

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070618\
 Data File : VX003228.D
 Acq On : 06 Jul 2018 22:26
 Operator : JC/MD
 Sample : J3754-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S10-0141

Quant Time: Jul 07 00:04:24 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	283579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	396873	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	368566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	208624	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	182447	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	
35) Dibromofluoromethane	5.51	113	151373	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
50) Toluene-d8	8.72	98	549728	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	
62) 4-Bromofluorobenzene	11.14	95	192920	43.59	ug/l	0.00
Spiked Amount			Recovery	=	87.18%	

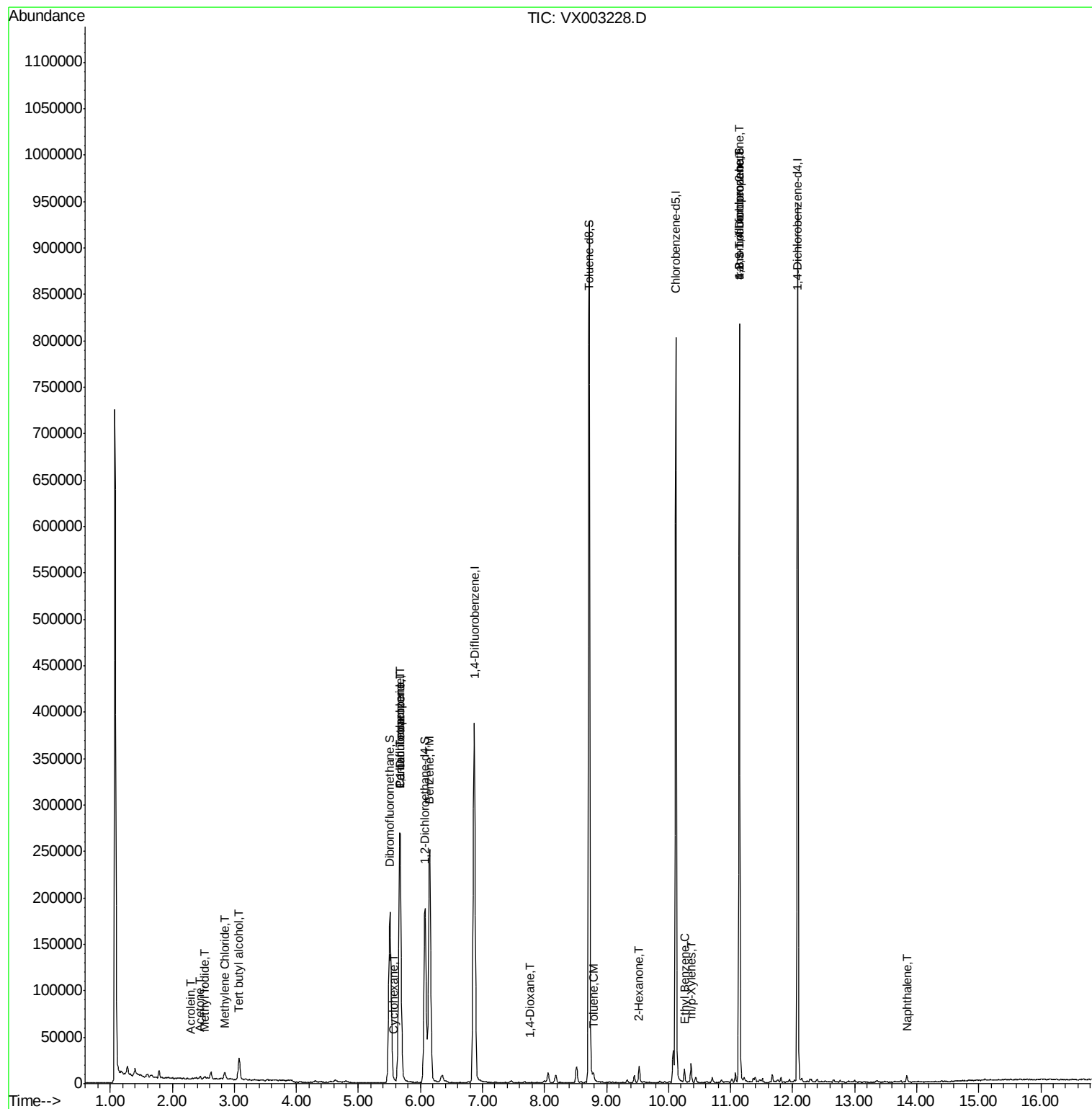
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	261	Below Cal		89
3) Chloromethane	1.32	50	1103	Below Cal	#	78
5) Bromomethane	1.65	94	2569	Below Cal		94
6) Chloroethane	1.72	64	123	Below Cal		93
10) Methyl Iodide	2.52	142	3033	7.06	ug/l	98
11) Tert butyl alcohol	3.07	59	29317	37.55	ug/l	97
13) Acrolein	2.29	56	63	4.37	ug/l	# 14
16) Acetone	2.45	43	3455	2.13	ug/l	100
20) Methylene Chloride	2.85	84	1026	0.32	ug/l	# 94
31) Cyclohexane	5.57	56	1496	0.30	ug/l	# 94
36) 1,1-Dichloropropene	5.67	75	18037	4.14	ug/l	# 51
38) Carbon Tetrachloride	5.67	117	24911	5.22	ug/l	# 16
40) Benzene	6.15	78	297791	23.55	ug/l	99
49) 1,4-Dioxane	7.77	88	20	0.25	ug/l	# 1
52) Toluene	8.79	92	1984	0.24	ug/l	90
59) 2-Hexanone	9.52	43	1593	0.43	ug/l	92
67) Ethyl Benzene	10.26	91	7615	0.49	ug/l	98
68) m/p-Xylenes	10.36	106	4829	0.81	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	96799	25.62	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	96799	72.69	ug/l	# 7
95) Naphthalene	13.84	128	4190	0.29	ug/l	97

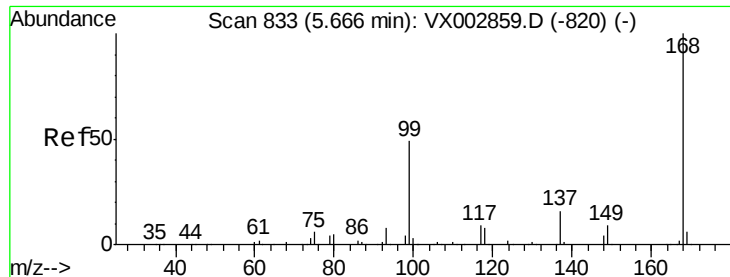
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070618\
Data File : VX003228.D
Acq On : 06 Jul 2018 22:26
Operator : JC/MD
Sample : J3754-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S10-0141

Quant Time: Jul 07 00:04:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
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: VX003228.D

Acq: 06 Jul 2018 22:26

Instrument :

MSVOA_X

ClientSampleId :

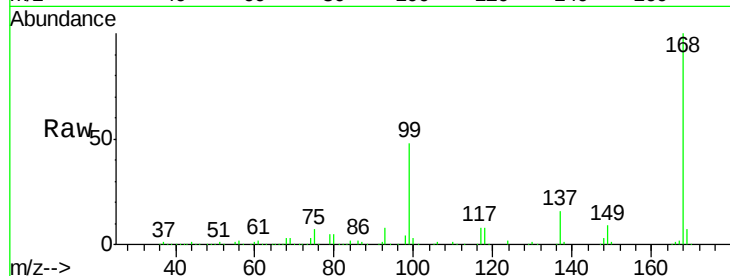
S10-0141

Tot Ion:168 Resp: 283579

Ion Ratio Lower Upper

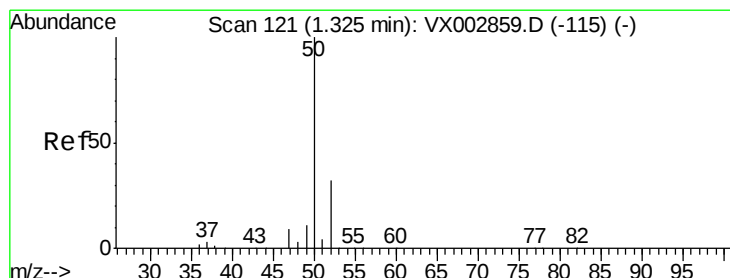
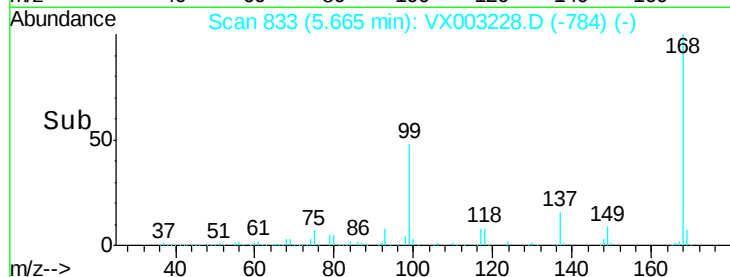
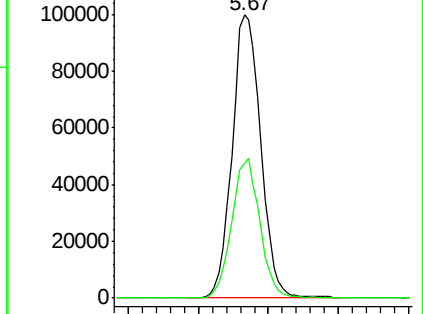
168 100

