

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070618\
 Data File : VX003226.D
 Acq On : 06 Jul 2018 21:33
 Operator : JC/MD
 Sample : J3754-08DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S10-0145DL

Quant Time: Jul 07 00:03:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	274212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	382946	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	361648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198663	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	175384	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
35) Dibromofluoromethane	5.51	113	146381	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
50) Toluene-d8	8.72	98	529424	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
62) 4-Bromofluorobenzene	11.14	95	189563	44.39	ug/l	0.00
Spiked Amount			Recovery	=	88.78%	

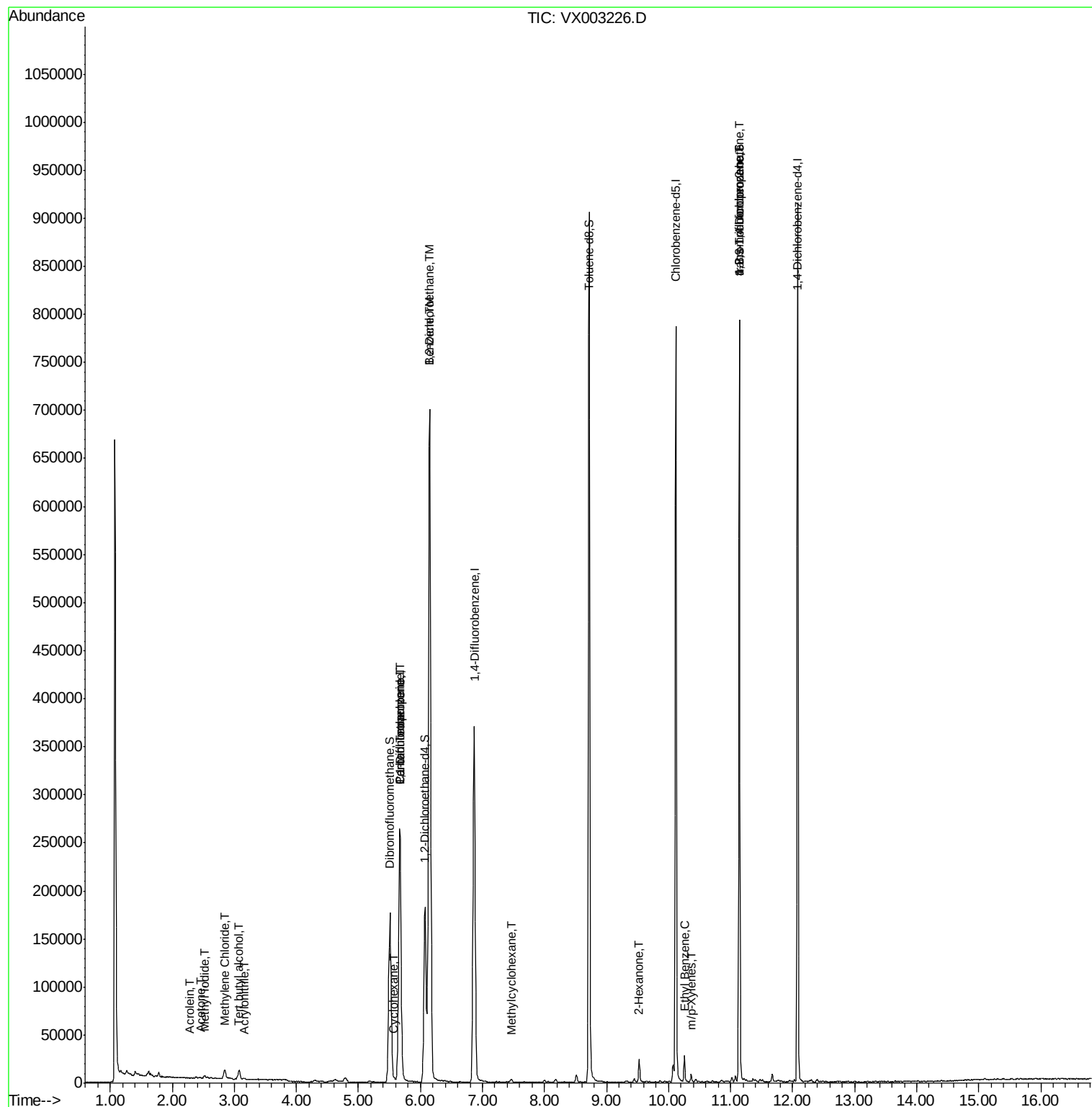
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	132	Below Cal	#	43
3) Chloromethane	1.32	50	860	Below Cal		100
5) Bromomethane	1.64	94	2374	Below Cal		94
6) Chloroethane	1.73	64	530	Below Cal		94
10) Methyl Iodide	2.52	142	3320	7.17	ug/l	99
11) Tert butyl alcohol	3.08	59	12590	16.67	ug/l #	94
13) Acrolein	2.29	56	140	4.56	ug/l #	14
15) Acrylonitrile	3.15	53	350	0.22	ug/l #	1
16) Acetone	2.45	43	1132	0.72	ug/l	98
20) Methylene Chloride	2.86	84	1426	0.47	ug/l	95
31) Cyclohexane	5.57	56	1696	0.36	ug/l #	92
36) 1,1-Dichloropropene	5.67	75	17270	4.11	ug/l #	50
38) Carbon Tetrachloride	5.67	117	23733	5.15	ug/l #	16
39) Methylcyclohexane	7.46	83	1171	0.24	ug/l #	85
40) Benzene	6.15	78	830372	68.05	ug/l	100
42) 1,2-Dichloroethane	6.15	62	7465	1.51	ug/l	78
59) 2-Hexanone	9.52	43	1519	0.42	ug/l	87
67) Ethyl Benzene	10.26	91	14702	0.97	ug/l	99
68) m/p-Xylenes	10.37	106	1625	0.28	ug/l	93
76) 1,2,3-Trichloropropane	11.14	75	94243	26.19	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	94243	74.24	ug/l #	7

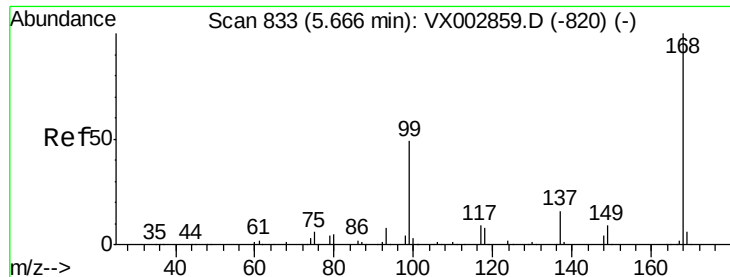
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003226.D

Acq: 06 Jul 2018 21:33

Instrument :

MSVOA_X

ClientSampled :

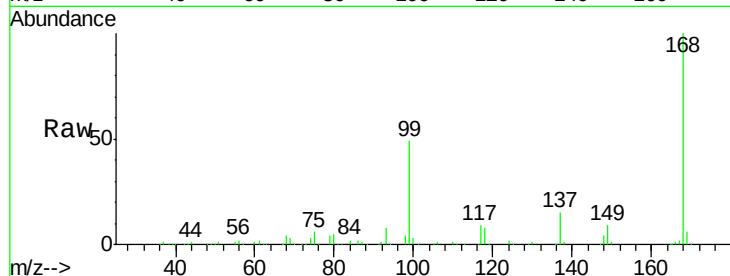
S10-0145DL

Tot Ion:168 Resp: 274212

Ion Ratio Lower Upper

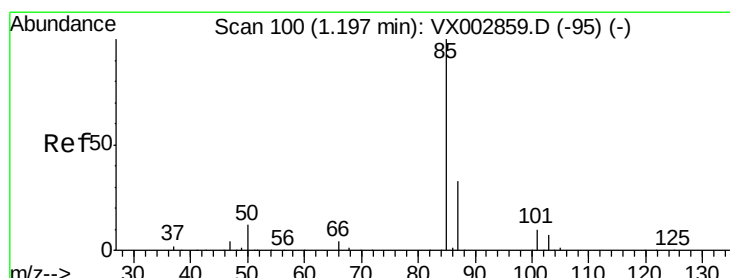
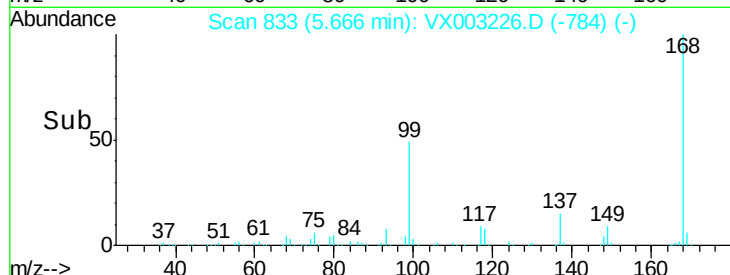
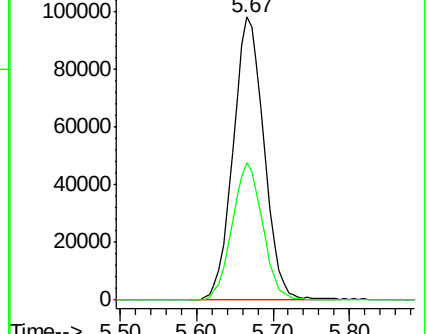
168 100

99 48.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX003226.D

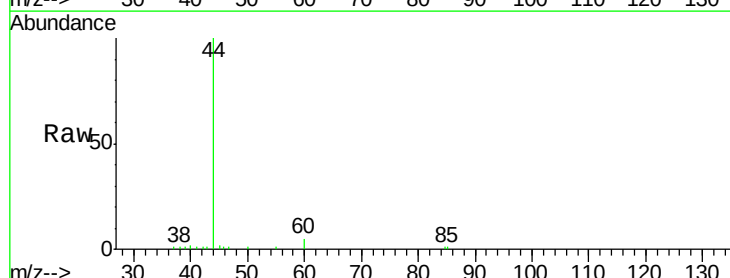
Acq: 06 Jul 2018 21:33

Tgt Ion: 85 Resp: 132

Ion Ratio Lower Upper

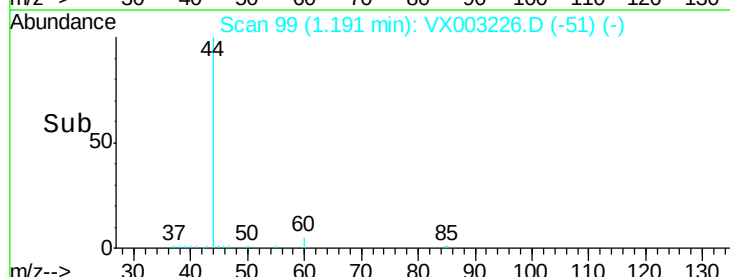
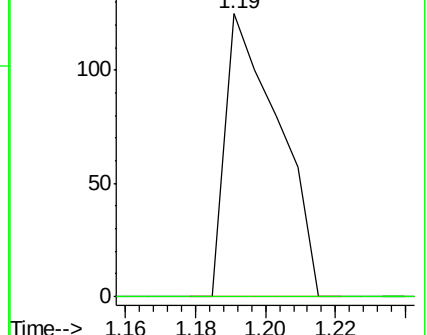
85 100

