

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102519\
 Data File : VX013226.D
 Acq On : 25 Oct 2019 13:21
 Operator : JC/SP
 Sample : K5546-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-102419

Quant Time: Oct 26 07:17:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	890	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	558	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	532	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	334	17.94	ug/l	0.00
Spiked Amount 50.000			Recovery =	35.88%		
35) Dibromofluoromethane	5.48	113	85	13.66	ug/l	0.00
Spiked Amount 50.000			Recovery =	27.32%		
50) Toluene-d8	8.71	98	616	26.71	ug/l	0.00
Spiked Amount 50.000			Recovery =	53.42%		
62) 4-Bromofluorobenzene	11.13	95	382	41.85	ug/l	0.00
Spiked Amount 50.000			Recovery =	83.70%		

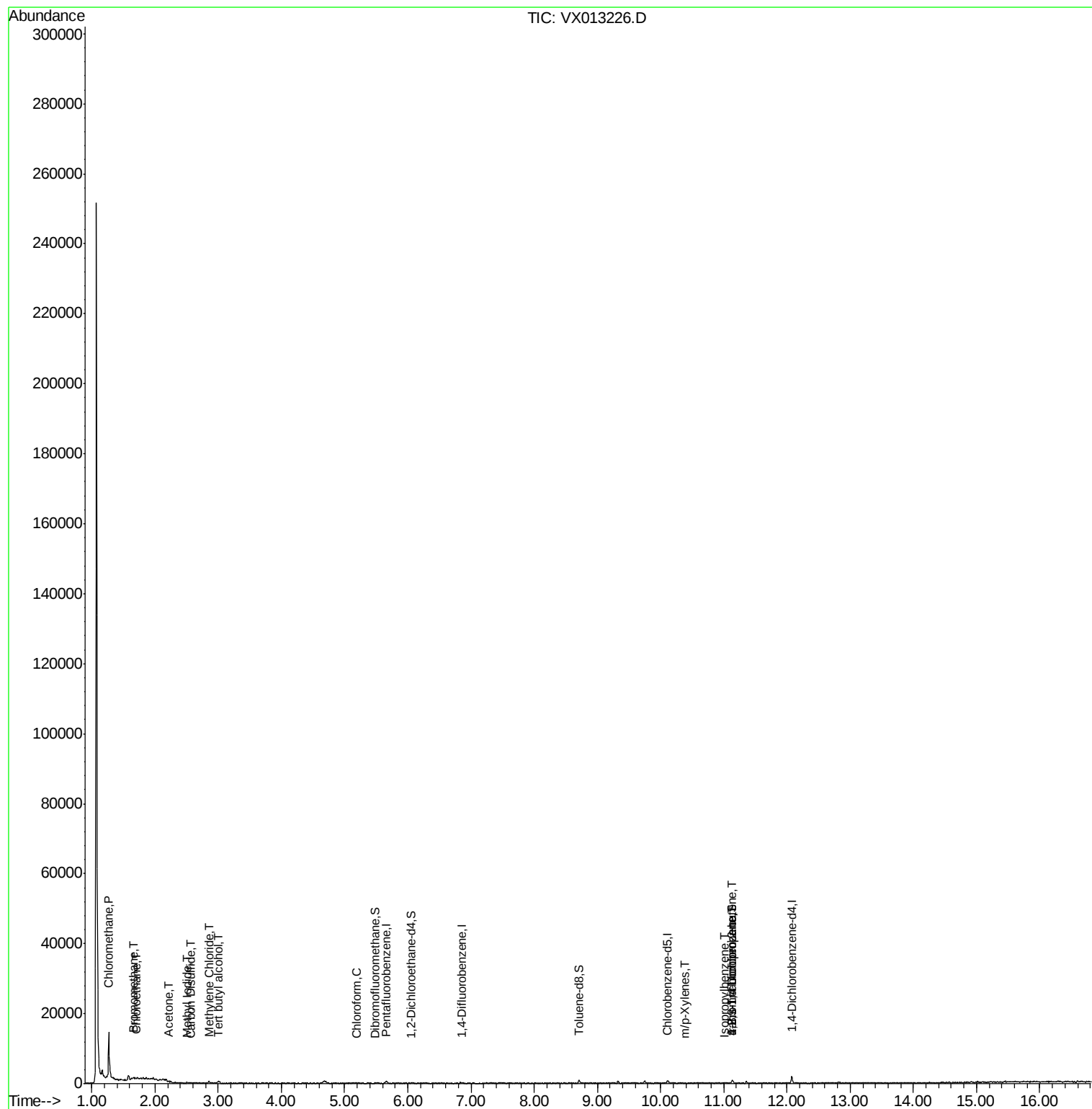
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.27	50	222	15.695	ug/l #	40
5) Bromomethane	1.66	94	207	24.165	ug/l #	46
6) Chloroethane	1.70	64	163	16.299	ug/l #	43
10) Methyl Iodide	2.50	142	117	9.004	ug/l #	40
11) Tert butyl alcohol	3.00	59	412	101.391	ug/l #	72
16) Acetone	2.22	43	36	4.105	ug/l #	45
17) Carbon Disulfide	2.57	76	210	5.152	ug/l #	74
20) Methylene Chloride	2.84	84	168	10.473	ug/l #	54
30) Chloroform	5.19	83	104	3.403	ug/l #	19
68) m/p-Xylenes	10.38	106	21	1.847	ug/l #	1
73) Isopropylbenzene	11.01	105	155	3.208	ug/l #	50
76) 1,2,3-Trichloropropane	11.14	75	204	15.910	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	204	43.720	ug/l #	10

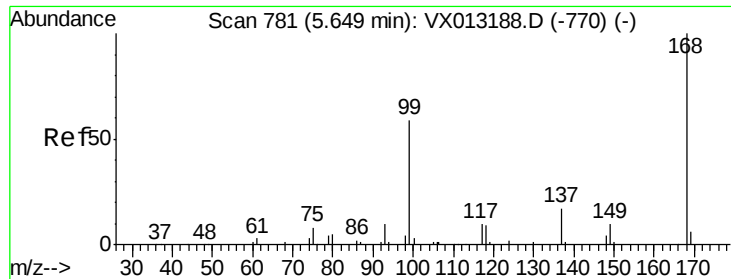
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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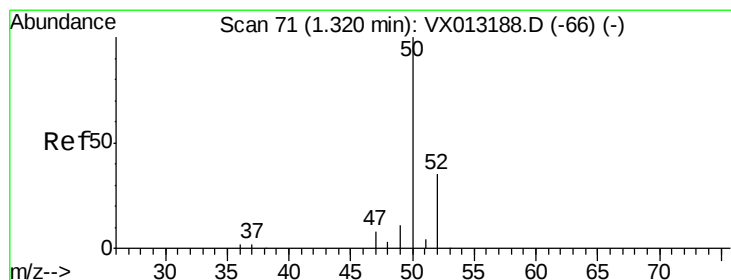
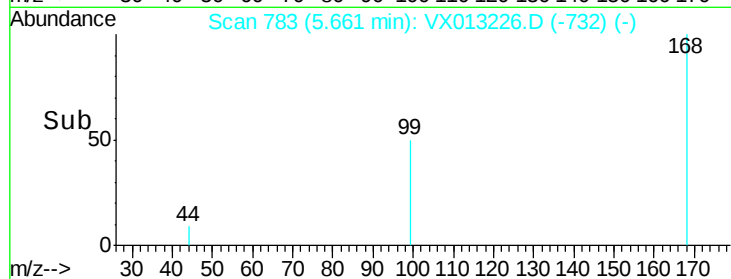
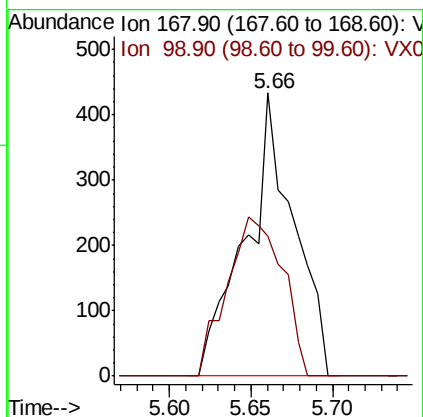
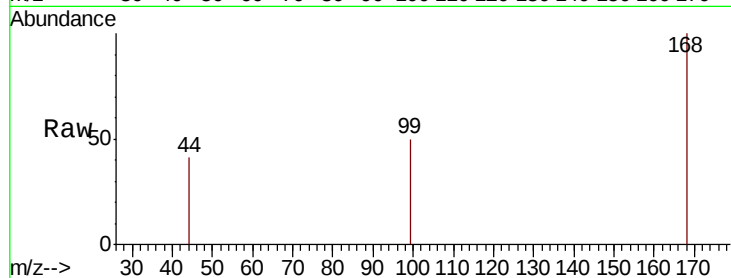




