

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004558.D
 Acq On : 15 Sep 2018 02:43
 Operator : JC/MD
 Sample : J4924-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LCTB01-180913

Quant Time: Sep 15 06:06:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	237110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	344563	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	328345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176113	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	173090	56.62	ug/l	0.00
Spiked Amount			Recovery	=	113.24%	
35) Dibromofluoromethane	5.51	113	156042	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
50) Toluene-d8	8.72	98	524326	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	11.14	95	170126	45.07	ug/l	0.00
Spiked Amount			Recovery	=	90.14%	

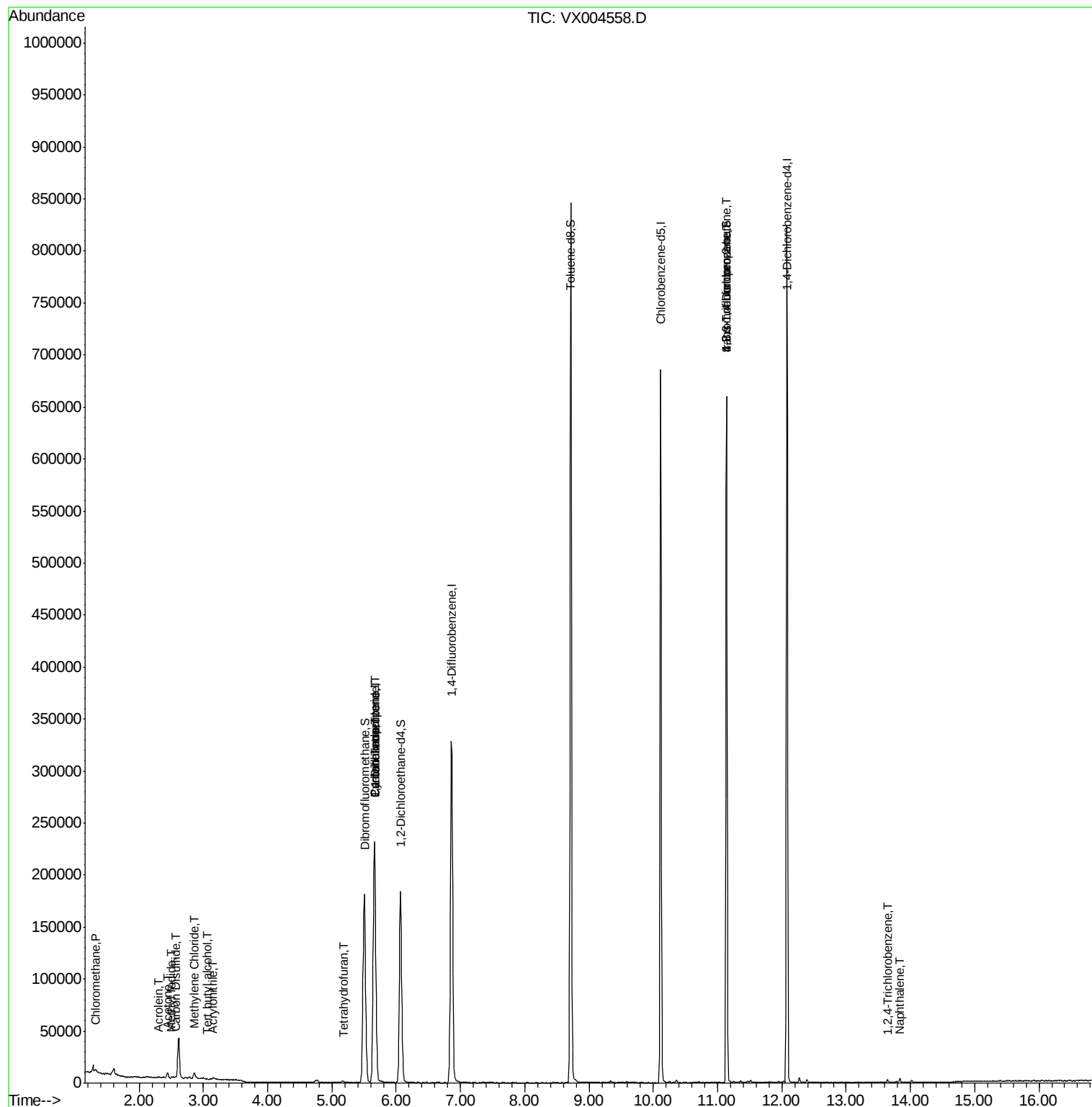
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	844	0.28	ug/l	# 83
5) Bromomethane	1.65	94	1332	Below	Cal	97
10) Methyl Iodide	2.51	142	1474	4.68	ug/l	97
11) Tert butyl alcohol	3.06	59	270	0.37	ug/l	# 72
13) Acrolein	2.29	56	284	0.99	ug/l	# 1
15) Acrylonitrile	3.14	53	662	0.38	ug/l	# 91
16) Acetone	2.45	43	5773	3.87	ug/l	96
17) Carbon Disulfide	2.57	76	1925	0.27	ug/l	97
20) Methylene Chloride	2.85	84	2519	0.82	ug/l	88
29) Tetrahydrofuran	5.18	42	874	0.61	ug/l	# 80
31) Cyclohexane	5.67	56	4125	0.93	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	16143	3.86	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	22733	5.56	ug/l	# 15
76) 1,2,3-Trichloropropane	11.14	75	80313	22.67	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.14	75	80313	72.25	ug/l	# 10
93) 1,2,4-Trichlorobenzene	13.65	180	925	0.22	ug/l	91
95) Naphthalene	13.83	128	2822	0.23	ug/l	# 95

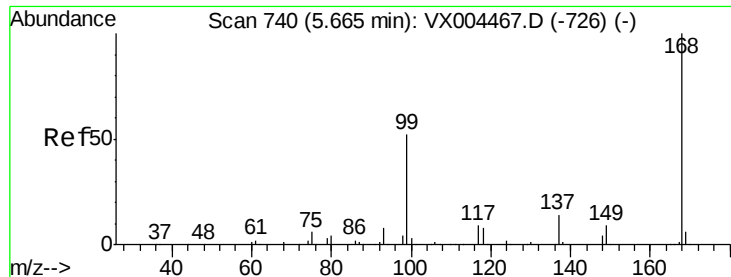
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091418\
Data File : VX004558.D
Acq On : 15 Sep 2018 02:43
Operator : JC/MD
Sample : J4924-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LCTB01-180913

Quant Time: Sep 15 06:06:38 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004558.D

Acq: 15 Sep 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

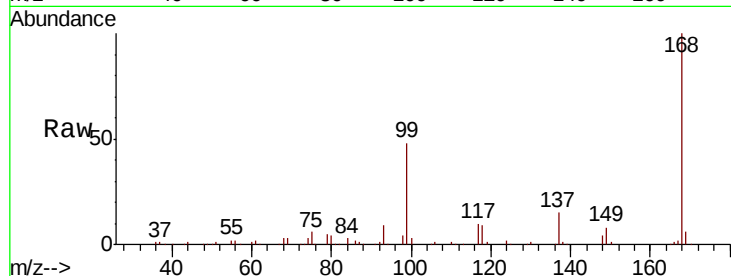
LCTB01-180913

Tot Ion:168 Resp: 237110

Ion Ratio Lower Upper

168 100

99 47.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

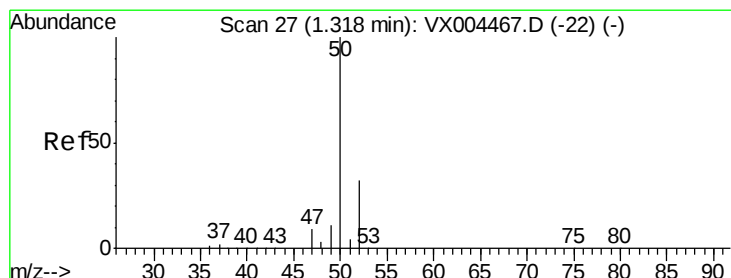
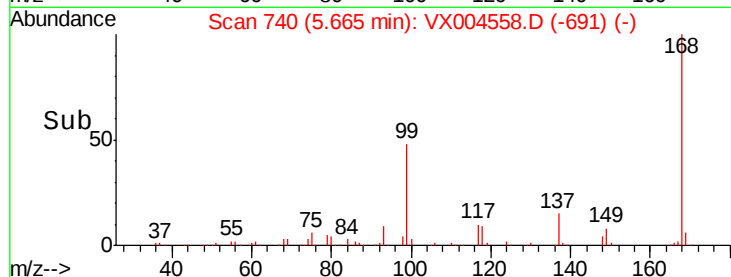
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.28 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004558.D

