

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101118\
 Data File : VX005260.D
 Acq On : 11 Oct 2018 18:12
 Operator : JC/MD
 Sample : J5317-12DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-DUP04-20181004DL

Quant Time: Oct 12 07:10:13 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	166873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	256988	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	256411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	144248	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	127805	53.61	ug/l	0.00
Spiked Amount			Recovery	=	107.22%	
35) Dibromofluoromethane	5.51	113	120229	55.20	ug/l	0.00
Spiked Amount			Recovery	=	110.40%	
50) Toluene-d8	8.72	98	374711	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
62) 4-Bromofluorobenzene	11.14	95	133044	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	

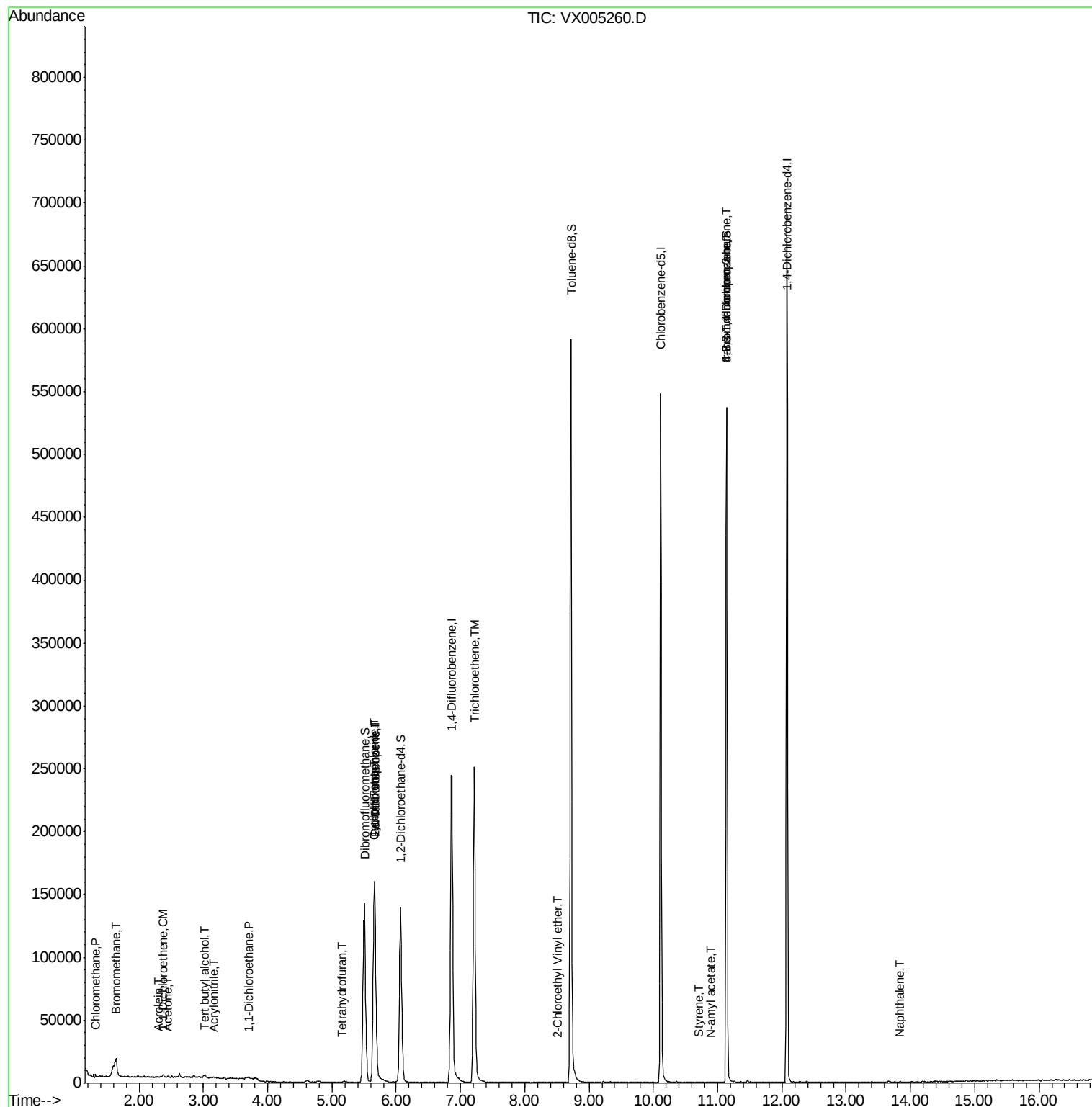
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	583	0.211	ug/l	93
5) Bromomethane	1.64	94	1200	0.782	ug/l #	56
6) Chloroethane	1.67	64	148	Below Cal	#	45
11) Tert butyl alcohol	3.03	59	1573	2.360	ug/l #	88
12) 1,1-Dichloroethene	2.38	96	414	0.229	ug/l #	42
13) Acrolein	2.29	56	110	0.232	ug/l	83
15) Acrylonitrile	3.15	53	353	0.241	ug/l #	75
16) Acetone	2.45	43	850	0.611	ug/l #	70
20) Methylene Chloride	2.85	84	439	Below Cal	#	92
24) 1,1-Dichloroethane	3.70	63	1266	0.319	ug/l #	73
29) Tetrahydrofuran	5.16	42	455	0.357	ug/l #	46
31) Cyclohexane	5.65	56	3353	1.105	ug/l #	3
36) 1,1-Dichloropropene	5.67	75	12030	4.048	ug/l #	46
38) Carbon Tetrachloride	5.65	117	15935	5.101	ug/l #	17
44) Trichloroethene	7.21	130	101711	44.473	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.51	63	40	14.262	ug/l #	49
70) Styrene	10.71	104	114	2.156	ug/l #	44
74) N-amyl acetate	10.90	43	43	1.756	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	66544	20.582	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	176	Below Cal	#	29
81) trans-1,4-Dichloro-2-buten	11.14	75	66544	55.891	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	251	Below Cal		76
95) Naphthalene	13.83	128	350	0.748	ug/l #	69

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

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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: VX005260.D

Acq: 11 Oct 2018 18:12

Instrument :

MSVOA_X

ClientSampleId :

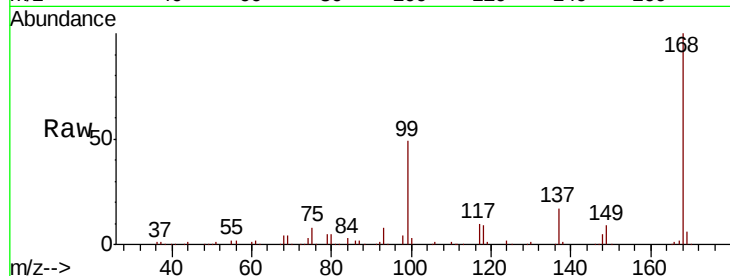
TT-DUP04-20181004DL

Tot Ion:168 Resp: 166873

Ion Ratio Lower Upper

168 100

99 49.3 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

50000

40000

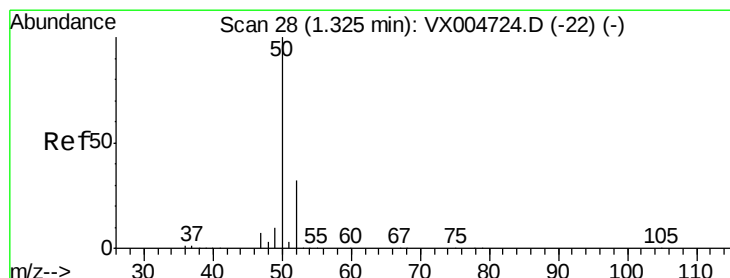
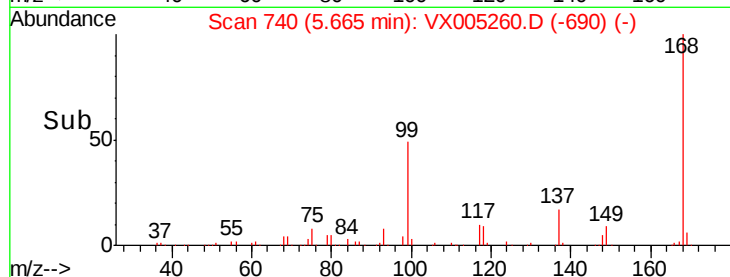
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.211 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX005260.D

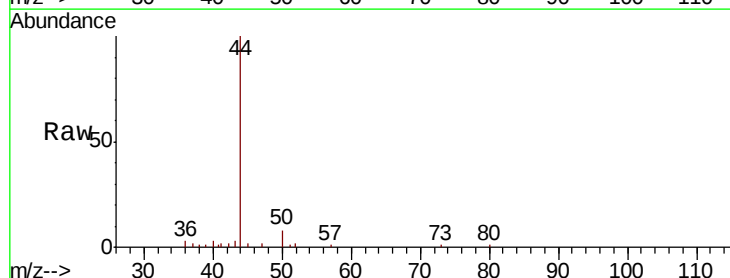
Acq: 11 Oct 2018 18:12

Tgt Ion: 50 Resp: 583

Ion Ratio Lower Upper

50 100

52 28.5 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

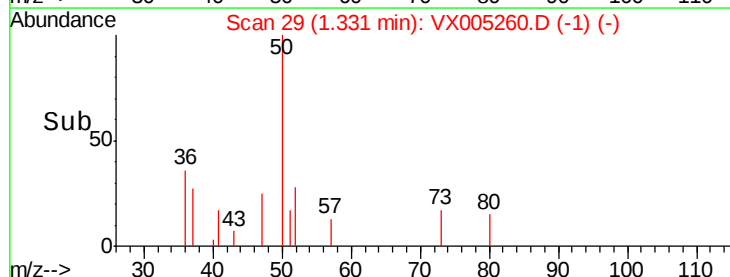
300

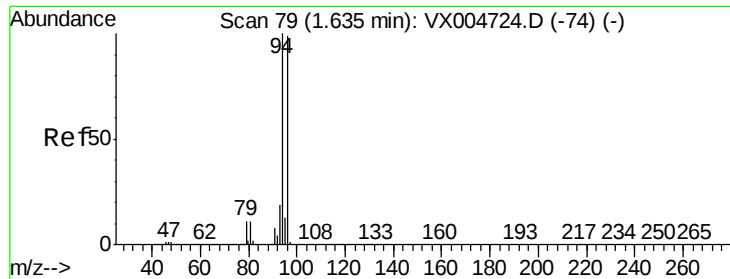
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.782 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005260.D

