

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101018\
 Data File : VX005238.D
 Acq On : 11 Oct 2018 07:12
 Operator : JC/MD
 Sample : J5284-11DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-103D2-20181003DL

Quant Time: Oct 11 08:10:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	167937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	255017	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	254780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138460	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	127091	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	
35) Dibromofluoromethane	5.51	113	107433	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
50) Toluene-d8	8.72	98	372831	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
62) 4-Bromofluorobenzene	11.14	95	130930	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	

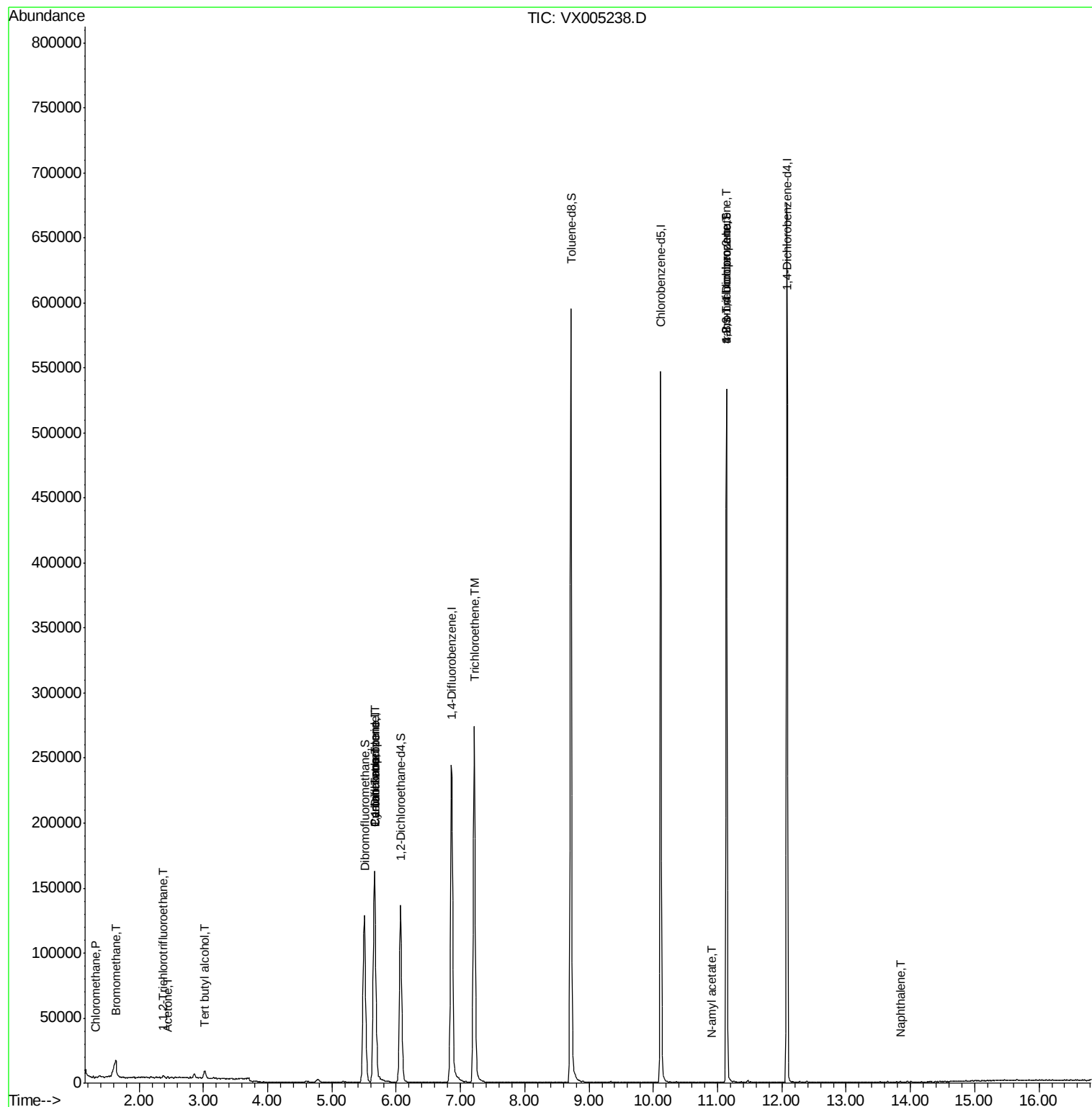
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	560	0.202	ug/l	94
5) Bromomethane	1.64	94	893	0.578	ug/l #	62
6) Chloroethane	1.71	64	65	Below Cal	#	1
9) 1,1,2-Trichlorotrifluoroet	2.37	101	506	0.275	ug/l	92
11) Tert butyl alcohol	3.02	59	3623	5.401	ug/l #	79
16) Acetone	2.45	43	811	0.579	ug/l #	55
20) Methylene Chloride	2.85	84	1391	Below Cal	#	77
31) Cyclohexane	5.67	56	3380	1.107	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	11849	4.018	ug/l #	47
38) Carbon Tetrachloride	5.66	117	15274	4.928	ug/l #	19
44) Trichloroethene	7.21	130	112390	49.523	ug/l	100
74) N-amyl acetate	10.91	43	64	1.761	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	64391	20.749	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	97	Below Cal	#	57
81) trans-1,4-Dichloro-2-buten	11.14	75	64391	56.327	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.82	105	55	Below Cal		92
95) Naphthalene	13.83	128	174	0.734	ug/l #	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101018\
Data File : VX005238.D
Acq On : 11 Oct 2018 07:12
Operator : JC/MD
Sample : J5284-11DL 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE-103D2-20181003DL

Quant Time: Oct 11 08:10:02 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005238.D

Acq: 11 Oct 2018 07:12

Instrument :

MSVOA_X

ClientSampleId :

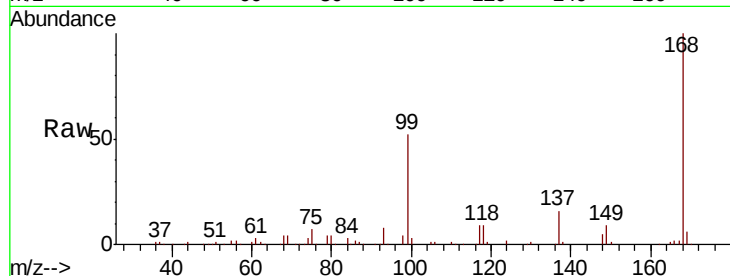
RE-103D2-20181003DL

Tot Ion:168 Resp: 167937

Ion Ratio Lower Upper

168 100

99 52.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

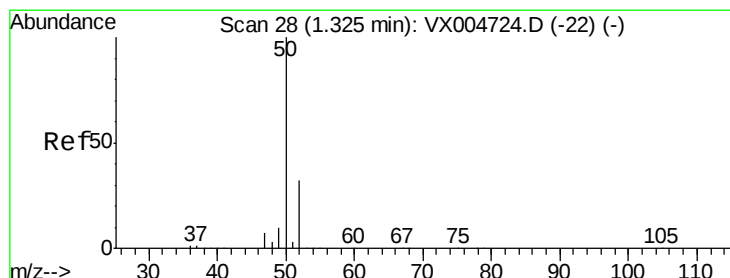
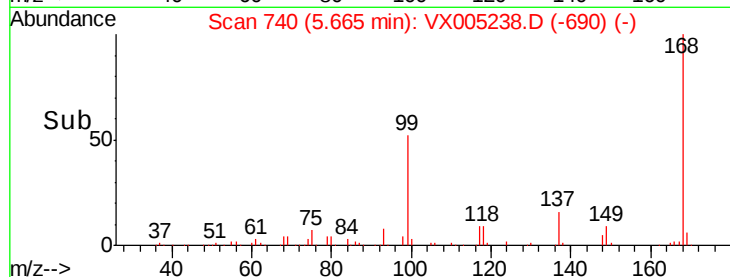
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#3