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 783
Delta R.T. 0.01 min
Lab File: VX013226.D
Acq: 25 Oct 2019 13:21

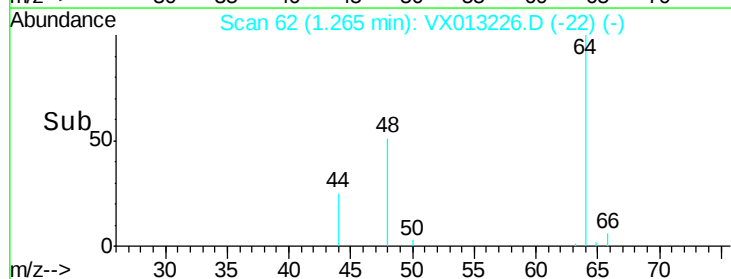
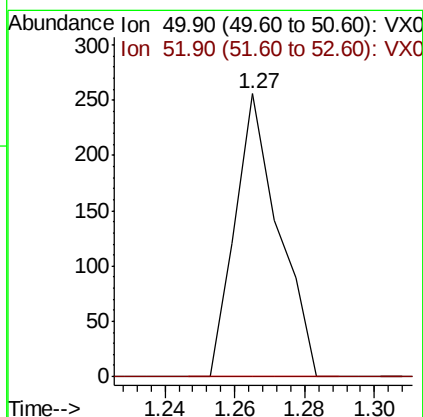
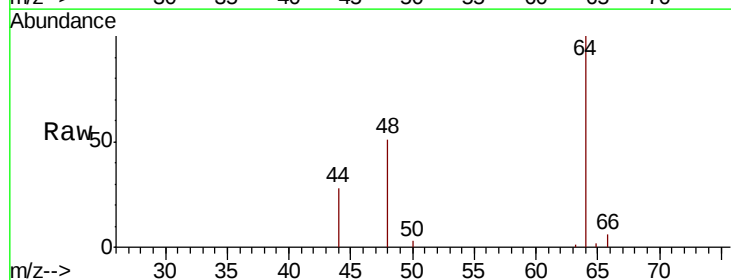
Instrument :
MSVOA_X
ClientSampleId :
TB-01-102419

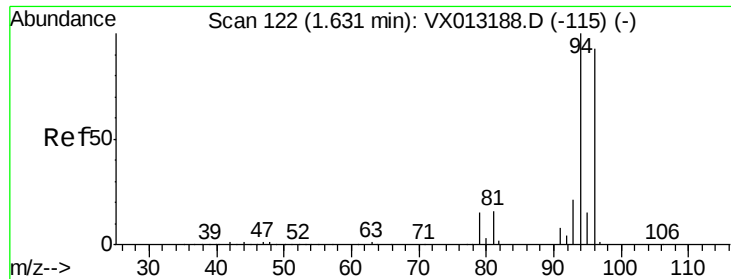
Tot Ion:168 Resp: 890
Ion Ratio Lower Upper
168 100
99 49.7 47.0 70.4



#3
Chloromethane
Concen: 15.695 ug/l
RT: 1.27 min Scan# 62
Delta R.T. -0.05 min
Lab File: VX013226.D
Acq: 25 Oct 2019 13:21

Tgt Ion: 50 Resp: 222
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#





#5

Bromomethane

Concen: 24.165 ug/l

RT: 1.66 min Scan# 127

Delta R.T. 0.03 min

Lab File: VX013226.D

Acq: 25 Oct 2019 13:21

Instrument :

MSVOA_X

ClientSampled :

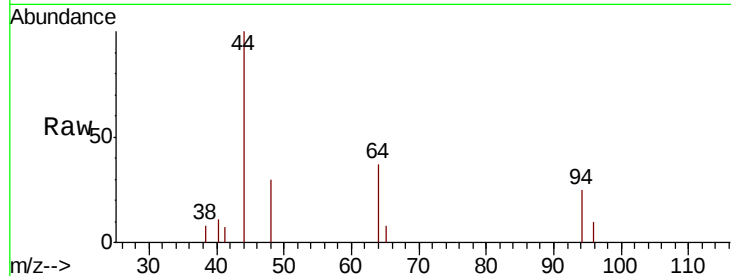
TB-01-102419

Tot Ion: 94 Resp: 207

Ion Ratio Lower Upper

94 100

96 41.3 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

150

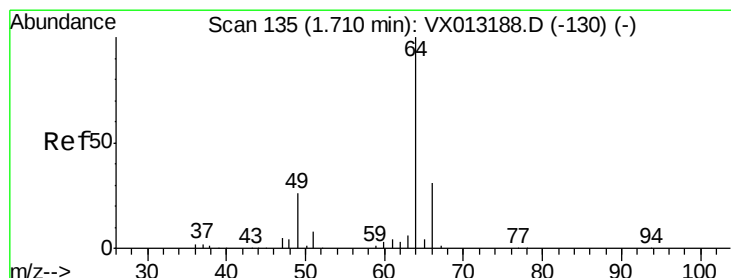
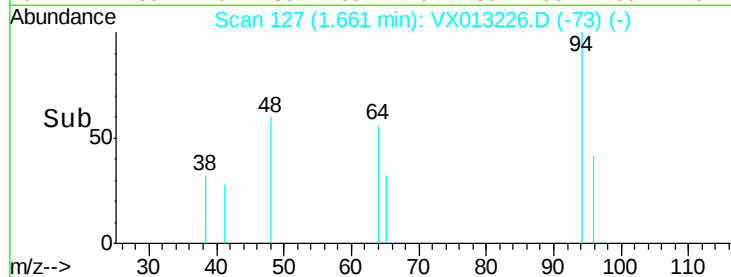
100