Acq: 11 Oct 2018 18:12

Instrument :

MSVOA_X

ClientSampleId :

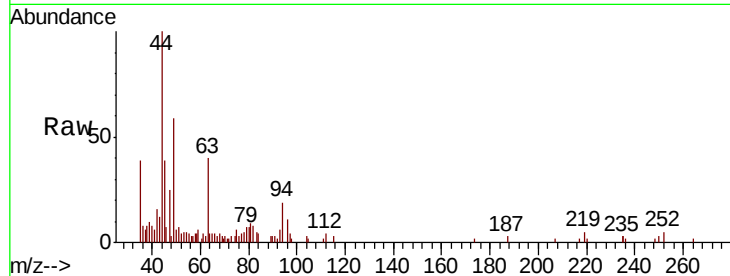
TT-DUP04-20181004DL

Tot Ion: 94 Resp: 1200

Ion Ratio Lower Upper

94 100

96 56.0 79.5 119.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

600

500

400

300

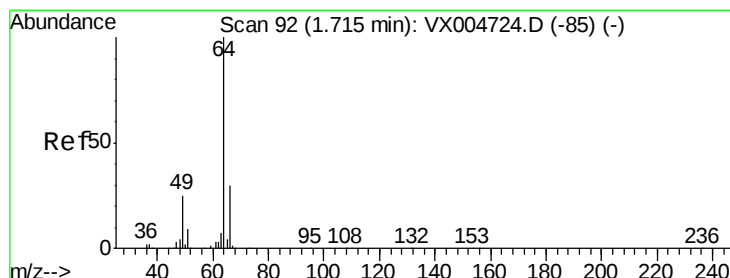
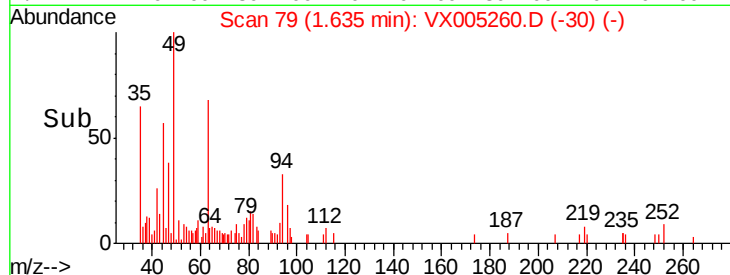
200

100

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 85

Delta R.T. -0.04 min

Lab File: VX005260.D

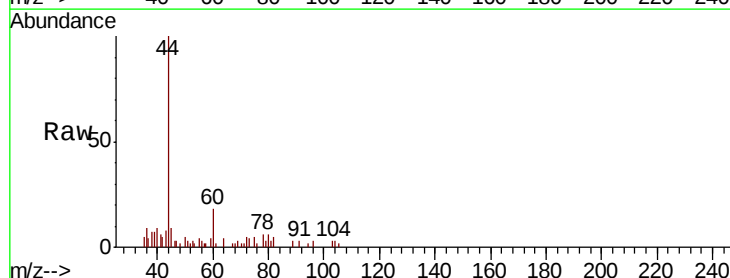
Acq: 11 Oct 2018 18:12

Tgt Ion: 64 Resp: 148

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

200

150

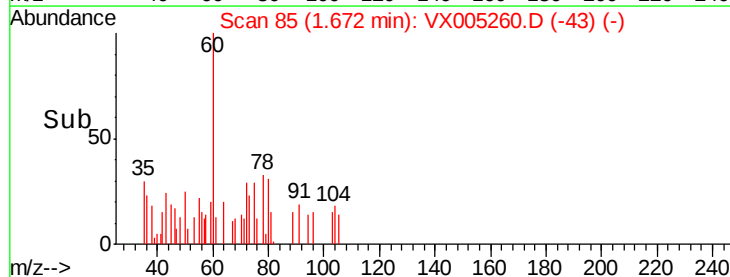
100

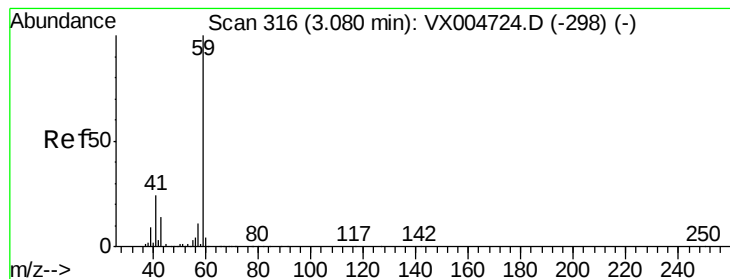
50

0

1.66 1.68 1.70 1.72

Time-->



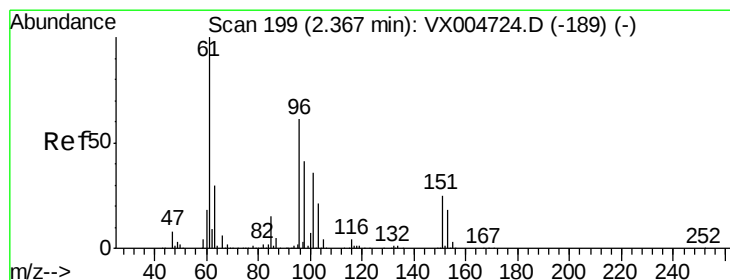
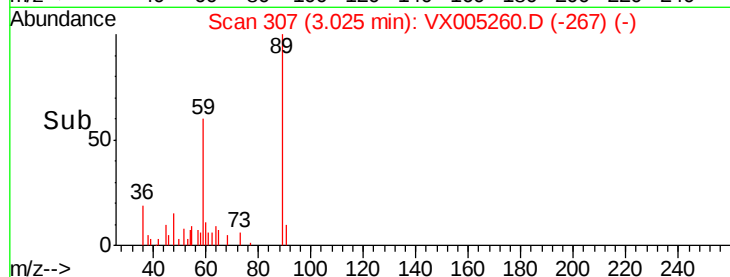
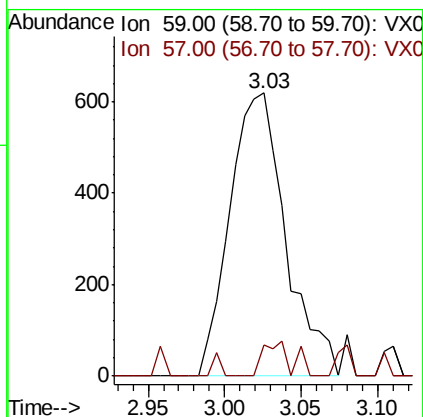
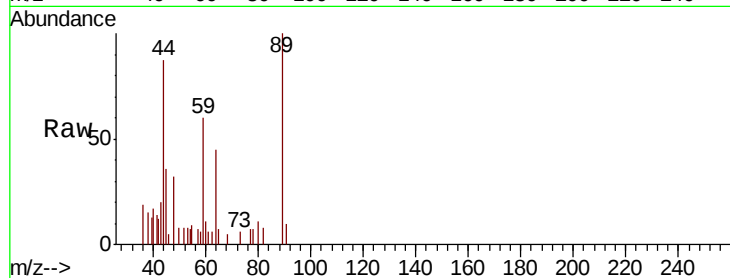


#11

Tert butyl alcohol
Concen: 2.360 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX005260.D
Acq: 11 Oct 2018 18:12

Instrument :
MSVOA_X
ClientSampleId :
TT-DUP04-20181004DL

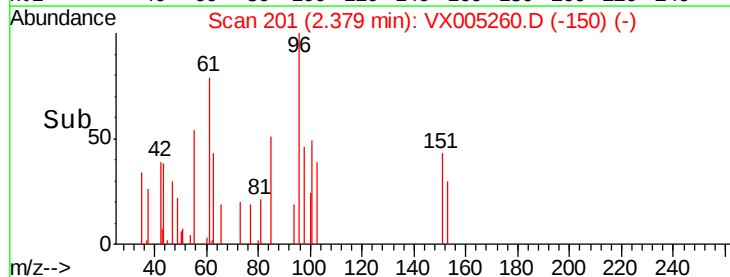
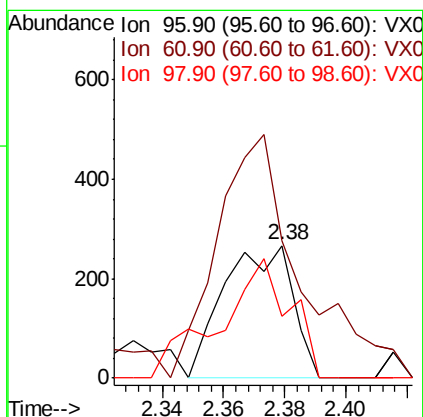
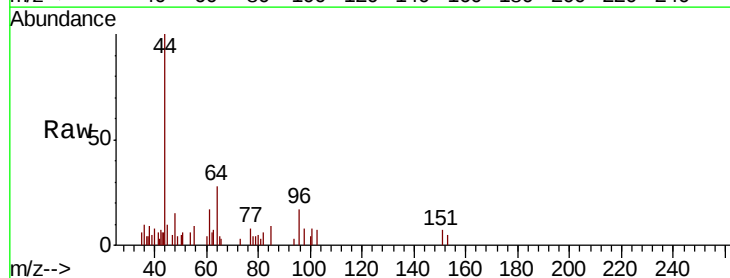
Tot Ion: 59 Resp: 1573
Ion Ratio Lower Upper
59 100
57 6.3 8.6 12.8#

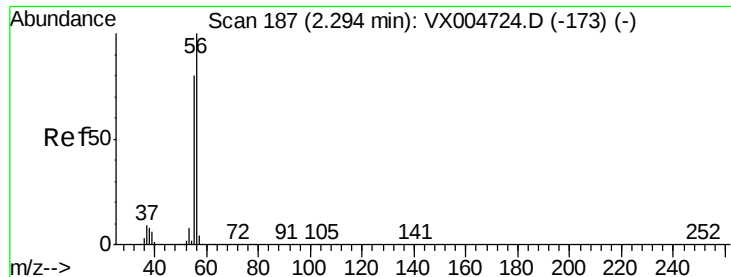


#12

1,1-Dichloroethene
Concen: 0.229 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX005260.D
Acq: 11 Oct 2018 18:12

Tgt Ion: 96 Resp: 414
Ion Ratio Lower Upper
96 100
61 67.8 130.2 195.4#
98 46.4 53.4 80.0#