Chloromethane

Concen: 0.202 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005238.D

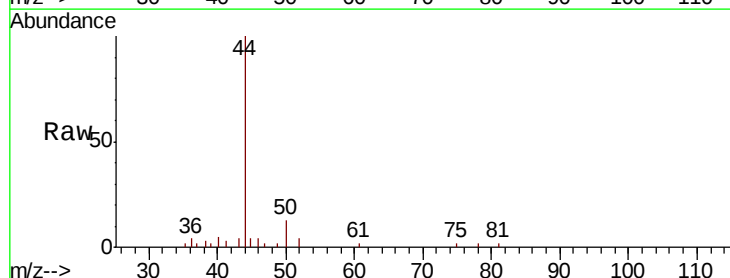
Acq: 11 Oct 2018 07:12

Tgt Ion: 50 Resp: 560

Ion Ratio Lower Upper

50 100

52 29.0 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

300

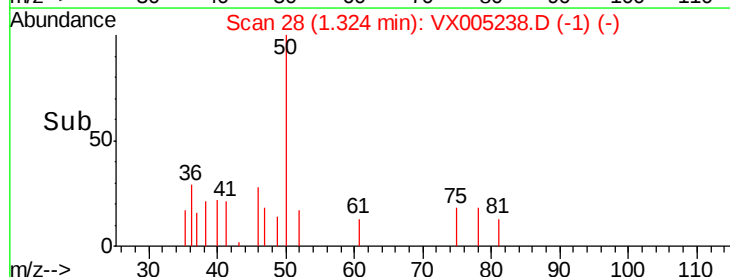
200

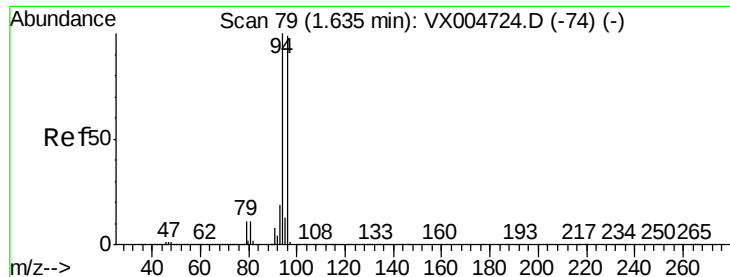
100

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: 0.578 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005238.D

Acq: 11 Oct 2018 07:12

Instrument :

MSVOA_X

ClientSampleId :

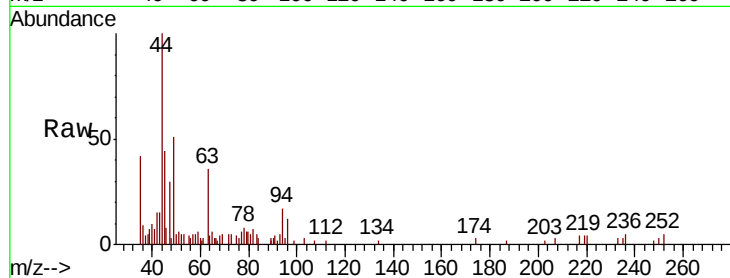
RE-103D2-20181003DL

Tot Ion: 94 Resp: 893

Ion Ratio Lower Upper

94 100

96 61.8 79.5 119.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

500

400

300

200

100

0

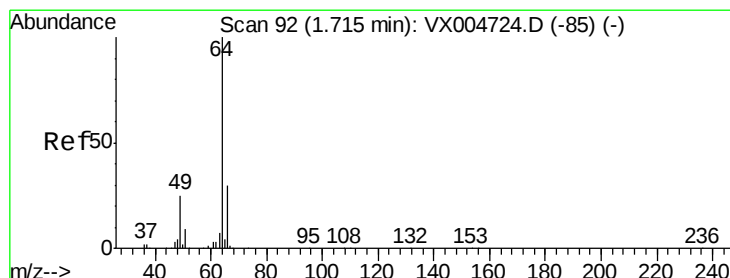
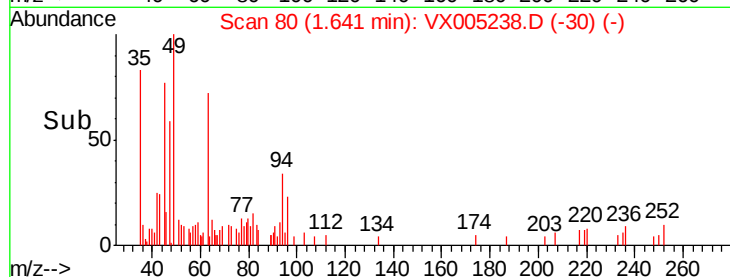
Time-->

1.55

1.60

1.65

1.70



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX005238.D

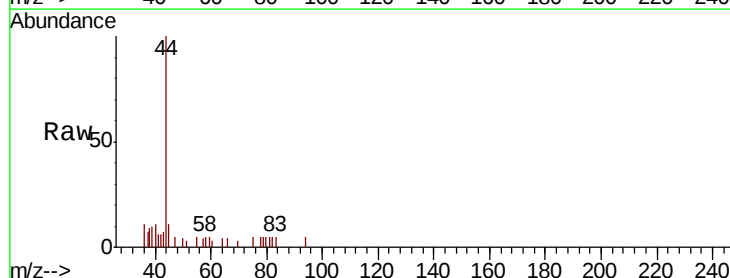
Acq: 11 Oct 2018 07:12

Tgt Ion: 64 Resp: 65

Ion Ratio Lower Upper

64 100

66 82.9 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

100

80

60

40

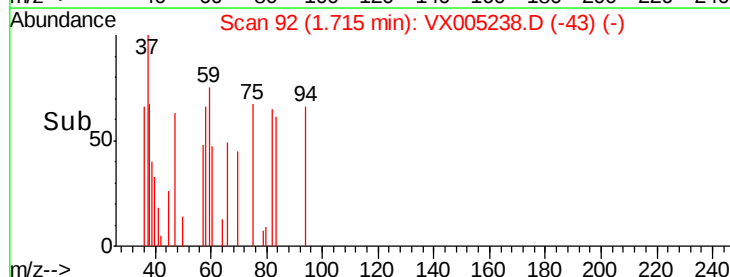
20

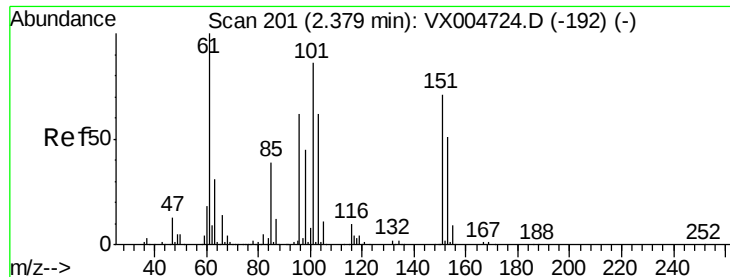
0

Time-->

1.70

1.72





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.275 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX005238.D

Acq: 11 Oct 2018 07:12

Instrument :

MSVOA_X

ClientSampleId :

