

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100918\
 Data File : VX005176.D
 Acq On : 09 Oct 2018 22:57
 Operator : JC/MD
 Sample : J5284-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-104D3-20181003

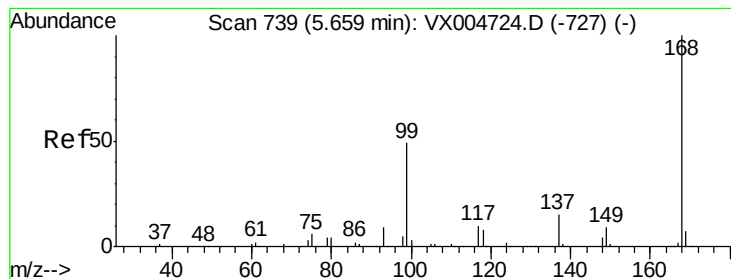
Quant Time: Oct 10 05:56:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	172996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	273764	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	275502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	153517	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	138882	56.20	ug/l	0.00
Spiked Amount			Recovery	=	112.40%	
35) Dibromofluoromethane	5.50	113	114426	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
50) Toluene-d8	8.72	98	402733	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
62) 4-Bromofluorobenzene	11.14	95	145155	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	677	0.237	ug/l	93
5) Bromomethane	1.64	94	338	0.212	ug/l	88
6) Chloroethane	1.71	64	642	Below Cal	#	50
11) Tert butyl alcohol	3.07	59	389	0.563	ug/l #	65
13) Acrolein	2.31	56	122	0.248	ug/l #	46
16) Acetone	2.45	43	3920	2.717	ug/l #	83
20) Methylene Chloride	2.85	84	326	Below Cal	#	82
31) Cyclohexane	5.67	56	3434	1.092	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	12075	3.814	ug/l #	46
38) Carbon Tetrachloride	5.67	117	16006	4.810	ug/l #	18
44) Trichloroethene	7.22	130	2780	1.141	ug/l	94
56) Ethyl methacrylate	9.13	69	22	2.867	ug/l #	22
74) N-amyl acetate	10.91	43	89	1.764	ug/l #	44
76) 1,2,3-Trichloropropane	11.14	75	71995	20.923	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	21	Below Cal	#	29
81) trans-1,4-Dichloro-2-buten	11.14	75	71995	56.785	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	85	Below Cal	#	31
95) Naphthalene	13.83	128	174	0.733	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005176.D

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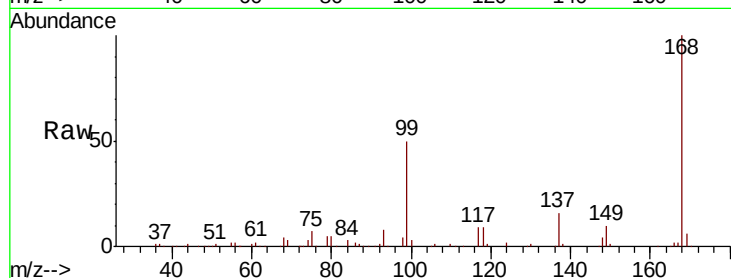
RE-104D3-20181003

Tot Ion:168 Resp: 172996

Ion Ratio Lower Upper

168 100

99 50.2 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

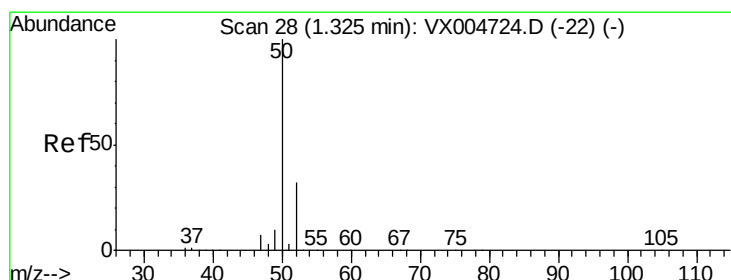
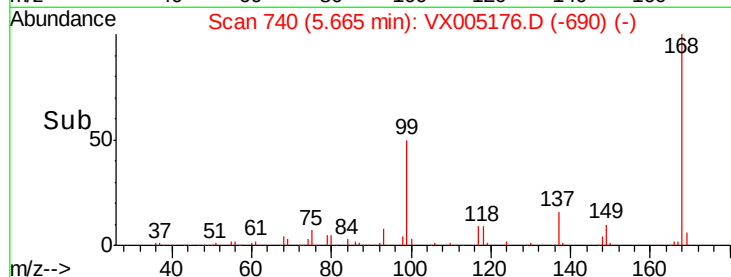
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.237 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005176.D

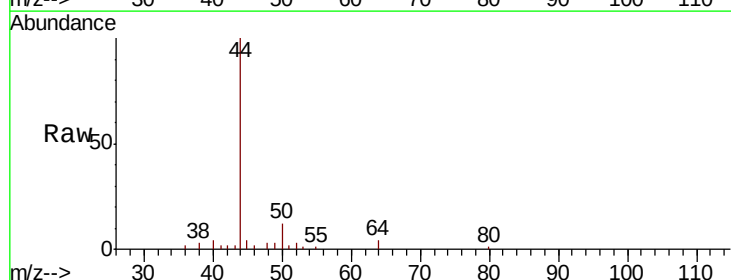
Acq: 09 Oct 2018 22:57

Tgt Ion: 50 Resp: 677

Ion Ratio Lower Upper

50 100

52 28.4 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

600

500

400

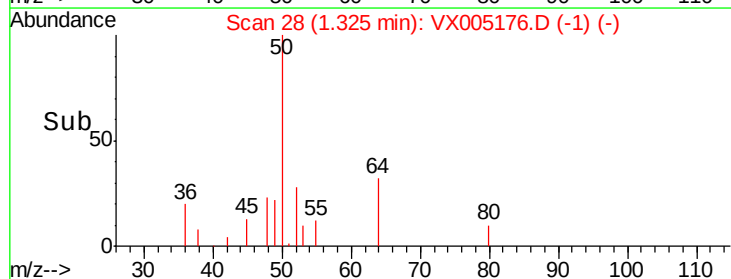
300

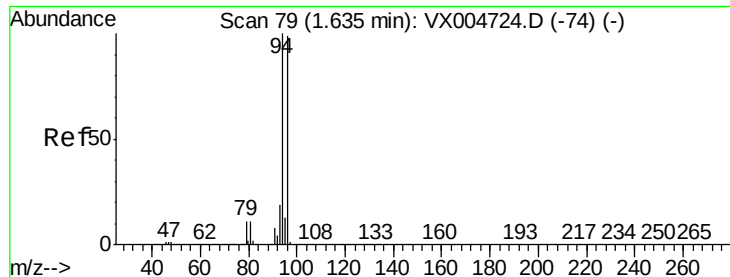
200

100

0

Time-->





#5

Bromomethane

Concen: 0.212 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005176.D

Acq: 09 Oct 2018 22:57

Instrument :

MSVOA_X

ClientSampleId :

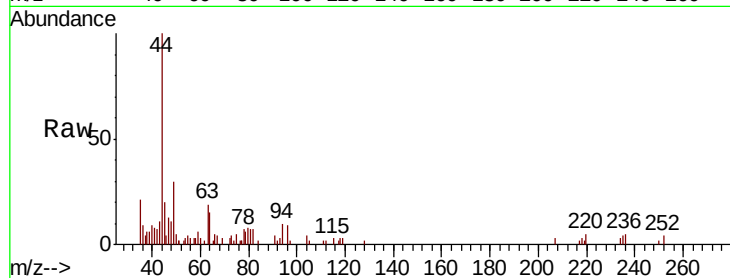
RE-104D3-20181003

Tot Ion: 94 Resp: 338

Ion Ratio Lower Upper

94 100

96 87.5 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

300

250

200

150

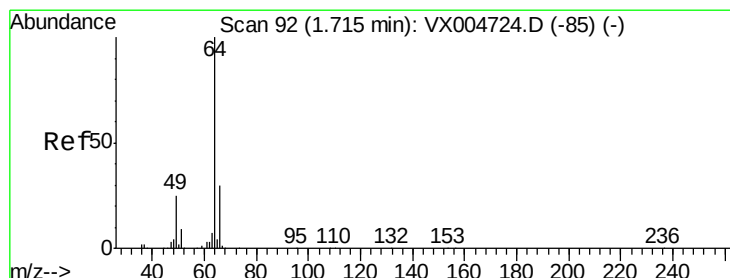
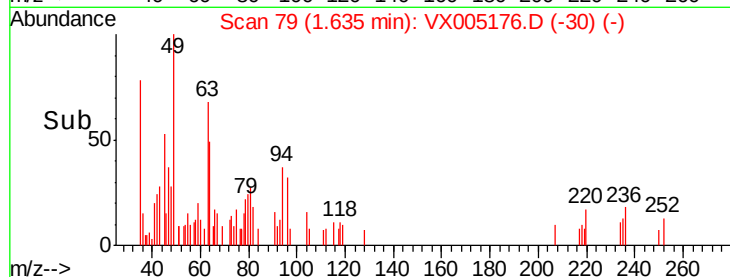
100

