

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062918\
 Data File : VX003026.D
 Acq On : 29 Jun 2018 14:05
 Operator : JC/MD
 Sample : J3755-01 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 29 14:41:04 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	275620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	383624	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	354134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	205106	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	182422	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
35) Dibromofluoromethane	5.51	113	145618	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
50) Toluene-d8	8.72	98	541474	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	11.14	95	191946	44.86	ug/l	0.00
Spiked Amount			Recovery	=	89.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	67	Below Cal	#	43
3) Chloromethane	1.33	50	575	Below Cal		91
5) Bromomethane	1.65	94	2353	Below Cal		98
6) Chloroethane	1.68	64	2450	Below Cal	#	64
10) Methyl Iodide	2.52	142	1694	6.71	ug/l	# 87
11) Tert butyl alcohol	3.08	59	1638	2.16	ug/l	# 73
13) Acrolein	2.29	56	315	4.97	ug/l	91
15) Acrylonitrile	3.15	53	436	0.27	ug/l	# 72
16) Acetone	2.45	43	306202	194.08	ug/l	98
17) Carbon Disulfide	2.57	76	1634	0.23	ug/l	# 90
25) 2-Butanone	4.71	43	20220	8.64	ug/l	94
29) Tetrahydrofuran	5.17	42	833	0.55	ug/l	# 54
31) Cyclohexane	5.67	56	5562	1.16	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	18235	4.33	ug/l	# 51
37) Ethyl Acetate	4.71	43	20220	4.46	ug/l	# 70
38) Carbon Tetrachloride	5.67	117	24776	5.37	ug/l	# 16
51) 4-Methyl-2-Pentanone	8.65	43	2370	0.50	ug/l	97
59) 2-Hexanone	9.50	43	740	0.20	ug/l	92
76) 1,2,3-Trichloropropane	11.14	75	100047	26.93	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	100047	76.24	ug/l	# 7
86) p-Isopropyltoluene	12.07	119	3426	0.27	ug/l	# 71

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003026.D

Acq: 29 Jun 2018 14:05

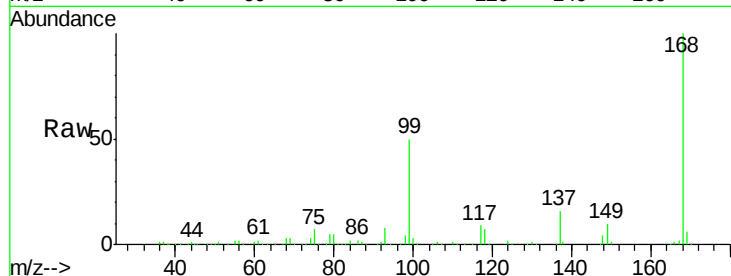
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 275620

Ion Ratio Lower Upper

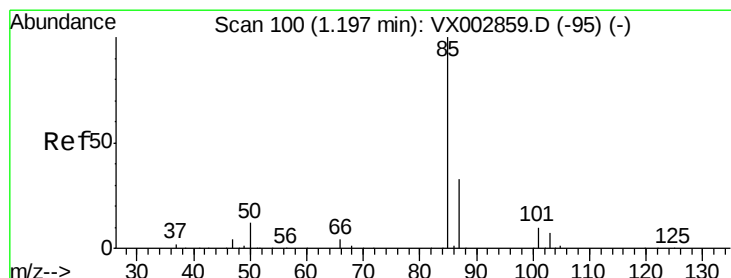
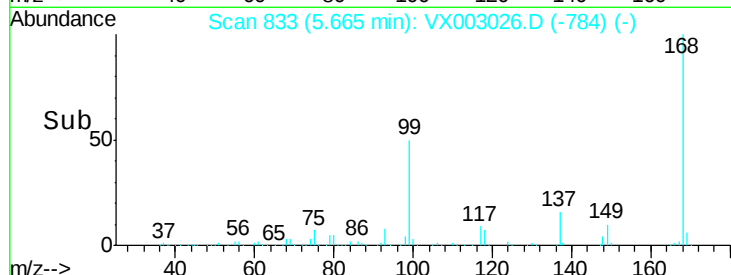
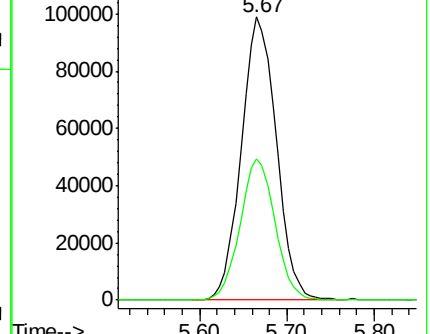
168 100

