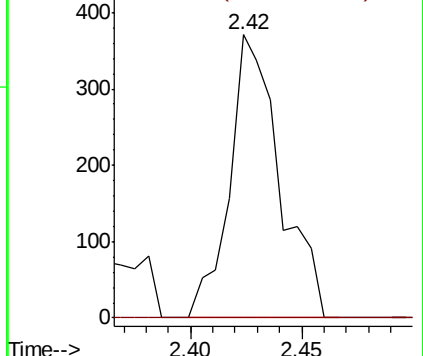
43 100

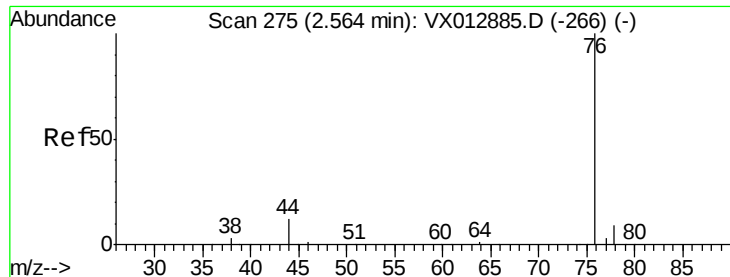
58 0.0 25.4 38.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

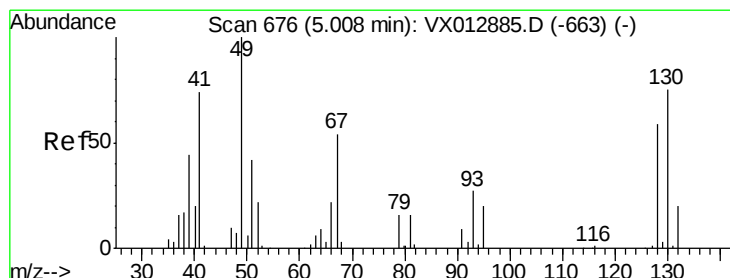
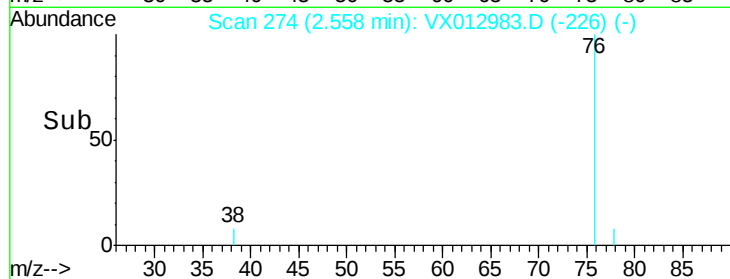
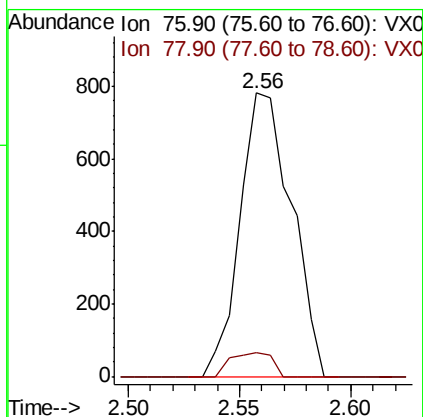
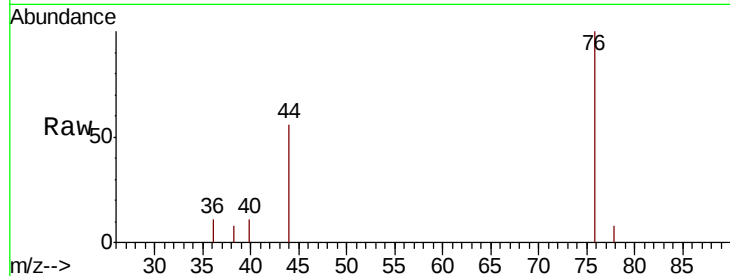




#17
Carbon Disulfide
Concen: 0.243 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX012983.D
Acq: 10 Oct 2019 10:12

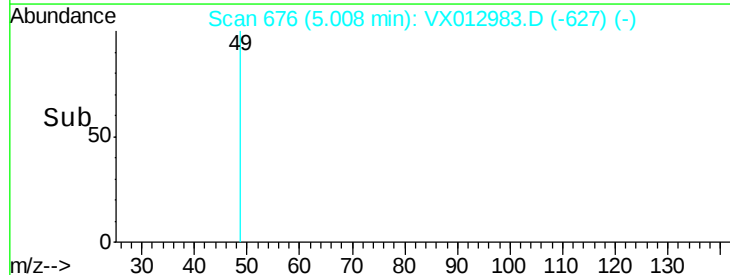
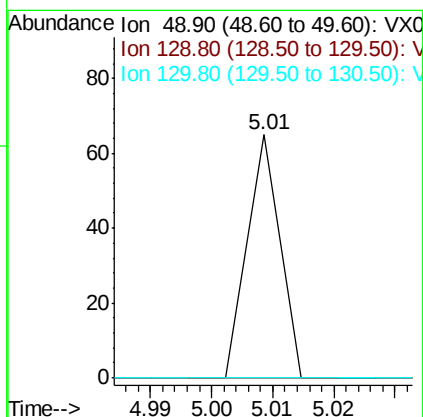
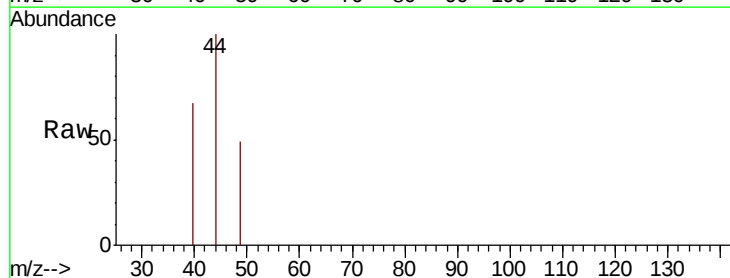
Instrument :
MSVOA_X
ClientSampleId :
VX1010WBL01

