

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070618\
 Data File : VX003225.D
 Acq On : 06 Jul 2018 21:06
 Operator : JC/MD
 Sample : J3754-03DL 40X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S10-0140DL

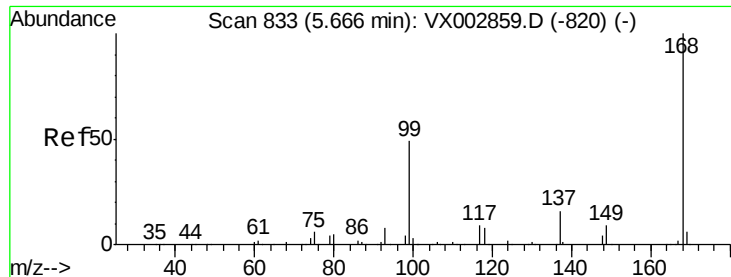
Quant Time: Jul 07 00:03:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	276387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	387496	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	354790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	198485	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	175041	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	
35) Dibromofluoromethane	5.51	113	146653	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
50) Toluene-d8	8.72	98	536510	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
62) 4-Bromofluorobenzene	11.14	95	185910	43.02	ug/l	0.00
Spiked Amount			Recovery	=	86.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	163	Below Cal	#	43
3) Chloromethane	1.33	50	1123	Below Cal	#	75
5) Bromomethane	1.65	94	2423	Below Cal		94
6) Chloroethane	1.70	64	311	Below Cal		99
10) Methyl Iodide	2.51	142	4131	7.39	ug/l	98
11) Tert butyl alcohol	3.09	59	658	0.86	ug/l #	73
13) Acrolein	2.29	56	232	4.77	ug/l #	24
15) Acrylonitrile	3.14	53	811	0.50	ug/l #	57
16) Acetone	2.45	43	1012	0.64	ug/l #	69
17) Carbon Disulfide	2.57	76	1474	0.20	ug/l	95
18) Methyl Acetate	2.84	43	12260	2.77	ug/l #	55
20) Methylene Chloride	2.85	84	1036	0.34	ug/l #	68
31) Cyclohexane	5.58	56	1081	0.23	ug/l #	79
36) 1,1-Dichloropropene	5.67	75	17805	4.19	ug/l #	50
38) Carbon Tetrachloride	5.67	117	24487	5.25	ug/l #	16
40) Benzene	6.15	78	496077	40.18	ug/l	99
42) 1,2-Dichloroethane	6.15	62	4562	0.91	ug/l #	77
49) 1,4-Dioxane	7.52	88	19	0.25	ug/l #	1
67) Ethyl Benzene	10.26	91	7157	0.48	ug/l	95
68) m/p-Xylenes	10.37	106	3969	0.69	ug/l	94
73) Isopropylbenzene	11.02	105	2958	0.22	ug/l	91
76) 1,2,3-Trichloropropane	11.14	75	92943	25.85	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	92943	73.32	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.81	105	3425	0.29	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003225.D

Acq: 06 Jul 2018 21:06

Instrument :

MSVOA_X

ClientSampled :

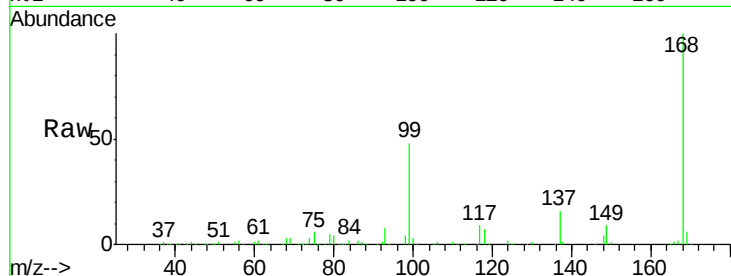
S10-0140DL

Tot Ion:168 Resp: 276387

Ion Ratio Lower Upper

168 100

99 48.4 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

100000

80000

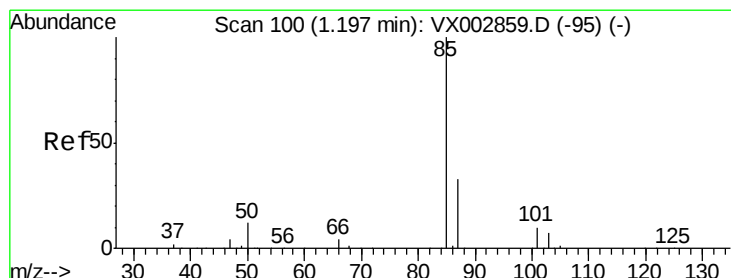
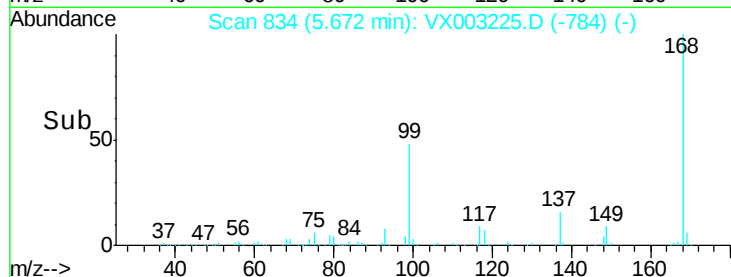
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX003225.D

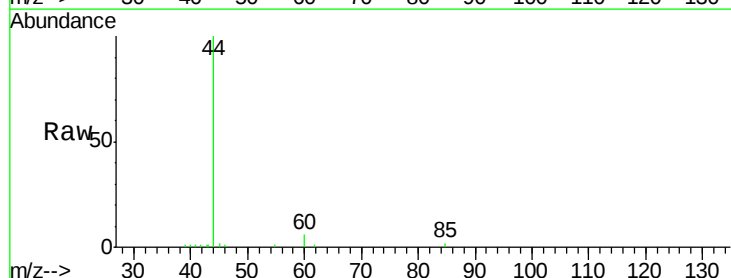
Acq: 06 Jul 2018 21:06

Tgt Ion: 85 Resp: 163

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

1.19

200

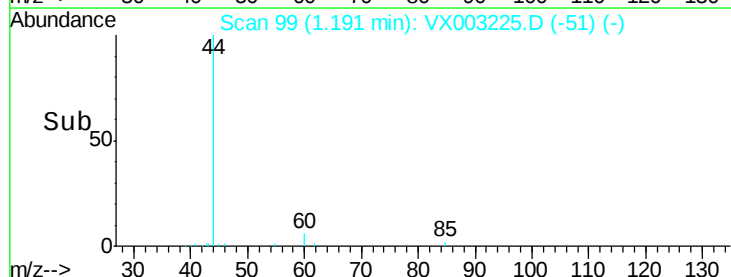
150

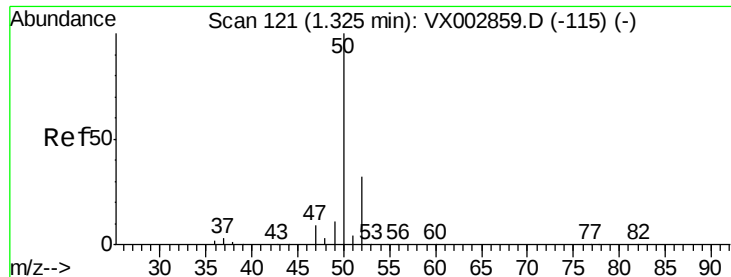
100

50

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003225.D

Acq: 06 Jul 2018 21:06

Instrument :

MSVOA_X

ClientSampled :

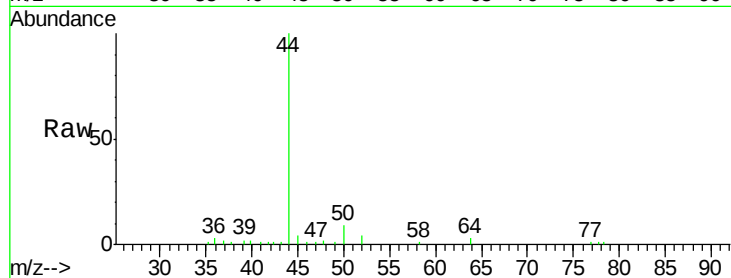
S10-0140DL

Tot Ion: 50 Resp: 1123

Ion Ratio Lower Upper

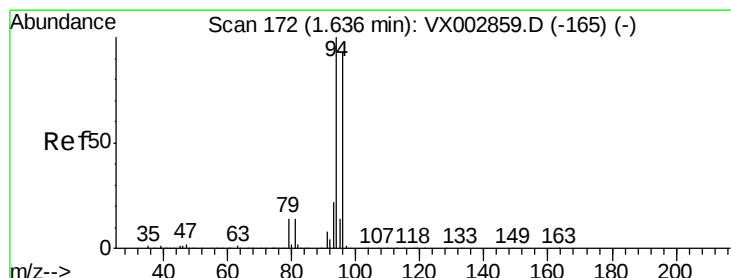
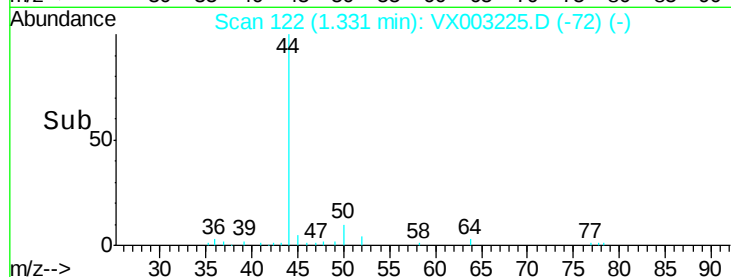
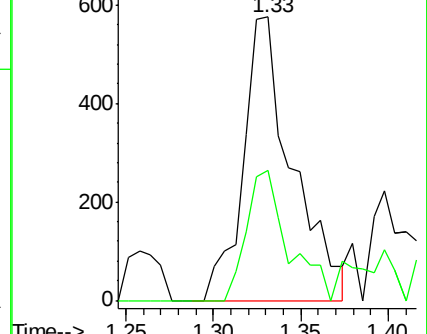
50 100

52 45.8 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003225.D

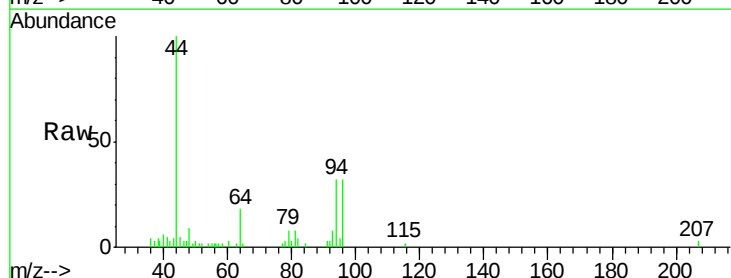
Acq: 06 Jul 2018 21:06

Tgt Ion: 94 Resp: 2423

Ion Ratio Lower Upper

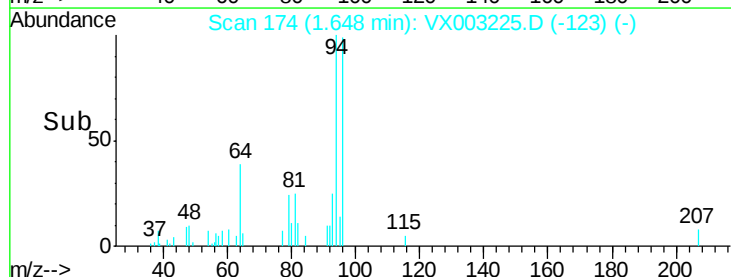
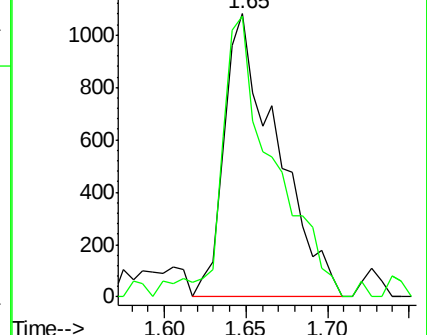
94 100