RE-103D2-20181003DL

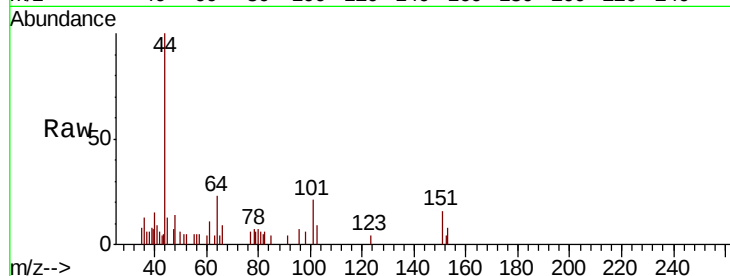
Tot Ion:101 Resp: 506

Ion Ratio Lower Upper

101 100

85 40.3 35.9 53.9

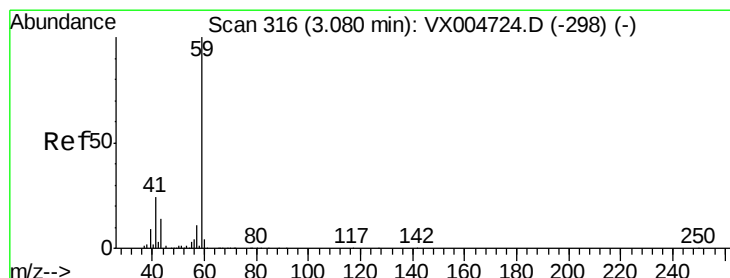
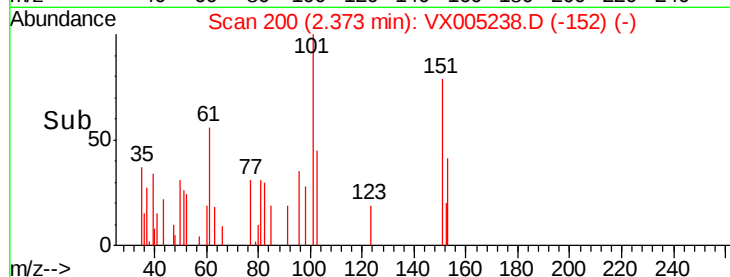
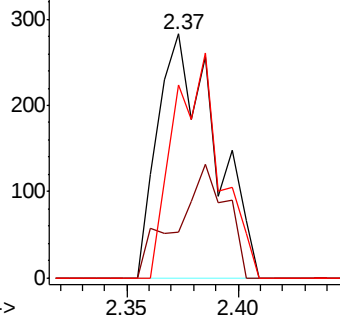
151 75.1 66.6 100.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 5.401 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX005238.D

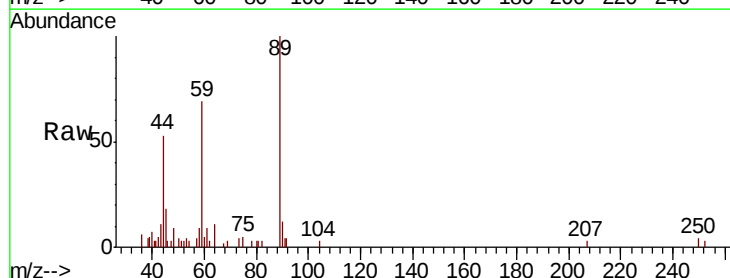
Acq: 11 Oct 2018 07:12

Tgt Ion: 59 Resp: 3623

Ion Ratio Lower Upper

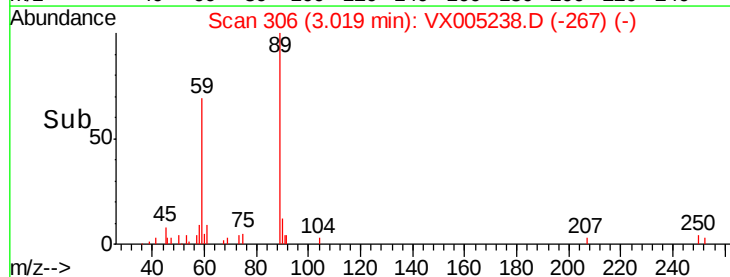
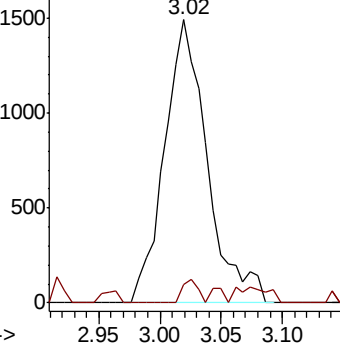
59 100

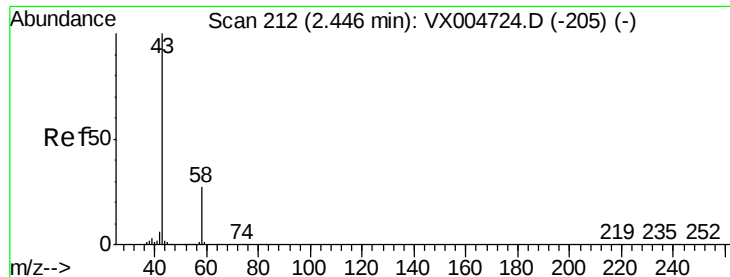
57 2.9 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

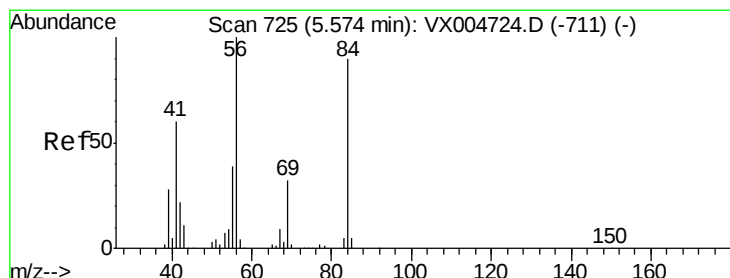
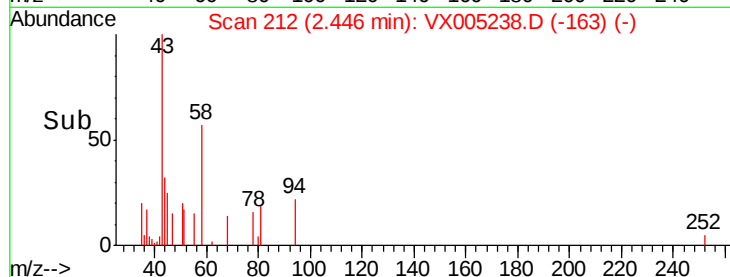
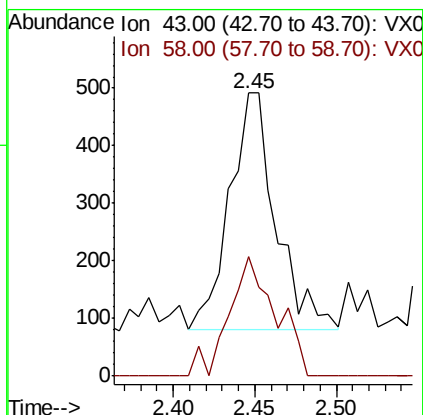
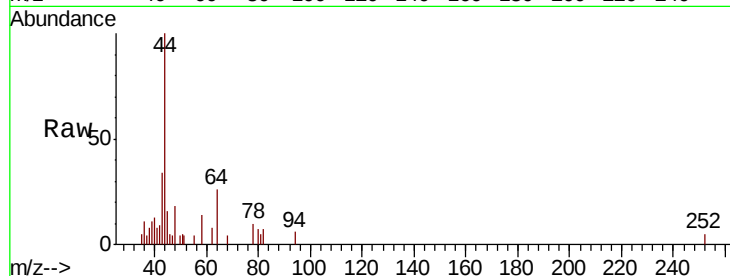




#16
Acetone
Concen: 0.579 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX005238.D
Acq: 11 Oct 2018 07:12