50

0

1.62 1.64 1.66 1.68

Time-->



#6

Chloroethane

Concen: 16.299 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX013226.D

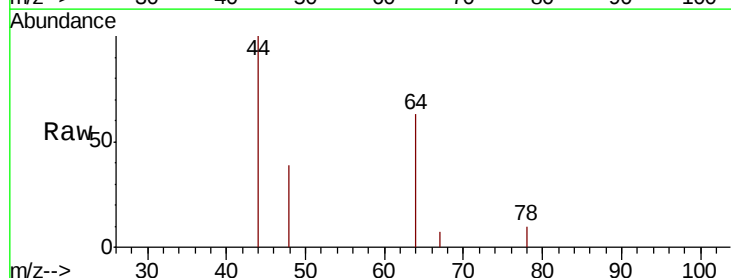
Acq: 25 Oct 2019 13:21

Tgt Ion: 64 Resp: 163

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

500

400

300

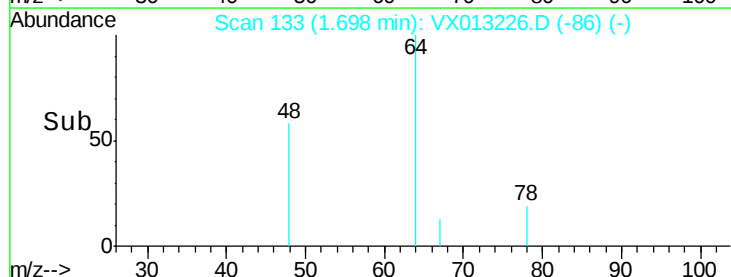
200

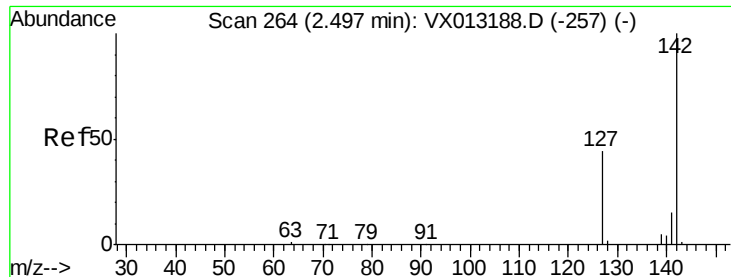
100

0

1.69 1.70 1.71

Time-->

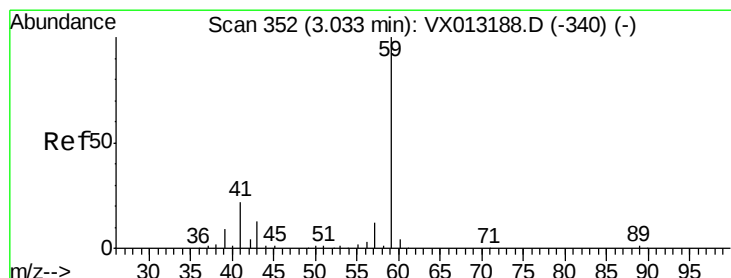
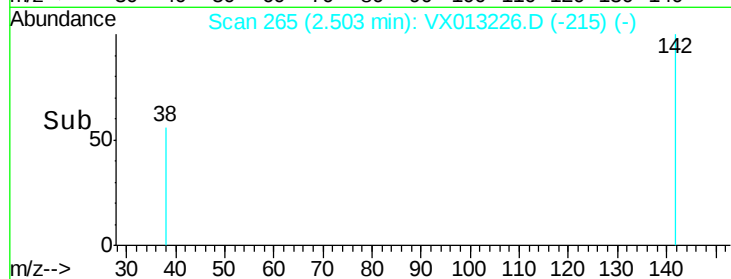
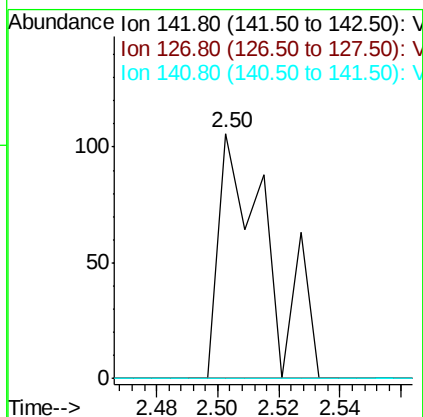
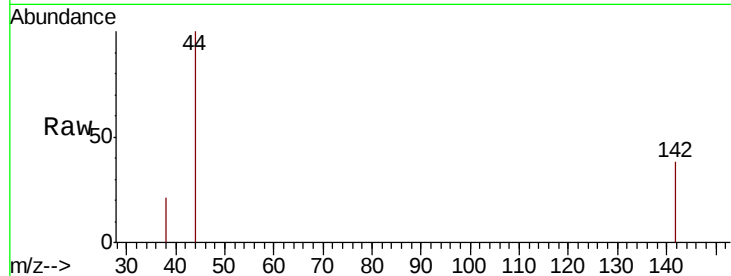




#10
Methvl Iodide
Concen: 9.004 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX013226.D
Acq: 25 Oct 2019 13:21

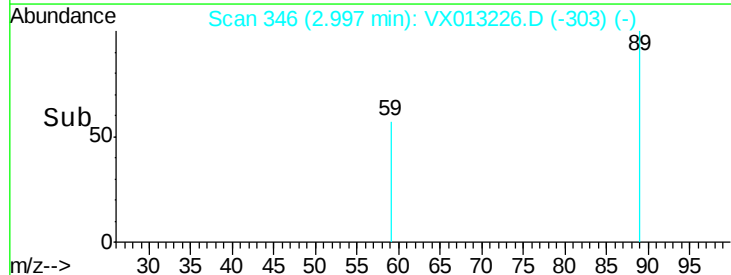
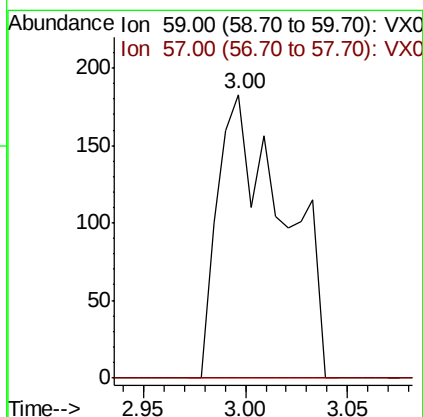
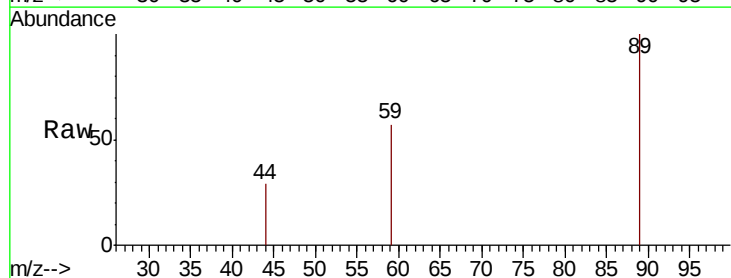
Instrument :
MSVOA_X
ClientSampled :
TB-01-102419

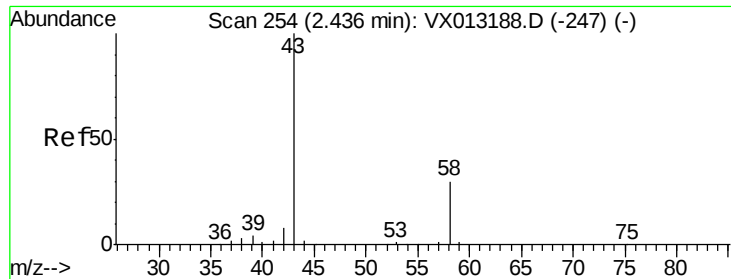
Tot Ion:142 Resp: 117
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 101.391 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.04 min
Lab File: VX013226.D
Acq: 25 Oct 2019 13:21

Tgt Ion: 59 Resp: 412
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 4.105 ug/l