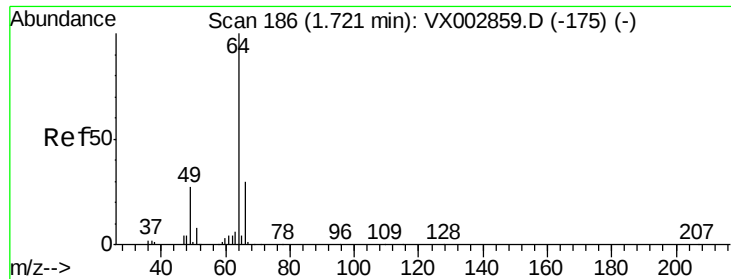
96 99.3 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 182

Delta R.T. -0.02 min

Lab File: VX003225.D

Acq: 06 Jul 2018 21:06

Instrument :

MSVOA_X

ClientSampled :

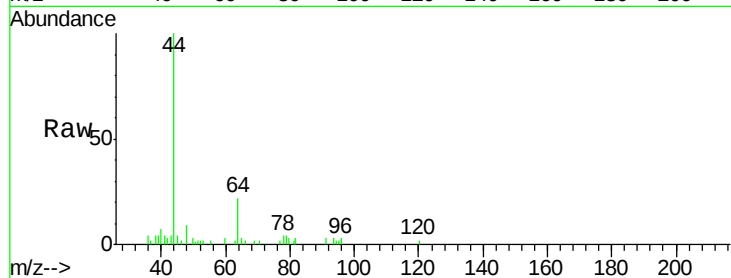
S10-0140DL

Tot Ion: 64 Resp: 311

Ion Ratio Lower Upper

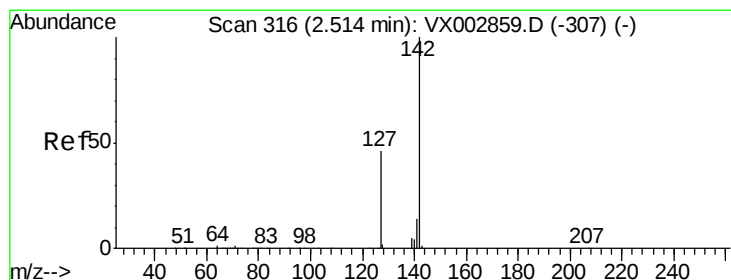
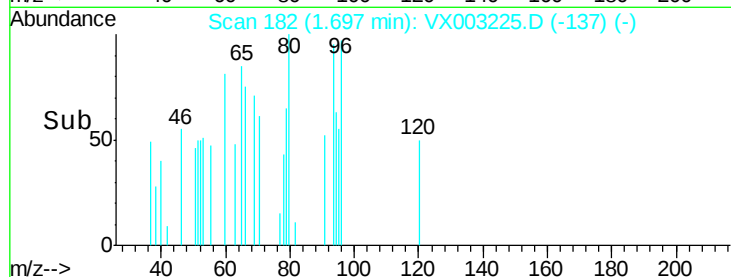
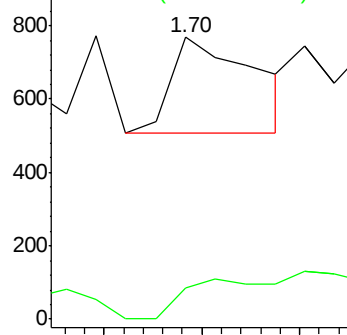
64 100

66 32.6 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: 7.39 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX003225.D

Acq: 06 Jul 2018 21:06

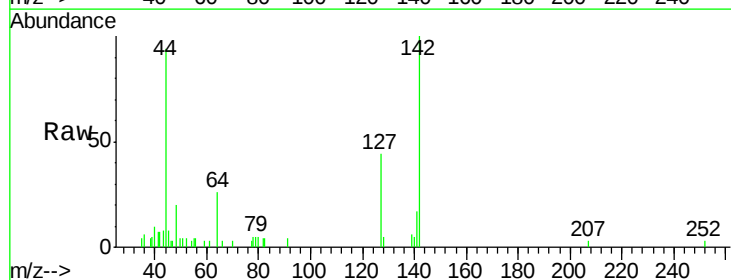
Tgt Ion: 142 Resp: 4131

Ion Ratio Lower Upper

142 100

127 44.6 36.6 55.0

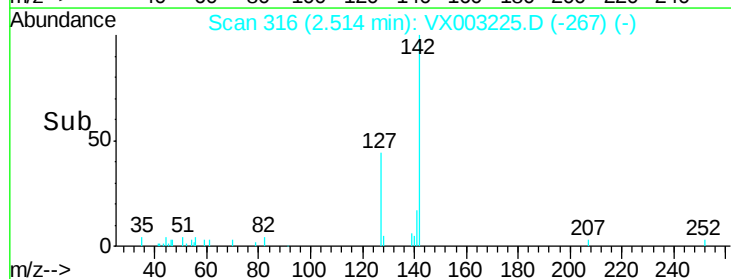
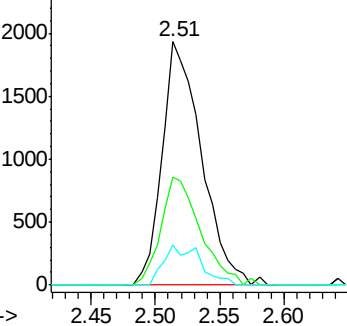
141 15.2 11.3 16.9

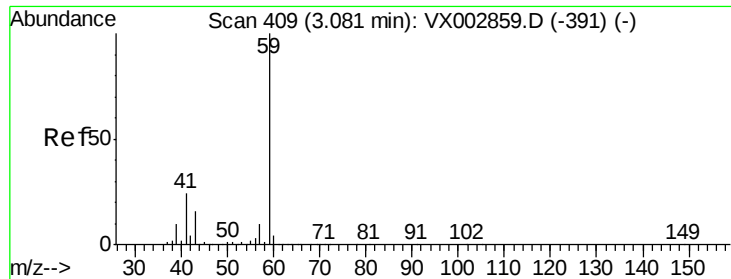


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

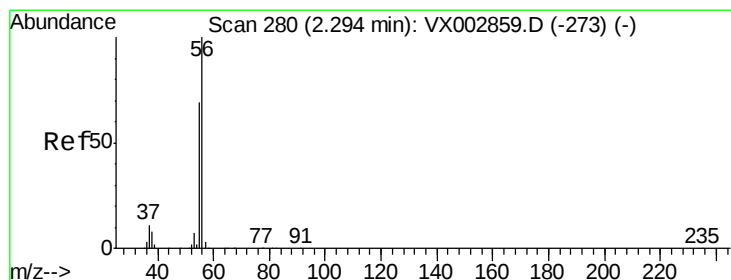
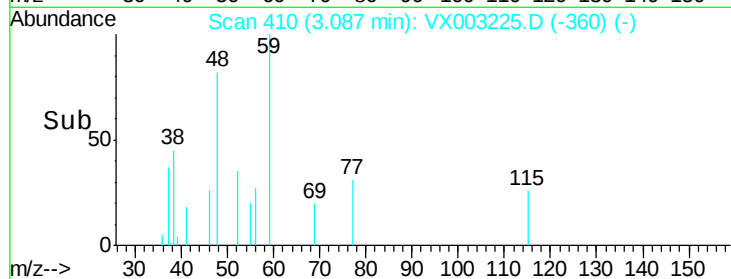
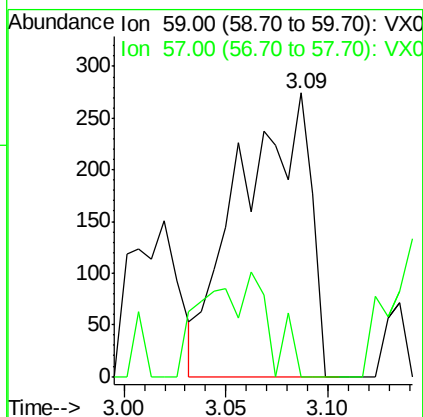
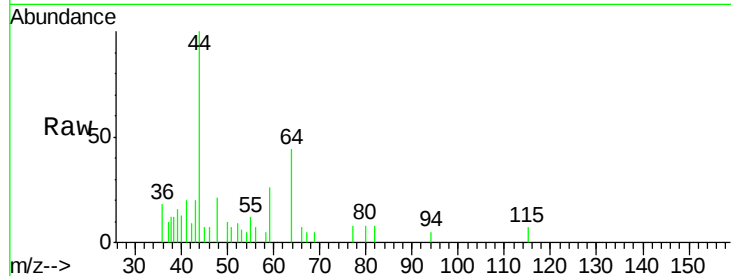




#11
Tert butyl alcohol
Concen: 0.86 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX003225.D
Acq: 06 Jul 2018 21:06

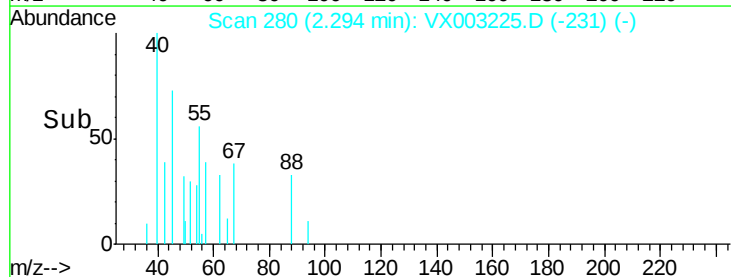
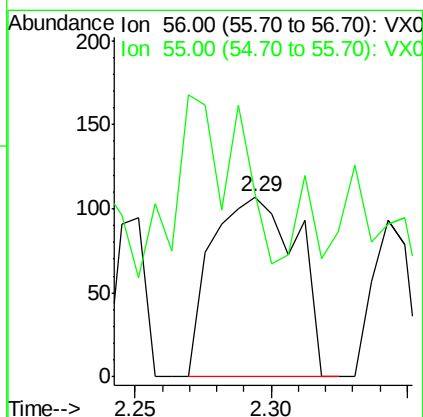
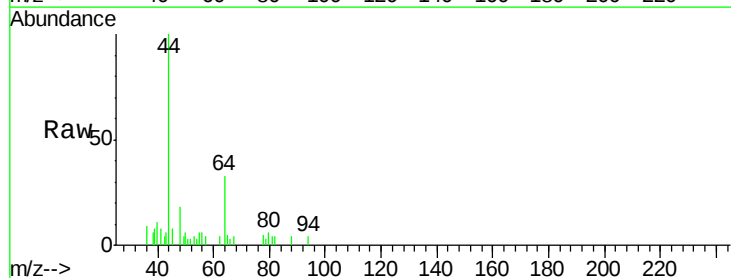
Instrument :
MSVOA_X
ClientSampled :
S10-0140DL

