

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005044.D
 Acq On : 05 Oct 2018 03:37
 Operator : JC/MD
 Sample : VX1004WBL04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 82 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 05 05:20:22 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

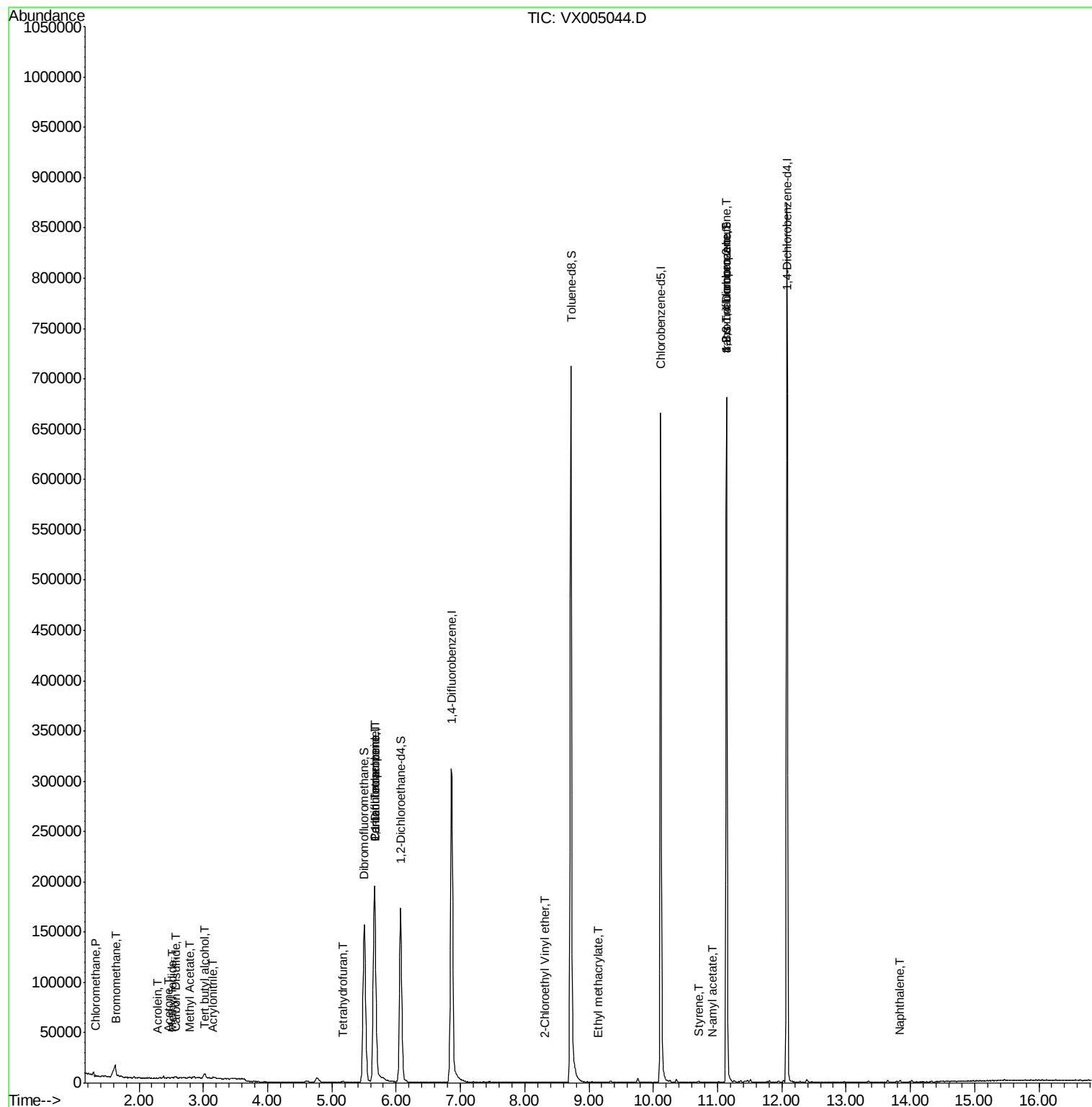
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	215214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	334018	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	325637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182062	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	160250	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
35) Dibromofluoromethane	5.50	113	135967	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
50) Toluene-d8	8.72	98	478678	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	11.14	95	171400	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	718	0.202	ug/l	97
5) Bromomethane	1.64	94	1296	0.655	ug/l	87
6) Chloroethane	1.71	64	157	Below Cal	#	45
10) Methyl Iodide	2.51	142	719	0.228	ug/l #	82
11) Tert butyl alcohol	3.02	59	3019	3.512	ug/l #	75
13) Acrolein	2.29	56	183	0.299	ug/l #	34
15) Acrylonitrile	3.15	53	771	0.407	ug/l #	72
16) Acetone	2.45	43	660	0.368	ug/l #	49
17) Carbon Disulfide	2.57	76	1955	0.279	ug/l #	90
18) Methyl Acetate	2.78	43	1000	0.220	ug/l	96
20) Methylene Chloride	2.85	84	726	Below Cal		90
29) Tetrahydrofuran	5.17	42	769	0.468	ug/l #	69
36) 1,1-Dichloropropene	5.67	75	13930	3.607	ug/l #	47
38) Carbon Tetrachloride	5.67	117	18276	4.501	ug/l #	19
56) Ethyl methacrylate	9.14	69	20	2.866	ug/l #	22
58) 2-Chloroethyl Vinyl ether	8.32	63	134	14.292	ug/l #	49
70) Styrene	10.71	104	340	2.177	ug/l #	89
74) N-amyl acetate	10.91	43	179	1.775	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	84680	20.751	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	585	Below Cal		84
81) trans-1,4-Dichloro-2-buten	11.14	75	84680	56.335	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	990	Below Cal		98
95) Naphthalene	13.83	128	1342	0.807	ug/l #	97

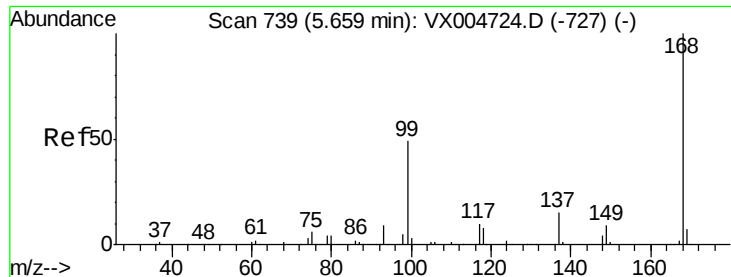
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 05 05:20:22 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: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX005044.D

Acq: 05 Oct 2018 03:37

Instrument :

MSVOA_X

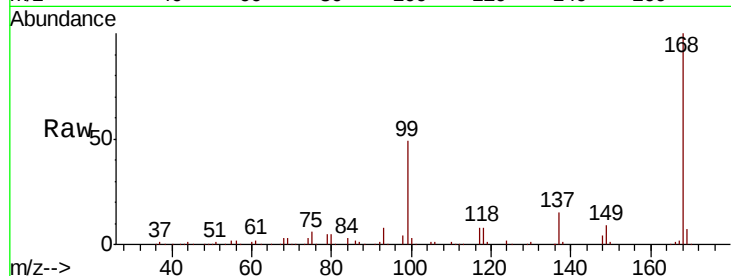
ClientSampleId :

Tot Ion:168 Resp: 215214

Ion Ratio Lower Upper

168 100

99 49.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

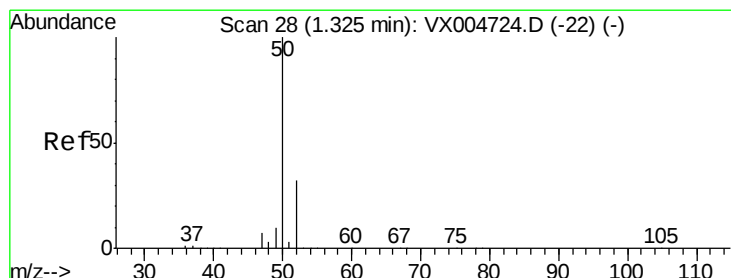
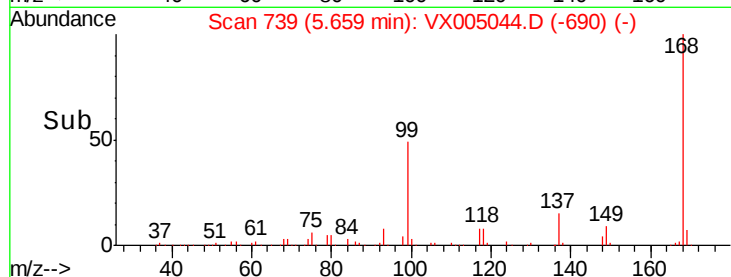
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.202 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005044.D

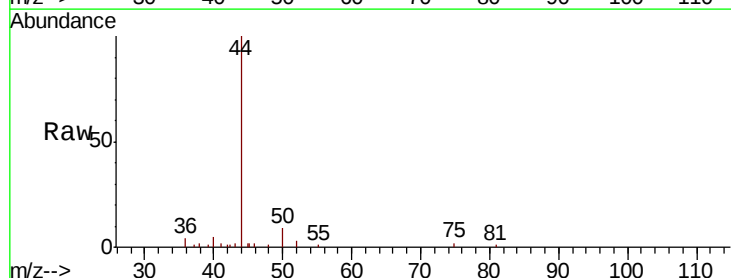
Acq: 05 Oct 2018 03:37

Tgt Ion: 50 Resp: 718

Ion Ratio Lower Upper

50 100

52 33.6 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

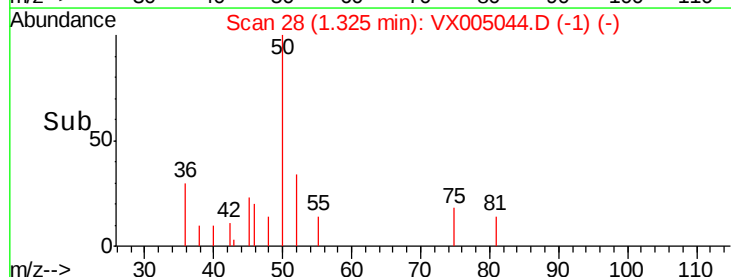
200

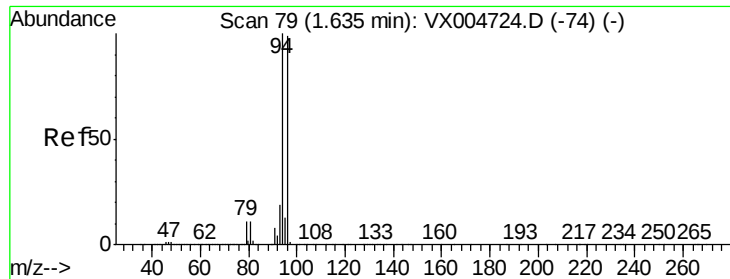
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.655 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005044.D