50

0

Time-->

1.62 1.64 1.66 1.68



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX005176.D

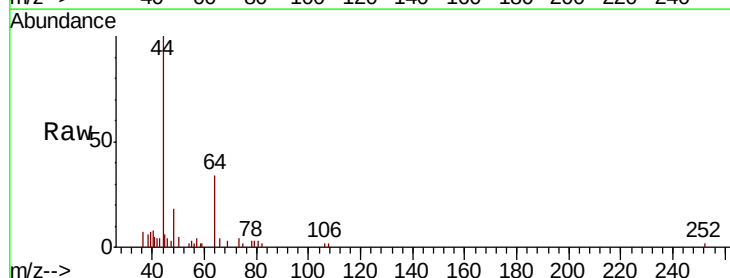
Acq: 09 Oct 2018 22:57

Tgt Ion: 64 Resp: 642

Ion Ratio Lower Upper

64 100

66 2.9 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

1200

1000

800

600

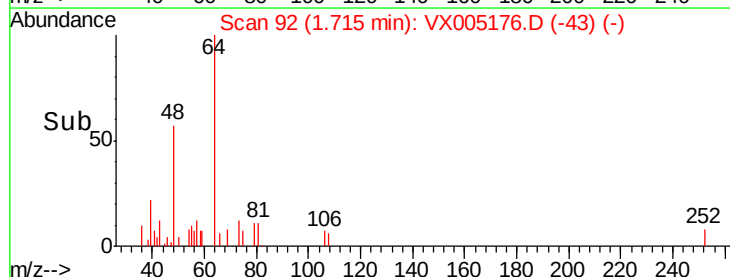
400

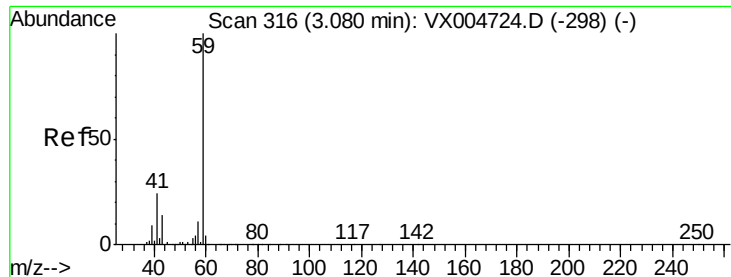
200

0

Time-->

1.66 1.68 1.70 1.72 1.74



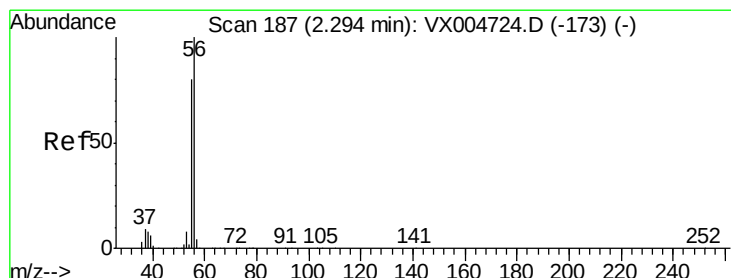
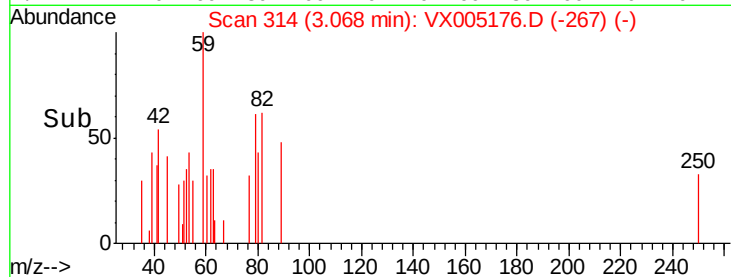
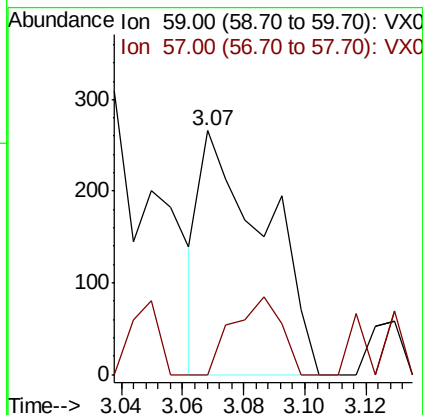
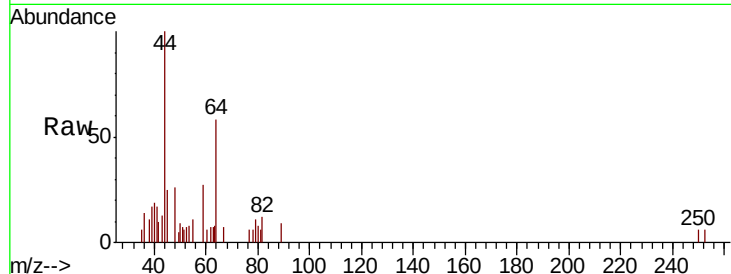


#11

Tert butyl alcohol
Concen: 0.563 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005176.D
Acq: 09 Oct 2018 22:57

Instrument :
MSVOA_X
ClientSampleId :
RE-104D3-20181003

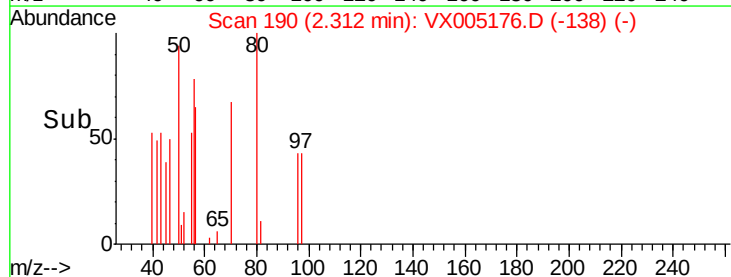
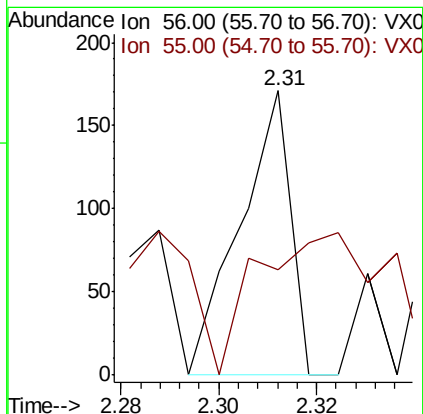
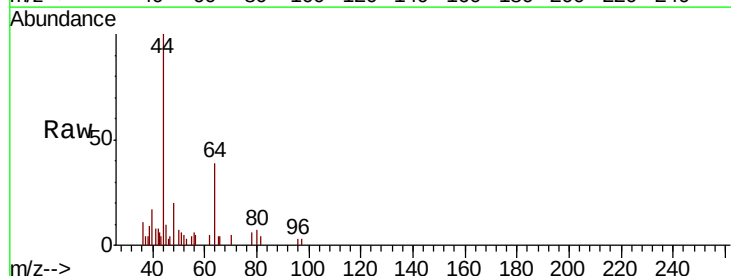
Tot Ion: 59 Resp: 389
Ion Ratio Lower Upper
59 100
57 23.9 8.6 12.8#