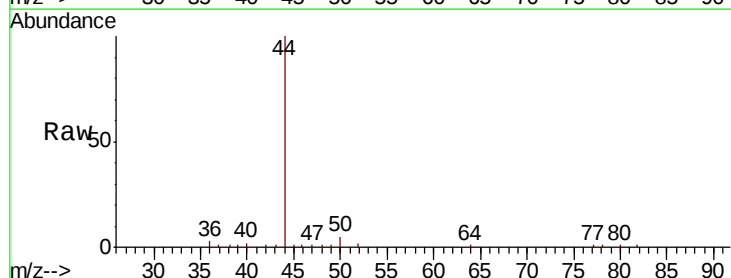
Acq: 15 Sep 2018 02:43

Tgt Ion: 50 Resp: 844

Ion Ratio Lower Upper

50 100

52 42.3 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

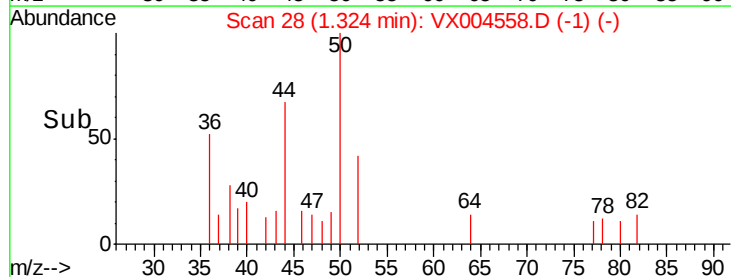
300

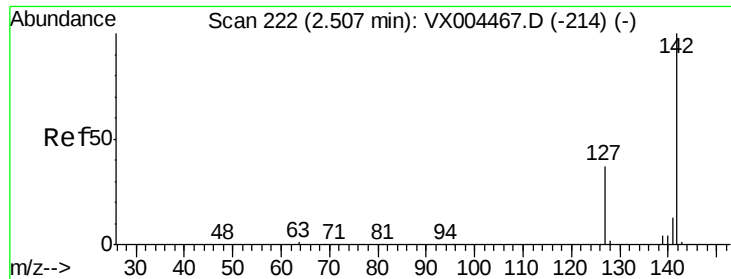
200

100

0

Time--> 1.25 1.30 1.35 1.40

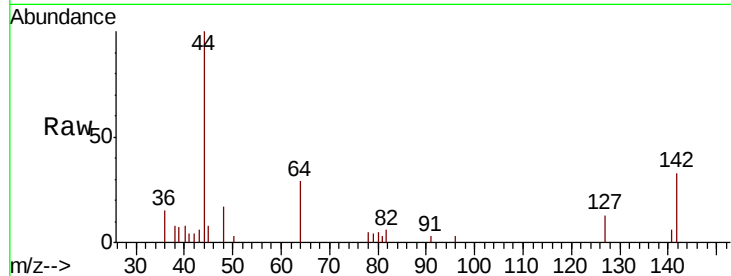




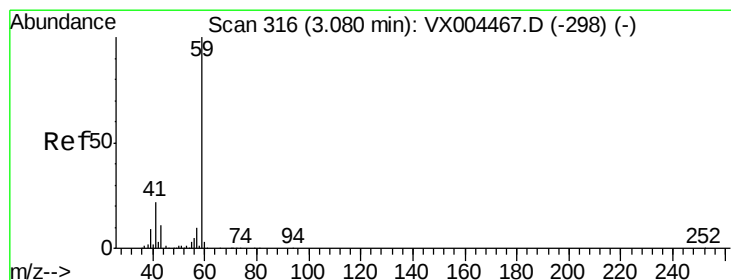
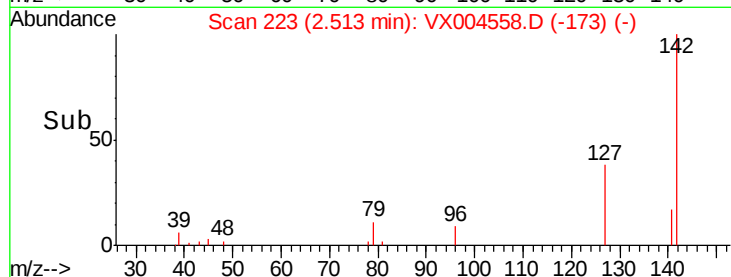
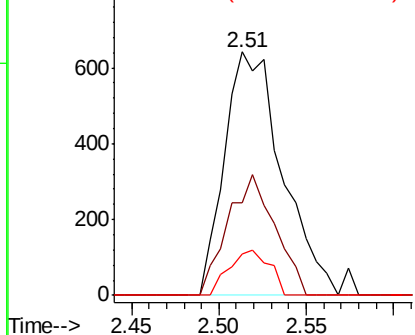
#10
Methvl Iodide
Concen: 4.68 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX004558.D
Acq: 15 Sep 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
LCTB01-180913

Tot Ion:142 Resp: 1474
Ion Ratio Lower Upper
142 100
127 40.6 33.8 50.6
141 13.1 11.4 17.0

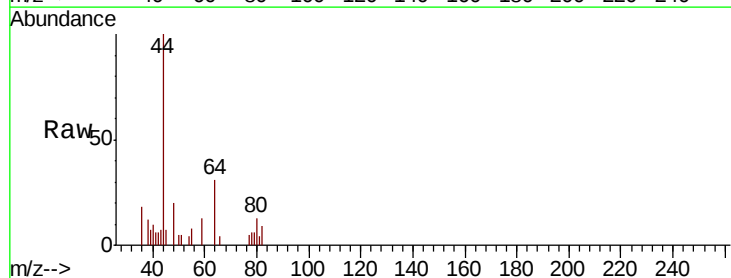


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

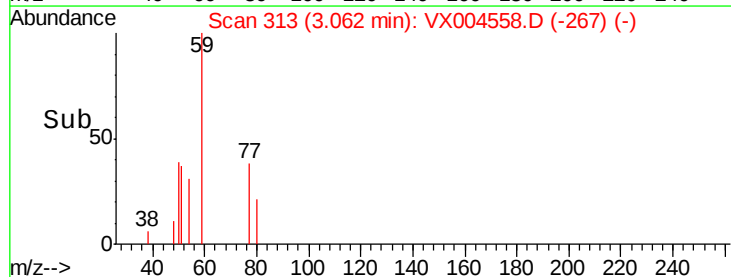
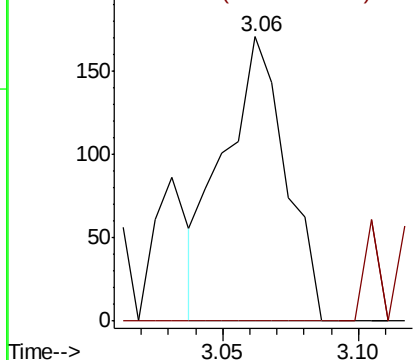


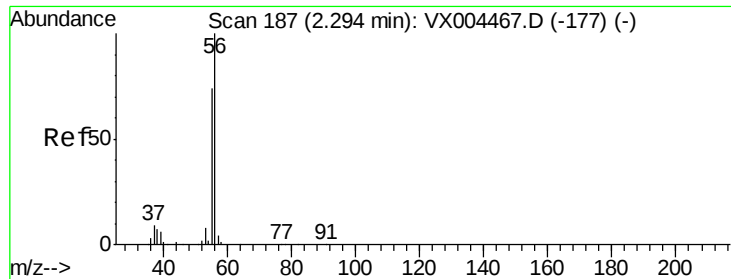
#11
Tert butyl alcohol
Concen: 0.37 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX004558.D
Acq: 15 Sep 2018 02:43

Tgt Ion: 59 Resp: 270
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.99 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004558.D