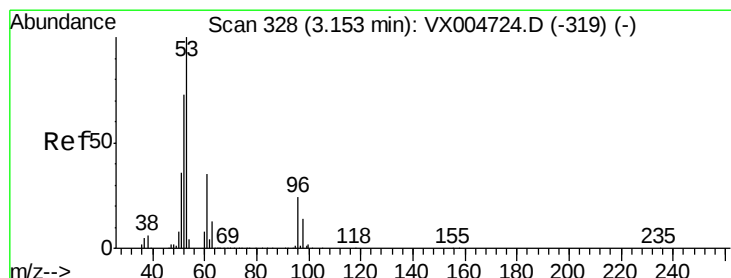
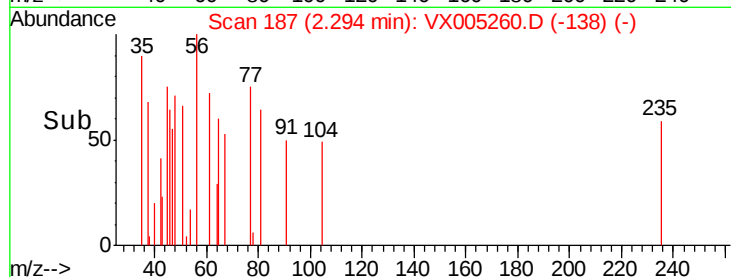
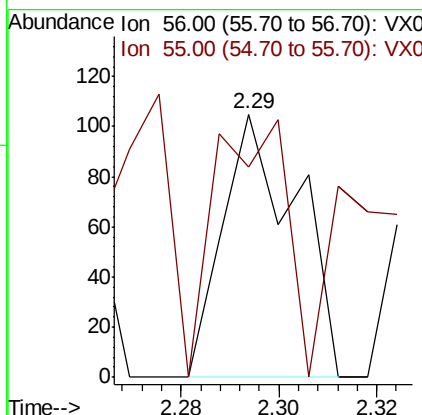
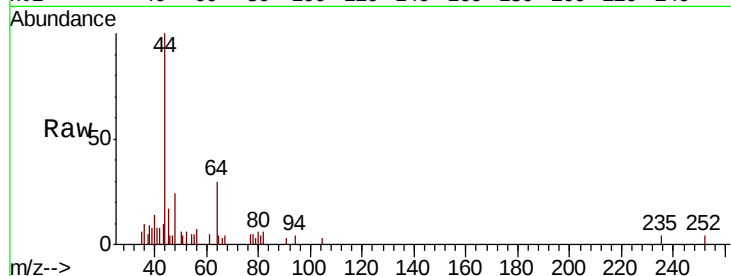




#13
Acrolein
Concen: 0.232 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX005260.D
Acq: 11 Oct 2018 18:12

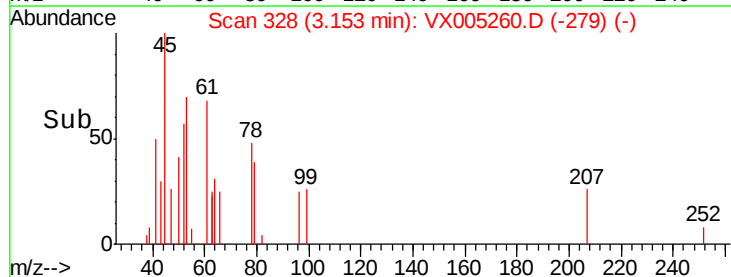
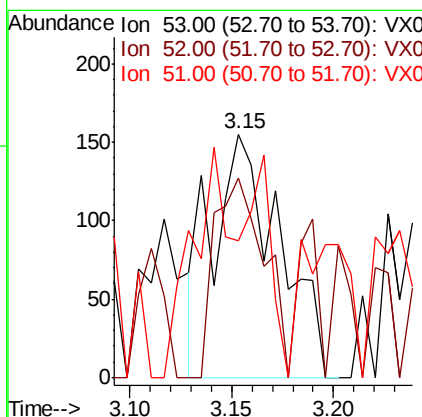
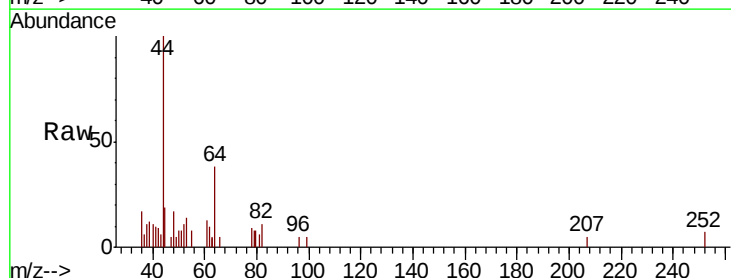
Instrument :
MSVOA_X
ClientSampleId :
TT-DUP04-20181004DL

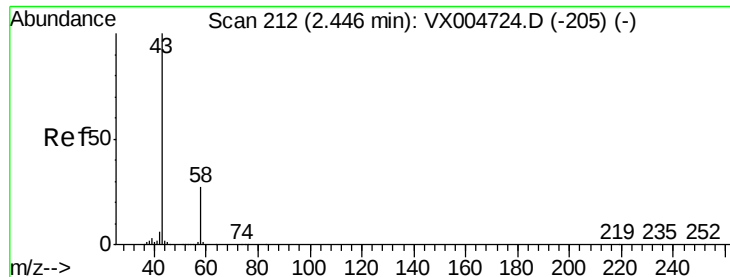
Tot Ion: 56 Resp: 110
Ion Ratio Lower Upper
56 100
55 94.5 63.4 95.2



#15
Acrylonitrile
Concen: 0.241 ug/l
RT: 3.15 min Scan# 328
Delta R.T. -0.00 min
Lab File: VX005260.D
Acq: 11 Oct 2018 18:12

Tgt Ion: 53 Resp: 353
Ion Ratio Lower Upper
53 100
52 61.2 63.0 94.4#
51 57.2 28.6 42.8#

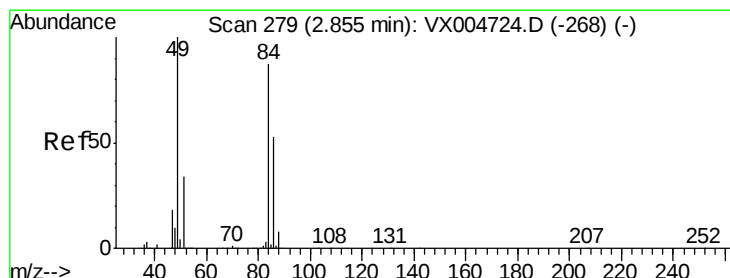
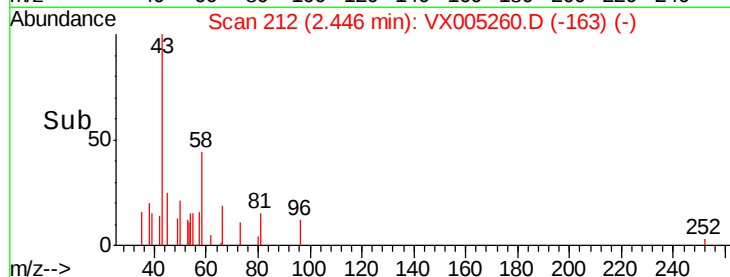
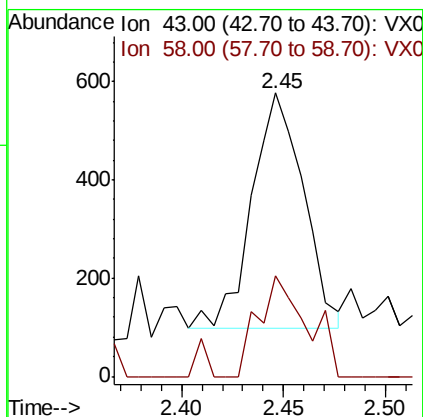
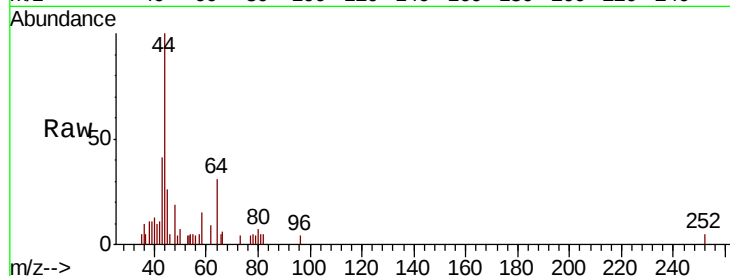




#16
Acetone
Concen: 0.611 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX005260.D
Acq: 11 Oct 2018 18:12

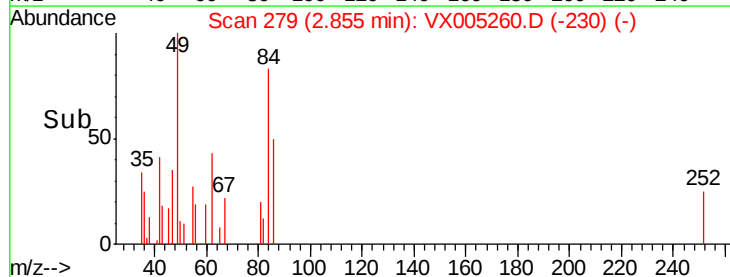
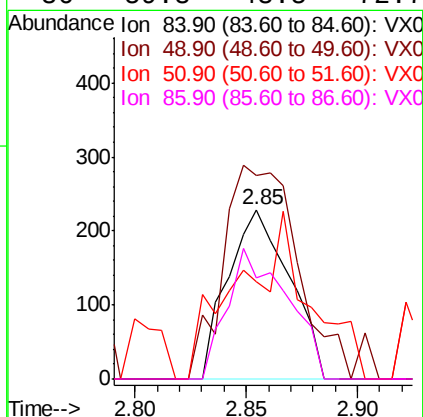
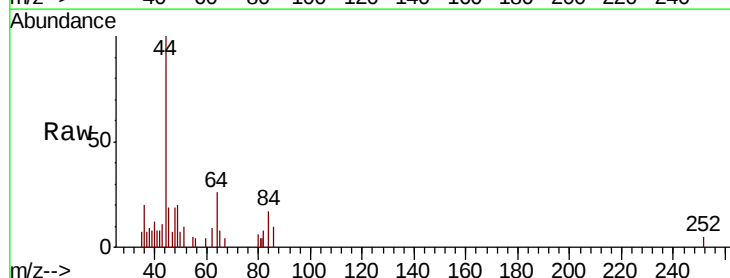
Instrument :
MSVOA_X
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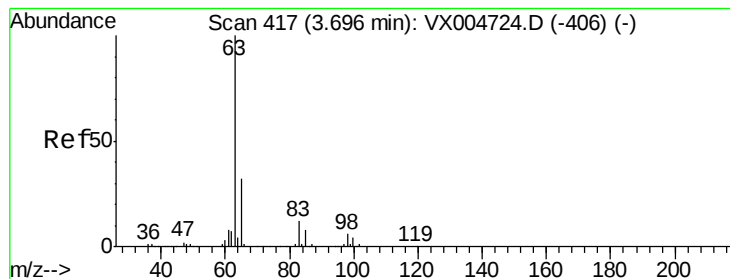
Tot Ion: 43 Resp: 850
Ion Ratio Lower Upper
43 100
58 42.7 21.8 32.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005260.D
Acq: 11 Oct 2018 18:12

