

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
 Data File : VX000239.D
 Acq On : 08 Mar 2018 23:33
 Operator : JC/MD
 Sample : J1826-05 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3-A-COMP

Quant Time: Mar 09 04:19:39 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	7305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	12292	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	11811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	5947	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.09	65	6223	61.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.90%	
35) Dibromofluoromethane	5.52	113	4546	58.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.76%	
50) Toluene-d8	8.73	98	19030	59.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.02%	
62) 4-Bromofluorobenzene	11.15	95	6160	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	423	5.44	ug/l #	62
4) Vinyl Chloride	1.50	62	21	0.23	ug/l #	43
5) Bromomethane	1.67	94	52	Below Cal	#	3
6) Chloroethane	1.73	64	57	0.54	ug/l #	42
8) Diethyl Ether	2.20	74	132	2.39	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	2.40	101	20	0.24	ug/l #	17
10) Methyl Iodide	2.73	142	19	3.35	ug/l #	37
11) Tert butyl alcohol	3.06	59	22	0.59	ug/l #	72
12) 1,1-Dichloroethene	2.34	96	21	0.27	ug/l #	1
13) Acrolein	2.30	56	22	1.12	ug/l #	1
14) Allyl chloride	2.74	41	138	0.97	ug/l #	58
15) Acrylonitrile	3.15	53	21	0.32	ug/l #	1
16) Acetone	2.46	43	1840	25.30	ug/l #	75
17) Carbon Disulfide	2.58	76	255	1.21	ug/l #	44
18) Methyl Acetate	2.78	43	1097	7.08	ug/l #	77
20) Methylene Chloride	2.87	84	23000	265.19	ug/l	95
25) 2-Butanone	4.71	43	125	1.39	ug/l #	50
26) 2,2-Dichloropropane	4.75	77	210	1.92	ug/l #	53
29) Tetrahydrofuran	5.19	42	300	5.32	ug/l #	59
30) Chloroform	5.23	83	142	0.98	ug/l #	68
31) Cyclohexane	5.60	56	26	0.23	ug/l #	17
36) 1,1-Dichloropropene	5.89	75	23	0.21	ug/l #	41
38) Carbon Tetrachloride	5.67	117	406	3.67	ug/l #	12
41) Methacrylonitrile	5.07	41	31	0.38	ug/l #	1
43) Isopropyl Acetate	6.48	43	1535	6.72	ug/l #	81
47) Bromodichloromethane	7.92	83	23	0.21	ug/l #	26
48) Methyl methacrylate	7.79	41	54	0.48	ug/l #	1
51) 4-Methyl-2-Pentanone	8.73	43	125	0.72	ug/l	99
52) Toluene	8.81	92	126	0.58	ug/l	98
59) 2-Hexanone	9.46	43	254	1.73	ug/l #	25
67) Ethyl Benzene	10.26	91	339	0.81	ug/l #	70
68) m/p-Xylenes	10.36	106	313	1.95	ug/l	76
69) o-Xylene	10.71	106	169	1.10	ug/l	68
73) Isopropylbenzene	11.02	105	90	0.24	ug/l #	48

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

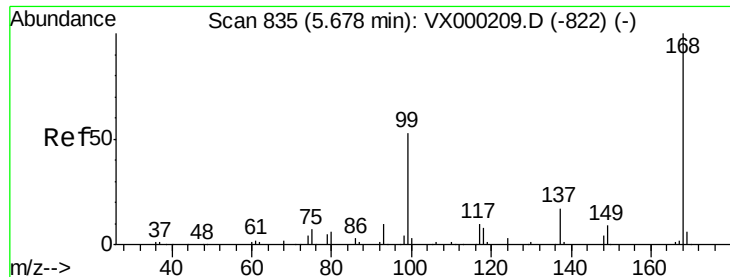
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3-A-COMP

Quant Time: Mar 09 04:19:39 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

74) N-amyl acetate	6.48	43	1535	8.06	ug/l #	86
76) 1,2,3-Trichloropropane	11.15	75	3525	29.57	ug/l #	32
78) n-propylbenzene	11.37	91	241	0.55	ug/l #	72
79) 2-Chlorotoluene	11.52	91	154	0.62	ug/l	83
80) 1,3,5-Trimethylbenzene	11.51	105	463	1.49	ug/l	72
81) trans-1,4-Dichloro-2-buten	11.15	75	3525	90.55	ug/l #	10
82) 4-Chlorotoluene	11.52	91	154	0.51	ug/l	74
84) 1,2,4-Trimethylbenzene	11.82	105	947	2.96	ug/l	98
85) sec-Butylbenzene	11.96	105	227	0.59	ug/l #	56
86) p-Isopropyltoluene	12.07	119	479	1.42	ug/l	90
87) 1,3-Dichlorobenzene	12.03	146	90	0.49	ug/l #	25
88) 1,4-Dichlorobenzene	12.11	146	128	0.67	ug/l #	59
89) n-Butylbenzene	12.39	91	334	1.03	ug/l	77
90) Hexachloroethane	12.77	117	232	4.27	ug/l #	11
91) 1,2-Dichlorobenzene	12.40	146	86	0.47	ug/l #	25
93) 1,2,4-Trichlorobenzene	13.65	180	85	0.64	ug/l #	1
95) Naphthalene	13.84	128	38720	84.18	ug/l	98
96) 1,2,3-Trichlorobenzene	14.04	180	50	0.38	ug/l #	49

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

Instrument :

MSVOA_X

ClientSampleId :

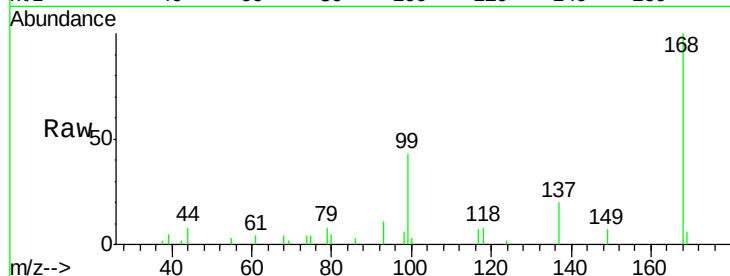
TP-3-A-COMP

Tot Ion:168 Resp: 7305

Ion Ratio Lower Upper

168 100

99 43.4 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

3000

2500

2000

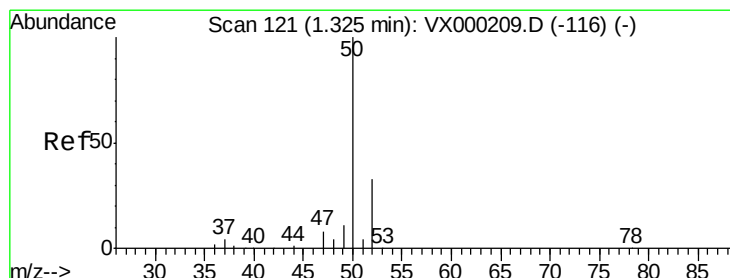
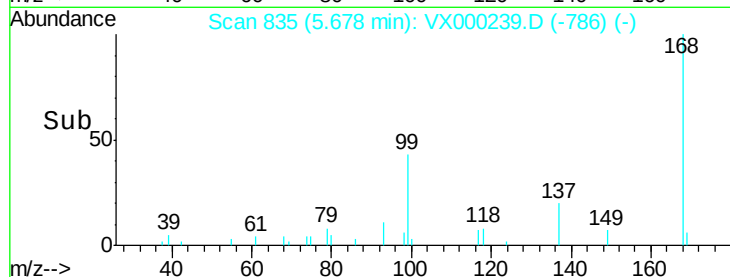
1500

1000

500

0

Time--> 5.55 5.60 5.65 5.70 5.75



#3

Chloromethane

Concen: 5.44 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000239.D

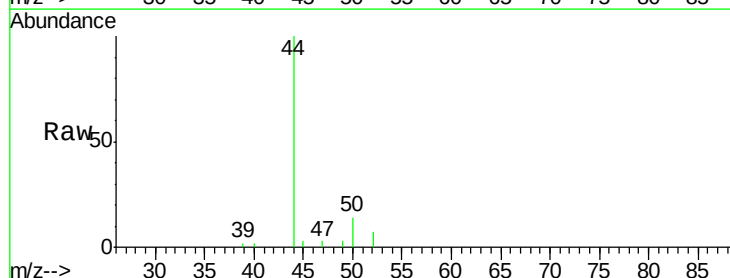
Acq: 08 Mar 2018 23:33

Tgt Ion: 50 Resp: 423

Ion Ratio Lower Upper

50 100

52 53.9 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

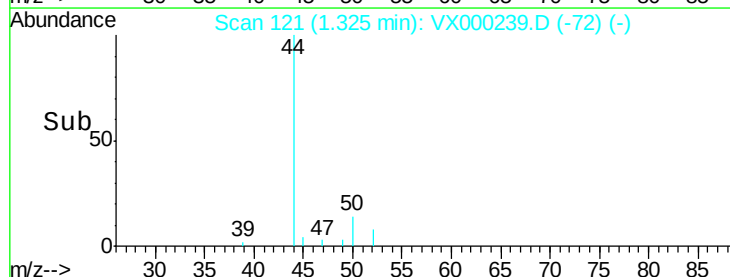
300

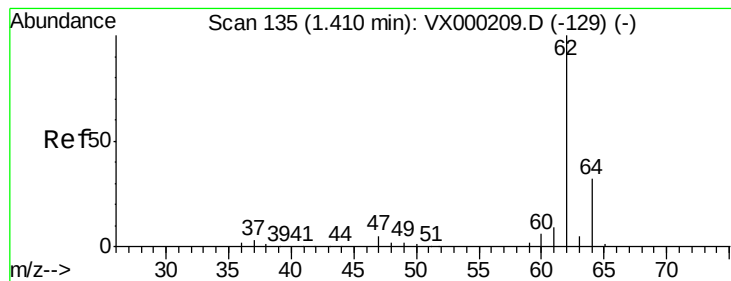
200

100

0

Time--> 1.28 1.30 1.32 1.34 1.36





#4

Vinyl Chloride

Concen: 0.23 ug/l

RT: 1.50 min Scan# 149

Delta R.T. 0.09 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

Instrument :

MSVOA_X

ClientSampled :

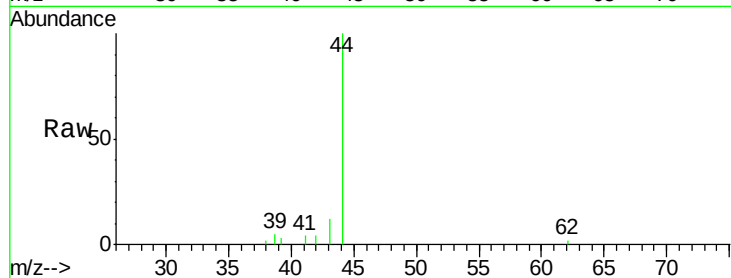
TP-3-A-COMP

Tot Ion: 62 Resp: 21

Ion Ratio Lower Upper

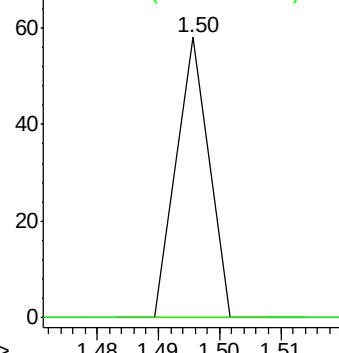
62 100

64 0.0 25.7 38.5#

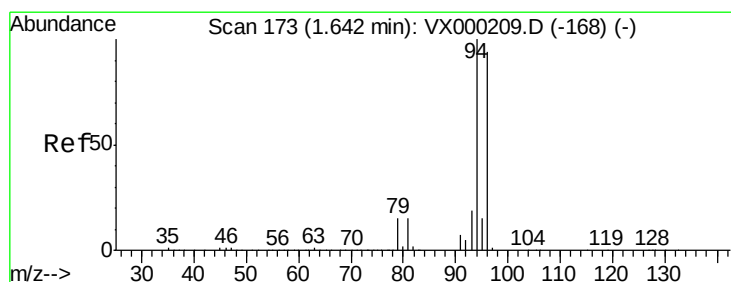
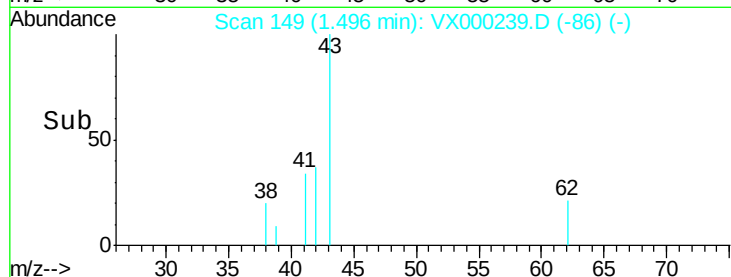


Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX000239.D

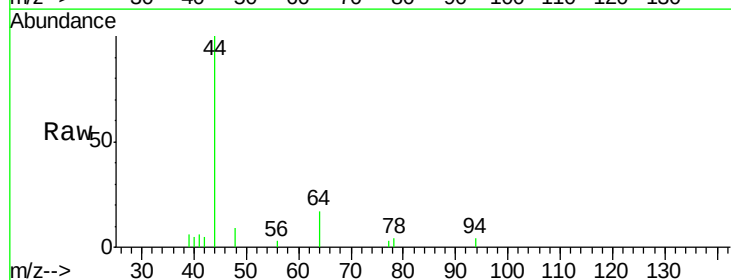
Acq: 08 Mar 2018 23:33

Tgt Ion: 94 Resp: 52

Ion Ratio Lower Upper

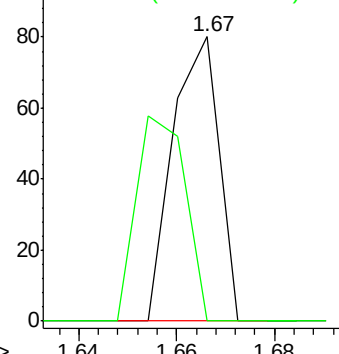
94 100

96 0.0 75.3 112.9#

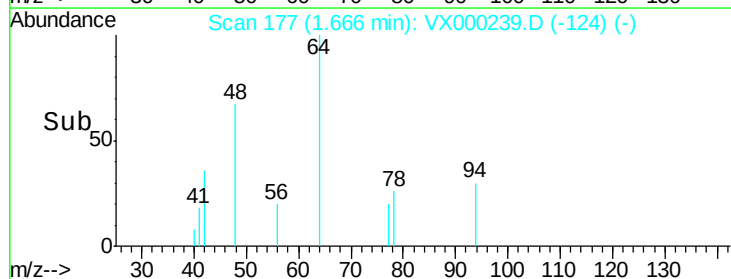


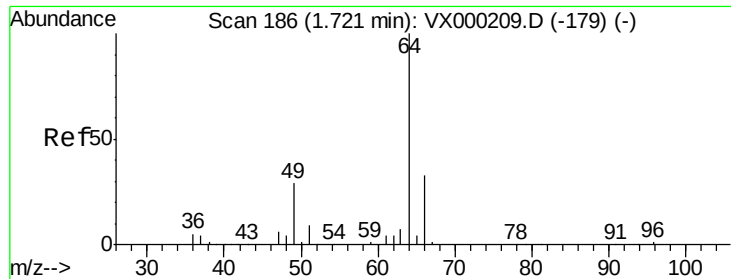
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->

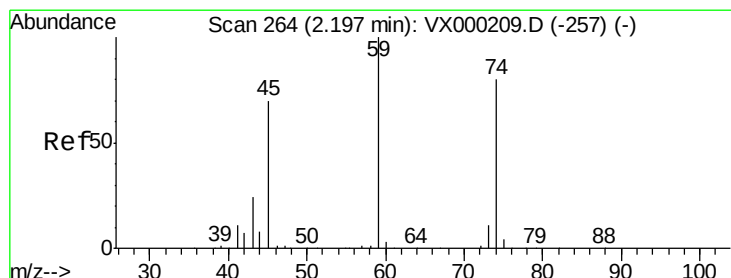
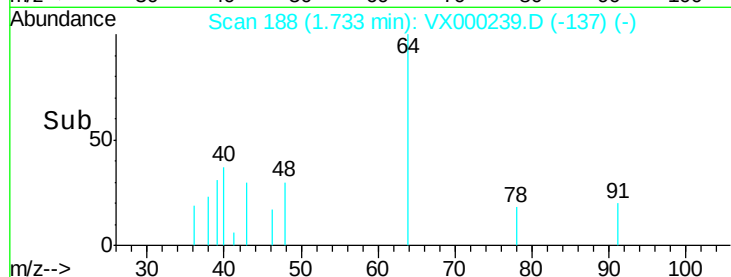
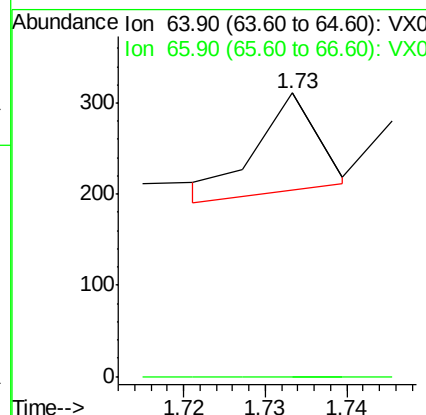
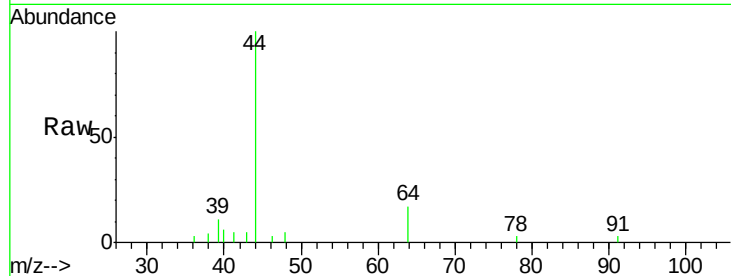




#6
 Chloroethane
 Concen: 0.54 ug/l
 RT: 1.73 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX000239.D
 Acq: 08 Mar 2018 23:33

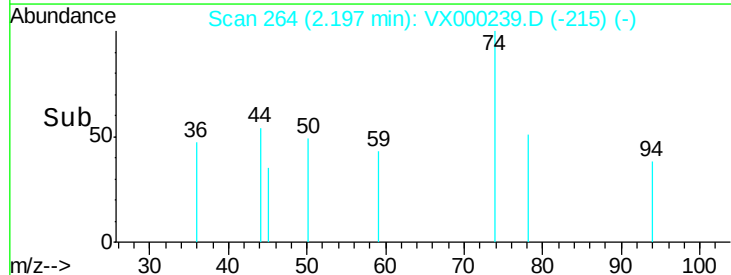
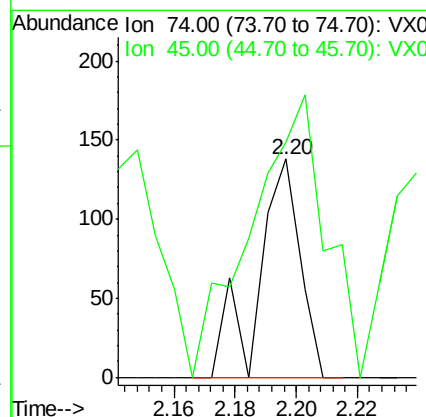
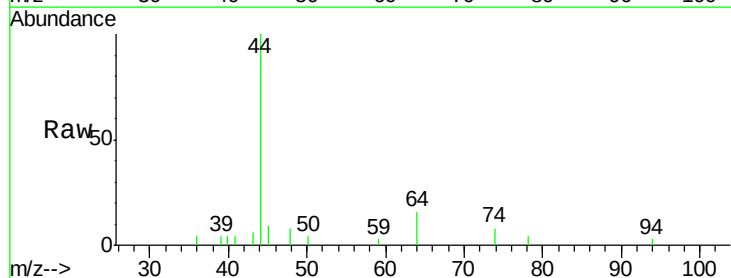
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3-A-COMP

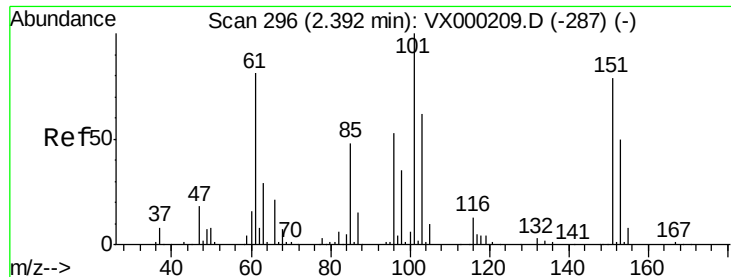
Tot Ion: 64 Resp: 57
 Ion Ratio Lower Upper
 64 100
 66 0.0 26.2 39.4#