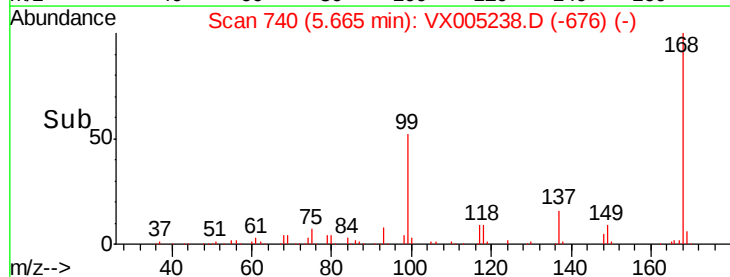
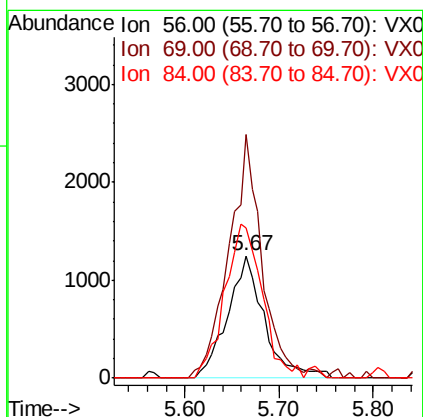
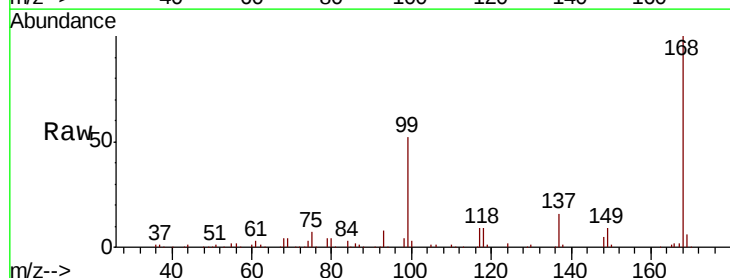
Instrument :
MSVOA_X
ClientSampleId :
RE-103D2-20181003DL

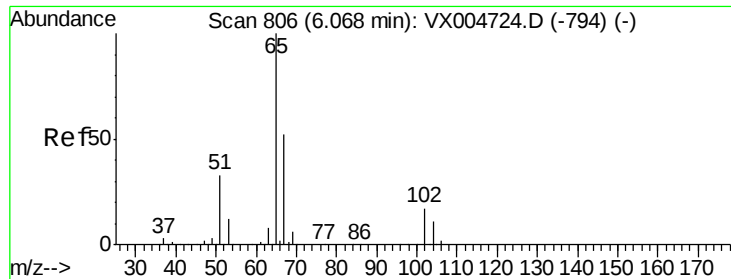
Tot Ion: 43 Resp: 811
Ion Ratio Lower Upper
43 100
58 50.4 21.8 32.6#



#31
Cyclohexane
Concen: 1.107 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005238.D
Acq: 11 Oct 2018 07:12

Tgt Ion: 56 Resp: 3380
Ion Ratio Lower Upper
56 100
69 199.3 25.9 38.9#
84 123.1 71.9 107.9#





#33

1,2-Dichloroethane-d4

Concen: 52.977 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

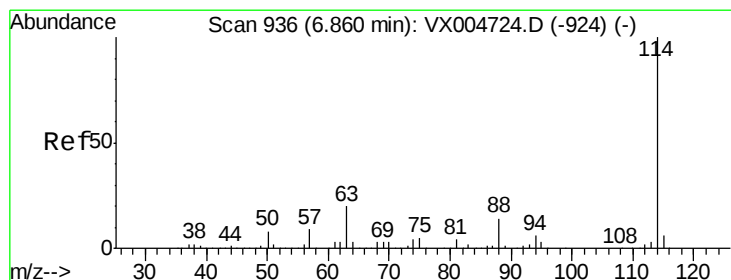
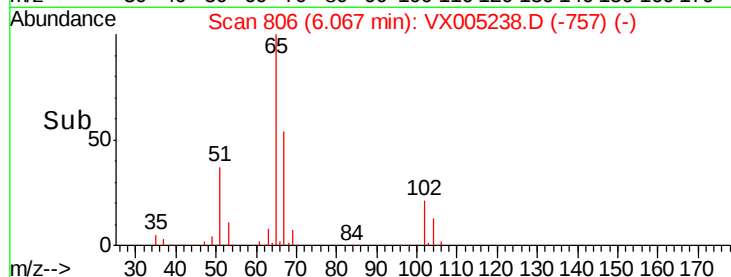
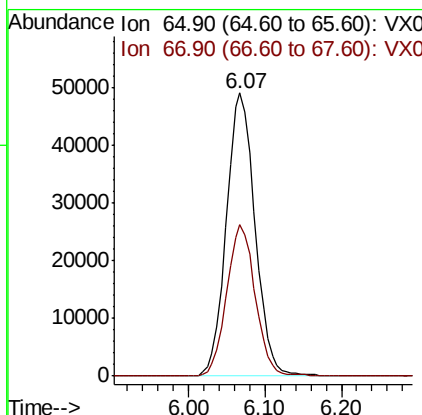
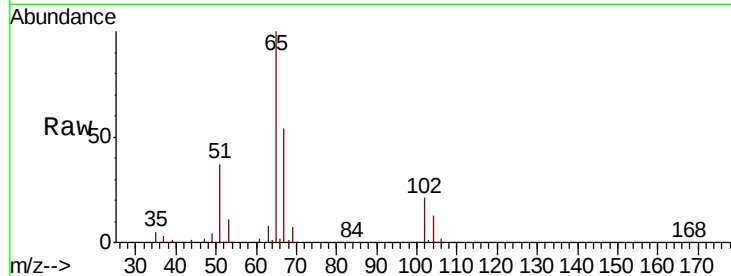
Lab File: VX005238.D

Acq: 11 Oct 2018 07:12

Instrument :
MSVOA_X
ClientSampleId :
RE-103D2-20181003DL

Tot Ion: 65 Resp: 127091

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

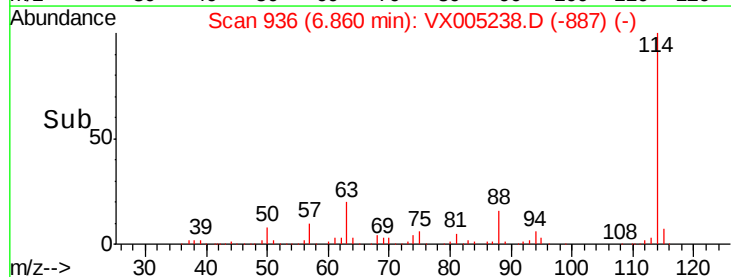
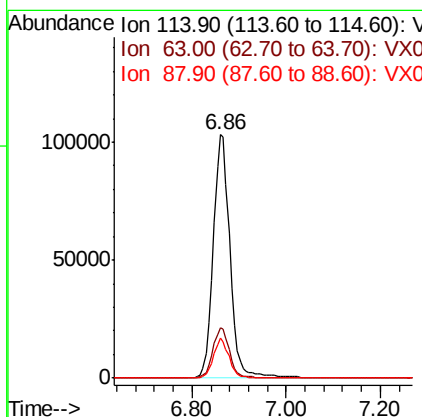
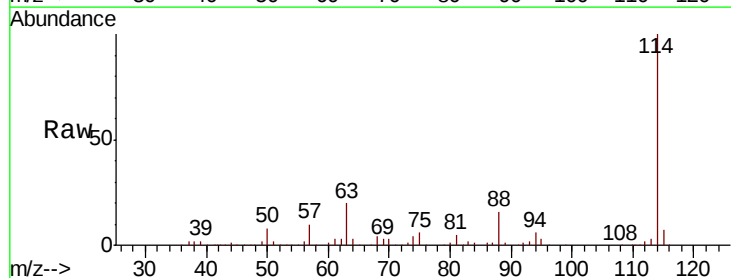
Delta R.T. -0.00 min

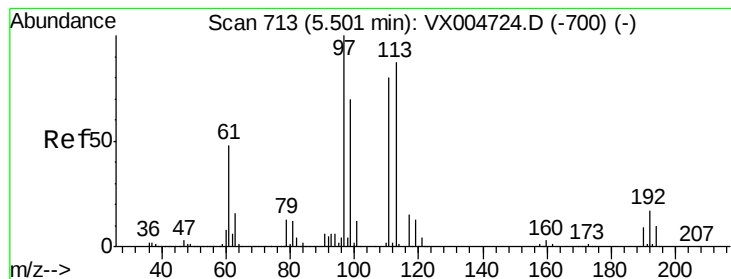
Lab File: VX005238.D

Acq: 11 Oct 2018 07:12

Tgt Ion: 114 Resp: 255017

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	39.8
88	16.3	0.0	27.0





#35

Dibromofluoromethane

Concen: 49.708 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005238.D

Acq: 11 Oct 2018 07:12

Instrument :