Tgt Ion: 84 Resp: 439
Ion Ratio Lower Upper
84 100
49 120.1 92.3 138.5
51 57.6 31.8 47.6#
86 59.8 48.5 72.7





#24

1,1-Dichloroethane

Concen: 0.319 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX005260.D

Acq: 11 Oct 2018 18:12

Instrument :

MSVOA_X

ClientSampleId :

TT-DUP04-20181004DL

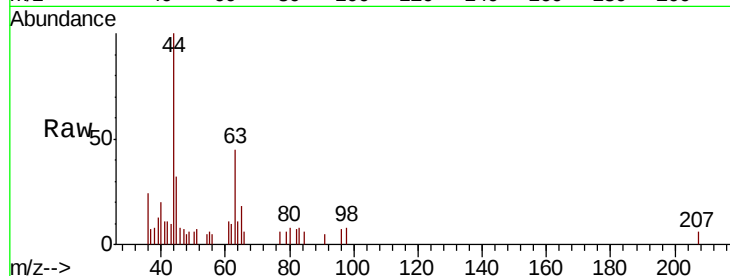
Tot Ion: 63 Resp: 1266

Ion Ratio Lower Upper

63 100

98 18.7 3.0 9.2#

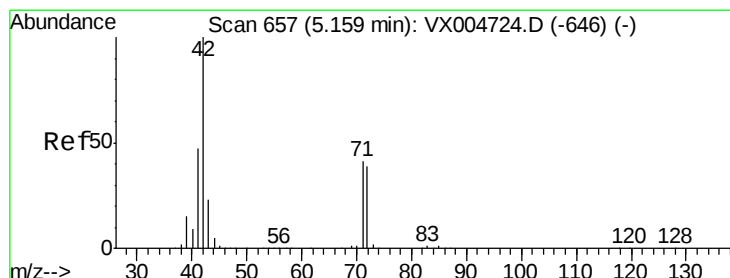
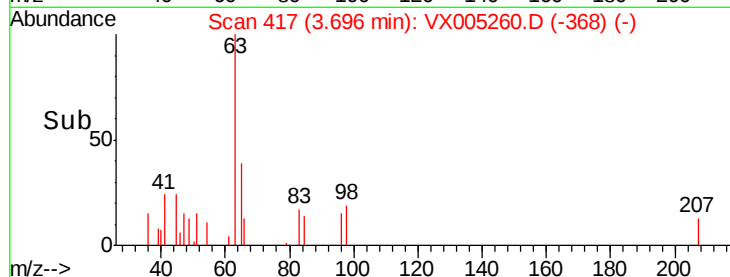
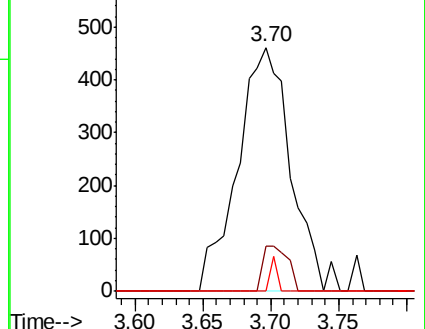
100 0.0 2.0 5.8#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#29

Tetrahydrofuran

Concen: 0.357 ug/l

RT: 5.16 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX005260.D

Acq: 11 Oct 2018 18:12

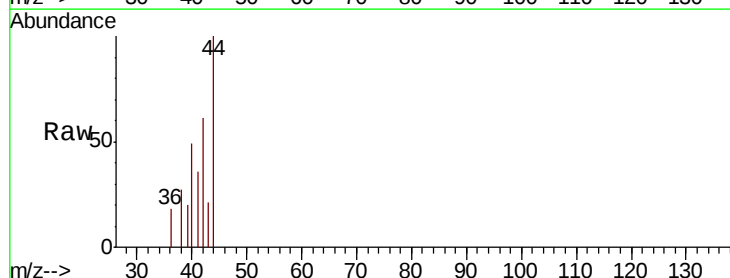
Tgt Ion: 42 Resp: 455

Ion Ratio Lower Upper

42 100

72 14.3 33.7 50.5#

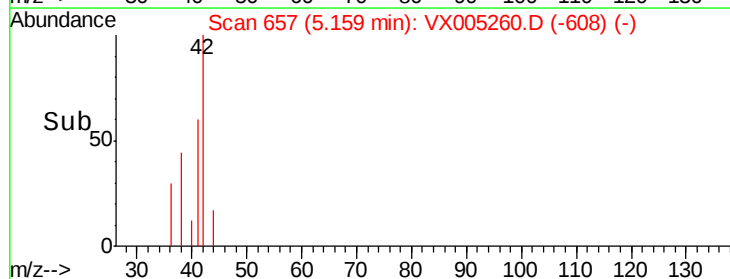
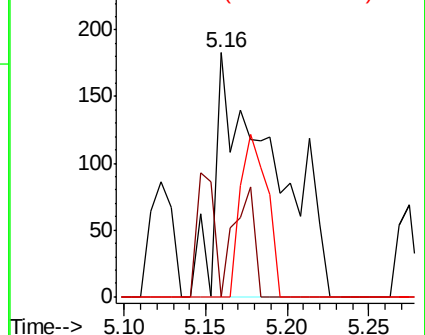
71 0.0 32.2 48.4#

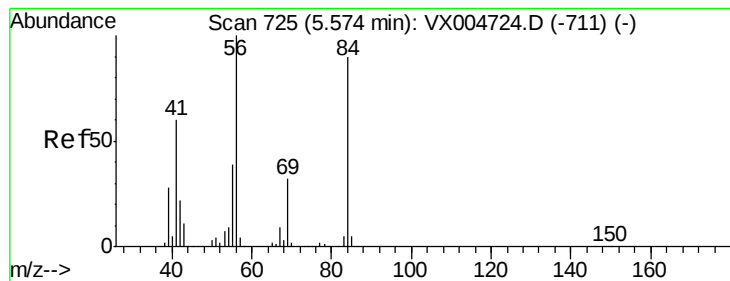


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.105 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX005260.D

Acq: 11 Oct 2018 18:12

Instrument :

MSVOA_X

ClientSampleId :

TT-DUP04-20181004DL

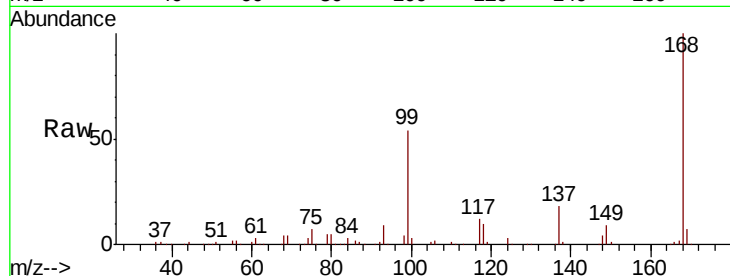
Tot Ion: 56 Resp: 3353

Ion Ratio Lower Upper

56 100

69 164.4 25.9 38.9#

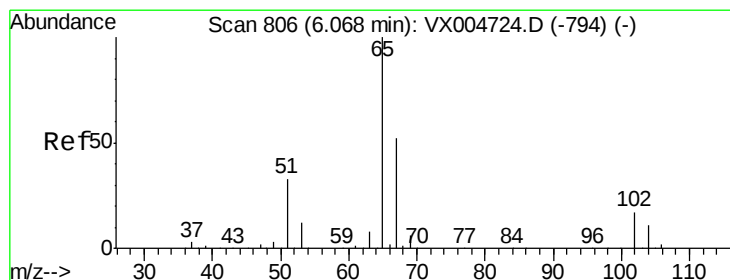
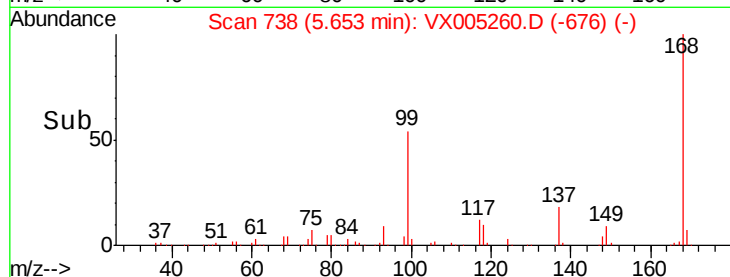
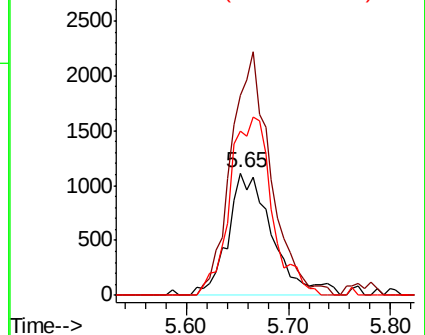
84 134.4 71.9 107.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 53.614 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005260.D