#8
 Diethyl Ether
 Concen: 2.39 ug/l
 RT: 2.20 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX000239.D
 Acq: 08 Mar 2018 23:33

Tgt Ion: 74 Resp: 132
 Ion Ratio Lower Upper
 74 100
 45 228.8 47.2 141.6#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.24 ug/l

RT: 2.40 min Scan# 298

Delta R.T. 0.01 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

Instrument :

MSVOA_X

ClientSampleId :

TP-3-A-COMP

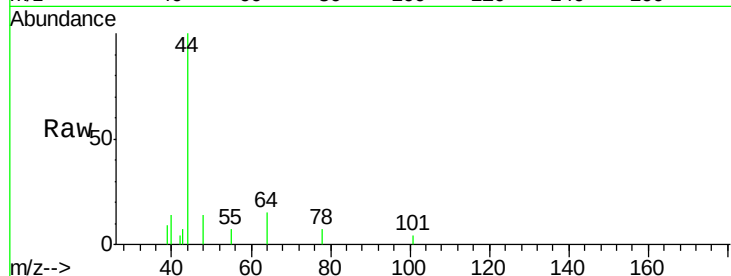
Tot Ion:101 Resp: 20

Ion Ratio Lower Upper

101 100

85 0.0 38.3 57.5#

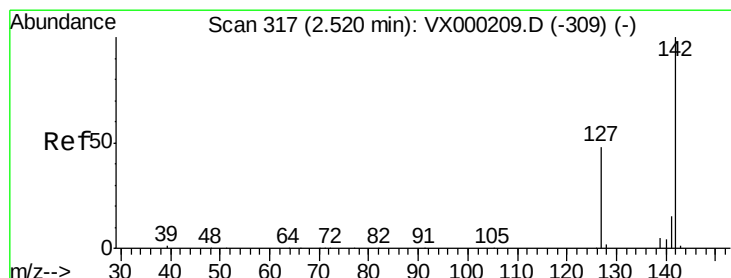
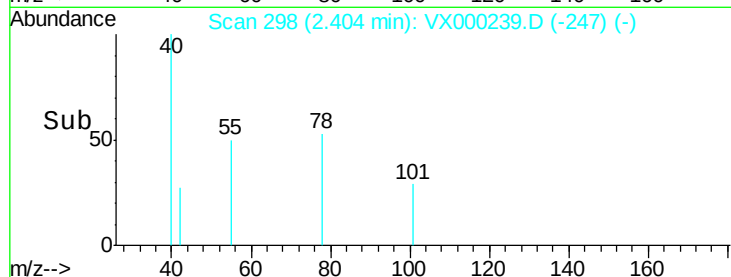
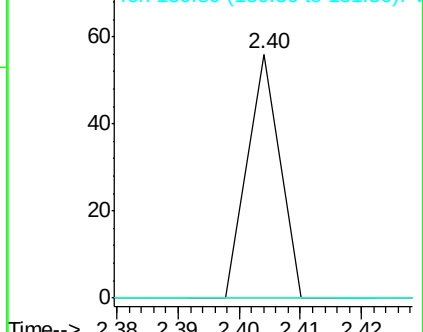
151 0.0 62.8 94.2#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.35 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.21 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

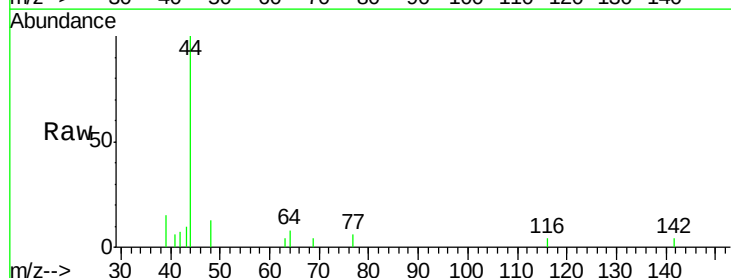
Tgt Ion:142 Resp: 19

Ion Ratio Lower Upper

142 100

127 0.0 39.0 58.6#

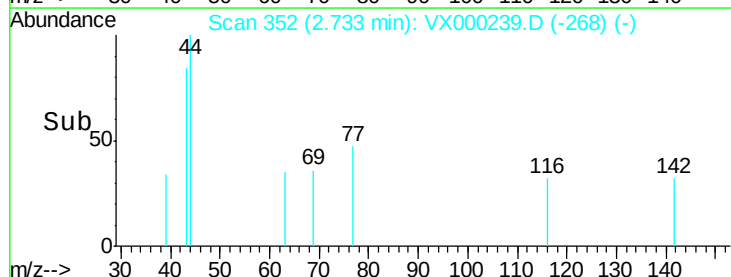
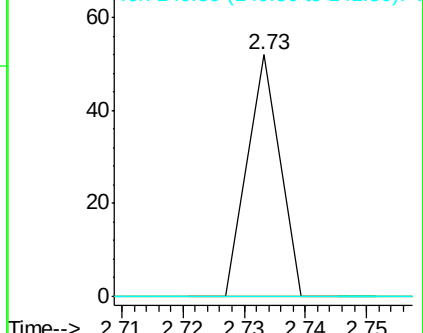
141 0.0 11.6 17.4#

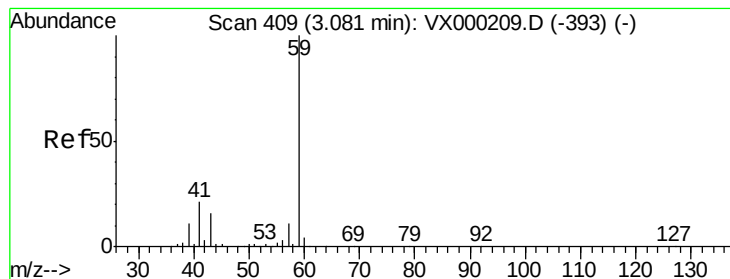


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



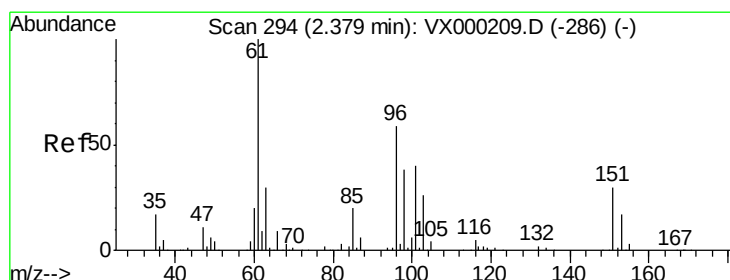
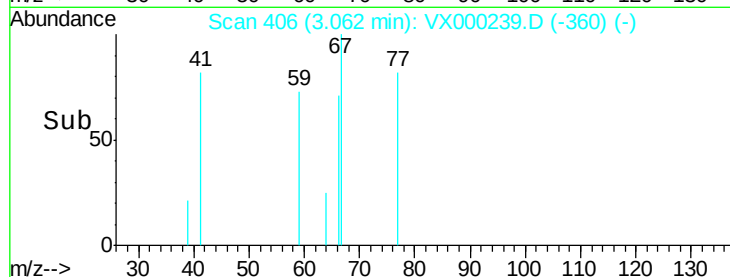
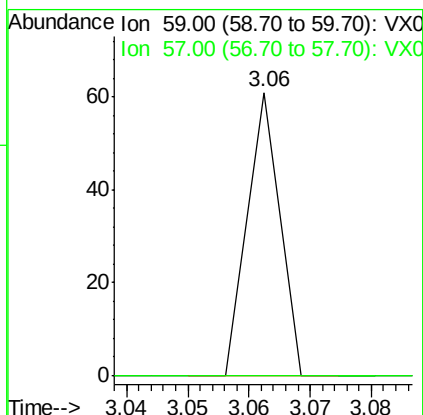
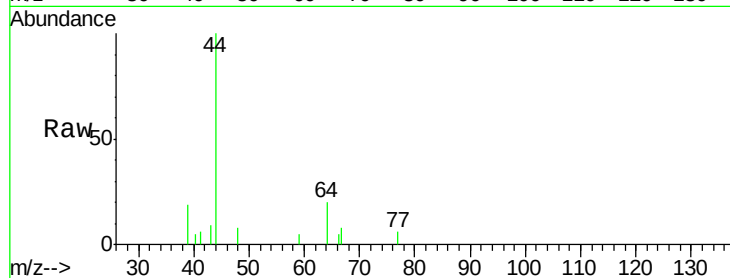


#11

Tert butyl alcohol
Concen: 0.59 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX000239.D
Acq: 08 Mar 2018 23:33

Instrument :
MSVOA_X
ClientSampled :
TP-3-A-COMP

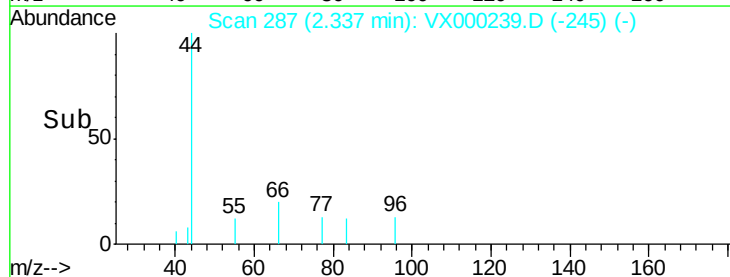
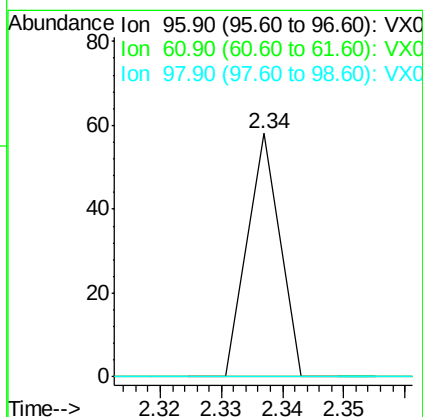
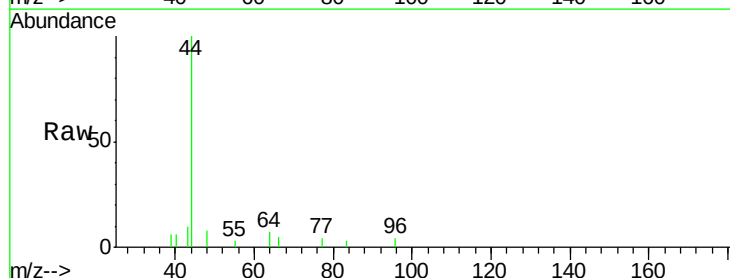
Tot Ion: 59 Resp: 22
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

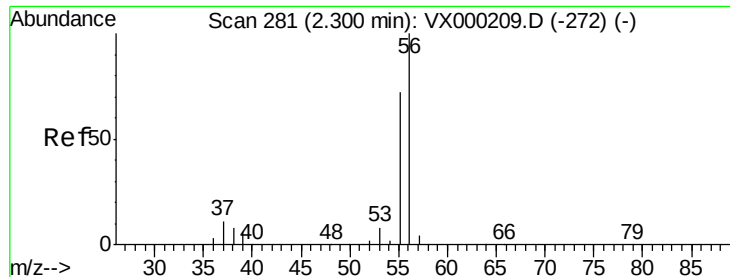


#12

1,1-Dichloroethene
Concen: 0.27 ug/l
RT: 2.34 min Scan# 287
Delta R.T. -0.04 min
Lab File: VX000239.D
Acq: 08 Mar 2018 23:33

Tgt Ion: 96 Resp: 21
Ion Ratio Lower Upper
96 100
61 0.0 135.8 203.6#
98 0.0 51.1 76.7#

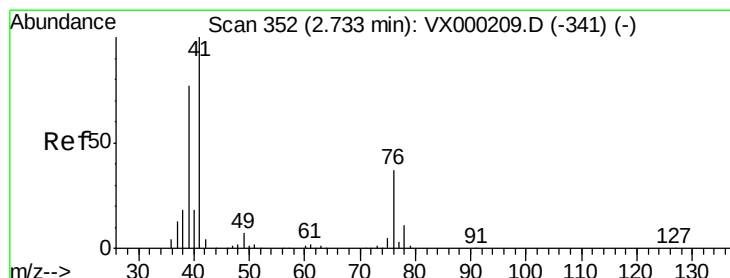
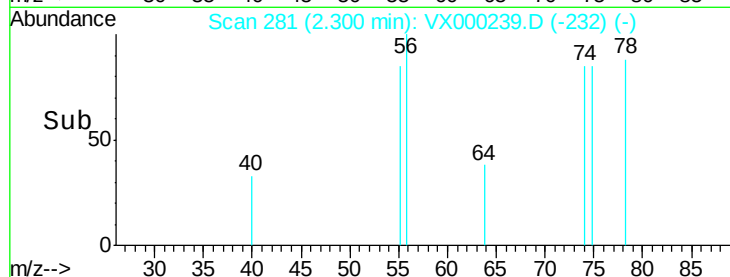
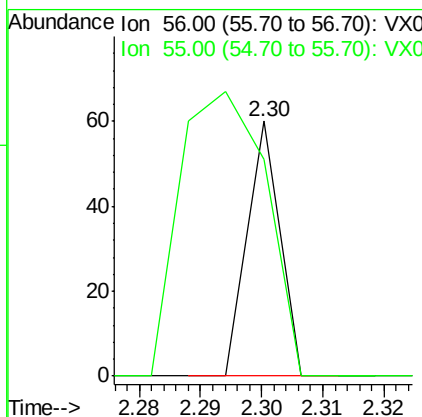
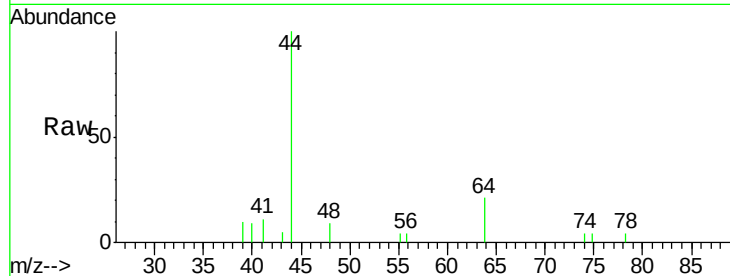




#13
Acrolein
Concen: 1.12 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX000239.D
Acq: 08 Mar 2018 23:33

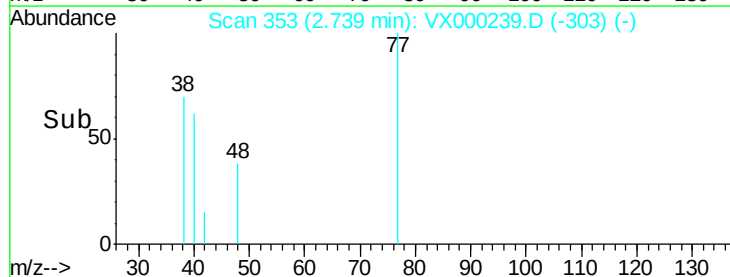
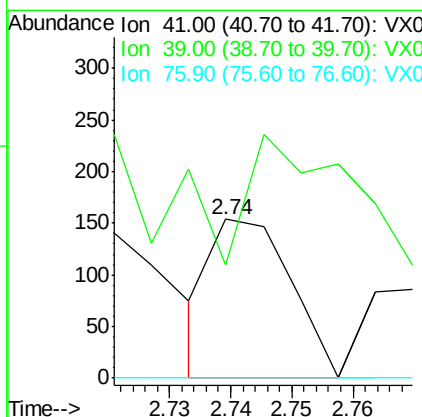
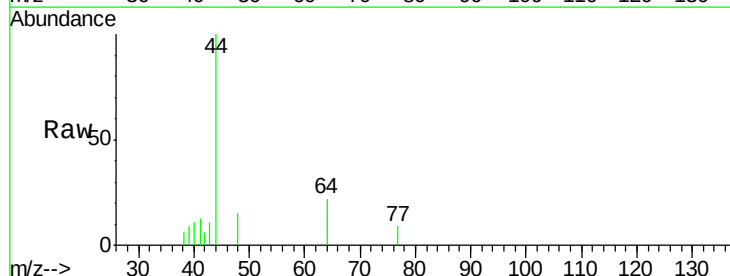
Instrument :
MSVOA_X
ClientSampled :
TP-3-A-COMP

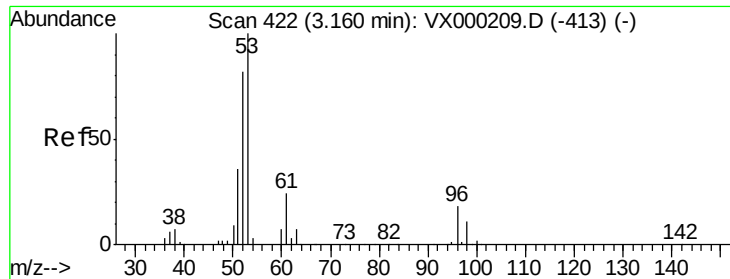
Tot Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 295.5 59.2 88.8#



#14
Allyl chloride
Concen: 0.97 ug/l
RT: 2.74 min Scan# 353
Delta R.T. 0.01 min
Lab File: VX000239.D
Acq: 08 Mar 2018 23:33

Tgt Ion: 41 Resp: 138
Ion Ratio Lower Upper
41 100
39 100.0 57.0 85.6#
76 0.0 26.8 40.2#





#15

Acrylonitrile

Concen: 0.32 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

Instrument :

MSVOA_X

ClientSampled :

TP-3-A-COMP

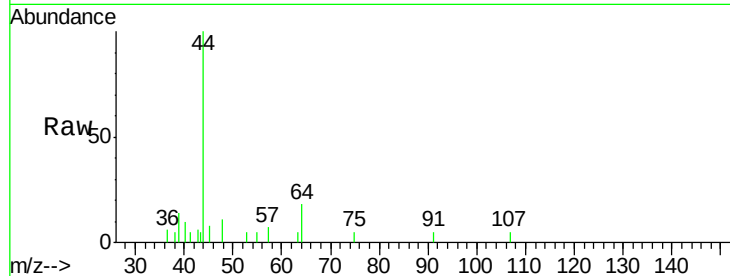
Tot Ion: 53 Resp: 21

Ion Ratio Lower Upper

53 100

52 304.8 66.3 99.5#

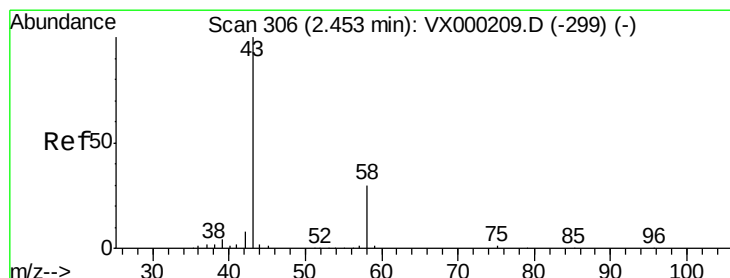
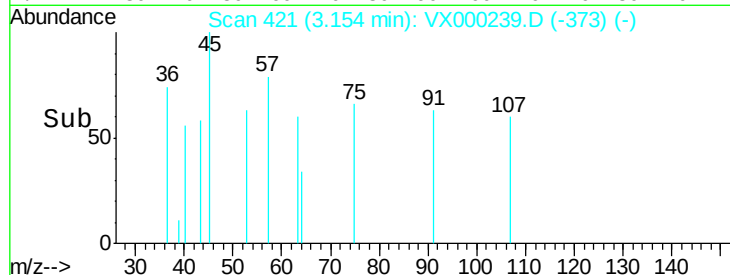
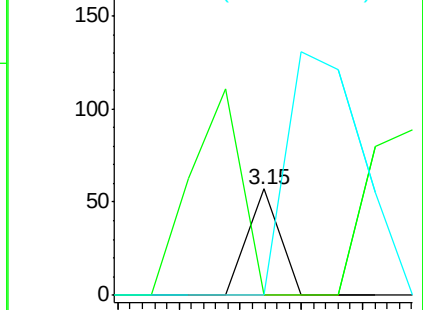
51 0.0 29.6 44.4#



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: 25.30 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX000239.D