99 49.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003026.D

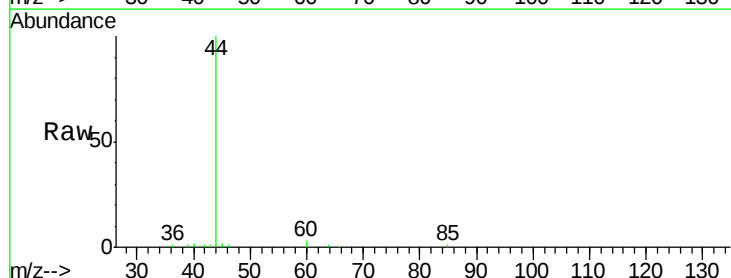
Acq: 29 Jun 2018 14:05

Tgt Ion: 85 Resp: 67

Ion Ratio Lower Upper

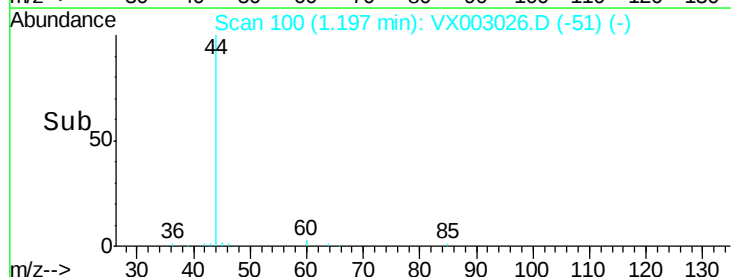
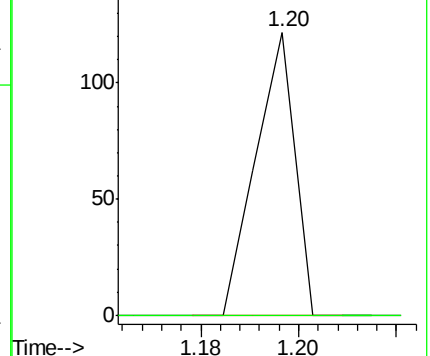
85 100

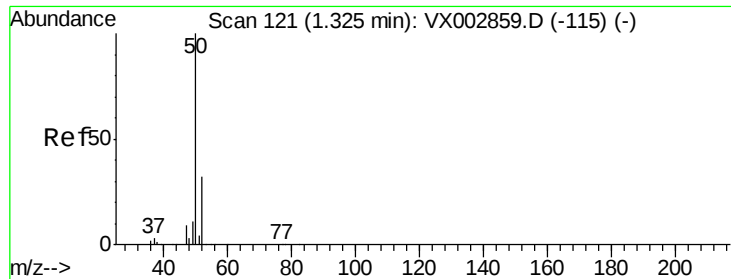
87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003026.D

Acq: 29 Jun 2018 14:05

Instrument :