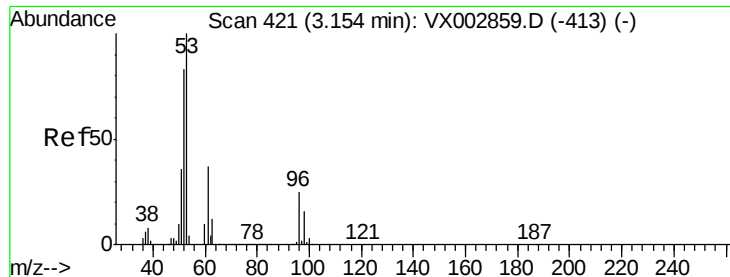
Tot Ion: 59 Resp: 658
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 4.77 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003225.D
Acq: 06 Jul 2018 21:06

Tgt Ion: 56 Resp: 232
Ion Ratio Lower Upper
56 100
55 8.6 57.0 85.4#





#15

Acrylonitrile

Concen: 0.50 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX003225.D

Acq: 06 Jul 2018 21:06

Instrument :

MSVOA_X

ClientSampled :

S10-0140DL

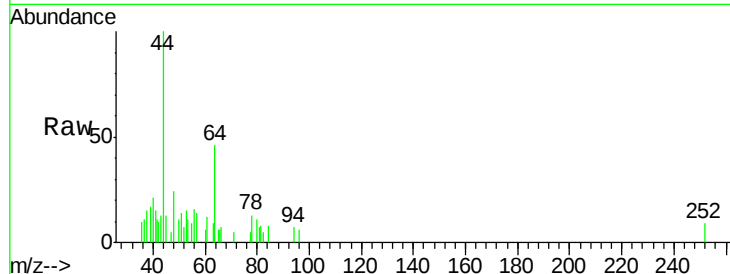
Tot Ion: 53 Resp: 811

Ion Ratio Lower Upper

53 100

52 34.4 66.7 100.1#

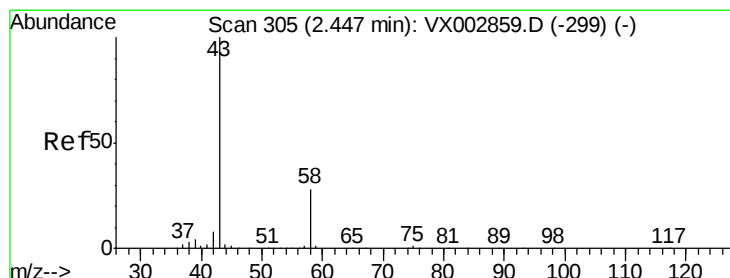
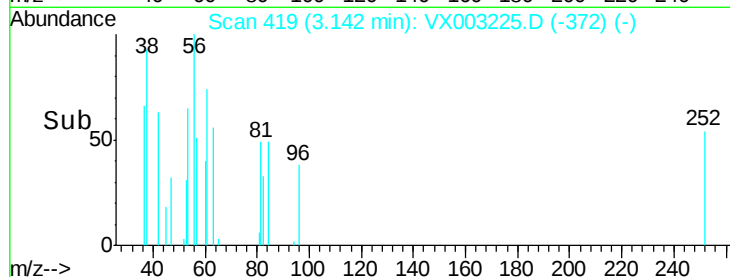
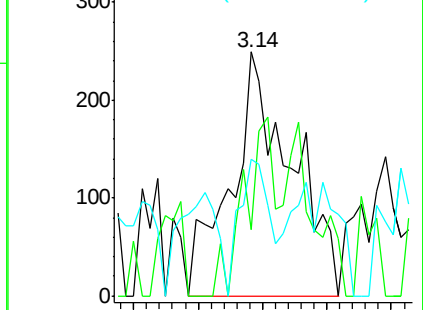
51 27.0 29.9 44.9#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.64 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003225.D

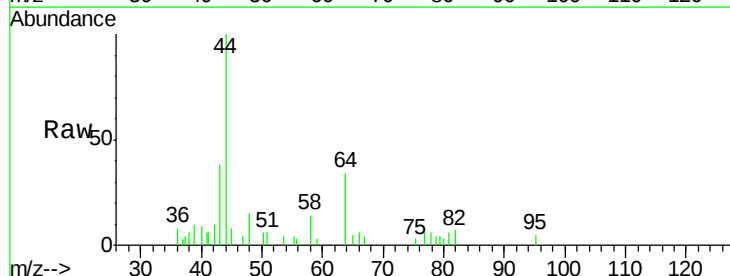
Acq: 06 Jul 2018 21:06

Tgt Ion: 43 Resp: 1012

Ion Ratio Lower Upper

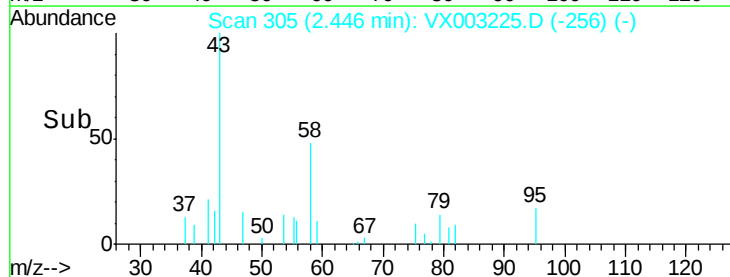
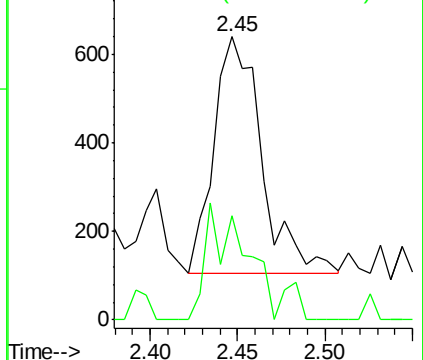
43 100

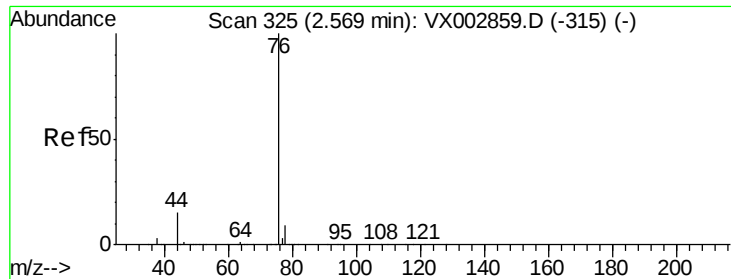
58 43.9 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

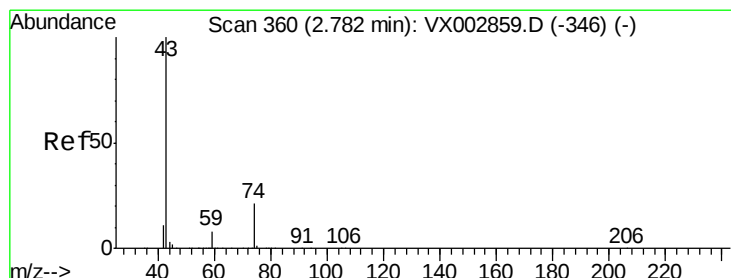
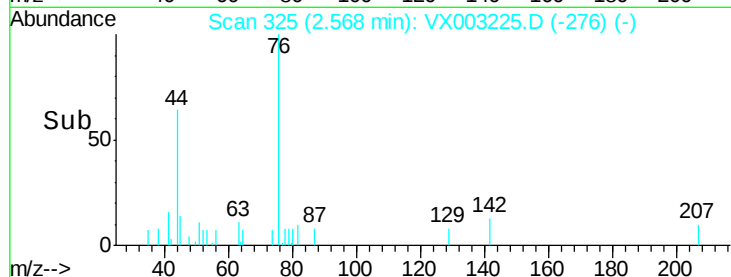
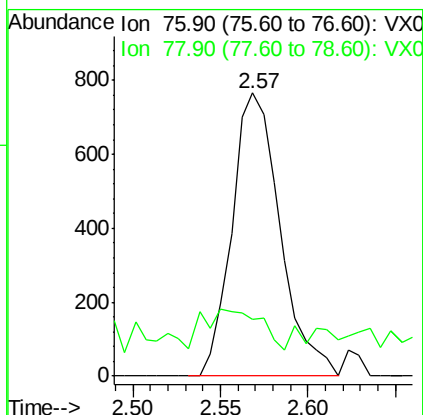
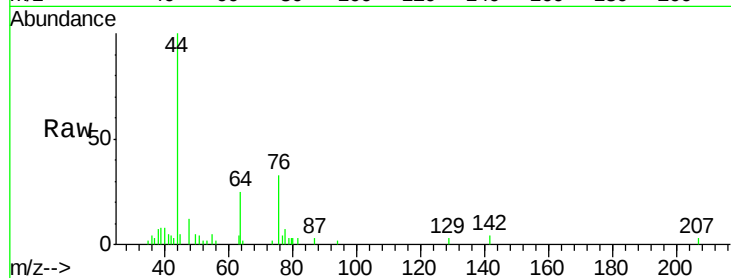




#17
Carbon Disulfide
Concen: 0.20 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003225.D
Acq: 06 Jul 2018 21:06

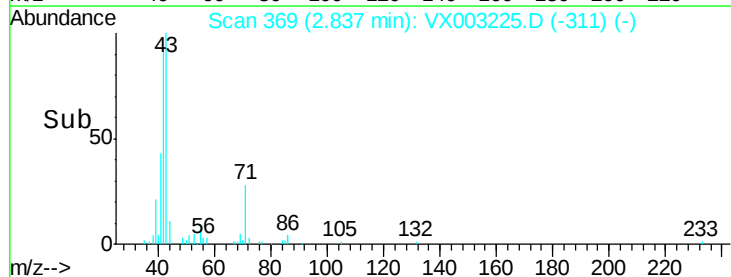
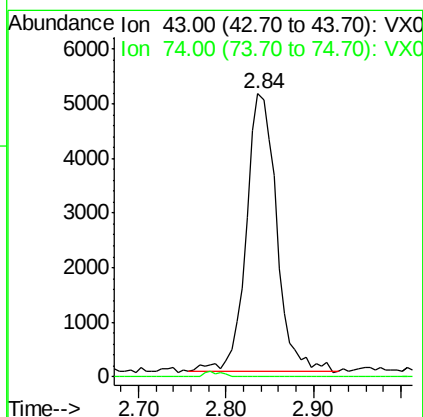
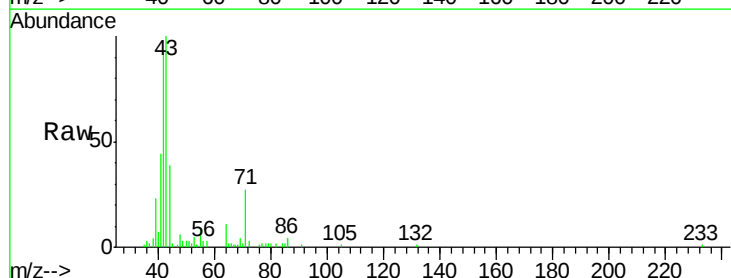
Instrument :
MSVOA_X
ClientSampled :
S10-0140DL