Acq: 05 Oct 2018 03:37

Instrument :

MSVOA_X

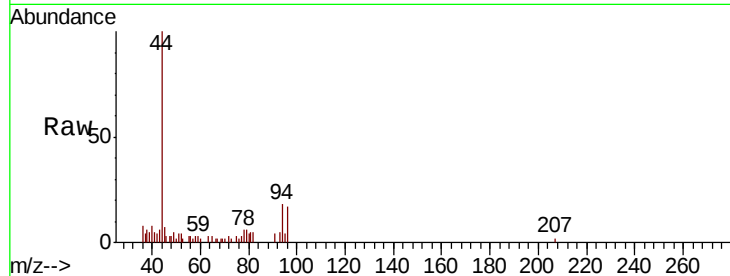
ClientSampleId :

Tot Ion: 94 Resp: 1296

Ion Ratio Lower Upper

94 100

96 86.9 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

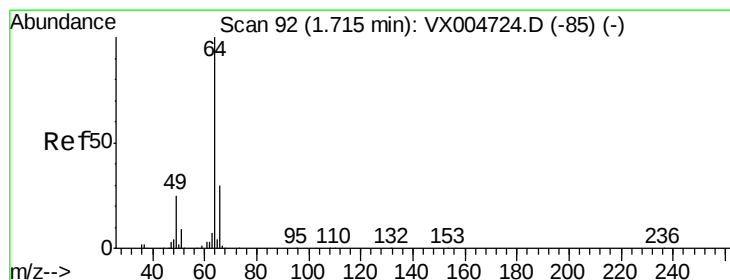
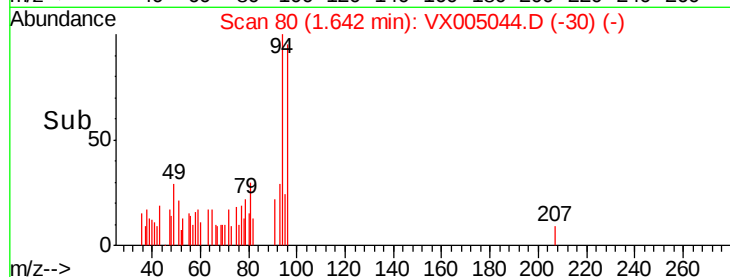
600

400

200

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: VX005044.D

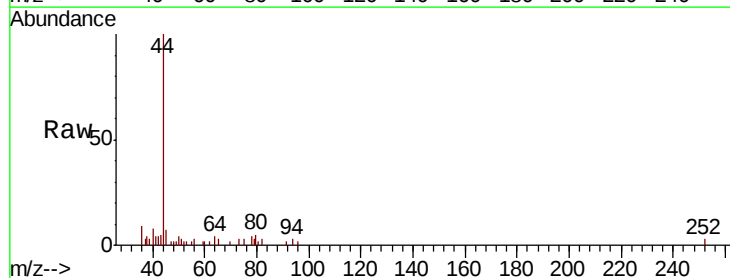
Acq: 05 Oct 2018 03:37

Tgt Ion: 64 Resp: 157

Ion Ratio Lower Upper

64 100

66 0.0 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

120

100

80

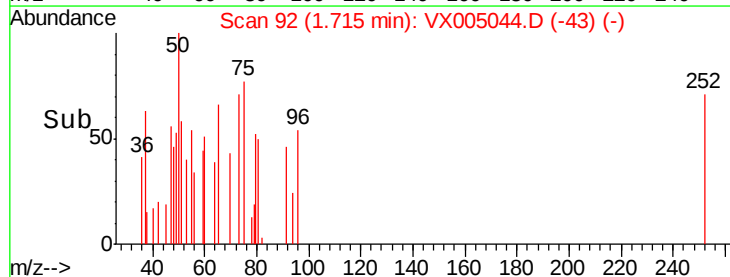
60

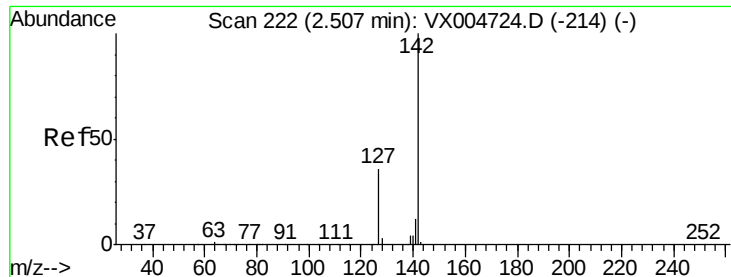
40

20

0

Time--> 1.70 1.75

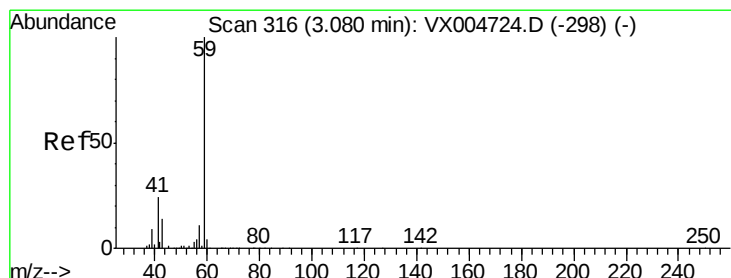
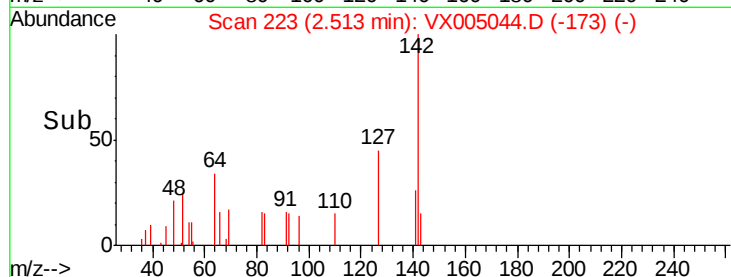
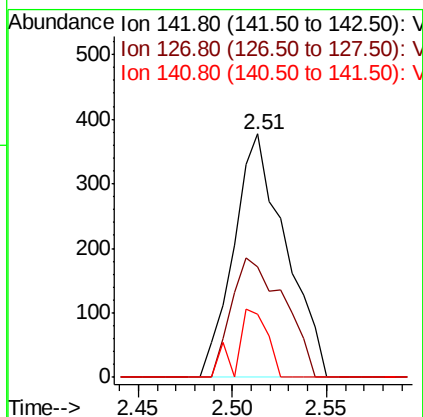
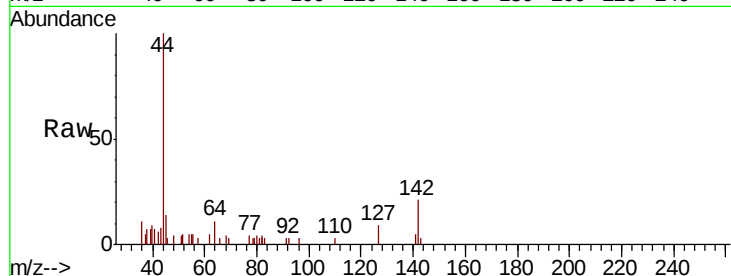




#10
Methvl Iodide
Concen: 0.228 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX005044.D
Acq: 05 Oct 2018 03:37

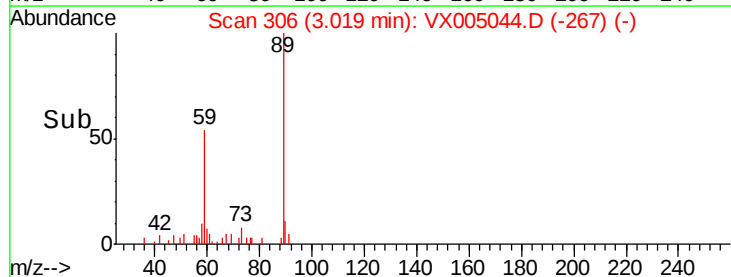
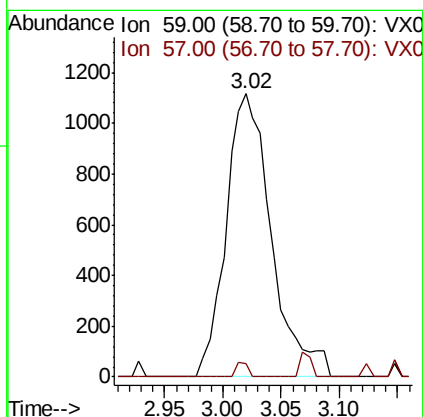
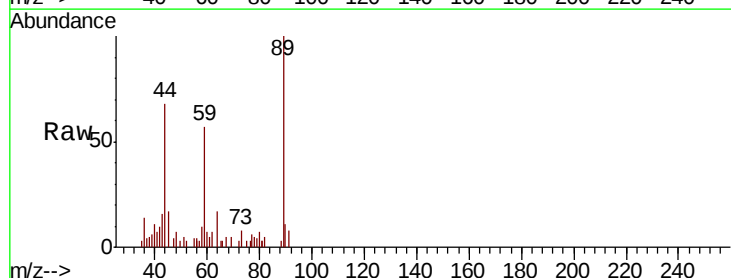
Instrument :
MSVOA_X
ClientSampled :

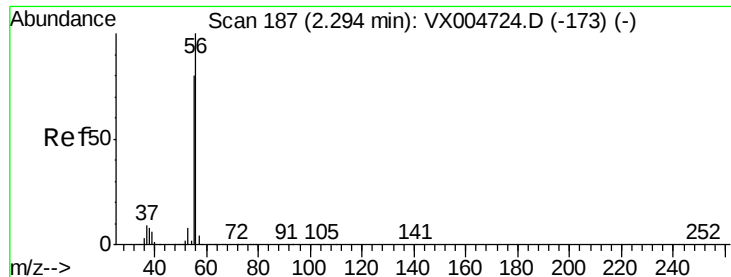
Tot Ion:142 Resp: 719
Ion Ratio Lower Upper
142 100
127 49.8 30.1 45.1#
141 16.4 10.1 15.1#



#11
Tert butyl alcohol
Concen: 3.512 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005044.D
Acq: 05 Oct 2018 03:37