RT: 2.22 min Scan# 218

Delta R.T. -0.22 min

Lab File: VX013226.D

Acq: 25 Oct 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

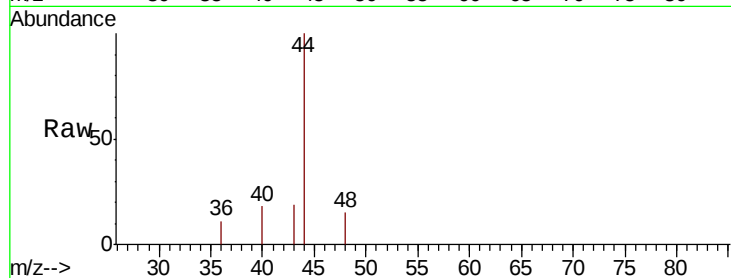
TB-01-102419

Tot Ion: 43 Resp: 36

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.22

100

80

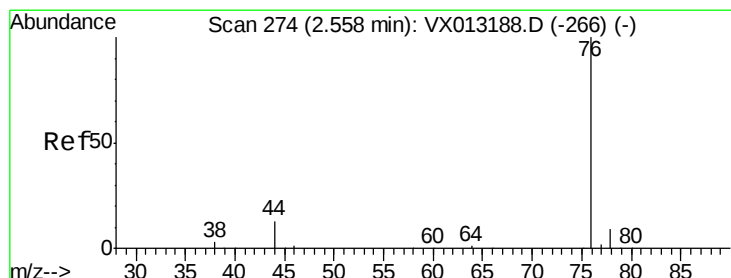
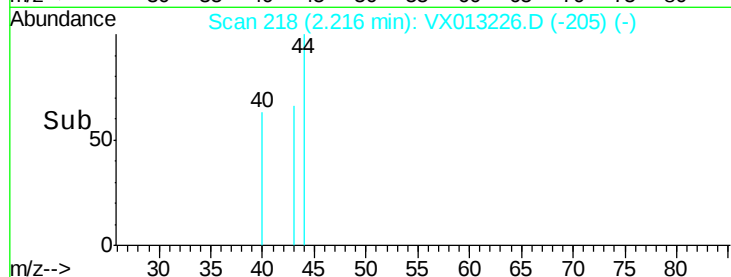
60

40

20

0

Time-->



#17

Carbon Disulfide

Concen: 5.152 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.01 min

Lab File: VX013226.D

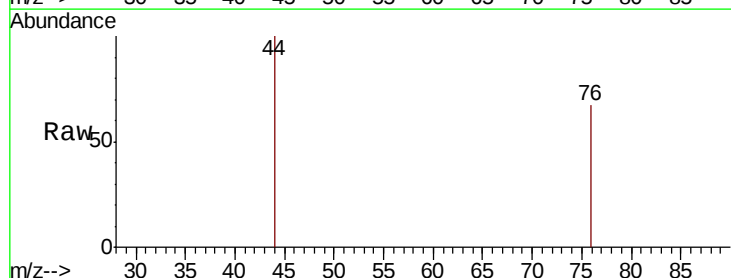
Acq: 25 Oct 2019 13:21

Tgt Ion: 76 Resp: 210

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

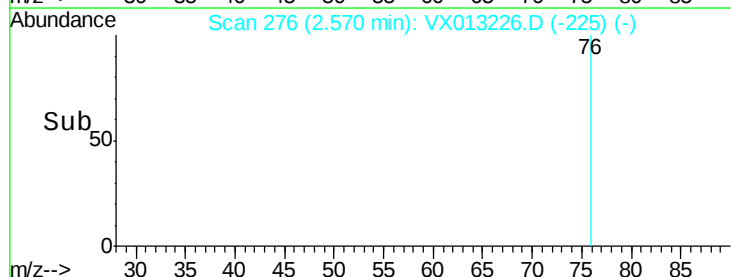
150

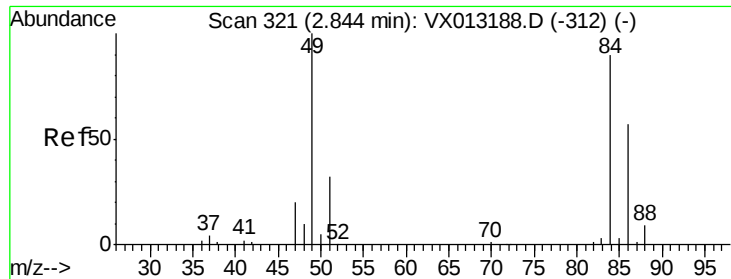
100

50

0

Time-->

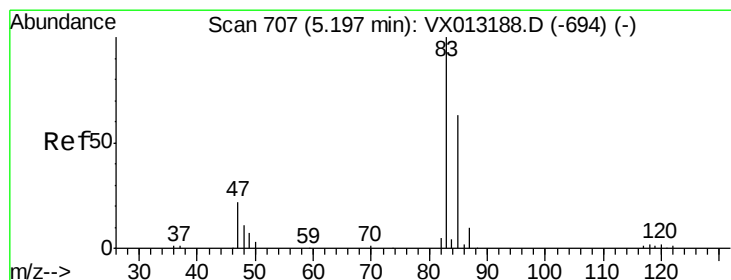
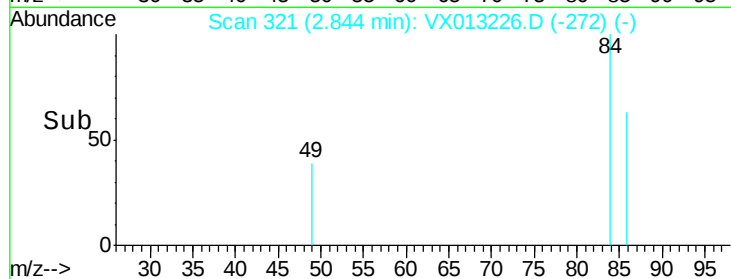
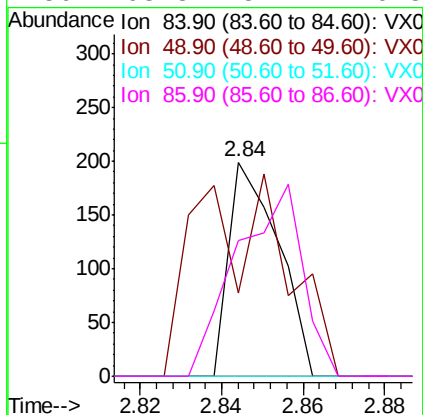
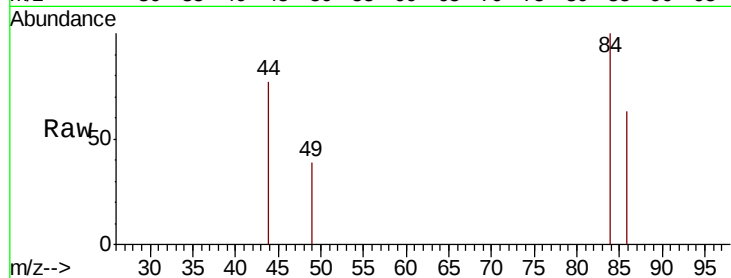




#20
Methvlene Chloride
Concen: 10.473 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013226.D
Acq: 25 Oct 2019 13:21