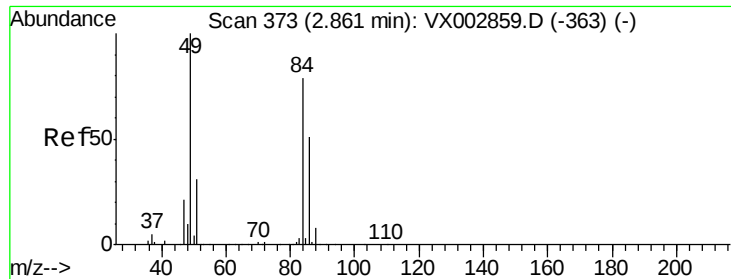
Tot Ion: 76 Resp: 1474
Ion Ratio Lower Upper
76 100
78 10.3 6.9 10.3



#18
Methyl Acetate
Concen: 2.77 ug/l
RT: 2.84 min Scan# 369
Delta R.T. 0.05 min
Lab File: VX003225.D
Acq: 06 Jul 2018 21:06

Tgt Ion: 43 Resp: 12260
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

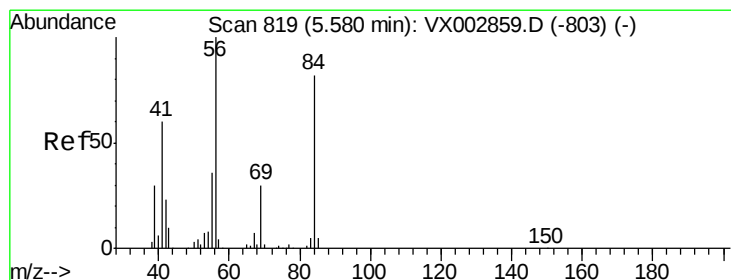
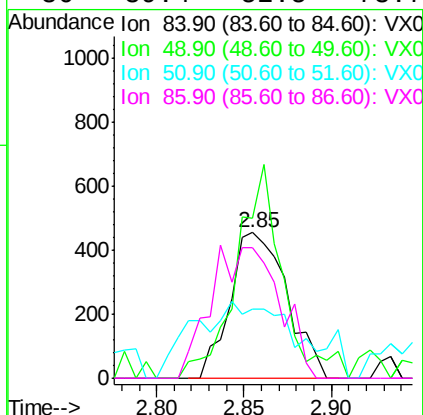
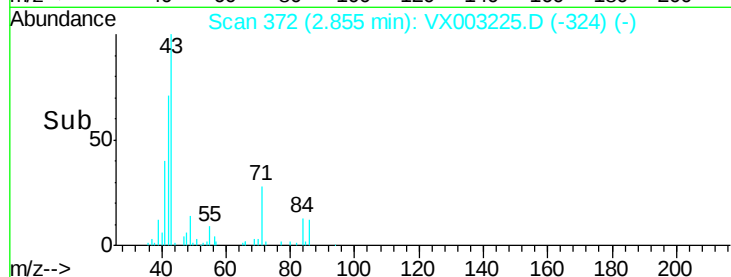
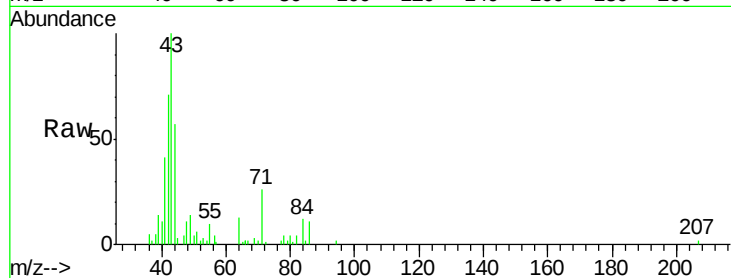




#20
Methylene Chloride
Concen: 0.34 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX003225.D
Acq: 06 Jul 2018 21:06

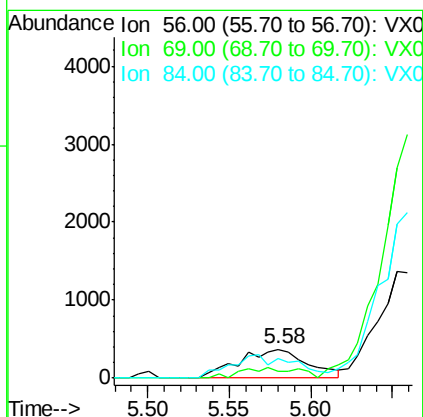
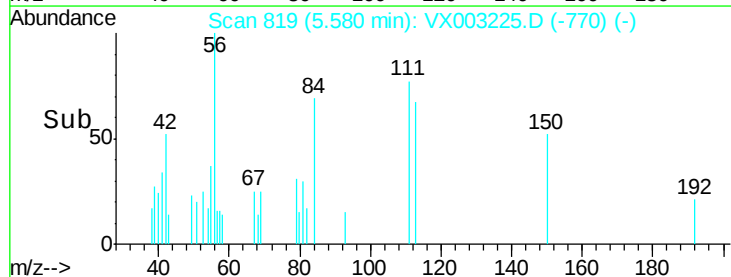
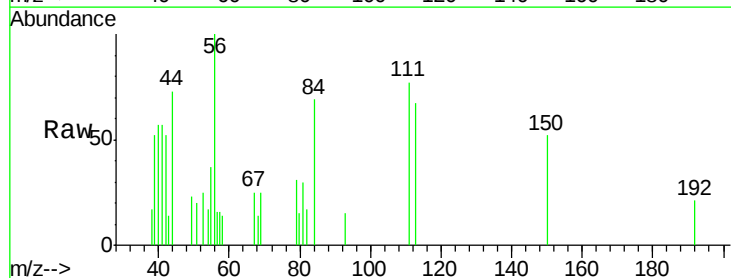
Instrument :
MSVOA_X
ClientSampled :
S10-0140DL

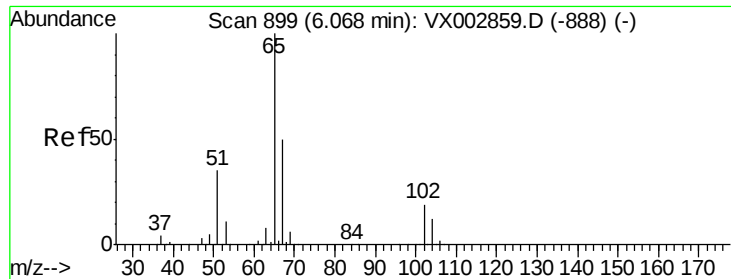
Tot Ion: 84 Resp: 1036
Ion Ratio Lower Upper
84 100
49 98.2 107.8 161.6#
51 14.5 32.8 49.2#
86 89.4 52.5 78.7#



#31
Cyclohexane
Concen: 0.23 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX003225.D
Acq: 06 Jul 2018 21:06

Tgt Ion: 56 Resp: 1081
Ion Ratio Lower Upper
56 100
69 21.5 23.7 35.5#
84 60.0 64.1 96.1#





#33

1,2-Dichloroethane-d4

Concen: 45.82 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003225.D

Acq: 06 Jul 2018 21:06

Instrument :

MSVOA_X

ClientSampled :

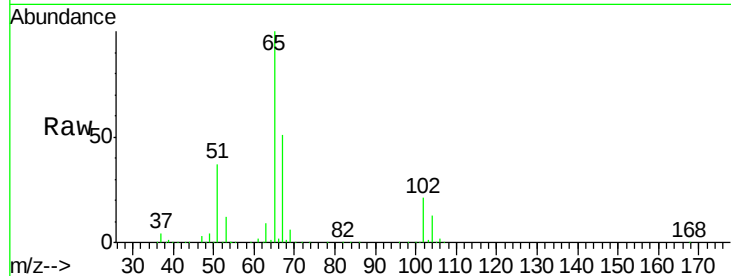
S10-0140DL

Tot Ion: 65 Resp: 175041

Ion Ratio Lower Upper

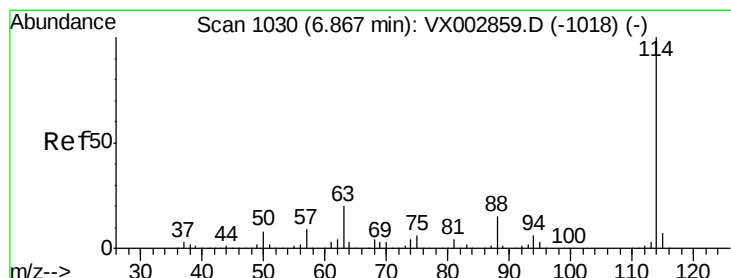
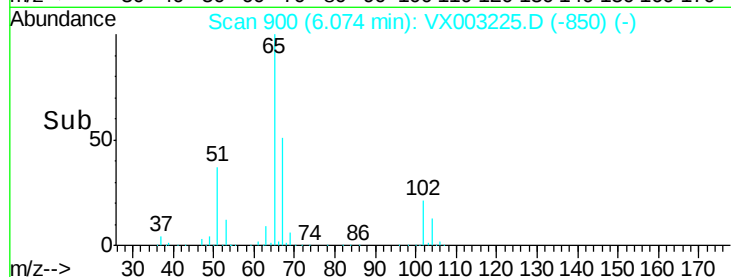
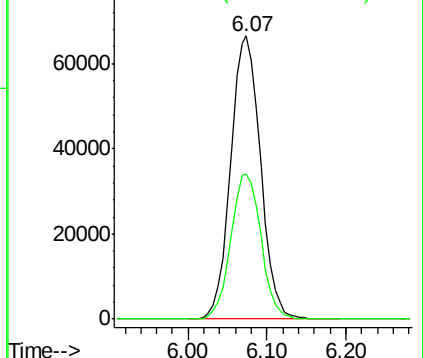
65 100

67 51.9 0.0 102.6



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# 1029

Delta R.T. -0.01 min

Lab File: VX003225.D

Acq: 06 Jul 2018 21:06

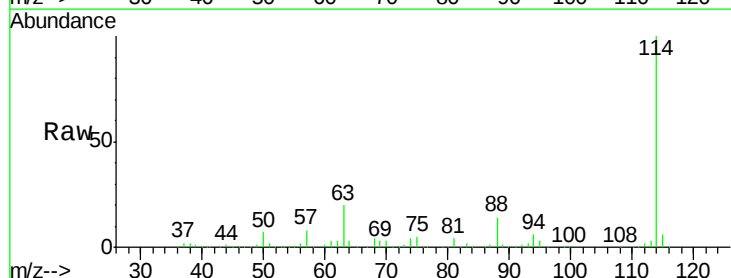
Tgt Ion: 114 Resp: 387496

Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.4

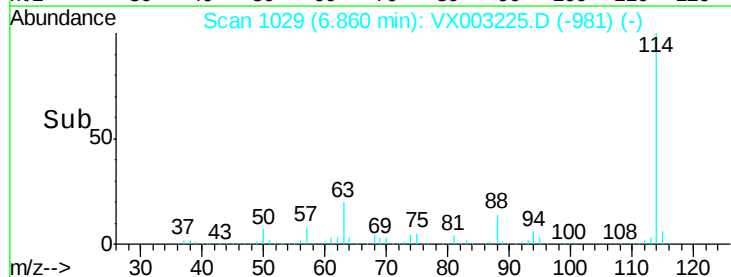
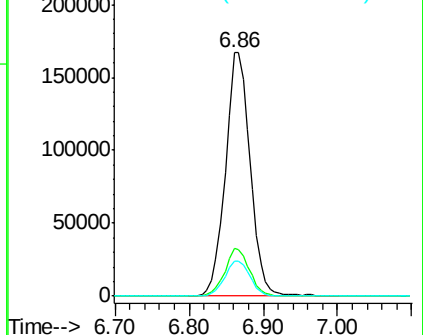
88 14.3 0.0 30.0