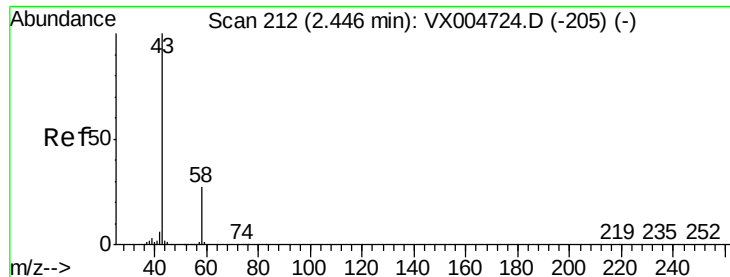


#13

Acrolein
Concen: 0.248 ug/l
RT: 2.31 min Scan# 190
Delta R.T. 0.02 min
Lab File: VX005176.D
Acq: 09 Oct 2018 22:57

Tgt Ion: 56 Resp: 122
Ion Ratio Lower Upper
56 100
55 127.0 63.4 95.2#





#16

Acetone

Concen: 2.717 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005176.D

Acq: 09 Oct 2018 22:57

Instrument :

MSVOA_X

ClientSampleId :

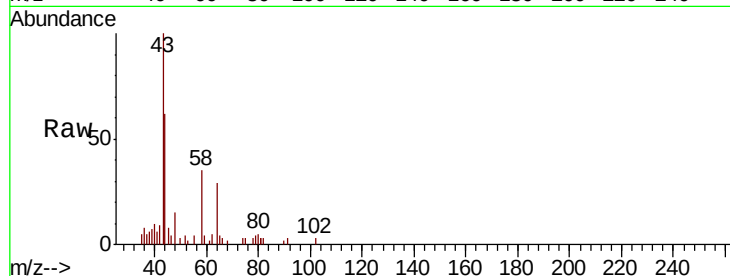
RE-104D3-20181003

Tot Ion: 43 Resp: 3920

Ion Ratio Lower Upper

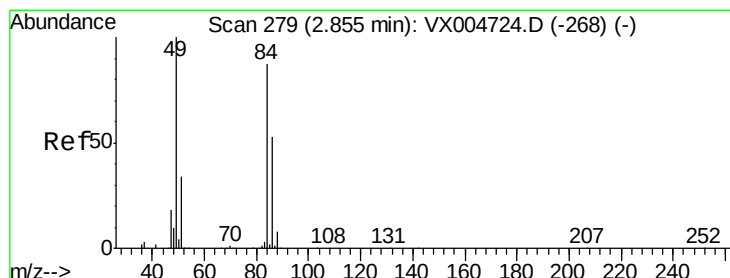
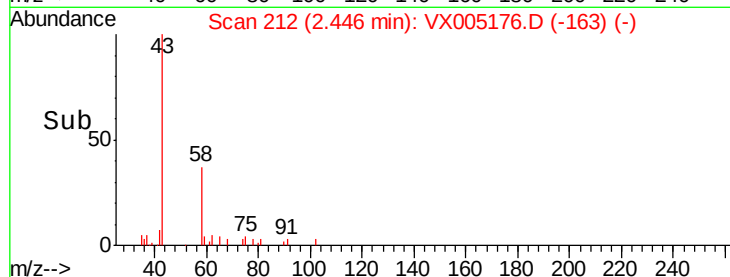
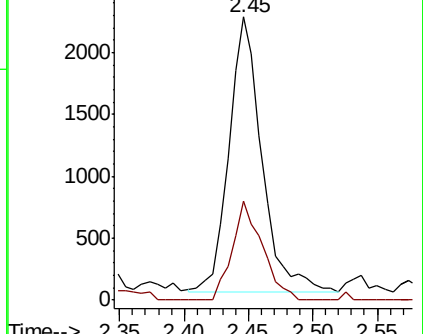
43 100

58 36.2 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005176.D

Acq: 09 Oct 2018 22:57

Tgt Ion: 84 Resp: 326

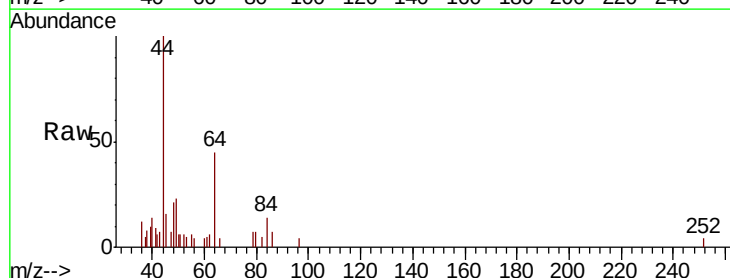
Ion Ratio Lower Upper

84 100

49 143.2 92.3 138.5#

51 42.2 31.8 47.6

86 50.0 48.5 72.7

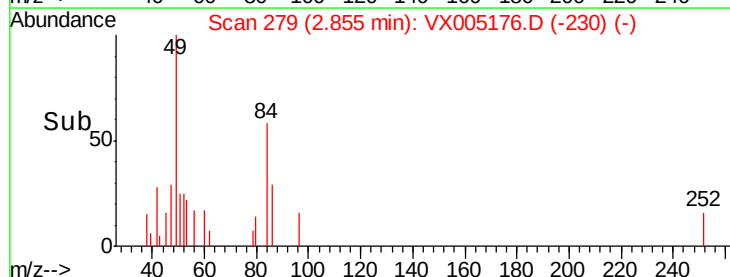
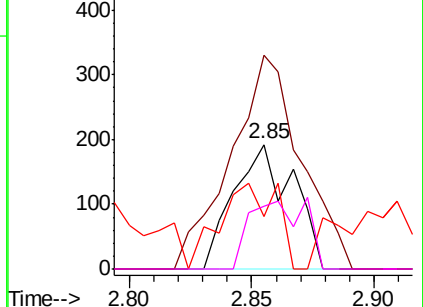


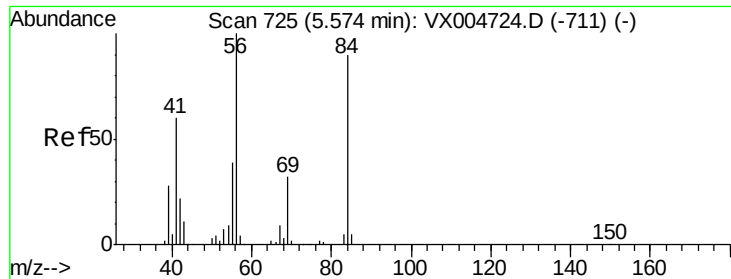
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

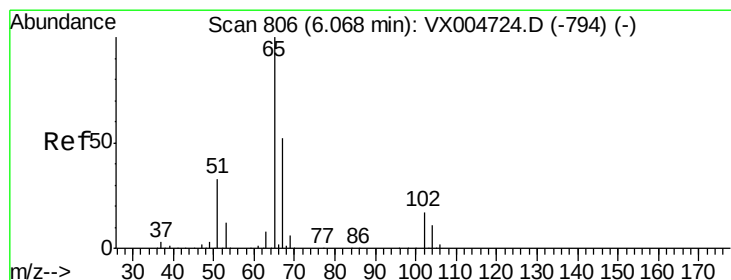
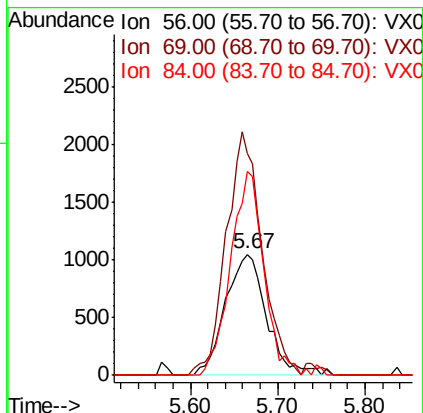
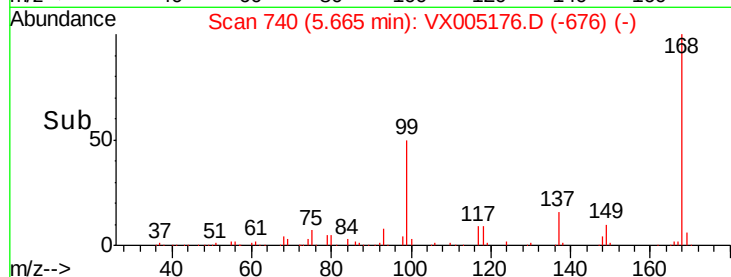
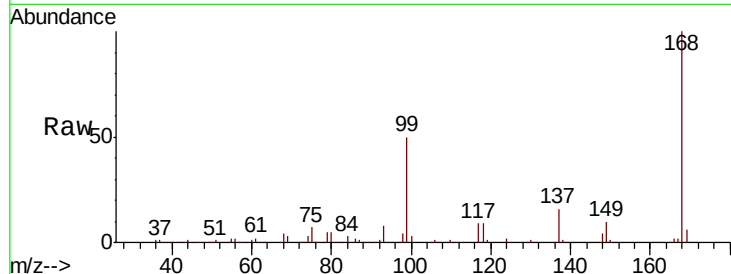