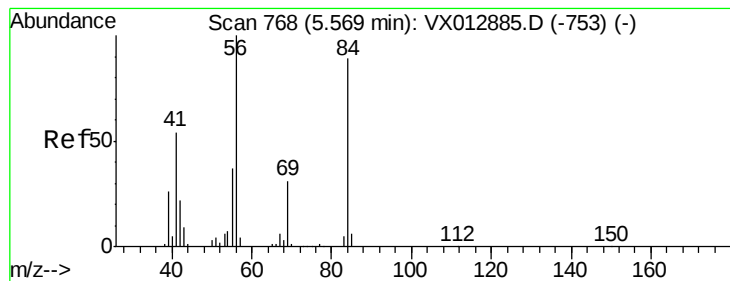
Tot Ion: 76 Resp: 1259
Ion Ratio Lower Upper
76 100
78 8.3 7.1 10.7



#28
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 676
Delta R.T. 0.00 min
Lab File: VX012983.D
Acq: 10 Oct 2019 10:12

Tgt Ion: 49 Resp: 24
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 62.1 93.1#





#31

Cyclohexane

Concen: 1.195 ug/l

RT: 5.66 min Scan# 783

Delta R.T. 0.09 min

Lab File: VX012983.D

Acq: 10 Oct 2019 10:12

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBL01

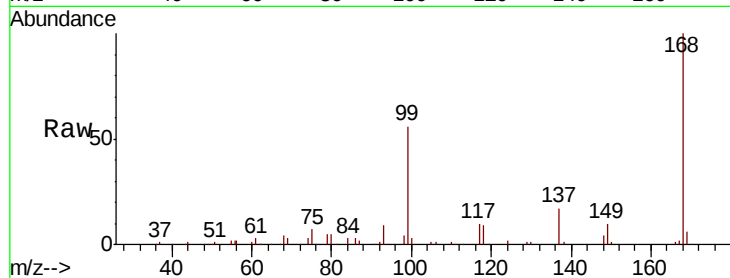
Tot Ion: 56 Resp: 3895

Ion Ratio Lower Upper

56 100

69 114.2 25.2 37.8#

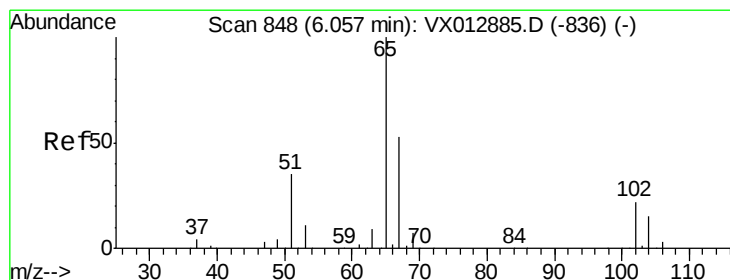
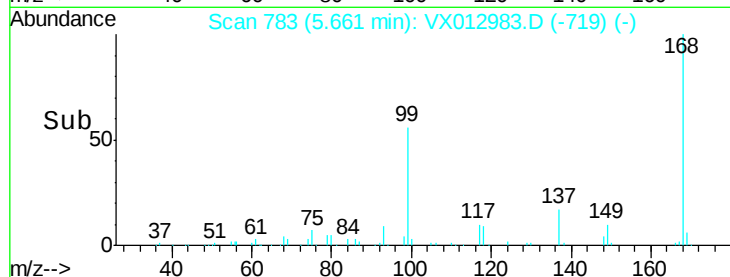
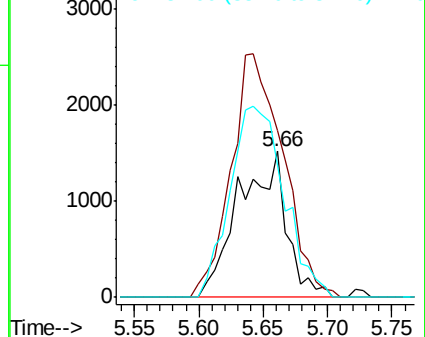
84 90.8 71.3 106.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.185 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX012983.D

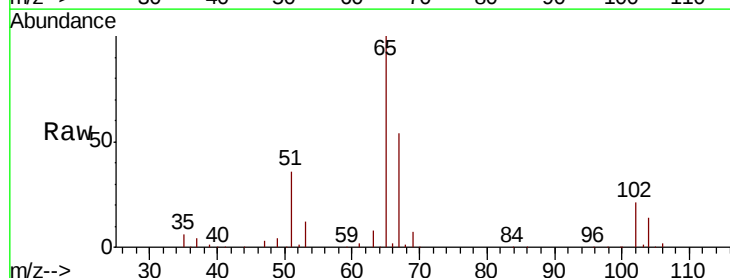
Acq: 10 Oct 2019 10:12

Tgt Ion: 65 Resp: 114961

Ion Ratio Lower Upper

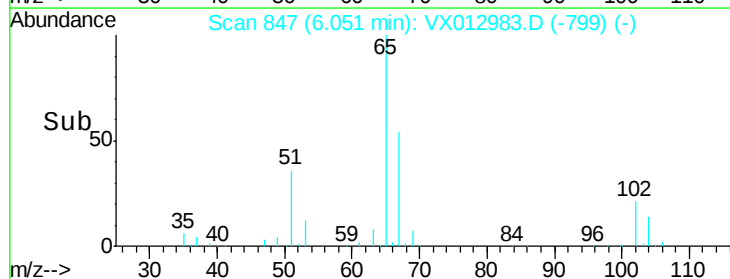
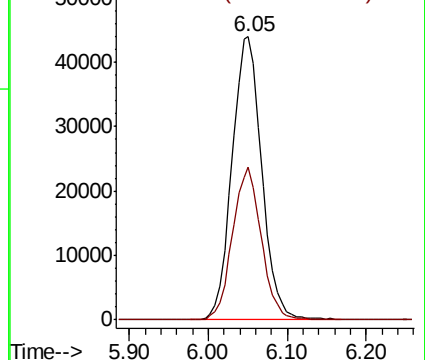
65 100

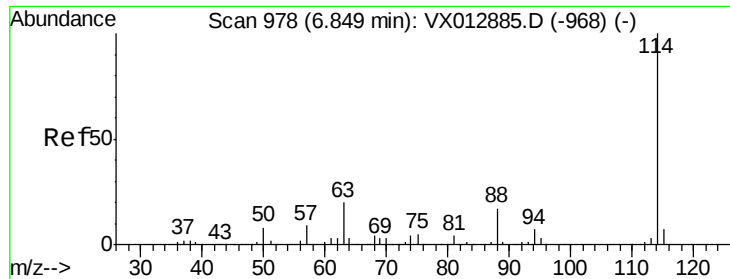
67 52.3 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