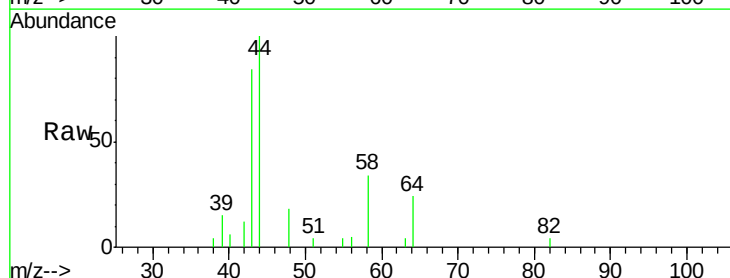
Acq: 08 Mar 2018 23:33

Tgt Ion: 43 Resp: 1840

Ion Ratio Lower Upper

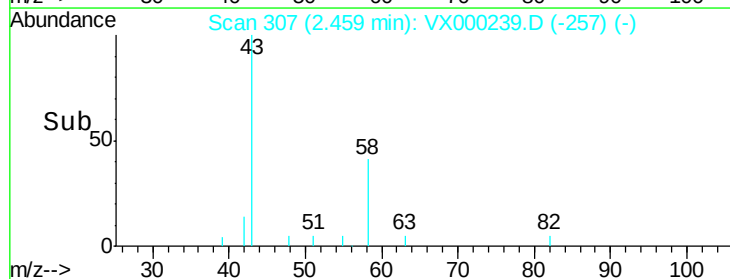
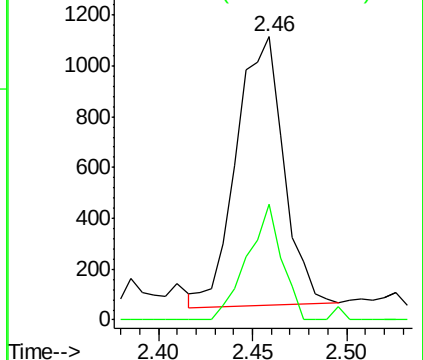
43 100

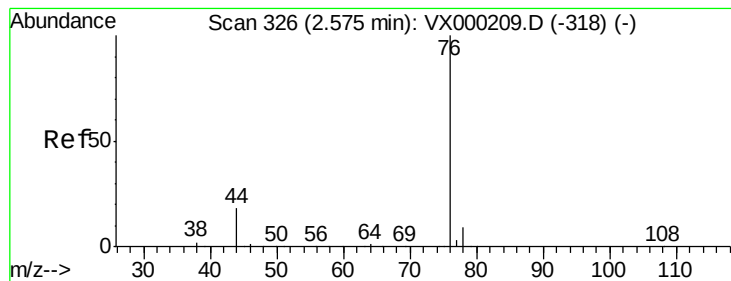
58 43.3 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 1.21 ug/l

RT: 2.58 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

Instrument :

MSVOA_X

ClientSampleId :

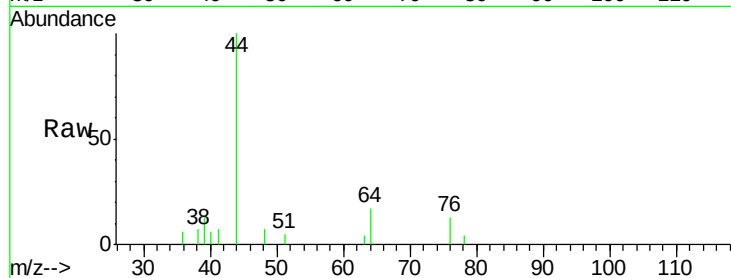
TP-3-A-COMP

Tot Ion: 76 Resp: 255

Ion Ratio Lower Upper

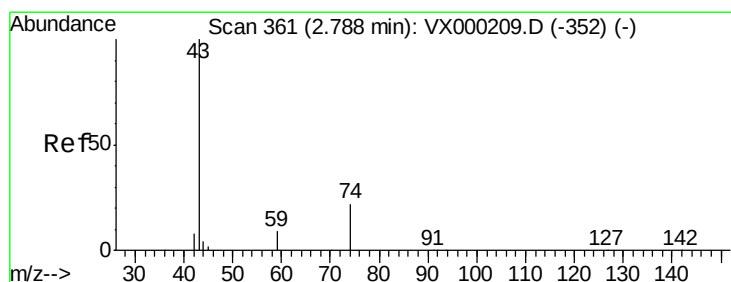
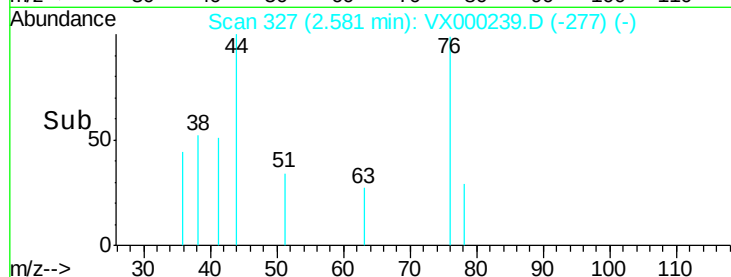
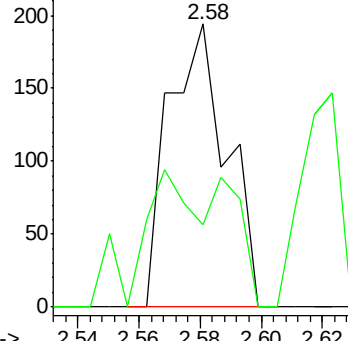
76 100

78 28.9 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 7.08 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.01 min

Lab File: VX000239.D

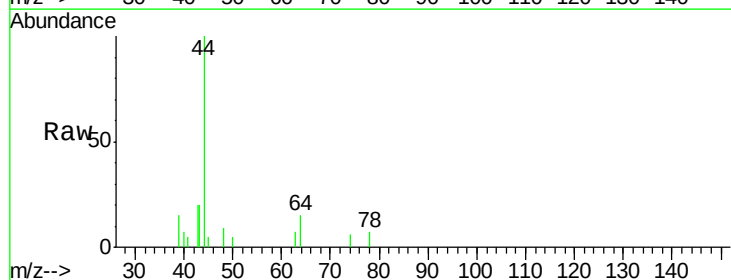
Acq: 08 Mar 2018 23:33

Tgt Ion: 43 Resp: 1097

Ion Ratio Lower Upper

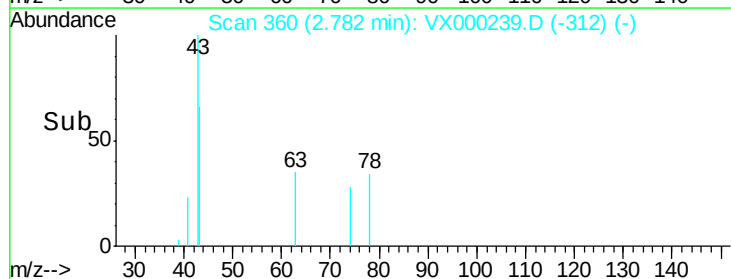
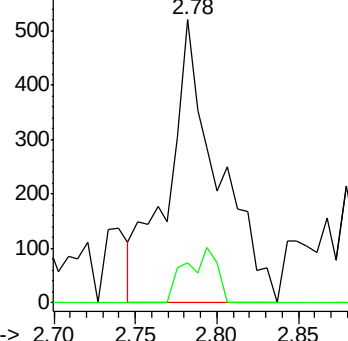
43 100

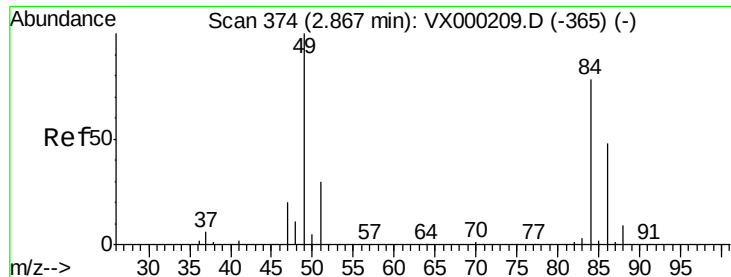
74 12.2 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methvlene Chloride

Concen: 265.19 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.00 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

Instrument :

MSVOA_X

ClientSampleId :

TP-3-A-COMP

Tot Ion: 84 Resp: 23000

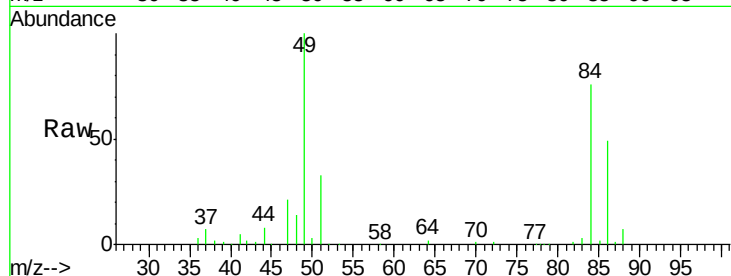
Ion Ratio Lower Upper

84 100

49 132.3 102.1 153.1

51 43.2 30.6 45.8

86 64.8 49.0 73.6

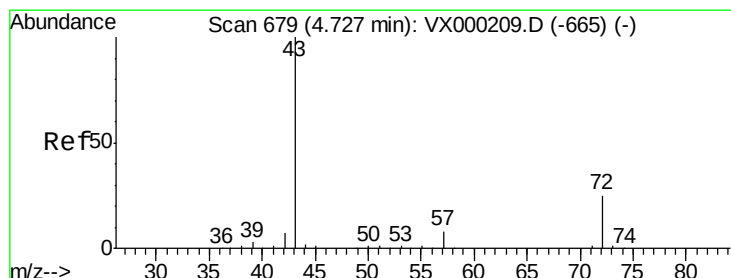
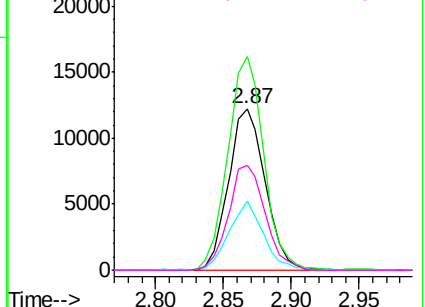
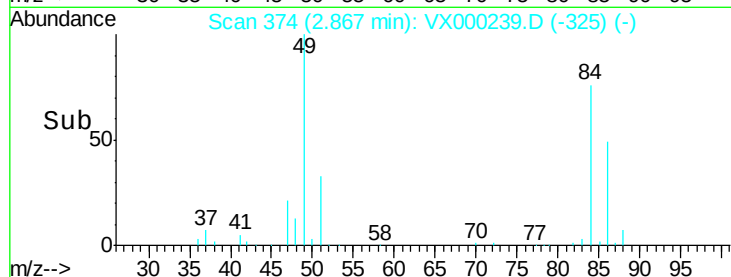


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#25

2-Butanone

Concen: 1.39 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.02 min

Lab File: VX000239.D

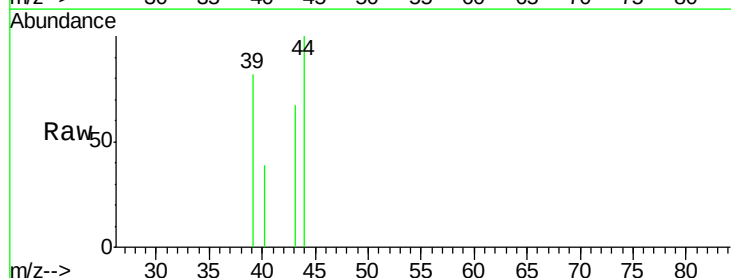
Acq: 08 Mar 2018 23:33

Tgt Ion: 43 Resp: 125

Ion Ratio Lower Upper

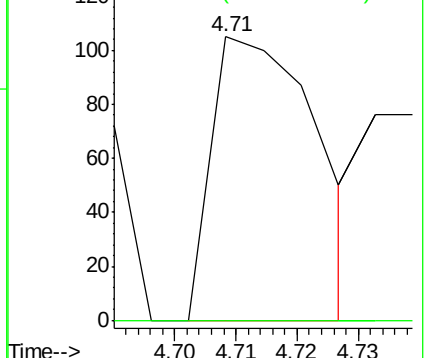
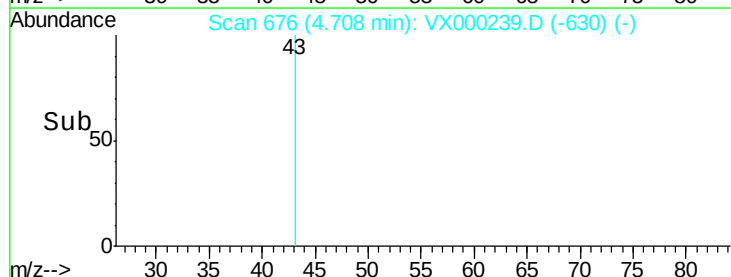
43 100

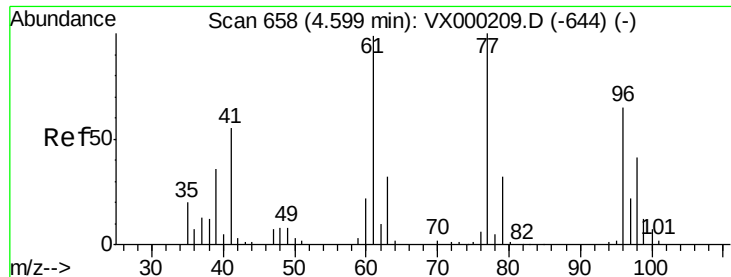
72 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#26

2,2-Dichloropropane

Concen: 1.92 ug/l

RT: 4.75 min Scan# 683

Delta R.T. 0.15 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

Instrument :

MSVOA_X

ClientSampleId :

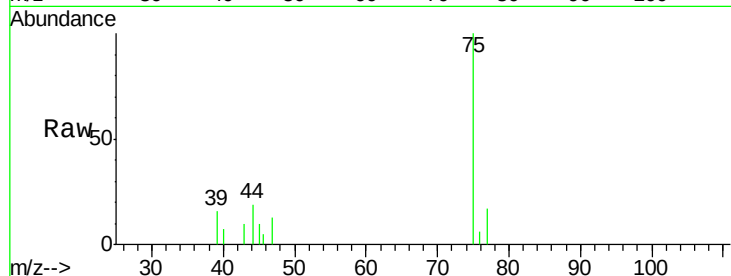
TP-3-A-COMP

Tot Ion: 77 Resp: 210

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

200

150

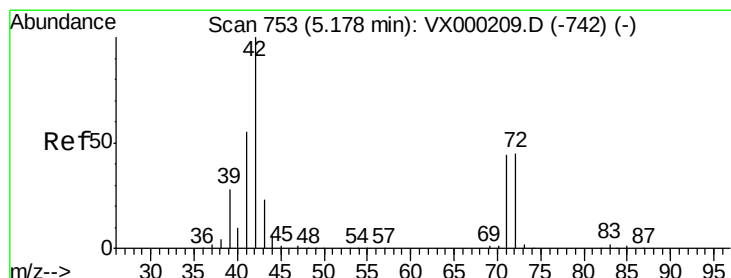
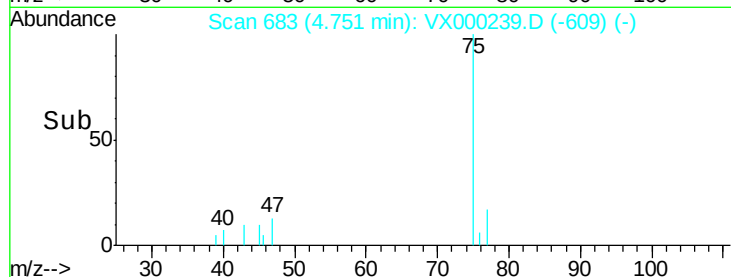
100

50

0

4.72 4.74 4.76 4.78

Time-->



#29

Tetrahydrofuran

Concen: 5.32 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

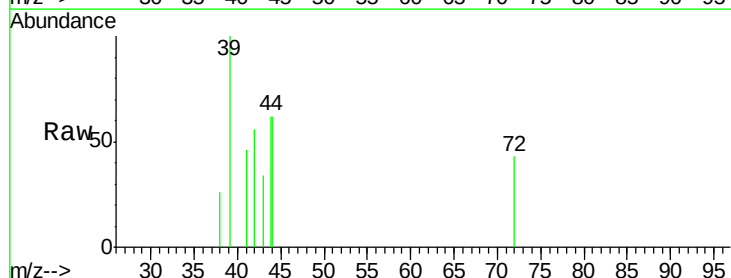
Tgt Ion: 42 Resp: 300

Ion Ratio Lower Upper

42 100

72 28.3 37.3 55.9#

71 7.7 35.0 52.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

150

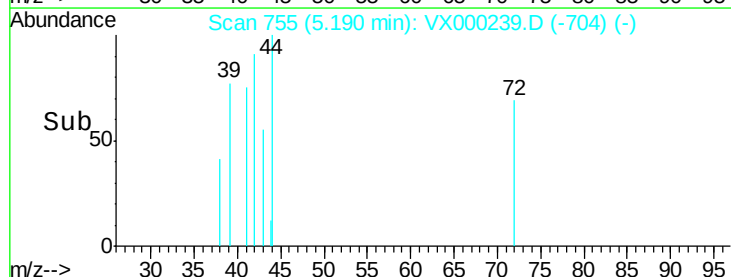
100

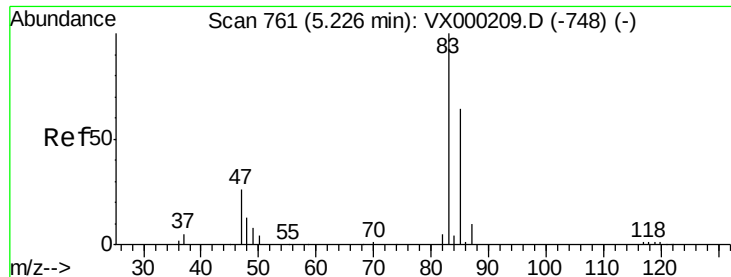
50

0

5.15 5.20 5.25

Time-->

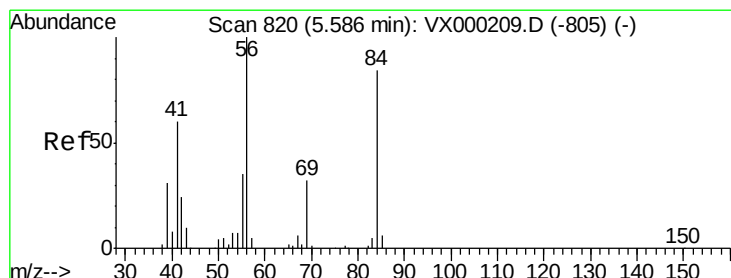
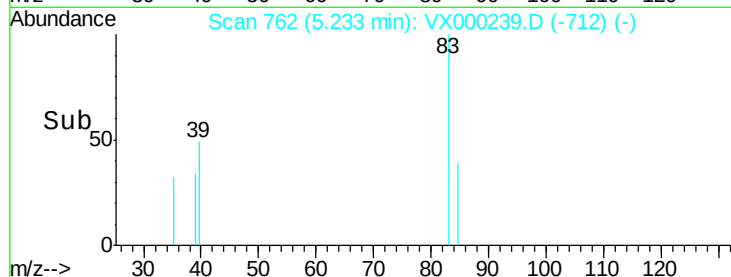
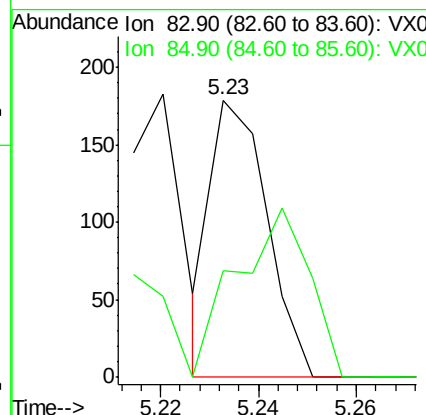
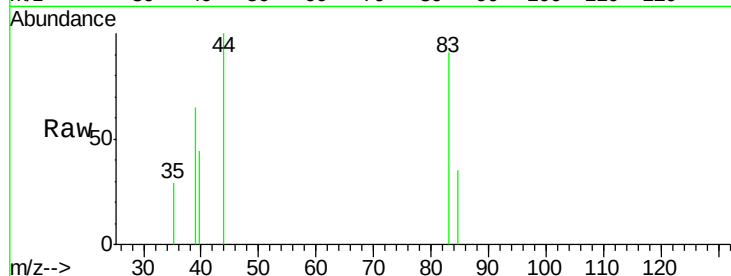




#30
 Chloroform
 Concen: 0.98 ug/l
 RT: 5.23 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VX000239.D
 Acq: 08 Mar 2018 23:33