Acq: 15 Sep 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

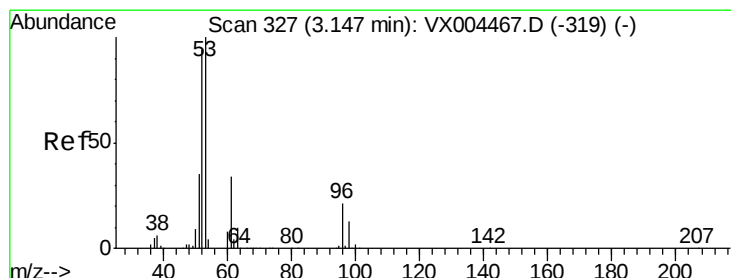
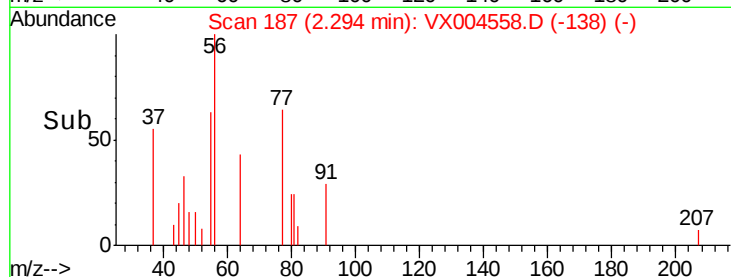
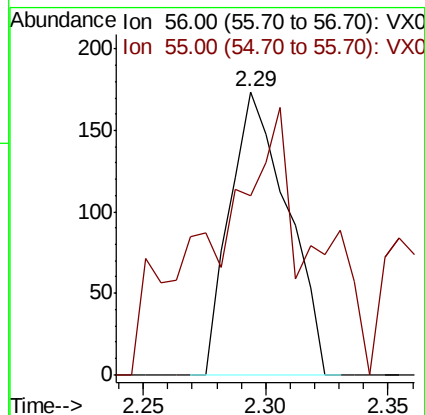
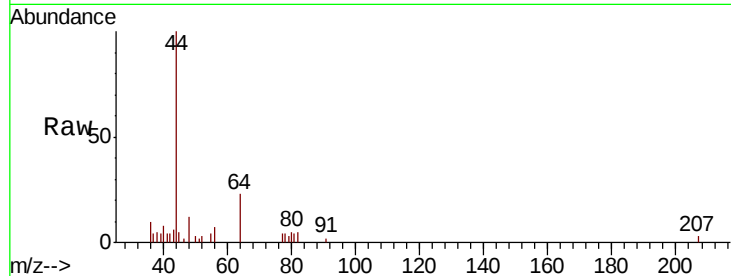
LCTB01-180913

Tot Ion: 56 Resp: 284

Ion Ratio Lower Upper

56 100

55 148.6 54.7 82.1#



#15

Acrylonitrile

Concen: 0.38 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX004558.D

Acq: 15 Sep 2018 02:43

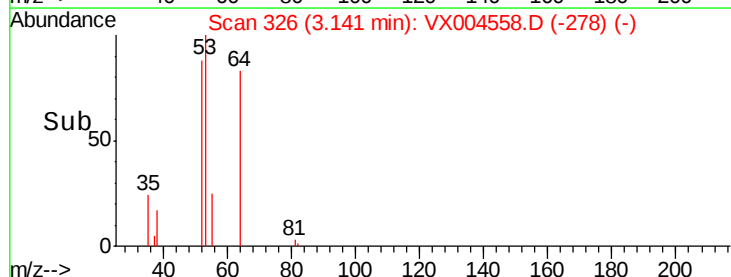
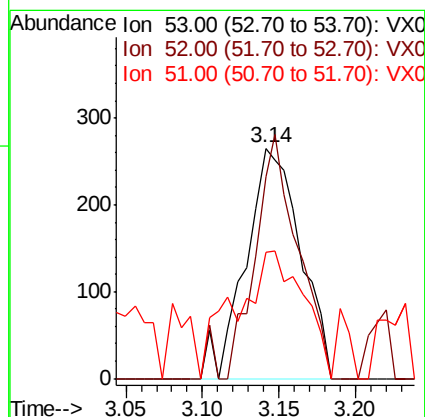
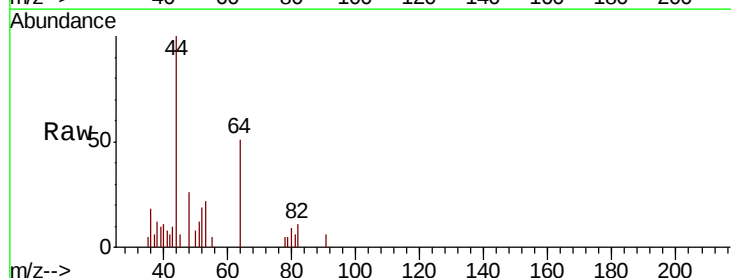
Tgt Ion: 53 Resp: 662

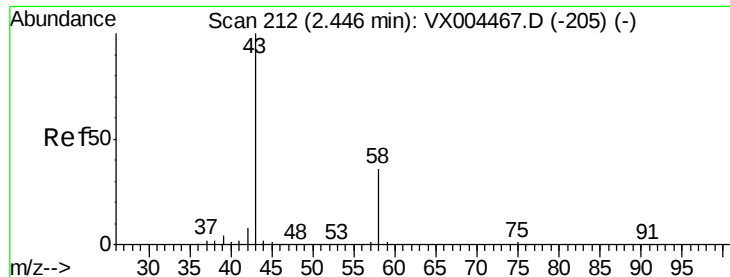
Ion Ratio Lower Upper

53 100

52 81.7 65.2 97.8

51 51.5 28.2 42.2#





#16

Acetone

Concen: 3.87 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004558.D

Acq: 15 Sep 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

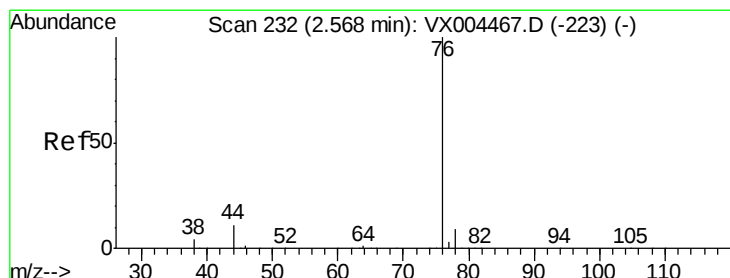
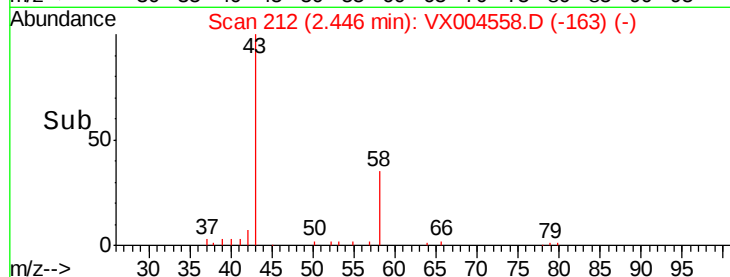
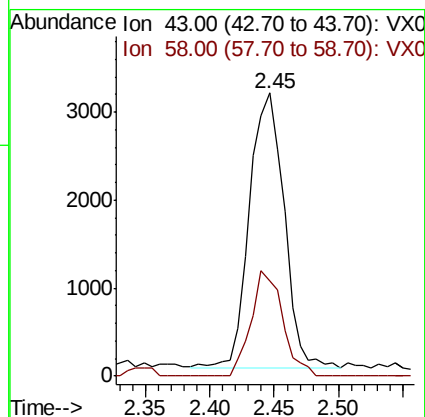
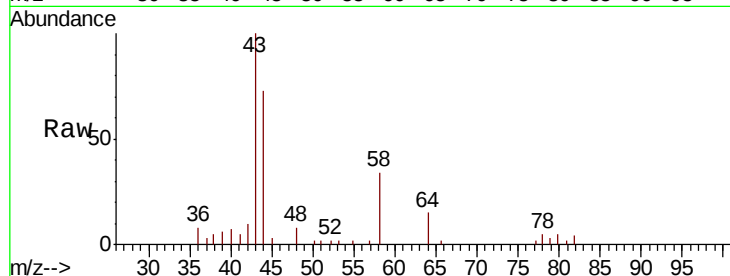
LCTB01-180913

Tot Ion: 43 Resp: 5773

Ion Ratio Lower Upper

43 100

58 34.8 26.2 39.4



#17

Carbon Disulfide

Concen: 0.27 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004558.D

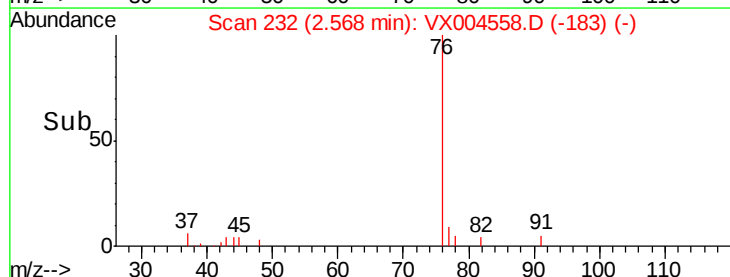
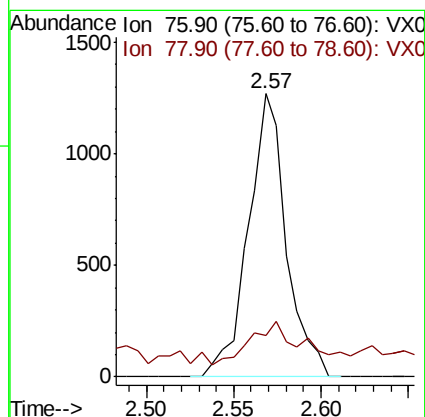
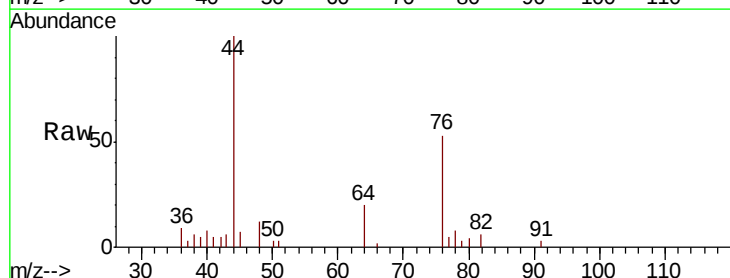
Acq: 15 Sep 2018 02:43