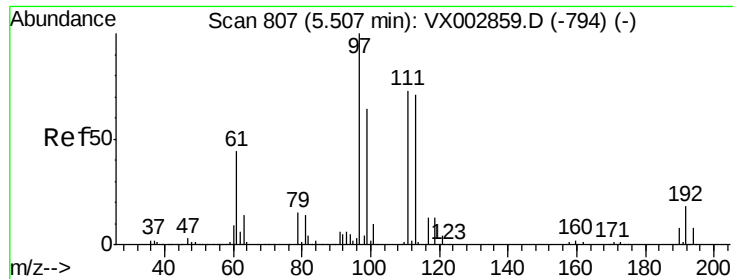


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

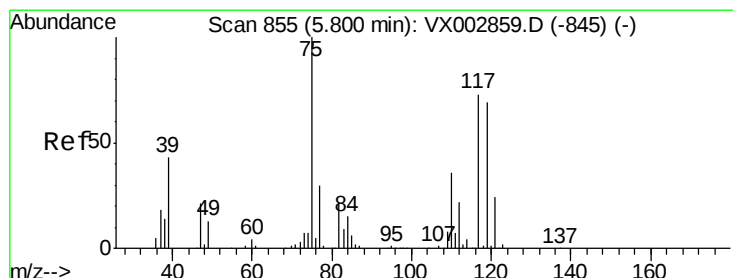
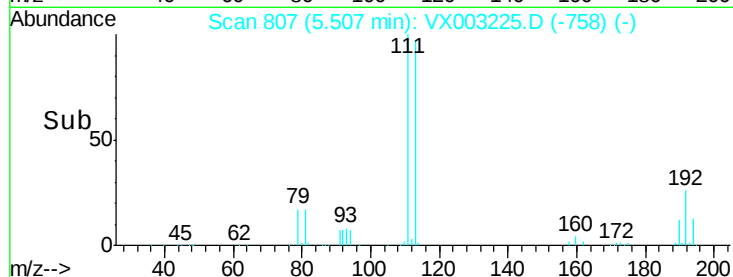
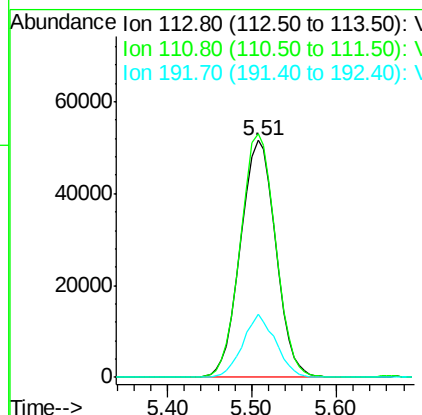
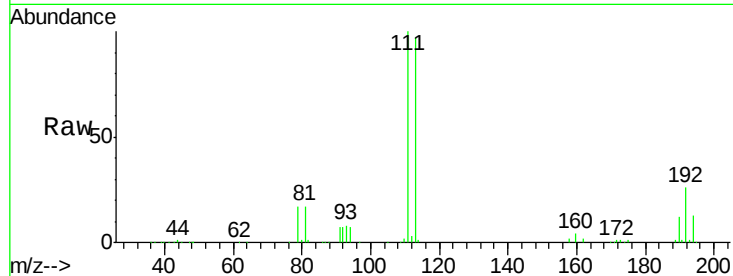




#35
 Dibromofluoromethane
 Concen: 47.79 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003225.D
 Acq: 06 Jul 2018 21:06

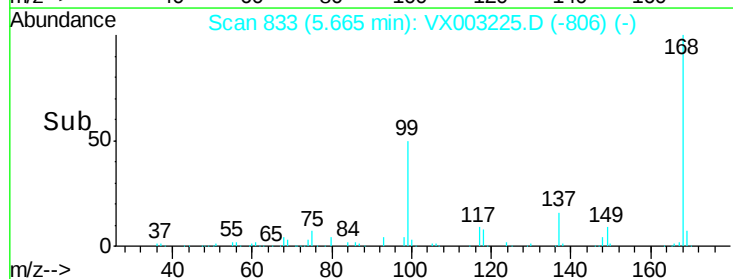
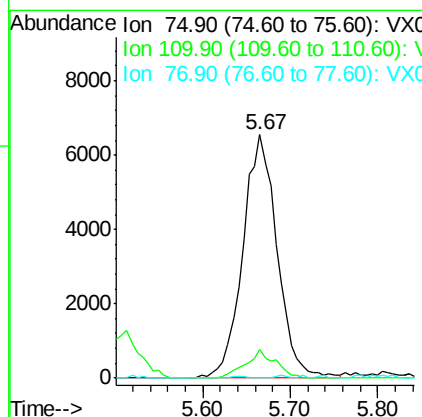
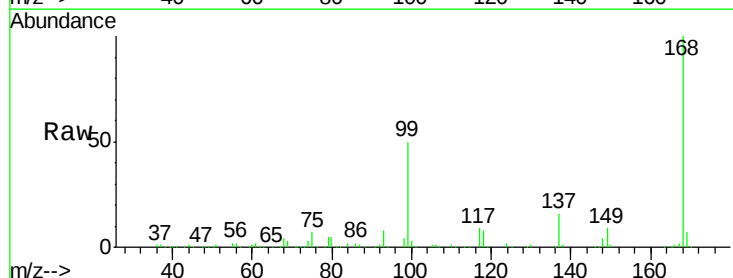
Instrument :
 MSVOA_X
 ClientSampleId :
 S10-0140DL

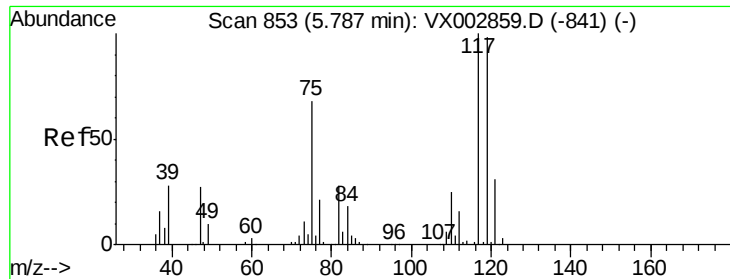
Tot Ion:113 Resp: 146653
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.4 122.0
 192 24.7 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.19 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003225.D
 Acq: 06 Jul 2018 21:06

Tgt Ion: 75 Resp: 17805
 Ion Ratio Lower Upper
 75 100
 110 10.0 18.1 54.4#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.25 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003225.D

Acq: 06 Jul 2018 21:06

Instrument :

MSVOA_X

ClientSampled :

S10-0140DL

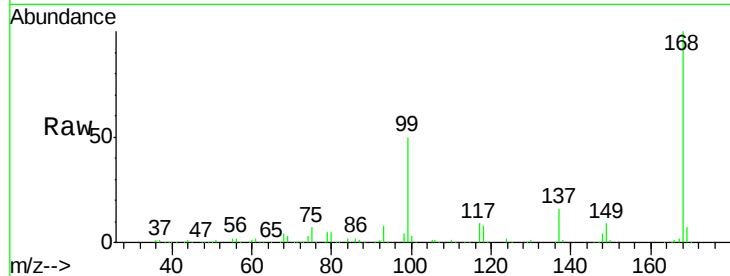
Tot Ion:117 Resp: 24487

Ion Ratio Lower Upper

117 100

119 5.2 77.4 116.0#

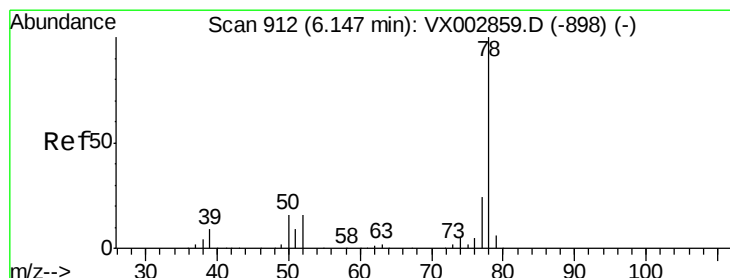
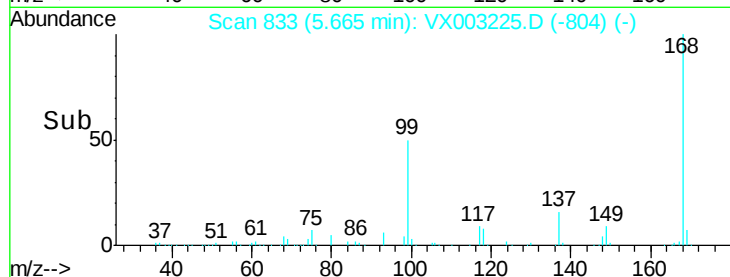
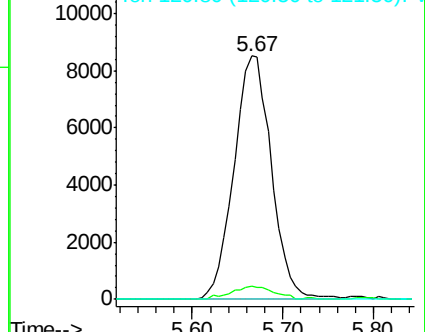
121 0.0 24.4 36.6#



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



#40

Benzene

Concen: 40.18 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX003225.D

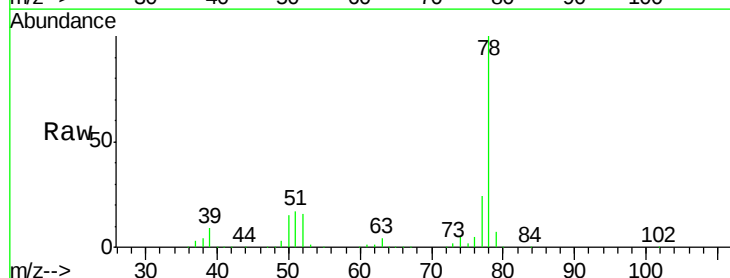
Acq: 06 Jul 2018 21:06

Tgt Ion: 78 Resp: 496077

Ion Ratio Lower Upper

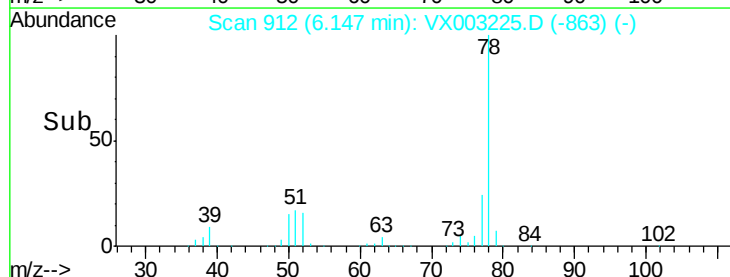
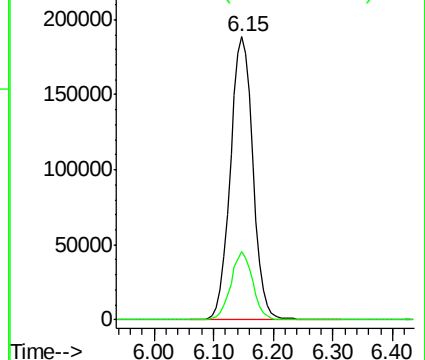
78 100