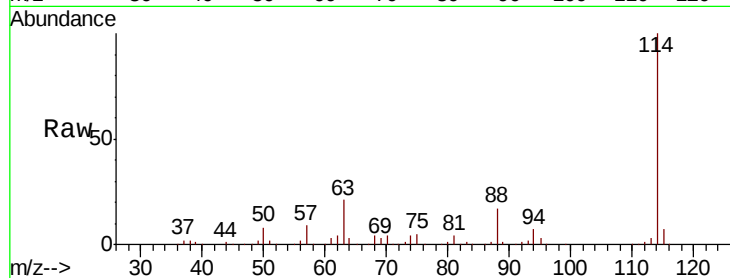




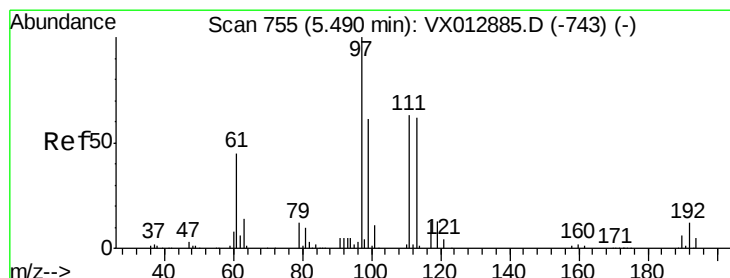
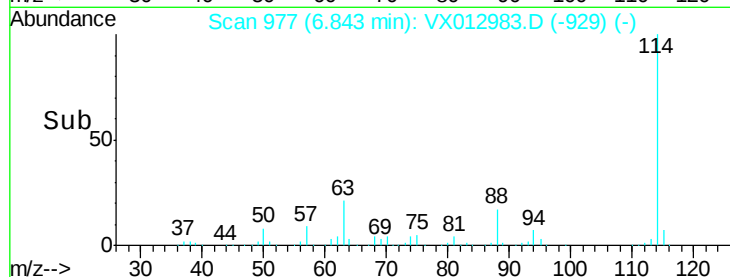
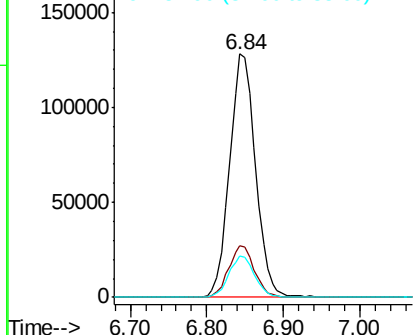
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.84 min Scan# 977
Delta R.T. -0.01 min
Lab File: VX012983.D
Acq: 10 Oct 2019 10:12

Instrument :
MSVOA_X
ClientSampleId :
VX1010WBL01

Tot Ion:114 Resp: 300953
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 17.2 0.0 33.8

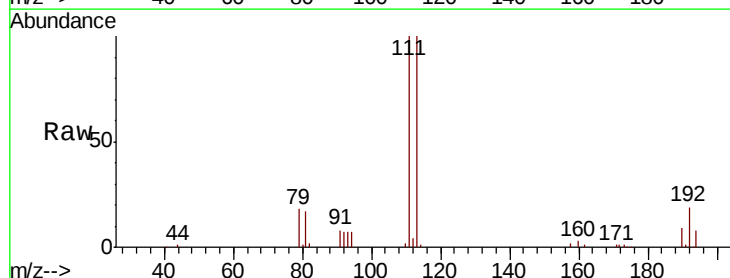


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

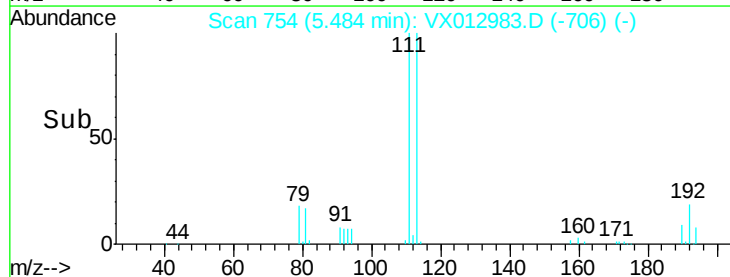
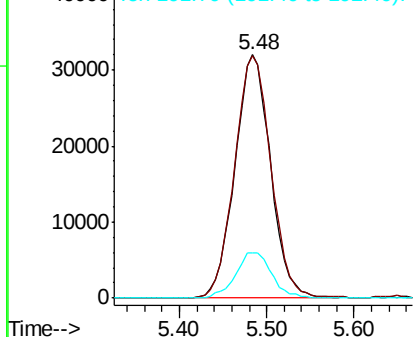


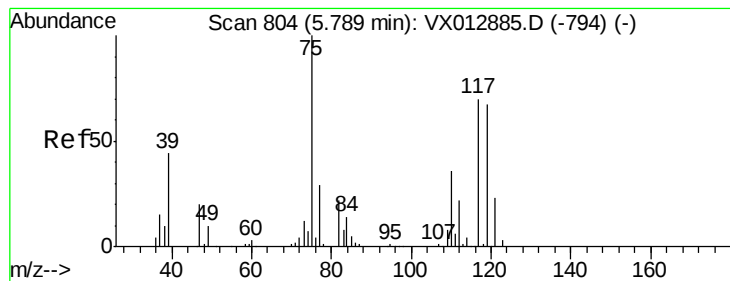
#35
Dibromofluoromethane
Concen: 52.437 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX012983.D
Acq: 10 Oct 2019 10:12

Tgt Ion:113 Resp: 90575
Ion Ratio Lower Upper
113 100
111 102.0 83.2 124.8
192 18.9 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.521 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012983.D