99 47.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003228.D

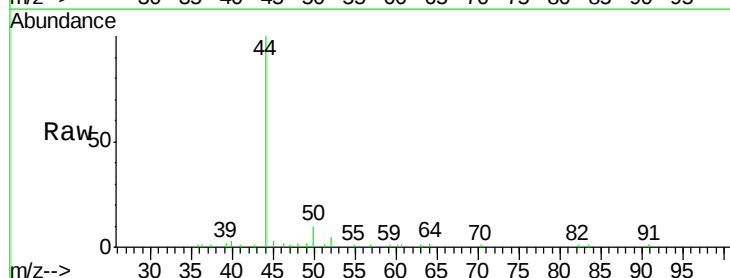
Acq: 06 Jul 2018 22:26

Tgt Ion: 50 Resp: 1103

Ion Ratio Lower Upper

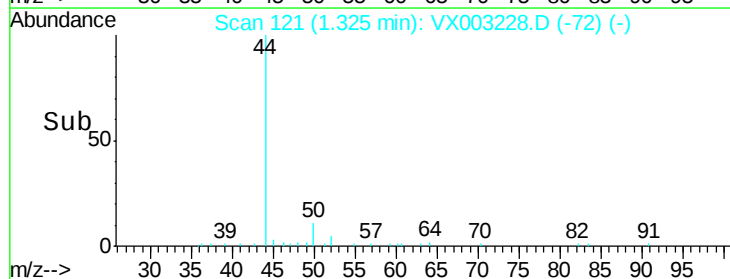
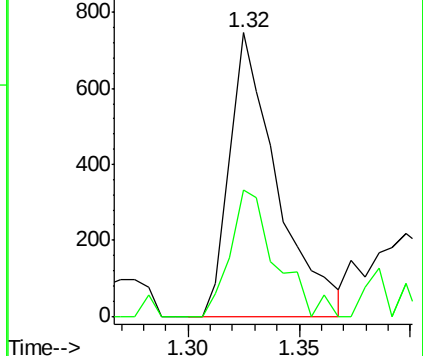
50 100

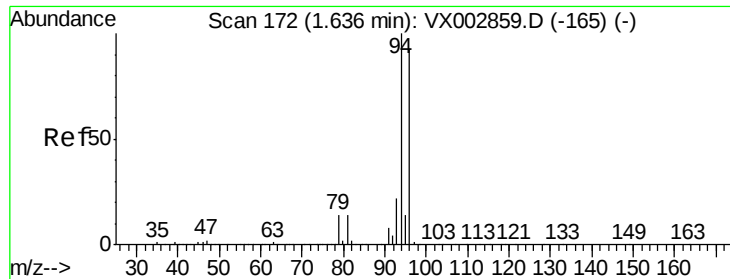
52 44.4 25.7 38.5#



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: VX003228.D

Acq: 06 Jul 2018 22:26

Instrument :

MSVOA_X

ClientSampleId :

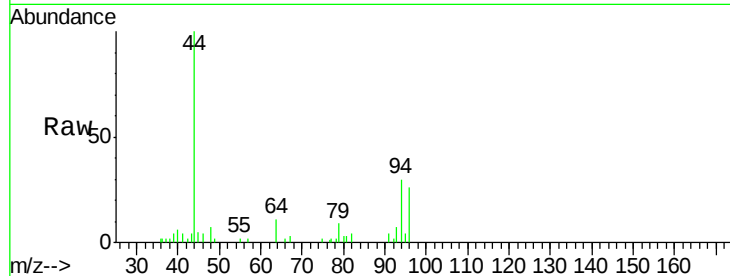
S10-0141

Tot Ion: 94 Resp: 2569

Ion Ratio Lower Upper

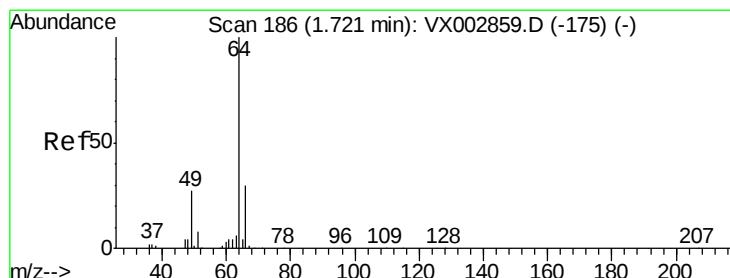
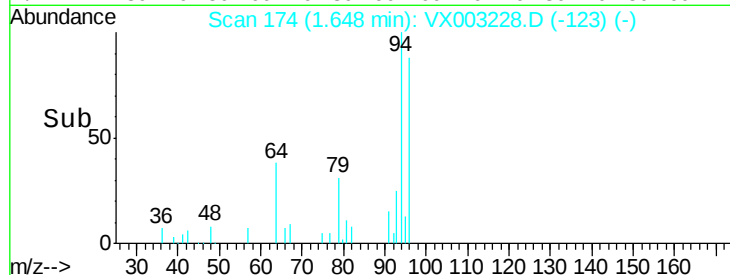
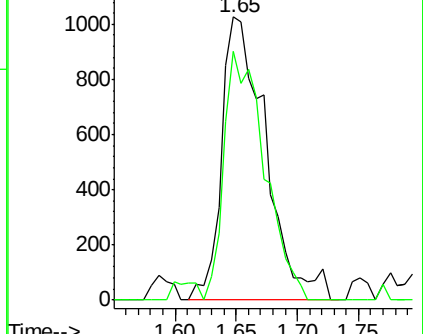
94 100

96 88.1 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: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX003228.D

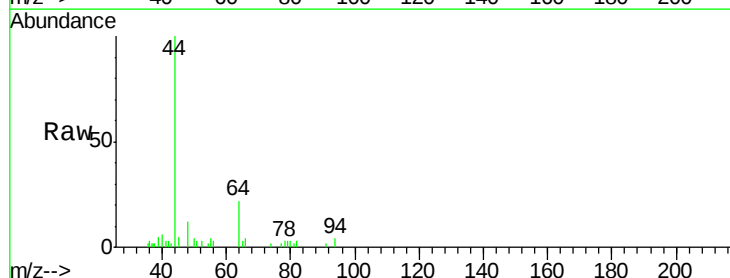
Acq: 06 Jul 2018 22:26

Tgt Ion: 64 Resp: 123

Ion Ratio Lower Upper

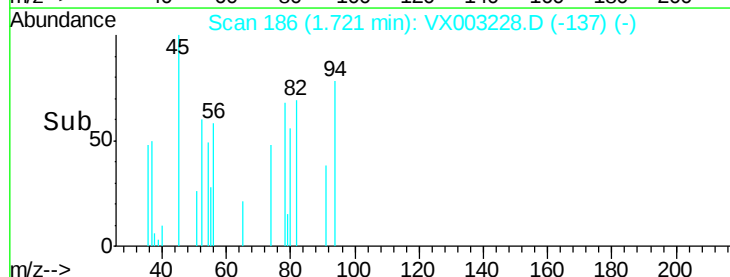
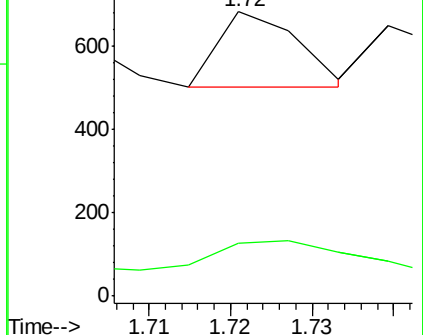
64 100

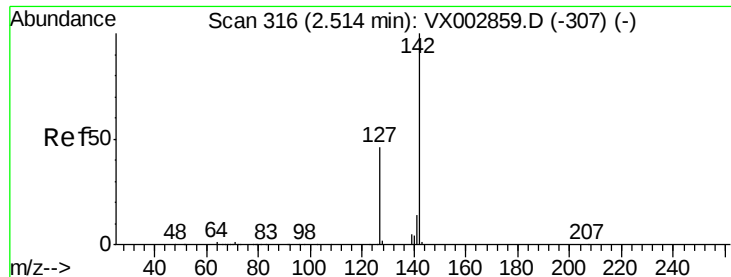
66 28.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methyl Iodide

Concen: 7.06 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003228.D

Acq: 06 Jul 2018 22:26

Instrument :

MSVOA_X

ClientSampleId :

S10-0141

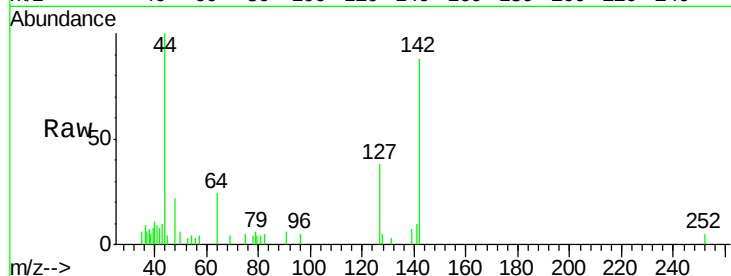
Tot Ion:142 Resp: 3033

Ion Ratio Lower Upper

142 100

127 44.2 36.6 55.0

141 14.6 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

2000

1500

1000

500

0

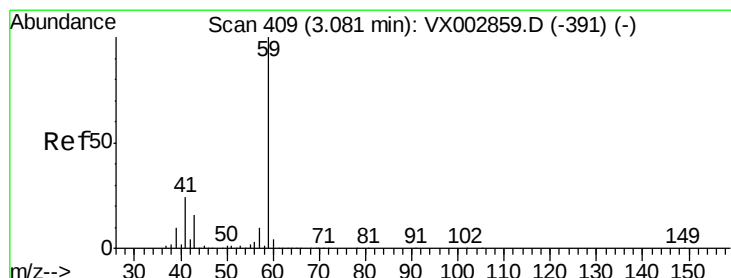
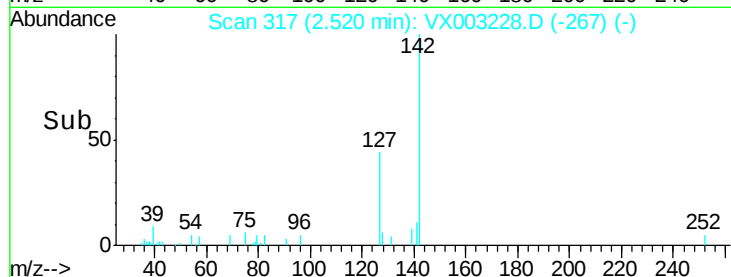
Time-->