MSVOA_X

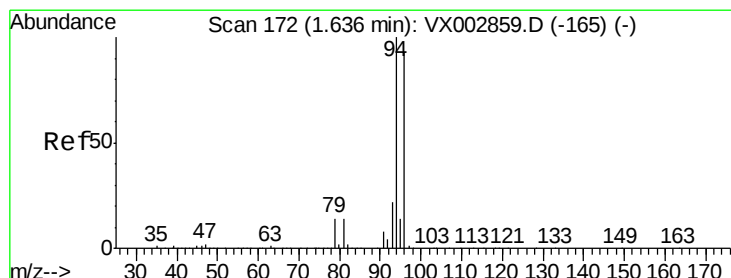
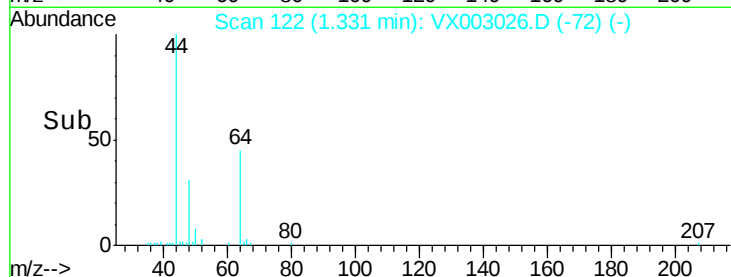
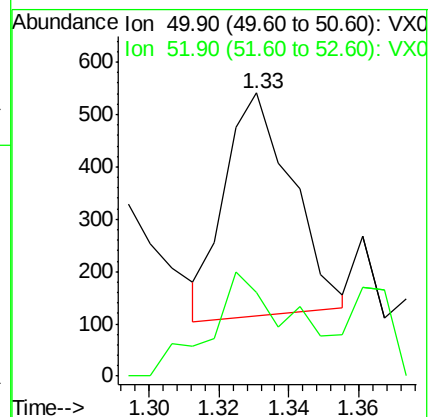
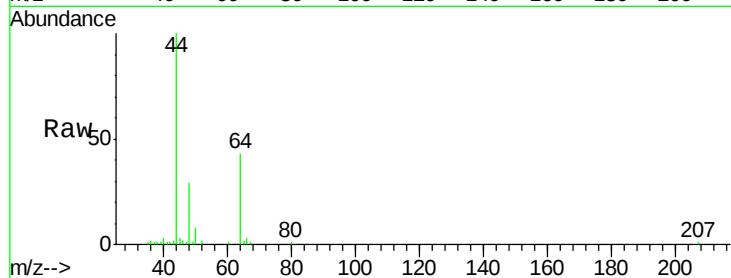
ClientSampleId :

Tot Ion: 50 Resp: 575

Ion Ratio Lower Upper

50 100

52 27.0 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003026.D

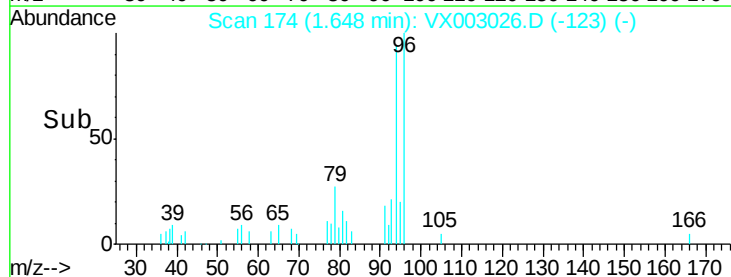
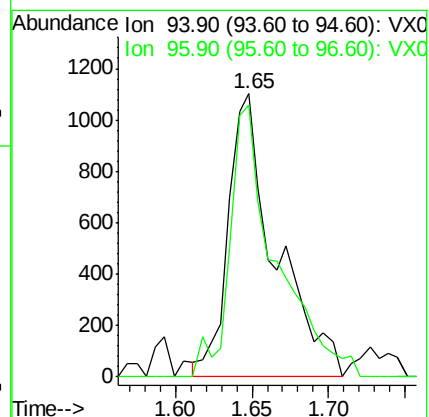
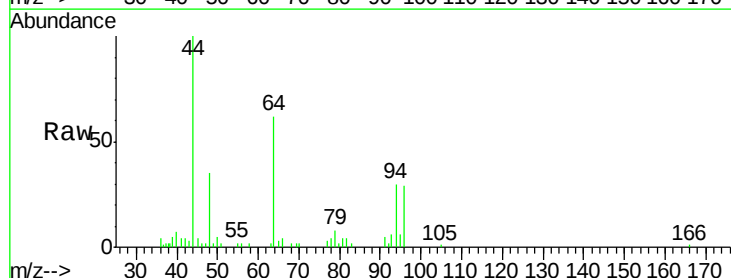
Acq: 29 Jun 2018 14:05