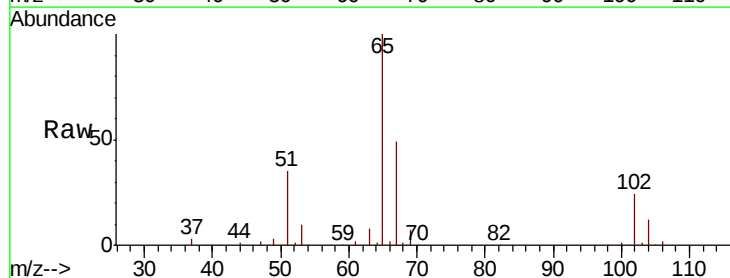
Acq: 11 Oct 2018 18:12

Tgt Ion: 65 Resp: 127805

Ion Ratio Lower Upper

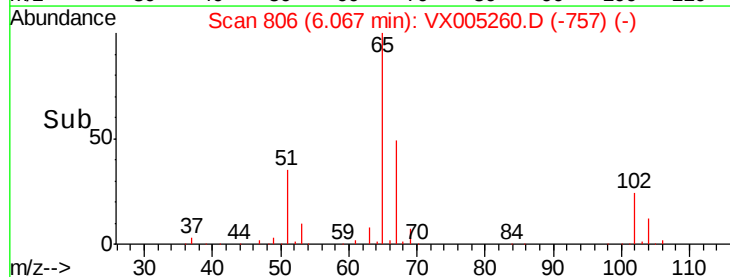
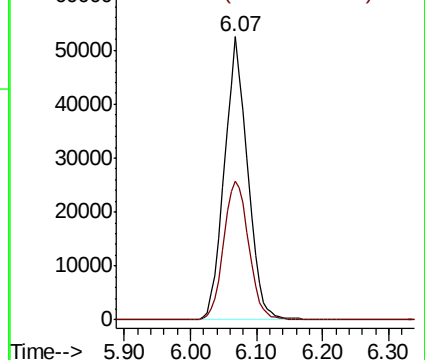
65 100

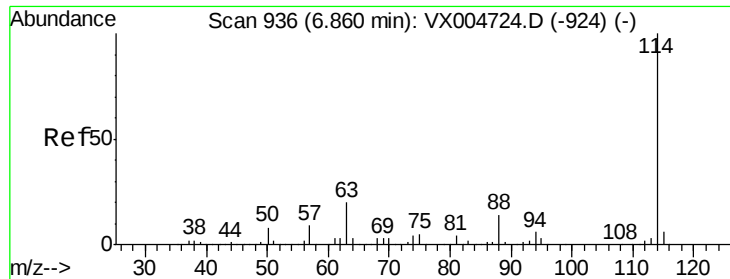
67 53.1 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

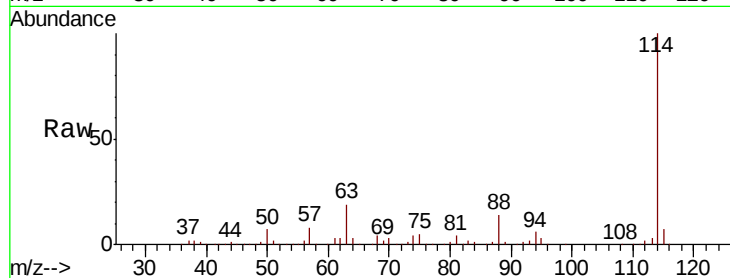




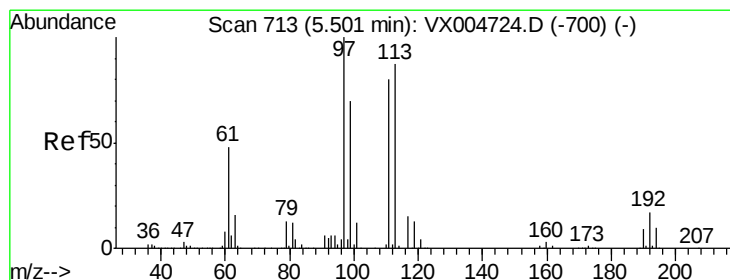
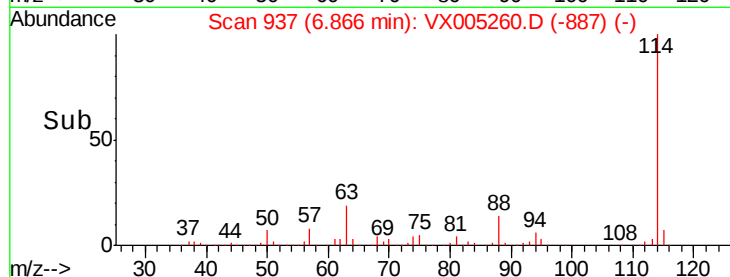
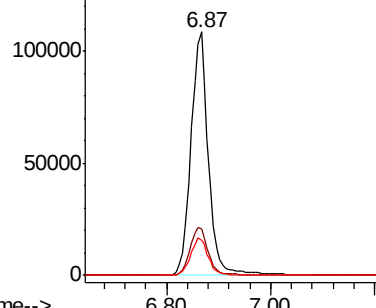
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005260.D
 Acq: 11 Oct 2018 18:12

Instrument :
 MSVOA_X
 ClientSampleID :
 TT-DUP04-20181004DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	39.8
88	14.4	0.0	27.0

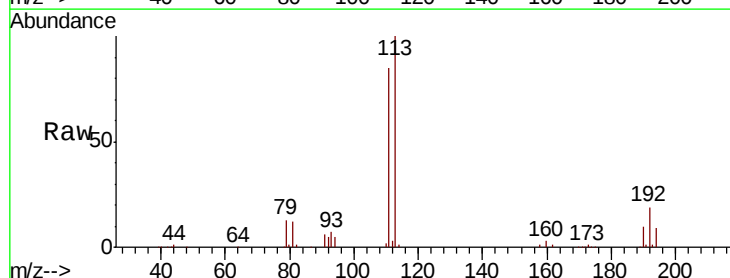


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

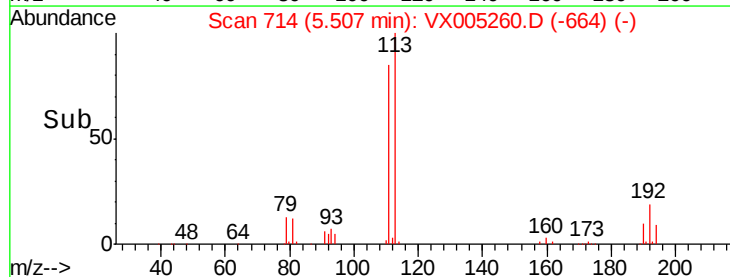
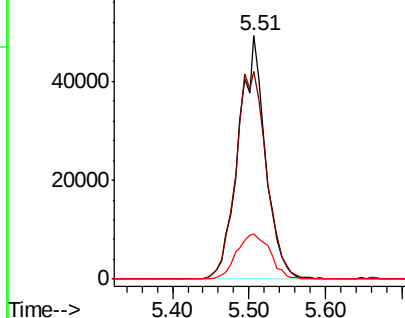


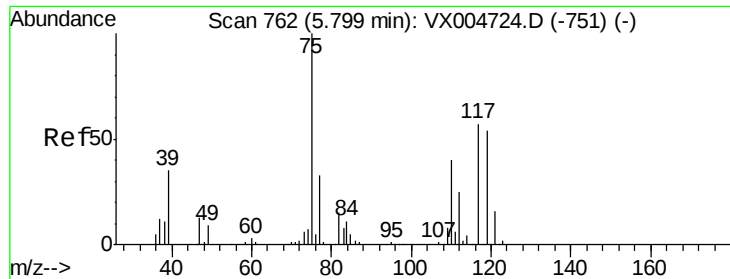
#35
 Dibromofluoromethane
 Concen: 55.201 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005260.D
 Acq: 11 Oct 2018 18:12

Tgt Ion	Ratio	Lower	Upper
113	100		
111	97.2	77.0	115.4
192	23.3	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

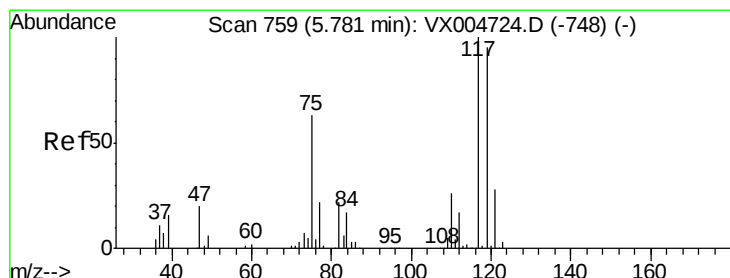
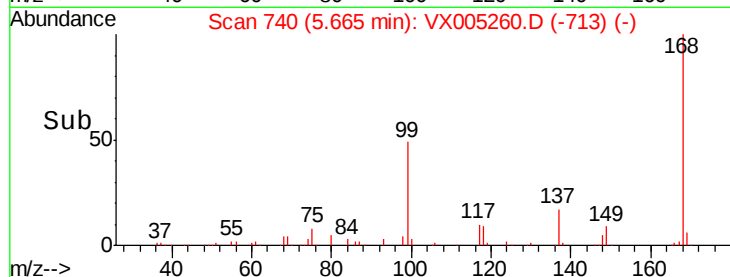
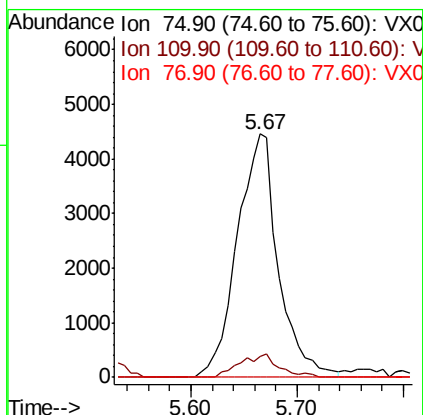
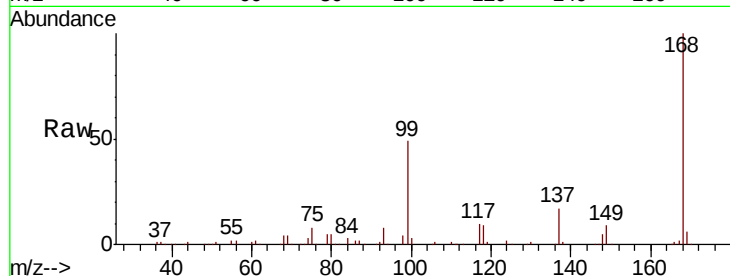




#36
 1,1-Dichloropropene
 Concen: 4.048 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005260.D
 Acq: 11 Oct 2018 18:12