Tgt Ion: 59 Resp: 3019
Ion Ratio Lower Upper
59 100
57 1.4 8.6 12.8#

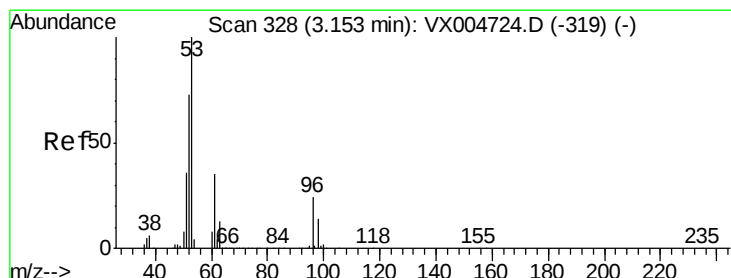
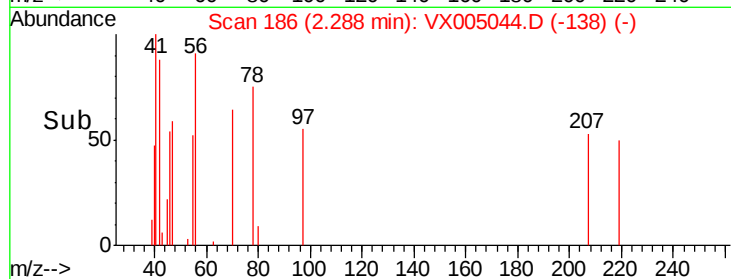
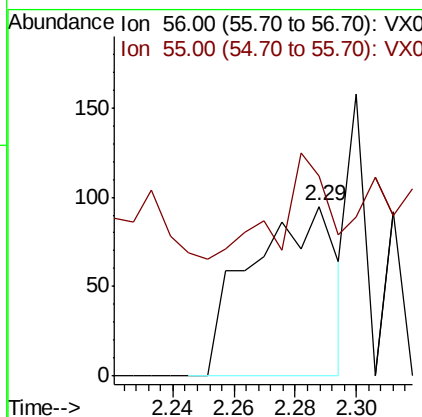
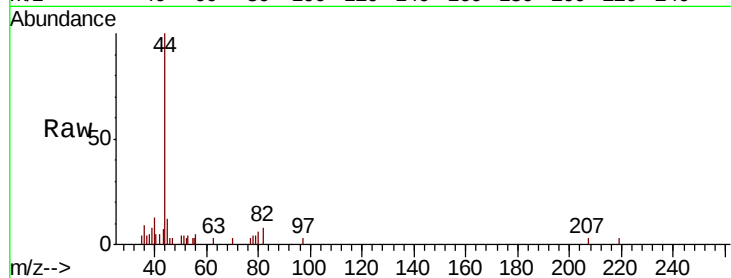




#13
Acrolein
Concen: 0.299 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX005044.D
Acq: 05 Oct 2018 03:37

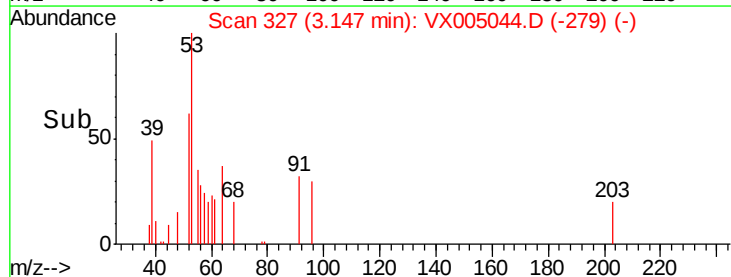
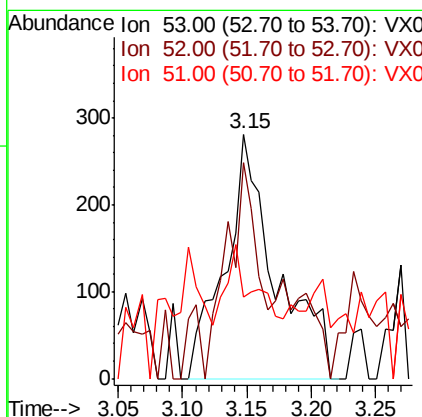
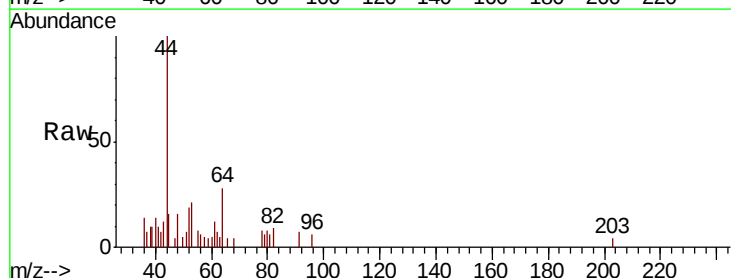
Instrument :
MSVOA_X
ClientSampled :

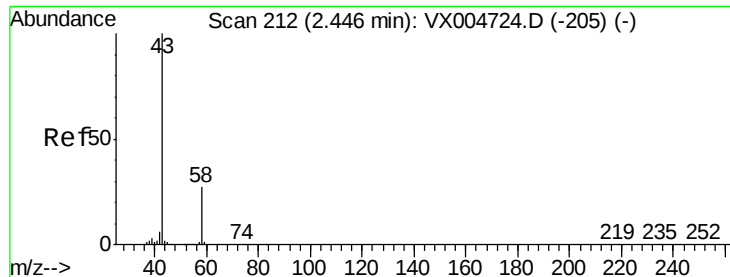
Tot Ion: 56 Resp: 183
Ion Ratio Lower Upper
56 100
55 21.3 63.4 95.2#



#15
Acrylonitrile
Concen: 0.407 ug/l
RT: 3.15 min Scan# 327
Delta R.T. -0.01 min
Lab File: VX005044.D
Acq: 05 Oct 2018 03:37

Tgt Ion: 53 Resp: 771
Ion Ratio Lower Upper
53 100
52 54.0 63.0 94.4#
51 20.0 28.6 42.8#





#16

Acetone

Concen: 0.368 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005044.D

Acq: 05 Oct 2018 03:37

Instrument :

MSVOA_X

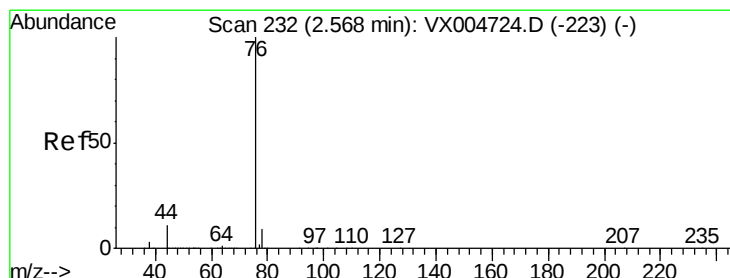
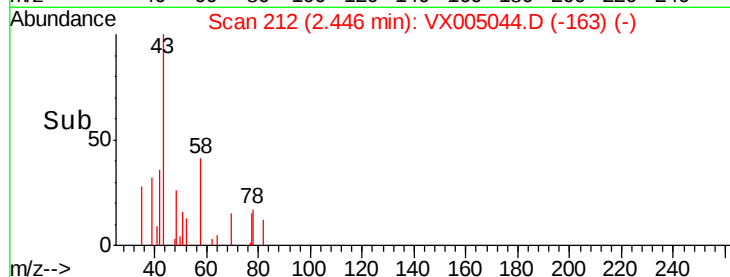
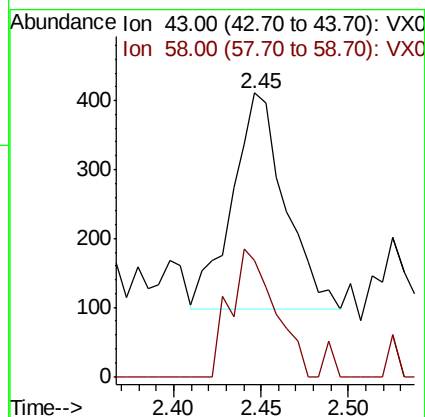
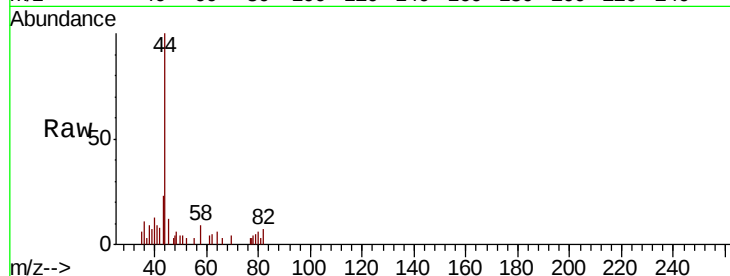
ClientSampleId :

Tot Ion: 43 Resp: 660

Ion Ratio Lower Upper

43 100

58 53.8 21.8 32.6#



#17

Carbon Disulfide

Concen: 0.279 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005044.D

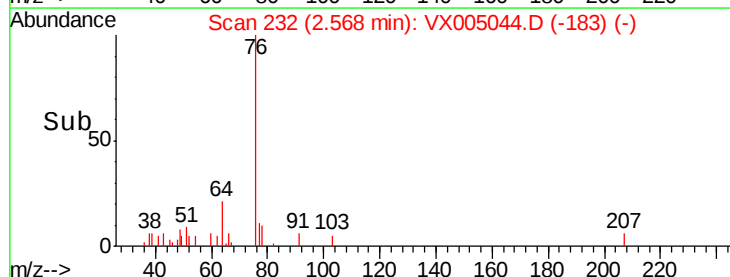
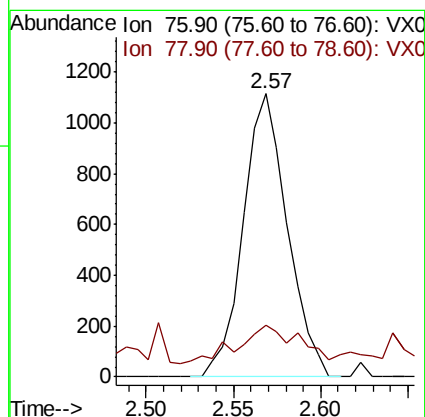
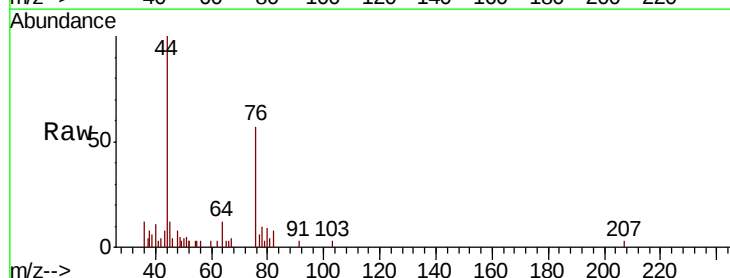
Acq: 05 Oct 2018 03:37