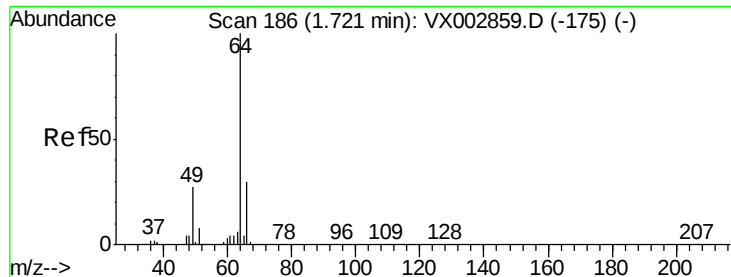
Tgt Ion: 94 Resp: 2353

Ion Ratio Lower Upper

94 100

96 95.8 74.9 112.3





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 180

Delta R.T. -0.04 min

Lab File: VX003026.D

Acq: 29 Jun 2018 14:05

Instrument :

MSVOA_X

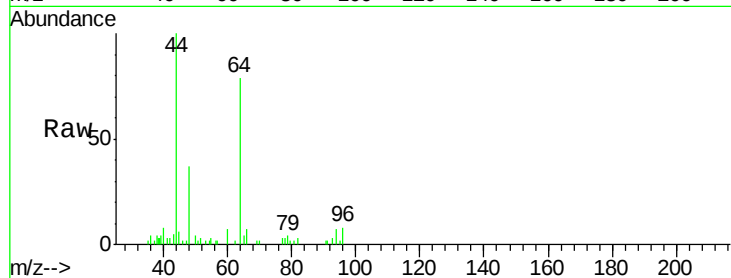
ClientSampleId :

Tot Ion: 64 Resp: 2450

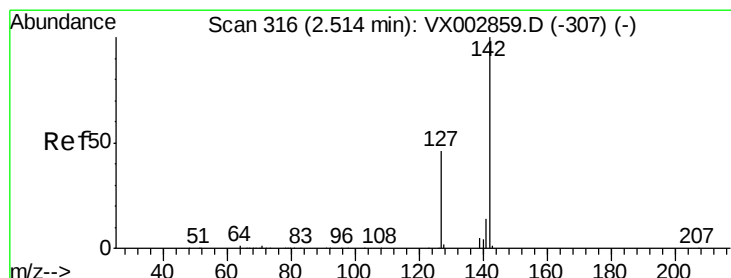
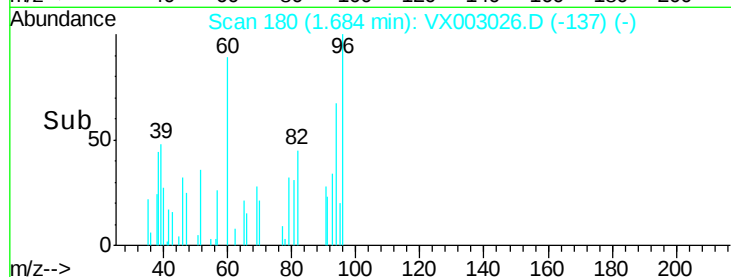
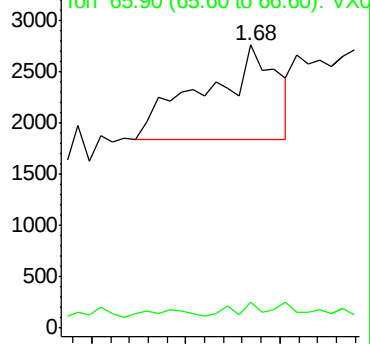
Ion Ratio Lower Upper

64 100

66 11.7 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX003026.D (-137) (-)