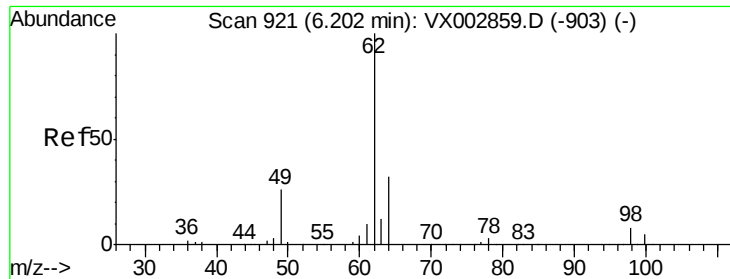
77 24.4 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

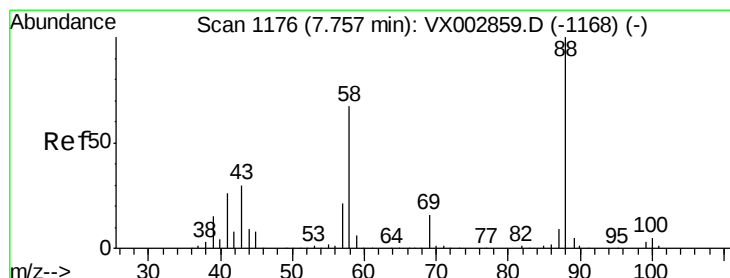
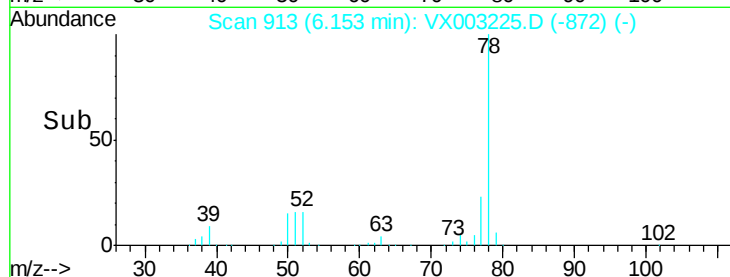
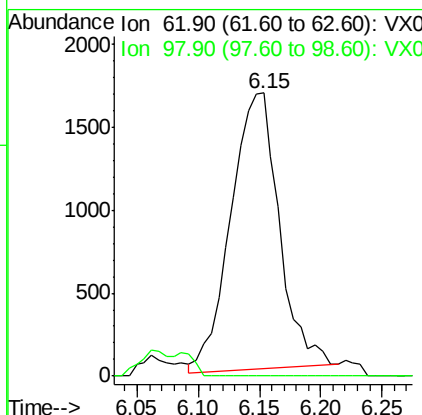
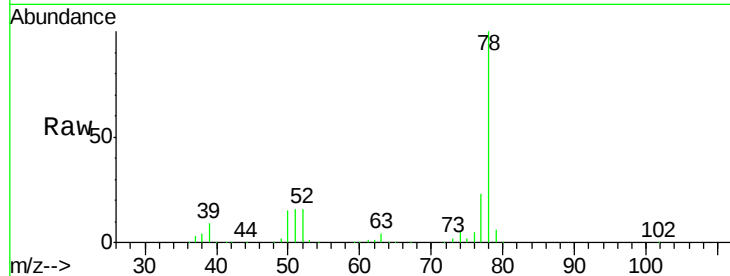




#42
 1,2-Dichloroethane
 Concen: 0.91 ug/l
 RT: 6.15 min Scan# 913
 Delta R.T. -0.05 min
 Lab File: VX003225.D
 Acq: 06 Jul 2018 21:06

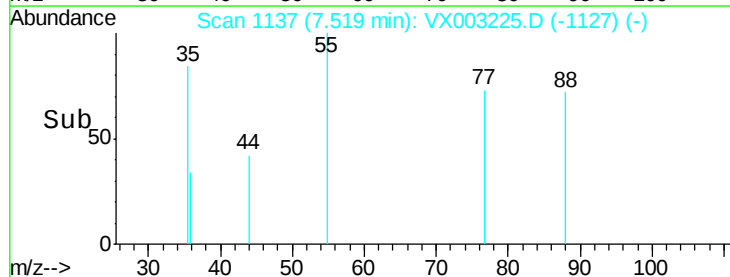
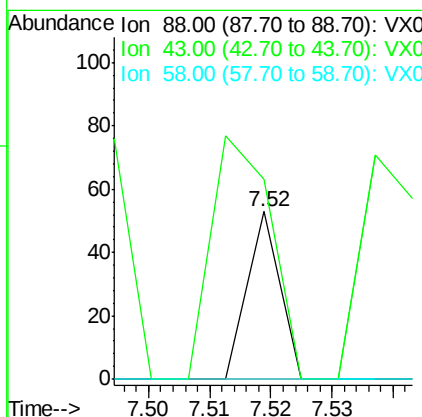
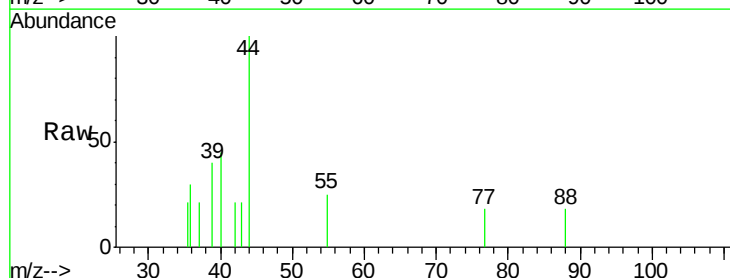
Instrument :
 MSVOA_X
 ClientSampleId :
 S10-0140DL

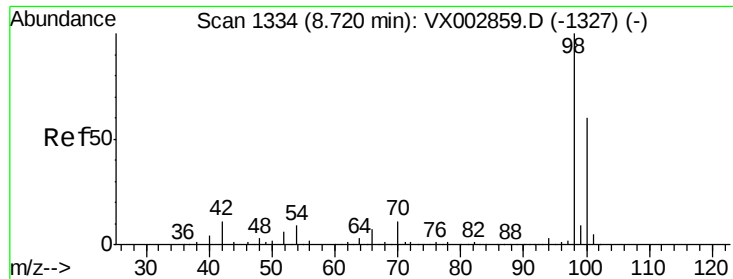
Tot Ion: 62 Resp: 4562
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 16.6



#49
 1,4-Dioxane
 Concen: 0.25 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.24 min
 Lab File: VX003225.D
 Acq: 06 Jul 2018 21:06

Tgt Ion: 88 Resp: 19
 Ion Ratio Lower Upper
 88 100
 43 268.4 29.8 44.6#
 58 0.0 57.1 85.7#

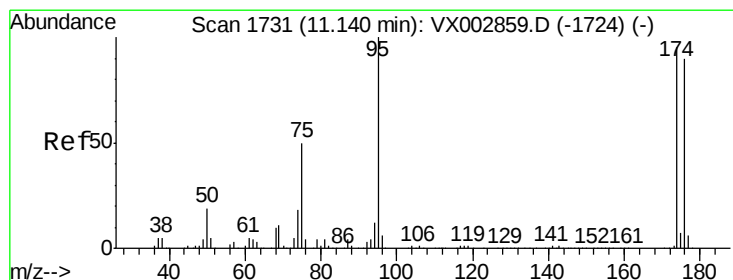
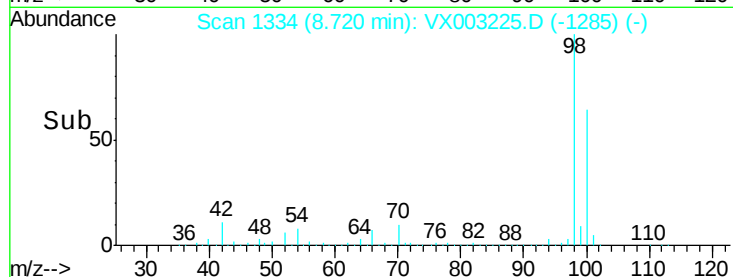
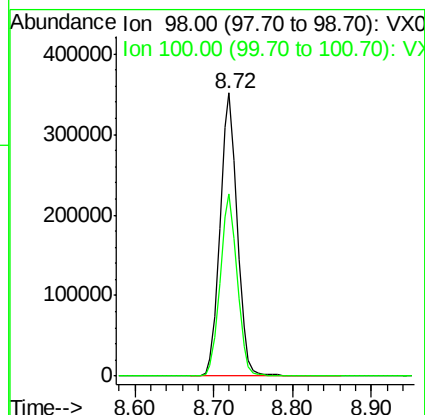
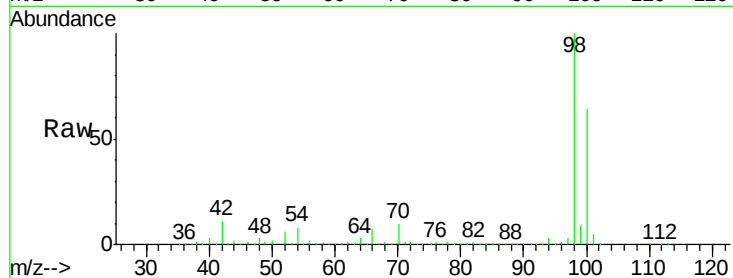




#50
Toluene-d8
Concen: 47.88 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003225.D
Acq: 06 Jul 2018 21:06