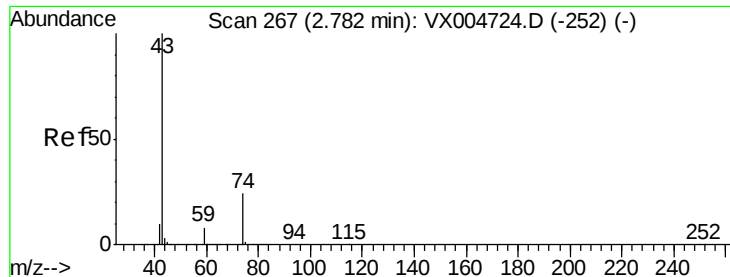
Tgt Ion: 76 Resp: 1955

Ion Ratio Lower Upper

76 100

78 12.3 7.0 10.6#

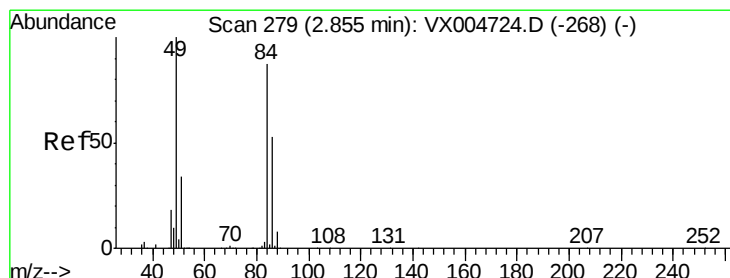
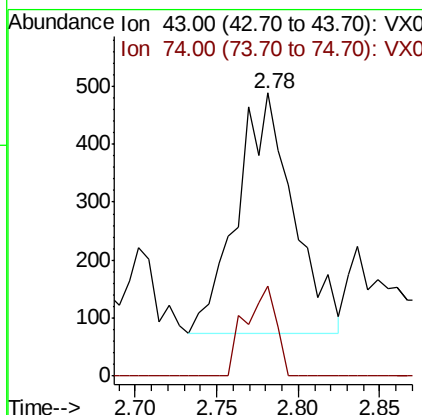
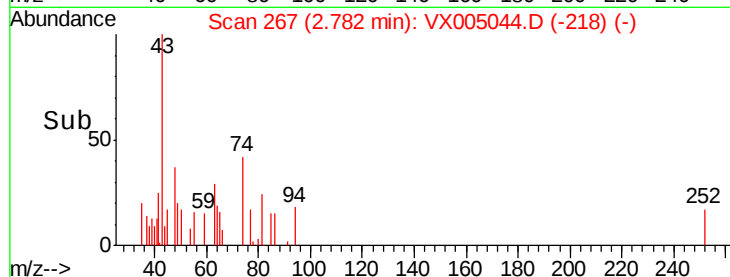
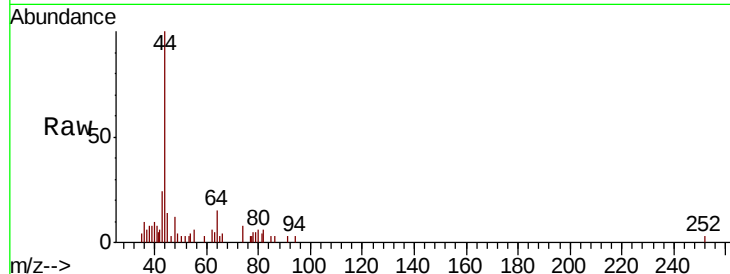




#18
Methyl Acetate
Concen: 0.220 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005044.D
Acq: 05 Oct 2018 03:37

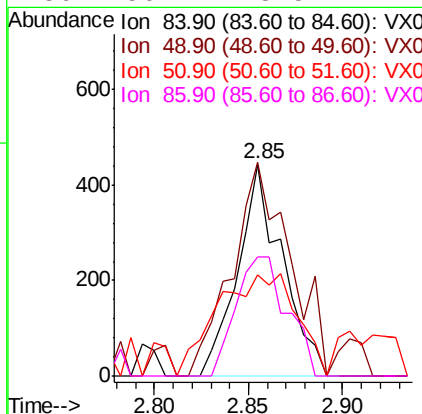
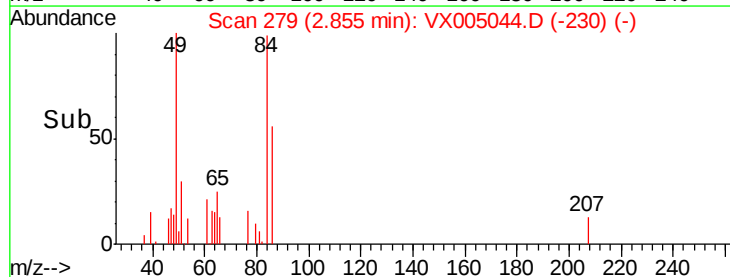
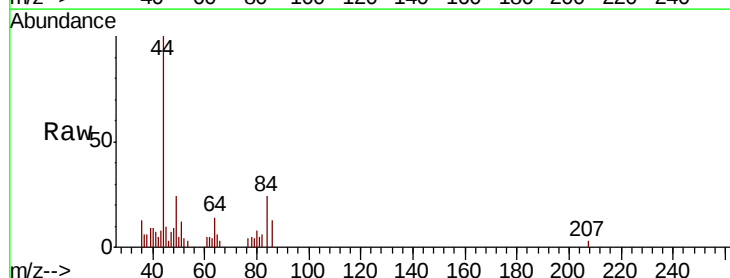
Instrument :
MSVOA_X
ClientSampled :

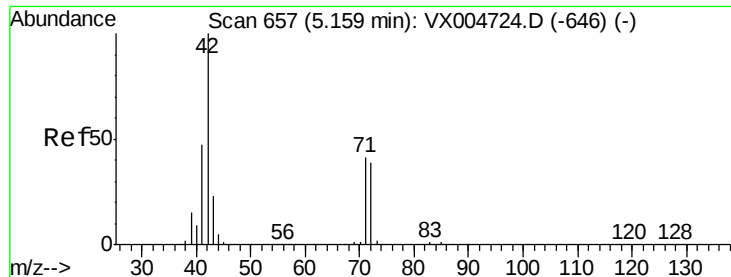
Tot Ion: 43 Resp: 1000
Ion Ratio Lower Upper
43 100
74 20.5 17.8 26.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005044.D
Acq: 05 Oct 2018 03:37

Tgt Ion: 84 Resp: 726
Ion Ratio Lower Upper
84 100
49 100.9 92.3 138.5
51 35.2 31.8 47.6
86 56.2 48.5 72.7





#29

Tetrahydrofuran

Concen: 0.468 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005044.D

Acq: 05 Oct 2018 03:37

Instrument :

MSVOA_X

ClientSampleId :

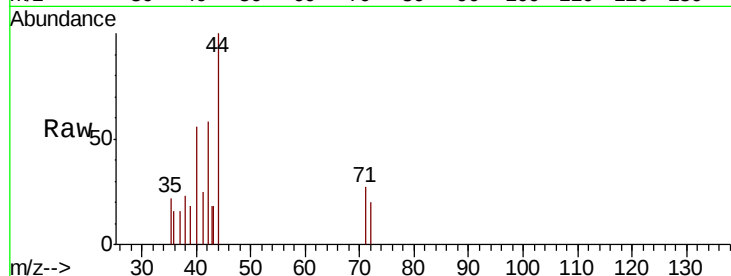
Tot Ion: 42 Resp: 769

Ion Ratio Lower Upper

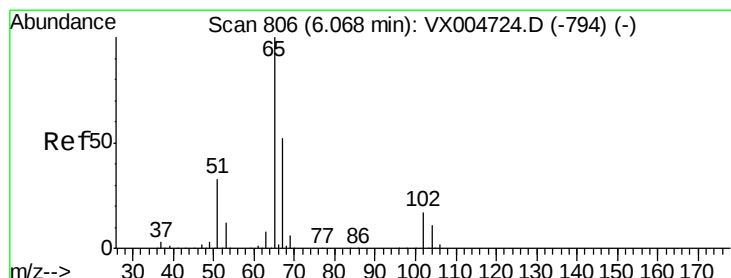
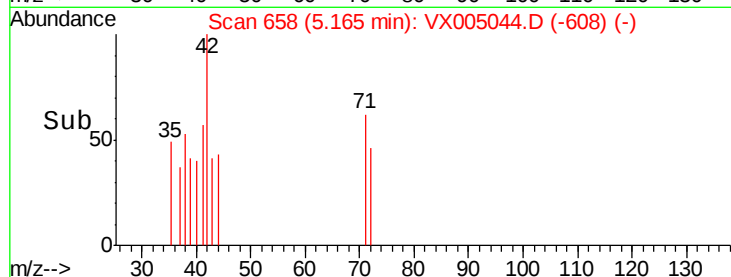
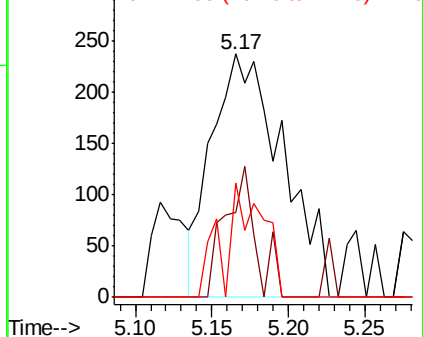
42 100

72 23.4 33.7 50.5#

71 19.9 32.2 48.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.125 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX005044.D