#10

Methyl Iodide

Concen: 6.71 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003026.D

Acq: 29 Jun 2018 14:05

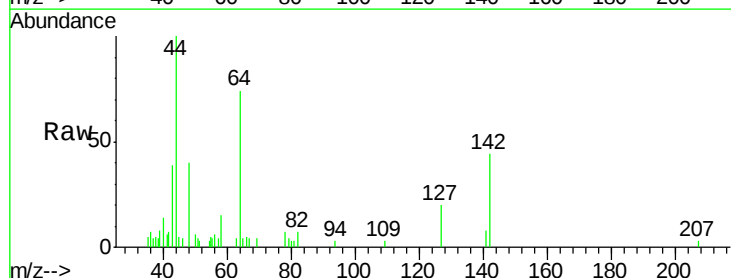
Tgt Ion:142 Resp: 1694

Ion Ratio Lower Upper

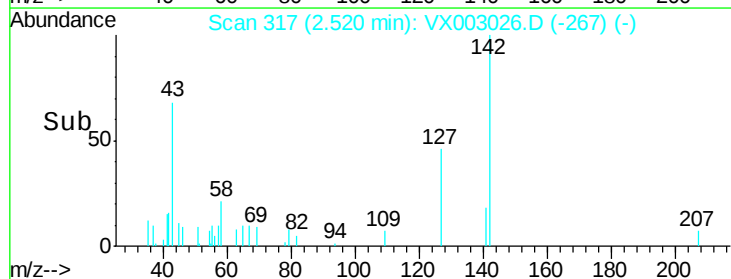
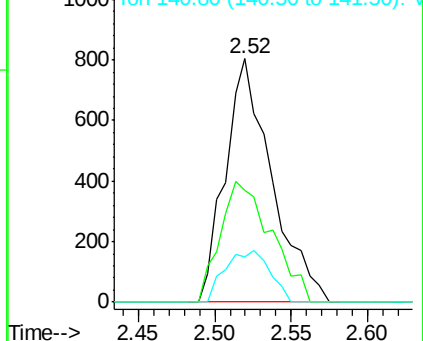
142 100

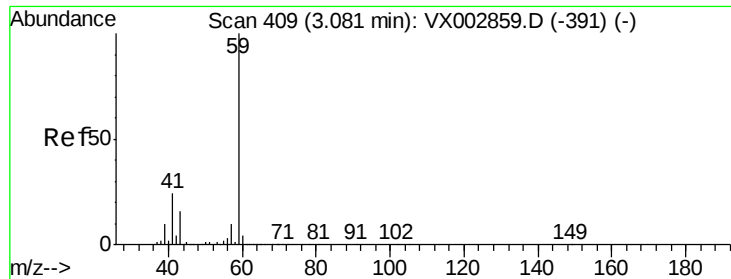
127 54.3 36.6 55.0

141 20.2 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): VX003026.D (-267) (-)



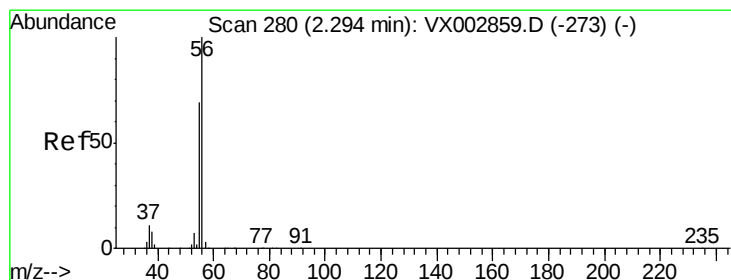
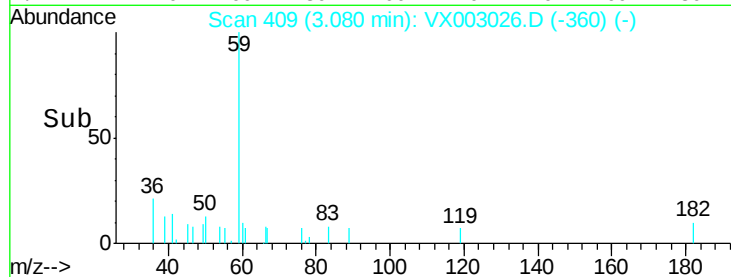
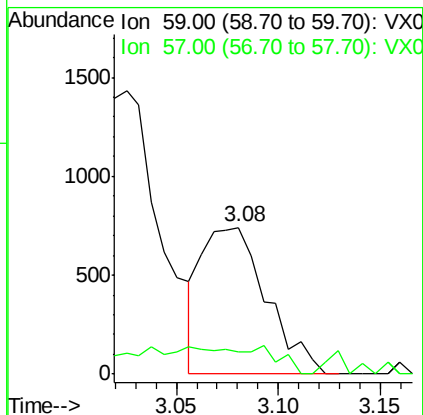
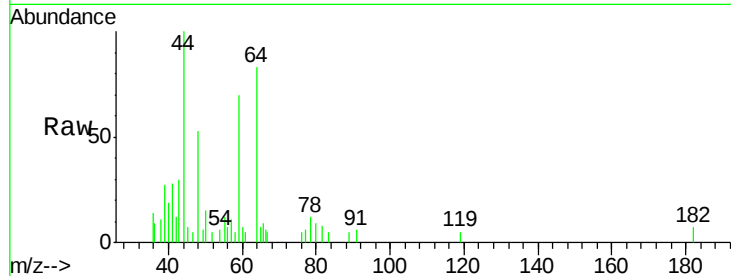