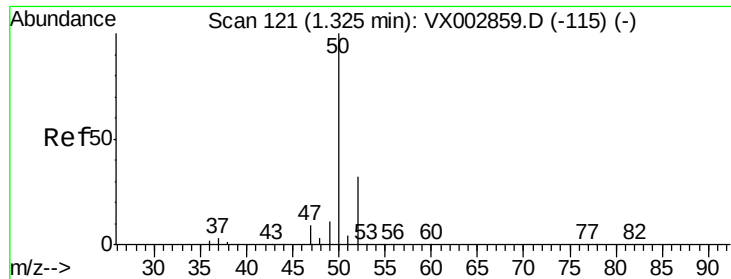
87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003226.D

Acq: 06 Jul 2018 21:33

Instrument :

MSVOA_X

ClientSampled :

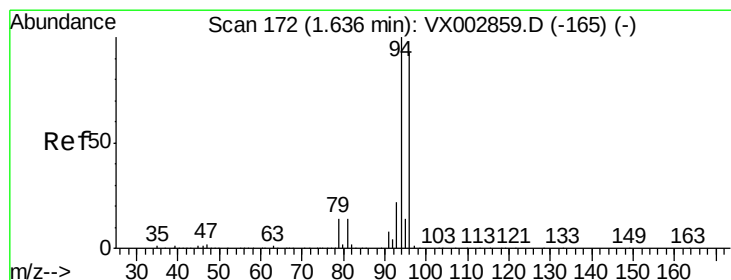
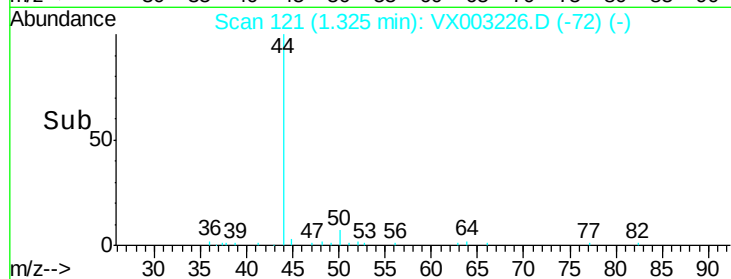
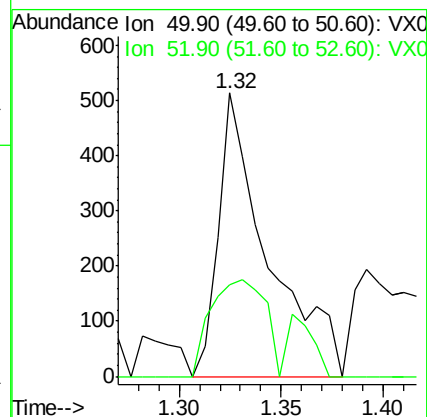
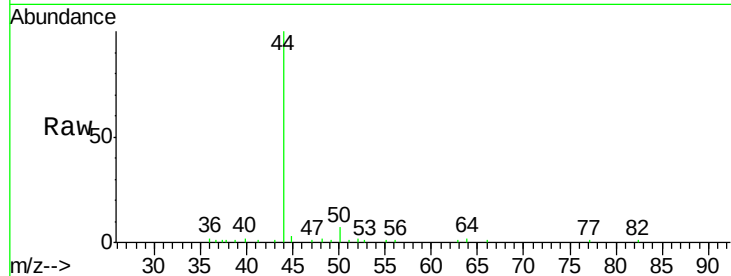
S10-0145DL

Tot Ion: 50 Resp: 860

Ion Ratio Lower Upper

50 100

52 32.4 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003226.D

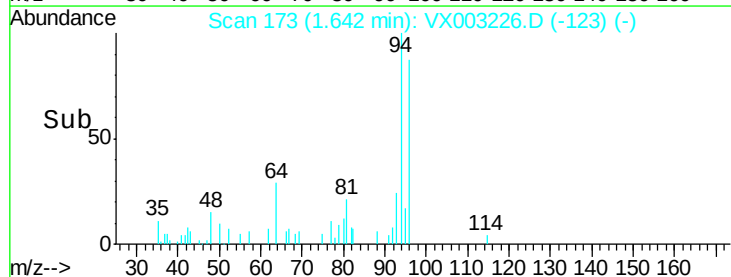
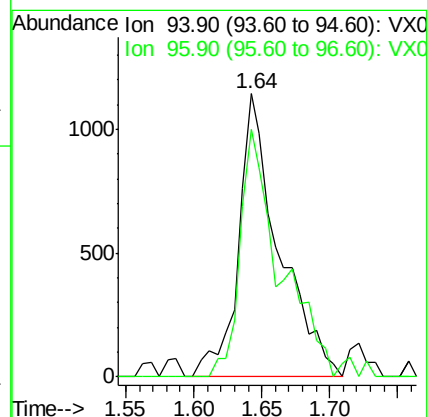
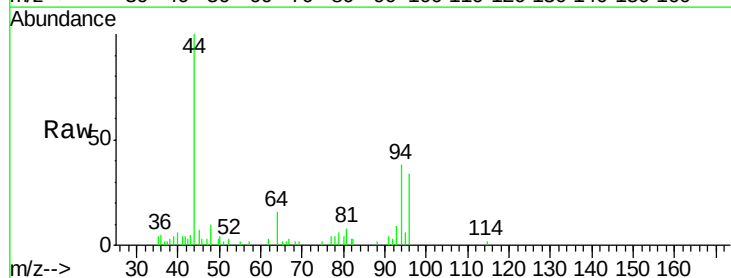
Acq: 06 Jul 2018 21:33

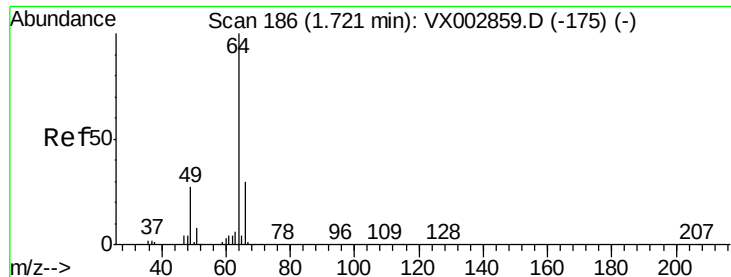
Tgt Ion: 94 Resp: 2374

Ion Ratio Lower Upper

94 100

96 87.4 74.9 112.3





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX003226.D

Acq: 06 Jul 2018 21:33

Instrument :

MSVOA_X

ClientSampled :

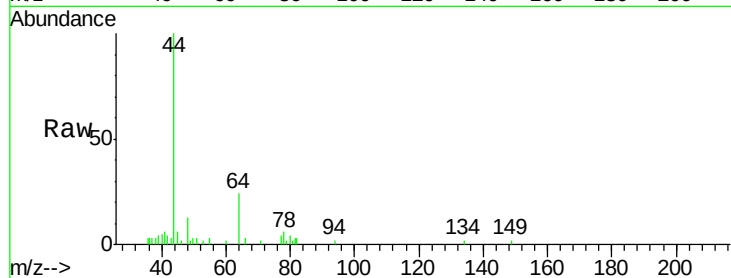
S10-0145DL

Tot Ion: 64 Resp: 530

Ion Ratio Lower Upper

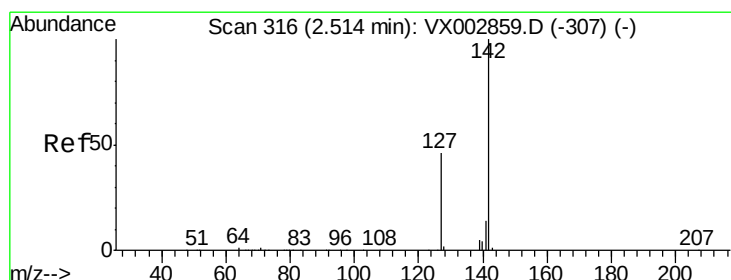
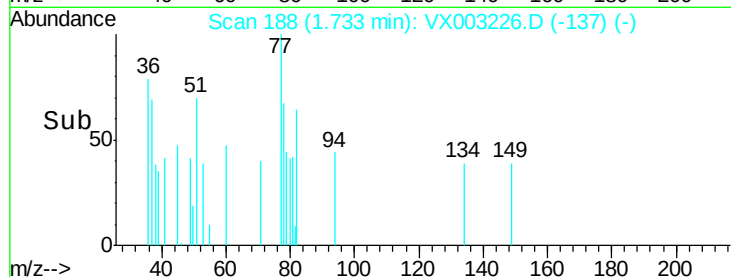
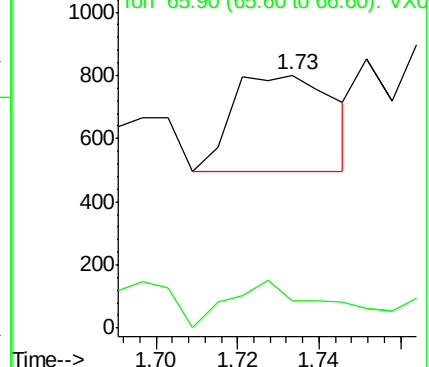
64 100

66 28.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 7.17 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003226.D