2.45

2.50

2.55

2.60



#11

Tert butyl alcohol

Concen: 37.55 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX003228.D

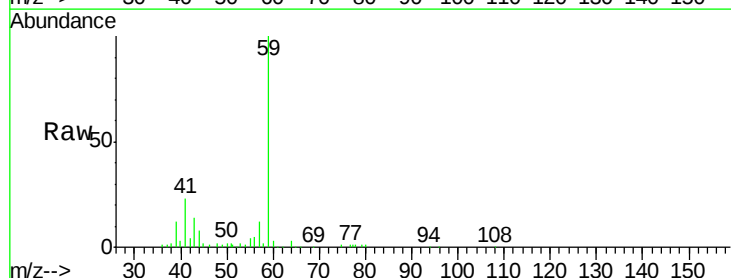
Acq: 06 Jul 2018 22:26

Tgt Ion: 59 Resp: 29317

Ion Ratio Lower Upper

59 100

57 11.2 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

15000

10000

5000

0

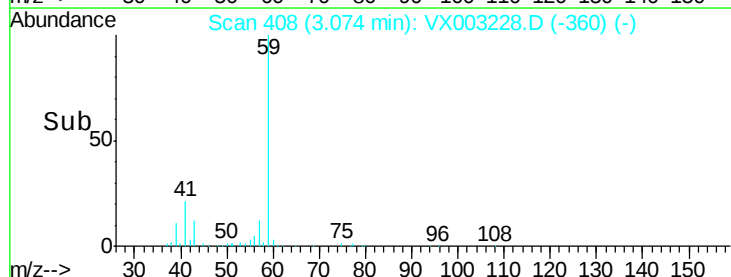
Time-->

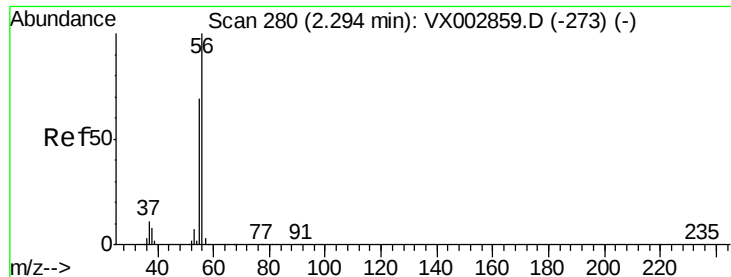
2.90

3.00

3.10

3.20





#13

Acrolein

Concen: 4.37 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX003228.D

Acq: 06 Jul 2018 22:26

Instrument :

MSVOA_X

ClientSampled :

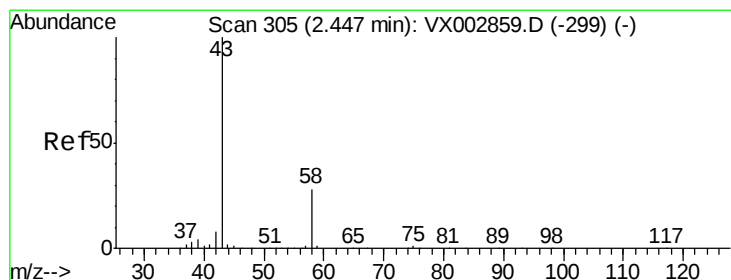
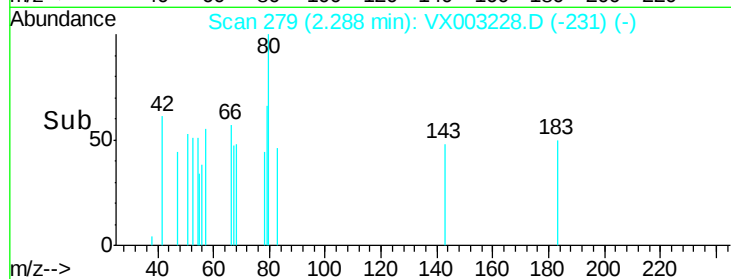
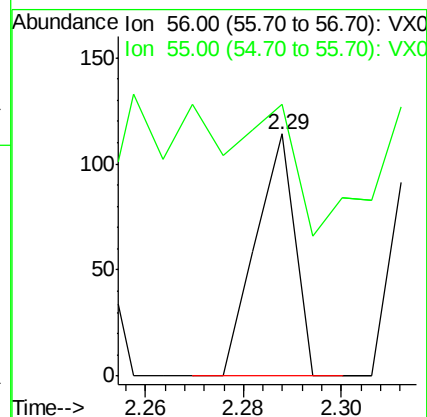
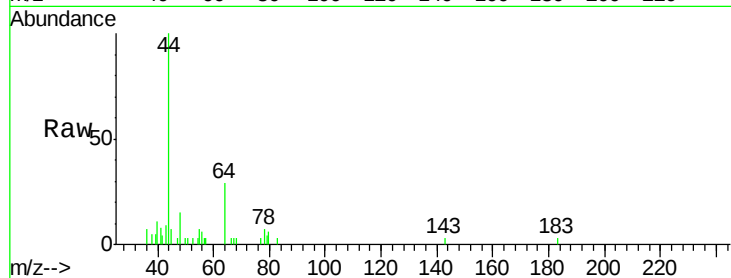
S10-0141

Tot Ion: 56 Resp: 63

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#16

Acetone

Concen: 2.13 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003228.D

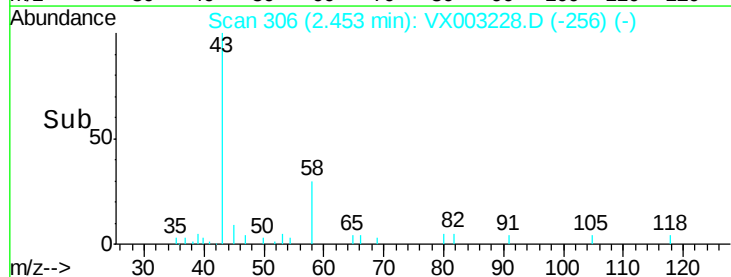
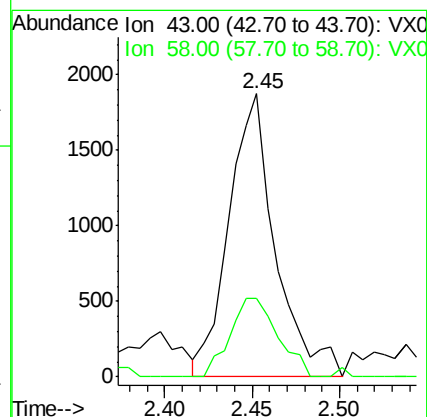
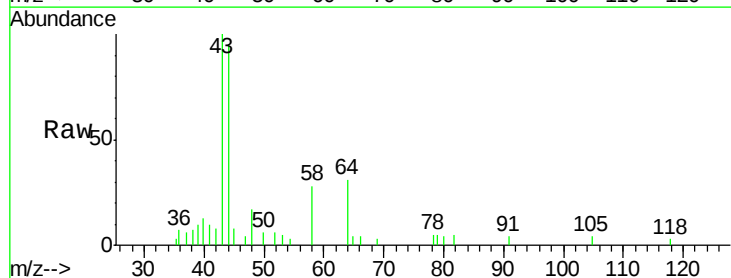
Acq: 06 Jul 2018 22:26

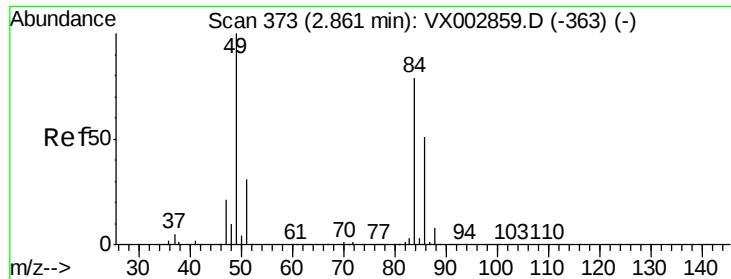
Tgt Ion: 43 Resp: 3455

Ion Ratio Lower Upper

43 100

58 27.8 22.1 33.1

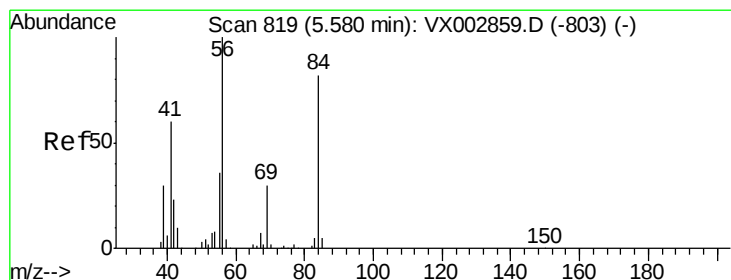
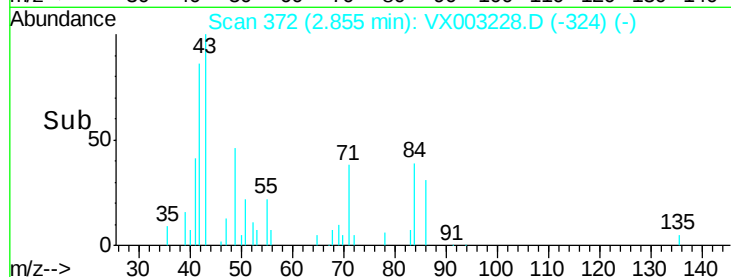
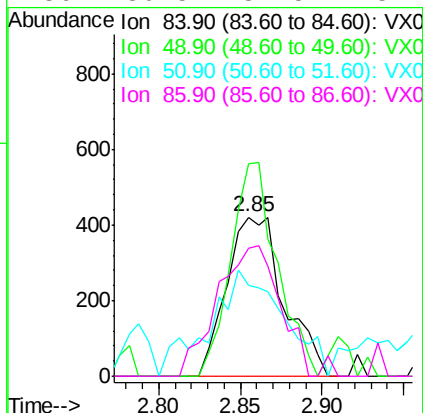
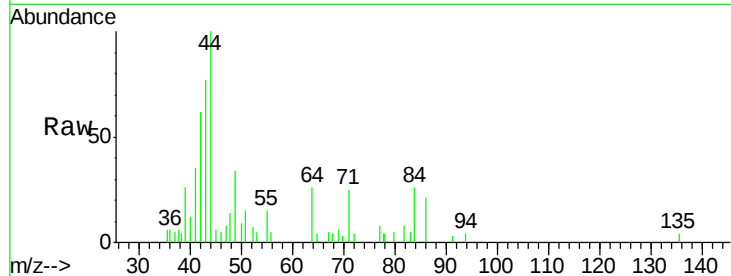




#20
Methylene Chloride
Concen: 0.32 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX003228.D
Acq: 06 Jul 2018 22:26