#31
Cyclohexane
Concen: 1.092 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005176.D
Acq: 09 Oct 2018 22:57

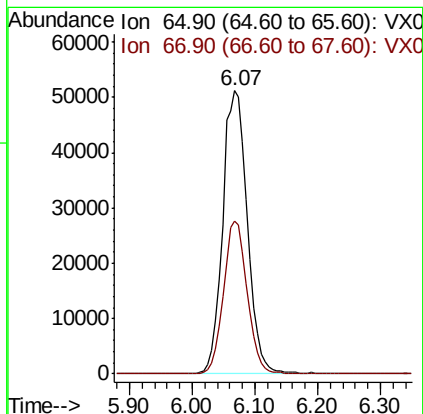
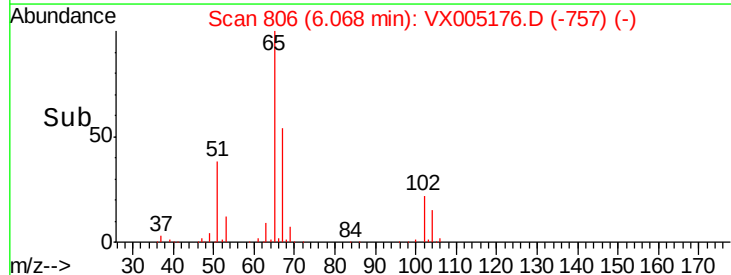
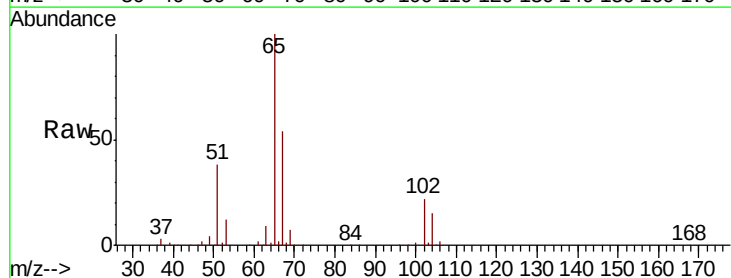
Instrument :
MSVOA_X
ClientSampleId :
RE-104D3-20181003

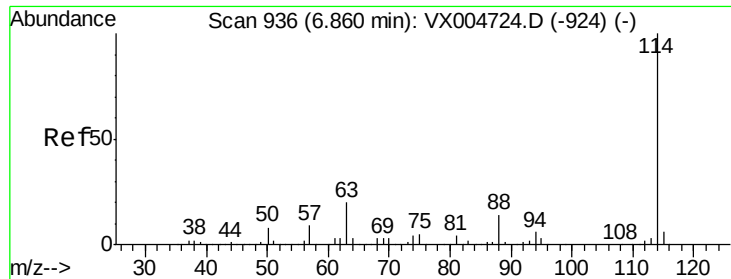
Tot Ion: 56 Resp: 3434
Ion Ratio Lower Upper
56 100
69 183.1 25.9 38.9#
84 168.2 71.9 107.9#



#33
1,2-Dichloroethane-d4
Concen: 56.199 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX005176.D
Acq: 09 Oct 2018 22:57

Tgt Ion: 65 Resp: 138882
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.4

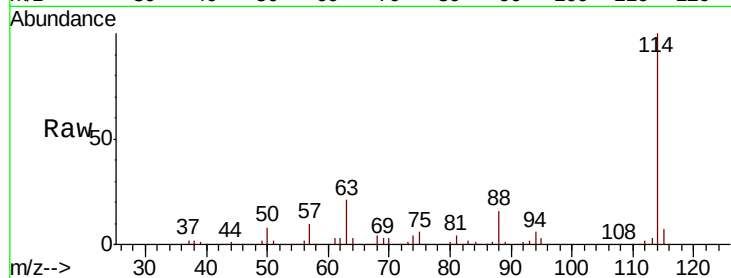




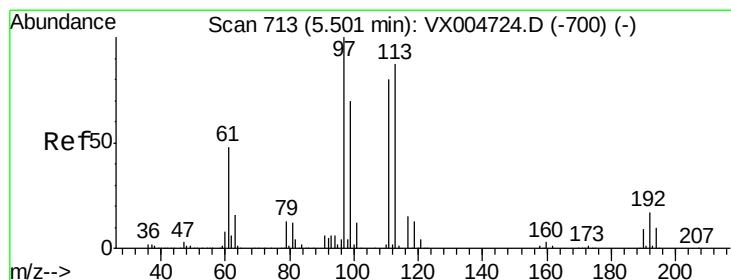
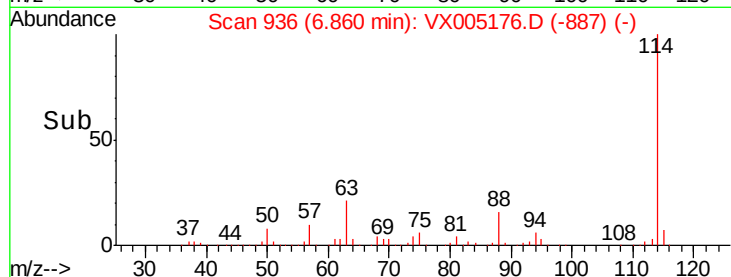
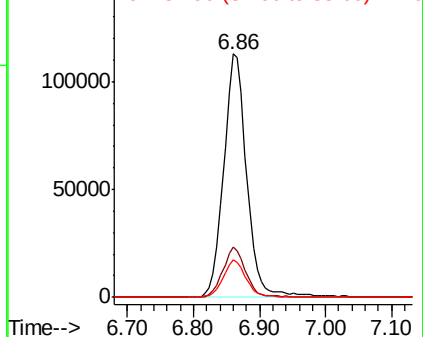
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005176.D
 Acq: 09 Oct 2018 22:57

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-104D3-20181003

Tot Ion:114 Resp: 273764
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 39.8
 88 15.6 0.0 27.0

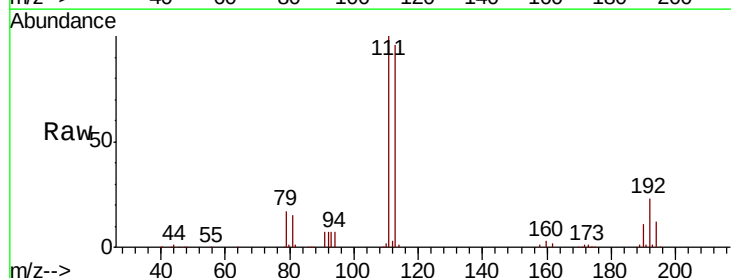


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

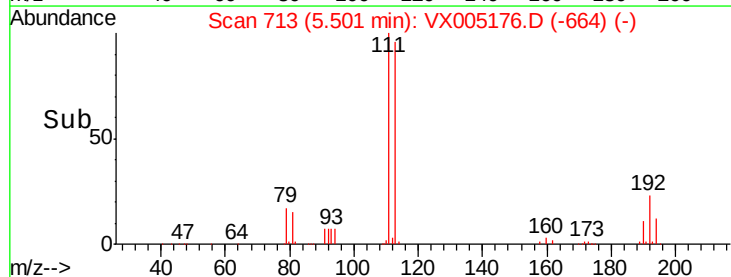
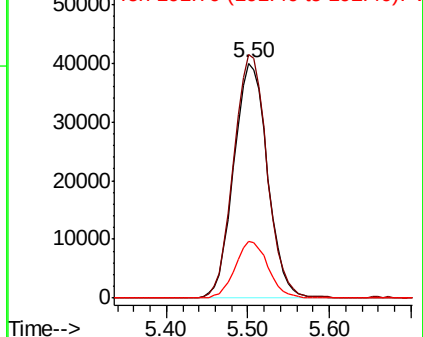