MSVOA_X

ClientSampleId :

RE-103D2-20181003DL

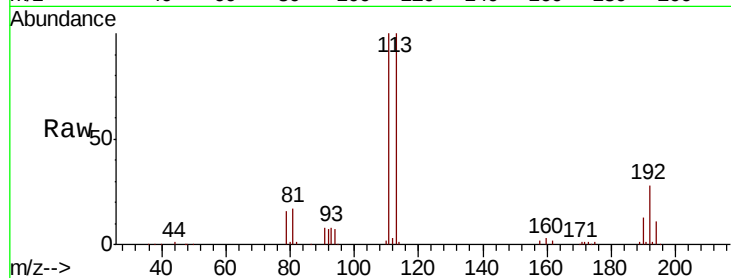
Tot Ion:113 Resp: 107433

Ion Ratio Lower Upper

113 100

111 102.7 77.0 115.4

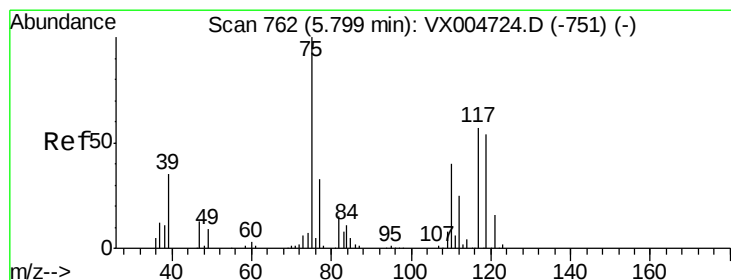
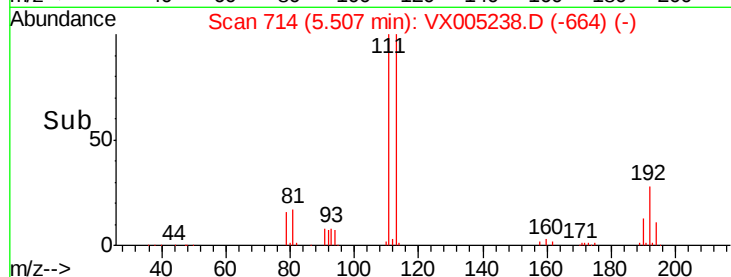
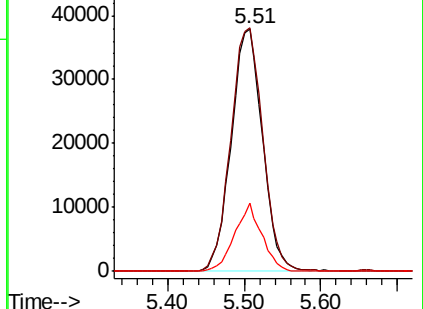
192 24.6 17.0 25.6



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: 4.018 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005238.D

Acq: 11 Oct 2018 07:12

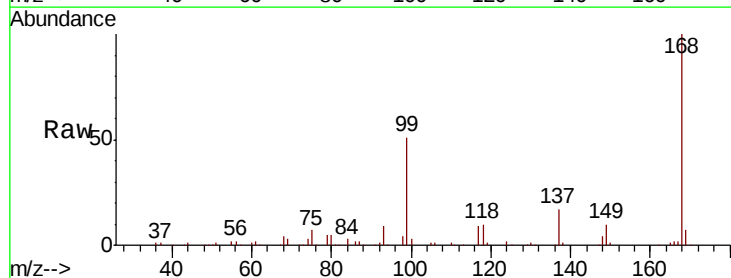
Tgt Ion: 75 Resp: 11849

Ion Ratio Lower Upper

75 100

110 10.2 20.0 59.9#

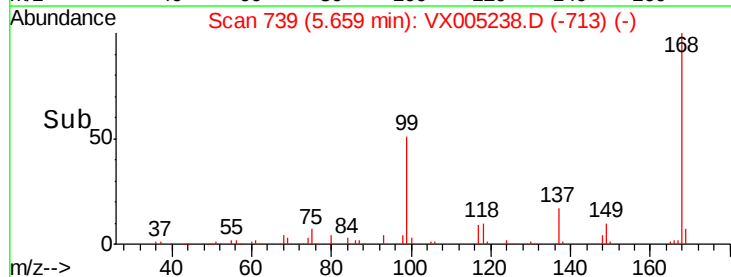
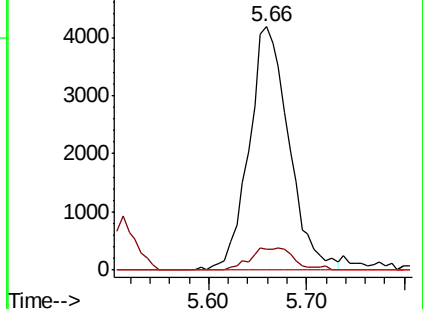
77 0.0 27.1 40.7#

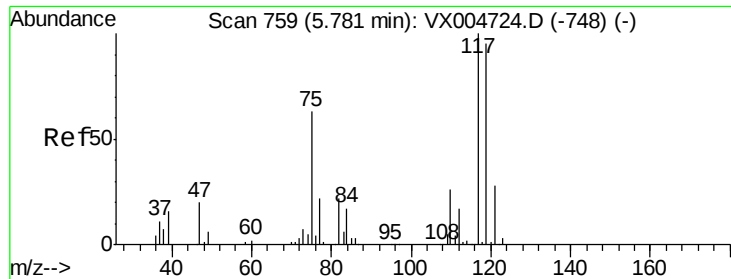


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.928 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005238.D

Acq: 11 Oct 2018 07:12

Instrument :

MSVOA_X

ClientSampleId :

RE-103D2-20181003DL

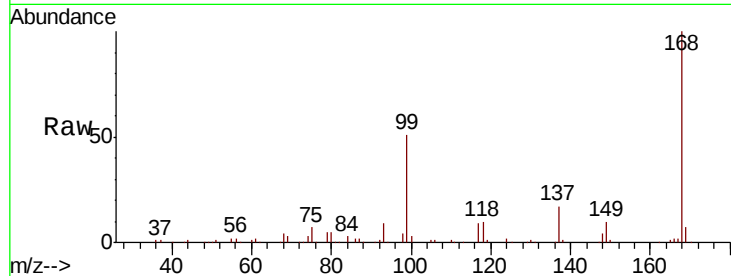
Tot Ion:117 Resp: 15274

Ion Ratio Lower Upper

117 100

119 8.0 75.2 112.8#

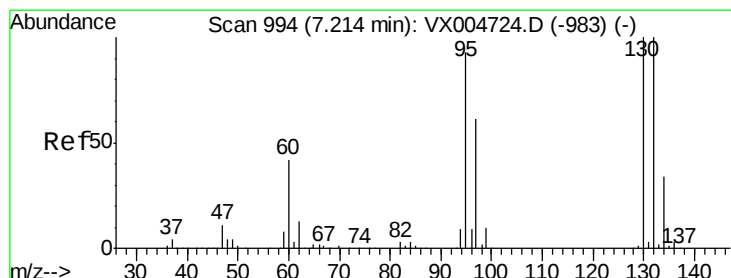
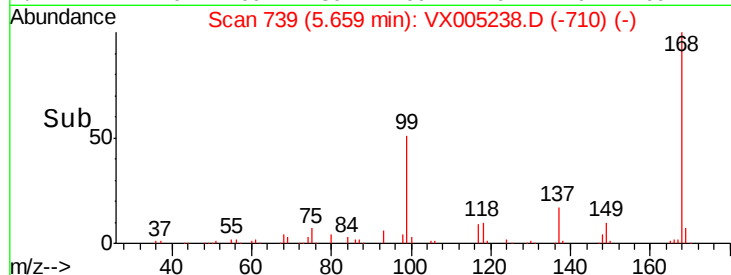
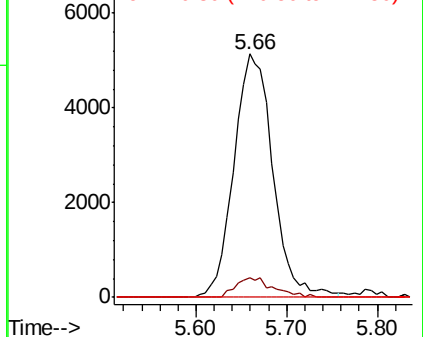
121 0.0 22.5 33.7#