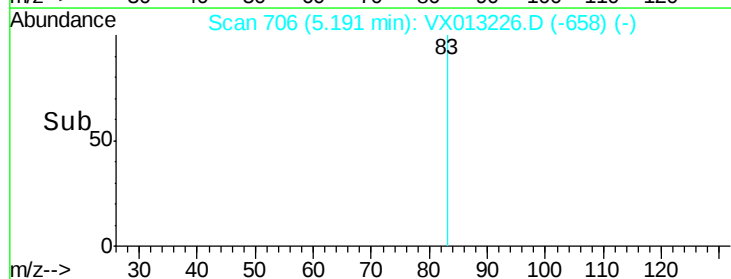
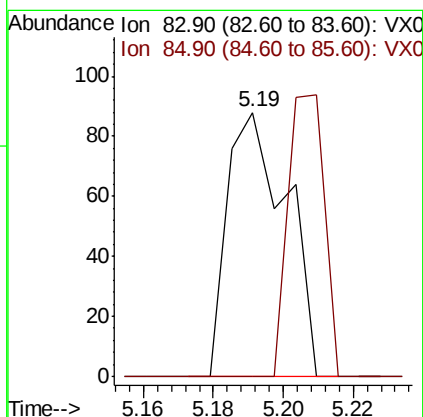
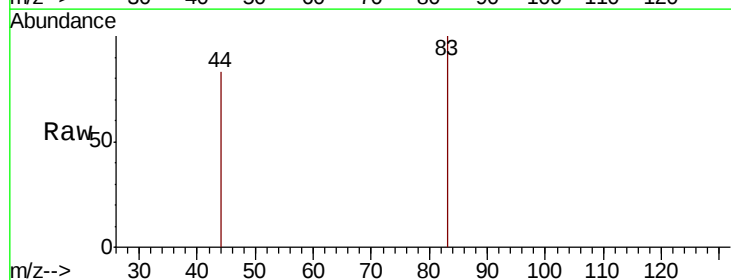
Instrument :
MSVOA_X
ClientSampleId :
TB-01-102419

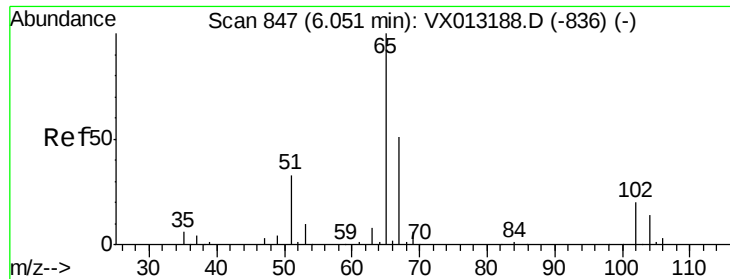
Tot Ion: 84 Resp: 168
Ion Ratio Lower Upper
84 100
49 39.2 89.2 133.8#
51 0.0 28.8 43.2#
86 63.3 51.2 76.8



#30
Chloroform
Concen: 3.403 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX013226.D
Acq: 25 Oct 2019 13:21

Tgt Ion: 83 Resp: 104
Ion Ratio Lower Upper
83 100
85 0.0 50.1 75.1#





#33

1,2-Dichloroethane-d4

Concen: 17.943 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013226.D

Acq: 25 Oct 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

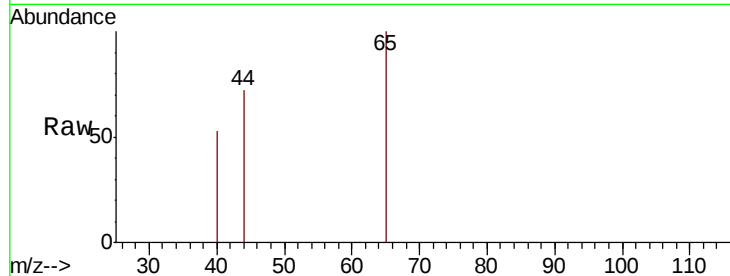
TB-01-102419

Tot Ion: 65 Resp: 334

Ion Ratio Lower Upper

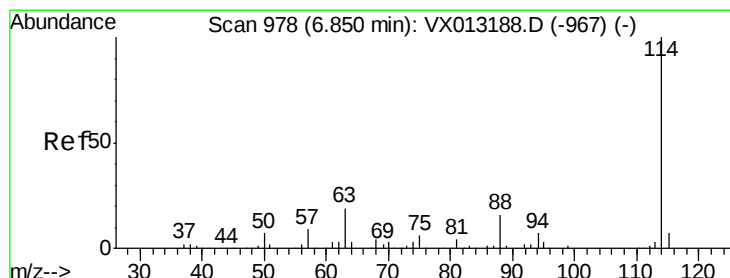
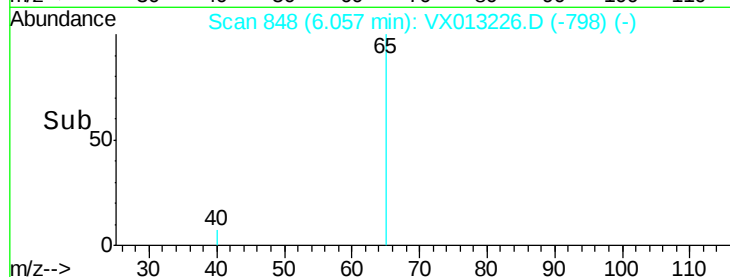
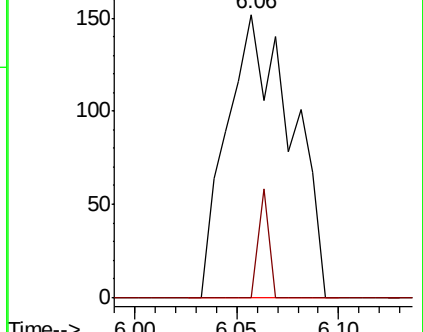
65 100

67 6.3 0.0 102.6



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: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX013226.D

Acq: 25 Oct 2019 13:21

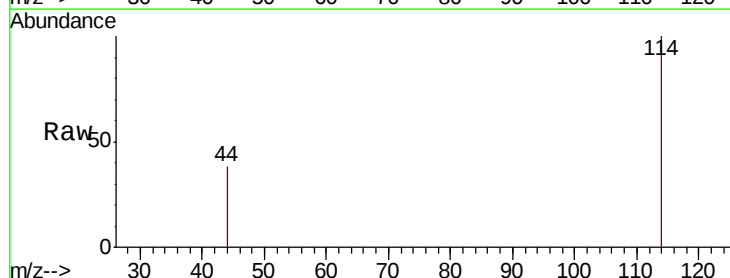
Tgt Ion: 114 Resp: 558

Ion Ratio Lower Upper

114 100

63 0.0 0.0 39.0

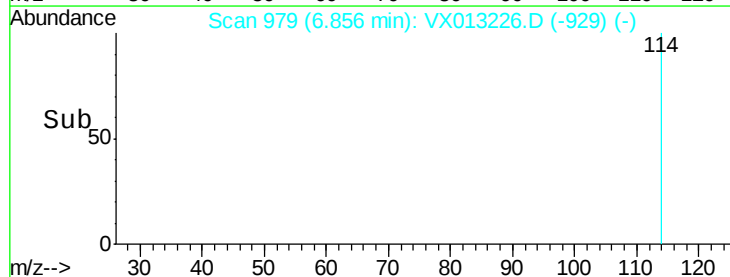
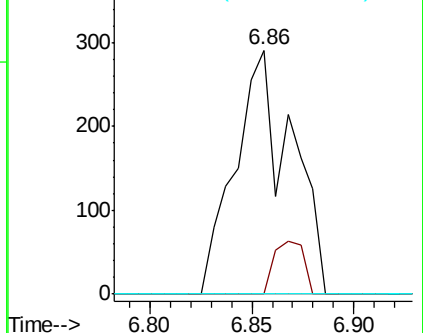
88 0.0 0.0 32.0