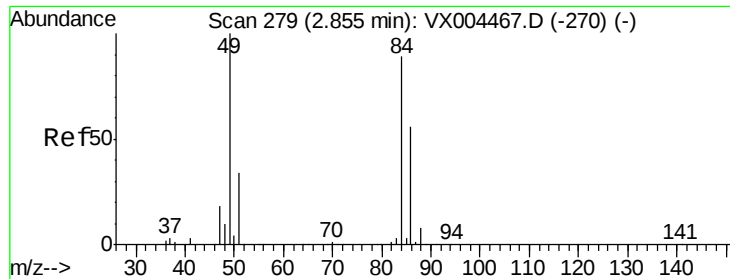
Tgt Ion: 76 Resp: 1925

Ion Ratio Lower Upper

76 100

78 10.0 7.0 10.6

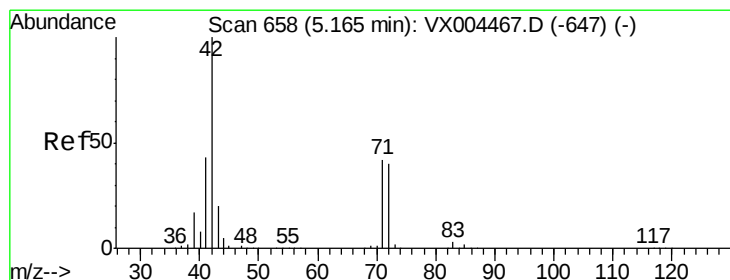
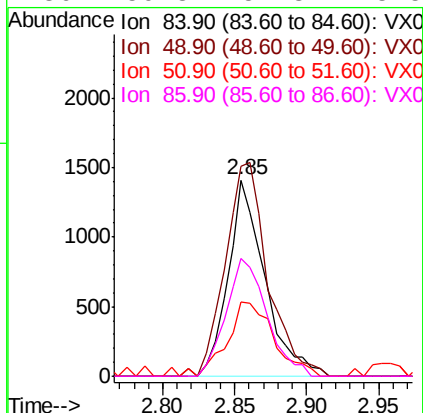
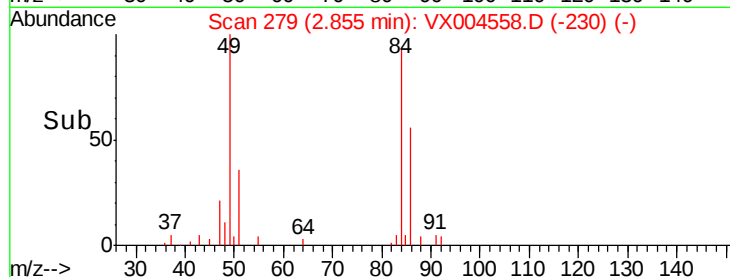
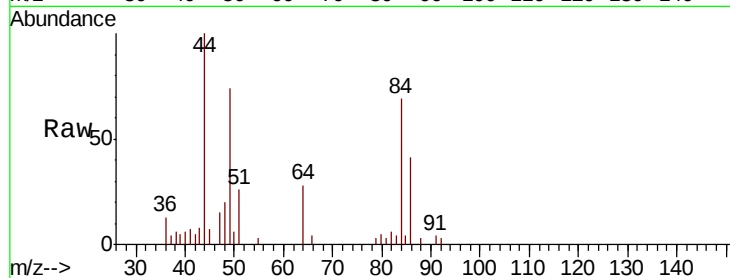




#20
Methvlene Chloride
Concen: 0.82 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004558.D
Acq: 15 Sep 2018 02:43

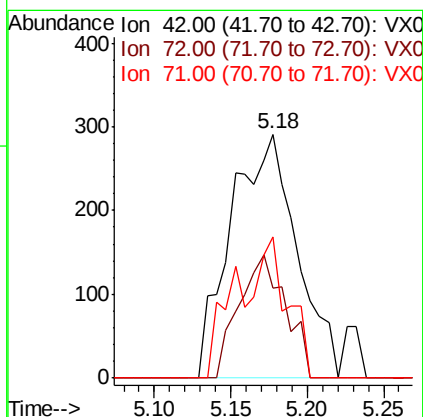
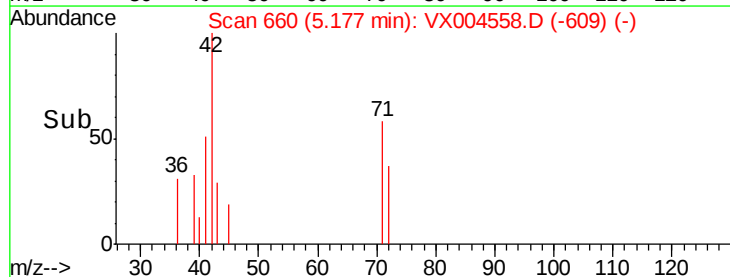
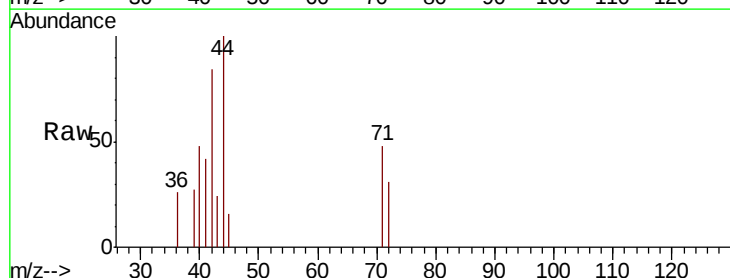
Instrument :
MSVOA_X
ClientSampleId :
LCTB01-180913

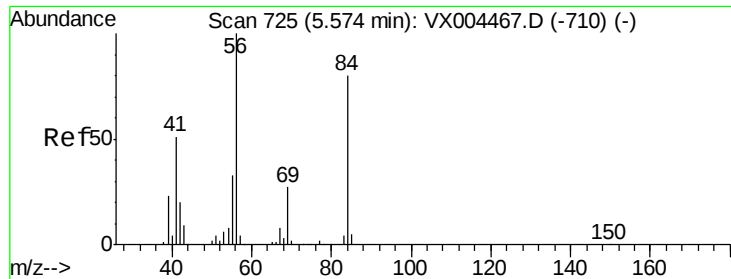
Tot Ion:	84	Resp:	2519
Ion	Ratio	Lower	Upper
84	100		
49	107.0	101.2	151.8
51	38.1	29.5	44.3
86	59.8	52.3	78.5



#29
Tetrahydrofuran
Concen: 0.61 ug/l
RT: 5.18 min Scan# 660
Delta R.T. 0.01 min
Lab File: VX004558.D
Acq: 15 Sep 2018 02:43

Tgt Ion:	42	Resp:	874
Ion	Ratio	Lower	Upper
42	100		
72	35.5	37.4	56.0#
71	27.8	34.5	51.7#