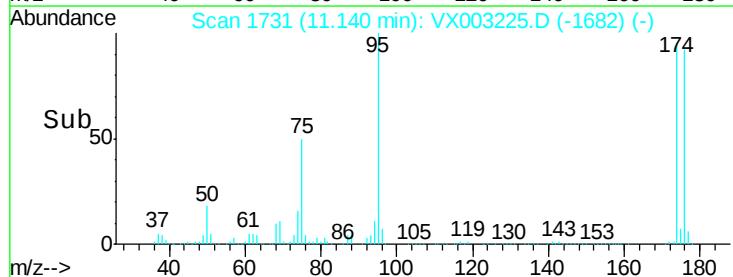
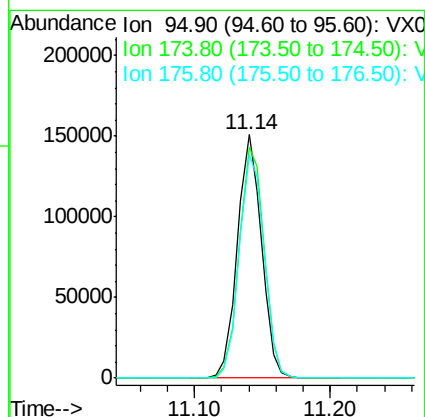
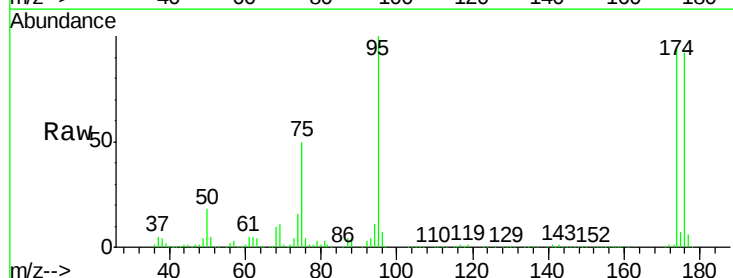
Instrument :
MSVOA_X
ClientSampleID :
S10-0140DL

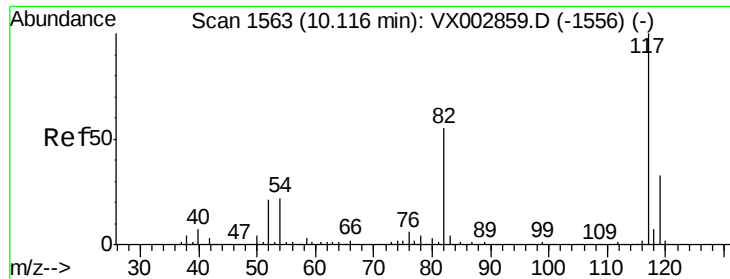
Tot Ion: 98 Resp: 536510
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 43.02 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003225.D
Acq: 06 Jul 2018 21:06

Tgt Ion: 95 Resp: 185910
Ion Ratio Lower Upper
95 100
174 98.7 0.0 187.4
176 95.2 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: VX003225.D

Acq: 06 Jul 2018 21:06

Instrument :

MSVOA_X

ClientSampled :

S10-0140DL

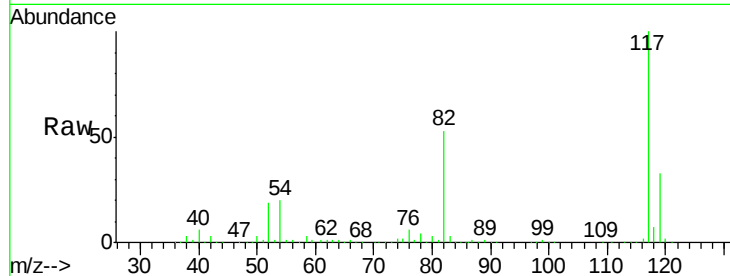
Tot Ion:117 Resp: 354790

Ion Ratio Lower Upper

117 100

82 52.6 45.0 67.4

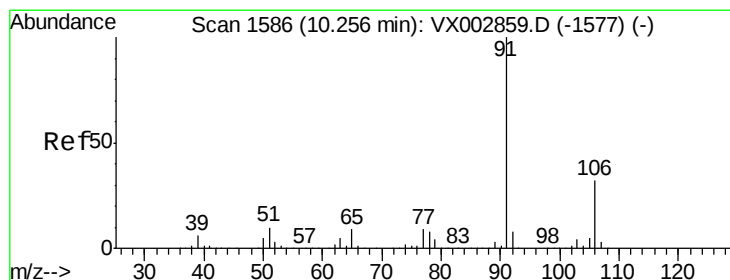
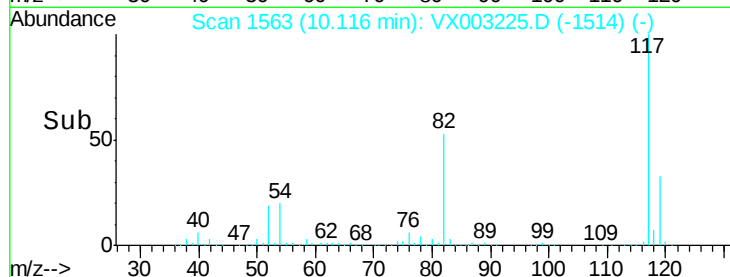
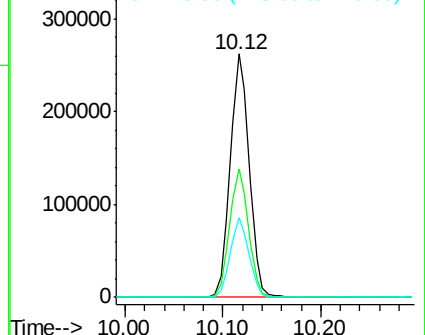
119 32.6 25.8 38.6



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



#67

Ethyl Benzene

Concen: 0.48 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003225.D

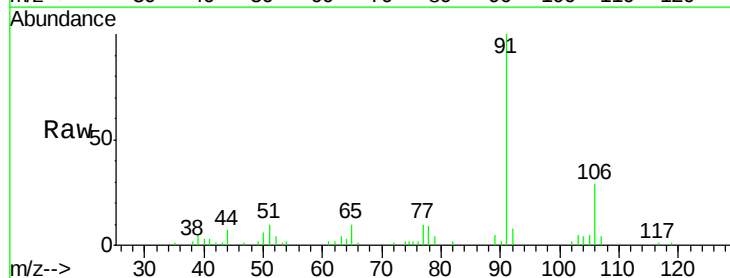
Acq: 06 Jul 2018 21:06

Tgt Ion: 91 Resp: 7157

Ion Ratio Lower Upper

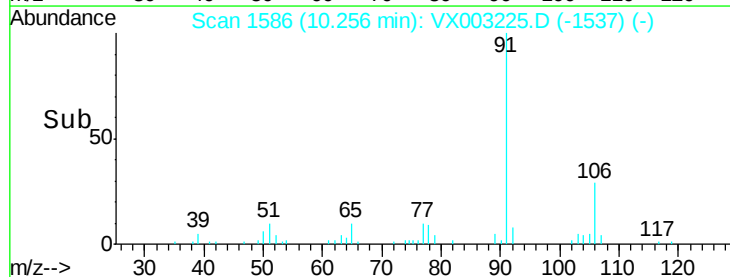
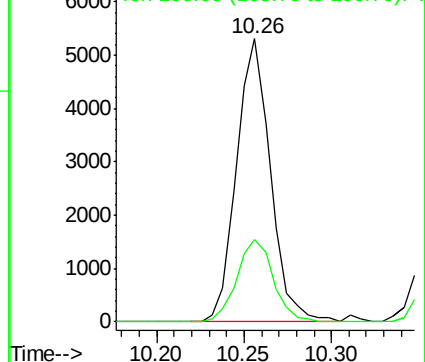
91 100

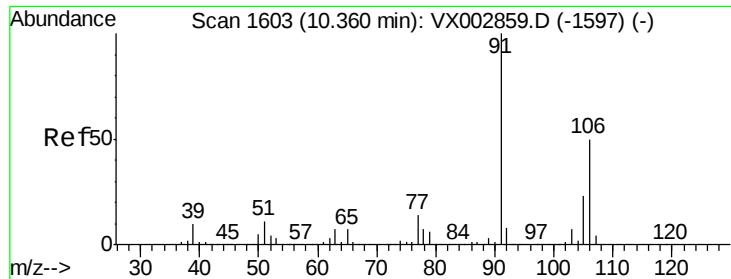
106 29.2 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

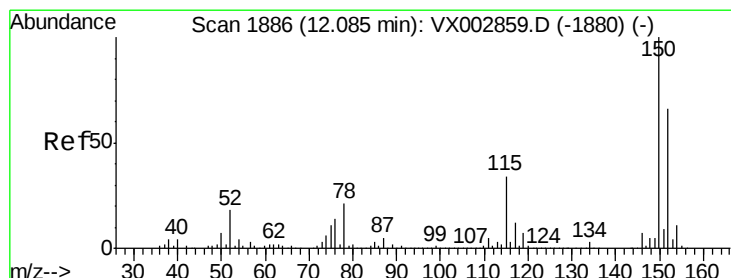
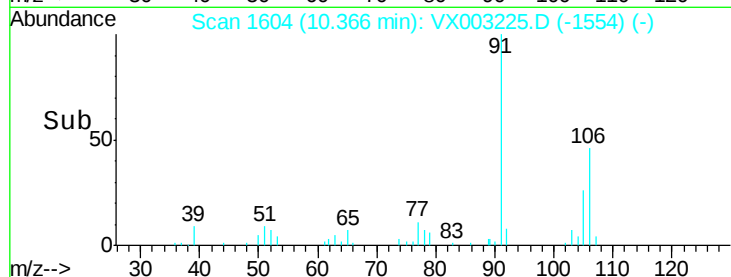
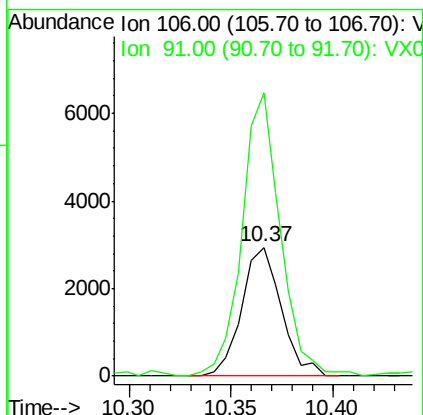
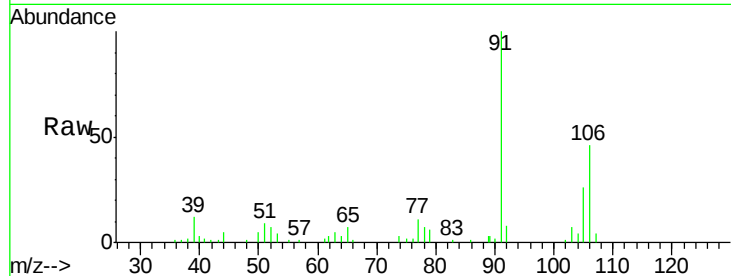




#68
m/p-Xvlenes
Concen: 0.69 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003225.D
Acq: 06 Jul 2018 21:06