Acq: 10 Oct 2019 10:12

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBL01

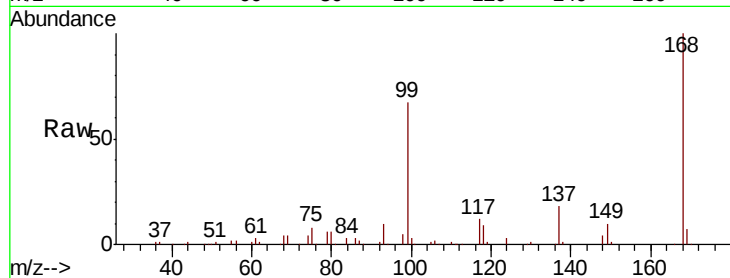
Tot Ion: 75 Resp: 14609

Ion Ratio Lower Upper

75 100

110 8.9 17.6 52.9#

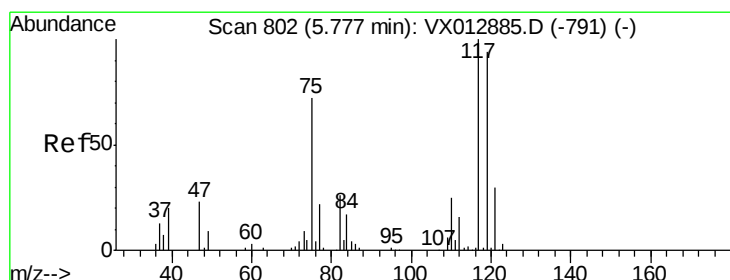
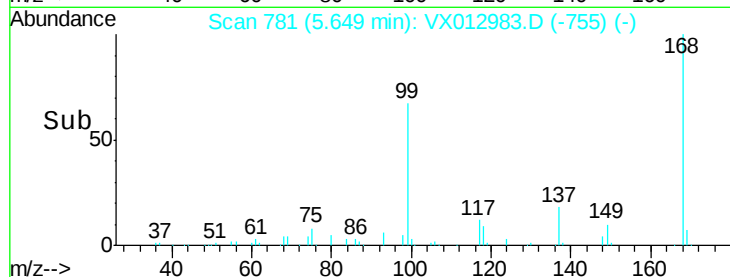
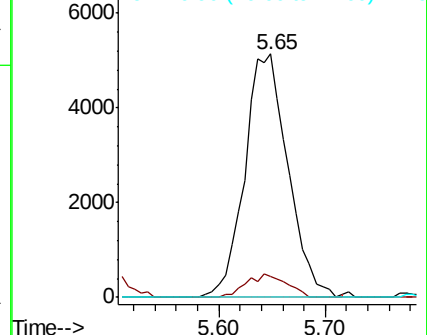
77 0.0 24.4 36.6#



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: 7.440 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012983.D

Acq: 10 Oct 2019 10:12

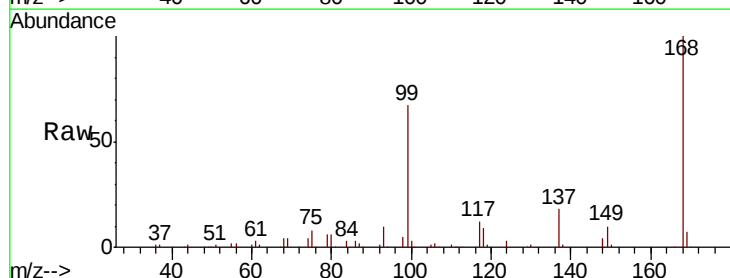
Tgt Ion: 117 Resp: 19162

Ion Ratio Lower Upper

117 100

119 4.9 74.5 111.7#

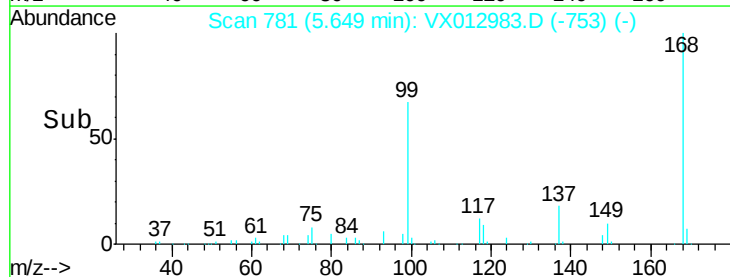
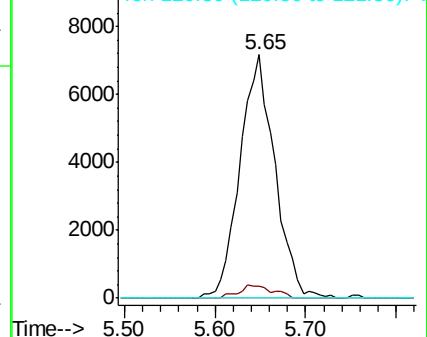
121 0.0 24.2 36.4#

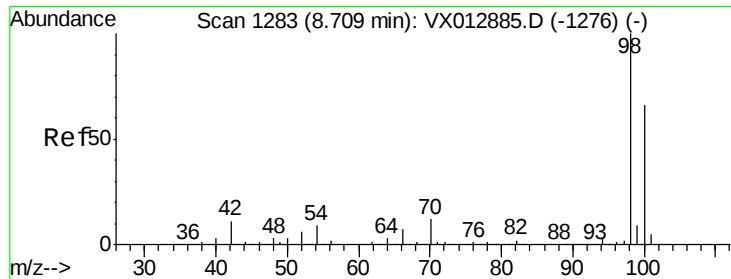


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

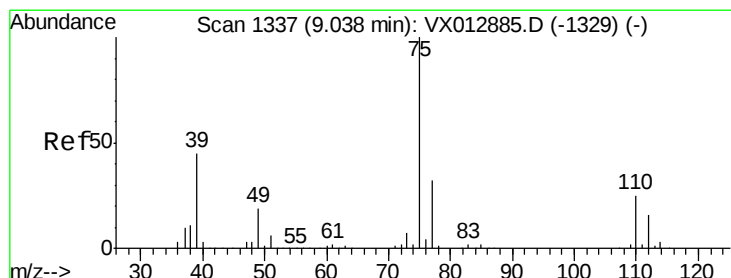
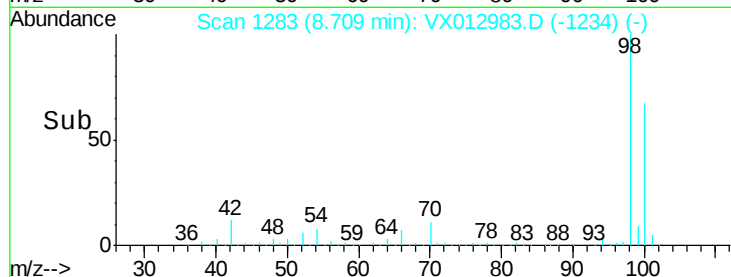
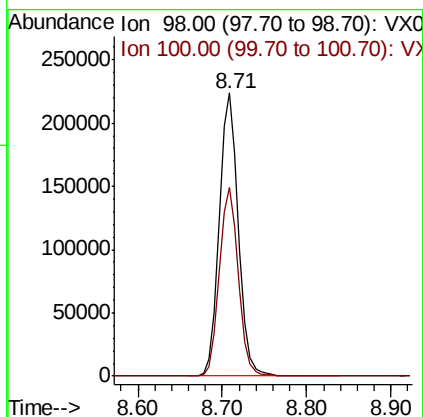
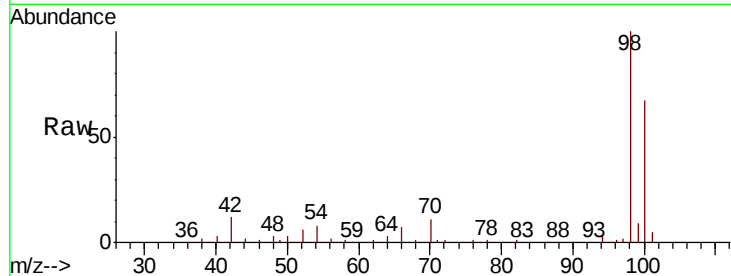