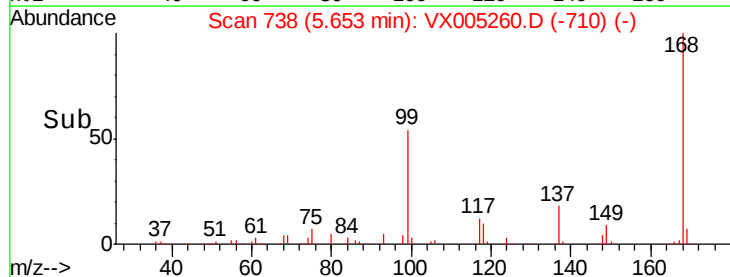
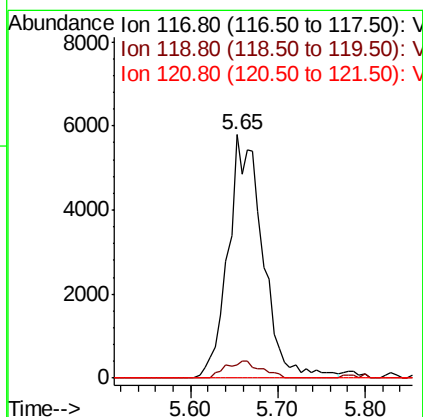
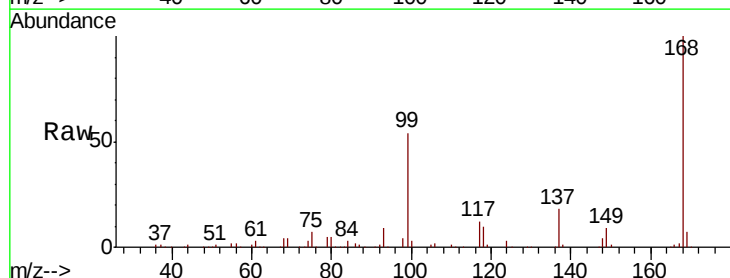
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-DUP04-20181004DL

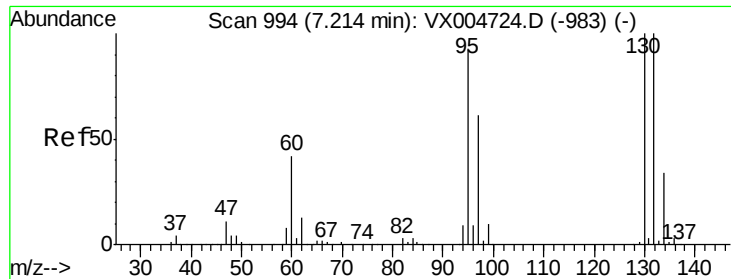
Tot Ion: 75 Resp: 12030
 Ion Ratio Lower Upper
 75 100
 110 9.3 20.0 59.9#
 77 0.0 27.1 40.7#



#38
 Carbon Tetrachloride
 Concen: 5.101 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX005260.D
 Acq: 11 Oct 2018 18:12

Tgt Ion: 117 Resp: 15935
 Ion Ratio Lower Upper
 117 100
 119 5.2 75.2 112.8#
 121 0.0 22.5 33.7#





#44

Trichloroethene

Concen: 44.473 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX005260.D

Acq: 11 Oct 2018 18:12

Instrument :

MSVOA_X

ClientSampleId :

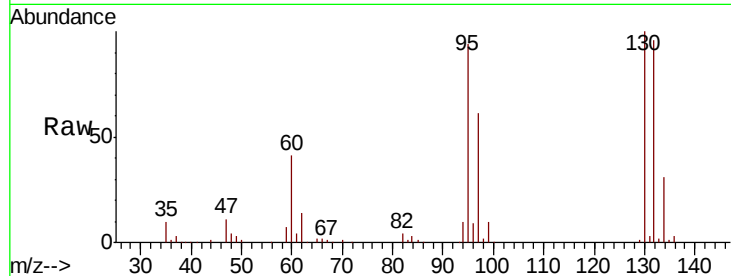
TT-DUP04-20181004DL

Tot Ion:130 Resp: 101711

Ion Ratio Lower Upper

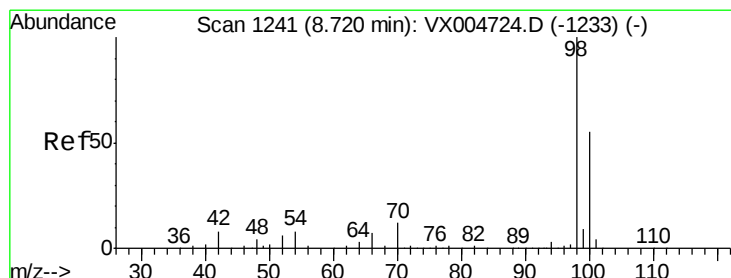
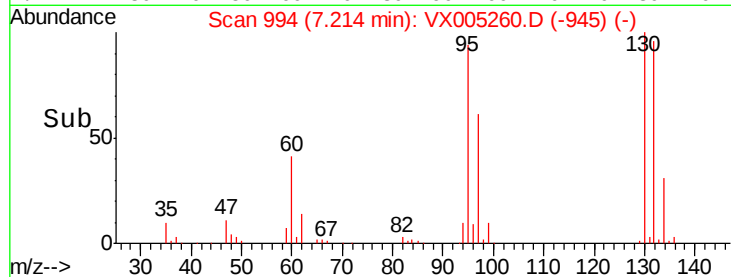
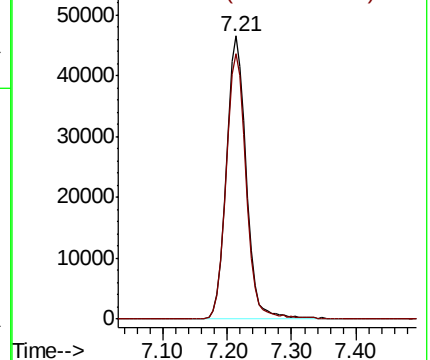
130 100

95 93.9 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: 51.750 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX005260.D

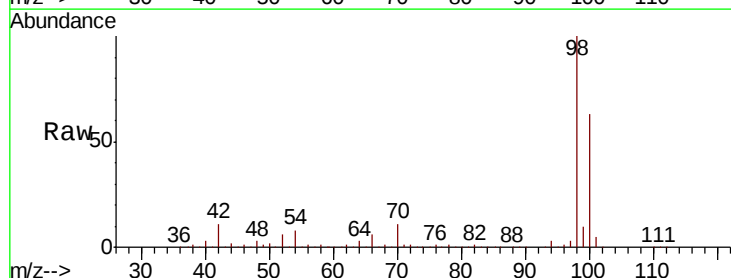
Acq: 11 Oct 2018 18:12

Tgt Ion: 98 Resp: 374711

Ion Ratio Lower Upper

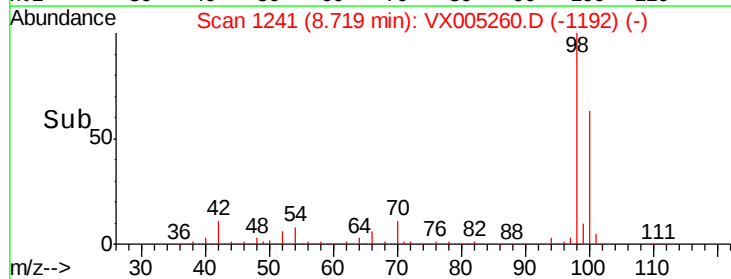
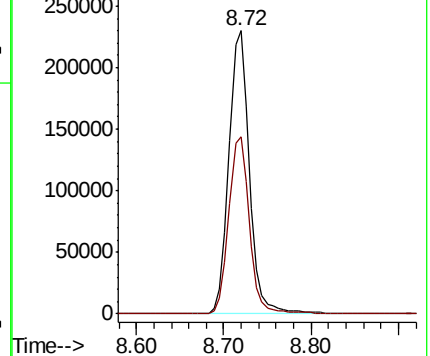
98 100

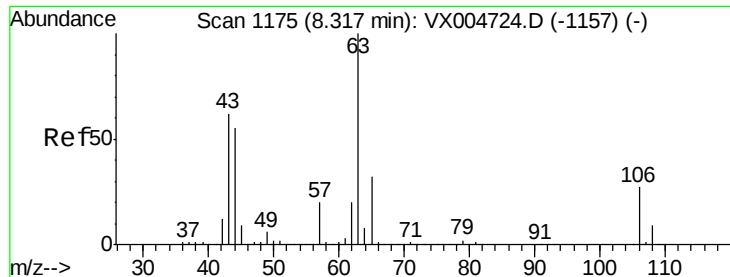
100 63.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

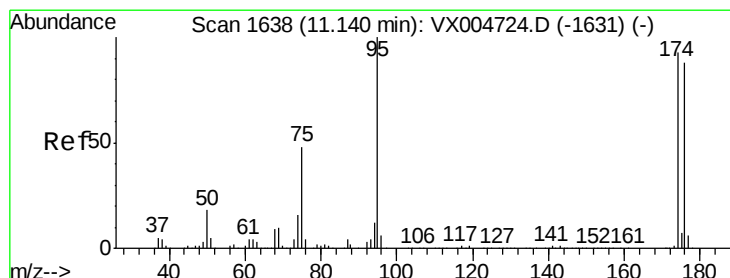
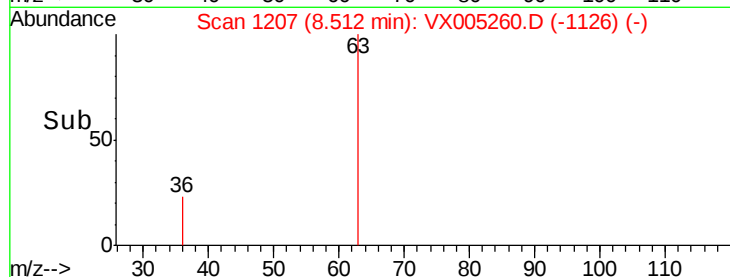
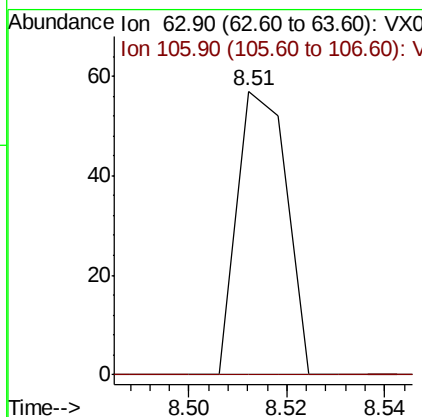
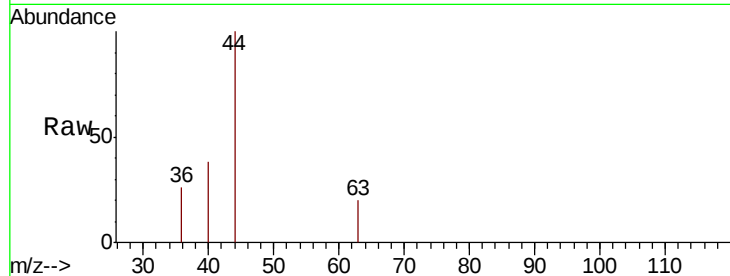