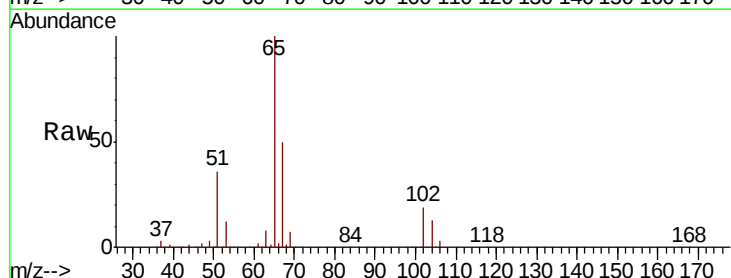
Acq: 05 Oct 2018 03:37

Tgt Ion: 65 Resp: 160250

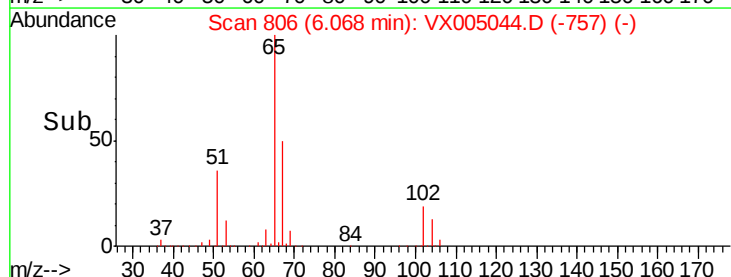
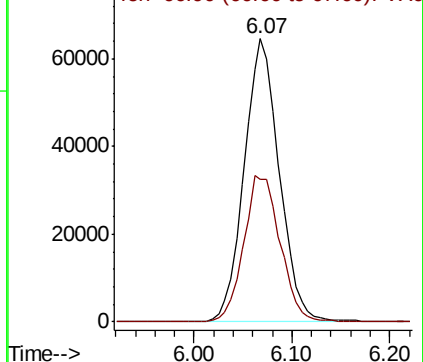
Ion Ratio Lower Upper

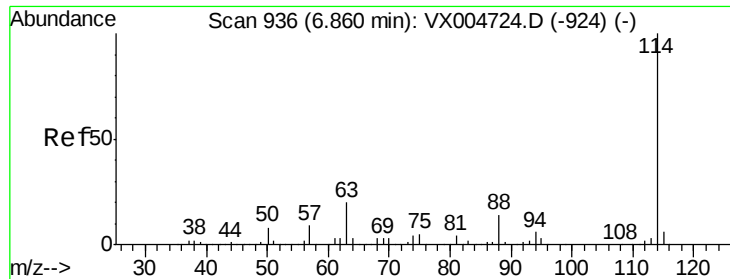
65 100

67 53.9 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

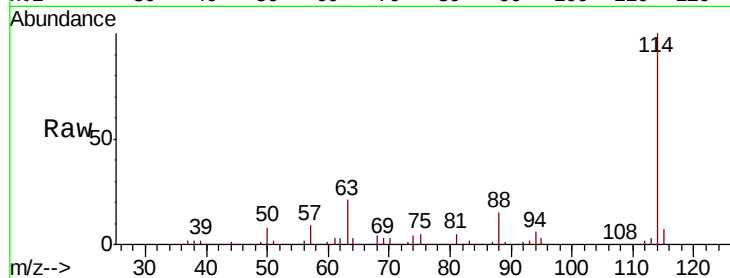




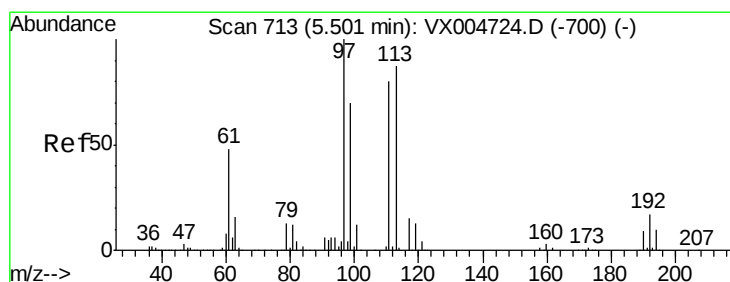
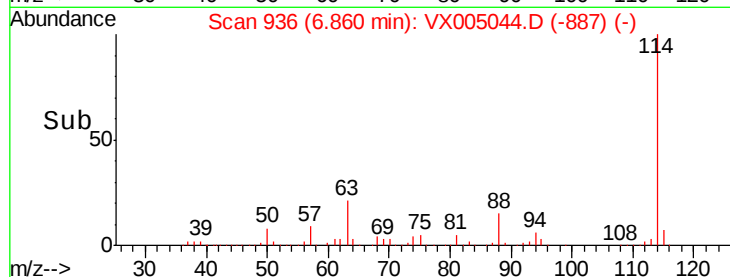
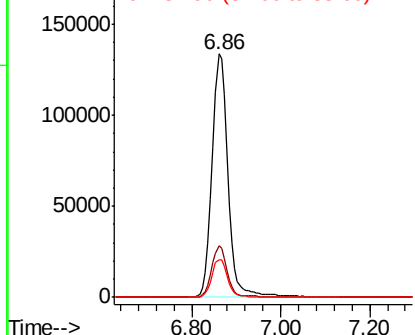
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005044.D
 Acq: 05 Oct 2018 03:37

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 334018
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 39.8
 88 15.3 0.0 27.0

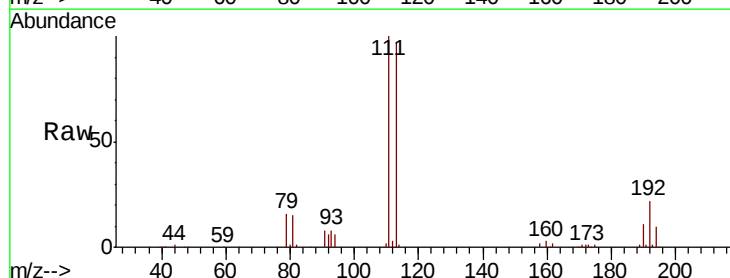


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

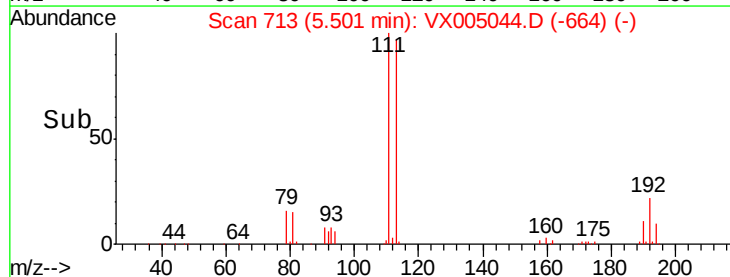
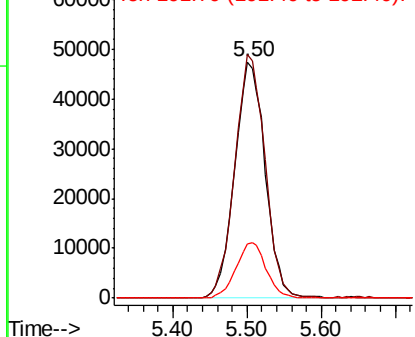


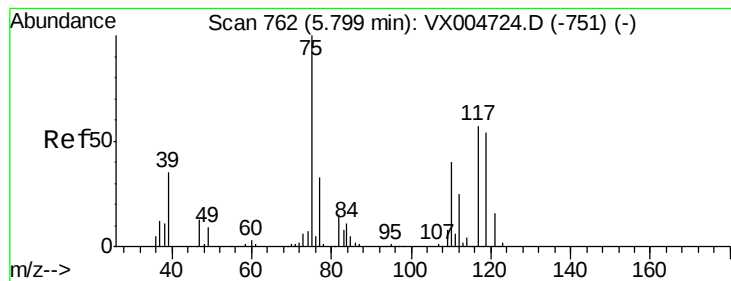
#35
 Dibromofluoromethane
 Concen: 48.030 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005044.D
 Acq: 05 Oct 2018 03:37

Tgt Ion:113 Resp: 135967
 Ion Ratio Lower Upper
 113 100
 111 102.3 77.0 115.4
 192 23.2 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: 3.607 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005044.D

Acq: 05 Oct 2018 03:37

Instrument :

MSVOA_X

ClientSampleId :

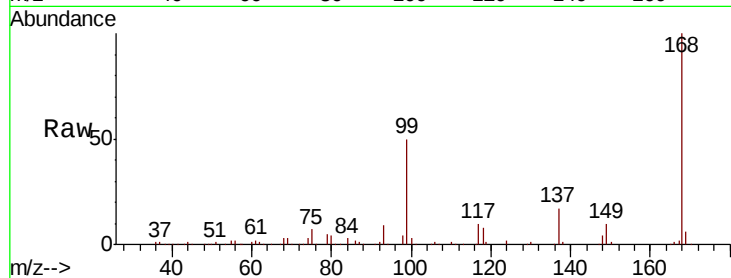
Tot Ion: 75 Resp: 13930

Ion Ratio Lower Upper

75 100

110 10.3 20.0 59.9#

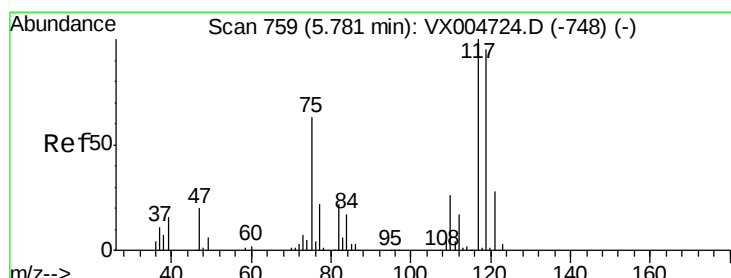
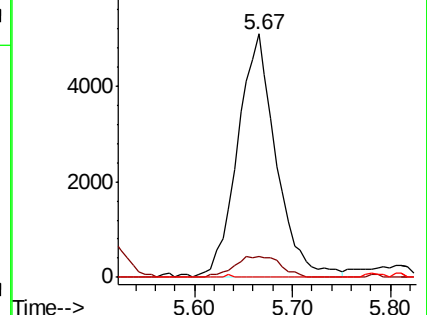
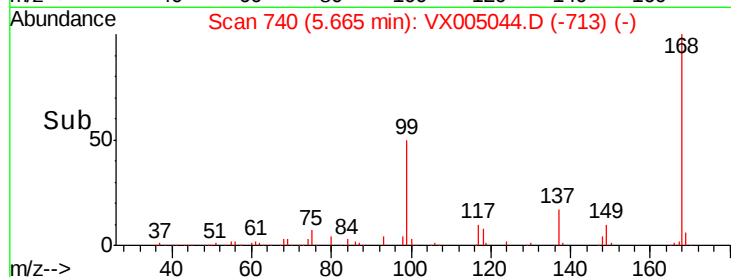
77 0.0 27.1 40.7#



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: 4.501 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005044.D