Acq: 06 Jul 2018 21:33

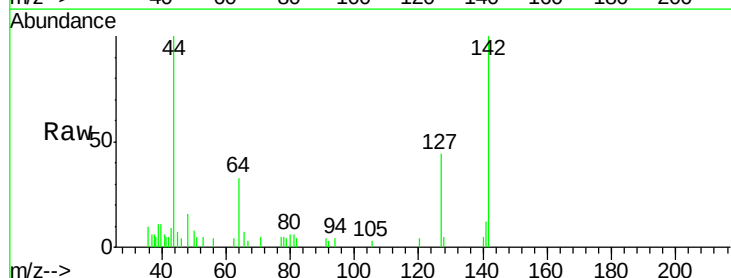
Tgt Ion: 142 Resp: 3320

Ion Ratio Lower Upper

142 100

127 46.2 36.6 55.0

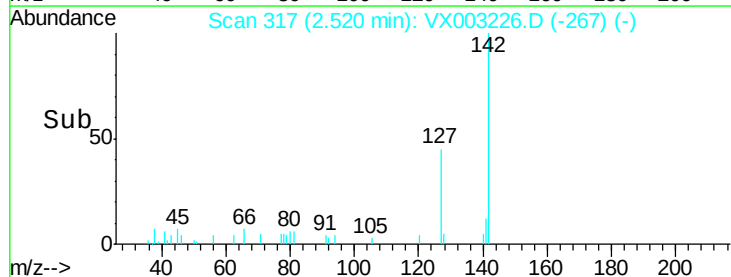
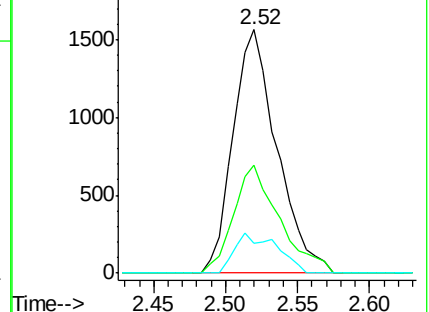
141 15.8 11.3 16.9

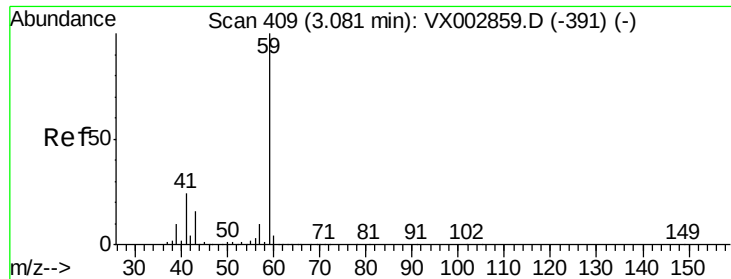


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

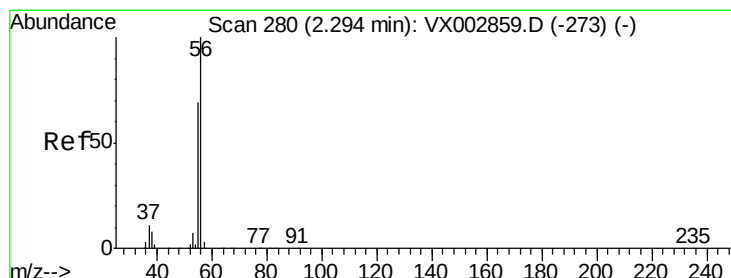
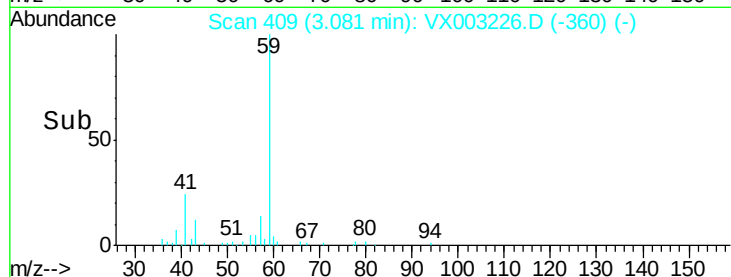
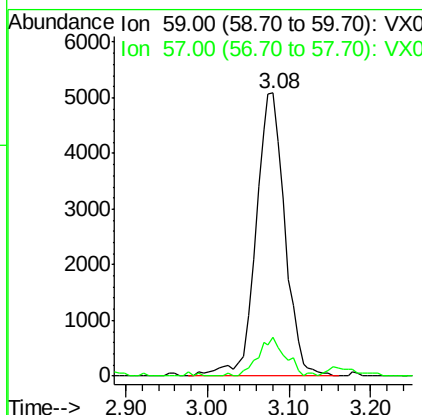
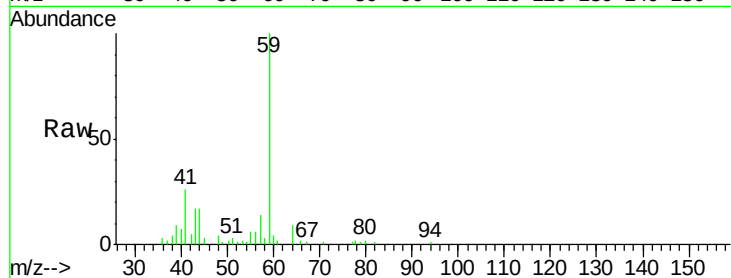




#11
Tert butyl alcohol
Concen: 16.67 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX003226.D
Acq: 06 Jul 2018 21:33

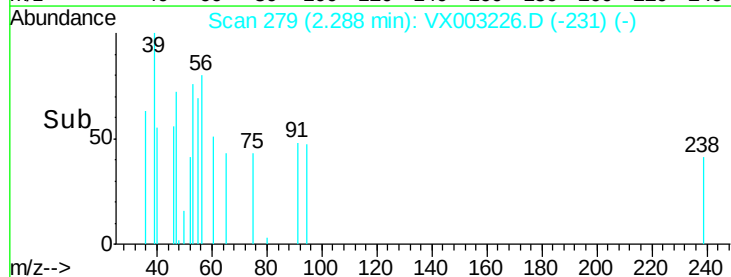
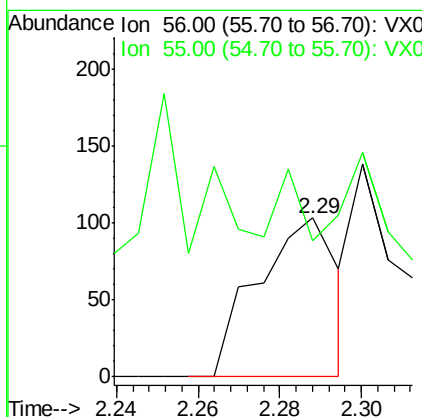
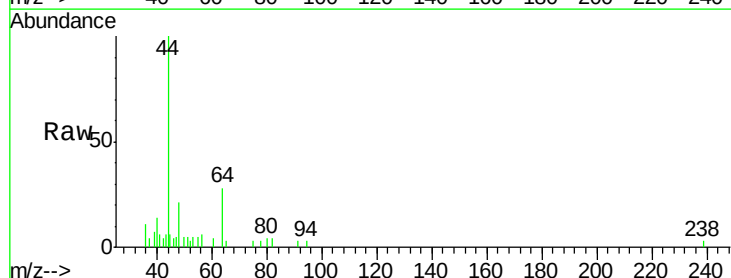
Instrument :
MSVOA_X
ClientSampled :
S10-0145DL

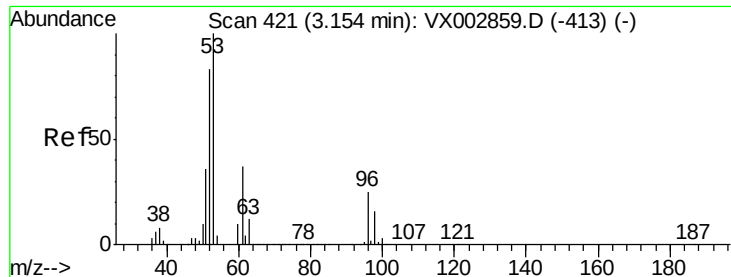
Tot Ion: 59 Resp: 12590
Ion Ratio Lower Upper
59 100
57 12.5 8.2 12.2#



#13
Acrolein
Concen: 4.56 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX003226.D
Acq: 06 Jul 2018 21:33

Tgt Ion: 56 Resp: 140
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#15

Acrylonitrile

Concen: 0.22 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003226.D

Acq: 06 Jul 2018 21:33

Instrument :

MSVOA_X

ClientSampled :

S10-0145DL

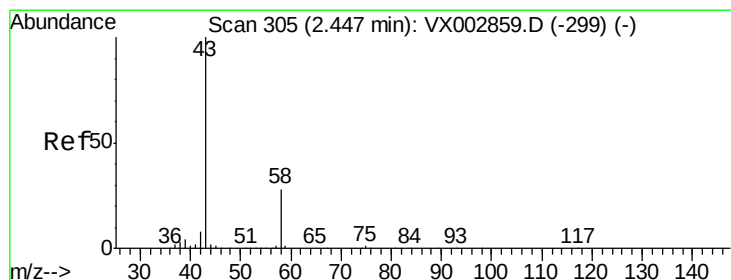
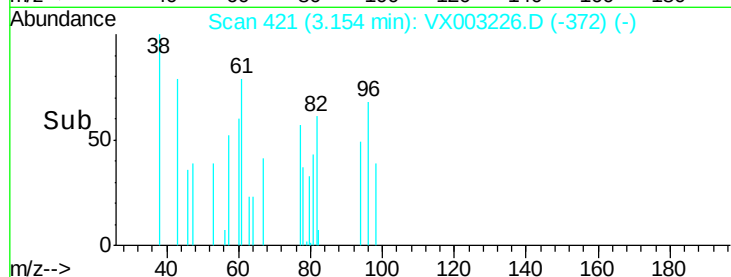
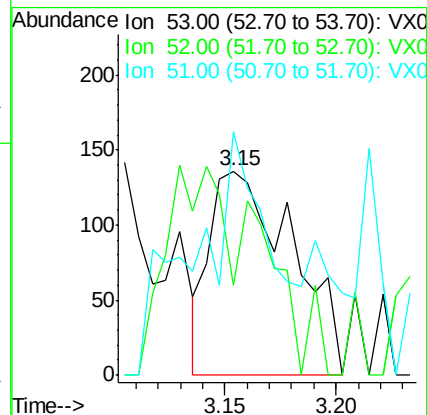
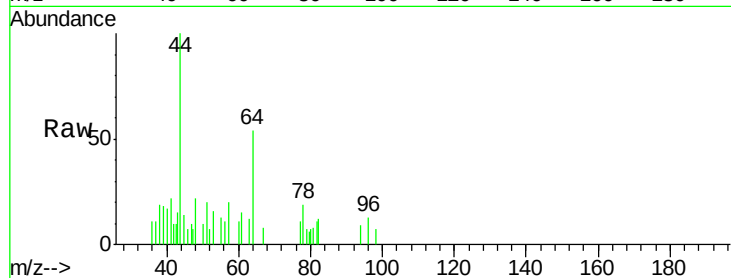
Tot Ion: 53 Resp: 350