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



#44

Trichloroethene

Concen: 49.523 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX005238.D

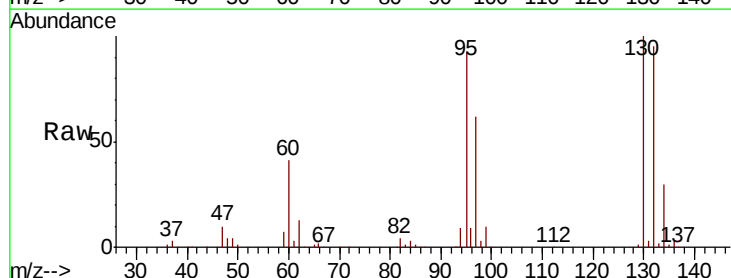
Acq: 11 Oct 2018 07:12

Tgt Ion:130 Resp: 112390

Ion Ratio Lower Upper

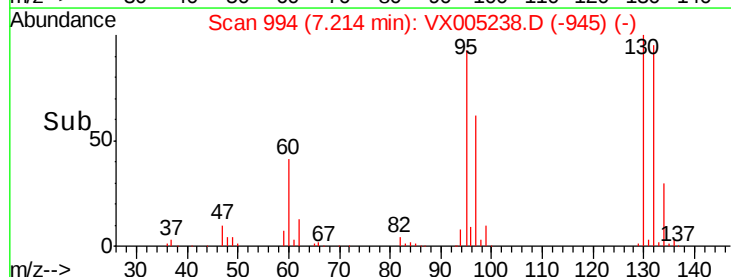
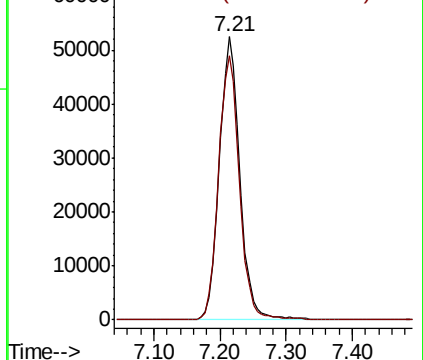
130 100

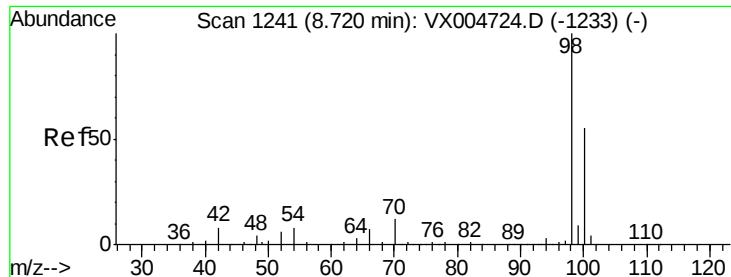
95 93.2 0.0 186.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 51.889 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX005238.D

Acq: 11 Oct 2018 07:12

Instrument :

MSVOA_X

ClientSampleId :

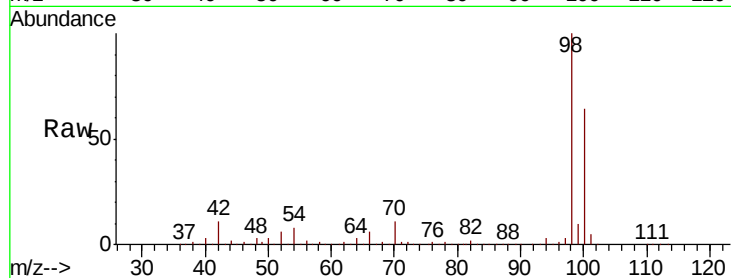
RE-103D2-20181003DL

Tot Ion: 98 Resp: 372831

Ion Ratio Lower Upper

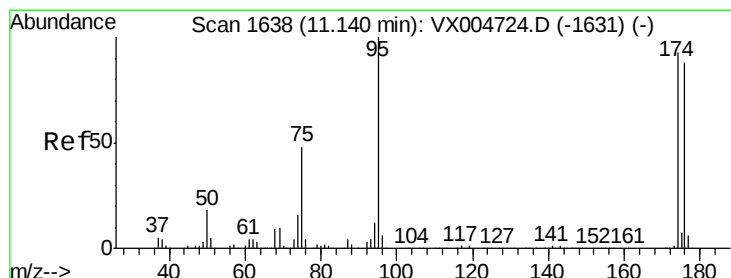
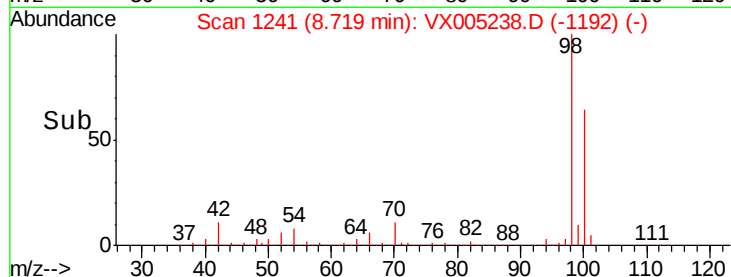
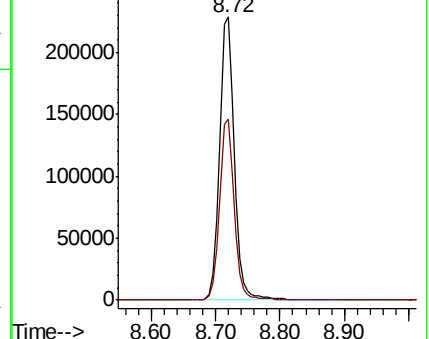
98 100

100 63.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 50.581 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005238.D

Acq: 11 Oct 2018 07:12

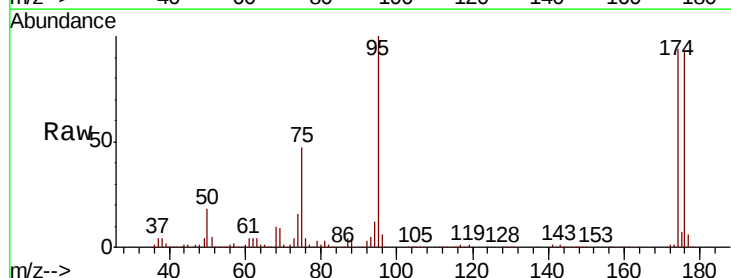
Tgt Ion: 95 Resp: 130930

Ion Ratio Lower Upper

95 100

174 93.2 0.0 185.0

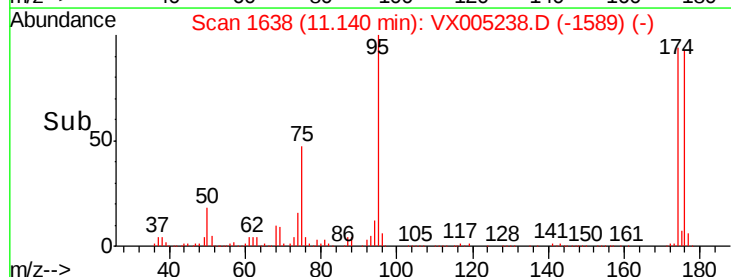
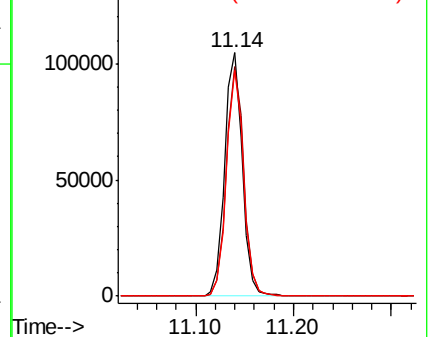
176 90.5 0.0 180.2