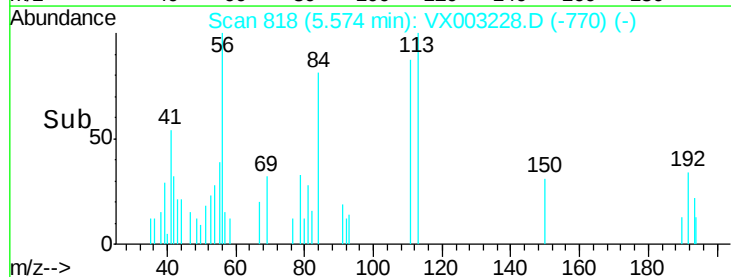
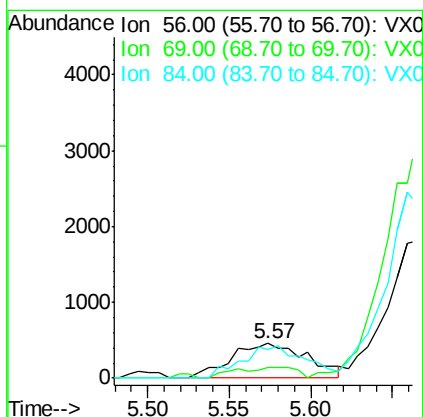
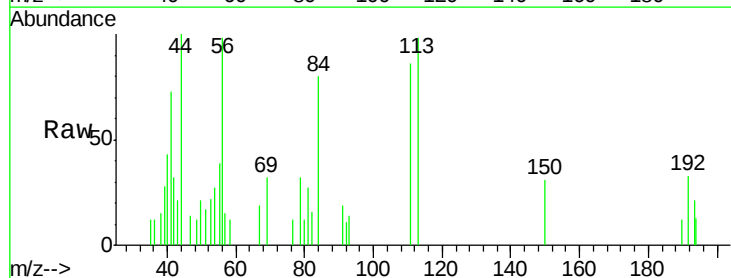
Instrument :
MSVOA_X
ClientSampled :
S10-0141

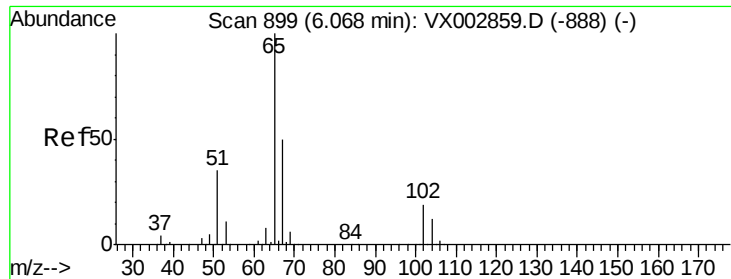
Tot Ion: 84 Resp: 1026
Ion Ratio Lower Upper
84 100
49 133.3 107.8 161.6
51 40.4 32.8 49.2
86 80.5 52.5 78.7#



#31
Cyclohexane
Concen: 0.30 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX003228.D
Acq: 06 Jul 2018 22:26

Tgt Ion: 56 Resp: 1496
Ion Ratio Lower Upper
56 100
69 19.1 23.7 35.5#
84 81.1 64.1 96.1





#33

1,2-Dichloroethane-d4

Concen: 46.55 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003228.D

Acq: 06 Jul 2018 22:26

Instrument :

MSVOA_X

ClientSampleId :

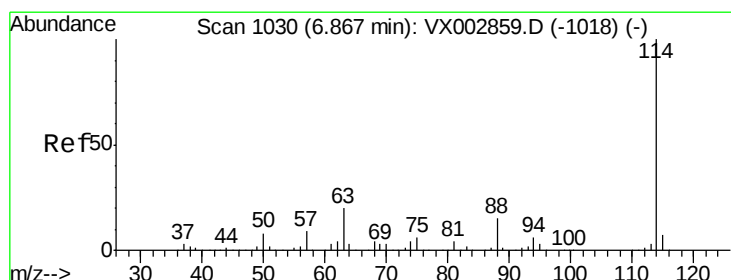
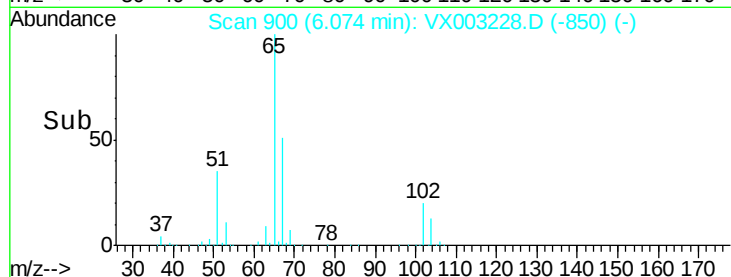
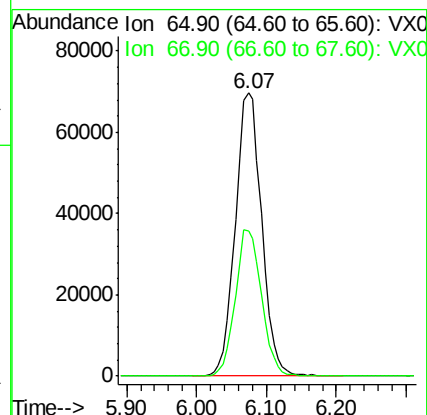
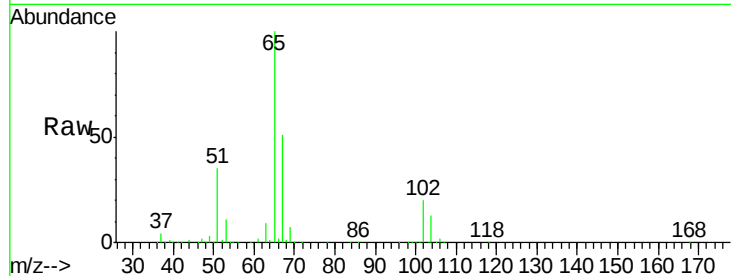
S10-0141

Tot Ion: 65 Resp: 182447

Ion Ratio Lower Upper

65 100

67 51.5 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: VX003228.D

Acq: 06 Jul 2018 22:26

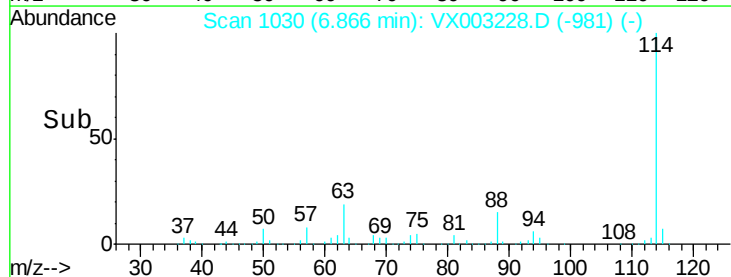
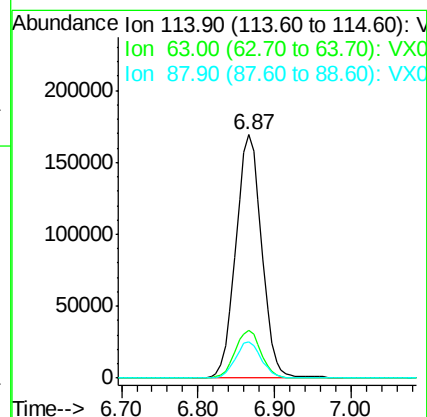
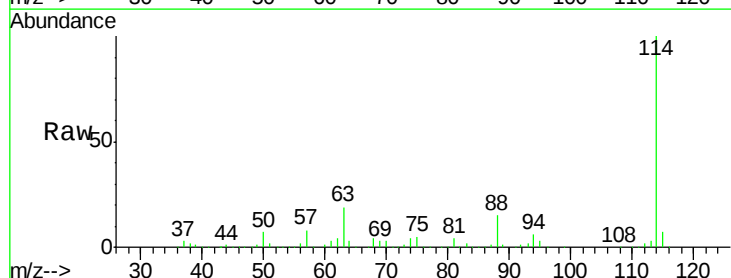
Tgt Ion: 114 Resp: 396873

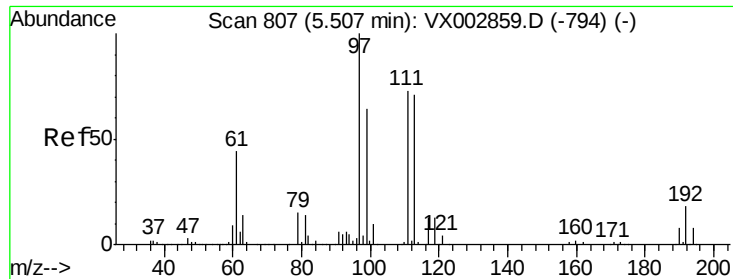
Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.4

88 14.7 0.0 30.0

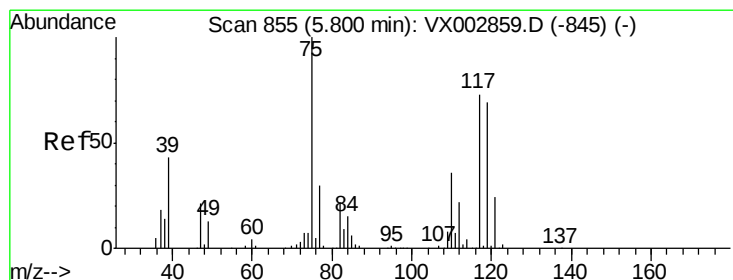
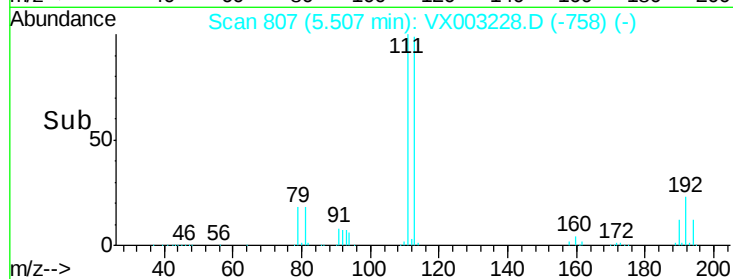
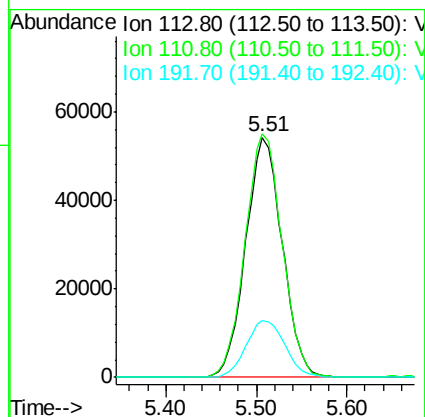
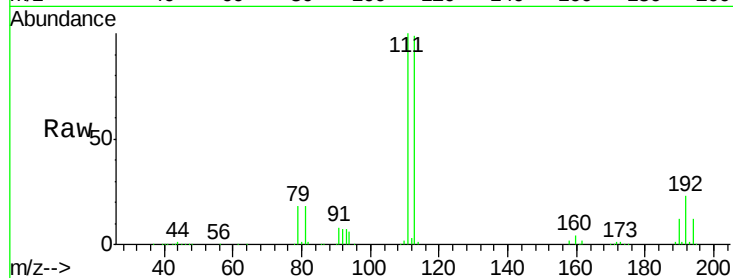