#50
Toluene-d8
Concen: 51.980 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012983.D
Acq: 10 Oct 2019 10:12

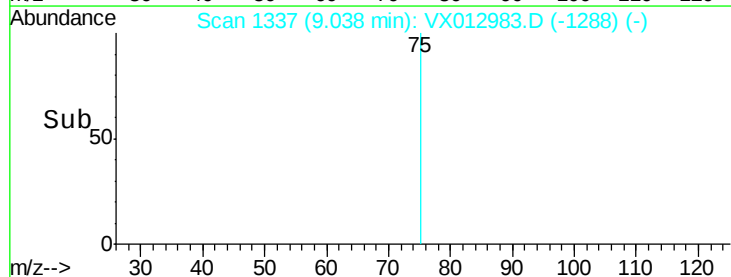
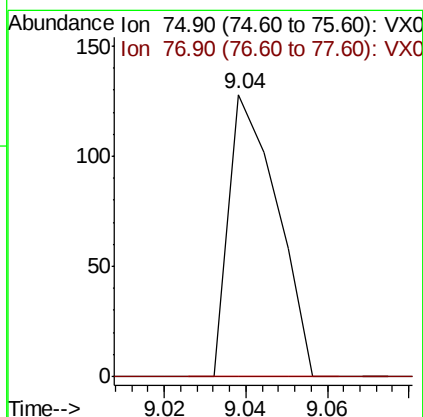
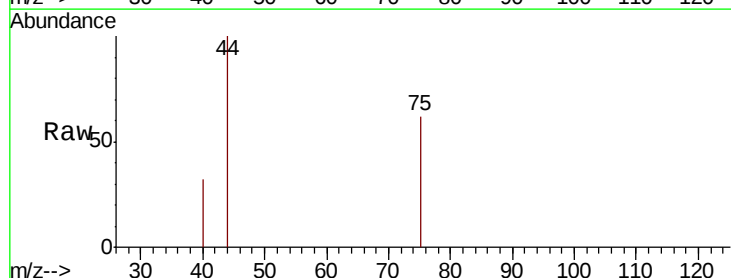
Instrument :
MSVOA_X
ClientSampleId :
VX1010WBL01

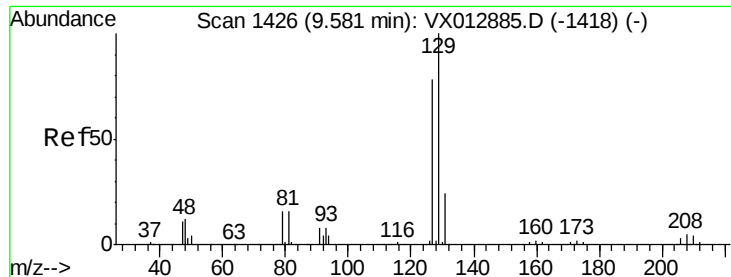
Tot Ion: 98 Resp: 350185
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.2



#53
t-1,3-Dichloropropene
Concen: 2.200 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012983.D
Acq: 10 Oct 2019 10:12

Tgt Ion: 75 Resp: 105
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#





#60

Dibromochloromethane

Concen: 1.889 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX012983.D

Acq: 10 Oct 2019 10:12

Instrument :

MSVOA_X

ClientSampleId :

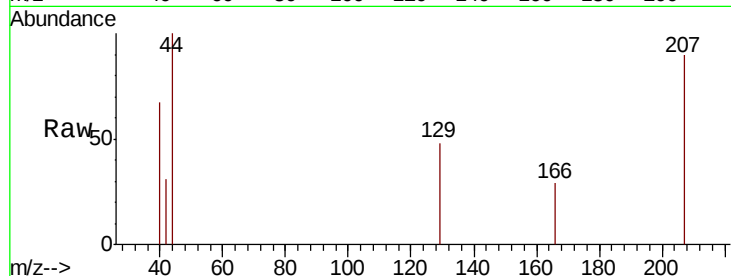
VX1010WBL01

Tot Ion:129 Resp: 73

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.33

100

80

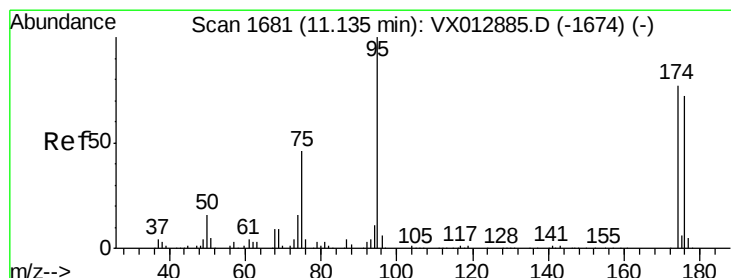
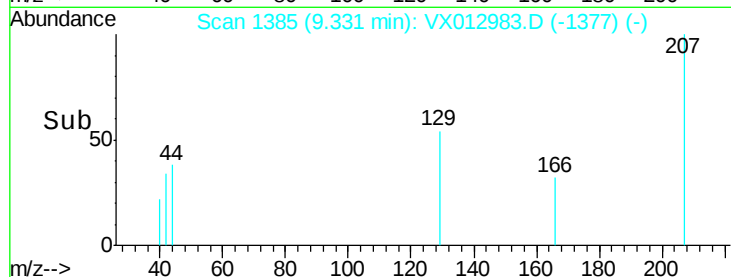
60

40

20

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.452 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012983.D