#11

Tert butyl alcohol
 Concen: 2.16 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.00 min
 Lab File: VX003026.D
 Acq: 29 Jun 2018 14:05

Instrument :
 MSVOA_X
 ClientSampled :

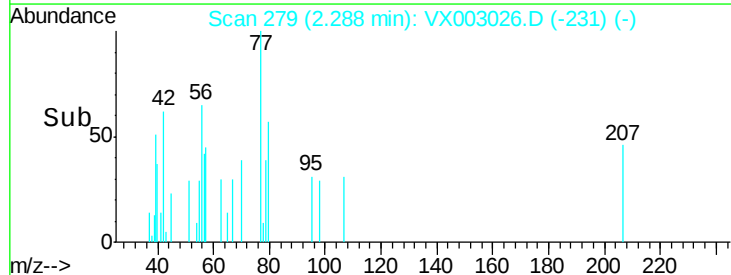
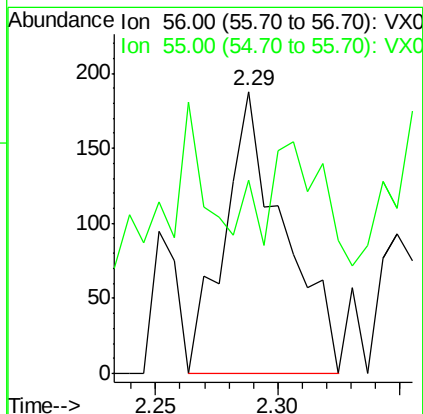
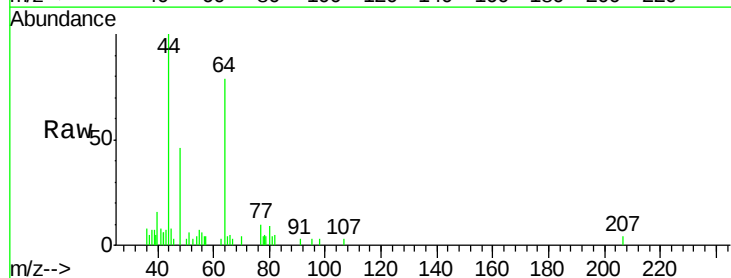
Tot Ion: 59 Resp: 1638
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

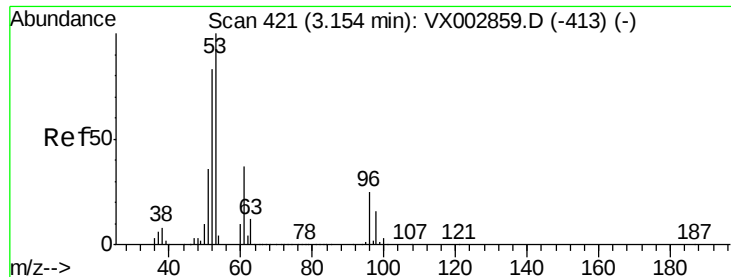


#13

Acrolein
 Concen: 4.97 ug/l
 RT: 2.29 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX003026.D
 Acq: 29 Jun 2018 14:05