Ion Ratio Lower Upper

53 100

52 0.0 66.7 100.1#

51 110.3 29.9 44.9#



#16

Acetone

Concen: 0.72 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003226.D

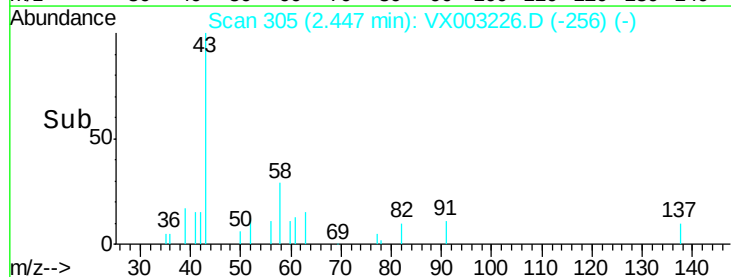
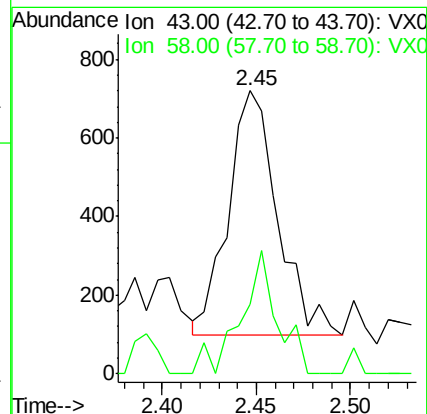
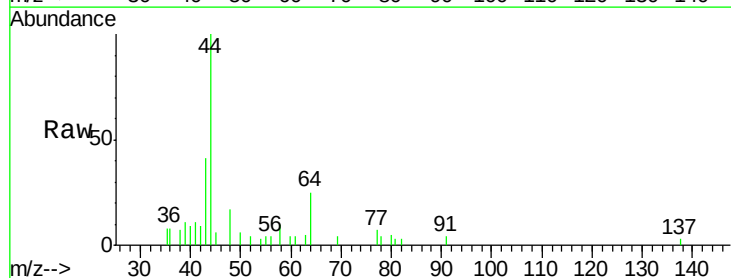
Acq: 06 Jul 2018 21:33

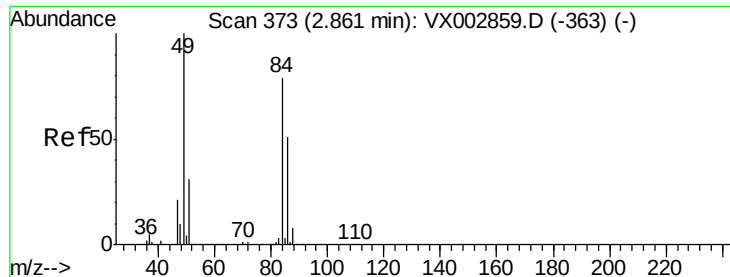
Tgt Ion: 43 Resp: 1132

Ion Ratio Lower Upper

43 100

58 28.4 22.1 33.1

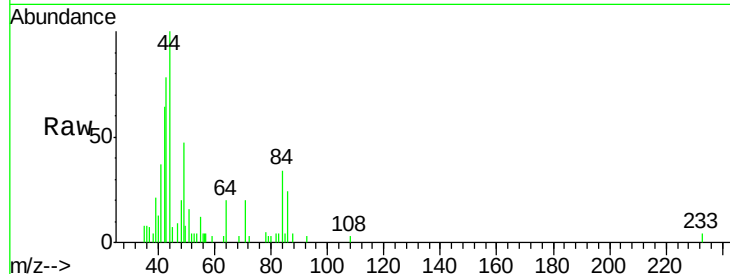




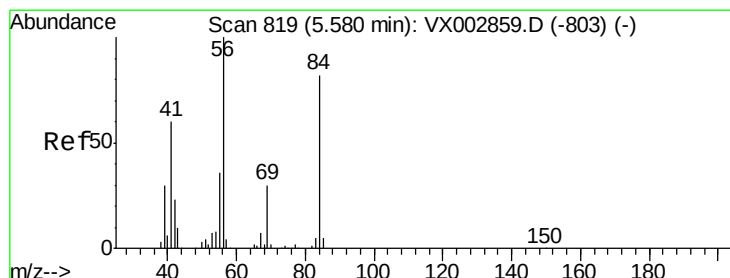
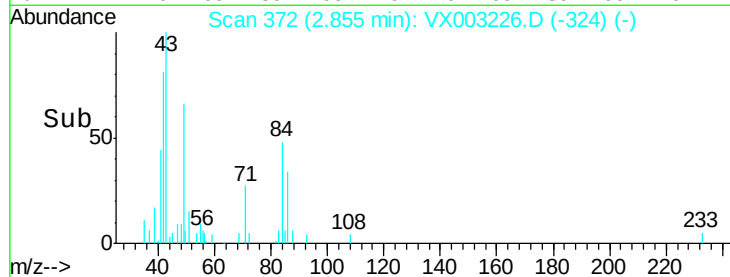
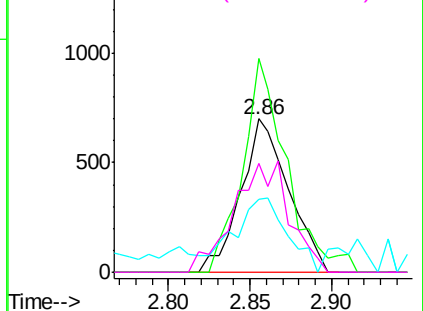
#20
Methylene Chloride
Concen: 0.47 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX003226.D
Acq: 06 Jul 2018 21:33

Instrument :
MSVOA_X
ClientSampled :
S10-0145DL

Tot Ion: 84 Resp: 1426
Ion Ratio Lower Upper
84 100
49 139.3 107.8 161.6
51 36.3 32.8 49.2
86 71.1 52.5 78.7

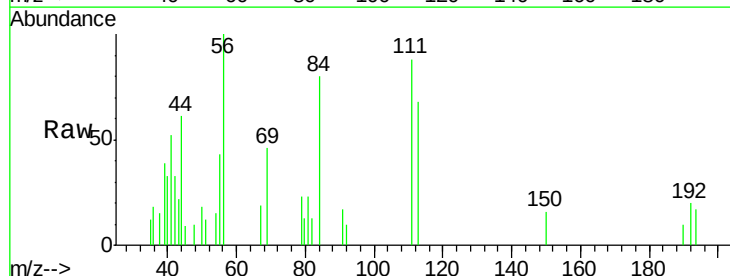


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

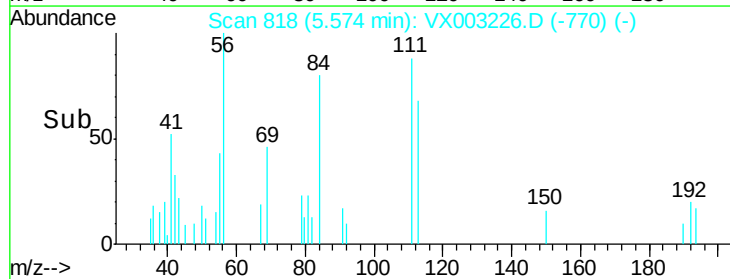
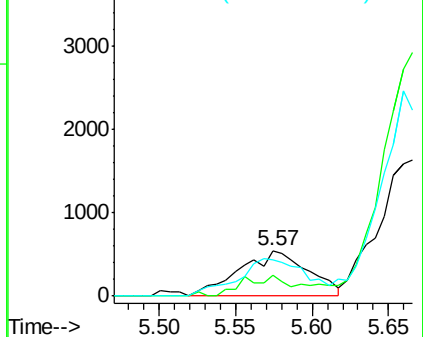


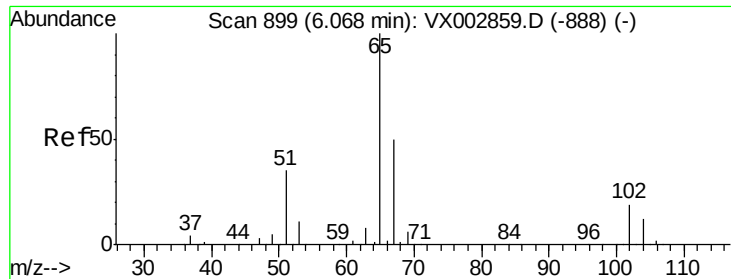
#31
Cyclohexane
Concen: 0.36 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX003226.D
Acq: 06 Jul 2018 21:33

Tgt Ion: 56 Resp: 1696
Ion Ratio Lower Upper
56 100
69 46.5 23.7 35.5#
84 80.1 64.1 96.1



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

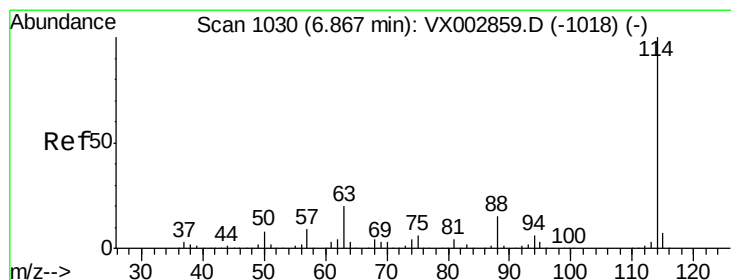
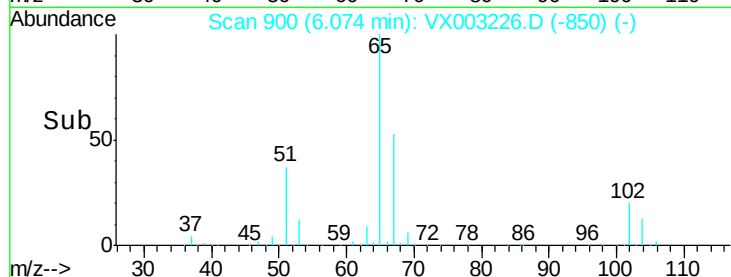
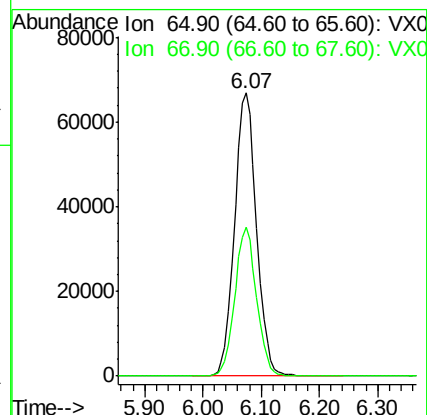
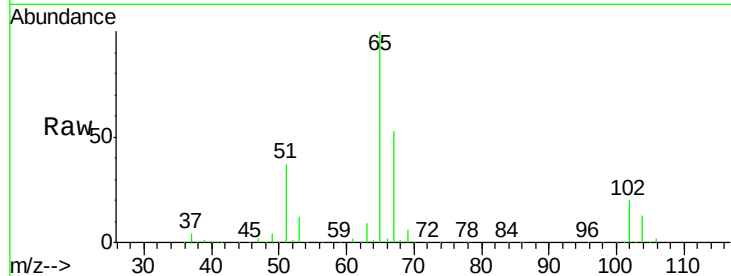