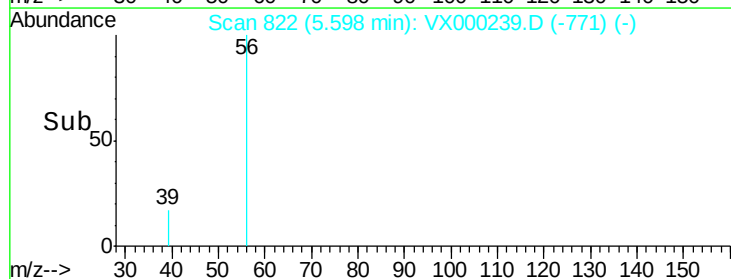
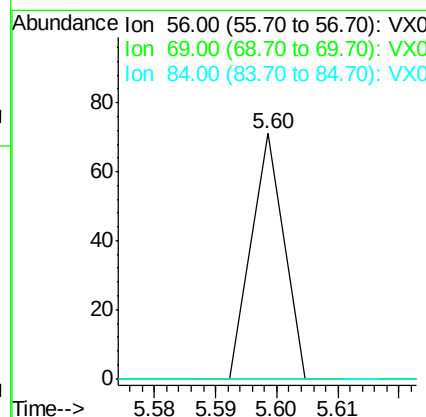
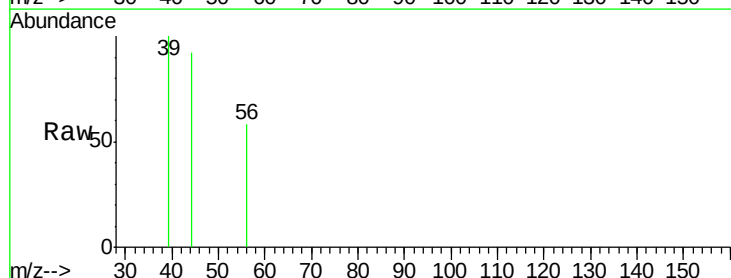
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3-A-COMP

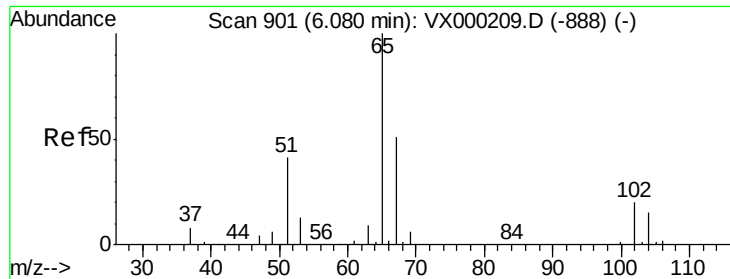
Tot Ion: 83 Resp: 142
 Ion Ratio Lower Upper
 83 100
 85 38.5 51.0 76.6#



#31
 Cyclohexane
 Concen: 0.23 ug/l
 RT: 5.60 min Scan# 822
 Delta R.T. 0.01 min
 Lab File: VX000239.D
 Acq: 08 Mar 2018 23:33

Tgt Ion: 56 Resp: 26
 Ion Ratio Lower Upper
 56 100
 69 0.0 25.3 37.9#
 84 0.0 67.2 100.8#

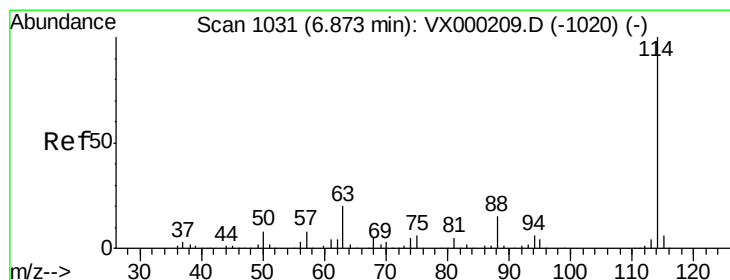
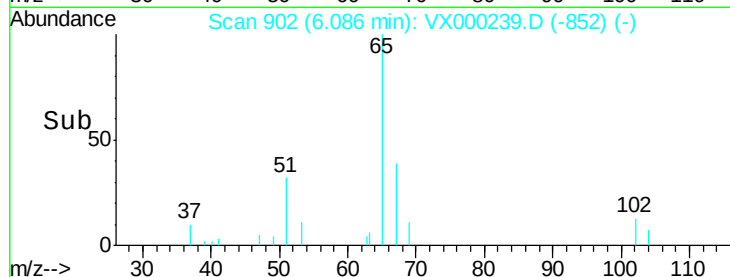
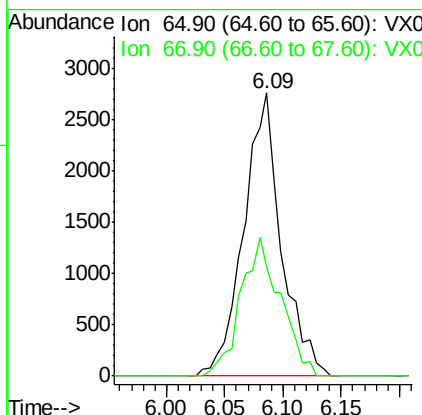
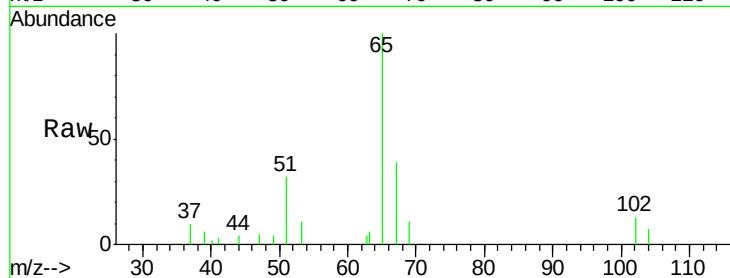




#33
 1,2-Dichloroethane-d4
 Concen: 61.45 ug/l
 RT: 6.09 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: VX000239.D
 Acq: 08 Mar 2018 23:33

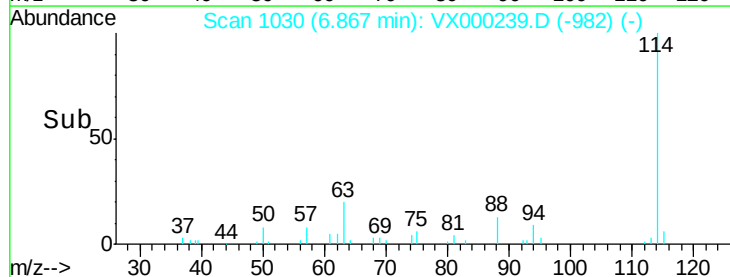
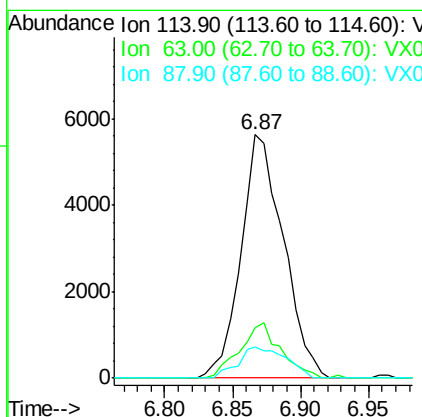
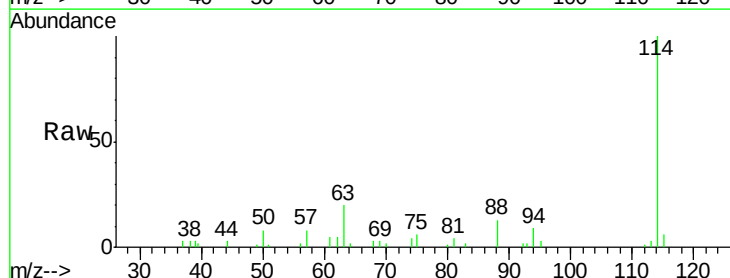
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3-A-COMP

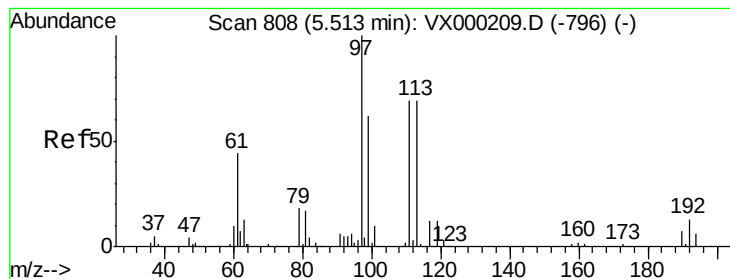
Tot Ion: 65 Resp: 6223
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VX000239.D
 Acq: 08 Mar 2018 23:33

Tgt Ion: 114 Resp: 12292
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.2
 88 13.0 0.0 29.8





#35

Dibromofluoromethane

Concen: 58.88 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

Instrument :

MSVOA_X

ClientSampleId :

TP-3-A-COMP

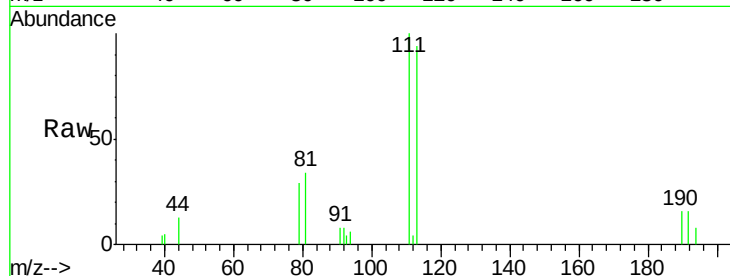
Tot Ion:113 Resp: 4546

Ion Ratio Lower Upper

113 100

111 107.1 83.0 124.6

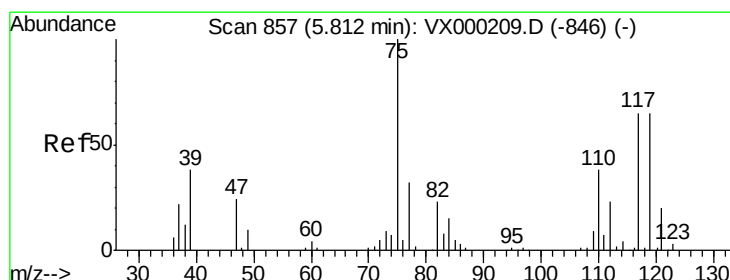
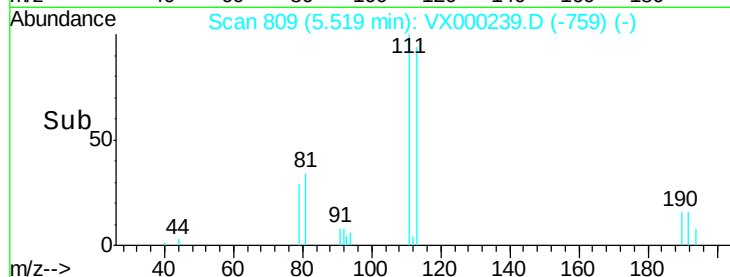
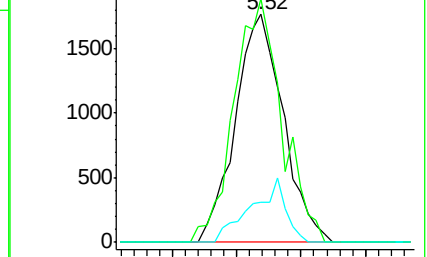
192 20.3 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 0.21 ug/l

RT: 5.89 min Scan# 869

Delta R.T. 0.07 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

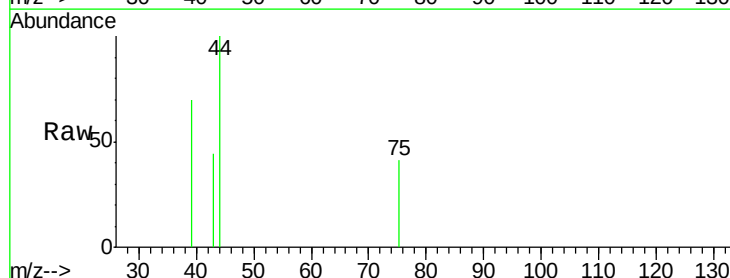
Tgt Ion: 75 Resp: 23

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.5#

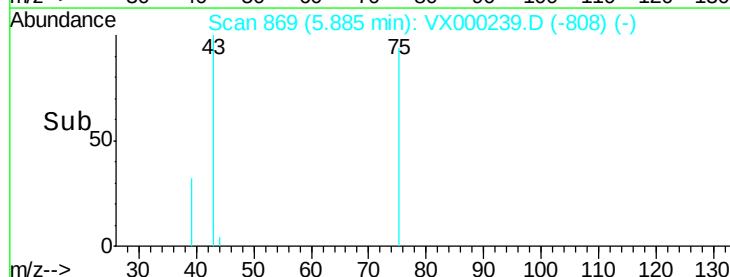
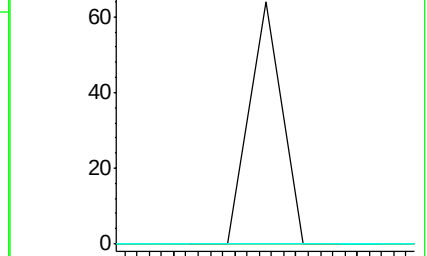
77 0.0 24.9 37.3#

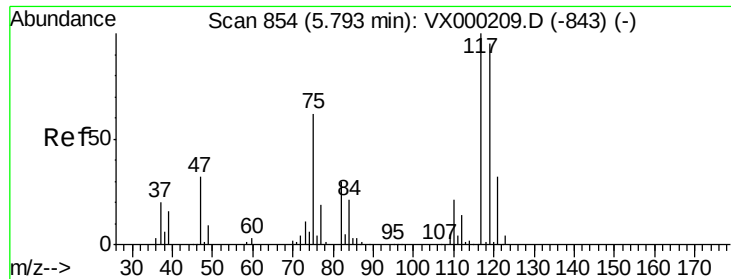


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 3.67 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

Instrument :

MSVOA_X

ClientSampled :

TP-3-A-COMP

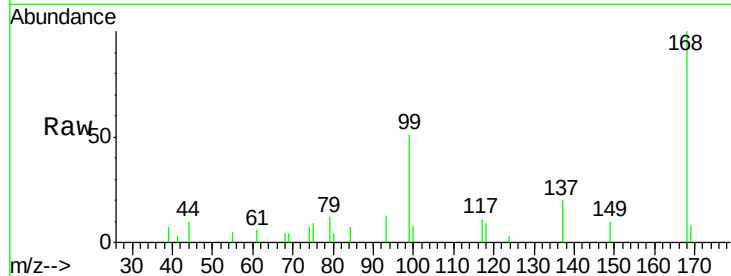
Tot Ion:117 Resp: 406

Ion Ratio Lower Upper

117 100

119 0.0 75.9 113.9#

121 0.0 25.8 38.6#



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

Time-->

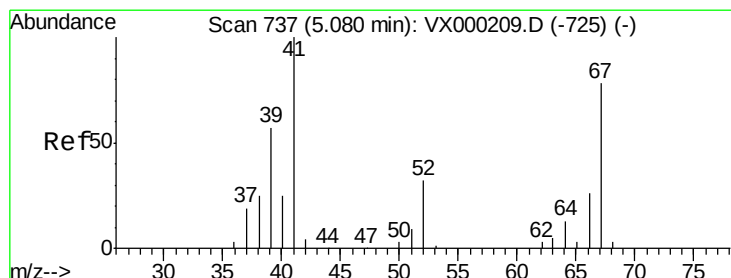
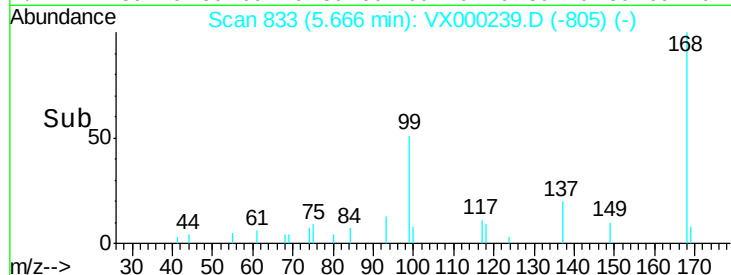
5.62 5.64 5.66 5.68

5.67

200

100

0



#41

Methacrylonitrile

Concen: 0.38 ug/l

RT: 5.07 min Scan# 735

Delta R.T. -0.01 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

Tgt Ion: 41 Resp: 31

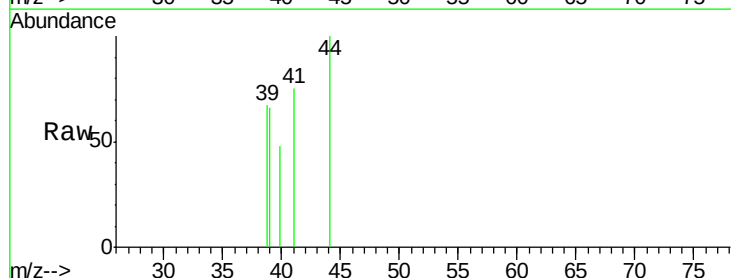
Ion Ratio Lower Upper

41 100

39 1083.9 47.8 71.6#

67 0.0 59.3 88.9#

52 71.0 26.4 39.6#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Time-->

5.05 5.06 5.07 5.08

5.07

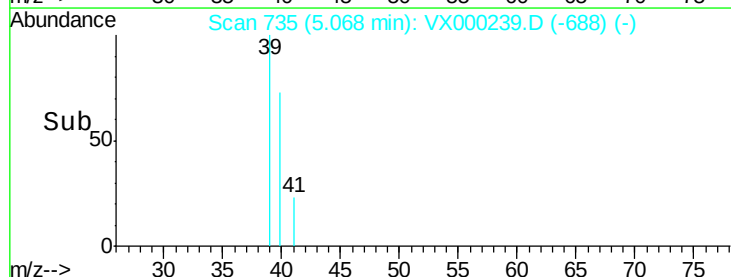
200

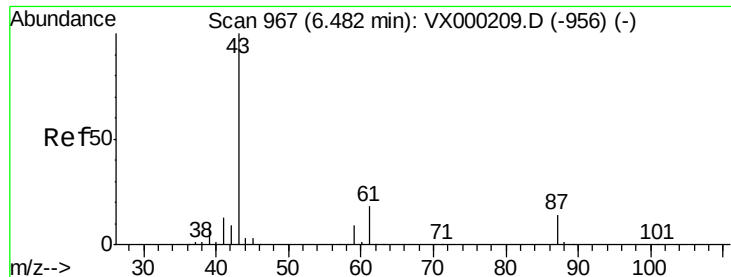
150

100

50

0





#43

Isopropyl Acetate

Concen: 6.72 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.00 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

Instrument :

MSVOA_X

ClientSampleId :

TP-3-A-COMP

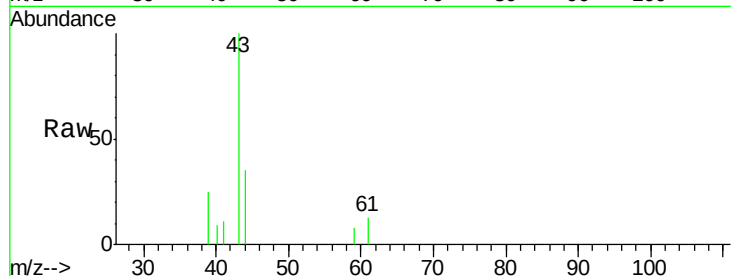
Tot Ion: 43 Resp: 1535

Ion Ratio Lower Upper

43 100

61 12.3 14.8 22.2#

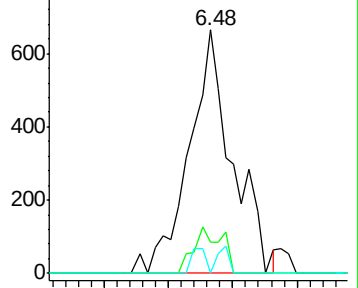
87 3.1 10.6 16.0#



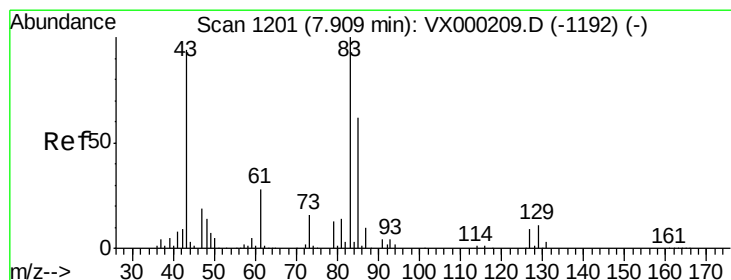
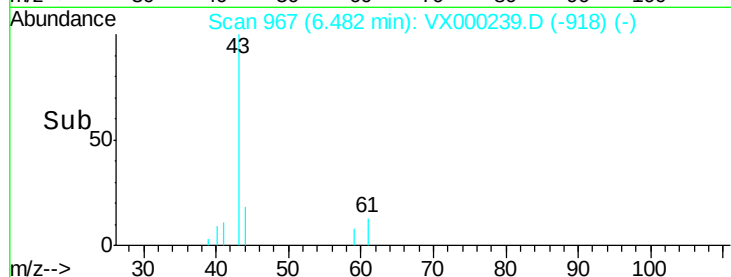
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time-->