Acq: 10 Oct 2019 10:12

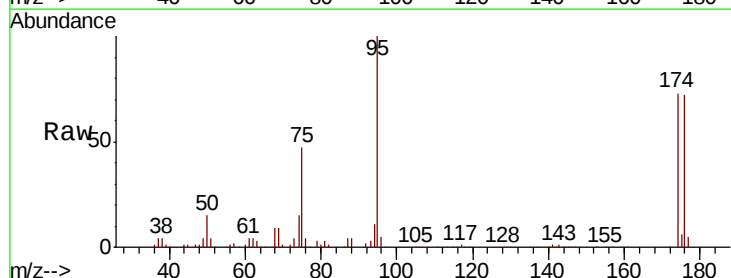
Tgt Ion: 95 Resp: 121597

Ion Ratio Lower Upper

95 100

174 70.9 0.0 143.4

176 69.2 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

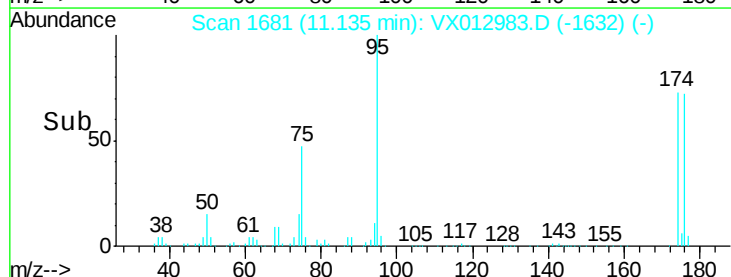
60000

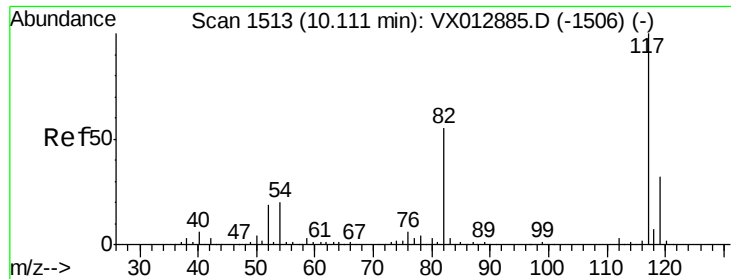
40000

20000

0

Time-->

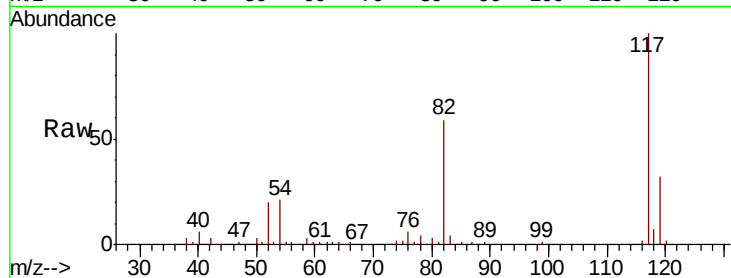




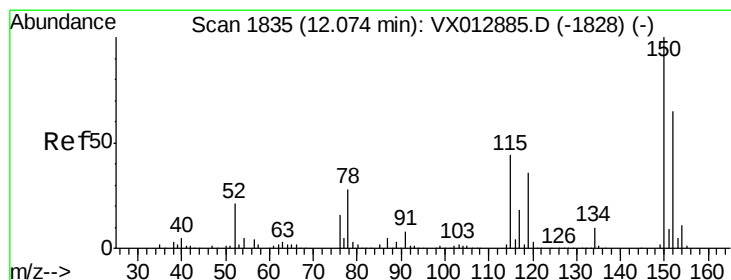
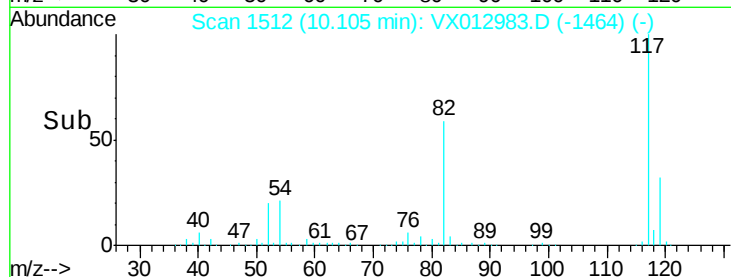
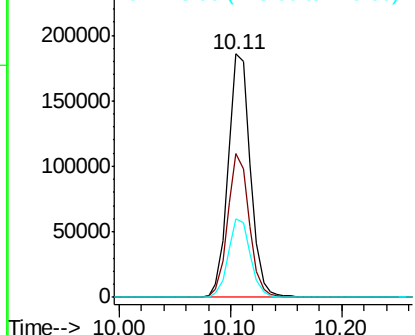
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012983.D
Acq: 10 Oct 2019 10:12

Instrument :
MSVOA_X
ClientSampleId :
VX1010WBL01

Tot Ion:117 Resp: 256647
Ion Ratio Lower Upper
117 100
82 58.9 44.1 66.1
119 32.1 25.8 38.8

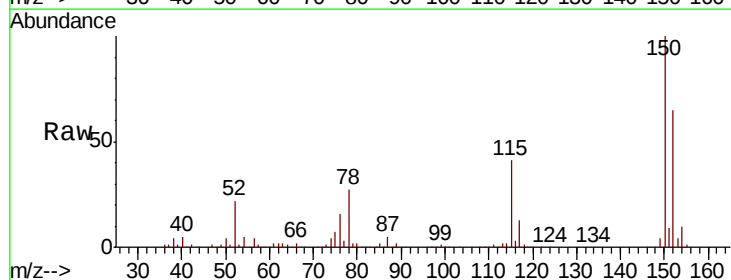


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

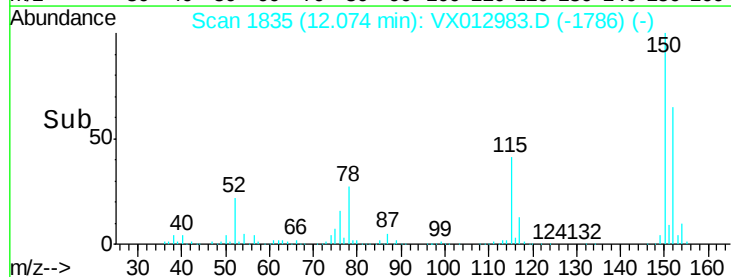
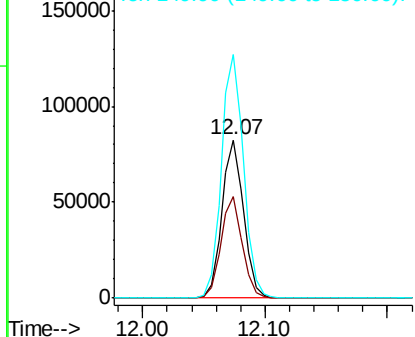