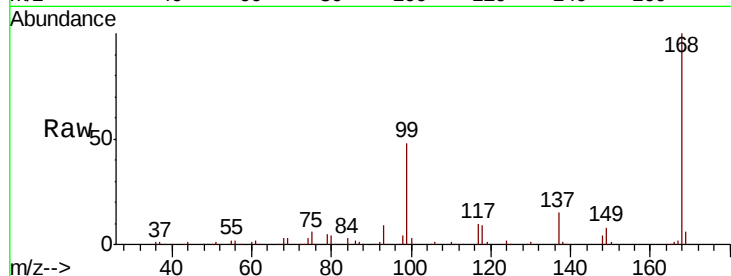




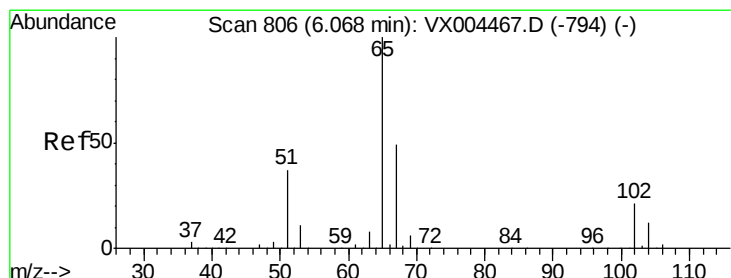
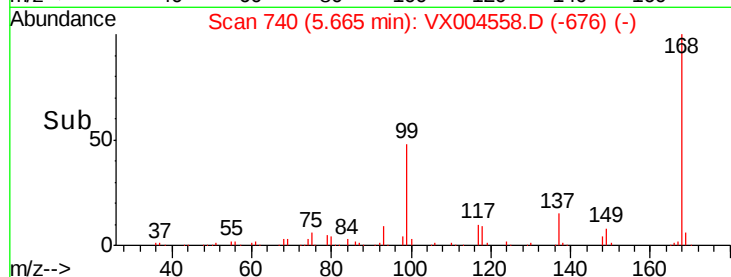
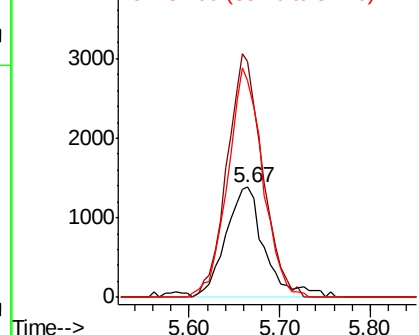
#31
Cyclohexane
Concen: 0.93 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX004558.D
Acq: 15 Sep 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
LCTB01-180913

Tot Ion: 56 Resp: 4125
Ion Ratio Lower Upper
56 100
69 214.7 25.4 38.2#
84 196.5 71.4 107.2#

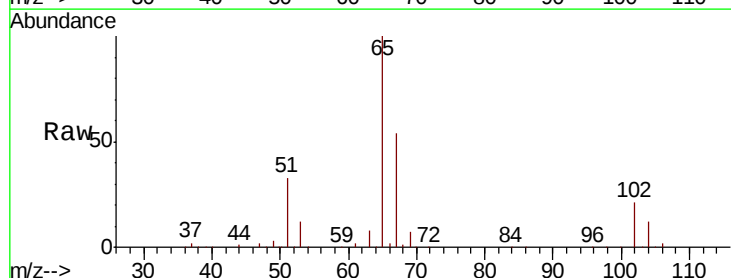


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

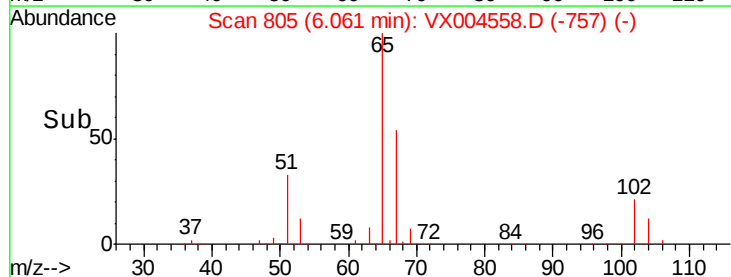
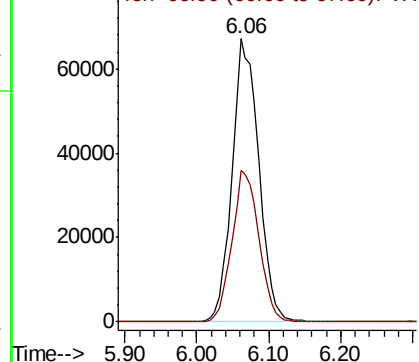


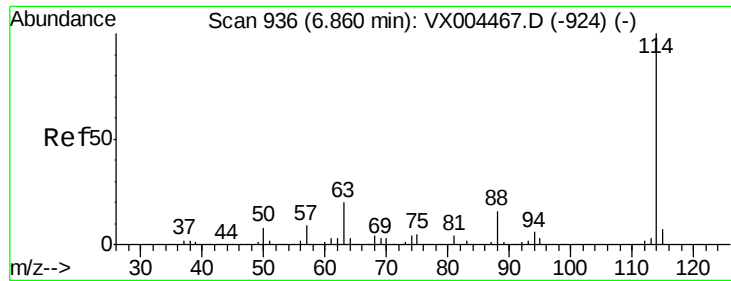
#33
1,2-Dichloroethane-d4
Concen: 56.62 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX004558.D
Acq: 15 Sep 2018 02:43

Tgt Ion: 65 Resp: 173090
Ion Ratio Lower Upper
65 100
67 54.0 0.0 106.8



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

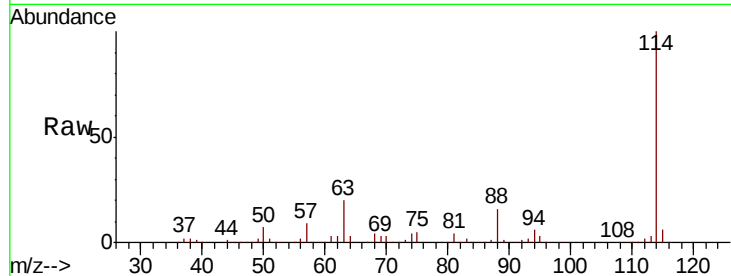




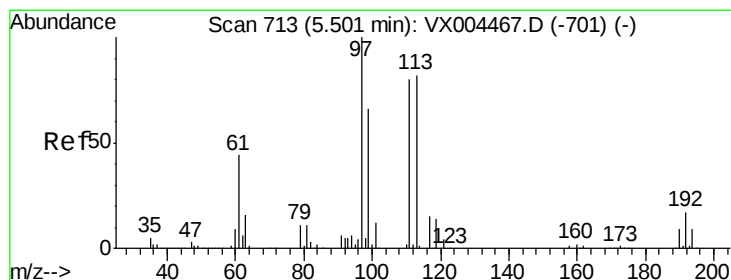
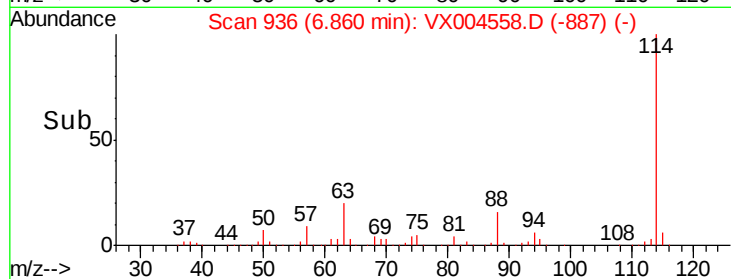
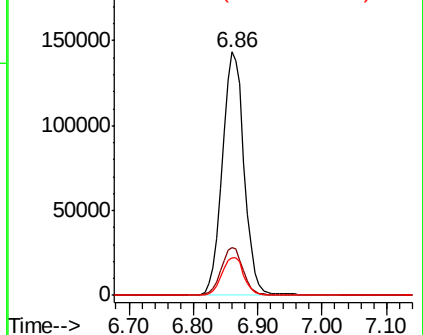
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004558.D
 Acq: 15 Sep 2018 02:43

Instrument :
 MSVOA_X
 ClientSampleId :
 LCTB01-180913

Tot Ion:114 Resp: 344563
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.5 0.0 30.4

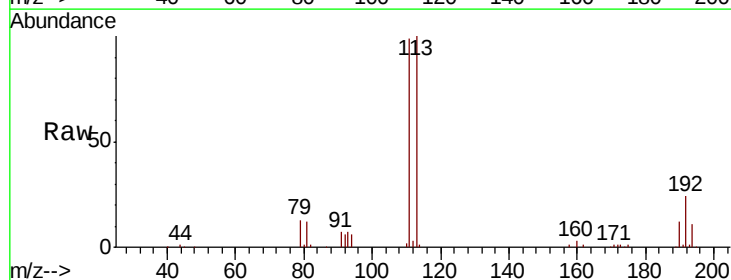


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

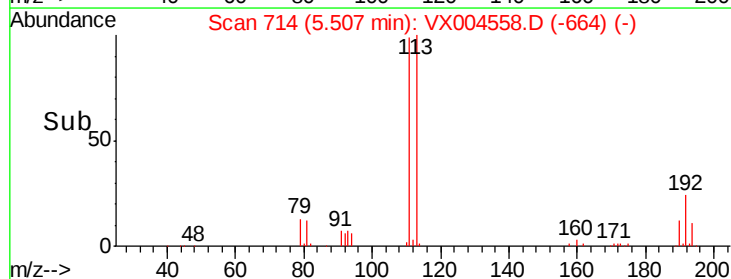
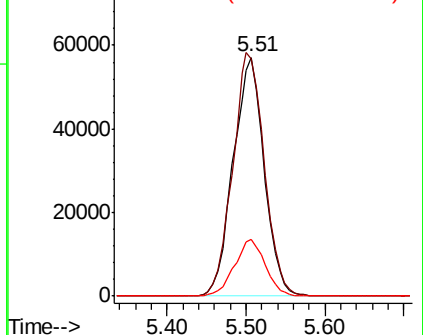