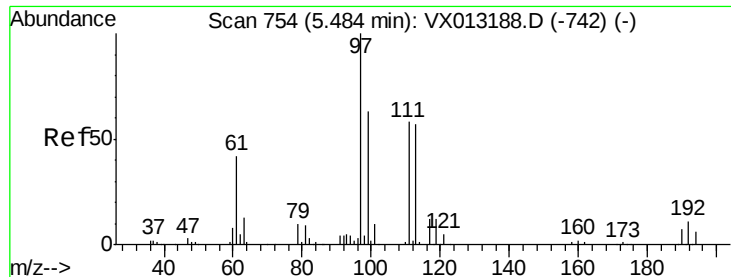


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

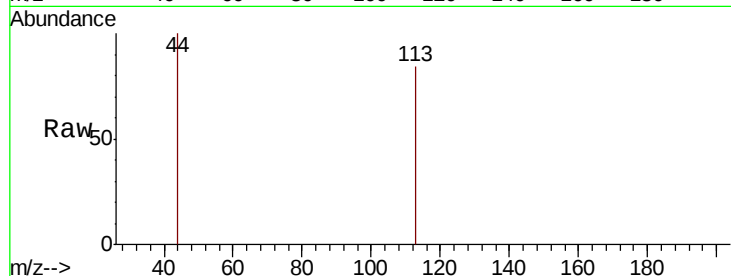




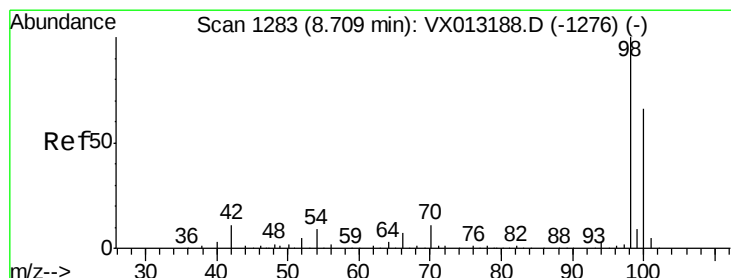
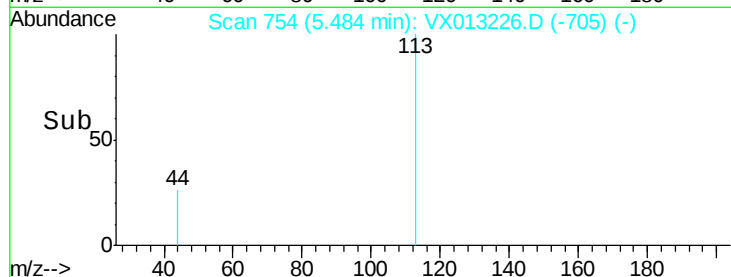
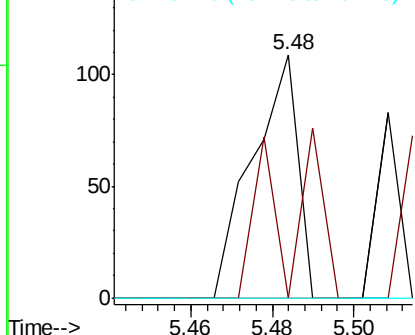
#35
 Dibromofluoromethane
 Concen: 13.660 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX013226.D
 Acq: 25 Oct 2019 13:21

Instrument :
 MSVOA_X
 ClientSampled :
 TB-01-102419

Tot Ion	Ratio	Lower	Upper
113	100		
111	63.5	80.3	120.5#
192	0.0	15.9	23.9#

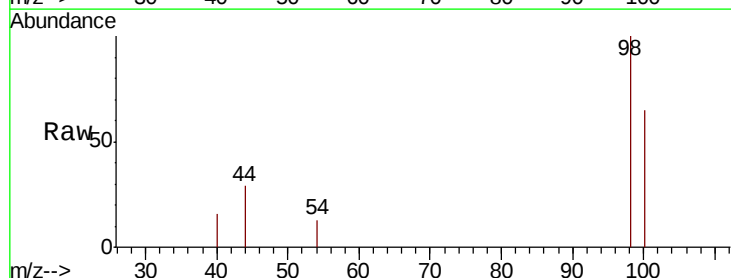


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

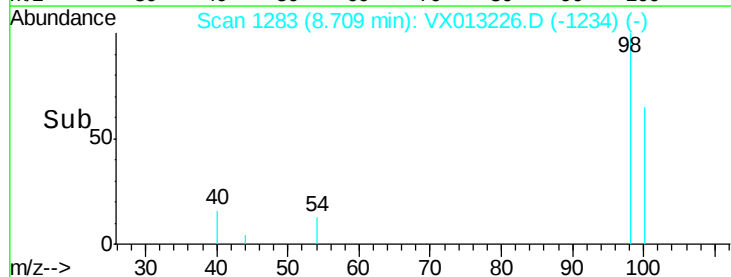
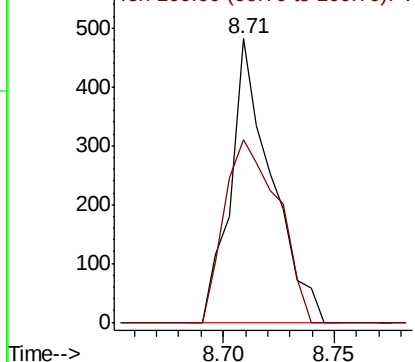


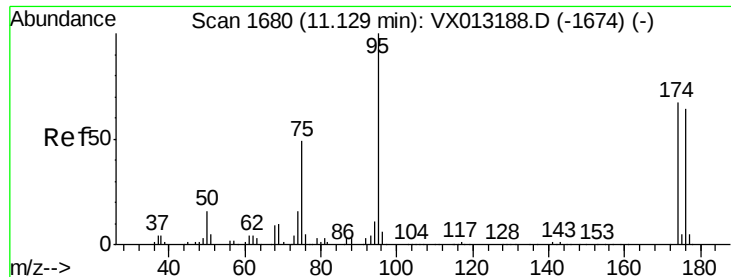
#50
 Toluene-d8
 Concen: 26.713 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX013226.D
 Acq: 25 Oct 2019 13:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	84.6	53.3	79.9#



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





#62

4-Bromofluorobenzene

Concen: 41.853 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013226.D

Acq: 25 Oct 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

TB-01-102419

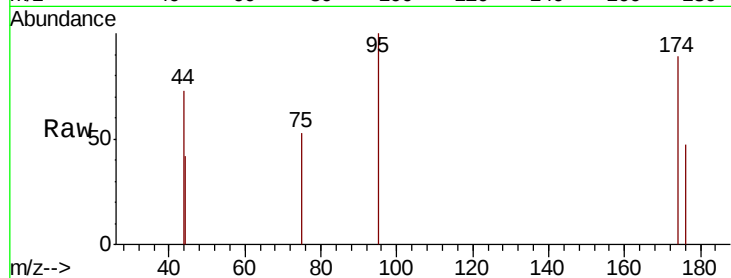
Tot Ion: 95 Resp: 382

Ion Ratio Lower Upper

95 100

174 75.4 0.0 152.4

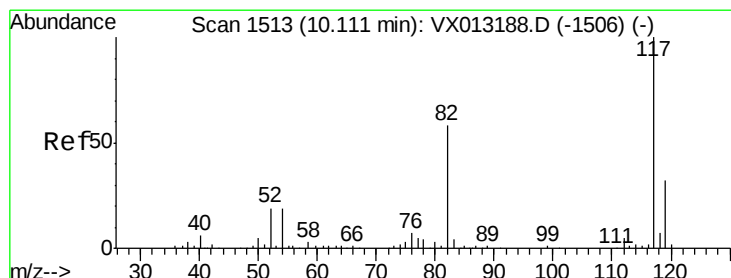
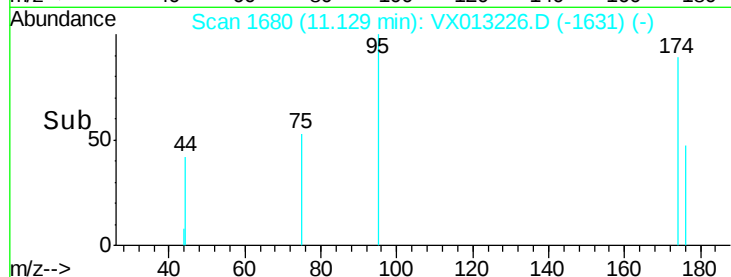
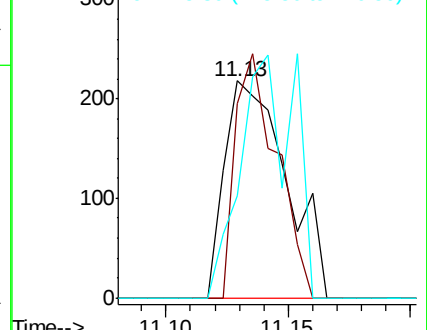
176 0.0 0.0 146.0