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.262 ug/l
 RT: 8.51 min Scan# 1207
 Delta R.T. 0.19 min
 Lab File: VX005260.D
 Acq: 11 Oct 2018 18:12

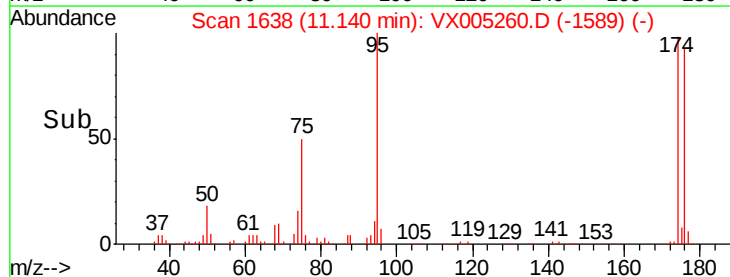
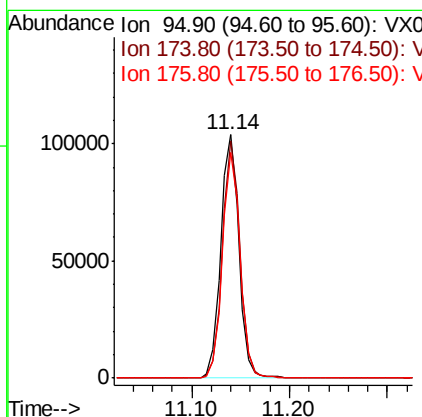
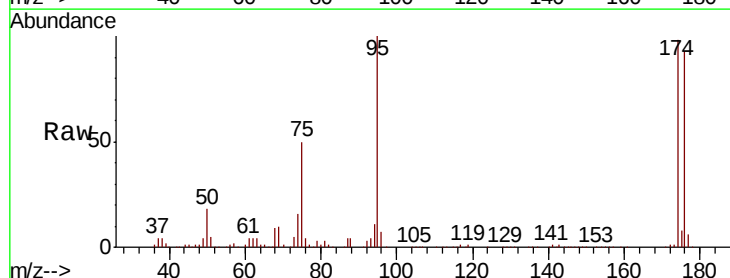
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-DUP04-20181004DL

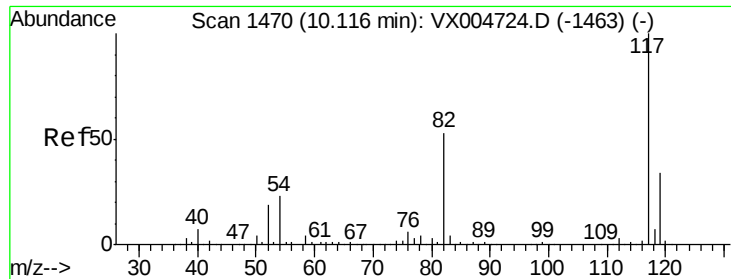
Tot Ion: 63 Resp: 40
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.0 31.6#



#62
 4-Bromofluorobenzene
 Concen: 51.003 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005260.D
 Acq: 11 Oct 2018 18:12

Tgt Ion: 95 Resp: 133044
 Ion Ratio Lower Upper
 95 100
 174 95.2 0.0 185.0
 176 91.1 0.0 180.2

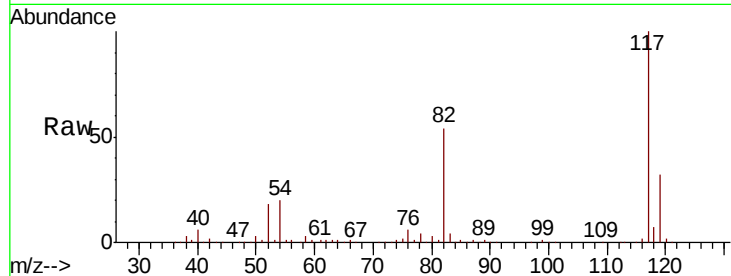




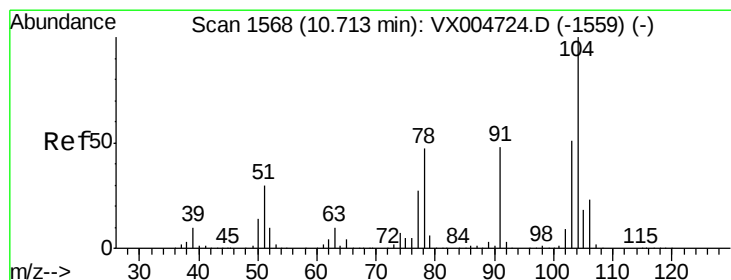
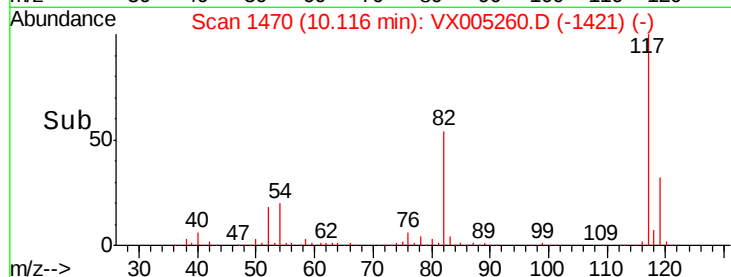
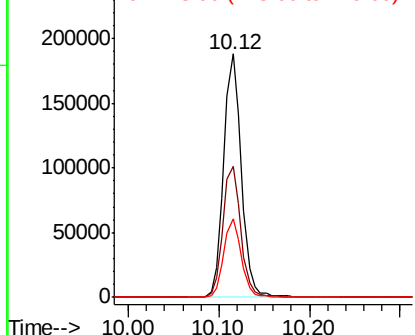
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005260.D
Acq: 11 Oct 2018 18:12

Instrument :
MSVOA_X
ClientSampleId :
TT-DUP04-20181004DL

Tot Ion:117 Resp: 256411
Ion Ratio Lower Upper
117 100
82 53.7 42.2 63.4
119 32.1 27.4 41.0

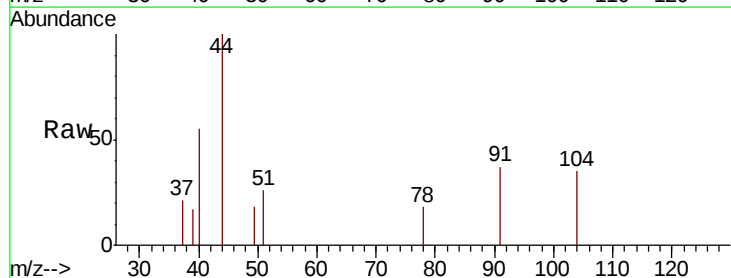


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

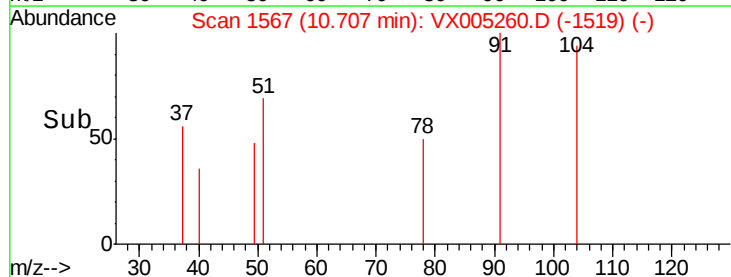
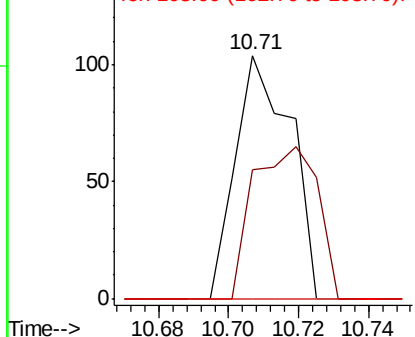


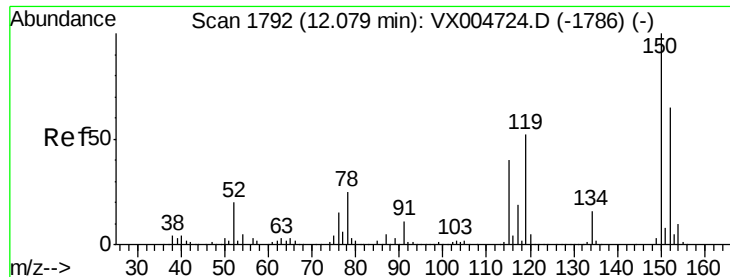
#70
Styrene
Concen: 2.156 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX005260.D
Acq: 11 Oct 2018 18:12

Tgt Ion:104 Resp: 114
Ion Ratio Lower Upper
104 100
78 72.8 40.0 60.0#
103 0.0 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