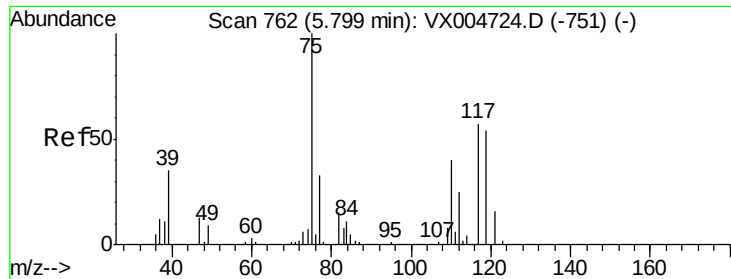
#35
 Dibromofluoromethane
 Concen: 49.318 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005176.D
 Acq: 09 Oct 2018 22:57

Tgt Ion:113 Resp: 114426
 Ion Ratio Lower Upper
 113 100
 111 103.2 77.0 115.4
 192 23.7 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

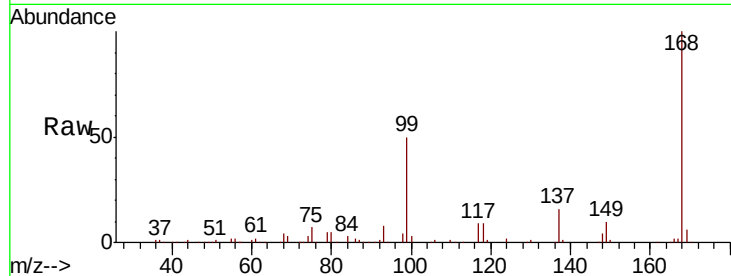




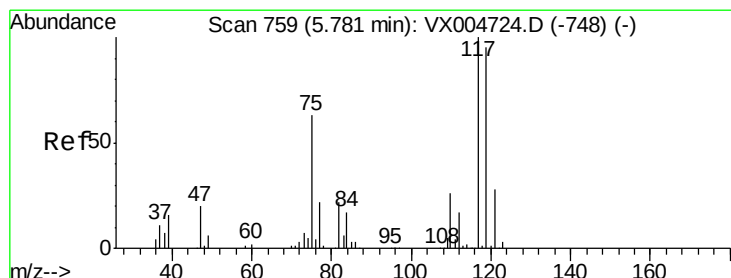
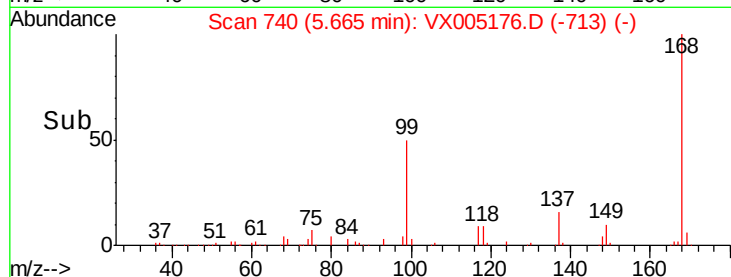
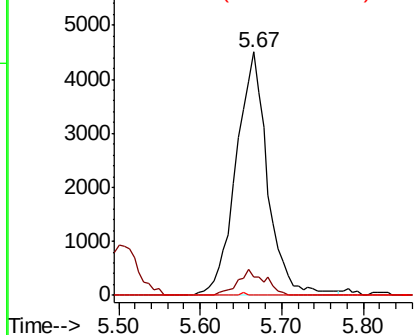
#36
 1,1-Dichloropropene
 Concen: 3.814 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005176.D
 Acq: 09 Oct 2018 22:57

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-104D3-20181003

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	20.0	59.9#
77	0.2	27.1	40.7#

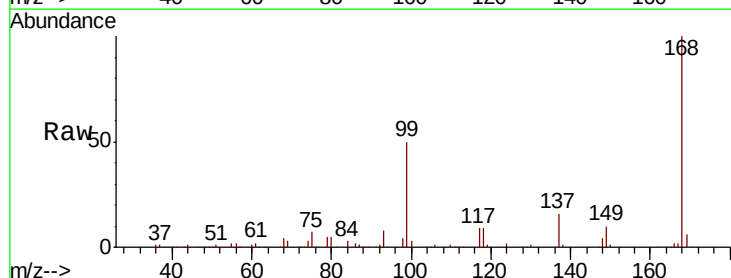


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

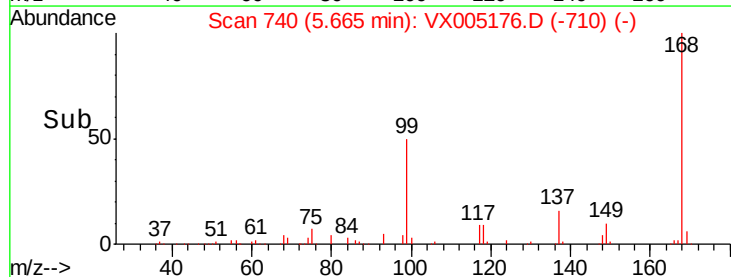
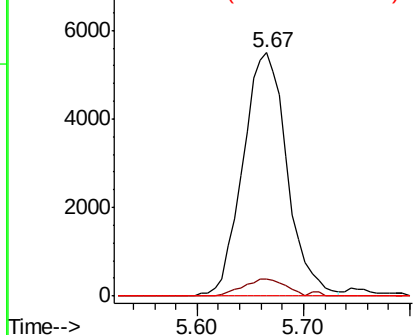


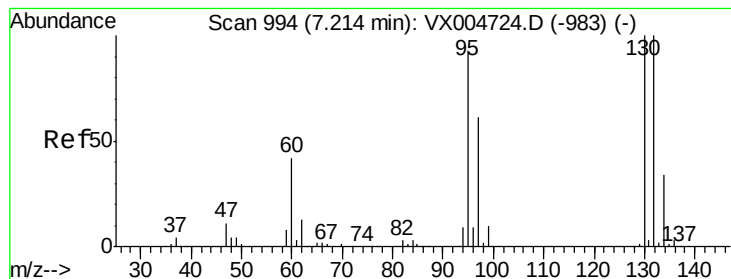
#38
 Carbon Tetrachloride
 Concen: 4.810 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005176.D
 Acq: 09 Oct 2018 22:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.9	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: 1.141 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX005176.D

Acq: 09 Oct 2018 22:57

Instrument :

MSVOA_X

ClientSampleId :

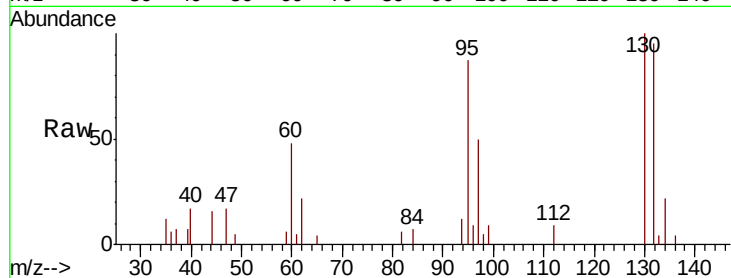
RE-104D3-20181003

Tot Ion:130 Resp: 2780

Ion Ratio Lower Upper

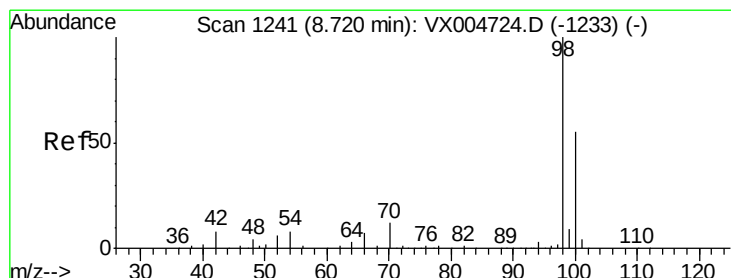
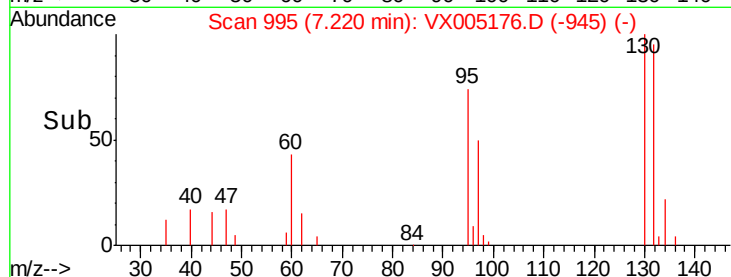
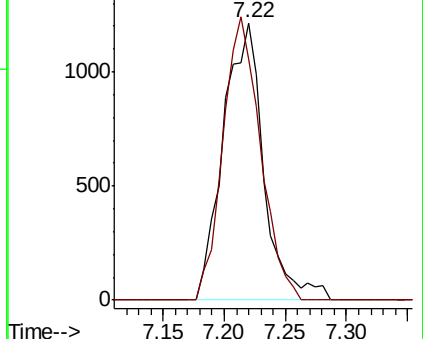
130 100