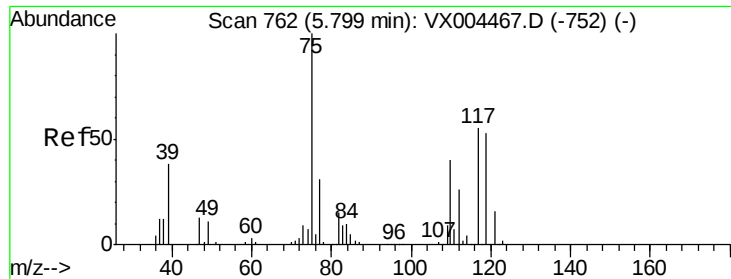
#35
 Dibromofluoromethane
 Concen: 49.49 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004558.D
 Acq: 15 Sep 2018 02:43

Tgt Ion:113 Resp: 156042
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.4 123.6
 192 23.6 19.4 29.2



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

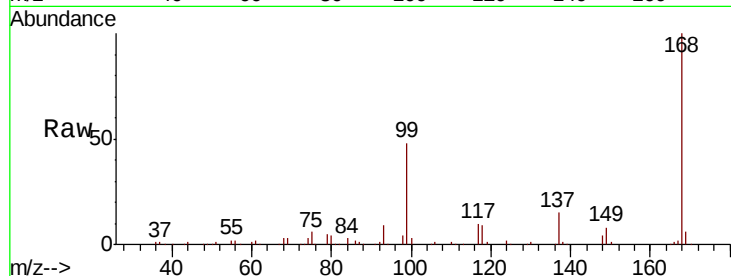




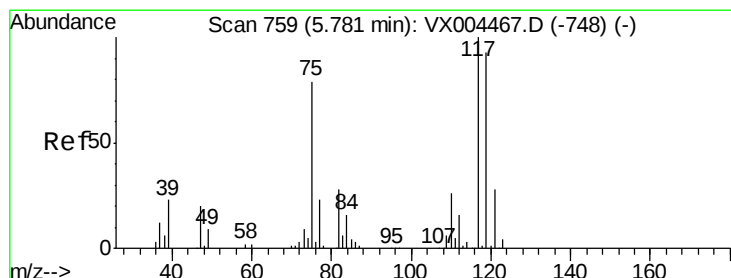
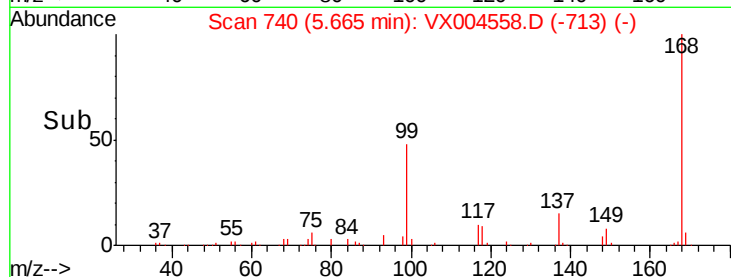
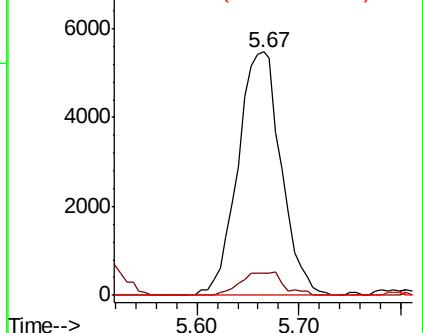
#36
 1,1-Dichloropropene
 Concen: 3.86 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004558.D
 Acq: 15 Sep 2018 02:43

Instrument :
 MSVOA_X
 ClientSampleId :
 LCTB01-180913

Tot Ion	75	Resp	16143
Ion Ratio	Lower	Upper	
75	100		
110	9.4	18.0	54.0#
77	0.0	24.6	36.8#

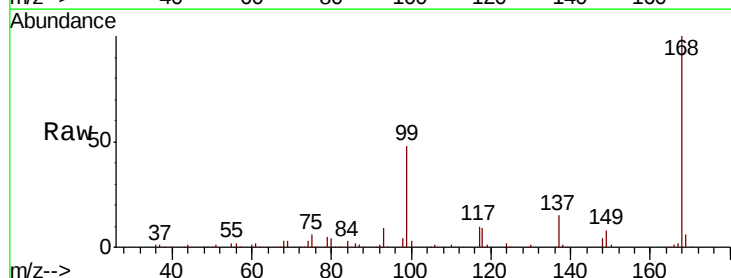


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

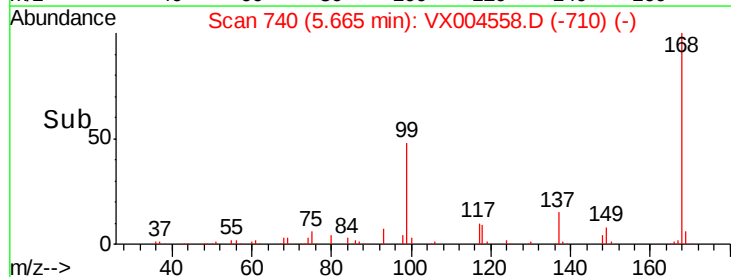
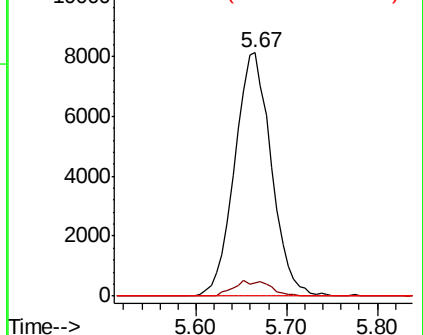


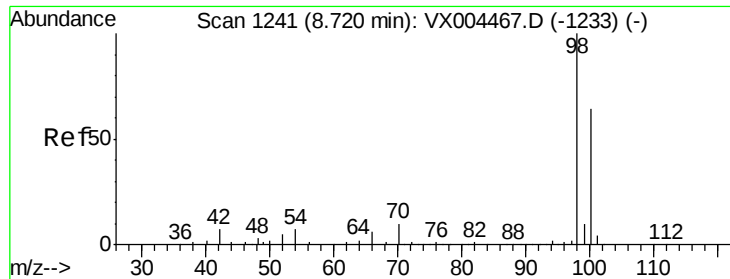
#38
 Carbon Tetrachloride
 Concen: 5.56 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX004558.D
 Acq: 15 Sep 2018 02:43

Tgt Ion	117	Resp	22733
Ion Ratio	Lower	Upper	
117	100		
119	5.4	78.8	118.2#
121	0.0	24.9	37.3#



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: 49.59 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004558.D

Acq: 15 Sep 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

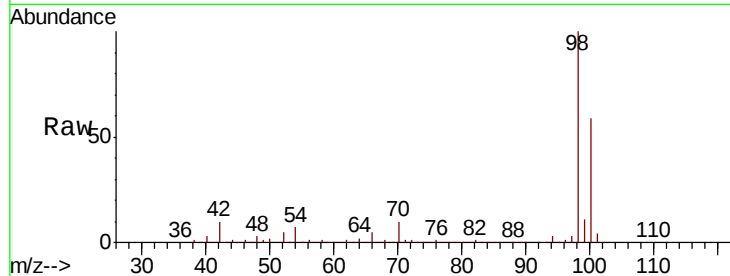
LCTB01-180913

Tot Ion: 98 Resp: 524326

Ion Ratio Lower Upper

98 100

100 63.6 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V>

8.72

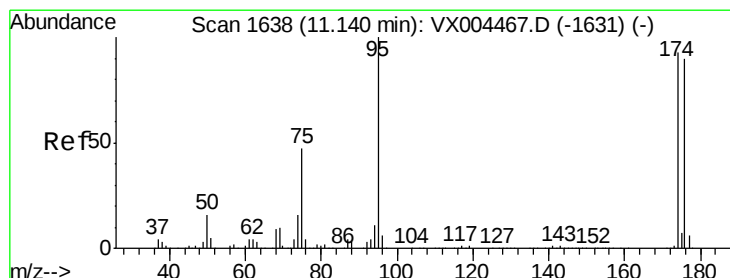
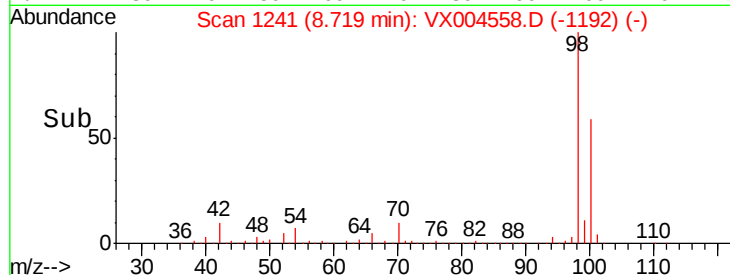
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.07 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004558.D