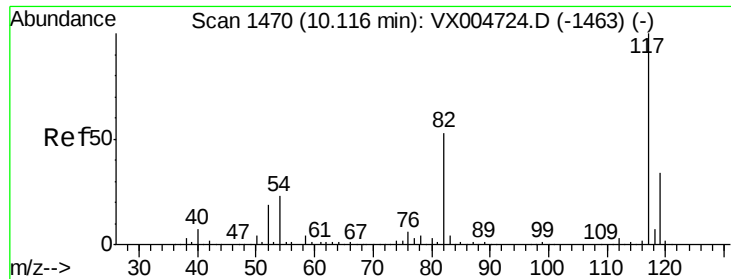


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

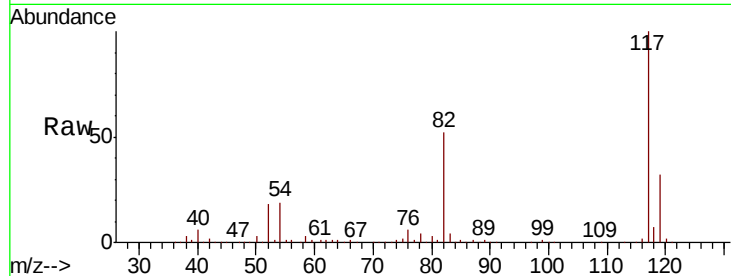




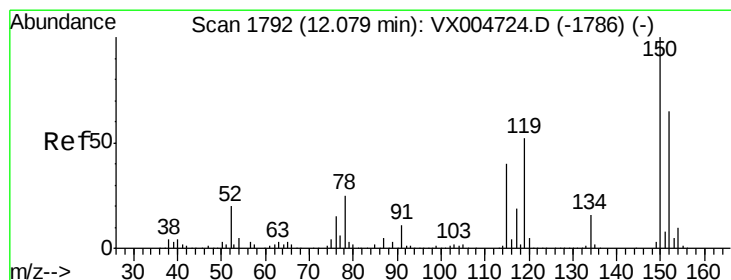
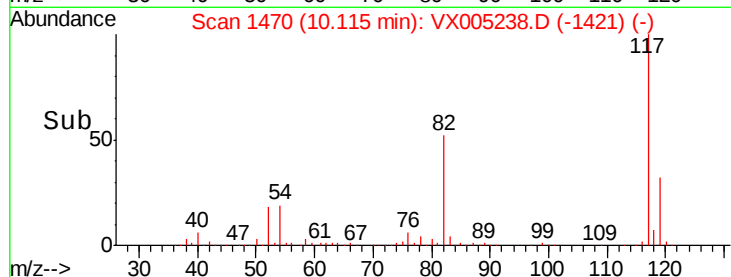
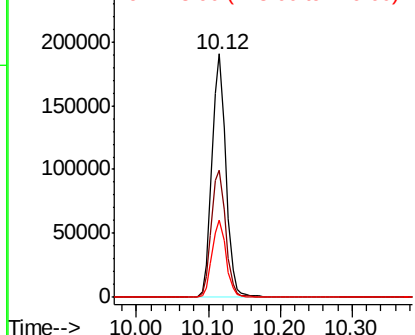
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005238.D
Acq: 11 Oct 2018 07:12

Instrument :
MSVOA_X
ClientSampleId :
RE-103D2-20181003DL

Tot Ion:117 Resp: 254780
Ion Ratio Lower Upper
117 100
82 52.5 42.2 63.4
119 31.5 27.4 41.0

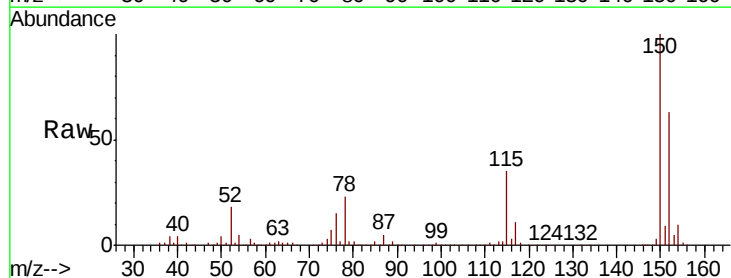


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

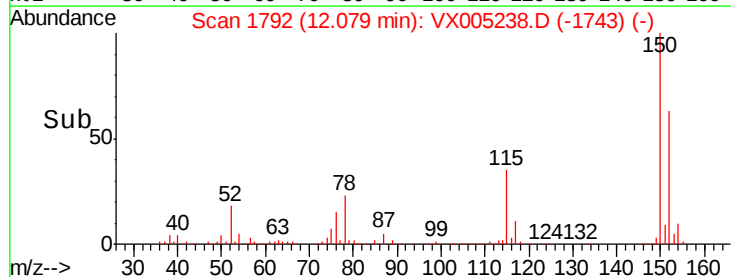
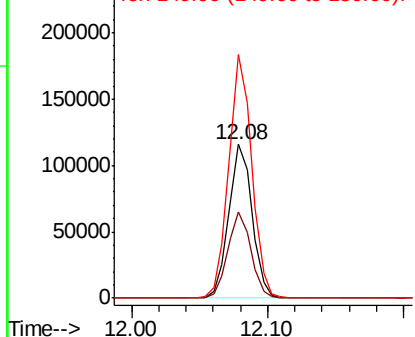


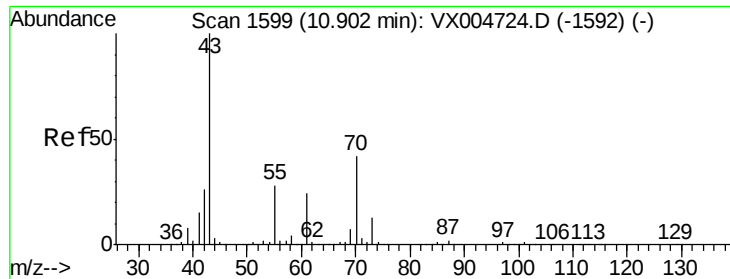
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005238.D
Acq: 11 Oct 2018 07:12

Tgt Ion:152 Resp: 138460
Ion Ratio Lower Upper
152 100
115 55.3 40.2 120.6
150 156.0 0.0 351.0



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





#74

N-amvl acetate

Concen: 1.761 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX005238.D

Acq: 11 Oct 2018 07:12

Instrument :

MSVOA_X

ClientSampleId :

RE-103D2-20181003DL

Tot Ion: 43 Resp: 64

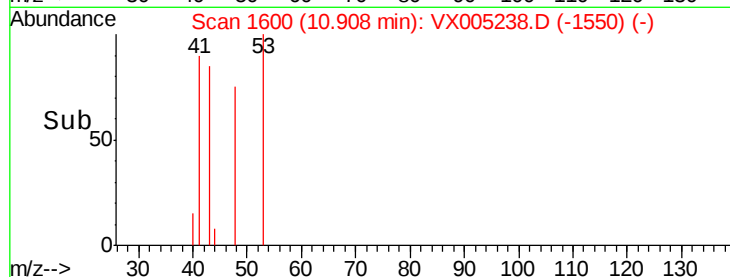
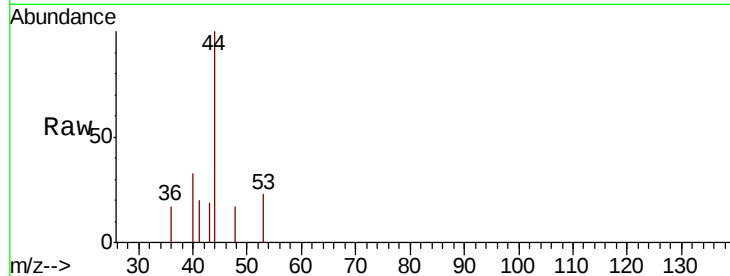
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 0.0 21.6 32.4#