#33
 1,2-Dichloroethane-d4
 Concen: 46.27 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003226.D
 Acq: 06 Jul 2018 21:33

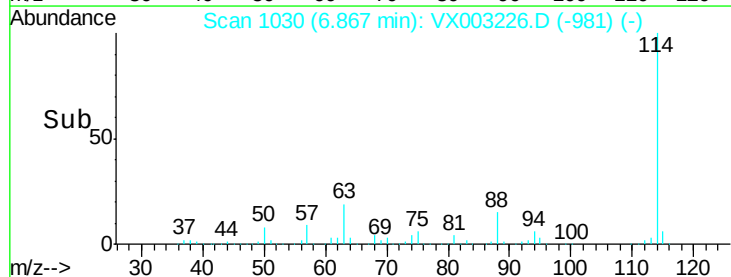
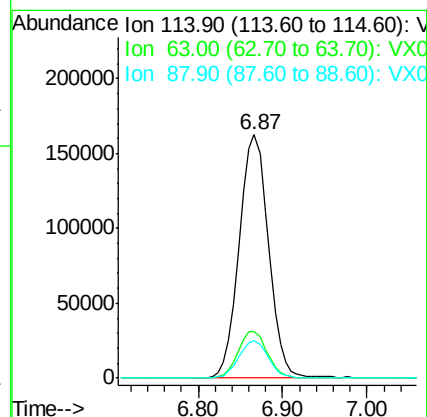
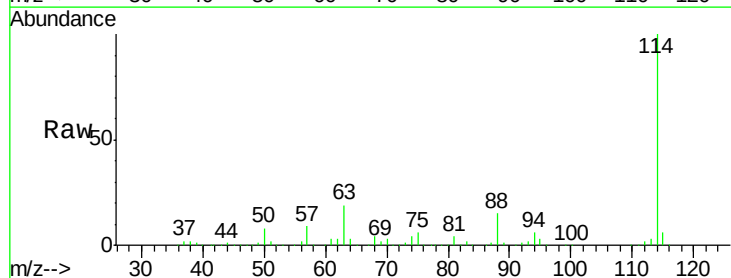
Instrument :
 MSVOA_X
 ClientSampleId :
 S10-0145DL

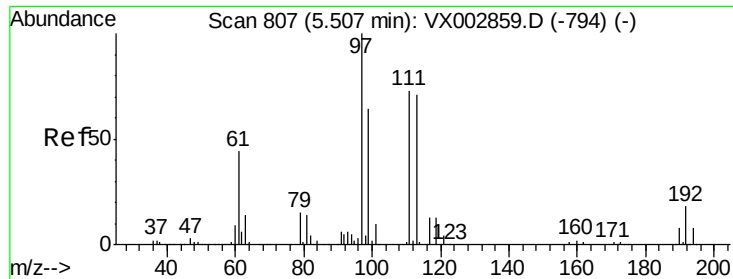
Tot Ion: 65 Resp: 175384
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003226.D
 Acq: 06 Jul 2018 21:33

Tgt Ion: 114 Resp: 382946
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 41.4
 88 15.4 0.0 30.0

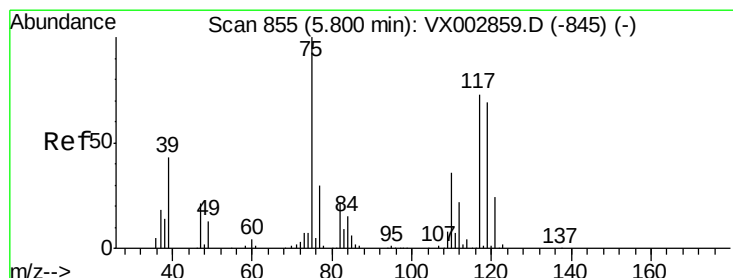
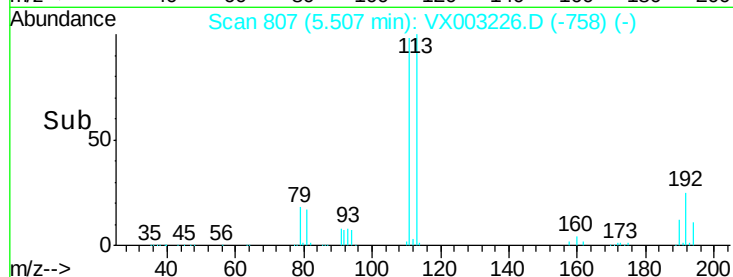
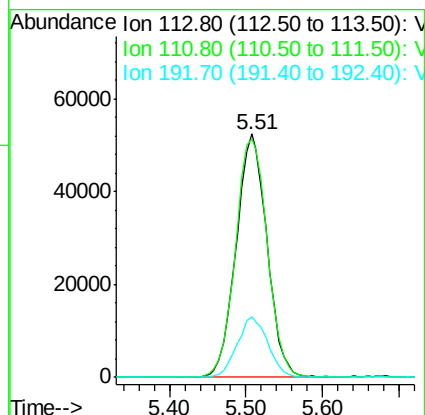
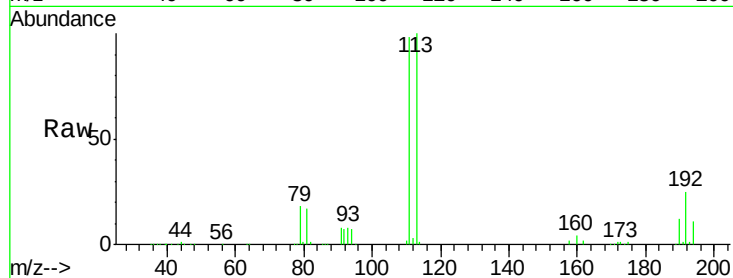




#35
 Dibromofluoromethane
 Concen: 48.27 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003226.D
 Acq: 06 Jul 2018 21:33

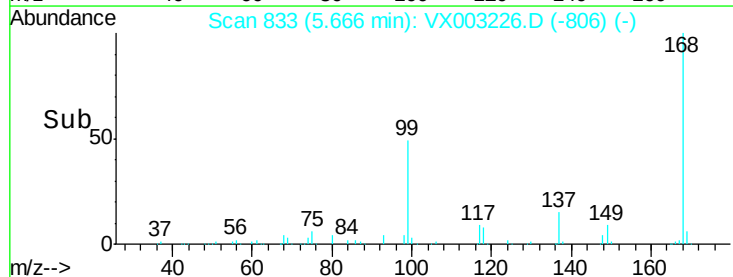
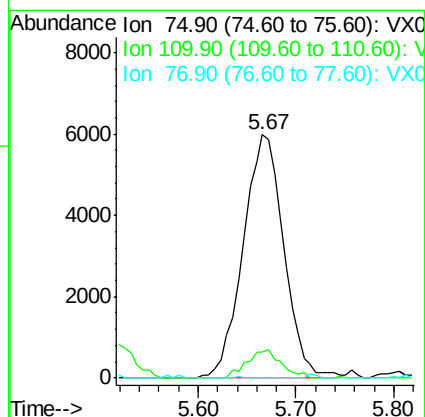
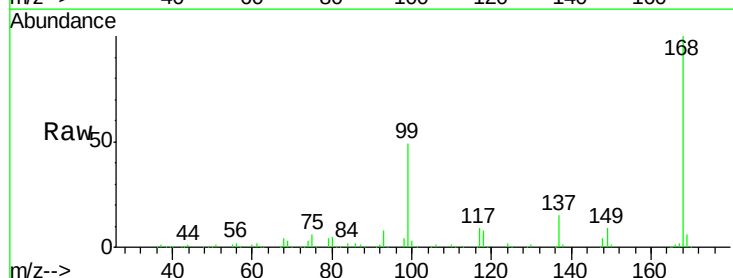
Instrument :
 MSVOA_X
 ClientSampled :
 S10-0145DL

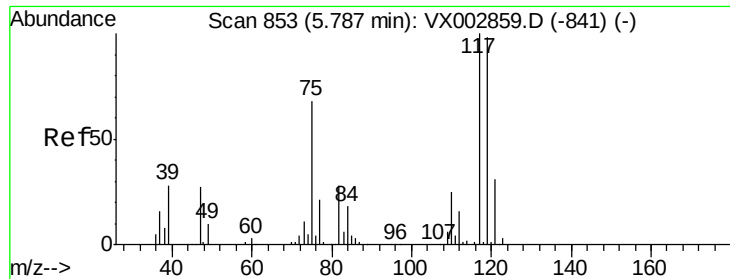
Tot Ion:113 Resp: 146381
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.4 122.0
 192 25.0 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.11 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003226.D
 Acq: 06 Jul 2018 21:33

Tgt Ion: 75 Resp: 17270
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.1 54.4#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.15 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003226.D

Acq: 06 Jul 2018 21:33

Instrument :

MSVOA_X

ClientSampled :