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VX013226.D

Acq: 25 Oct 2019 13:21

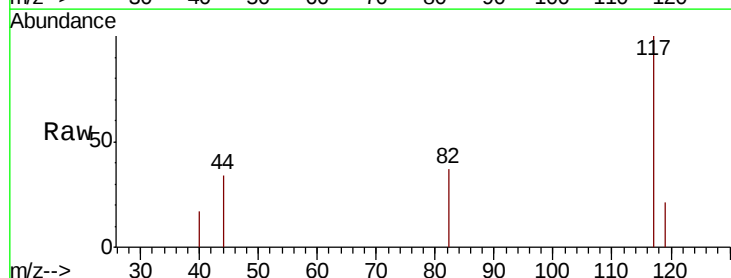
Tgt Ion: 117 Resp: 480

Ion Ratio Lower Upper

117 100

82 37.3 46.5 69.7#

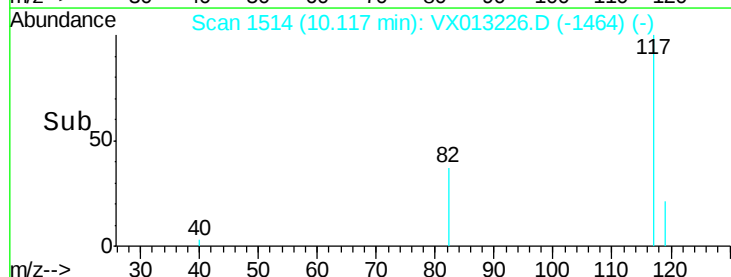
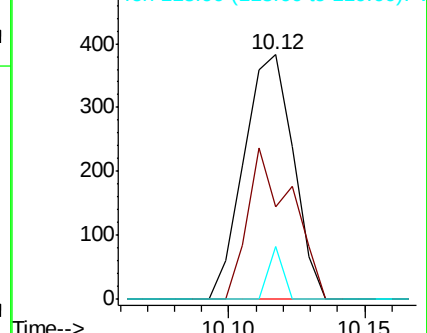
119 21.4 25.2 37.8#

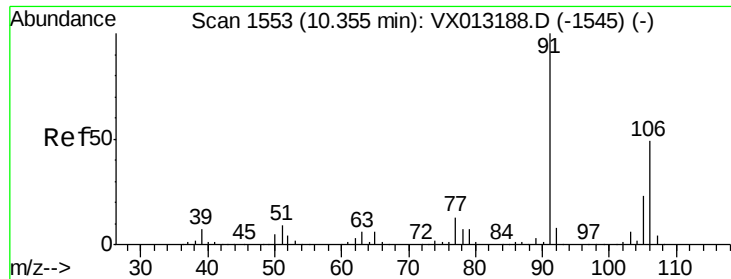


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

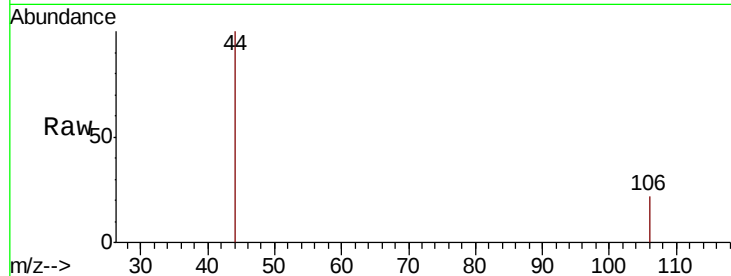




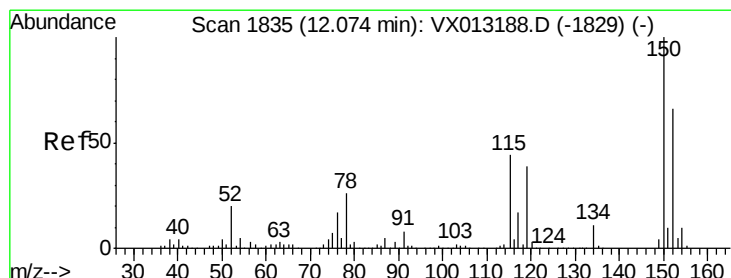
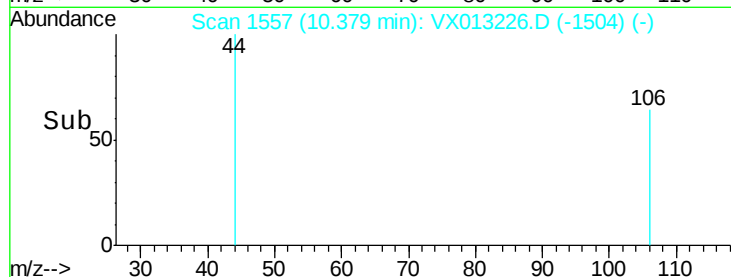
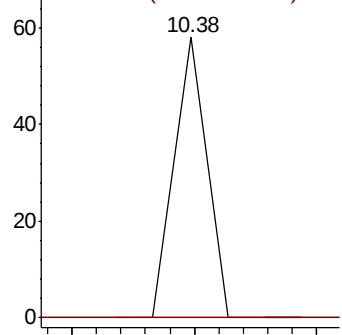
#68
m/p-Xvlenes
Concen: 1.847 ug/l
RT: 10.38 min Scan# 1557
Delta R.T. 0.02 min
Lab File: VX013226.D
Acq: 25 Oct 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
TB-01-102419

Tot Ion:106 Resp: 21
Ion Ratio Lower Upper
106 100
91 0.0 166.8 250.2#

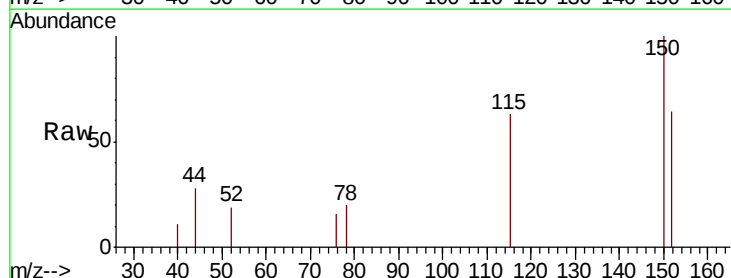


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

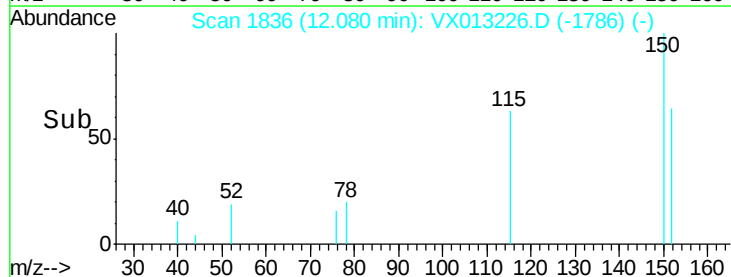
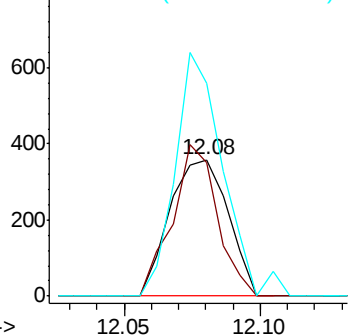