61 0.0 19.1 28.7#

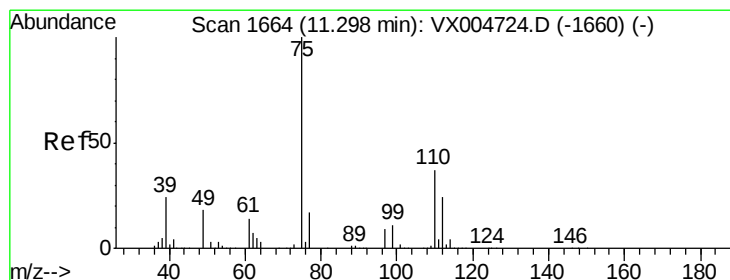
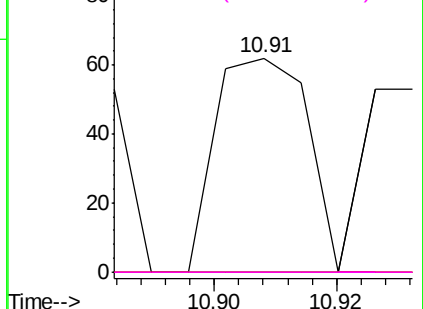


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 20.749 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005238.D

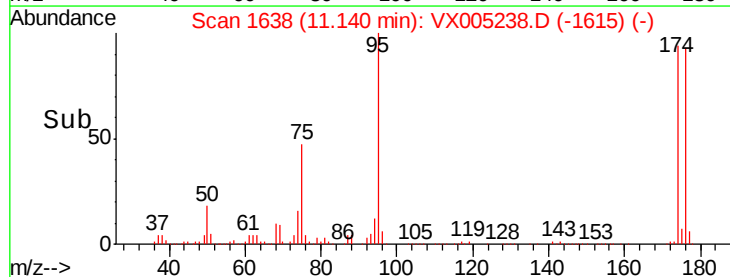
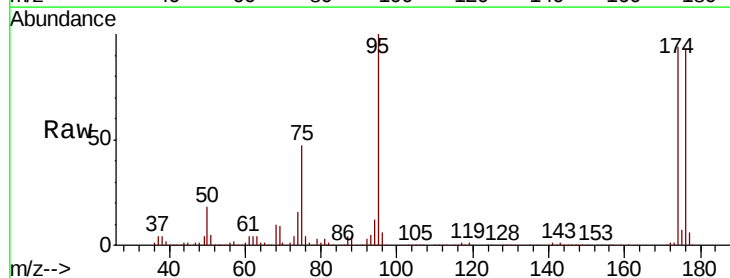
Acq: 11 Oct 2018 07:12

Tgt Ion: 75 Resp: 64391

Ion Ratio Lower Upper

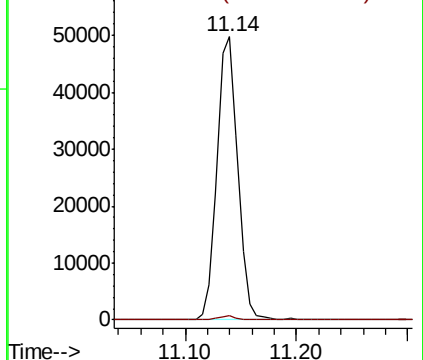
75 100

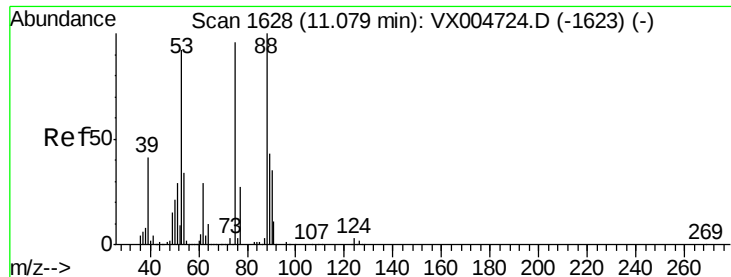
77 1.4 21.4 64.3#



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: 56.327 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005238.D

Acq: 11 Oct 2018 07:12

Instrument :

MSVOA_X

ClientSampleId :

RE-103D2-20181003DL

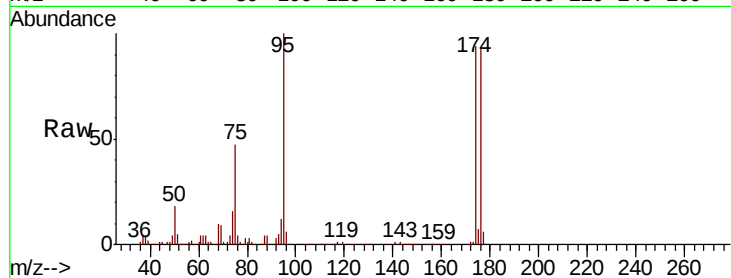
Tot Ion: 75 Resp: 64391

Ion Ratio Lower Upper

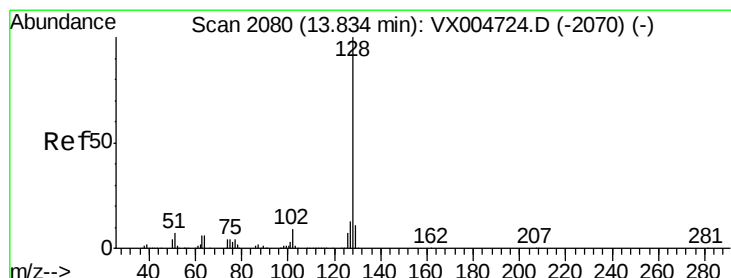
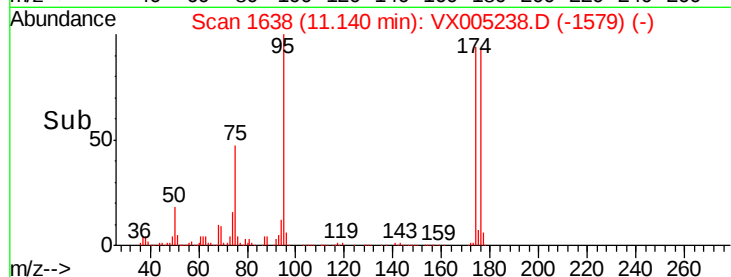
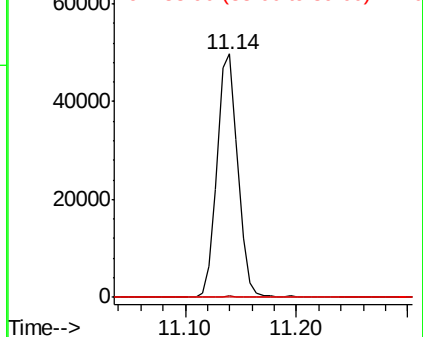
75 100

53 0.5 80.2 120.4#

89 0.0 37.1 55.7#



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



#95

Naphthalene

Concen: 0.734 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005238.D

Acq: 11 Oct 2018 07:12

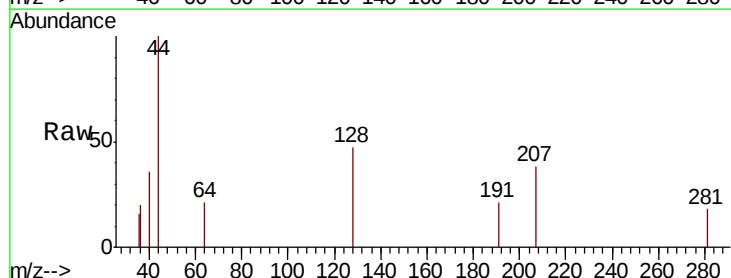
Tgt Ion:128 Resp: 174

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