S10-0145DL

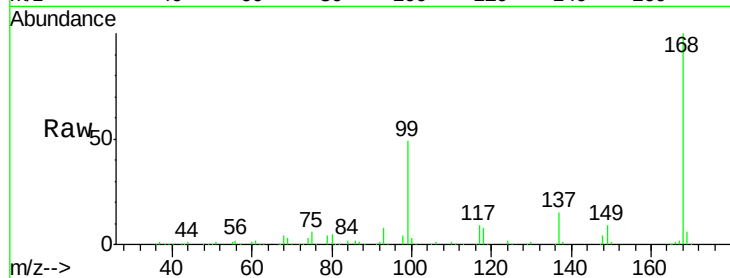
Tot Ion:117 Resp: 23733

Ion Ratio Lower Upper

117 100

119 5.3 77.4 116.0#

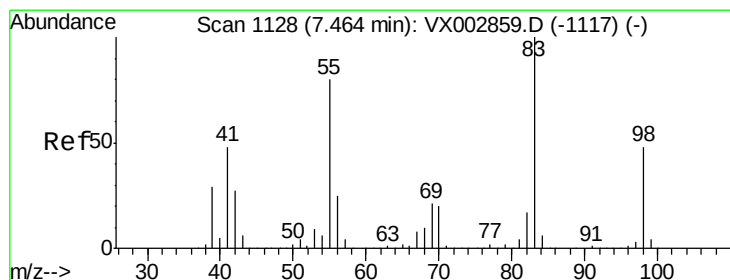
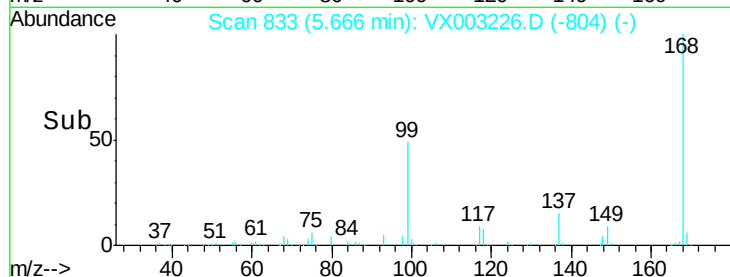
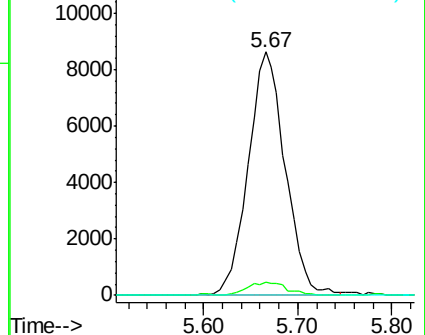
121 0.0 24.4 36.6#



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



#39

Methylcyclohexane

Concen: 0.24 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX003226.D

Acq: 06 Jul 2018 21:33

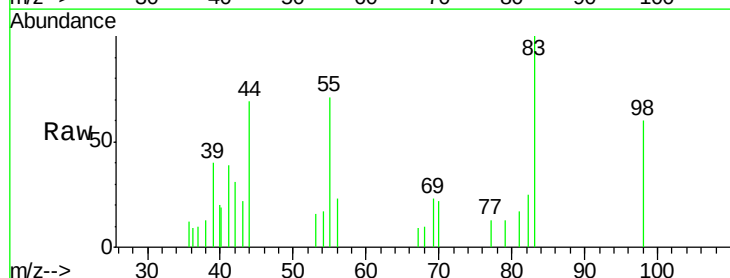
Tgt Ion: 83 Resp: 1171

Ion Ratio Lower Upper

83 100

55 71.0 65.4 98.0

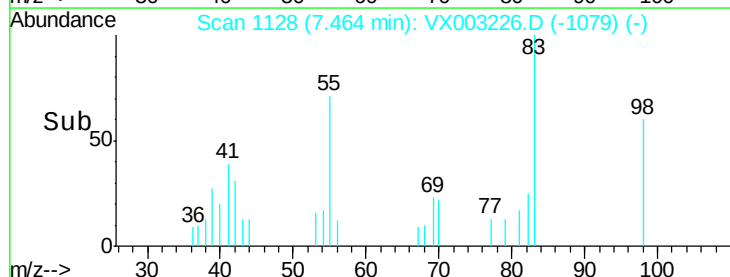
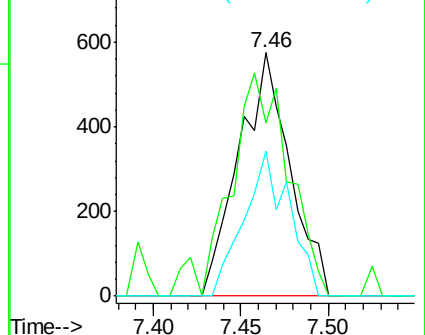
98 59.7 37.4 56.0#

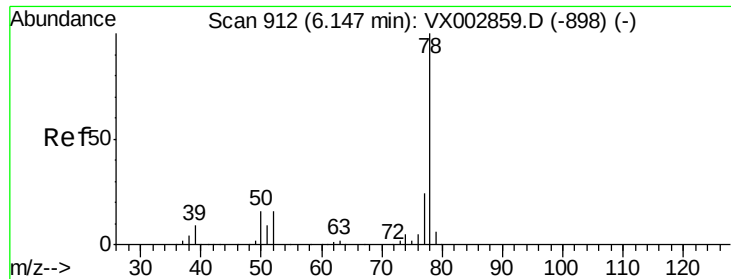


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 68.05 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.00 min

Lab File: VX003226.D

Acq: 06 Jul 2018 21:33

Instrument :

MSVOA_X

ClientSampled :

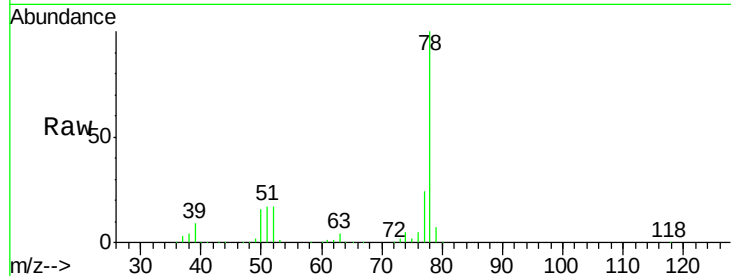
S10-0145DL

Tot Ion: 78 Resp: 830372

Ion Ratio Lower Upper

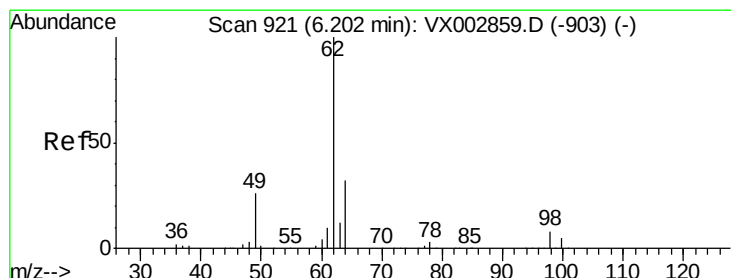
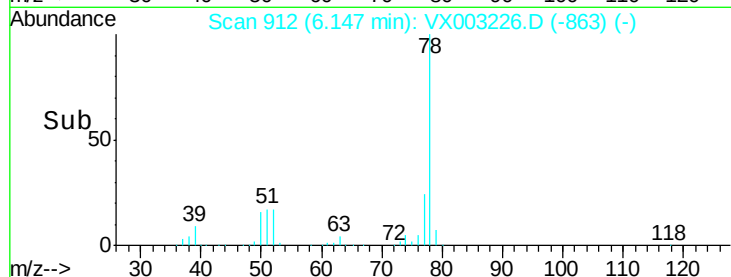
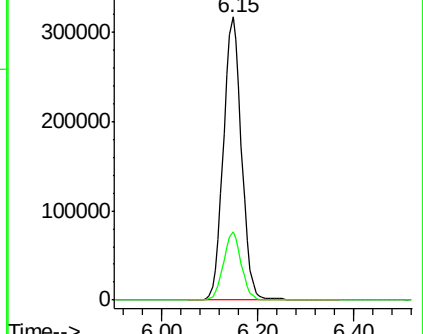
78 100

77 24.0 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#42

1,2-Dichloroethane

Concen: 1.51 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.05 min

Lab File: VX003226.D

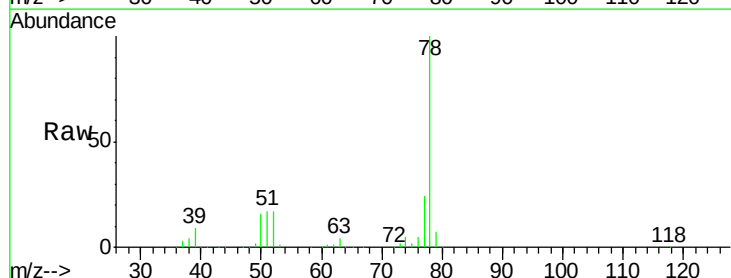
Acq: 06 Jul 2018 21:33

Tgt Ion: 62 Resp: 7465

Ion Ratio Lower Upper

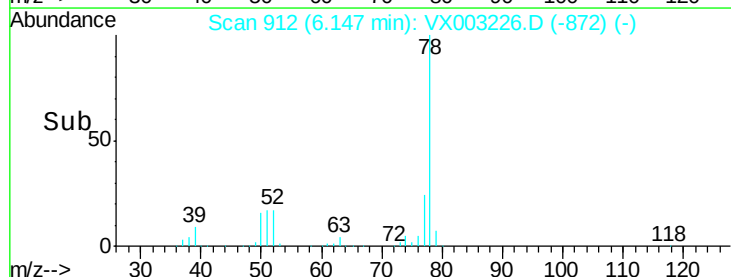
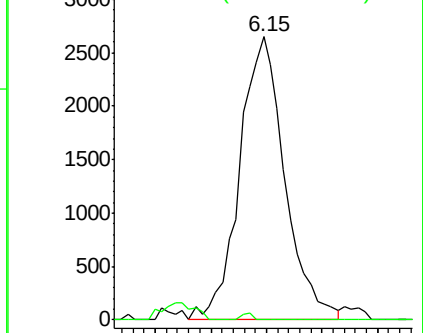
62 100

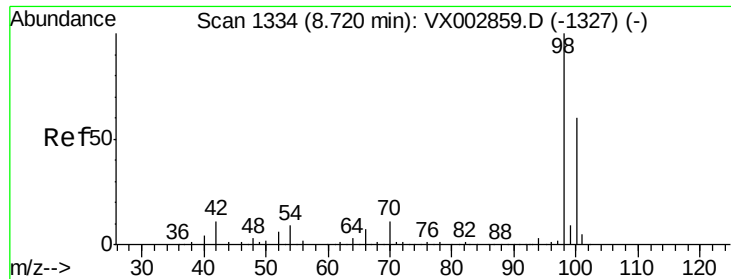
98 0.6 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#50

Toluene-d8

Concen: 47.81 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003226.D

Acq: 06 Jul 2018 21:33

Instrument :

MSVOA_X

ClientSampleId :