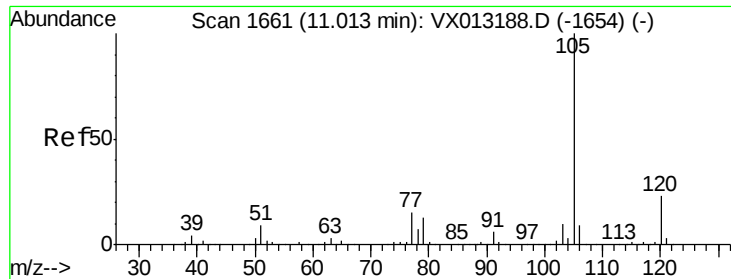
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1836
Delta R.T. 0.01 min
Lab File: VX013226.D
Acq: 25 Oct 2019 13:21

Tgt Ion:152 Resp: 532
Ion Ratio Lower Upper
152 100
115 85.5 46.6 139.8
150 146.1 0.0 354.0



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





#73

Isopropylbenzene

Concen: 3.208 ug/l

RT: 11.01 min Scan# 1660

Delta R.T. -0.01 min

Lab File: VX013226.D

Acq: 25 Oct 2019 13:21

Instrument :

MSVOA_X

ClientSampled :

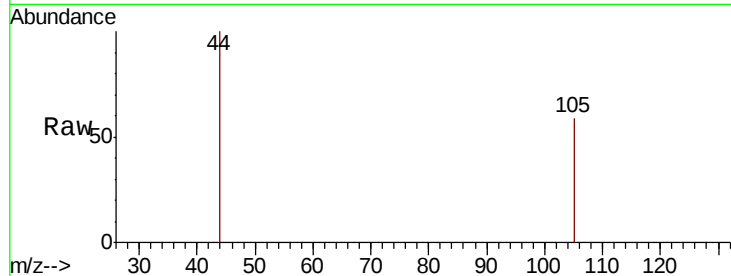
TB-01-102419

Tot Ion:105 Resp: 155

Ion Ratio Lower Upper

105 100

120 0.0 12.6 37.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

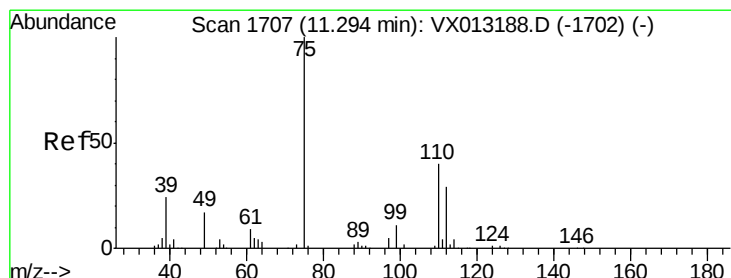
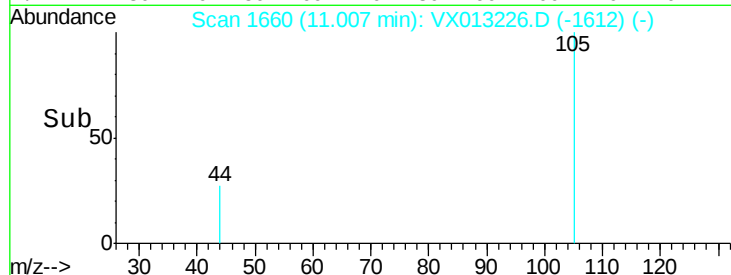
11.01

100

50

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 15.910 ug/l

RT: 11.14 min Scan# 1682

Delta R.T. -0.15 min

Lab File: VX013226.D

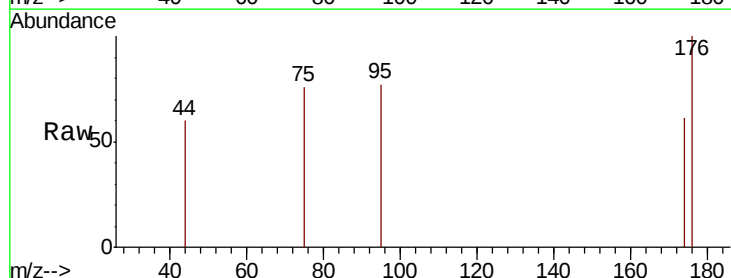
Acq: 25 Oct 2019 13:21

Tgt Ion: 75 Resp: 204

Ion Ratio Lower Upper

75 100

77 0.0 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

200

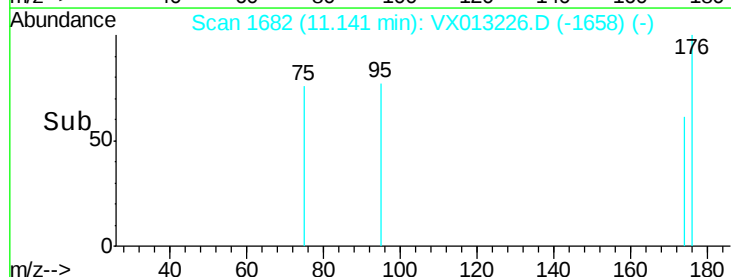
150

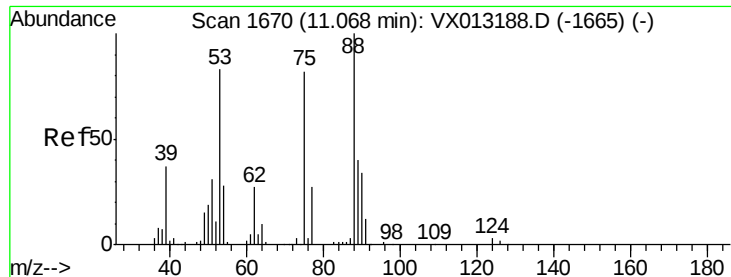
100

50

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 43.720 ug/l

RT: 11.14 min Scan# 1682

Delta R.T. 0.07 min

Lab File: VX013226.D

Acq: 25 Oct 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

TB-01-102419

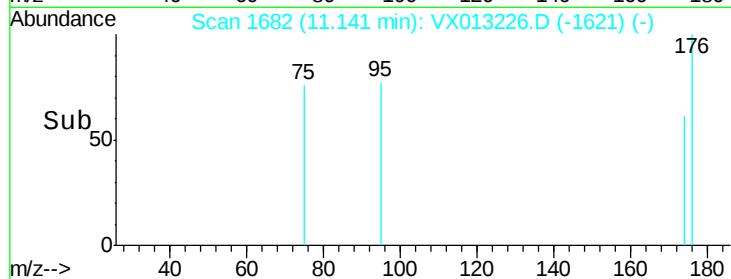
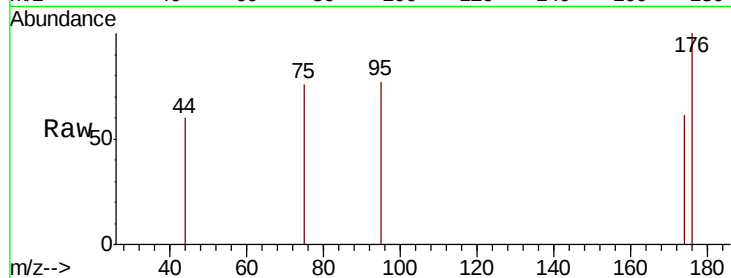
Tot Ion: 75 Resp: 204

Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

89 0.0 37.3 55.9#



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

250

200

150

100

50

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11.10 11.12 11.14 11.16

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