#35
 Dibromofluoromethane
 Concen: 48.16 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003228.D
 Acq: 06 Jul 2018 22:26

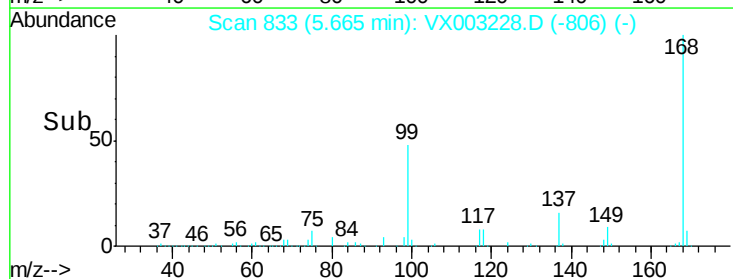
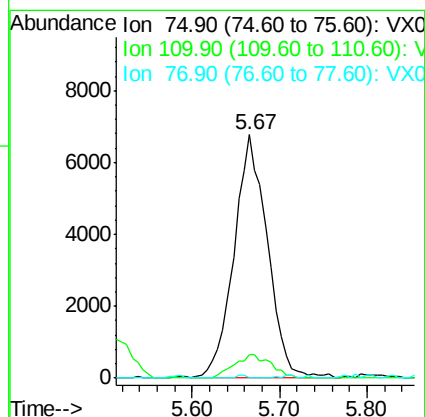
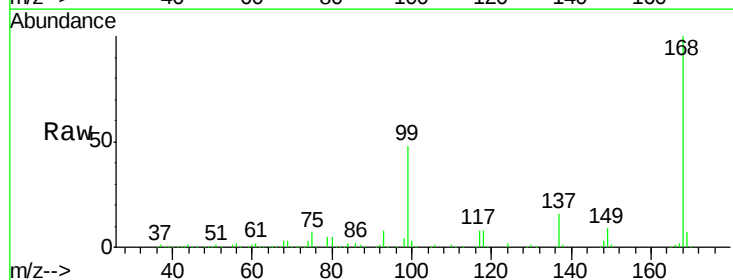
Instrument :
 MSVOA_X
 ClientSampleId :
 S10-0141

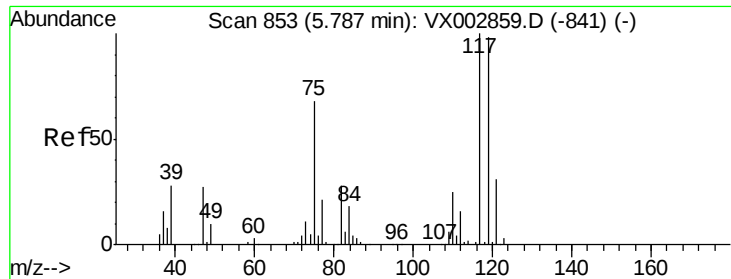
Tot Ion:113 Resp: 151373
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.4 122.0
 192 25.0 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.14 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003228.D
 Acq: 06 Jul 2018 22:26

Tgt Ion: 75 Resp: 18037
 Ion Ratio Lower Upper
 75 100
 110 10.6 18.1 54.4#
 77 0.3 24.3 36.5#

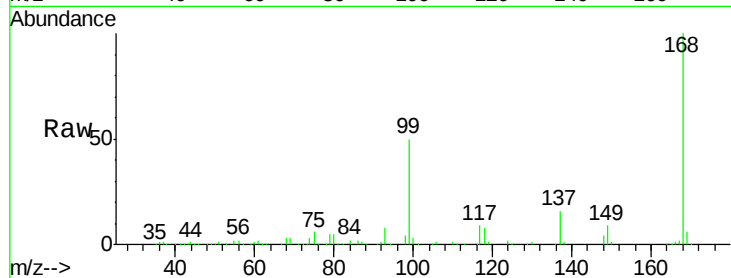




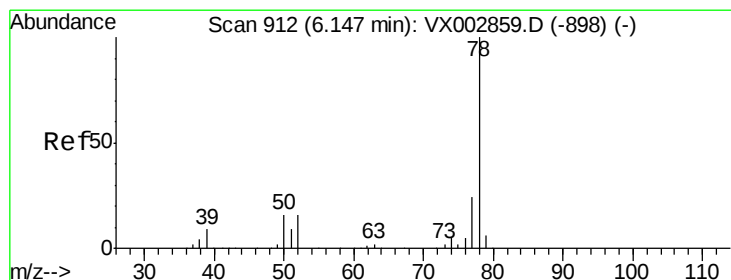
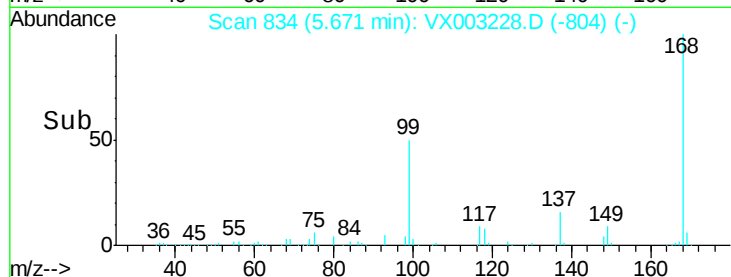
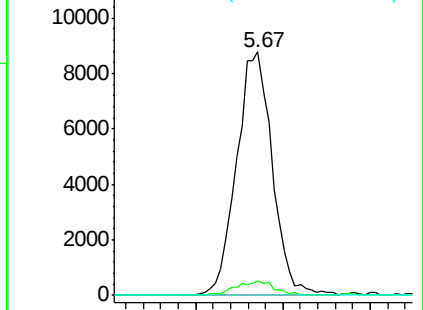
#38
Carbon Tetrachloride
Concen: 5.22 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX003228.D
Acq: 06 Jul 2018 22:26

Instrument :
MSVOA_X
ClientSampleId :
S10-0141

Tot Ion:117 Resp: 24911
Ion Ratio Lower Upper
117 100
119 6.1 77.4 116.0#
121 0.0 24.4 36.6#

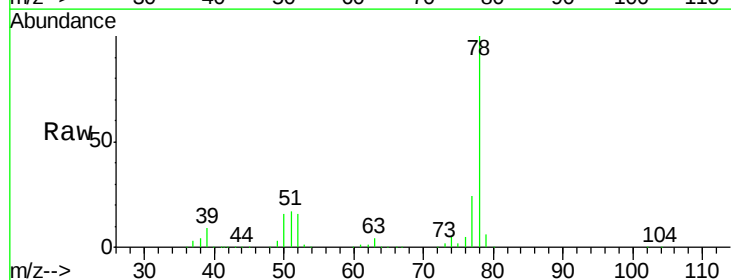


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

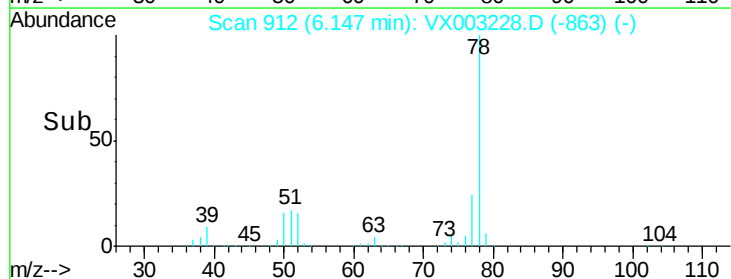
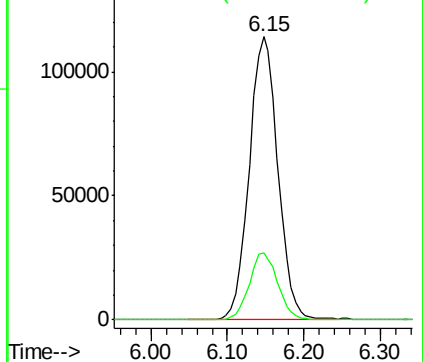


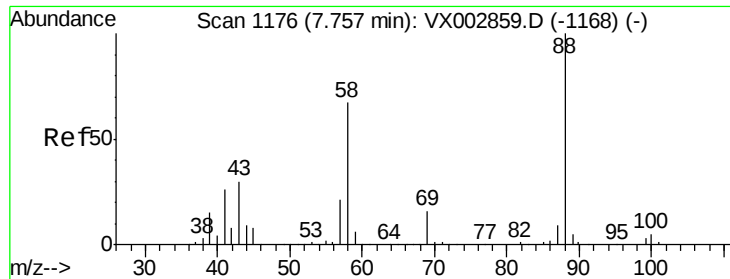
#40
Benzene
Concen: 23.55 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003228.D
Acq: 06 Jul 2018 22:26

Tgt Ion: 78 Resp: 297791
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#49

1,4-Dioxane

Concen: 0.25 ug/l

RT: 7.77 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VX003228.D

Acq: 06 Jul 2018 22:26

Instrument :

MSVOA_X

ClientSampled :