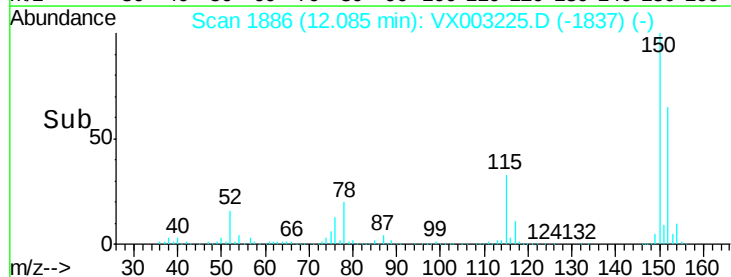
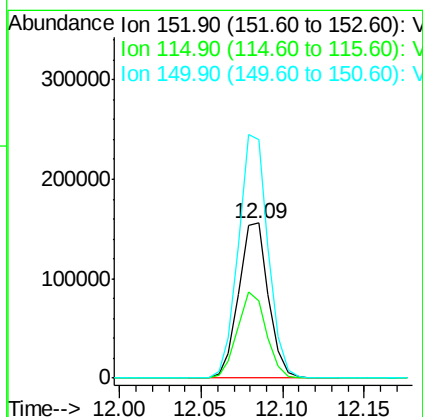
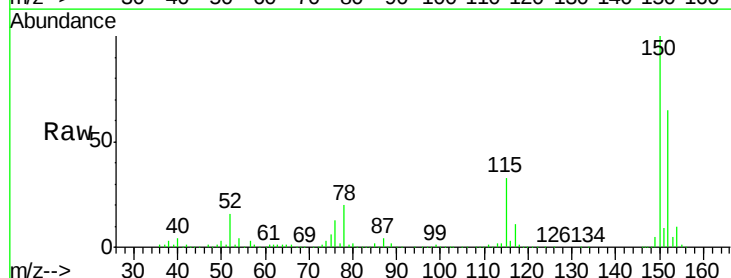
Instrument :
MSVOA_X
ClientSampled :
S10-0140DL

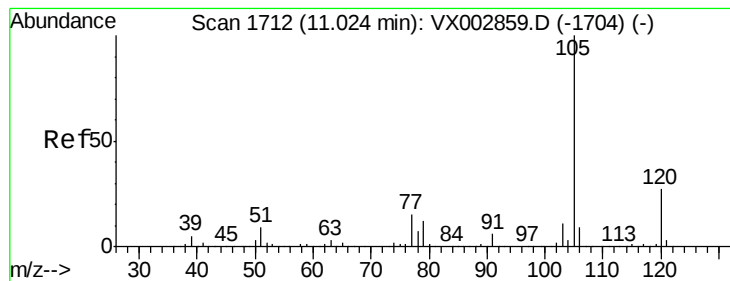
Tot Ion:106 Resp: 3969
Ion Ratio Lower Upper
106 100
91 213.3 163.4 245.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX003225.D
Acq: 06 Jul 2018 21:06

Tgt Ion:152 Resp: 198485
Ion Ratio Lower Upper
152 100
115 54.1 40.1 120.2
150 157.0 0.0 347.2





#73

Isopropylbenzene

Concen: 0.22 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003225.D

Acq: 06 Jul 2018 21:06

Instrument :

MSVOA_X

ClientSampleID :

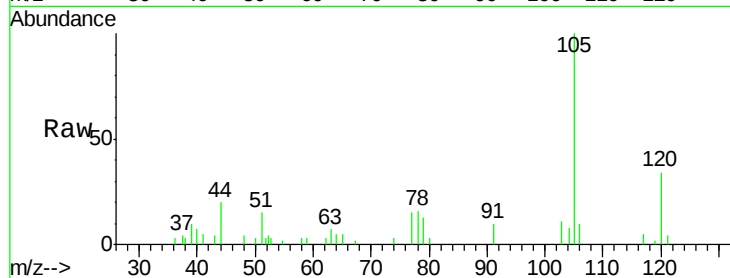
S10-0140DL

Tot Ion: 105 Resp: 2958

Ion Ratio Lower Upper

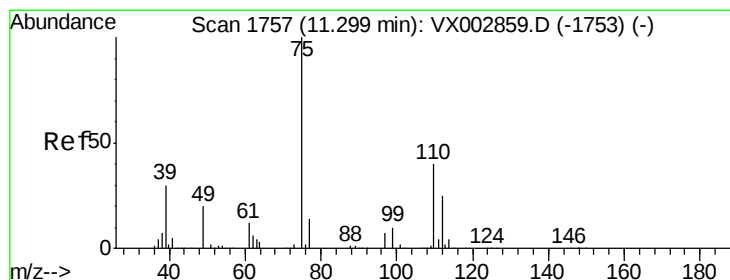
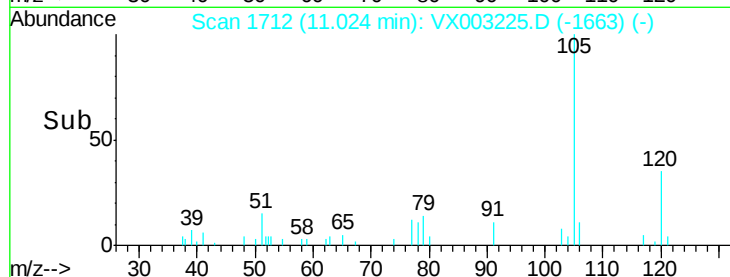
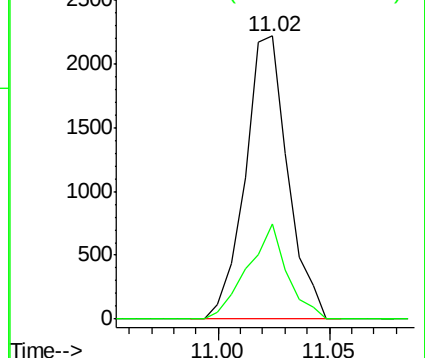
105 100

120 31.4 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 25.85 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003225.D

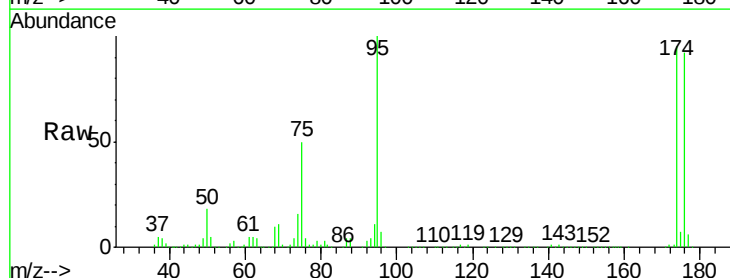
Acq: 06 Jul 2018 21:06

Tgt Ion: 75 Resp: 92943

Ion Ratio Lower Upper

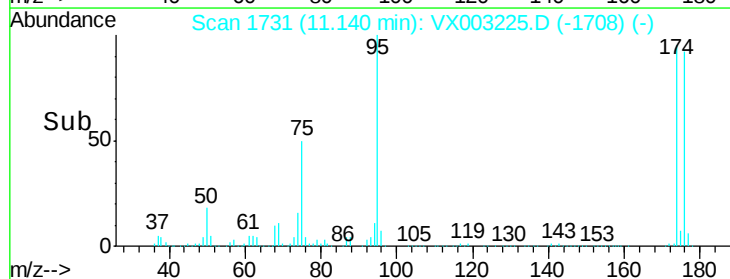
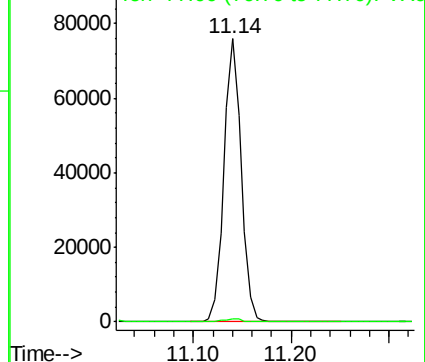
75 100

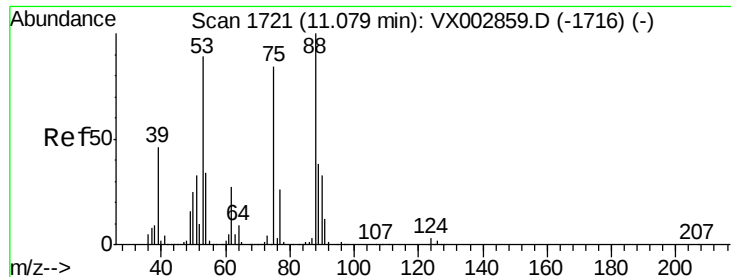
77 1.3 22.8 68.3#



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: 73.32 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003225.D

Acq: 06 Jul 2018 21:06

Instrument :

MSVOA_X

ClientSampleId :

S10-0140DL

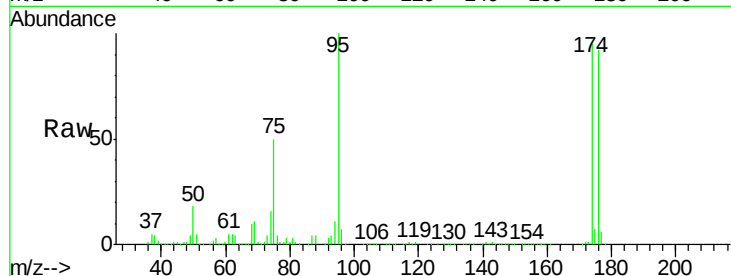
Tot Ion: 75 Resp: 92943

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

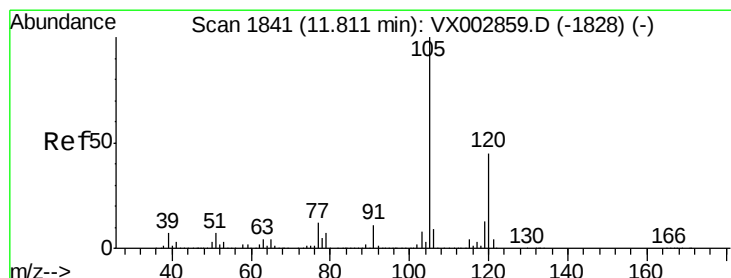
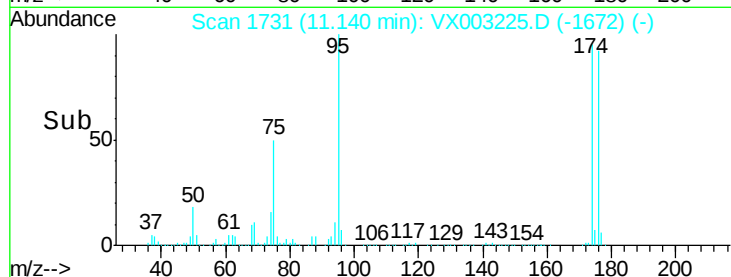
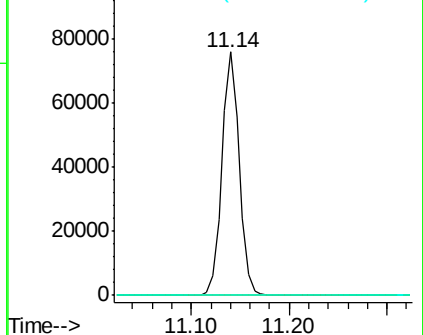
89 0.0 38.2 57.2#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.29 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX003225.D

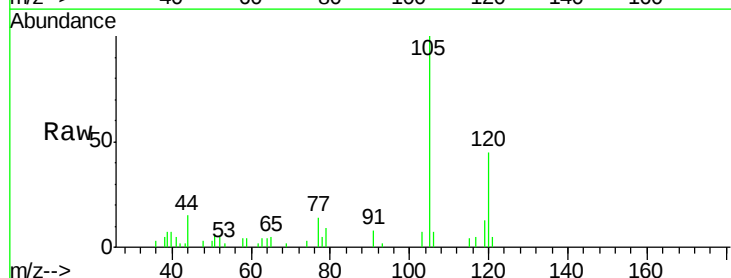
Acq: 06 Jul 2018 21:06

Tgt Ion:105 Resp: 3425

Ion Ratio Lower Upper

105 100

120 42.0 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