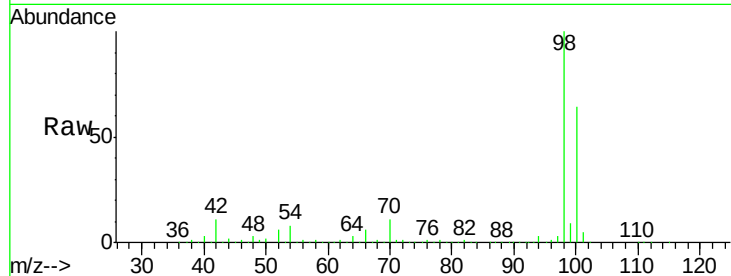
S10-0145DL

Tot Ion: 98 Resp: 529424

Ion Ratio Lower Upper

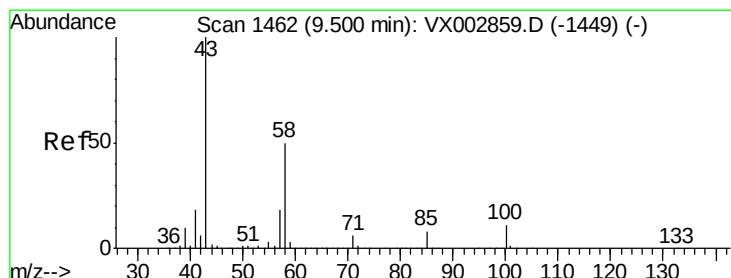
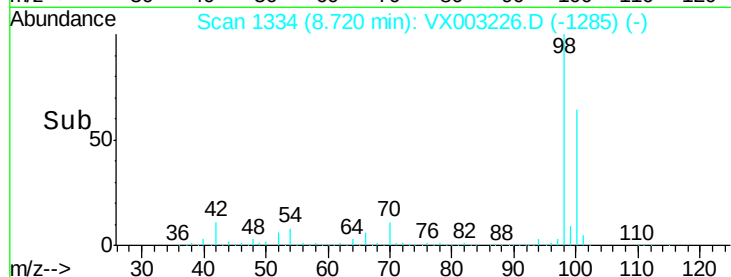
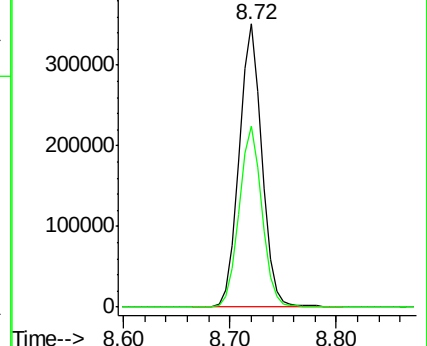
98 100

100 64.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#59

2-Hexanone

Concen: 0.42 ug/l

RT: 9.52 min Scan# 1466

Delta R.T. 0.02 min

Lab File: VX003226.D

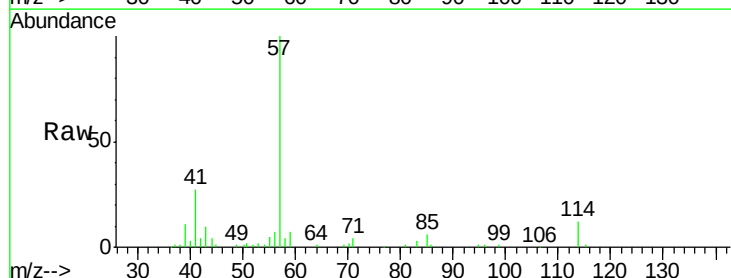
Acq: 06 Jul 2018 21:33

Tgt Ion: 43 Resp: 1519

Ion Ratio Lower Upper

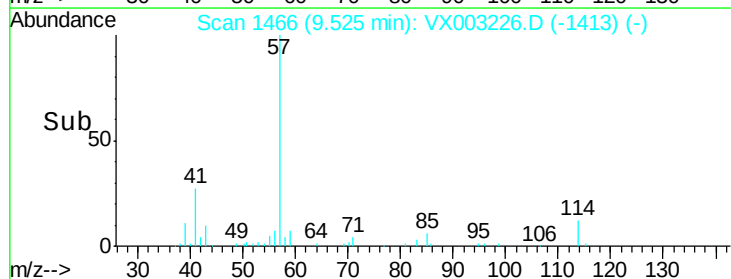
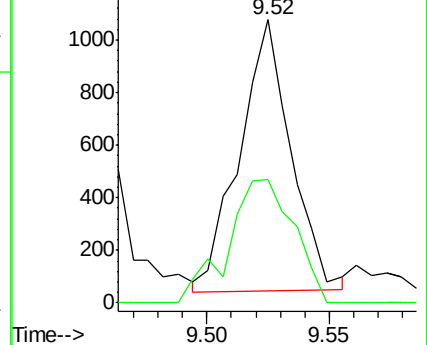
43 100

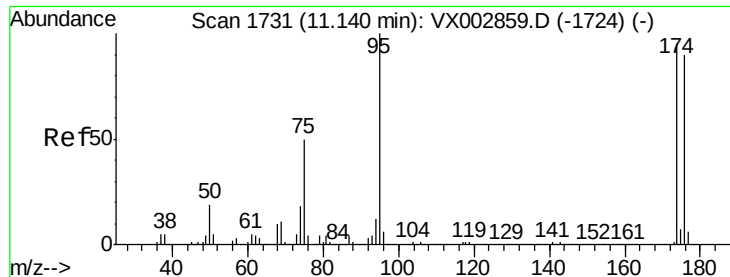
58 57.8 24.6 73.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

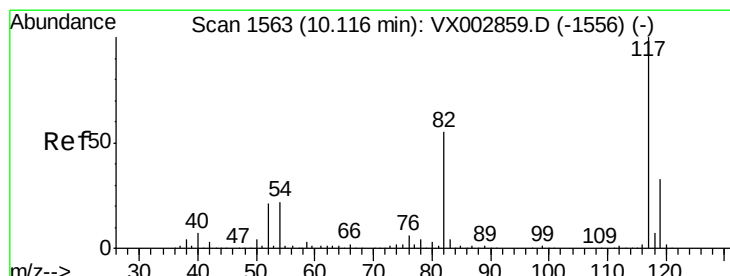
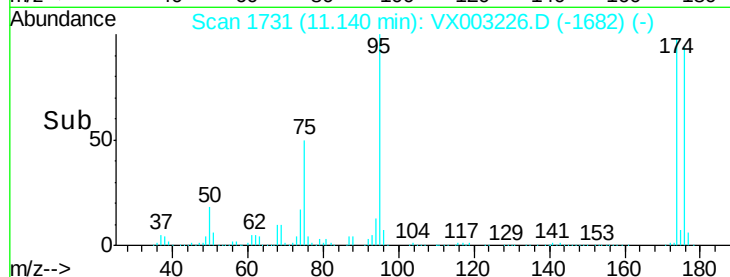
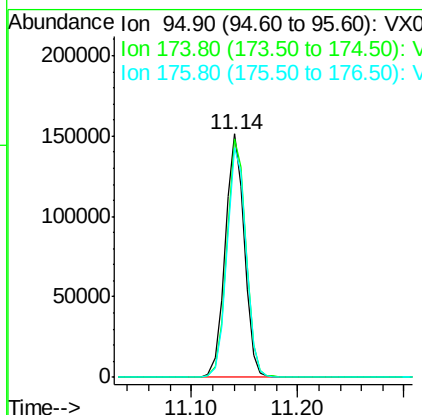
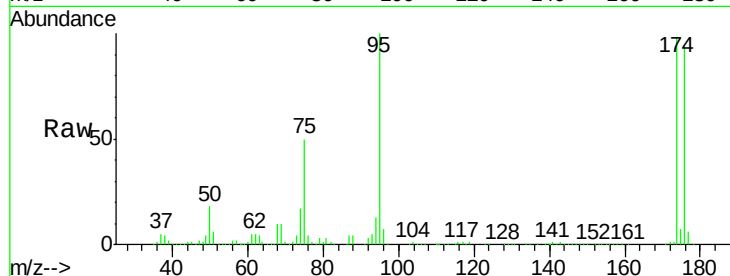




#62
4-Bromofluorobenzene
Concen: 44.39 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003226.D
Acq: 06 Jul 2018 21:33

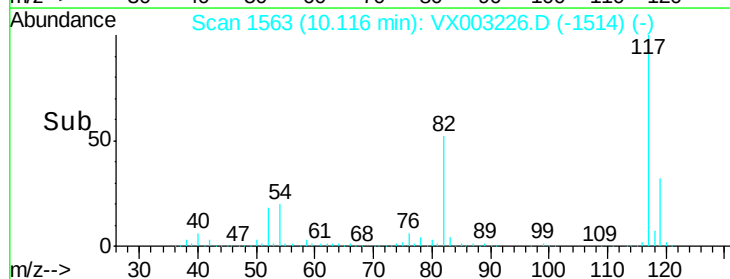
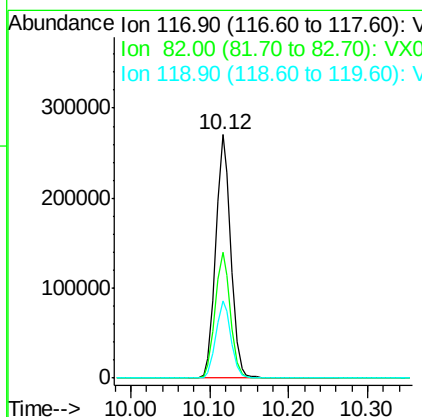
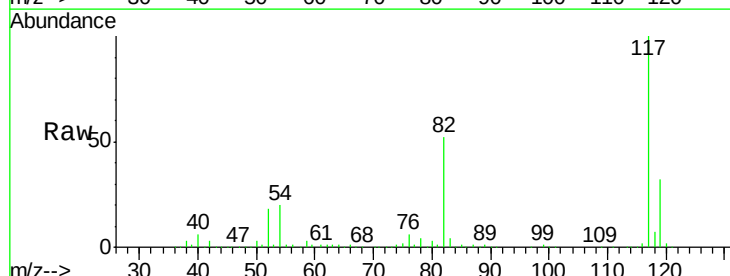
Instrument :
MSVOA_X
ClientSampled :
S10-0145DL

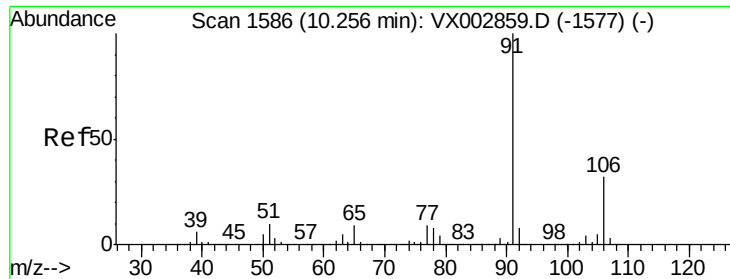
Tot Ion: 95 Resp: 189563
Ion Ratio Lower Upper
95 100
174 99.0 0.0 187.4
176 95.5 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003226.D
Acq: 06 Jul 2018 21:33

Tgt Ion: 117 Resp: 361648
Ion Ratio Lower Upper
117 100
82 51.8 45.0 67.4
119 31.9 25.8 38.6





#67

Ethyl Benzene

Concen: 0.97 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003226.D

Acq: 06 Jul 2018 21:33

Instrument :