#47

Bromodichloromethane

Concen: 0.21 ug/l

RT: 7.92 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

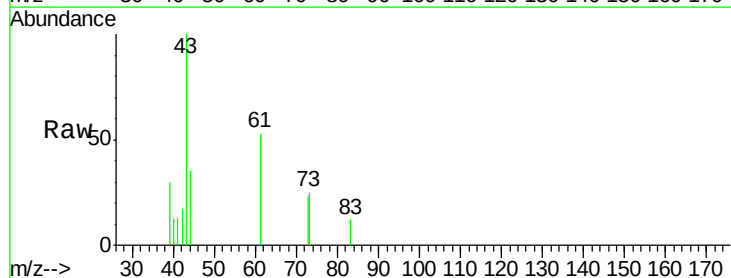
Tgt Ion: 83 Resp: 23

Ion Ratio Lower Upper

83 100

85 0.0 49.6 74.4#

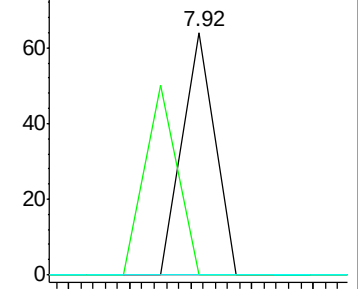
127 0.0 7.0 10.4#



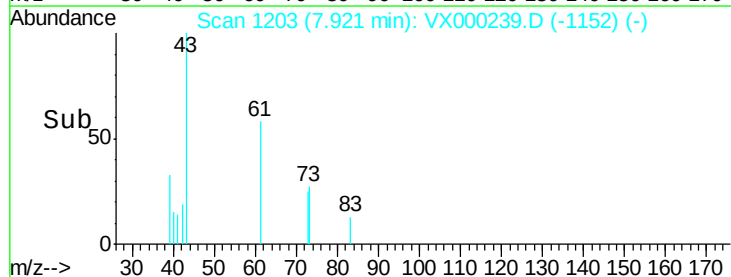
Abundance Ion 82.90 (82.60 to 83.60): VX0

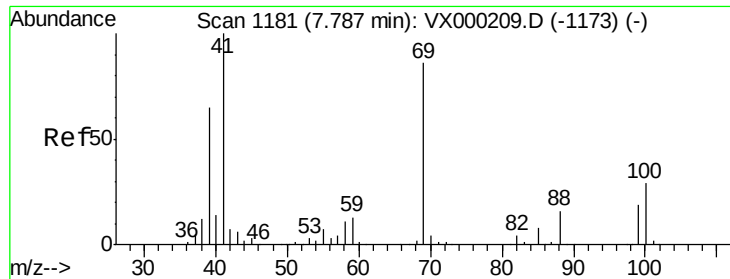
Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



Time-->

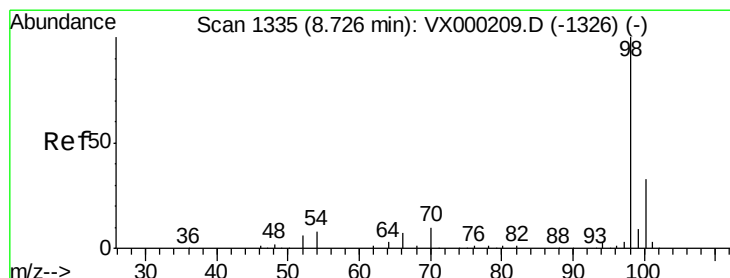
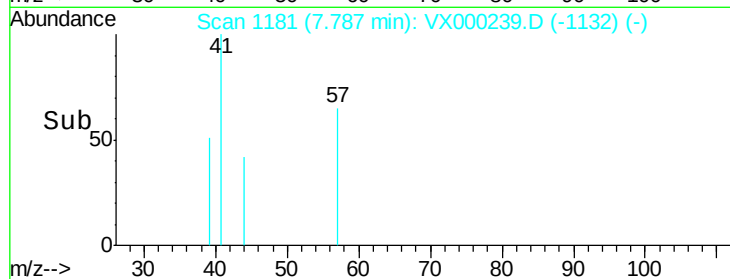
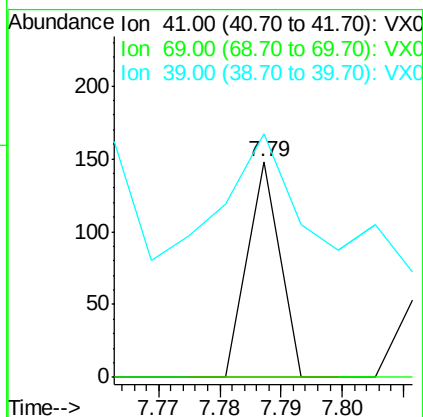
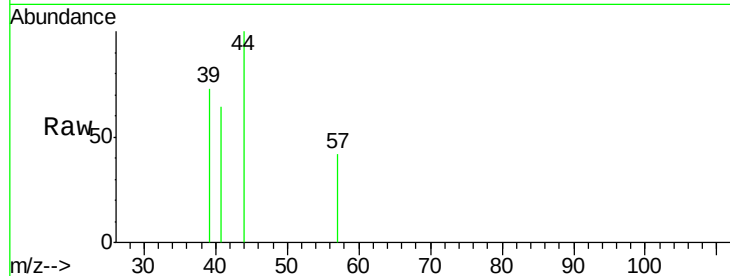




#48
Methvl methacrylate
Concen: 0.48 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VX000239.D
Acq: 08 Mar 2018 23:33

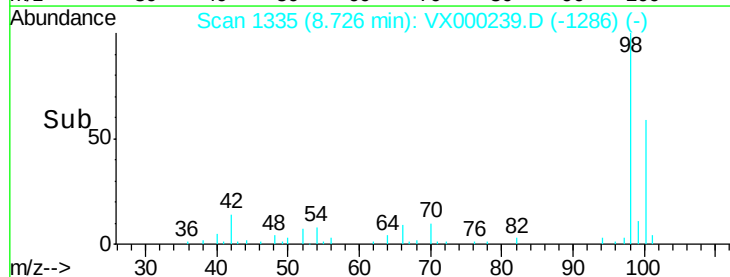
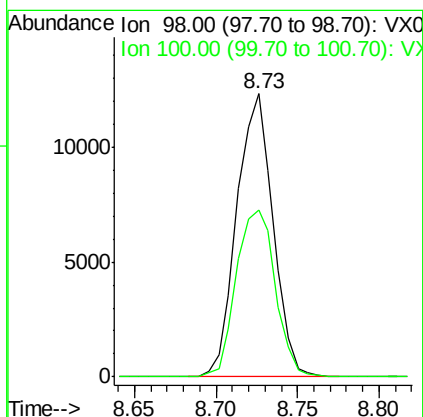
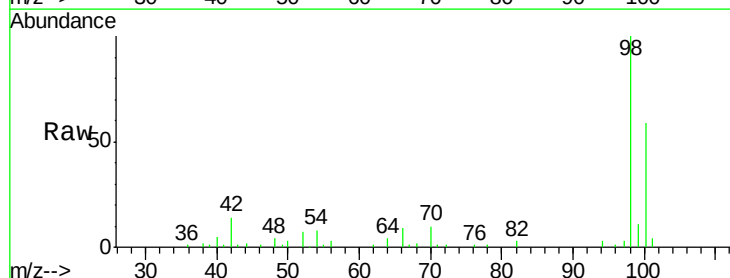
Instrument :
MSVOA_X
ClientSampleId :
TP-3-A-COMP

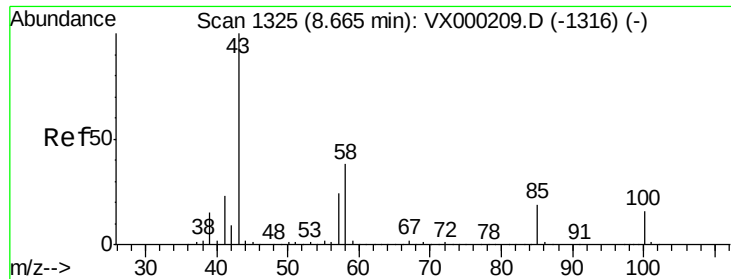
Tot Ion: 41 Resp: 54
Ion Ratio Lower Upper
41 100
69 0.0 70.0 105.0#
39 444.4 53.6 80.4#



#50
Toluene-d8
Concen: 59.51 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000239.D
Acq: 08 Mar 2018 23:33

Tgt Ion: 98 Resp: 19030
Ion Ratio Lower Upper
98 100
100 63.5 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 0.72 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.06 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

Instrument :

MSVOA_X

ClientSampled :

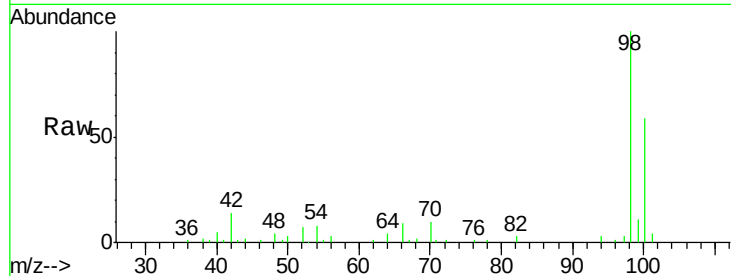
TP-3-A-COMP

Tot Ion: 43 Resp: 125

Ion Ratio Lower Upper

43 100

58 38.4 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.73

150

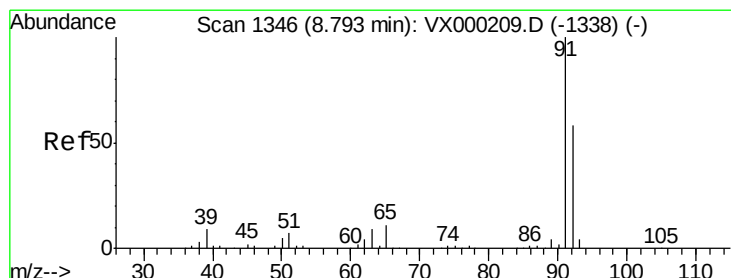
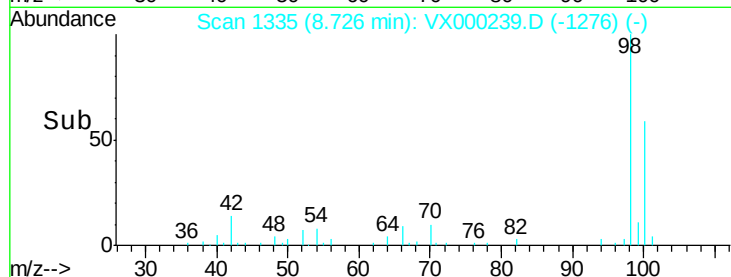
100

50

0

8.70 8.72 8.74

Time-->



#52

Toluene

Concen: 0.58 ug/l

RT: 8.81 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX000239.D

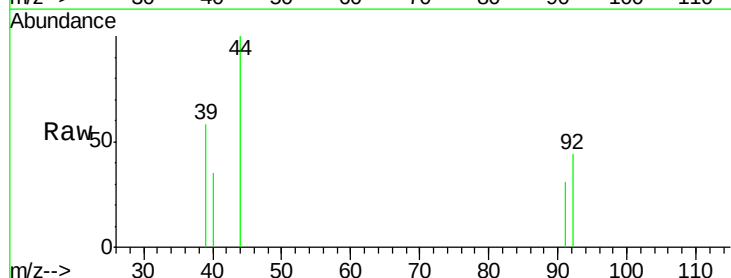
Acq: 08 Mar 2018 23:33

Tgt Ion: 92 Resp: 126

Ion Ratio Lower Upper

92 100

91 176.2 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.81

150

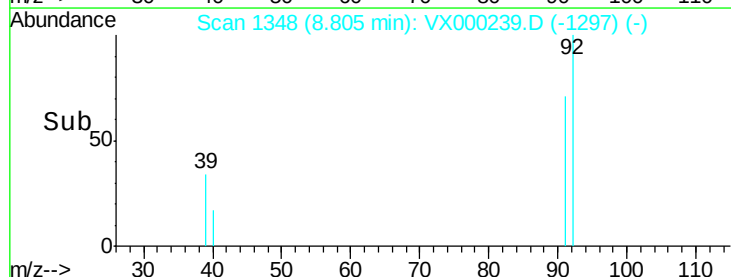
100

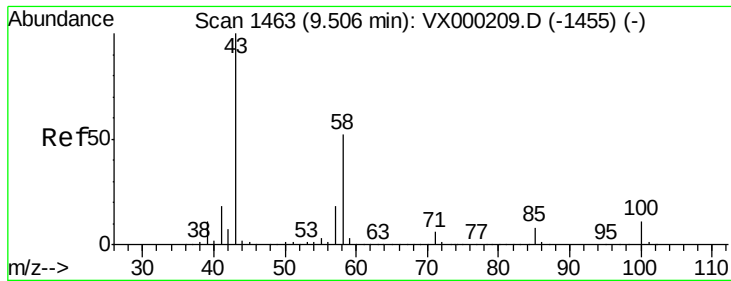
50

0

8.76 8.78 8.80 8.82

Time-->

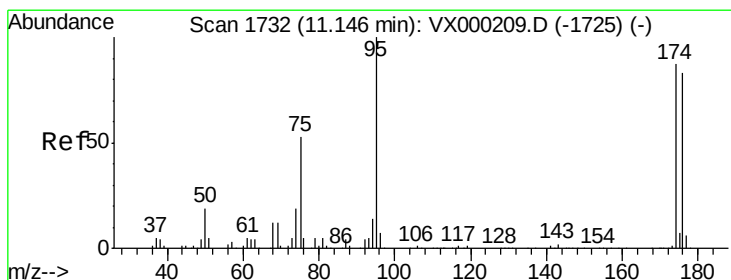
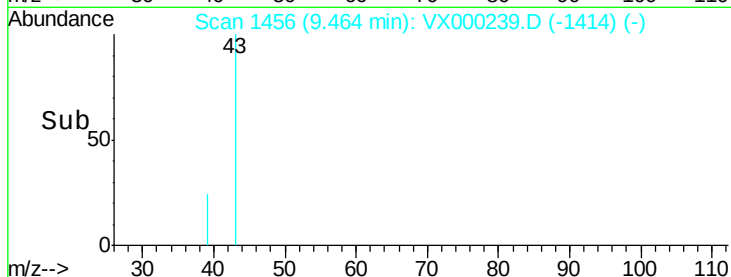
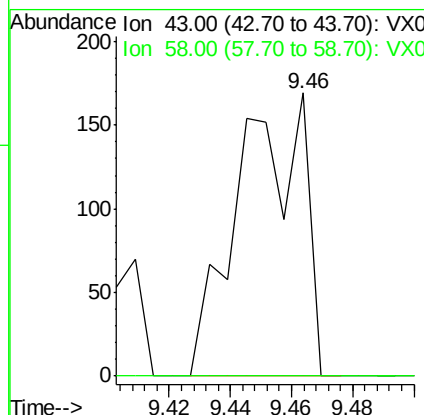
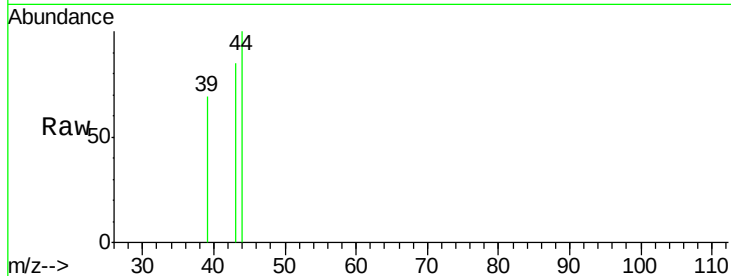




#59
 2-Hexanone
 Concen: 1.73 ug/l
 RT: 9.46 min Scan# 1456
 Delta R.T. -0.04 min
 Lab File: VX000239.D
 Acq: 08 Mar 2018 23:33

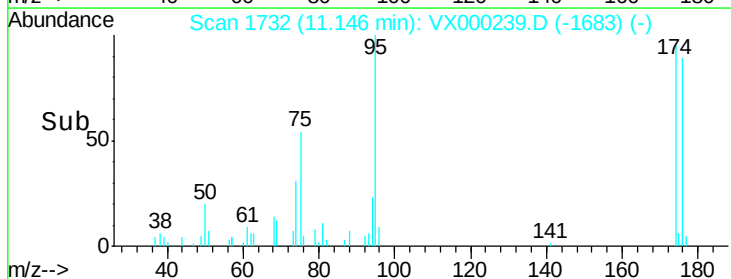
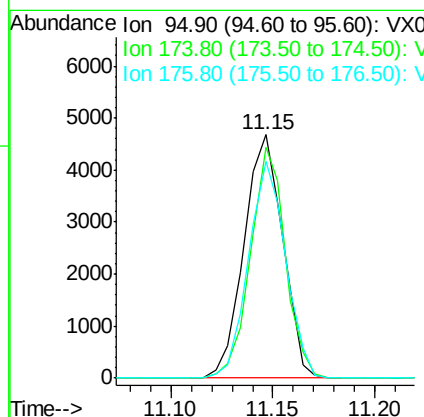
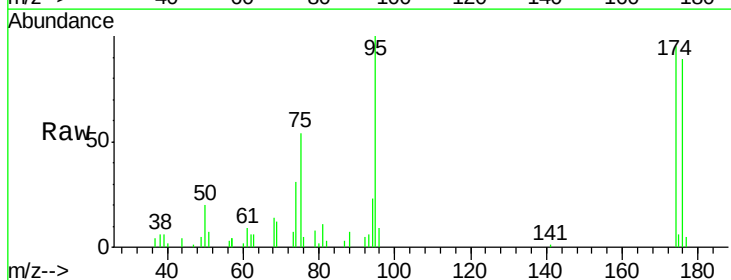
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3-A-COMP

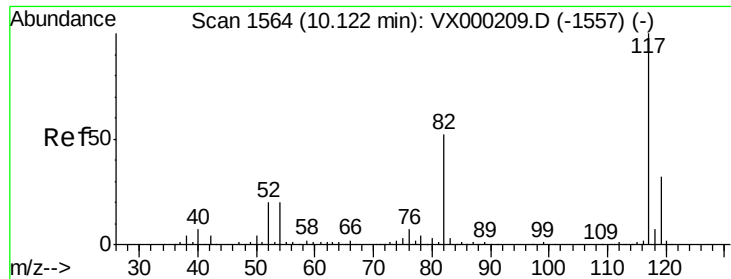
Tot Ion: 43 Resp: 254
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.6 79.7#



#62
 4-Bromofluorobenzene
 Concen: 49.35 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: VX000239.D
 Acq: 08 Mar 2018 23:33

Tgt Ion: 95 Resp: 6160
 Ion Ratio Lower Upper
 95 100
 174 85.7 0.0 175.6
 176 85.6 0.0 171.0

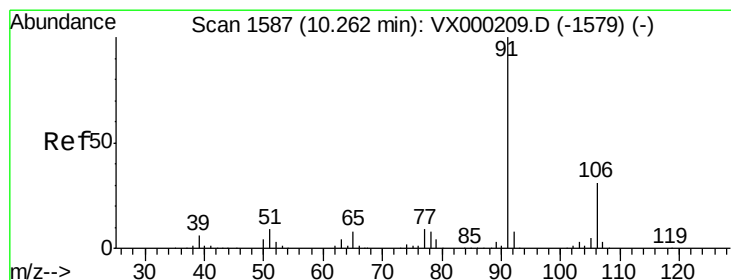
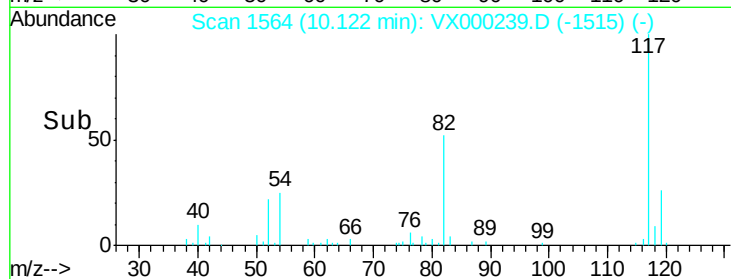
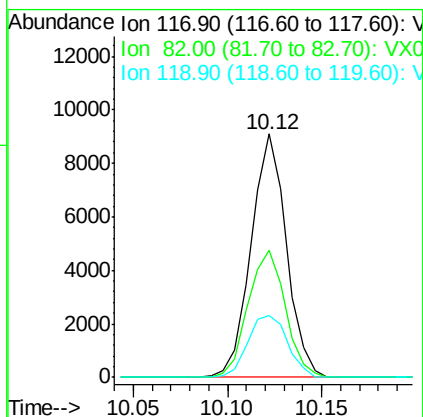
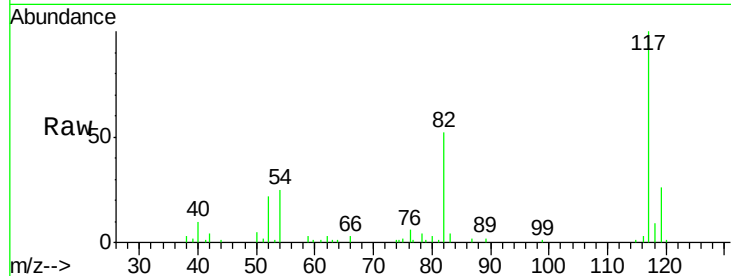