95 87.2 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: 52.212 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX005176.D

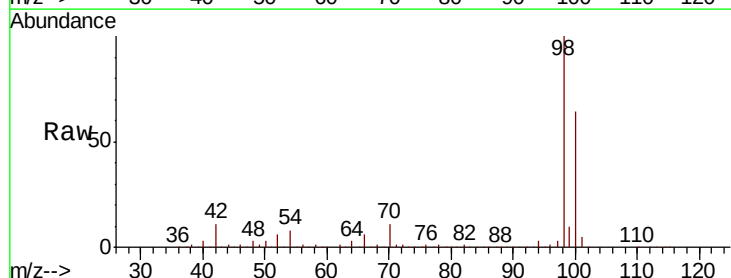
Acq: 09 Oct 2018 22:57

Tgt Ion: 98 Resp: 402733

Ion Ratio Lower Upper

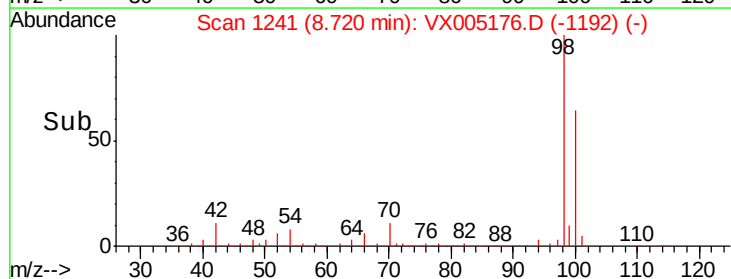
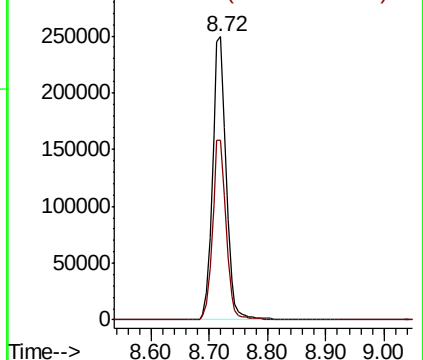
98 100

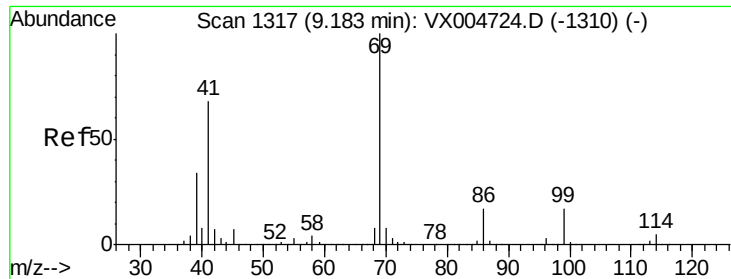
100 63.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

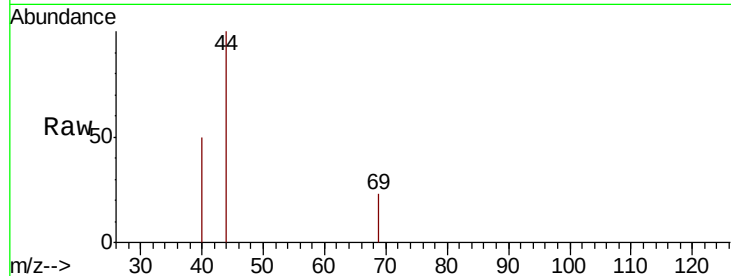




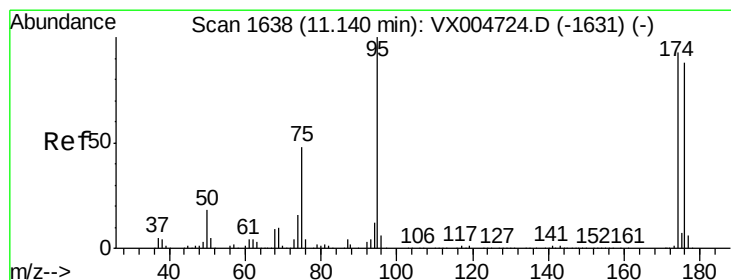
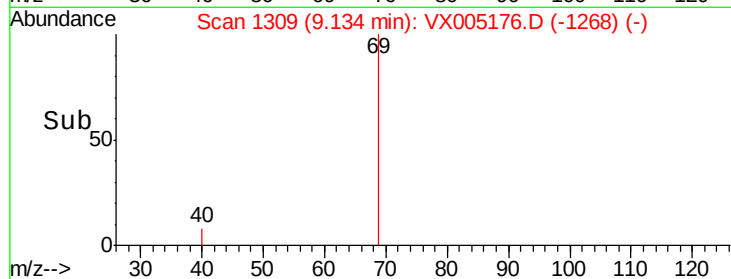
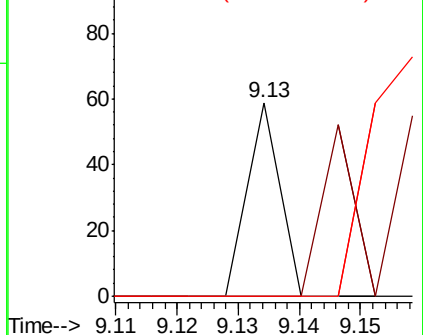
#56
Ethyl methacrylate
Concen: 2.867 ug/l
RT: 9.13 min Scan# 1309
Delta R.T. -0.05 min
Lab File: VX005176.D
Acq: 09 Oct 2018 22:57

Instrument :
MSVOA_X
ClientSampleId :
RE-104D3-20181003

Tot Ion: 69 Resp: 22
Ion Ratio Lower Upper
69 100
41 0.0 56.9 85.3#
39 0.0 28.4 42.6#

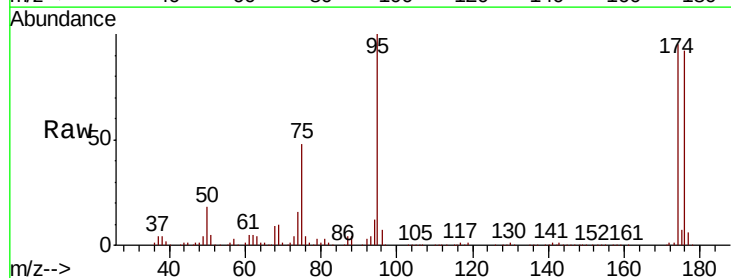


Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

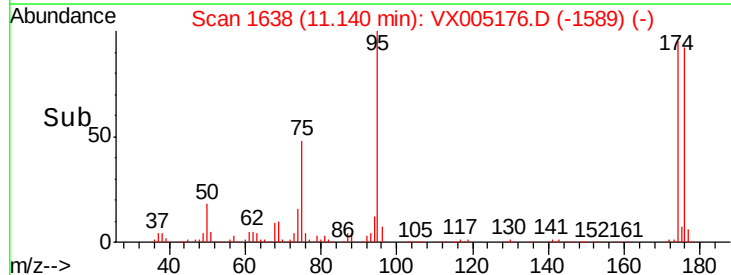
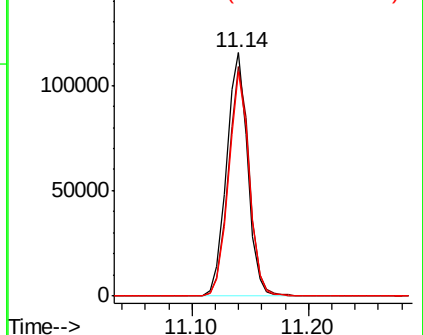