Acq: 05 Oct 2018 03:37

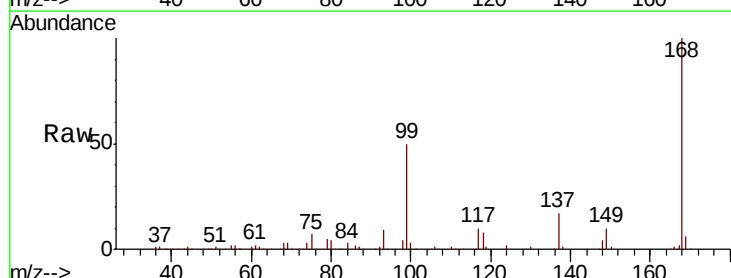
Tgt Ion: 117 Resp: 18276

Ion Ratio Lower Upper

117 100

119 8.3 75.2 112.8#

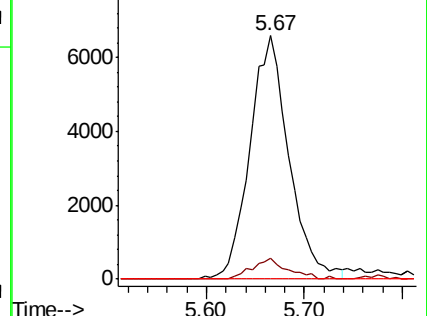
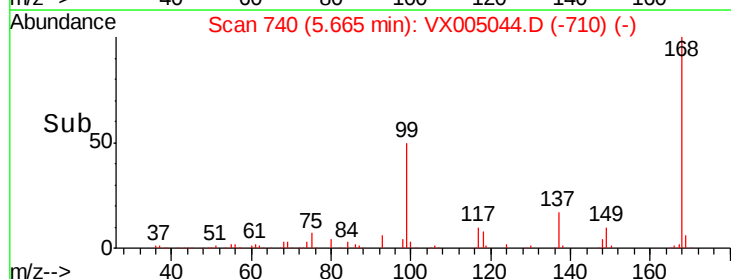
121 0.0 22.5 33.7#

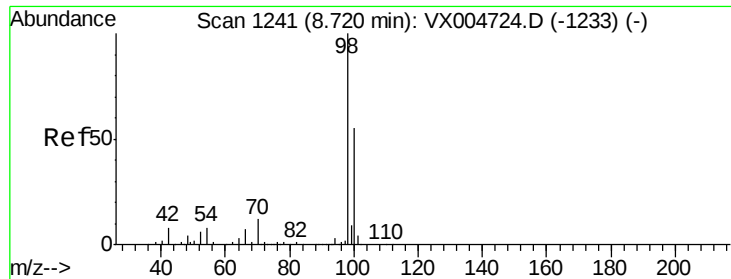


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

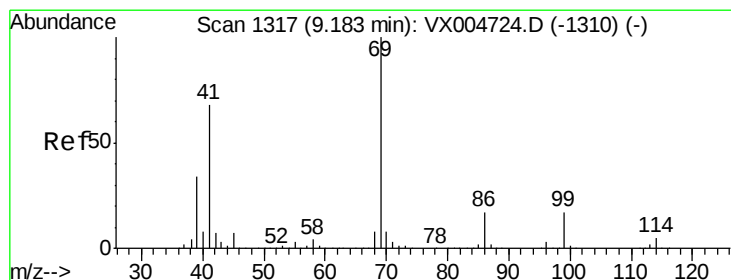
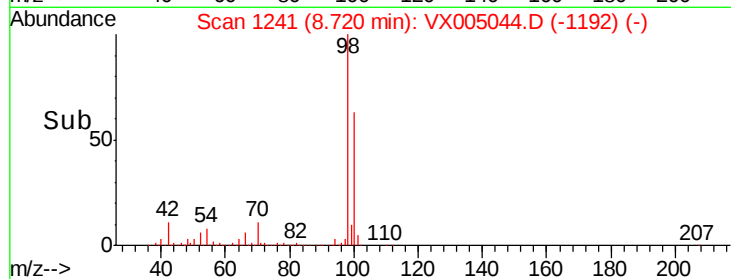
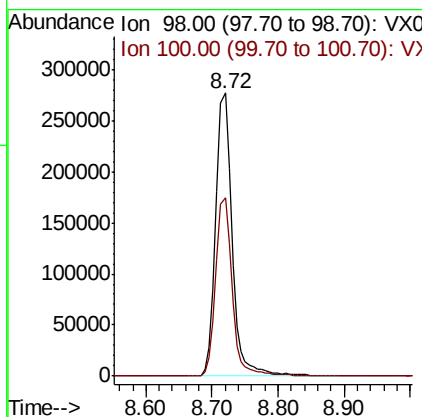
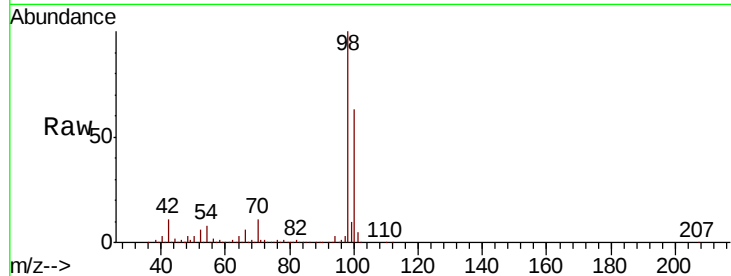




#50
Toluene-d8
Concen: 50.863 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005044.D
Acq: 05 Oct 2018 03:37

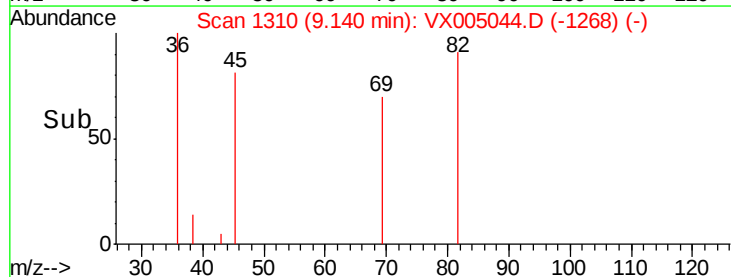
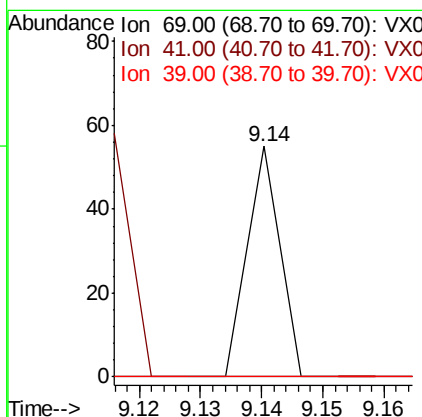
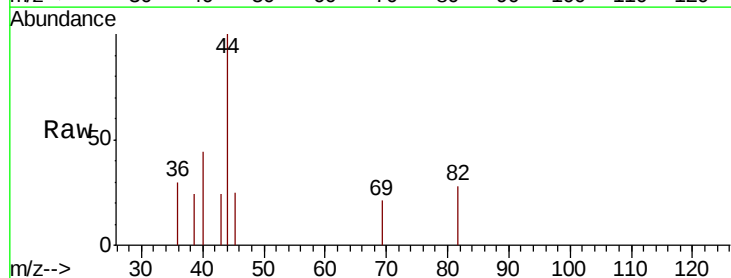
Instrument :
MSVOA_X
ClientSampled :

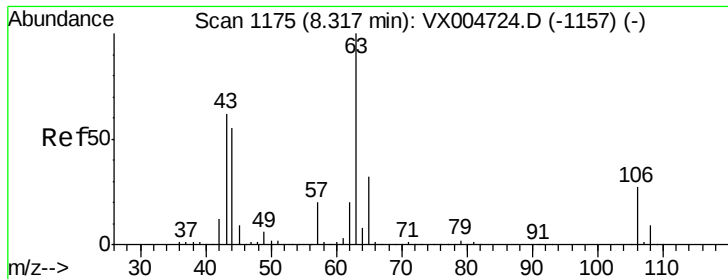
Tot Ion: 98 Resp: 478678
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9



#56
Ethyl methacrylate
Concen: 2.866 ug/l
RT: 9.14 min Scan# 1310
Delta R.T. -0.04 min
Lab File: VX005044.D
Acq: 05 Oct 2018 03:37

Tgt Ion: 69 Resp: 20
Ion Ratio Lower Upper
69 100
41 0.0 56.9 85.3#
39 0.0 28.4 42.6#

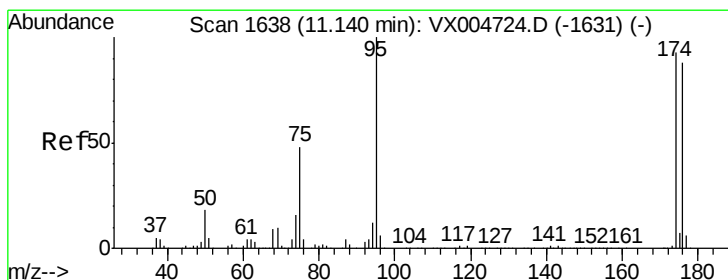
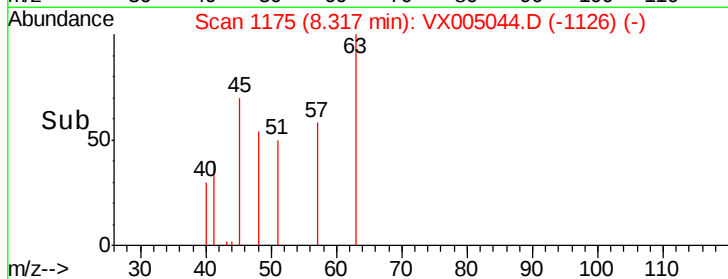
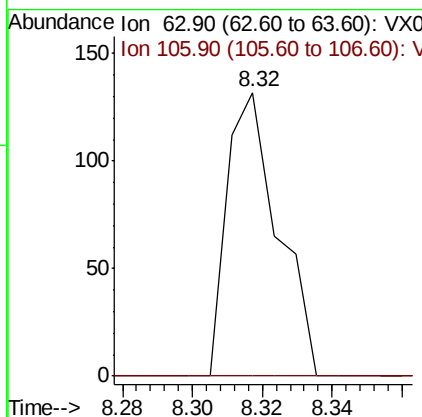
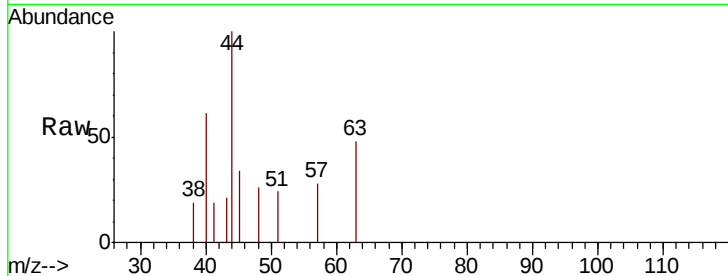