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000239.D
Acq: 08 Mar 2018 23:33

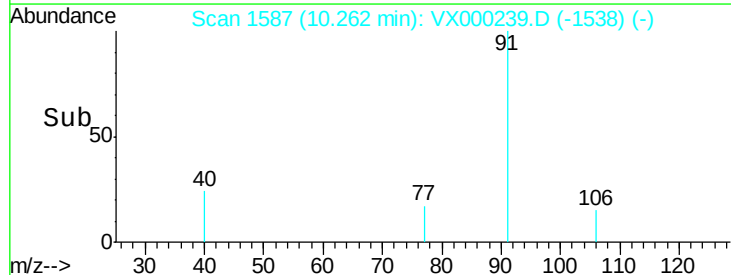
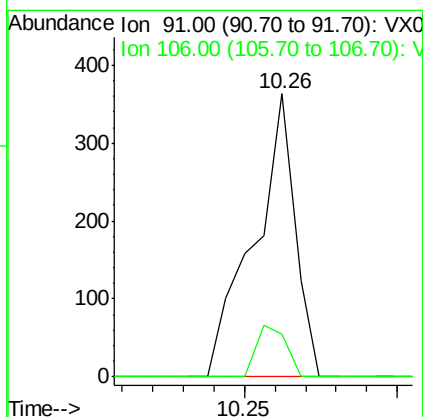
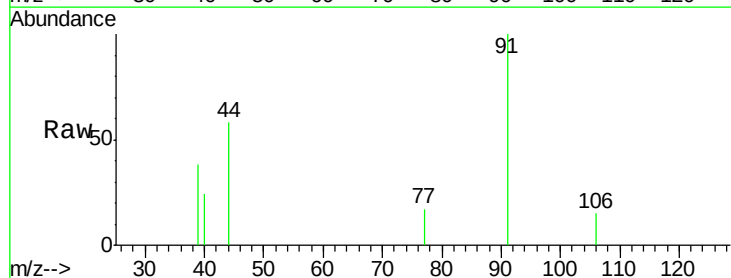
Instrument :
MSVOA_X
ClientSampleId :
TP-3-A-COMP

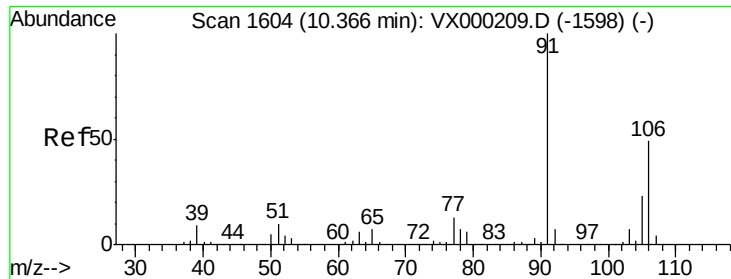
Tot Ion:117 Resp: 11811
Ion Ratio Lower Upper
117 100
82 52.4 42.0 63.0
119 25.6 25.3 37.9



#67
Ethyl Benzene
Concen: 0.81 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VX000239.D
Acq: 08 Mar 2018 23:33

Tgt Ion: 91 Resp: 339
Ion Ratio Lower Upper
91 100
106 14.9 25.2 37.8#

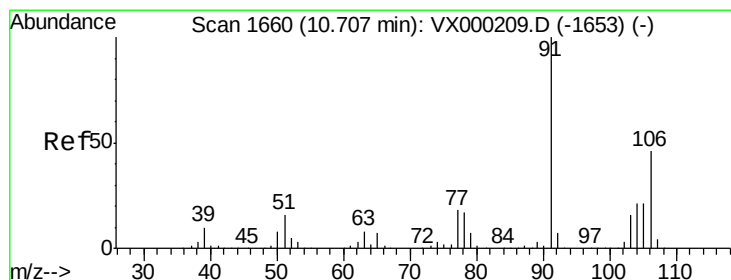
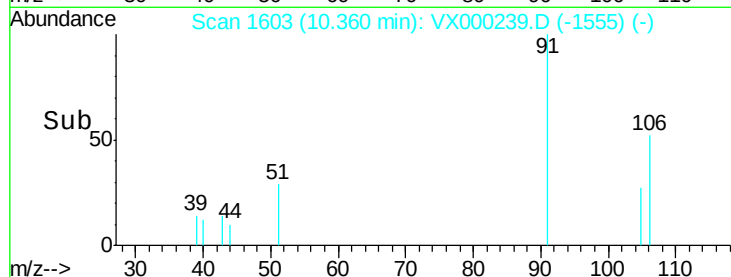
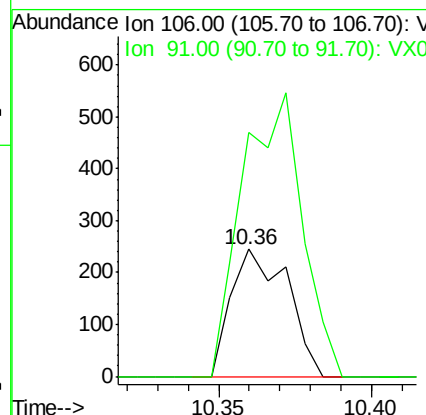
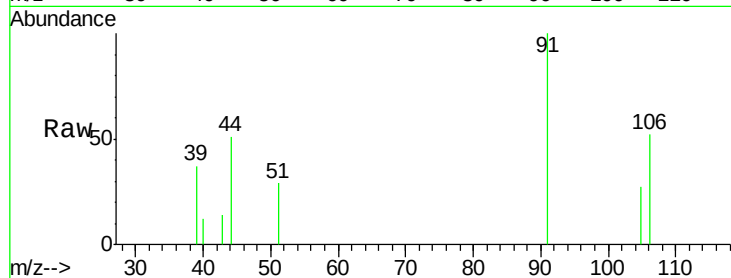




#68
m/p-Xylenes
Concen: 1.95 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX000239.D
Acq: 08 Mar 2018 23:33

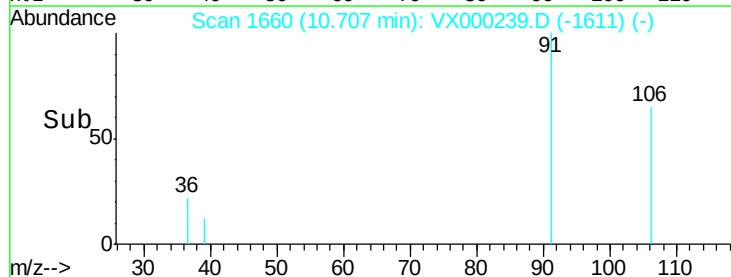
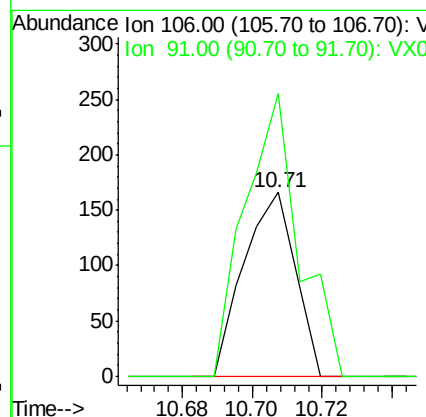
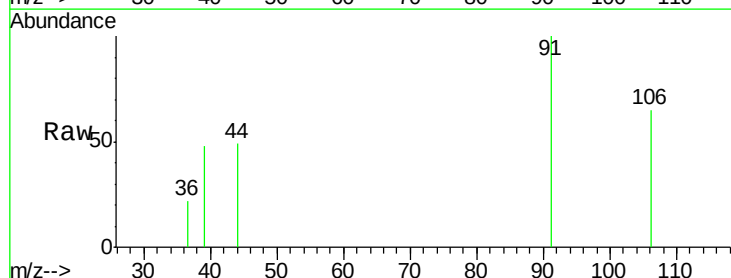
Instrument :
MSVOA_X
ClientSampleId :
TP-3-A-COMP

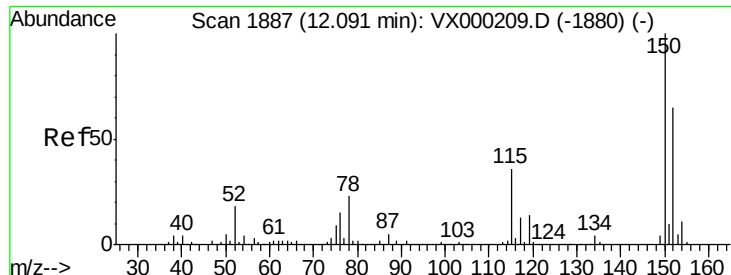
Tot Ion:106 Resp: 313
Ion Ratio Lower Upper
106 100
91 238.0 160.9 241.3



#69
o-Xylene
Concen: 1.10 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000239.D
Acq: 08 Mar 2018 23:33

Tgt Ion:106 Resp: 169
Ion Ratio Lower Upper
106 100
91 162.1 105.9 317.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

Instrument :

MSVOA_X

ClientSampled :

TP-3-A-COMP

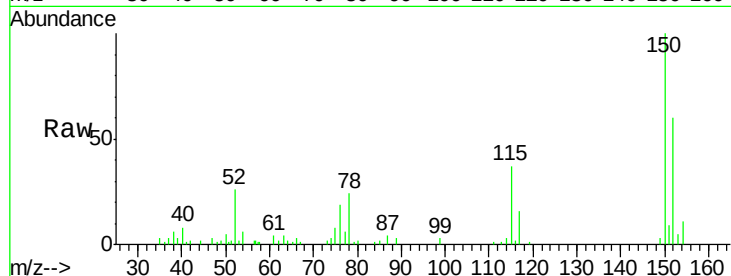
Tot Ion:152 Resp: 5947

Ion Ratio Lower Upper

152 100

115 55.0 39.8 119.3

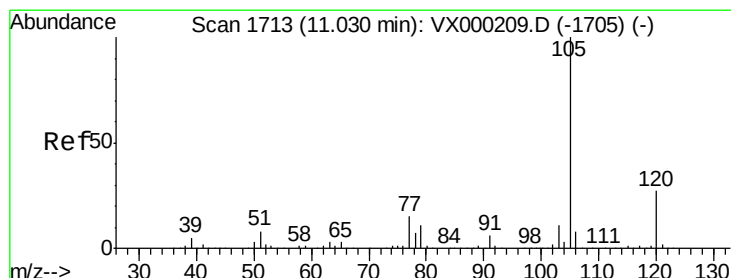
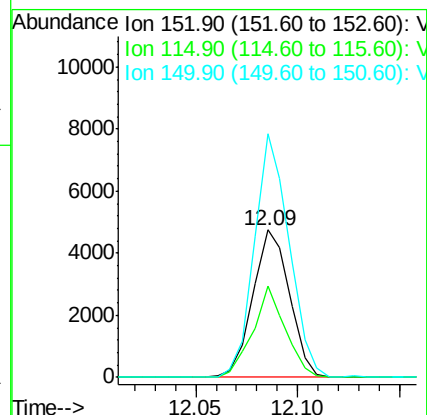
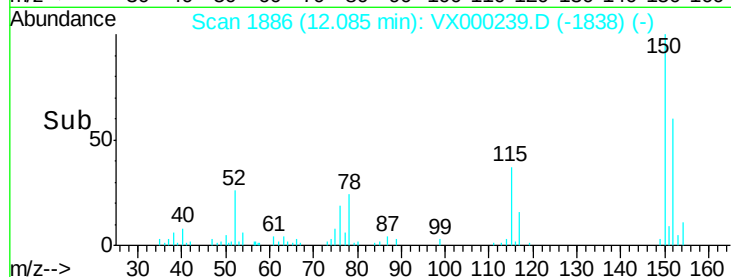
150 156.1 0.0 345.0



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



#73

Isopropylbenzene

Concen: 0.24 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.01 min

Lab File: VX000239.D

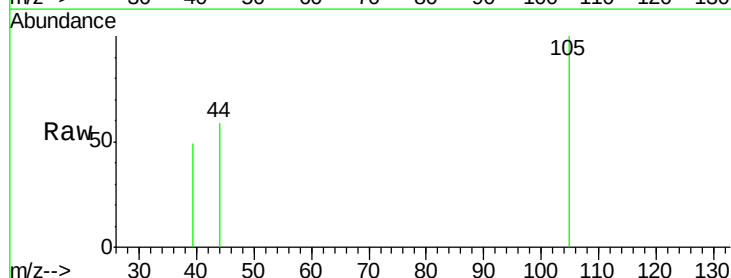
Acq: 08 Mar 2018 23:33

Tgt Ion:105 Resp: 90

Ion Ratio Lower Upper

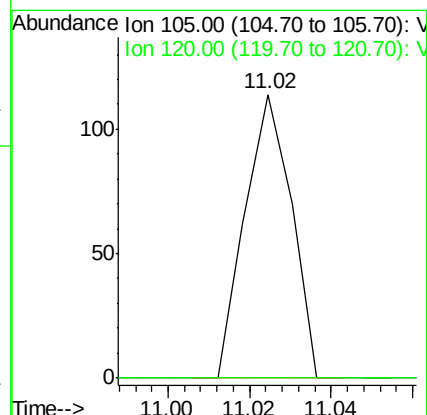
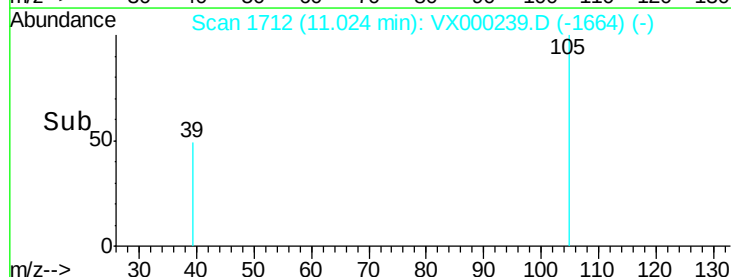
105 100

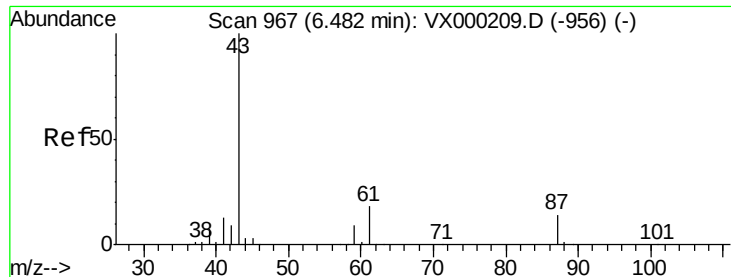
120 0.0 13.5 40.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 8.06 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.00 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

Instrument :

MSVOA_X

ClientSampleId :

TP-3-A-COMP

Tot Ion: 43 Resp: 1535

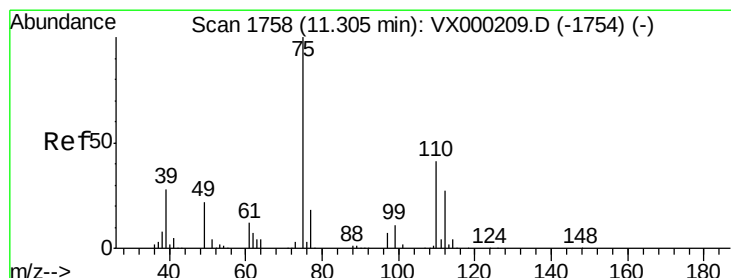
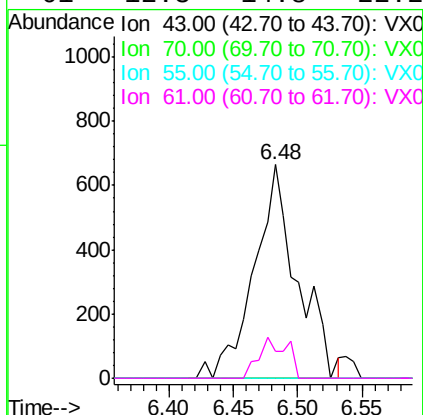
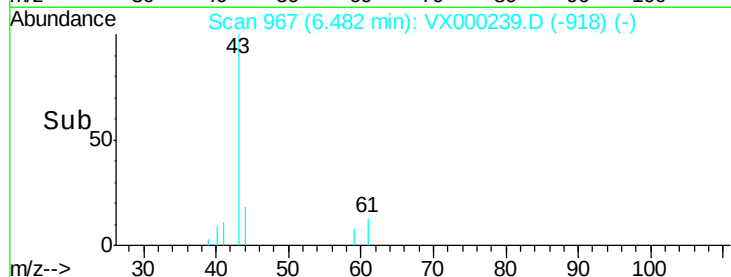
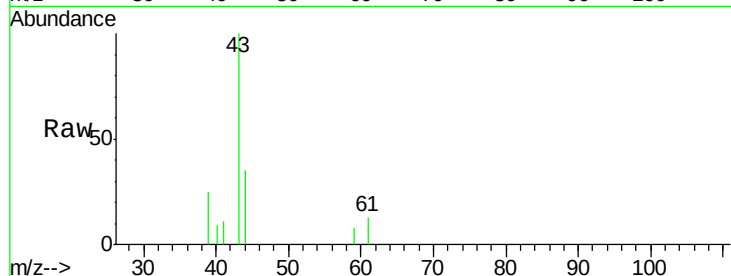
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 12.3 14.8 22.2#



#76

1,2,3-Trichloropropane

Concen: 29.57 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000239.D

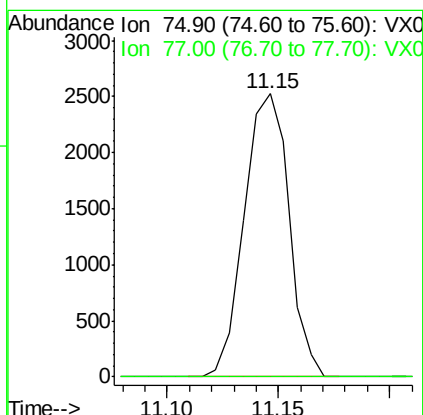
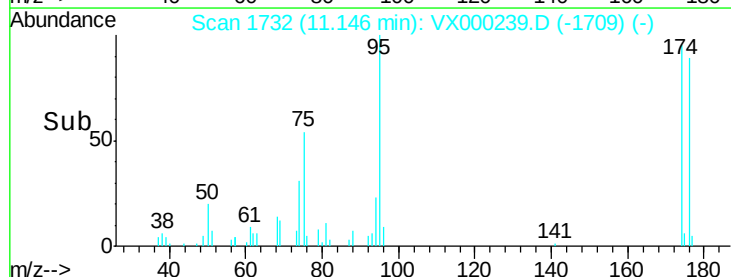
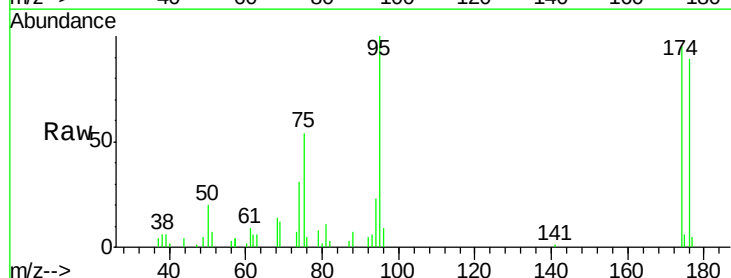
Acq: 08 Mar 2018 23:33

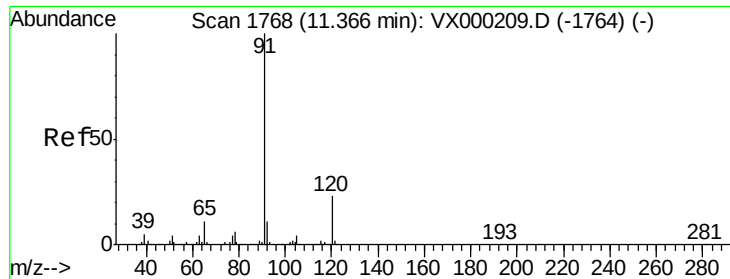
Tgt Ion: 75 Resp: 3525

Ion Ratio Lower Upper

75 100

77 0.0 22.3 66.8#





#78

n-propylbenzene

Concen: 0.55 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

Instrument :