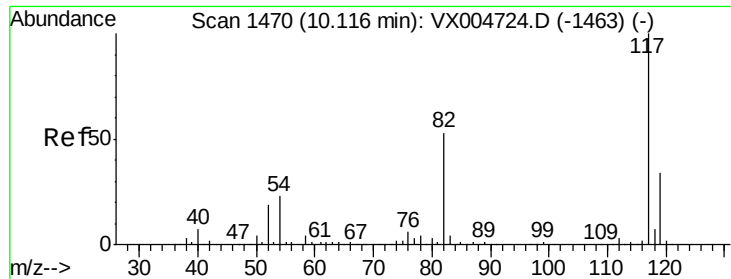
#62
4-Bromofluorobenzene
Concen: 52.236 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005176.D
Acq: 09 Oct 2018 22:57

Tgt Ion: 95 Resp: 145155
Ion Ratio Lower Upper
95 100
174 94.1 0.0 185.0
176 90.2 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

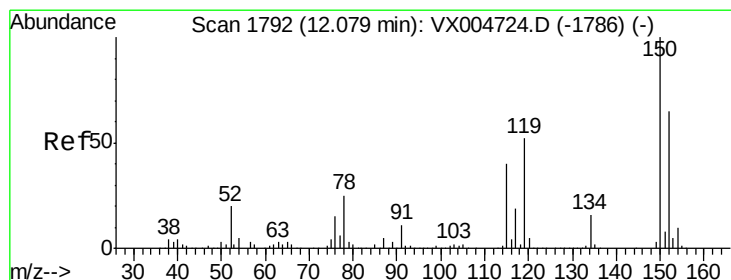
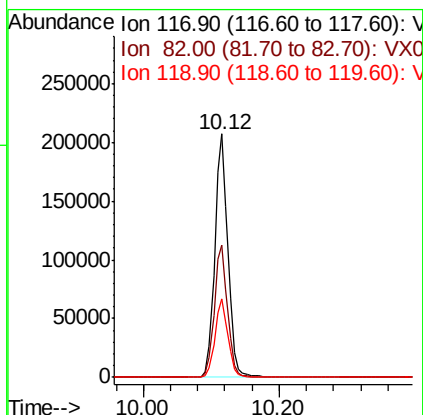
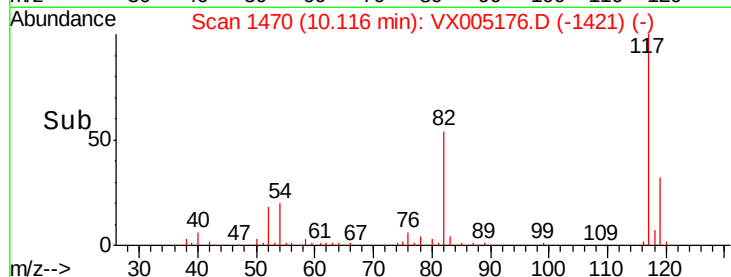
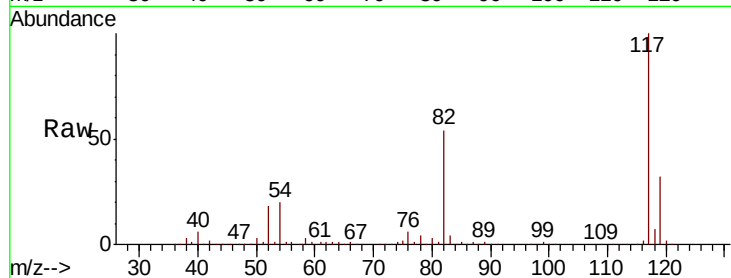




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005176.D
Acq: 09 Oct 2018 22:57

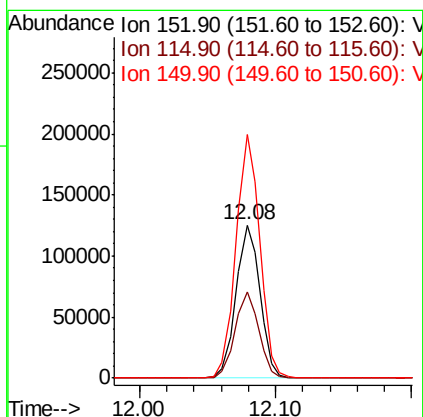
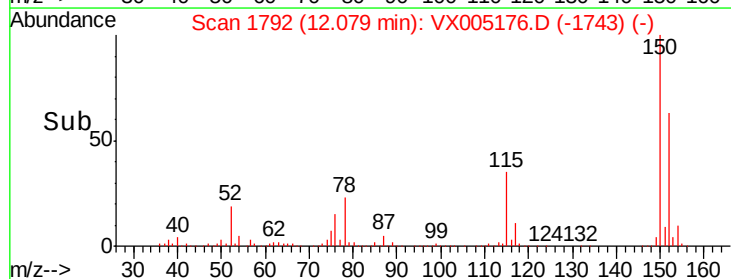
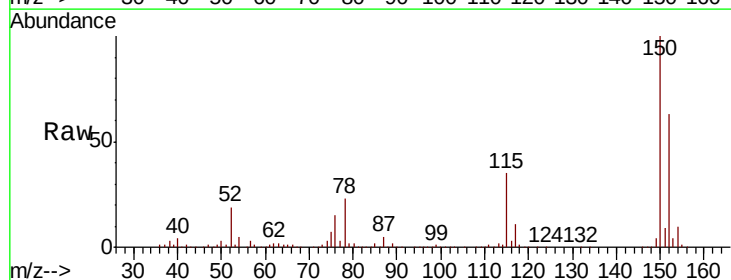
Instrument :
MSVOA_X
ClientSampleId :
RE-104D3-20181003

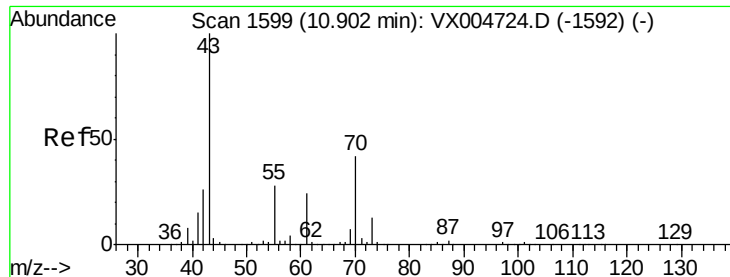
Tot Ion:117 Resp: 275502
Ion Ratio Lower Upper
117 100
82 54.4 42.2 63.4
119 32.1 27.4 41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005176.D
Acq: 09 Oct 2018 22:57

Tgt Ion:152 Resp: 153517
Ion Ratio Lower Upper
152 100
115 55.8 40.2 120.6
150 158.2 0.0 351.0