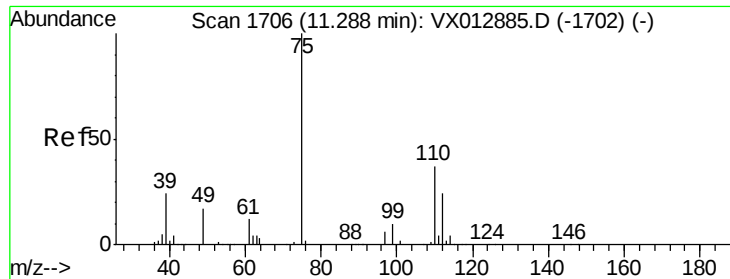
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012983.D
Acq: 10 Oct 2019 10:12

Tgt Ion:152 Resp: 100368
Ion Ratio Lower Upper
152 100
115 63.7 44.5 133.5
150 157.9 0.0 353.4



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: 27.566 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012983.D

Acq: 10 Oct 2019 10:12

Instrument :

MSVOA_X

ClientSampleId :

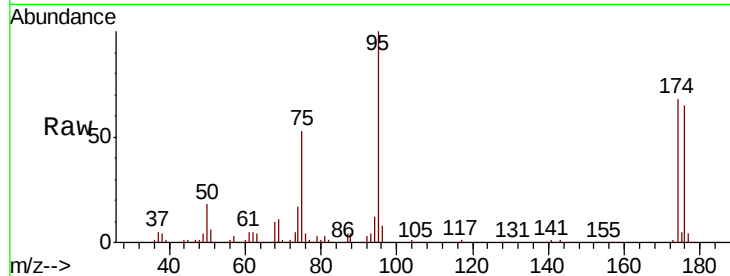
VX1010WBL01

Tot Ion: 75 Resp: 61367

Ion Ratio Lower Upper

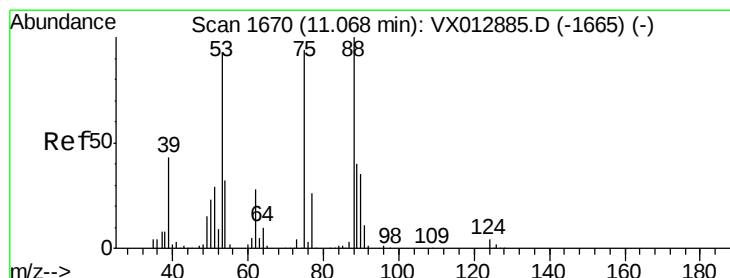
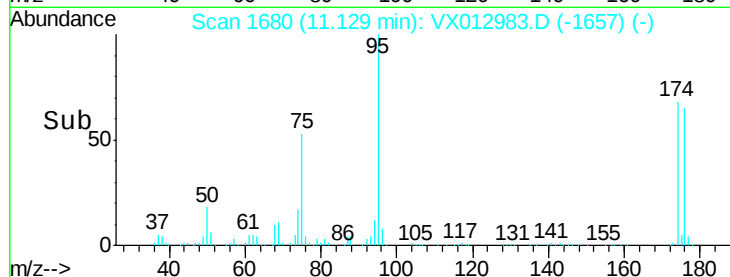
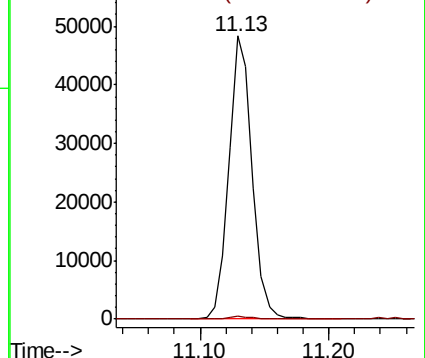
75 100

77 1.0 22.9 68.8#



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: 69.180 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012983.D

Acq: 10 Oct 2019 10:12

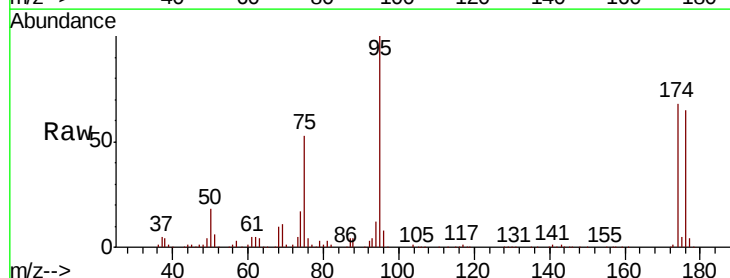
Tgt Ion: 75 Resp: 61367

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

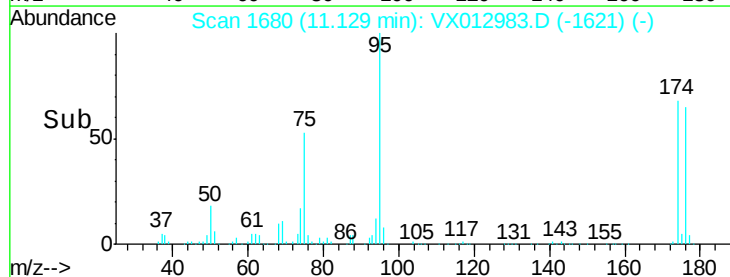
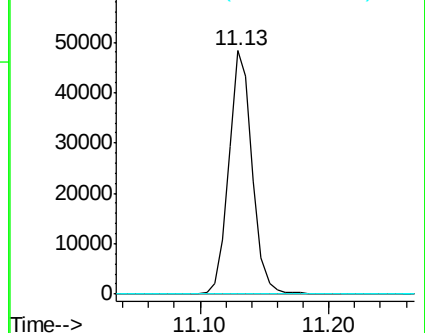
89 0.0 37.4 56.2#