S10-0141

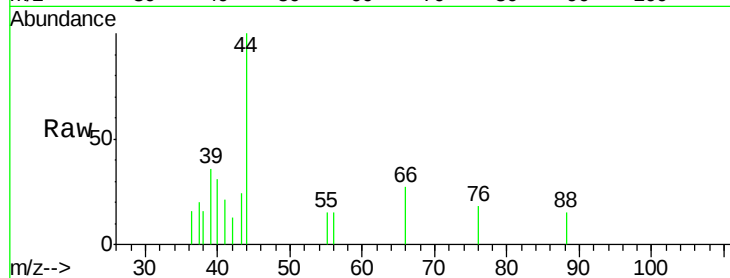
Tot Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 555.0 29.8 44.6#

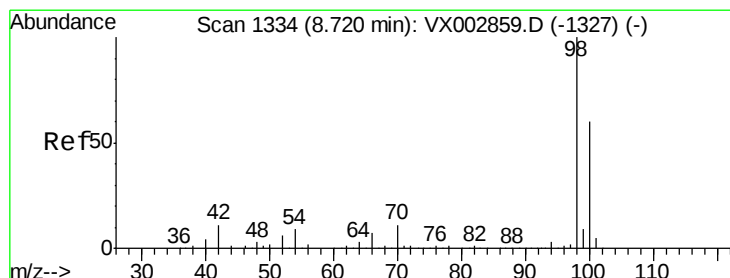
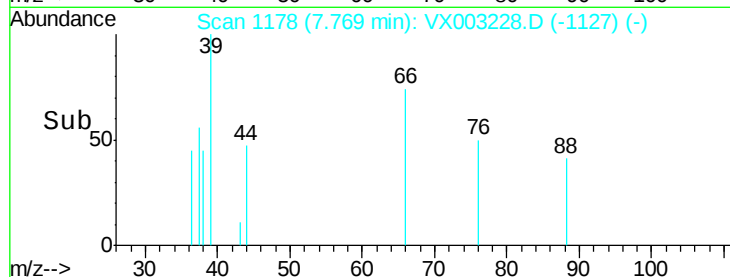
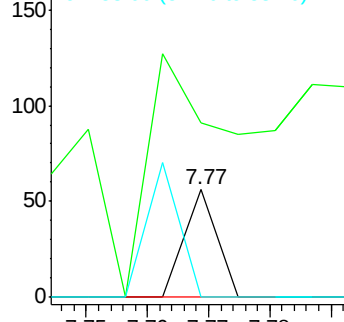
58 130.0 57.1 85.7#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 47.90 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003228.D

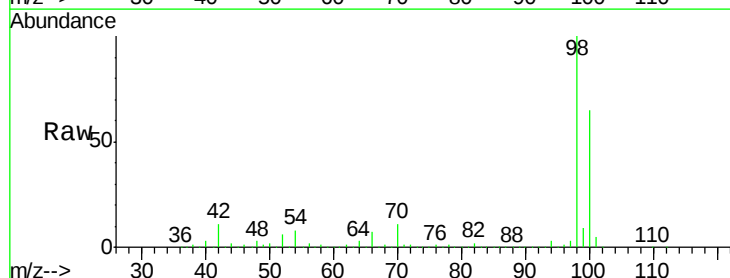
Acq: 06 Jul 2018 22:26

Tgt Ion: 98 Resp: 549728

Ion Ratio Lower Upper

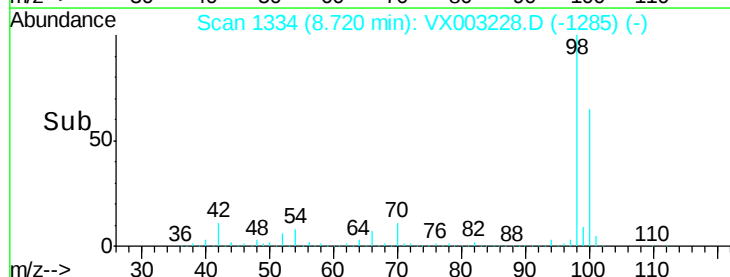
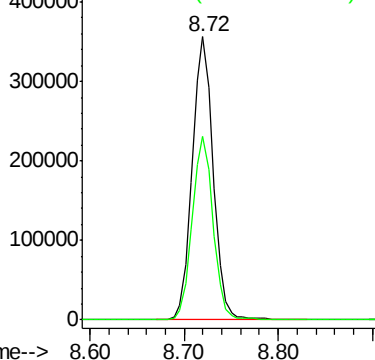
98 100

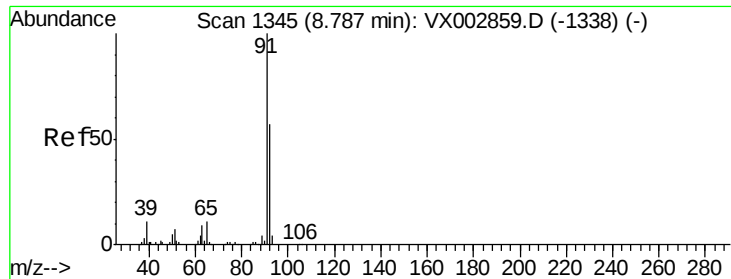
100 64.6 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 0.24 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003228.D

Acq: 06 Jul 2018 22:26

Instrument :

MSVOA_X

ClientSampleId :

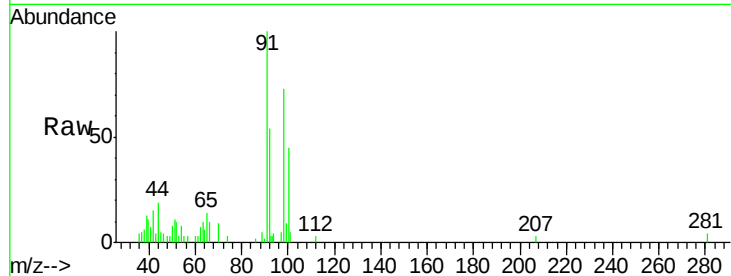
S10-0141

Tot Ion: 92 Resp: 1984

Ion Ratio Lower Upper

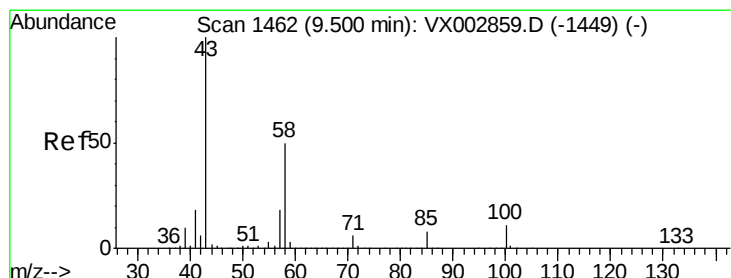
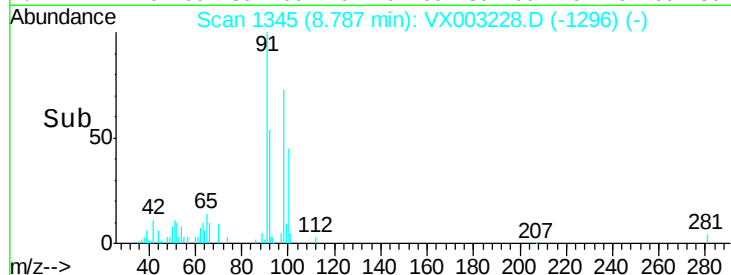
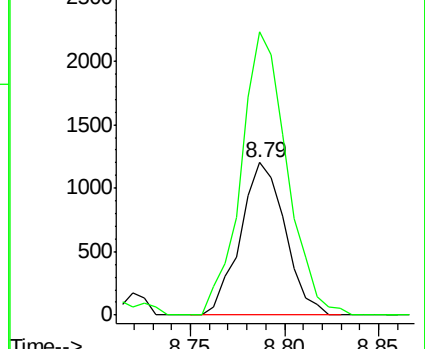
92 100

91 190.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#59

2-Hexanone

Concen: 0.43 ug/l

RT: 9.52 min Scan# 1466

Delta R.T. 0.02 min

Lab File: VX003228.D

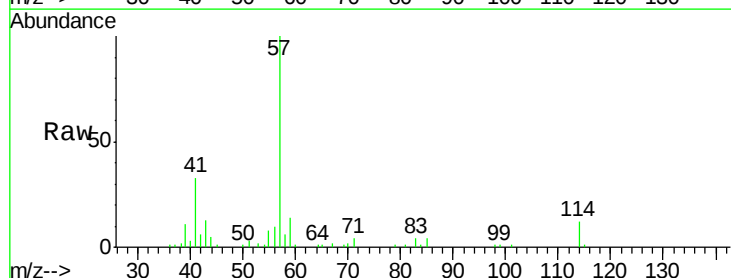
Acq: 06 Jul 2018 22:26

Tgt Ion: 43 Resp: 1593

Ion Ratio Lower Upper

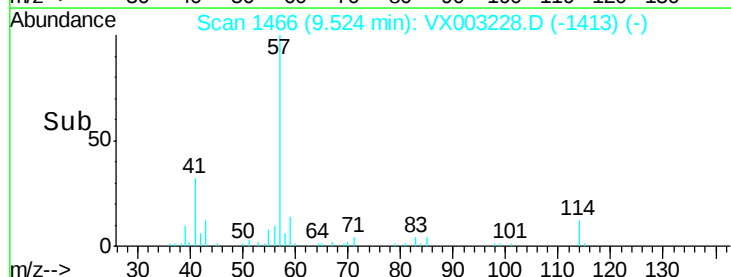
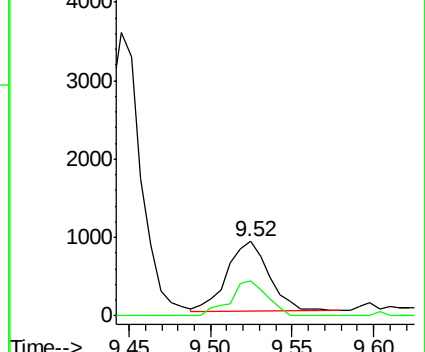
43 100

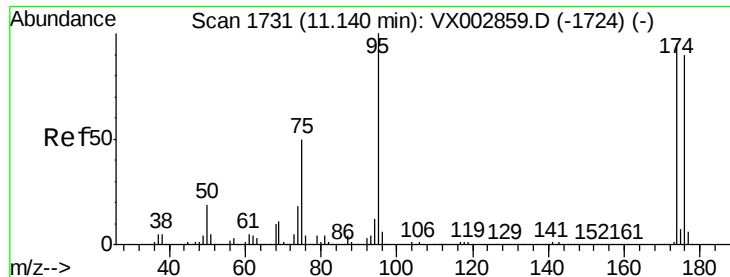
58 43.9 24.6 73.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