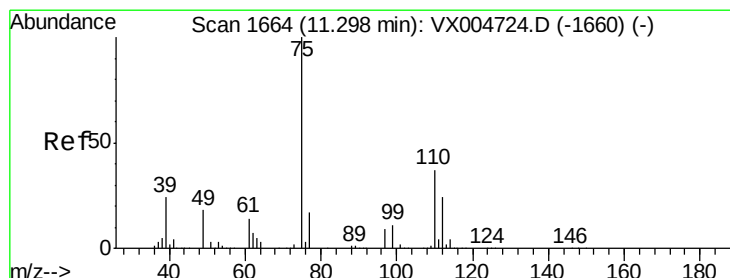
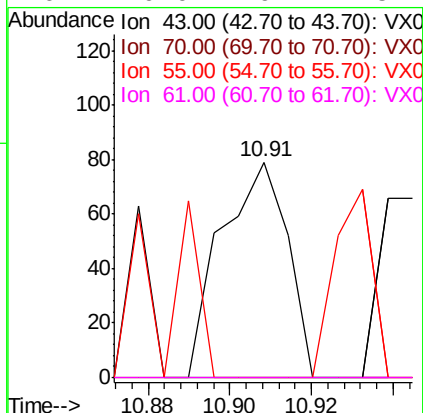
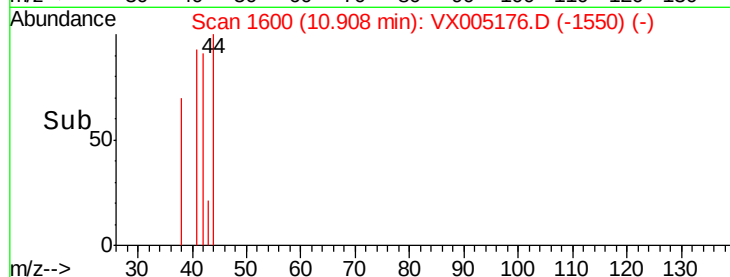
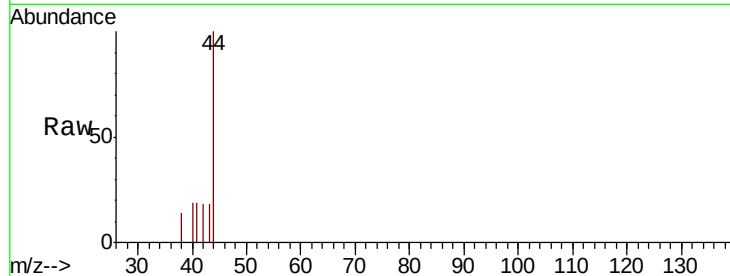




#74
N-amvl acetate
Concen: 1.764 ug/l
RT: 10.91 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VX005176.D
Acq: 09 Oct 2018 22:57

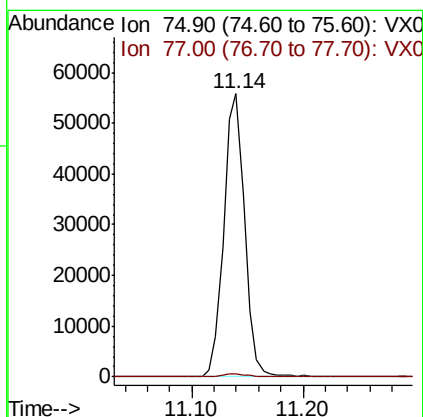
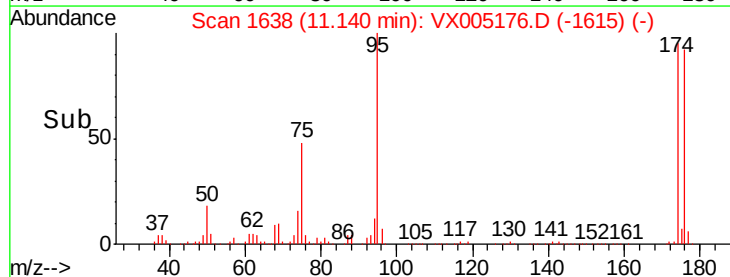
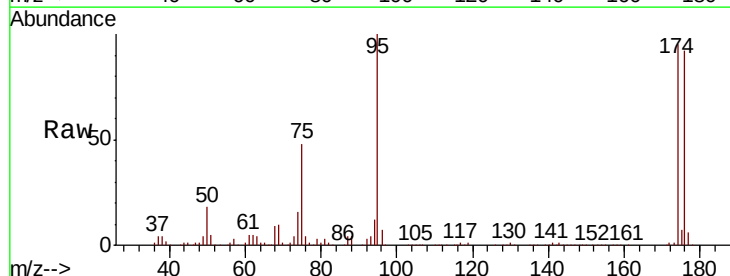
Instrument :
MSVOA_X
ClientSampleId :
RE-104D3-20181003

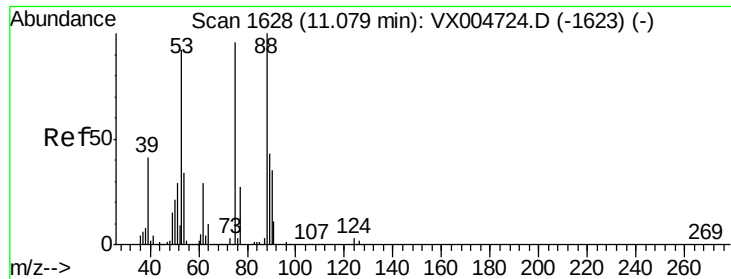
Tot Ion: 43 Resp: 89
Ion Ratio Lower Upper
43 100
70 0.0 32.6 48.8#
55 51.7 21.6 32.4#
61 0.0 19.1 28.7#



#76
1,2,3-Trichloropropane
Concen: 20.923 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005176.D
Acq: 09 Oct 2018 22:57

Tgt Ion: 75 Resp: 71995
Ion Ratio Lower Upper
75 100
77 1.3 21.4 64.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 56.785 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005176.D

Acq: 09 Oct 2018 22:57

Instrument :

MSVOA_X

ClientSampleId :

RE-104D3-20181003

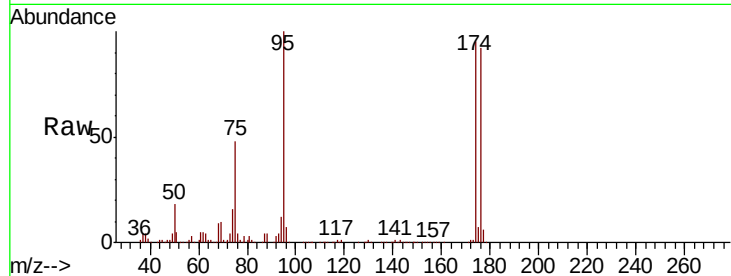
Tot Ion: 75 Resp: 71995

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.4#

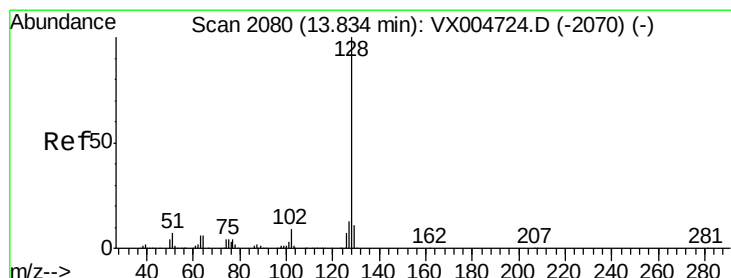
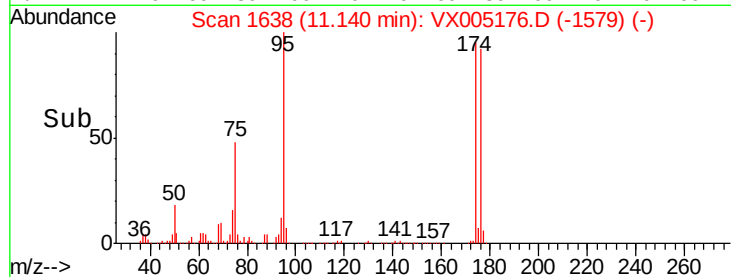
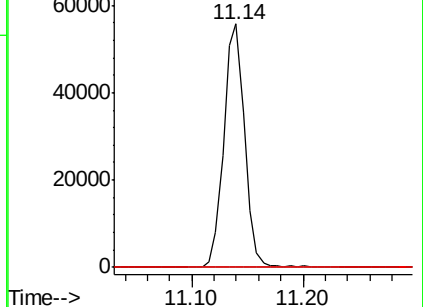
89 0.0 37.1 55.7#



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: 0.733 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005176.D

Acq: 09 Oct 2018 22:57

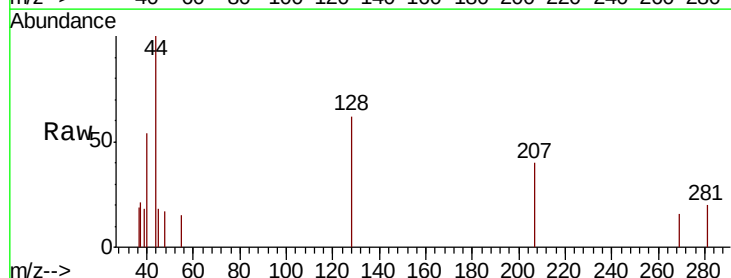
Tgt Ion:128 Resp: 174

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