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.292 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX005044.D
 Acq: 05 Oct 2018 03:37

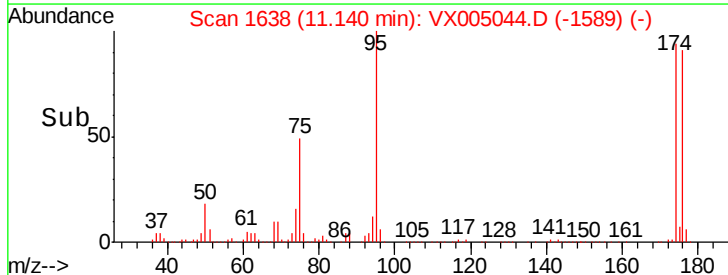
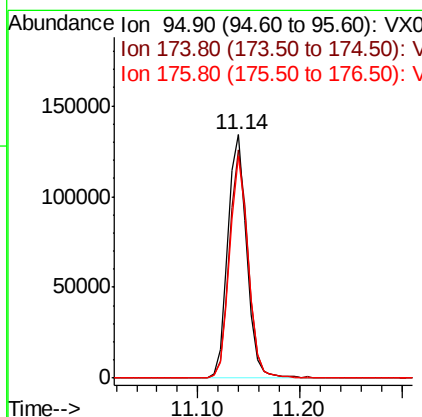
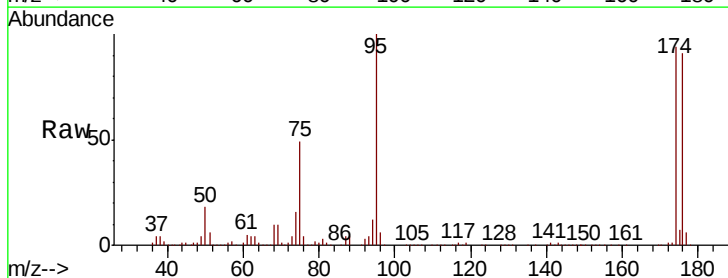
Instrument :
 MSVOA_X
 ClientSampled :

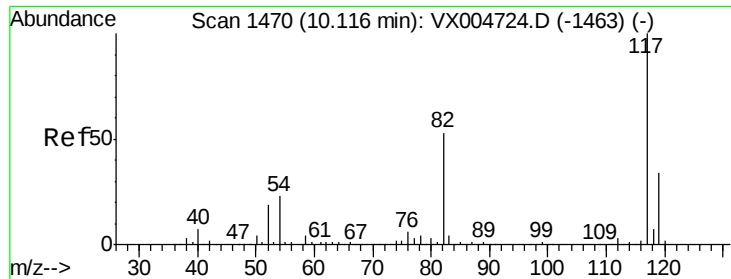
Tot Ion: 63 Resp: 134
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.0 31.6#



#62
 4-Bromofluorobenzene
 Concen: 50.554 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX005044.D
 Acq: 05 Oct 2018 03:37

Tgt Ion: 95 Resp: 171400
 Ion Ratio Lower Upper
 95 100
 174 92.6 0.0 185.0
 176 89.1 0.0 180.2

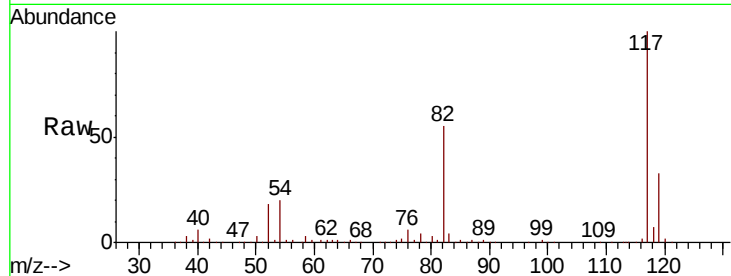




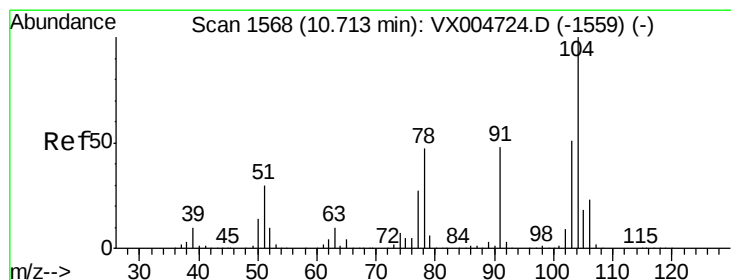
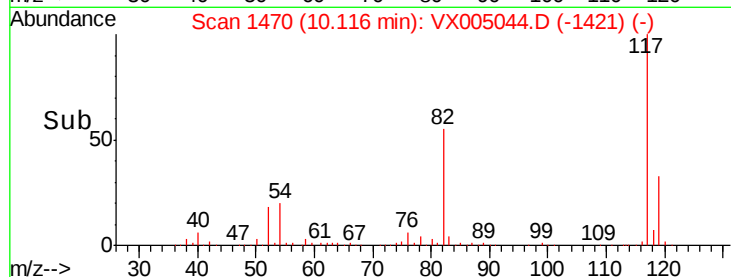
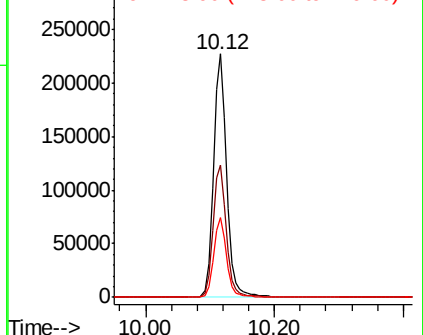
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005044.D
Acq: 05 Oct 2018 03:37

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 325637
Ion Ratio Lower Upper
117 100
82 54.6 42.2 63.4
119 32.6 27.4 41.0

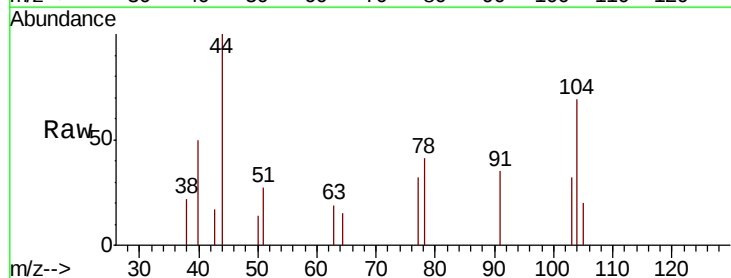


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

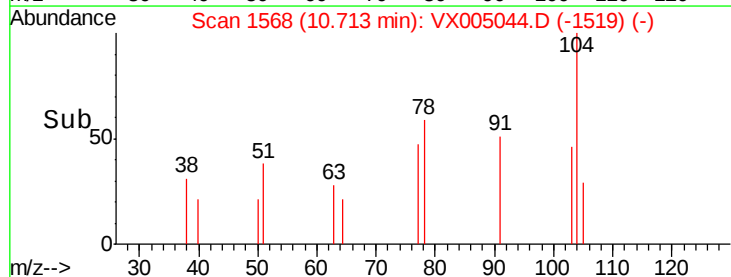
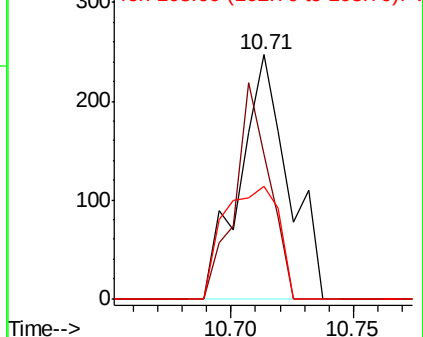


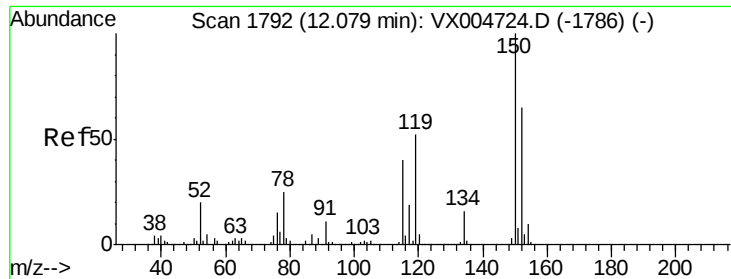
#70
Styrene
Concen: 2.177 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005044.D
Acq: 05 Oct 2018 03:37

Tgt Ion:104 Resp: 340
Ion Ratio Lower Upper
104 100
78 62.1 40.0 60.0#
103 52.4 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



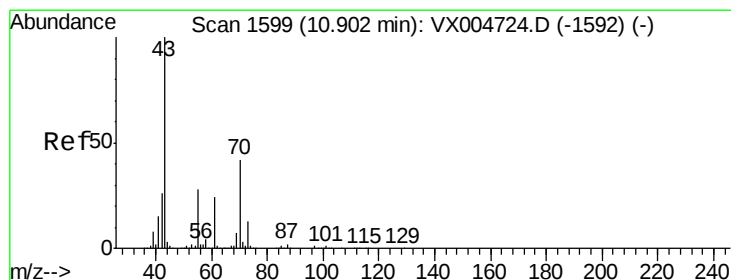
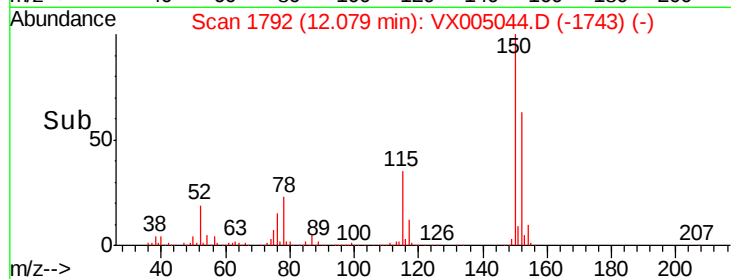
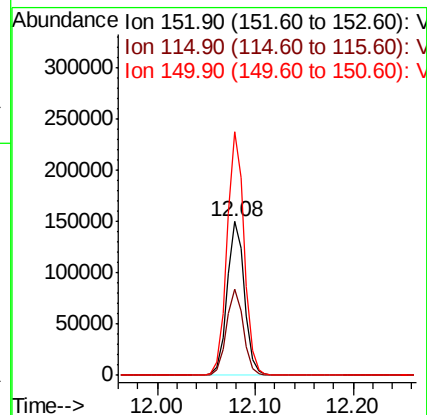
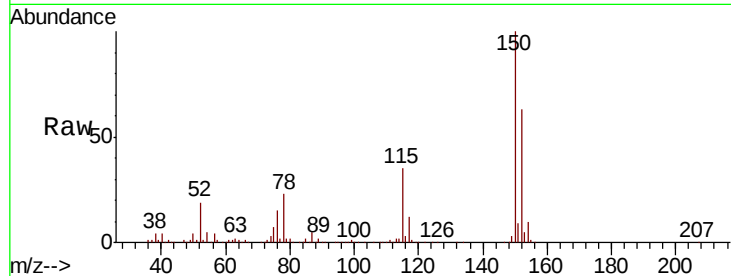