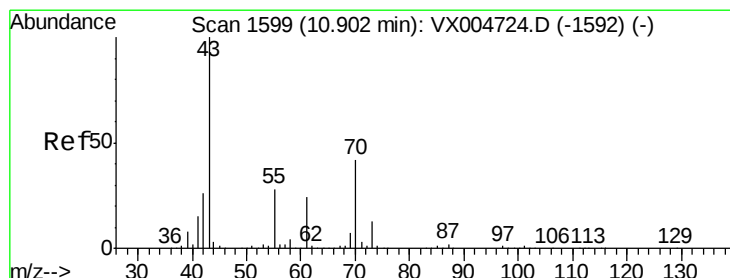
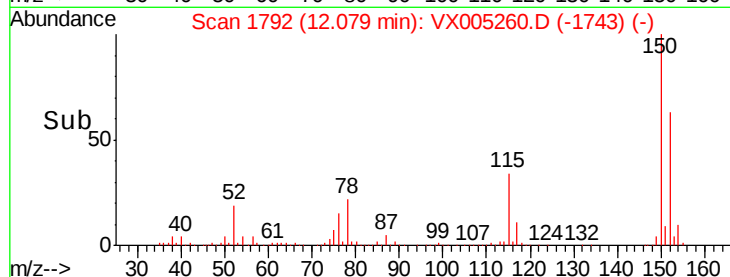
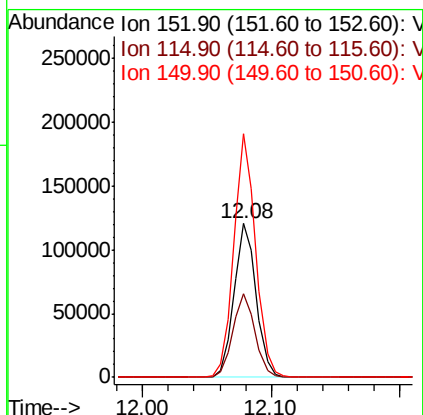
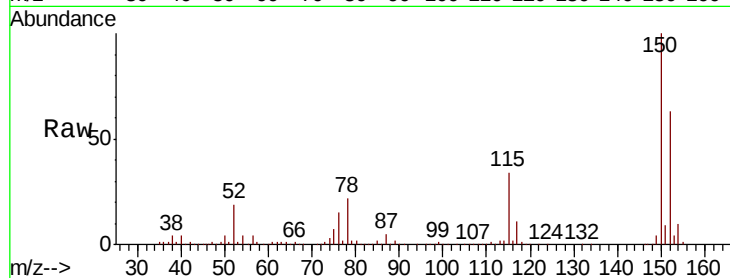


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005260.D
Acq: 11 Oct 2018 18:12

Instrument :
MSVOA_X
ClientSampleId :
TT-DUP04-20181004DL

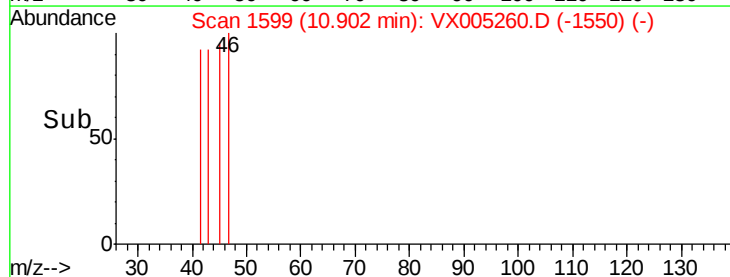
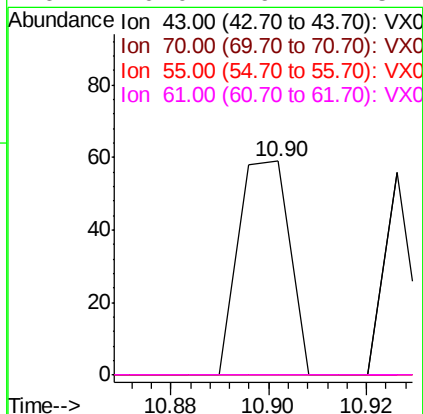
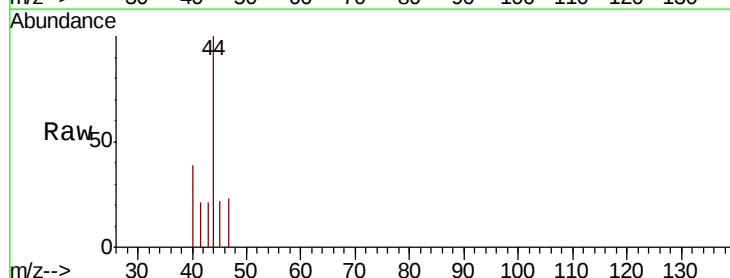
Tot Ion:152 Resp: 144248
Ion Ratio Lower Upper
152 100
115 54.6 40.2 120.6
150 156.0 0.0 351.0

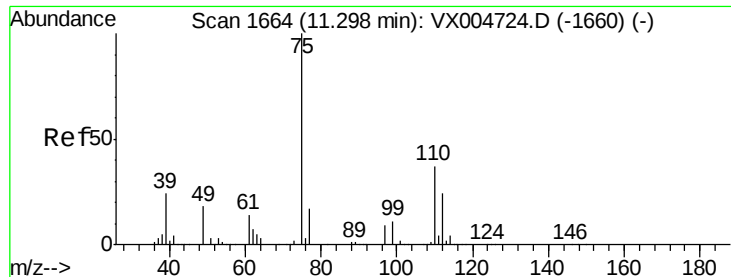


#74

N-ethyl acetate
Concen: 1.756 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VX005260.D
Acq: 11 Oct 2018 18:12

Tgt Ion: 43 Resp: 43
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#

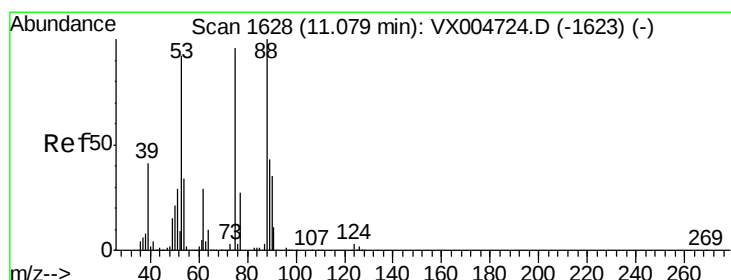
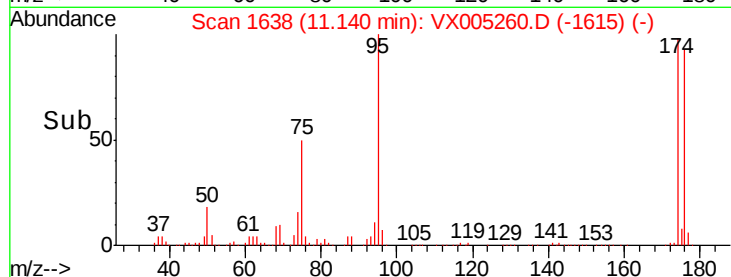
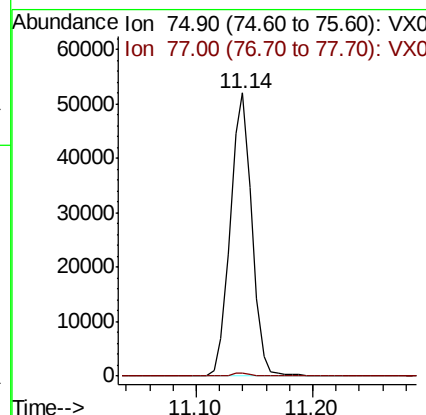
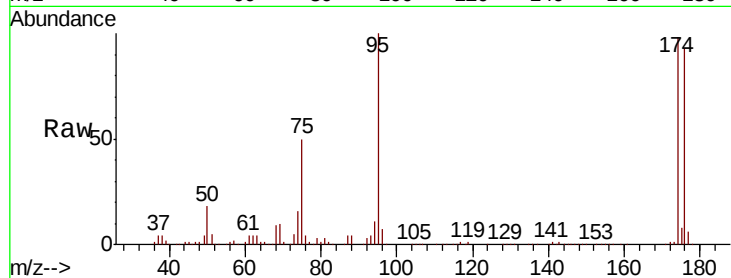




#76
 1,2,3-Trichloropropane
 Concen: 20.582 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005260.D
 Acq: 11 Oct 2018 18:12

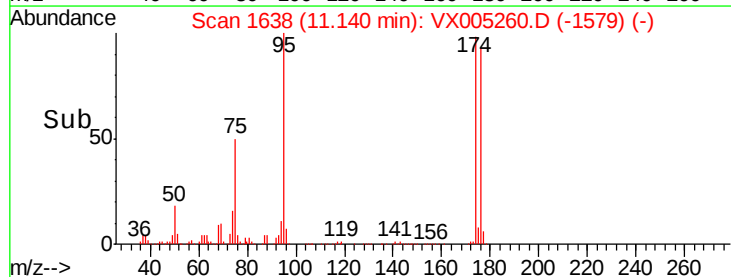
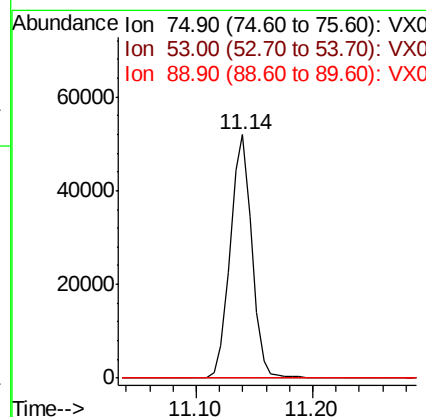
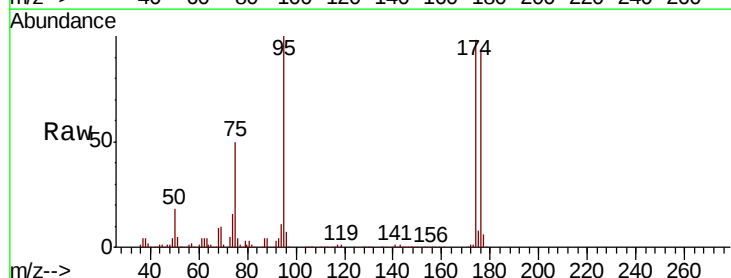
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-DUP04-20181004DL

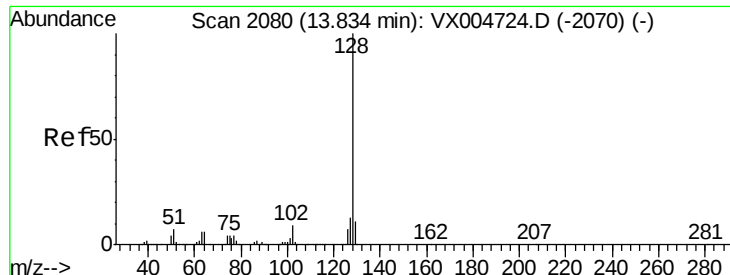
Tot Ion: 75 Resp: 66544
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.4 64.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.891 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX005260.D
 Acq: 11 Oct 2018 18:12

Tgt Ion: 75 Resp: 66544
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.2 120.4#
 89 0.0 37.1 55.7#





#95
Naphthalene
Concen: 0.748 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005260.D
Acq: 11 Oct 2018 18:12

Instrument :
MSVOA_X
ClientSampleId :
TT-DUP04-20181004DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.7	13.1#