MSVOA_X

ClientSampled :

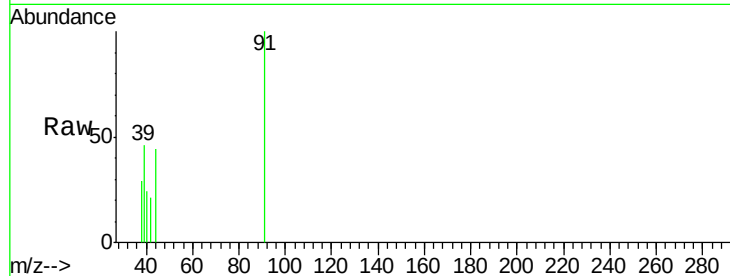
TP-3-A-COMP

Tot Ion: 91 Resp: 241

Ion Ratio Lower Upper

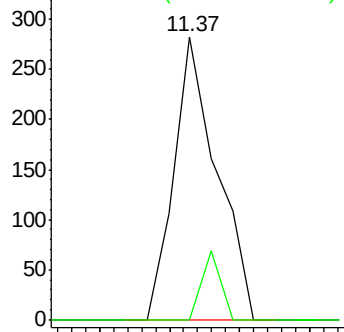
91 100

120 10.4 12.2 36.4#

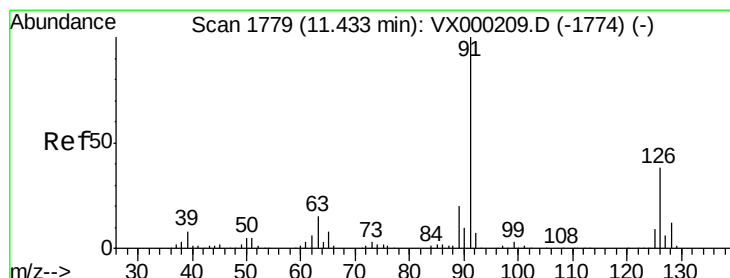
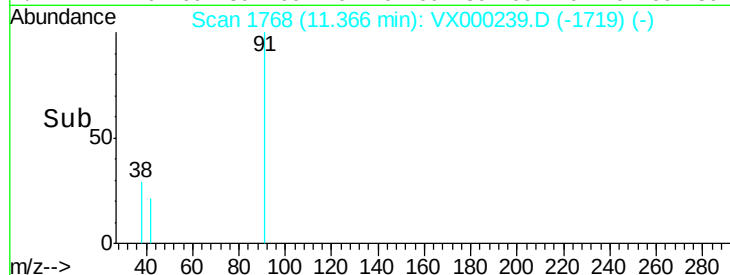


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



Time-->



#79

2-Chlorotoluene

Concen: 0.62 ug/l

RT: 11.52 min Scan# 1794

Delta R.T. 0.09 min

Lab File: VX000239.D

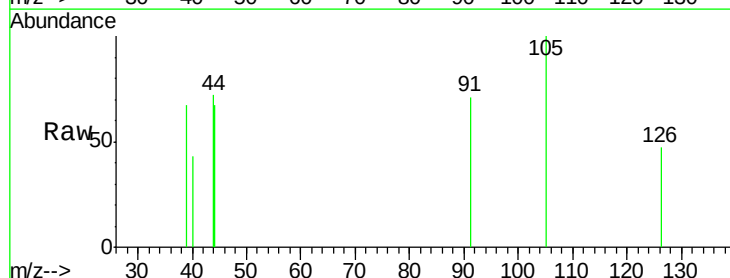
Acq: 08 Mar 2018 23:33

Tgt Ion: 91 Resp: 154

Ion Ratio Lower Upper

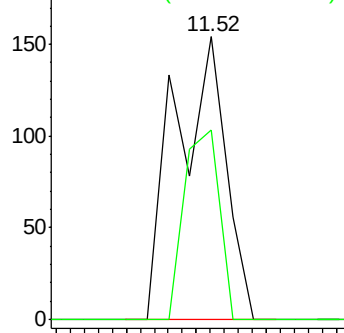
91 100

126 46.8 18.4 55.2

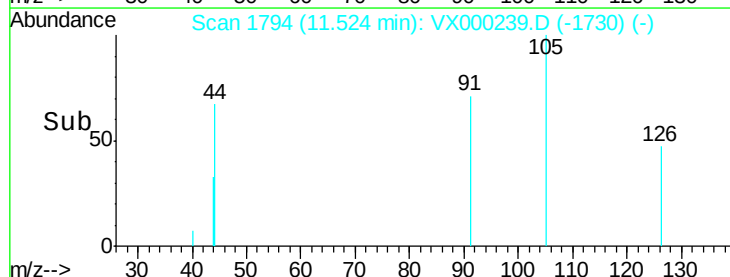


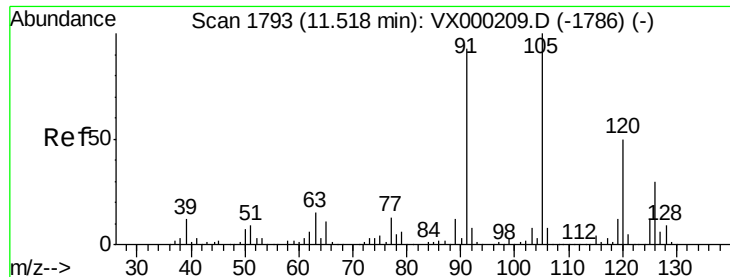
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



Time-->

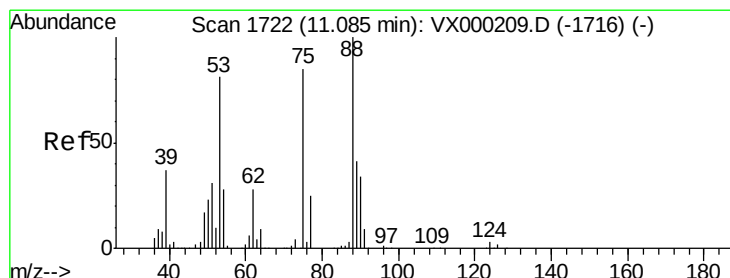
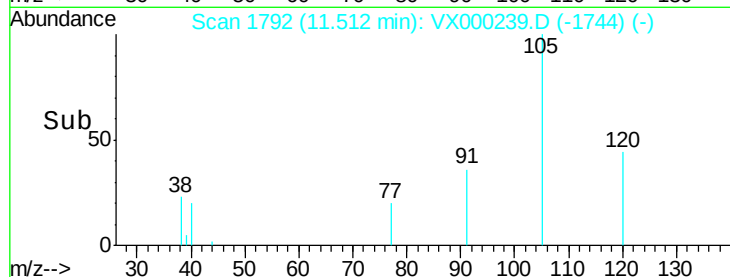
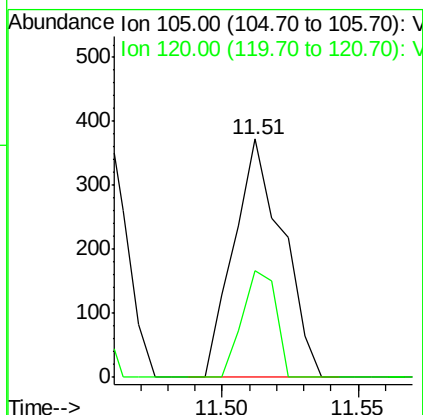
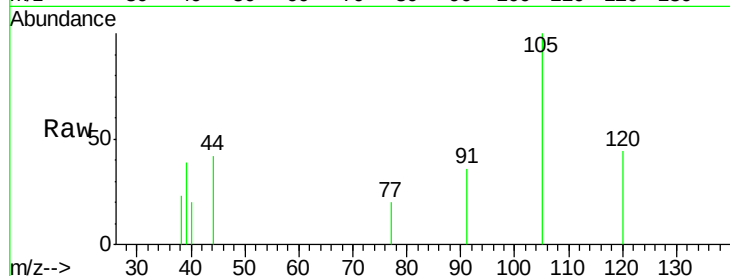




#80
 1,3,5-Trimethylbenzene
 Concen: 1.49 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: VX000239.D
 Acq: 08 Mar 2018 23:33

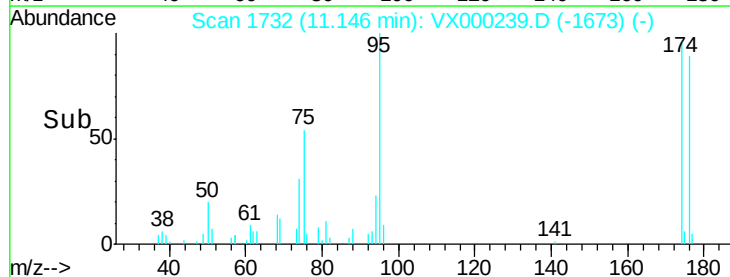
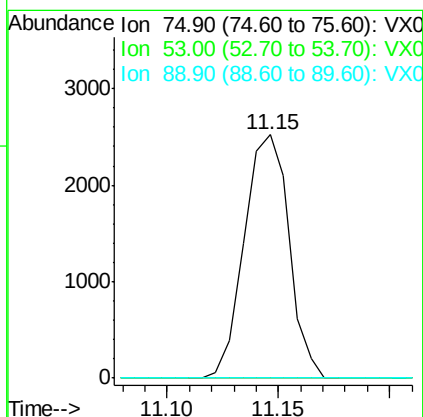
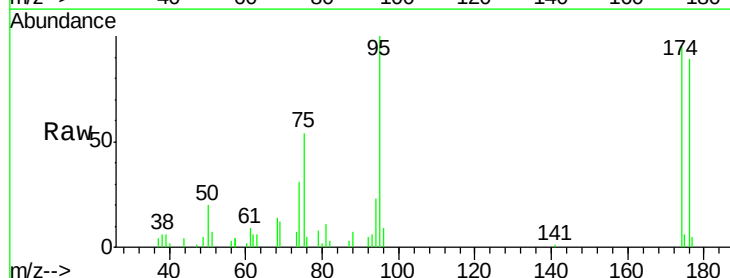
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3-A-COMP

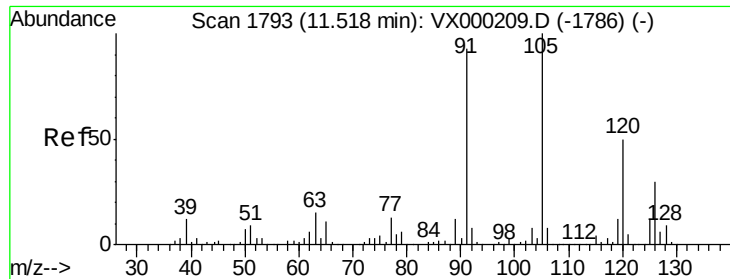
Tot Ion:105 Resp: 463
 Ion Ratio Lower Upper
 105 100
 120 30.7 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.55 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000239.D
 Acq: 08 Mar 2018 23:33

Tgt Ion: 75 Resp: 3525
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.6 118.0#
 89 0.0 38.8 58.2#

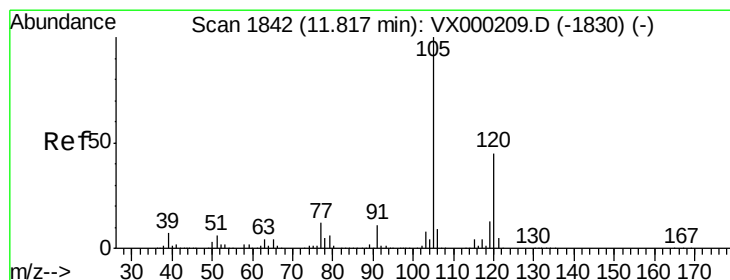
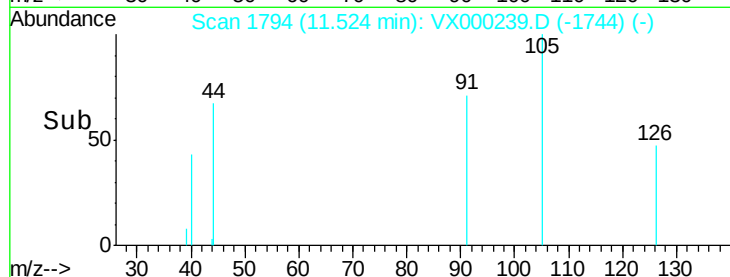
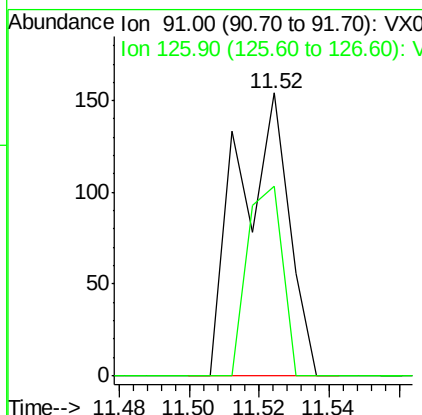
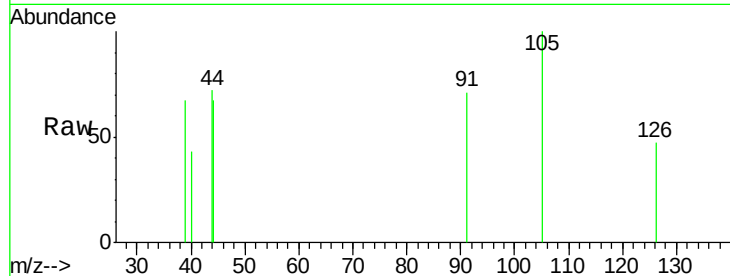




#82
4-Chlorotoluene
Concen: 0.51 ug/l
RT: 11.52 min Scan# 1794
Delta R.T. 0.01 min
Lab File: VX000239.D
Acq: 08 Mar 2018 23:33

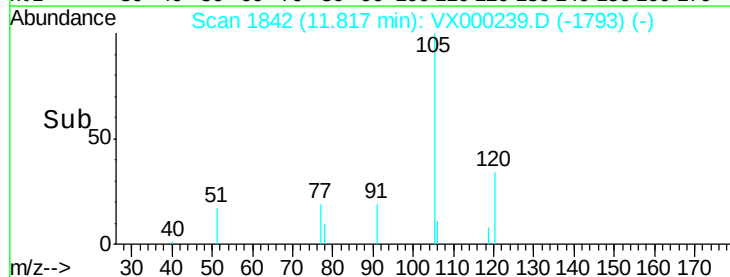
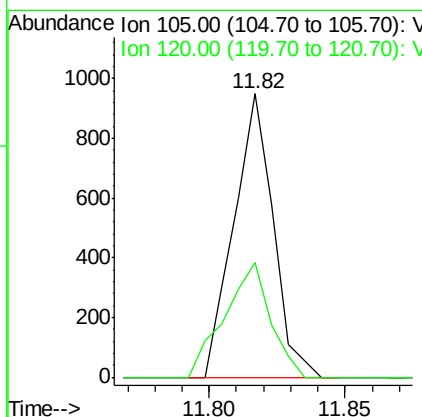
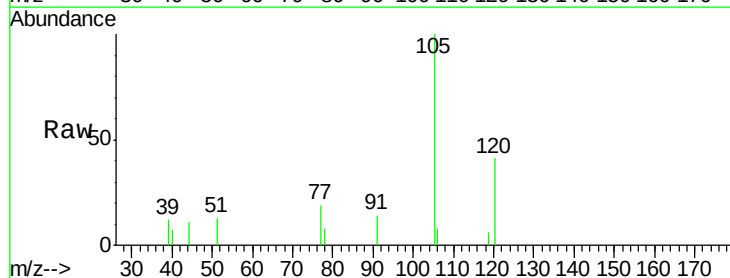
Instrument :
MSVOA_X
ClientSampleId :
TP-3-A-COMP

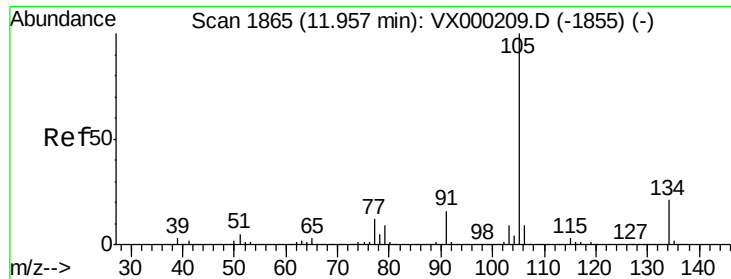
Tot Ion: 91 Resp: 154
Ion Ratio Lower Upper
91 100
126 46.8 16.0 48.0



#84
1,2,4-Trimethylbenzene
Concen: 2.96 ug/l
RT: 11.82 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX000239.D
Acq: 08 Mar 2018 23:33

Tgt Ion: 105 Resp: 947
Ion Ratio Lower Upper
105 100
120 47.4 23.0 69.0





#85

sec-Butylbenzene

Concen: 0.59 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

Instrument :

MSVOA_X

ClientSampled :

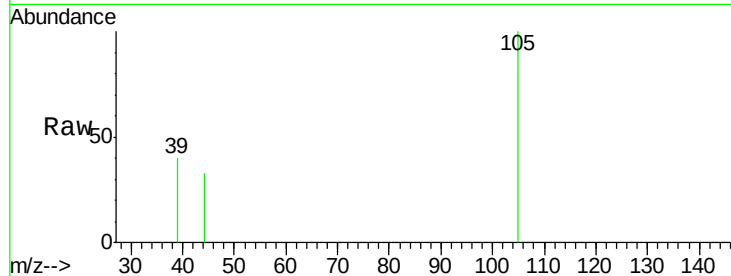
TP-3-A-COMP

Tot Ion:105 Resp: 227

Ion Ratio Lower Upper

105 100

134 0.0 10.3 30.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.96

250

200

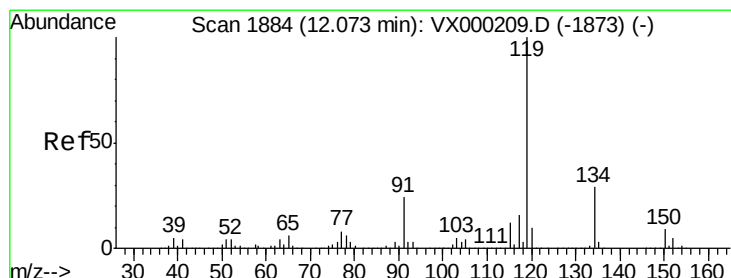
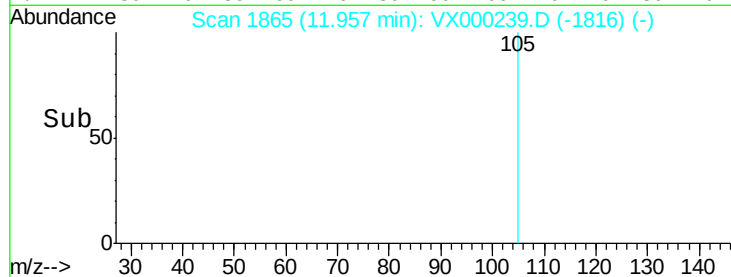
150