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005044.D
Acq: 05 Oct 2018 03:37

Instrument :
MSVOA_X
ClientSampled :

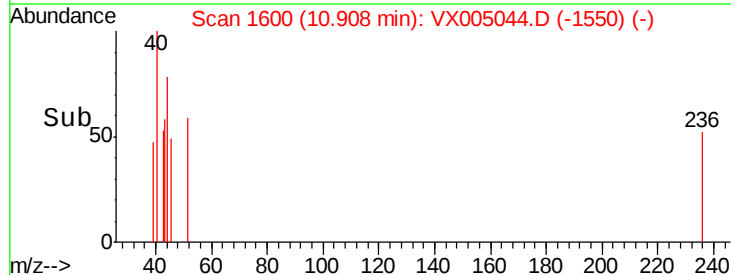
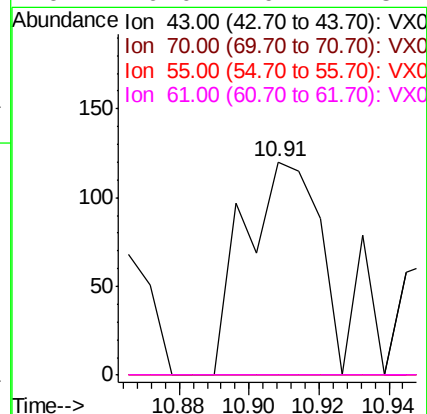
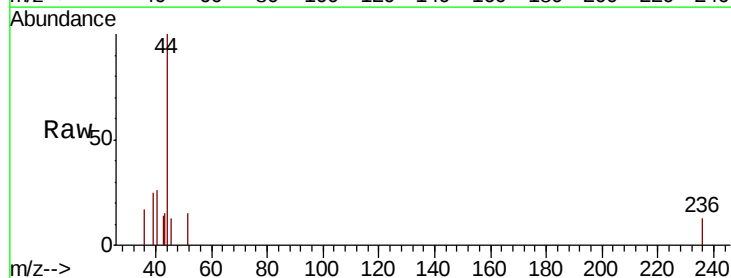
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.5	40.2	120.6
150	157.4	0.0	351.0

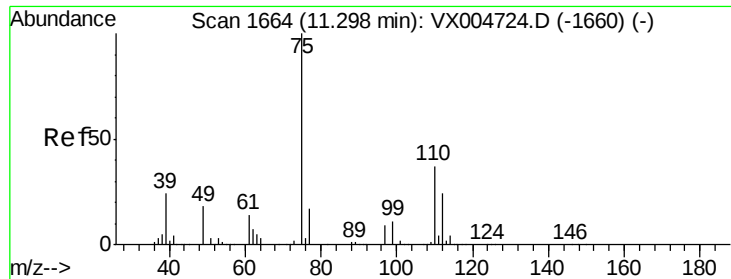


#74

N-ethyl acetate
Concen: 1.775 ug/l
RT: 10.91 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VX005044.D
Acq: 05 Oct 2018 03:37

Tgt 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#





#76

1,2,3-Trichloropropane

Concen: 20.751 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005044.D

Acq: 05 Oct 2018 03:37

Instrument :

MSVOA_X

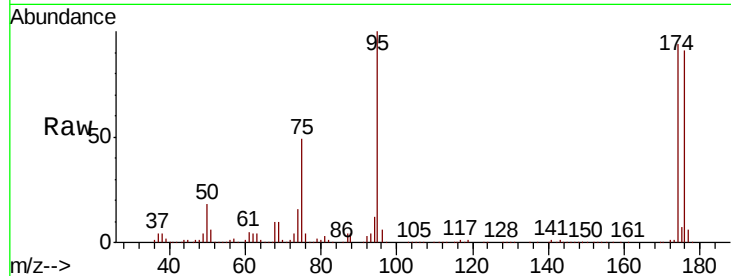
ClientSampleId :

Tot Ion: 75 Resp: 84680

Ion Ratio Lower Upper

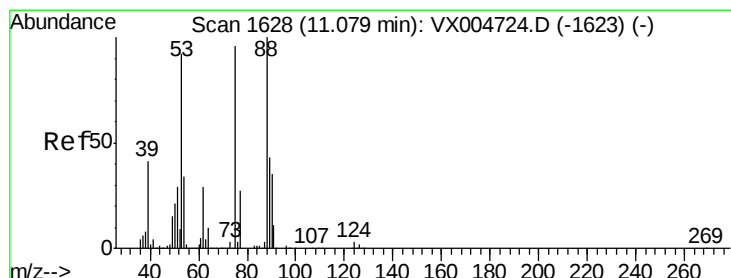
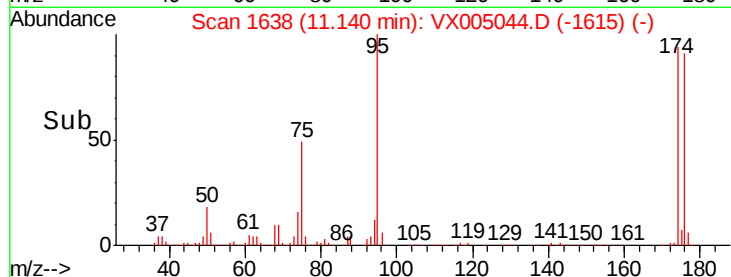
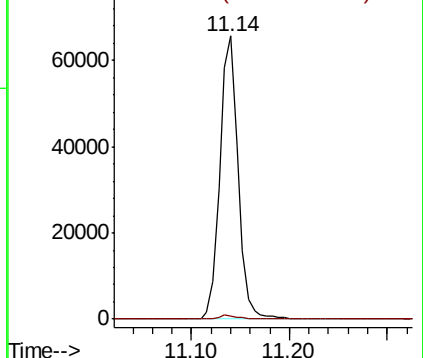
75 100

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: 56.335 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005044.D

Acq: 05 Oct 2018 03:37

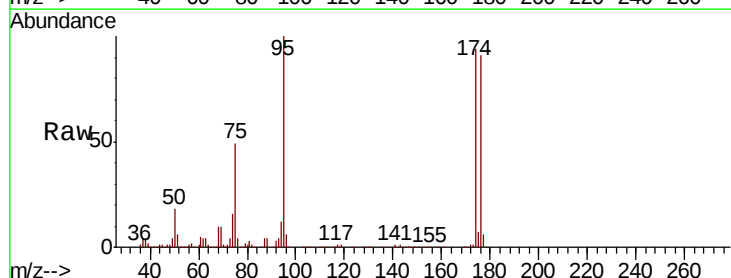
Tgt Ion: 75 Resp: 84680

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.4#

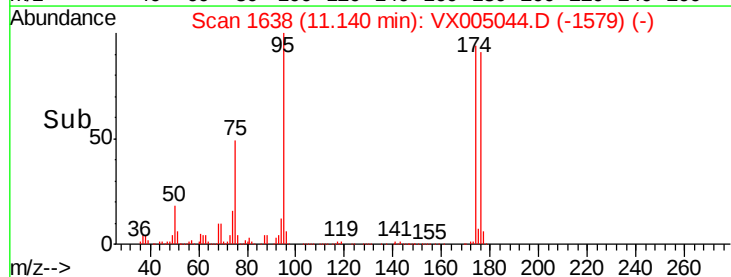
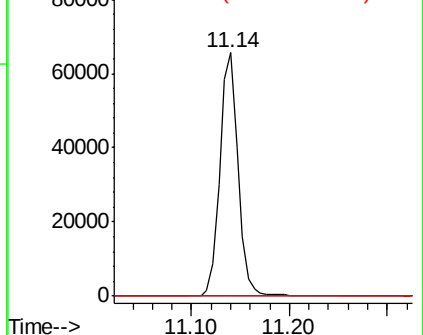
89 0.0 37.1 55.7#

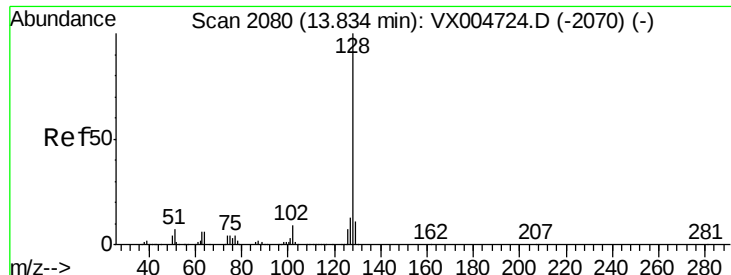


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 0.807 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

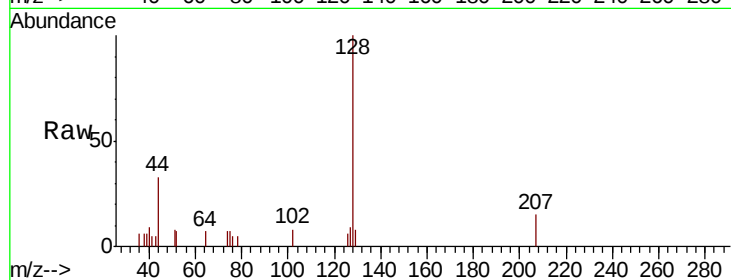
Lab File: VX005044.D

Acq: 05 Oct 2018 03:37

Instrument :

MSVOA_X

ClientSampleId :



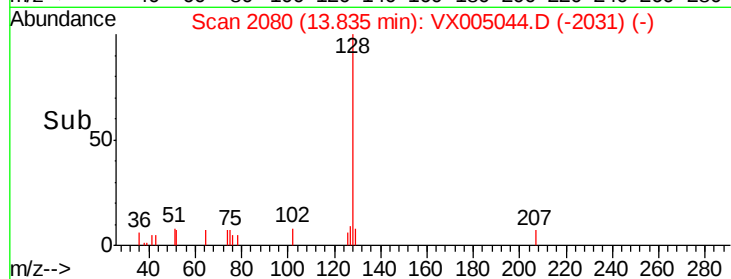
Tot Ion:128 Resp: 1342

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

129 8.7 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