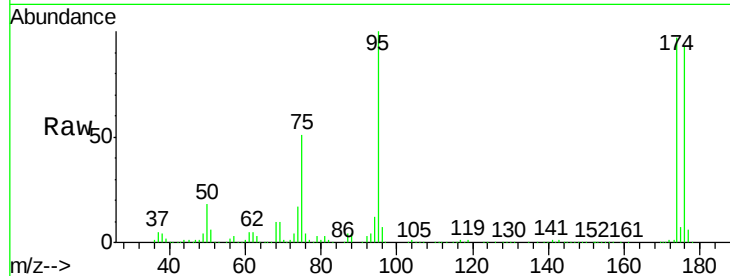




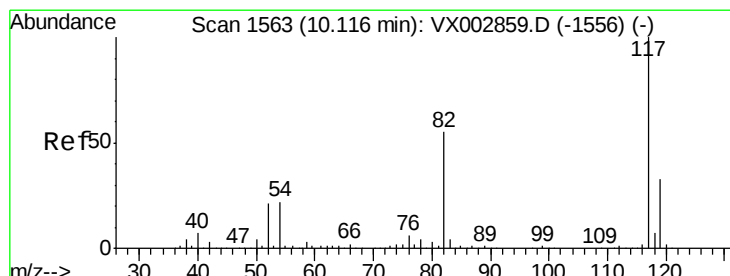
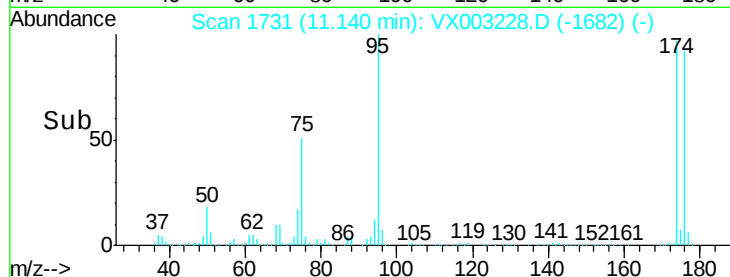
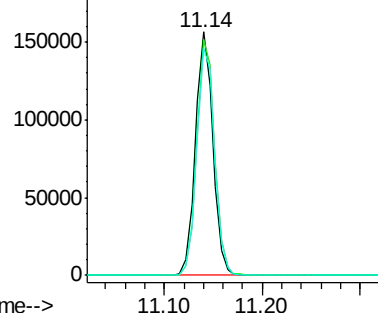
#62
4-Bromofluorobenzene
Concen: 43.59 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003228.D
Acq: 06 Jul 2018 22:26

Instrument :
MSVOA_X
ClientSampleId :
S10-0141

Tot Ion: 95 Resp: 192920
Ion Ratio Lower Upper
95 100
174 99.2 0.0 187.4
176 96.0 0.0 181.0

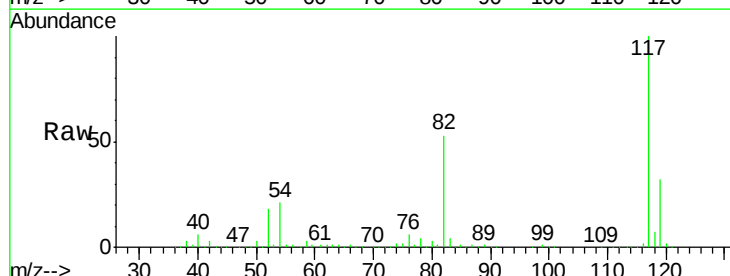


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

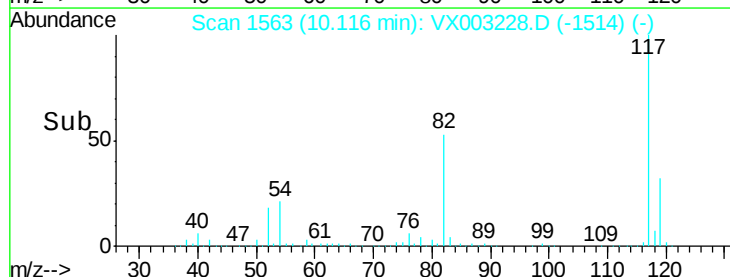
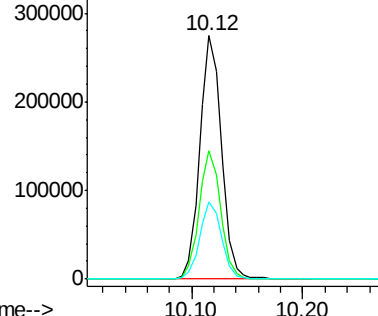


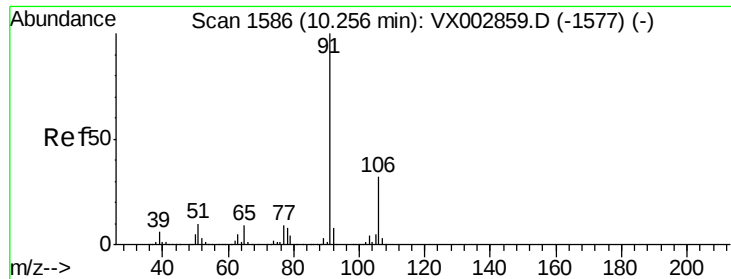
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003228.D
Acq: 06 Jul 2018 22:26

Tgt Ion: 117 Resp: 368566
Ion Ratio Lower Upper
117 100
82 52.8 45.0 67.4
119 31.9 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

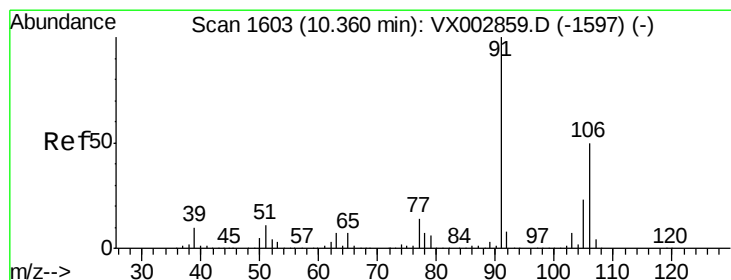
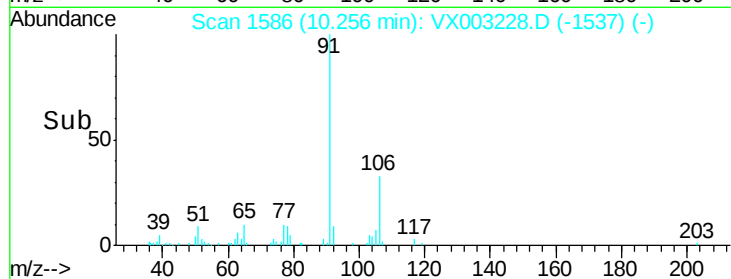
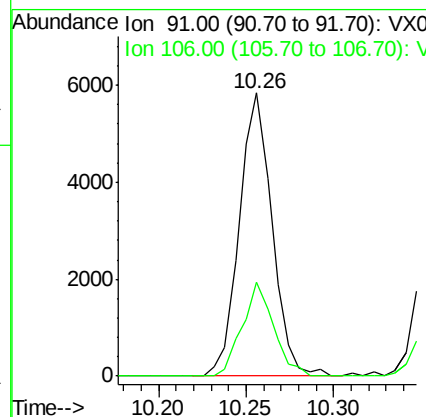
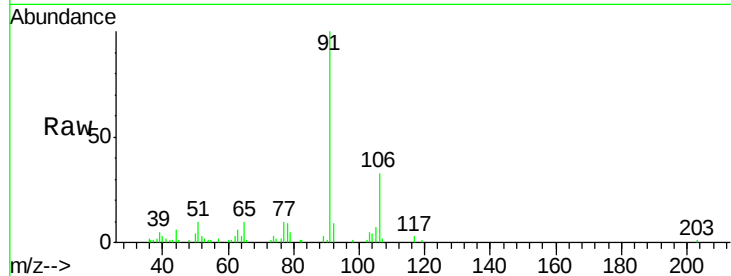




#67
Ethyl Benzene
Concen: 0.49 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003228.D
Acq: 06 Jul 2018 22:26

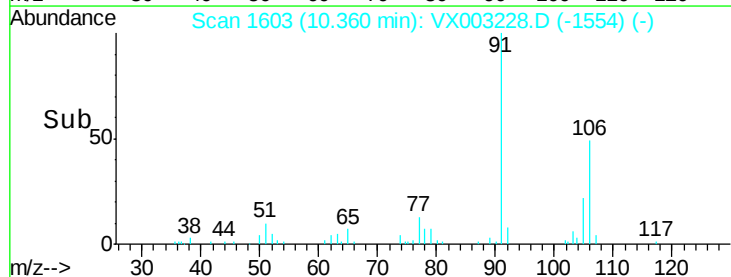
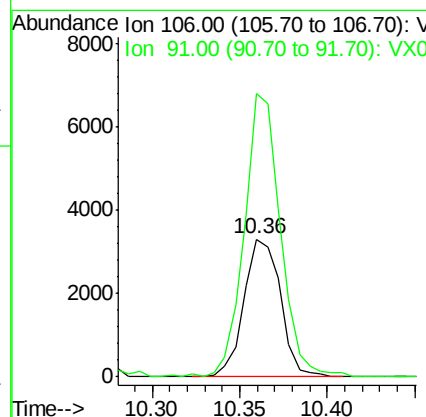
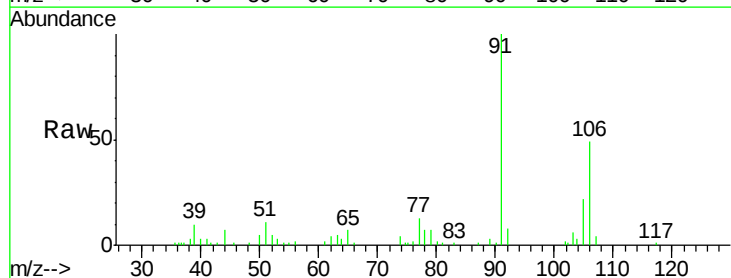
Instrument :
MSVOA_X
ClientSampleId :
S10-0141