Acq: 15 Sep 2018 02:43

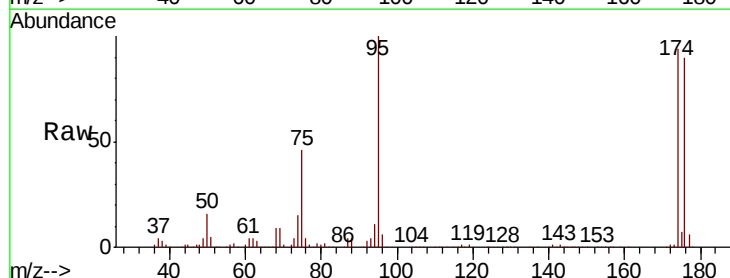
Tgt Ion: 95 Resp: 170126

Ion Ratio Lower Upper

95 100

174 92.1 0.0 185.2

176 89.0 0.0 178.6



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

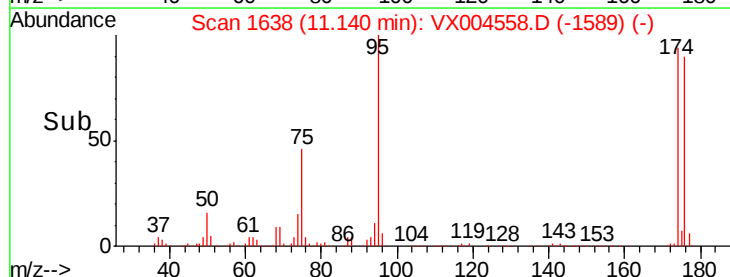
150000

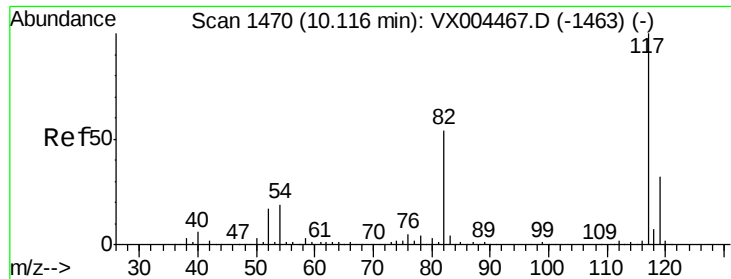
100000

50000

0

Time-->

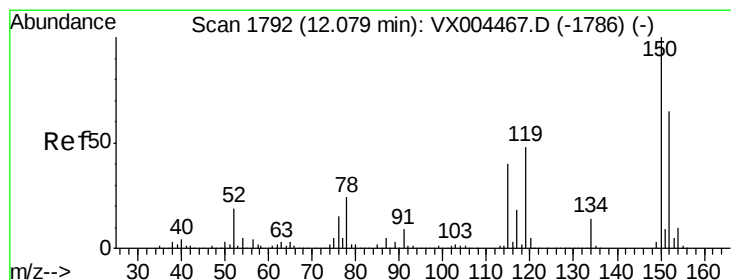
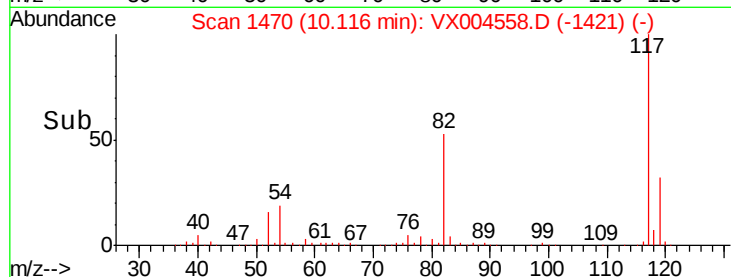
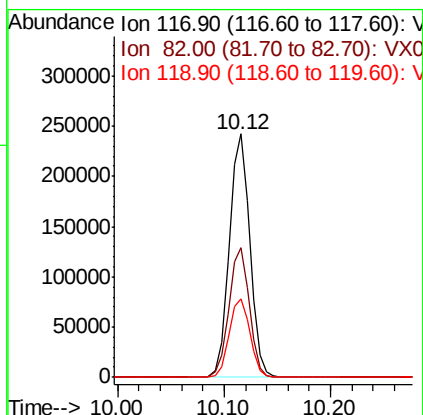
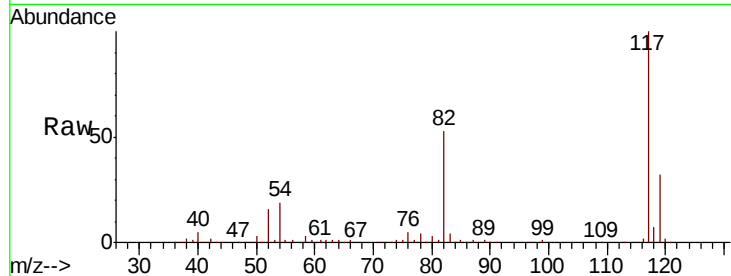




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004558.D
Acq: 15 Sep 2018 02:43

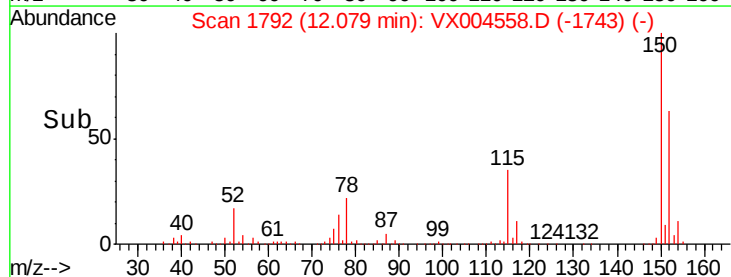
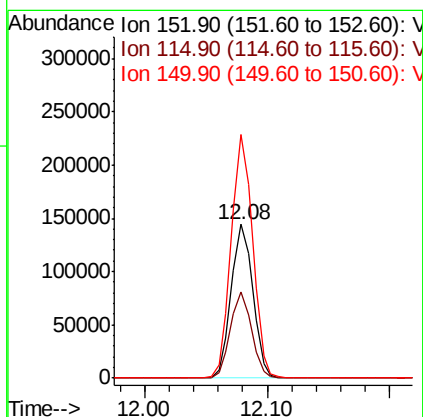
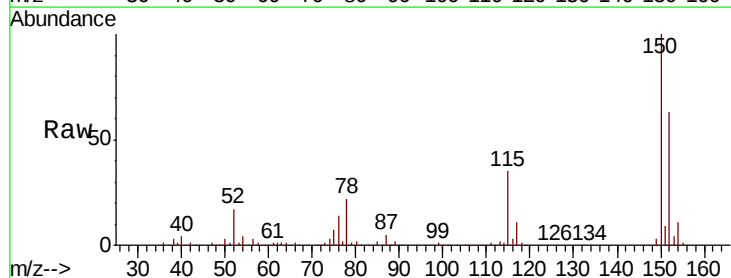
Instrument :
MSVOA_X
ClientSampleId :
LCTB01-180913

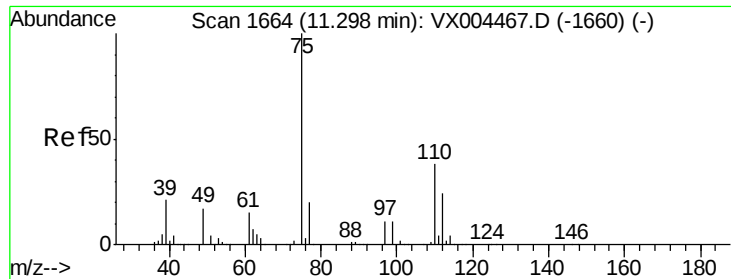
Tot Ion:117 Resp: 328345
Ion Ratio Lower Upper
117 100
82 53.2 47.8 71.6
119 32.4 29.3 43.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004558.D
Acq: 15 Sep 2018 02:43

Tgt Ion:152 Resp: 176113
Ion Ratio Lower Upper
152 100
115 55.0 39.0 117.0
150 157.1 0.0 351.0