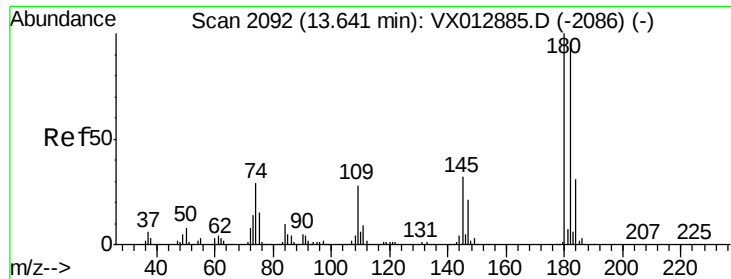


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

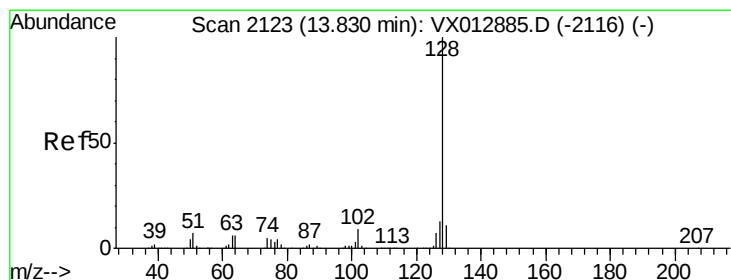
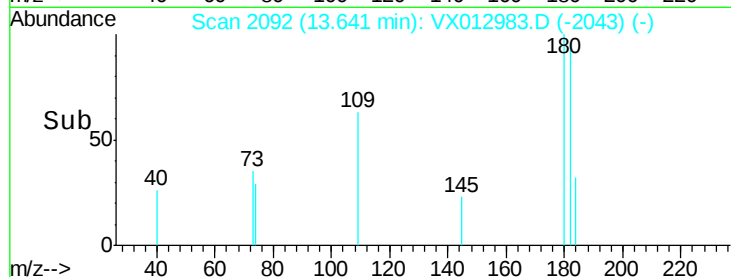
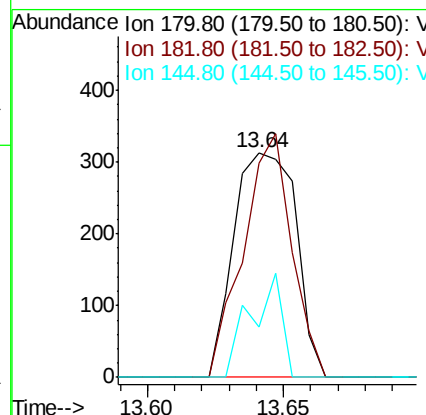
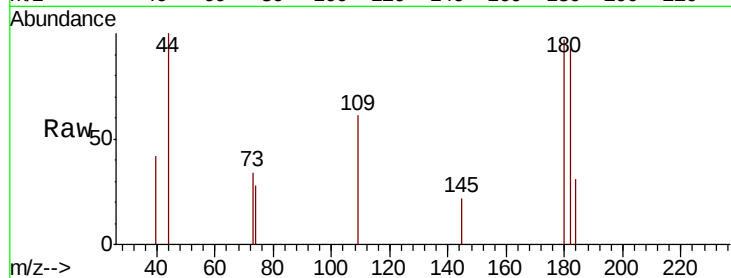




#93
 1,2,4-Trichlorobenzene
 Concen: 0.249 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012983.D
 Acq: 10 Oct 2019 10:12

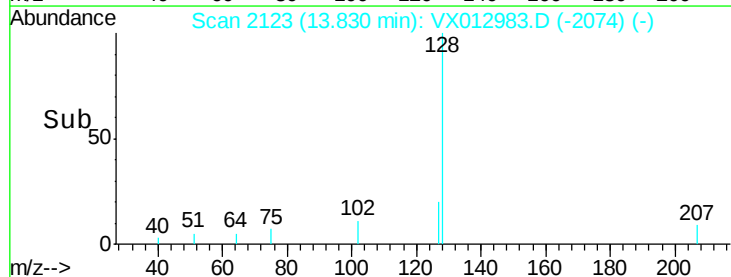
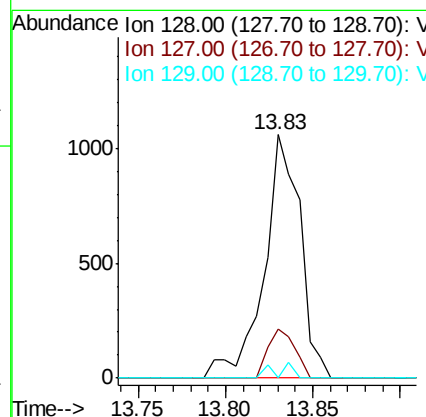
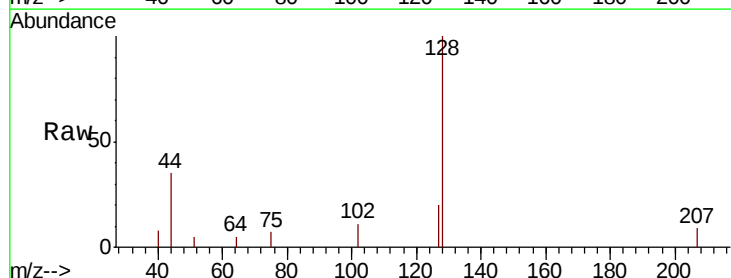
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBL01

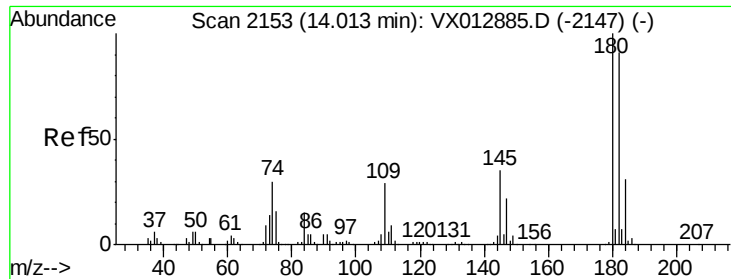
Tot Ion:180 Resp: 494
 Ion Ratio Lower Upper
 180 100
 182 84.6 46.8 140.4
 145 23.5 16.2 48.6



#95
 Naphthalene
 Concen: 0.222 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX012983.D
 Acq: 10 Oct 2019 10:12

Tgt Ion:128 Resp: 1525
 Ion Ratio Lower Upper
 128 100
 127 14.8 10.2 15.4
 129 1.4 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.209 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX012983.D
 Acq: 10 Oct 2019 10:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.5	142.5
145	39.3	17.4	52.3