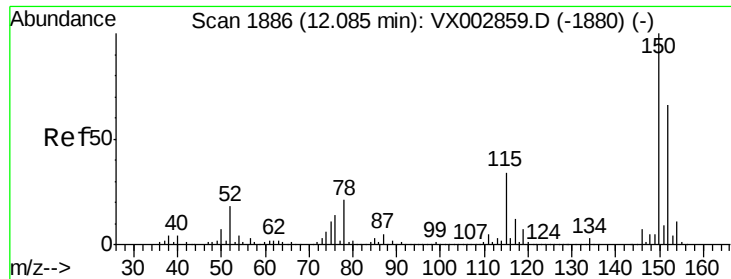
Tot Ion: 91 Resp: 7615
Ion Ratio Lower Upper
91 100
106 33.3 25.5 38.3



#68
m/p-Xylenes
Concen: 0.81 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003228.D
Acq: 06 Jul 2018 22:26

Tgt Ion: 106 Resp: 4829
Ion Ratio Lower Upper
106 100
91 202.9 163.4 245.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003228.D

Acq: 06 Jul 2018 22:26

Instrument :

MSVOA_X

ClientSampleId :

S10-0141

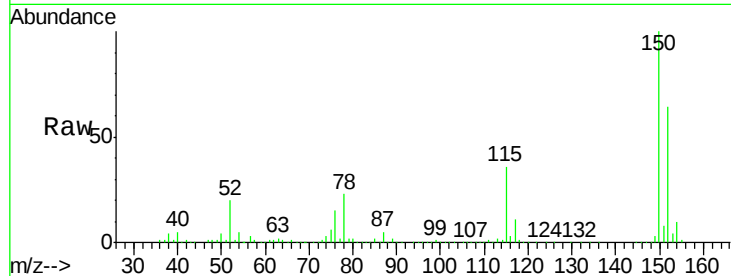
Tot Ion:152 Resp: 208624

Ion Ratio Lower Upper

152 100

115 53.4 40.1 120.2

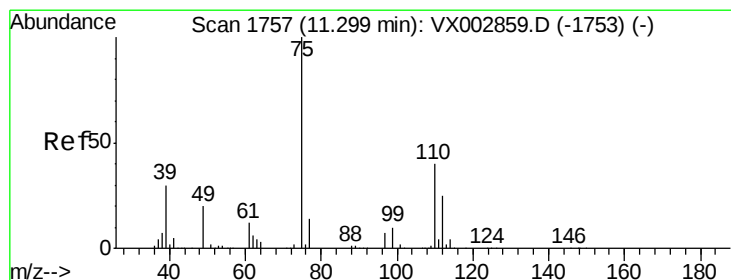
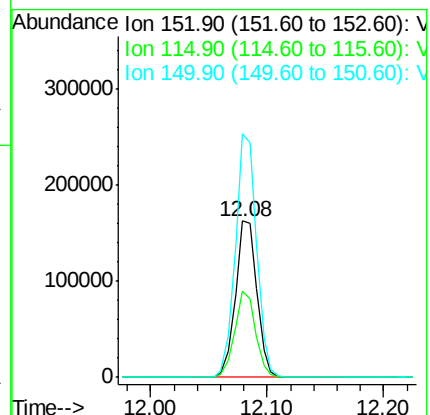
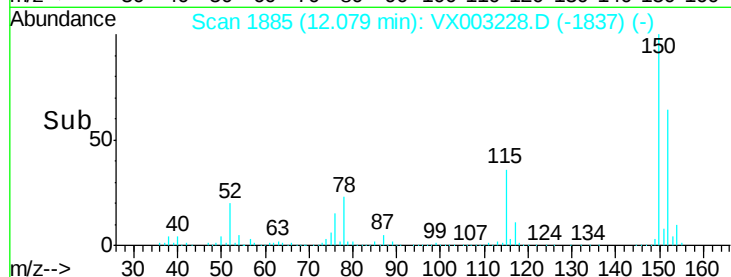
150 154.3 0.0 347.2



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: 25.62 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003228.D

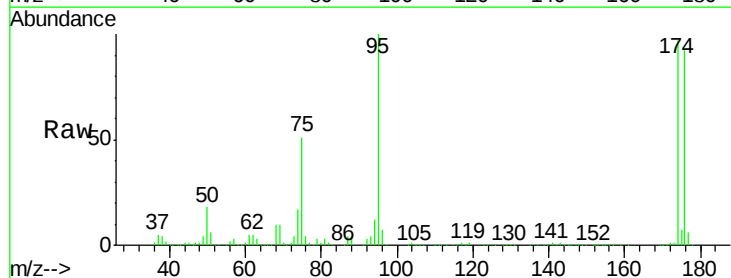
Acq: 06 Jul 2018 22:26

Tgt Ion: 75 Resp: 96799

Ion Ratio Lower Upper

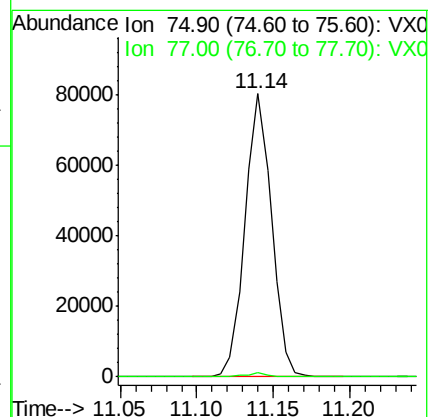
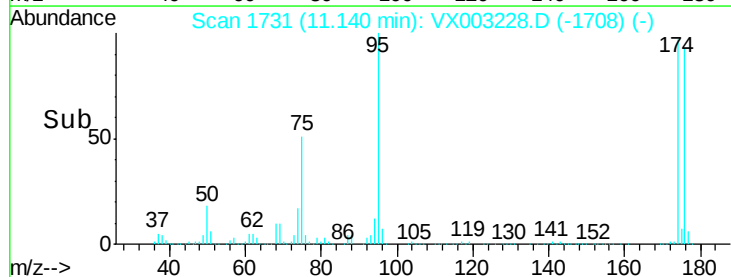
75 100

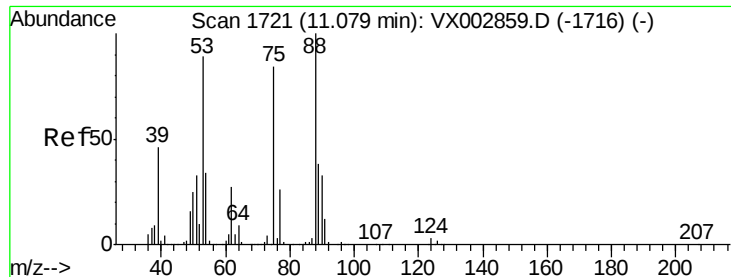
77 1.3 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

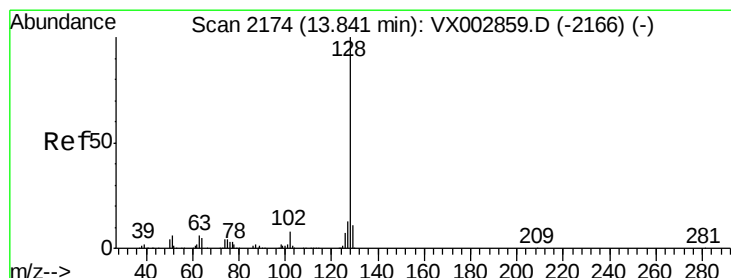
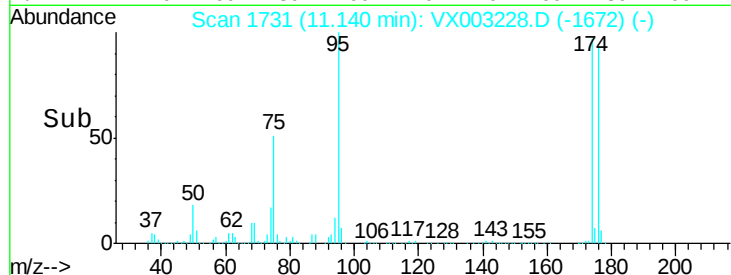
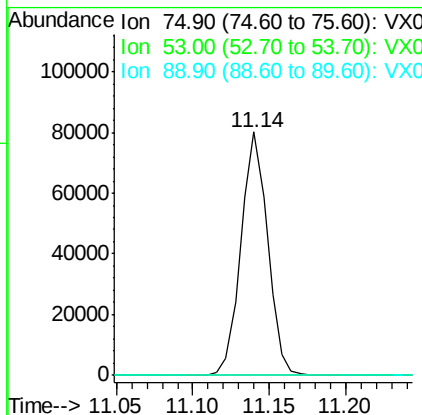
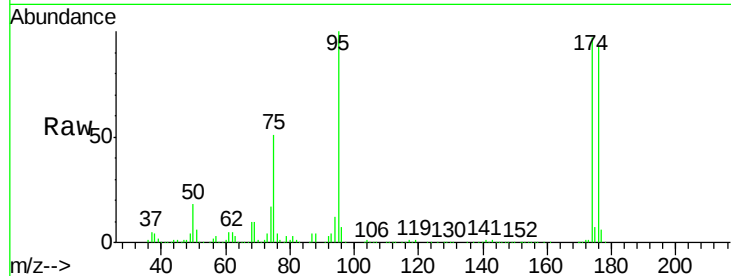




#81
trans-1,4-Dichloro-2-butene
Concen: 72.69 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX003228.D
Acq: 06 Jul 2018 22:26

Instrument :
MSVOA_X
ClientSampleId :
S10-0141

Tot Ion: 75 Resp: 96799
Ion Ratio Lower Upper
75 100
53 0.5 86.8 130.2#
89 0.0 38.2 57.2#



#95
Naphthalene
Concen: 0.29 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX003228.D
Acq: 06 Jul 2018 22:26

Tgt Ion: 128 Resp: 4190
Ion Ratio Lower Upper
128 100
127 15.1 10.4 15.6
129 11.1 8.6 13.0