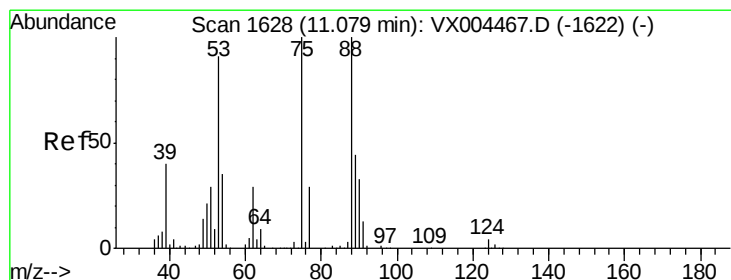
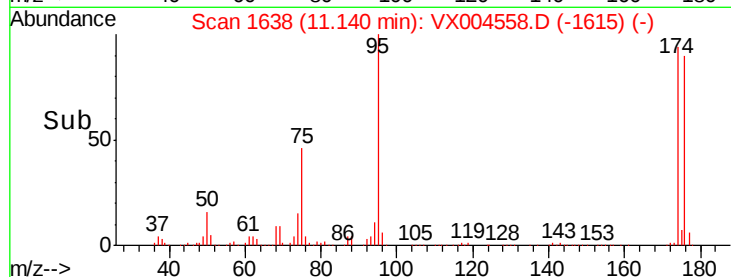
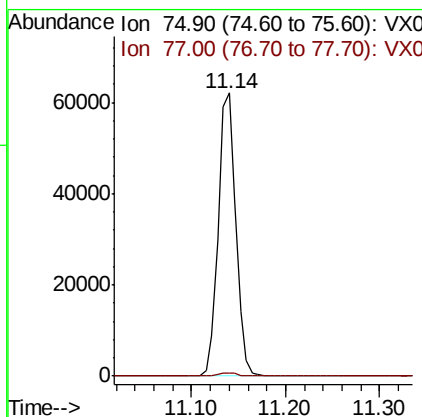
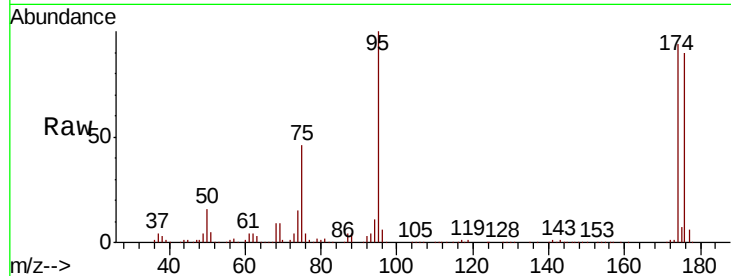




#76
 1,2,3-Trichloropropane
 Concen: 22.67 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004558.D
 Acq: 15 Sep 2018 02:43

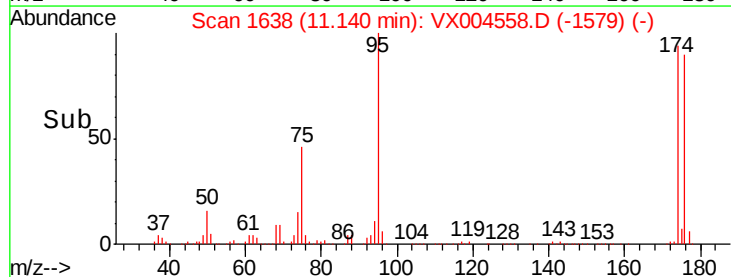
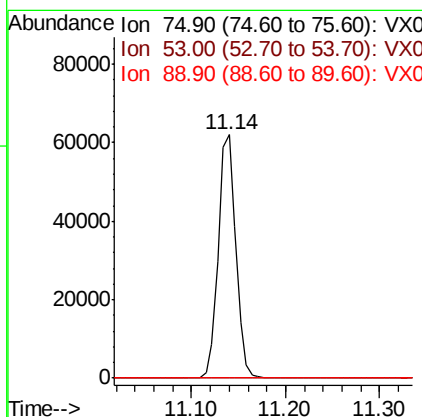
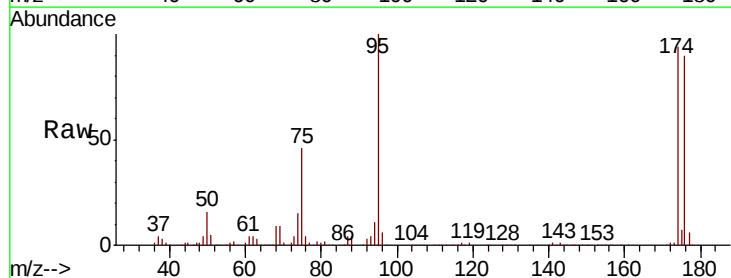
Instrument :
 MSVOA_X
 ClientSampleId :
 LCTB01-180913

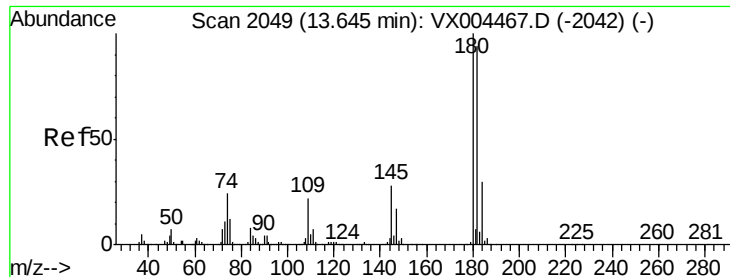
Tot Ion: 75 Resp: 80313
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.25 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004558.D
 Acq: 15 Sep 2018 02:43

Tgt Ion: 75 Resp: 80313
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.0 37.2 55.8#

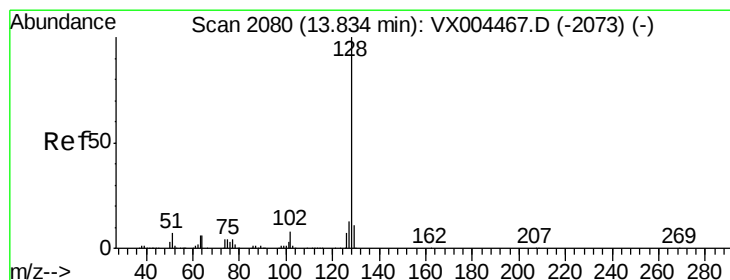
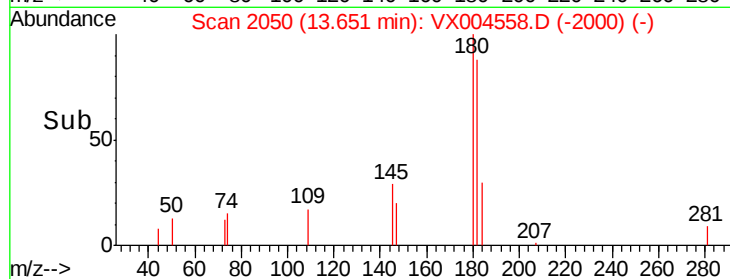
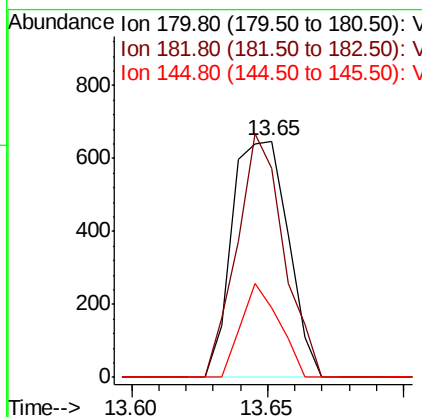
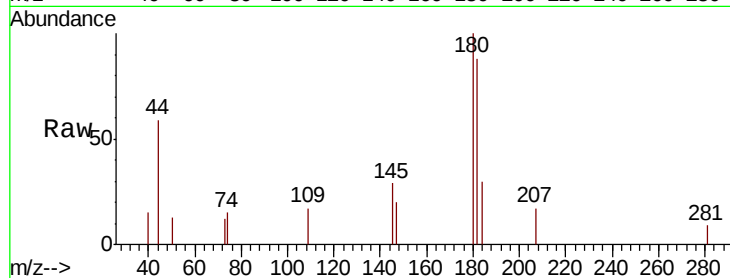




#93
 1,2,4-Trichlorobenzene
 Concen: 0.22 ug/l
 RT: 13.65 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: VX004558.D
 Acq: 15 Sep 2018 02:43

Instrument :
 MSVOA_X
 ClientSampleId :
 LCTB01-180913

Tot Ion	Ratio	Lower	Upper
180	100		
182	86.2	48.4	145.0
145	27.1	14.3	42.9



#95
 Naphthalene
 Concen: 0.23 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX004558.D
 Acq: 15 Sep 2018 02:43

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.9	10.2	15.2#
129	11.1	8.6	12.8