100

50

0

Time-->



#86

p-Isopropyltoluene

Concen: 1.42 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

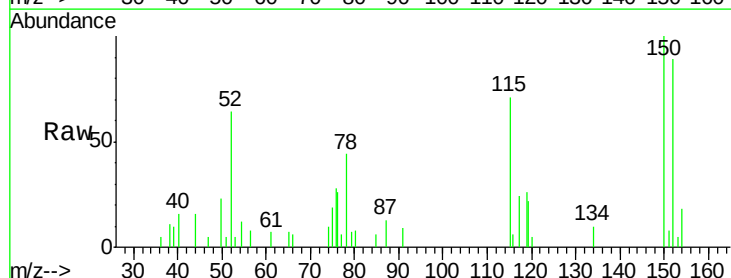
Tgt Ion:119 Resp: 479

Ion Ratio Lower Upper

119 100

134 33.8 13.8 41.3

91 28.2 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

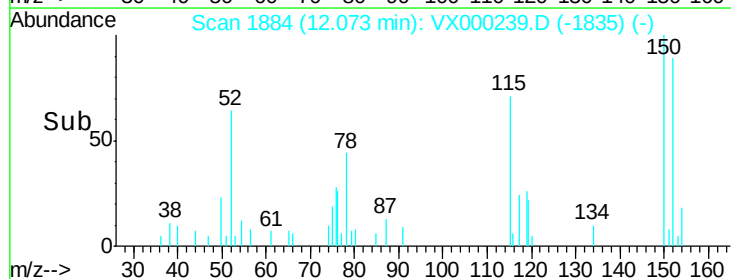
600

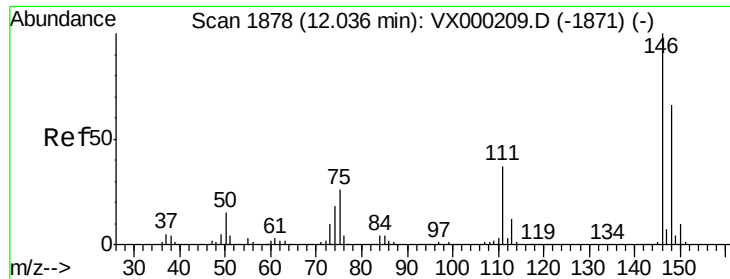
400

200

0

Time-->

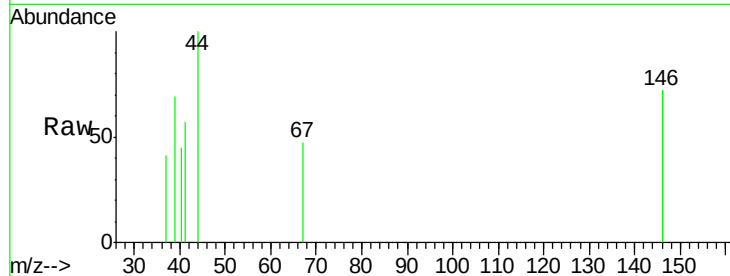




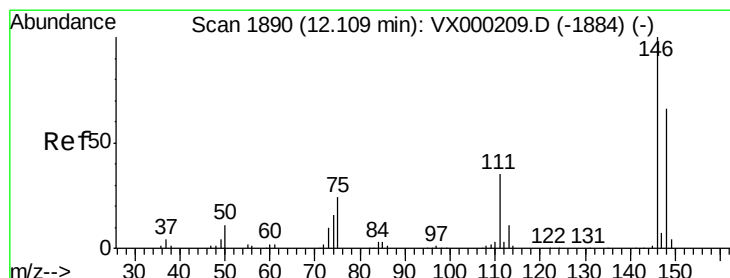
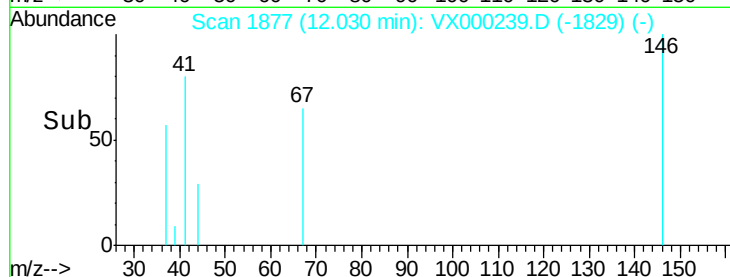
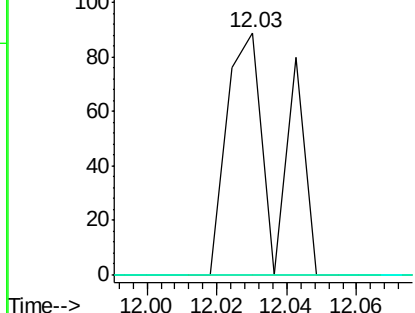
#87
 1,3-Dichlorobenzene
 Concen: 0.49 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.01 min
 Lab File: VX000239.D
 Acq: 08 Mar 2018 23:33

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3-A-COMP

Tot Ion:146 Resp: 90
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.0 57.0#
 148 0.0 32.1 96.3#

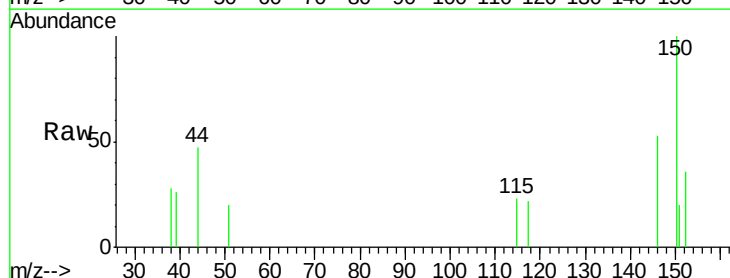


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

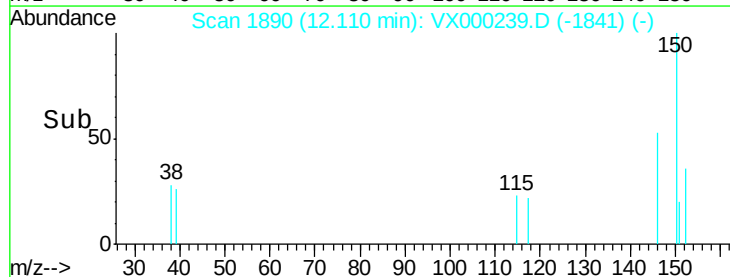
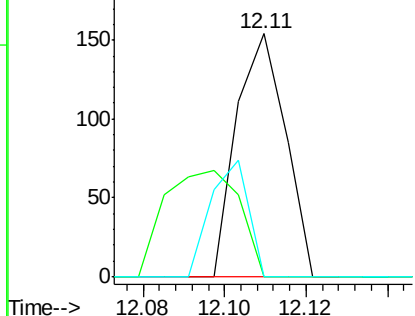


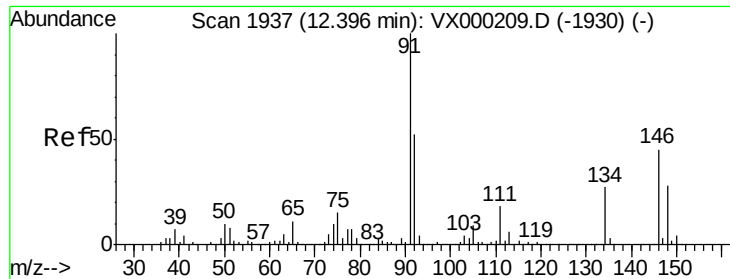
#88
 1,4-Dichlorobenzene
 Concen: 0.67 ug/l
 RT: 12.11 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VX000239.D
 Acq: 08 Mar 2018 23:33

Tgt Ion:146 Resp: 128
 Ion Ratio Lower Upper
 146 100
 111 67.2 18.9 56.9#
 148 36.7 32.6 97.8



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 1.03 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

Instrument :

MSVOA_X

ClientSampleId :

TP-3-A-COMP

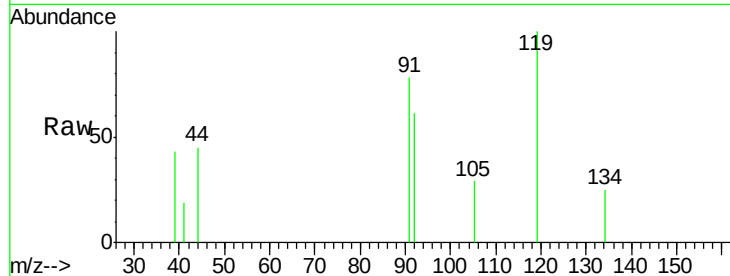
Tot Ion: 91 Resp: 334

Ion Ratio Lower Upper

91 100

92 66.8 25.8 77.4

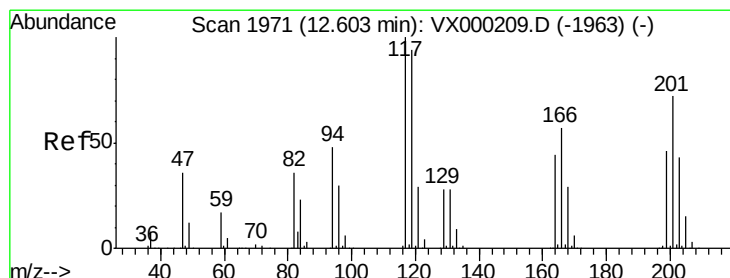
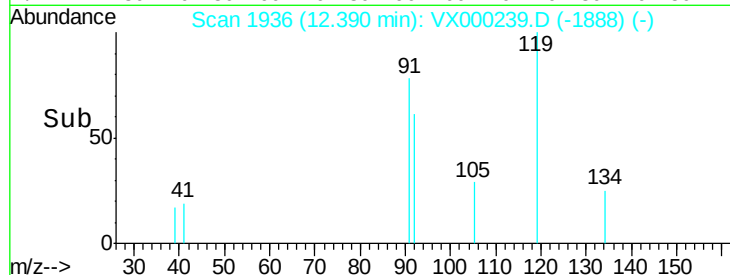
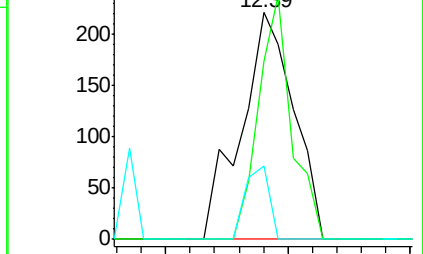
134 14.4 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 4.27 ug/l

RT: 12.77 min Scan# 1998

Delta R.T. 0.16 min

Lab File: VX000239.D

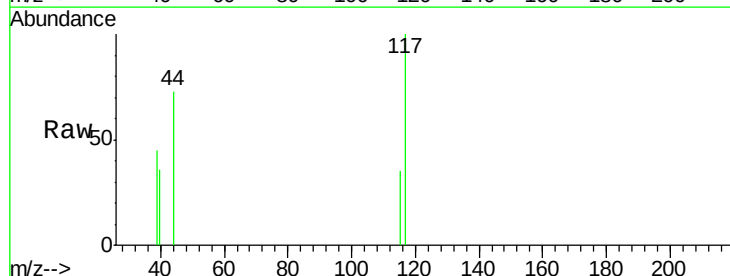
Acq: 08 Mar 2018 23:33

Tgt Ion: 117 Resp: 232

Ion Ratio Lower Upper

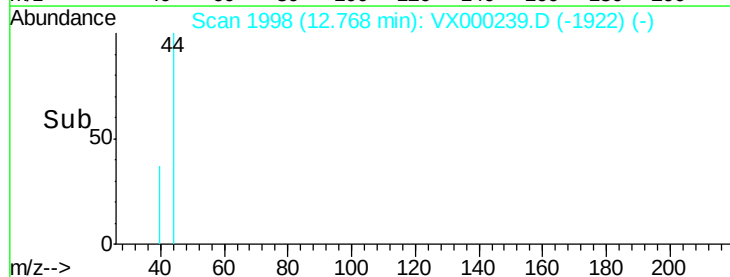
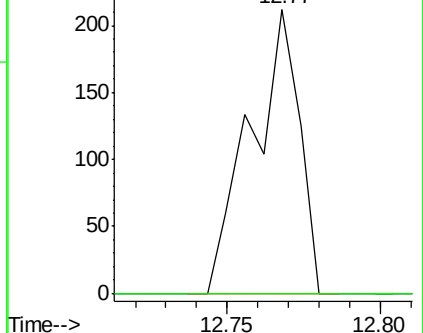
117 100

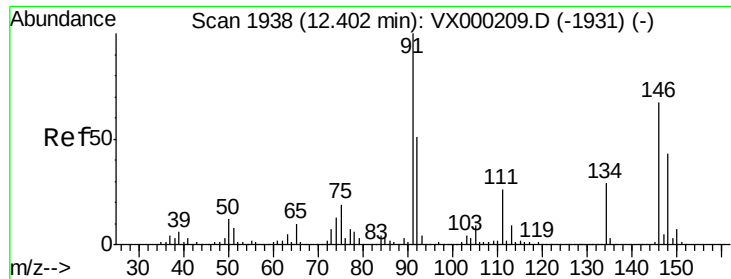
201 0.0 38.2 114.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 0.47 ug/l

RT: 12.40 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

Instrument :

MSVOA_X

ClientSampleId :

TP-3-A-COMP

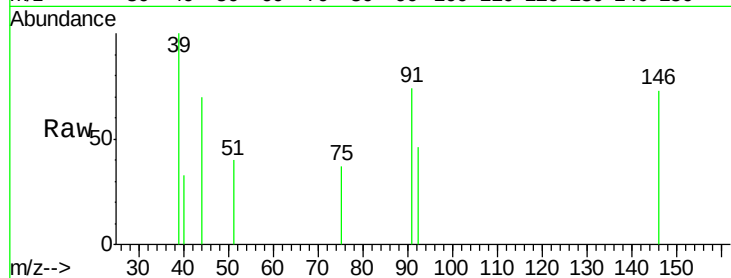
Tot Ion:146 Resp: 86

Ion Ratio Lower Upper

146 100

111 0.0 19.7 59.0#

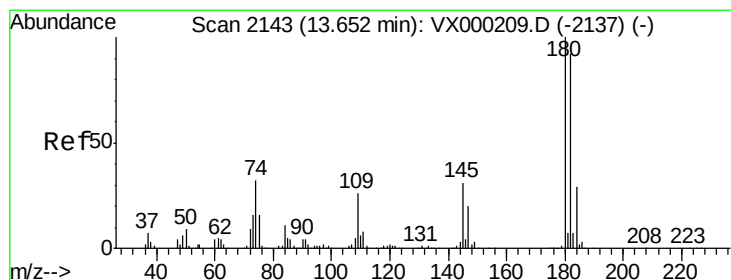
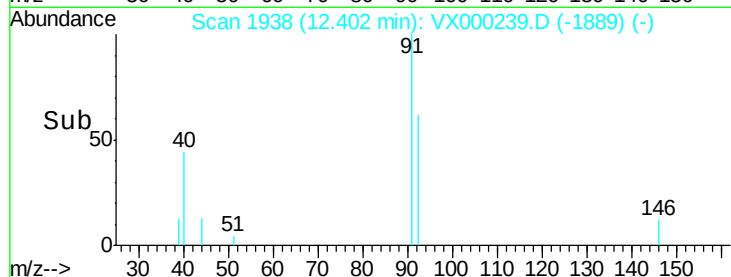
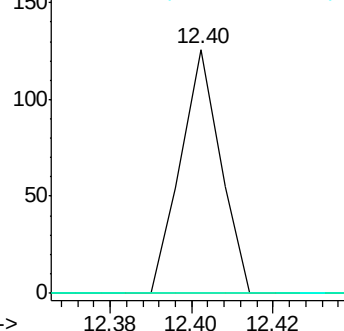
148 0.0 32.0 96.0#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 0.64 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

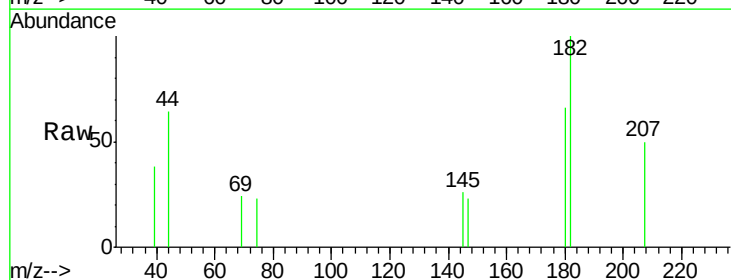
Tgt Ion:180 Resp: 85

Ion Ratio Lower Upper

180 100

182 240.0 47.0 141.0#

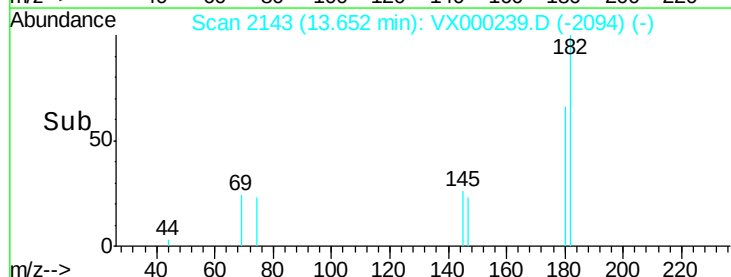
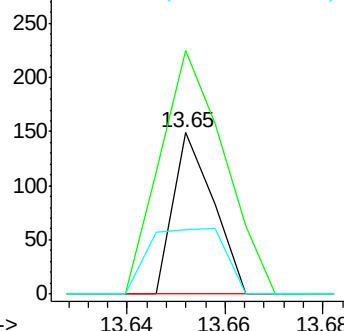
145 76.5 15.3 45.9#

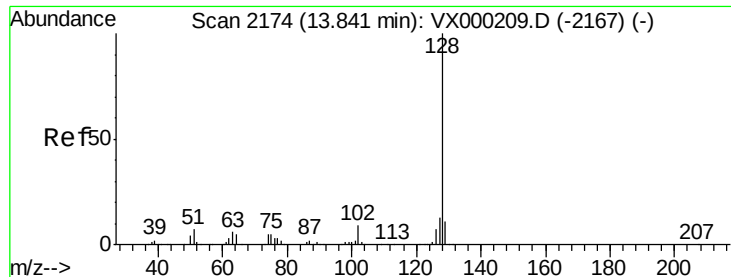


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 84.18 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

Instrument :

MSVOA_X

ClientSampleId :

TP-3-A-COMP

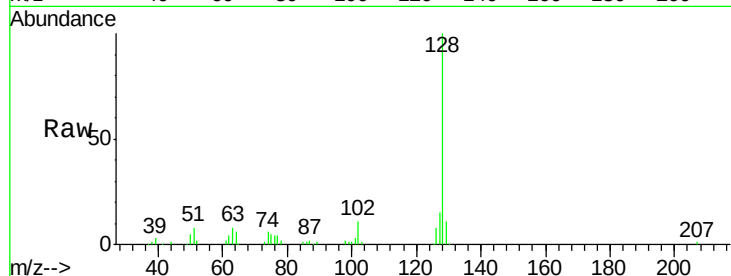
Tot Ion:128 Resp: 38720

Ion Ratio Lower Upper

128 100

127 14.5 10.5 15.7

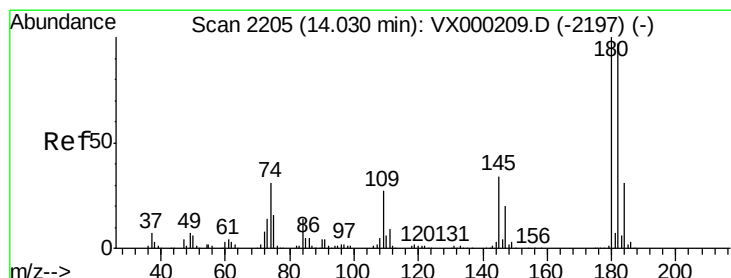
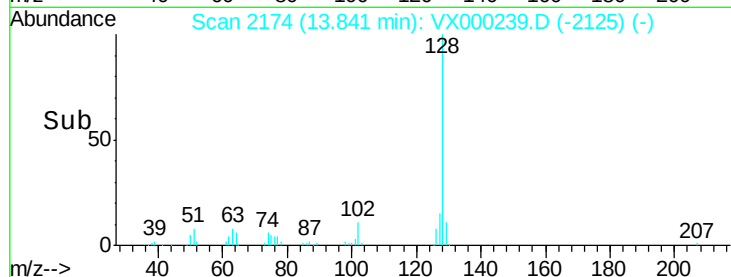
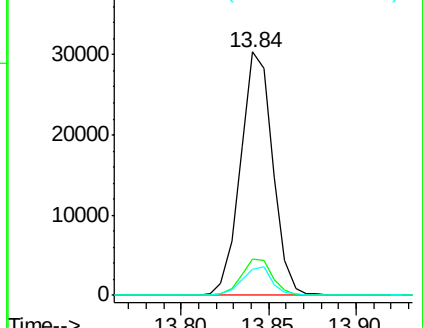
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.38 ug/l

RT: 14.04 min Scan# 2207

Delta R.T. 0.01 min

Lab File: VX000239.D

Acq: 08 Mar 2018 23:33

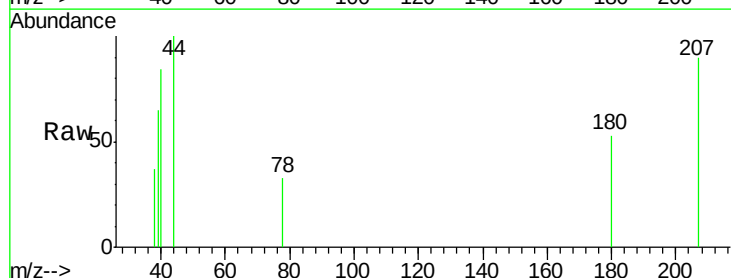
Tgt Ion:180 Resp: 50

Ion Ratio Lower Upper

180 100

182 48.0 48.0 144.0

145 0.0 16.3 48.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