MSVOA_X

ClientSampled :

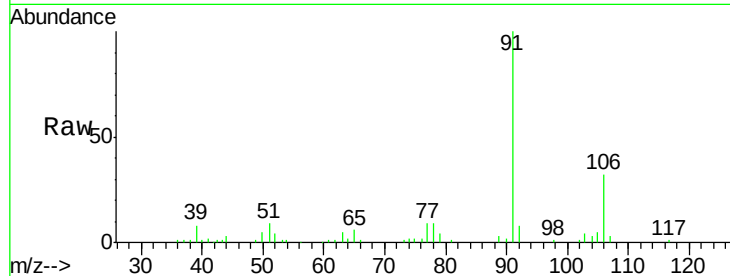
S10-0145DL

Tot Ion: 91 Resp: 14702

Ion Ratio Lower Upper

91 100

106 32.3 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

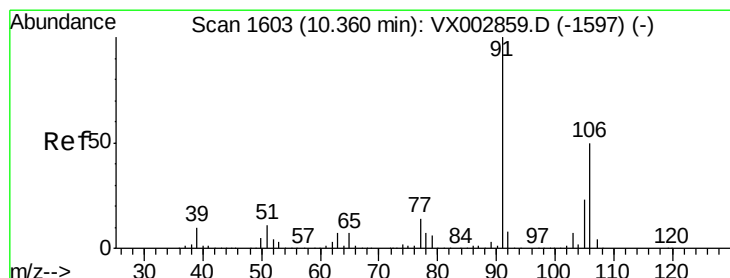
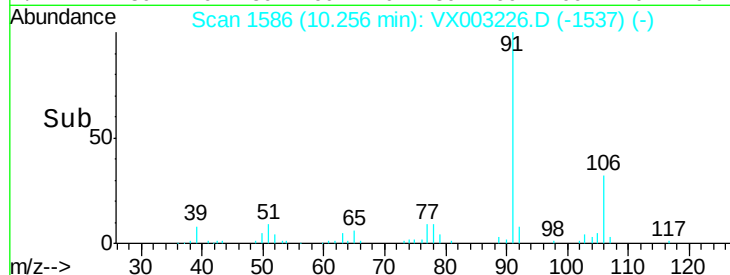
10.26

10000

5000

0

Time-->



#68

m/p-Xylenes

Concen: 0.28 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VX003226.D

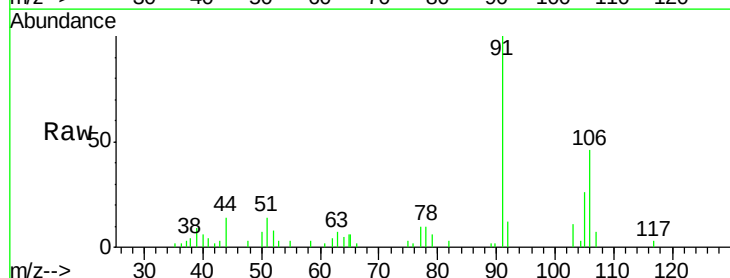
Acq: 06 Jul 2018 21:33

Tgt Ion: 106 Resp: 1625

Ion Ratio Lower Upper

106 100

91 215.6 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

10.37

3000

2500

2000

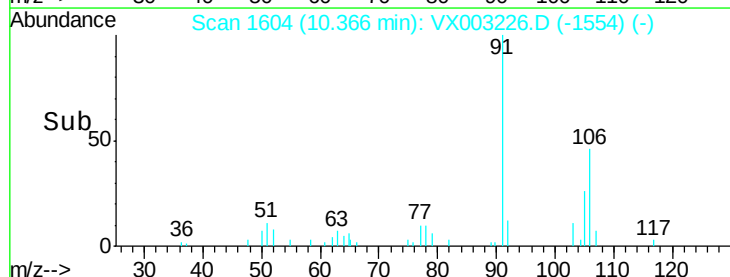
1500

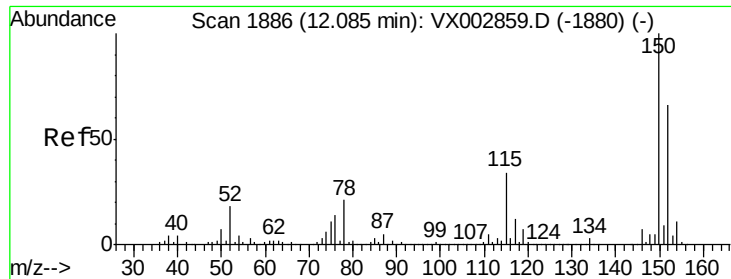
1000

500

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003226.D

Acq: 06 Jul 2018 21:33

Instrument :

MSVOA_X

ClientSampleID :

S10-0145DL

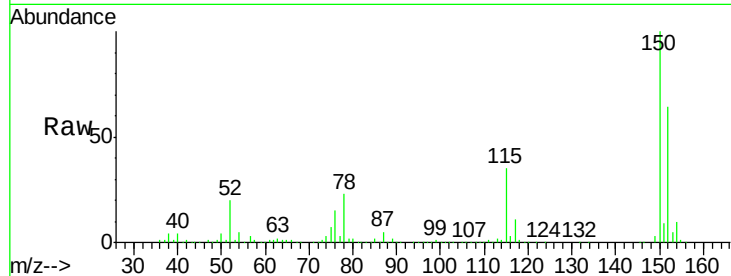
Tot Ion:152 Resp: 198663

Ion Ratio Lower Upper

152 100

115 53.7 40.1 120.2

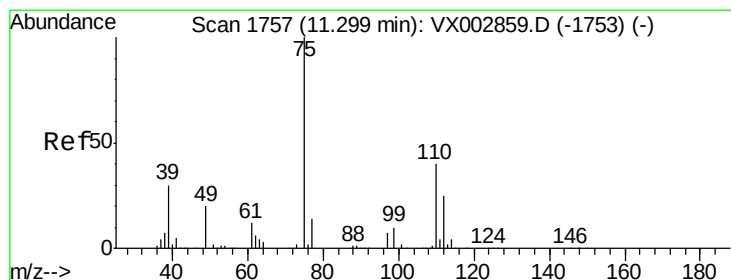
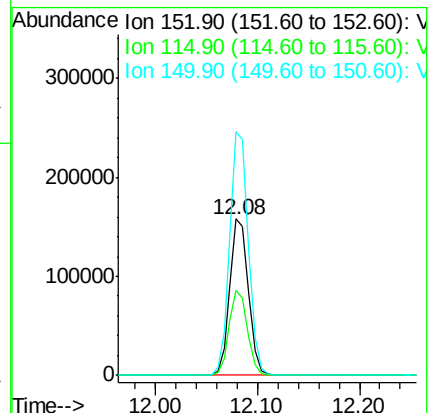
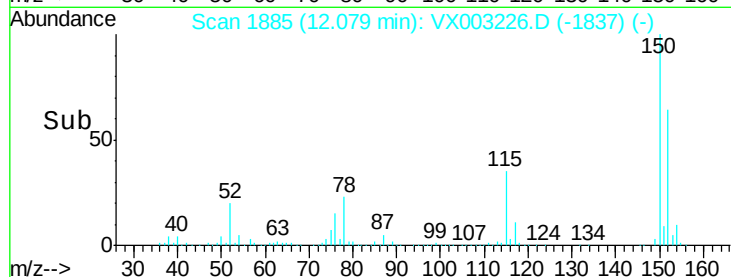
150 156.0 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 26.19 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003226.D

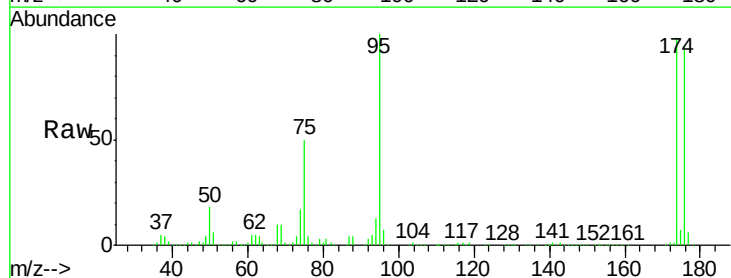
Acq: 06 Jul 2018 21:33

Tgt Ion: 75 Resp: 94243

Ion Ratio Lower Upper

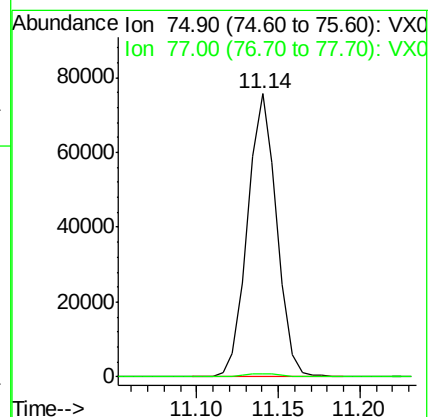
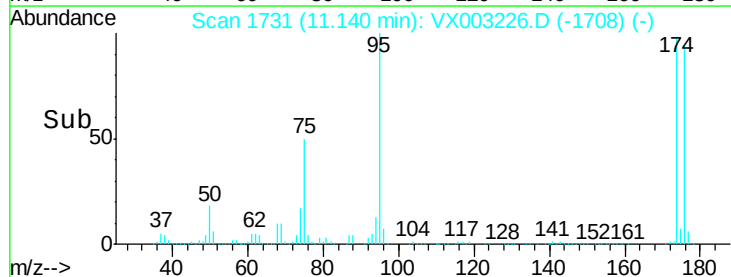
75 100

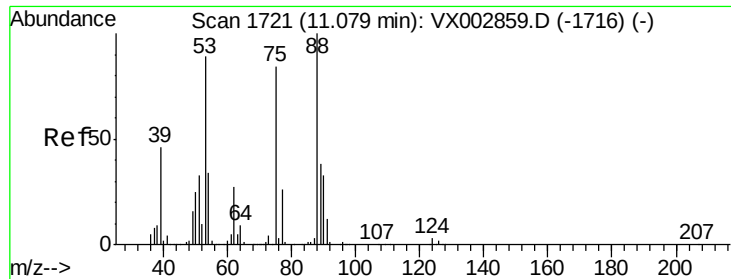
77 1.5 22.8 68.3#



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: 74.24 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003226.D

Acq: 06 Jul 2018 21:33

Instrument :

MSVOA_X

ClientSampleId :

S10-0145DL

Tot Ion: 75 Resp: 94243

Ion Ratio Lower Upper

75 100

53 0.4 86.8 130.2#

89 0.0 38.2 57.2#