Tgt Ion: 56 Resp: 315
 Ion Ratio Lower Upper
 56 100
 55 64.1 57.0 85.4





#15

Acrylonitrile

Concen: 0.27 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

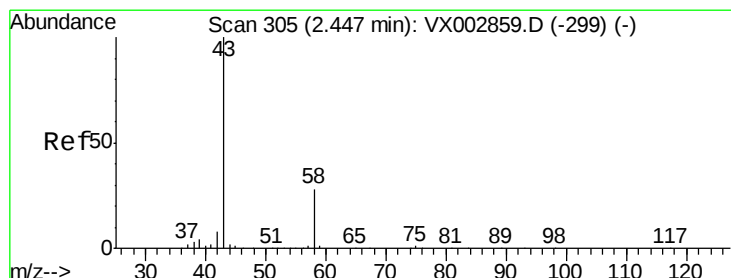
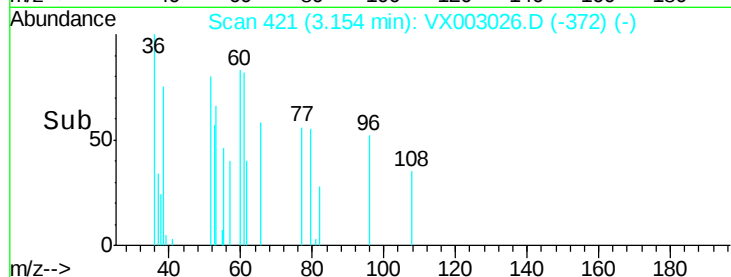
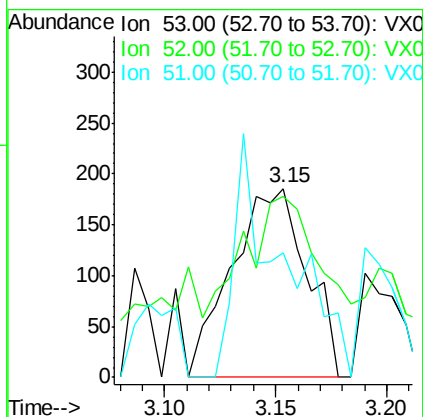
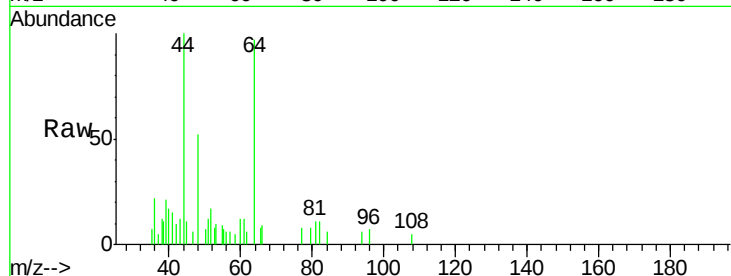
Lab File: VX003026.D

Acq: 29 Jun 2018 14:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 53 Resp: 436

Ion	Ratio	Lower	Upper
53	100		
52	78.0	66.7	100.1
51	83.3	29.9	44.9#



#16

Acetone

Concen: 194.08 ug/l

RT: 2.45 min Scan# 305

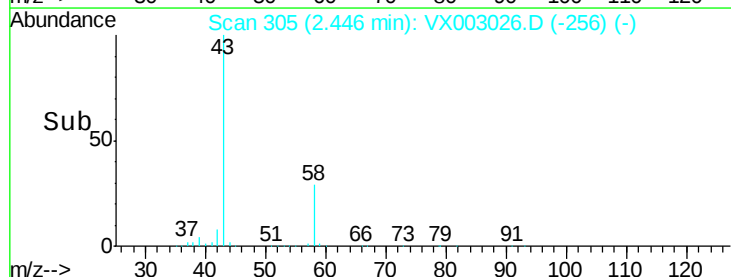
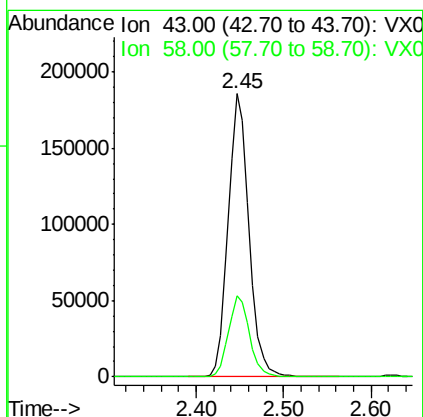
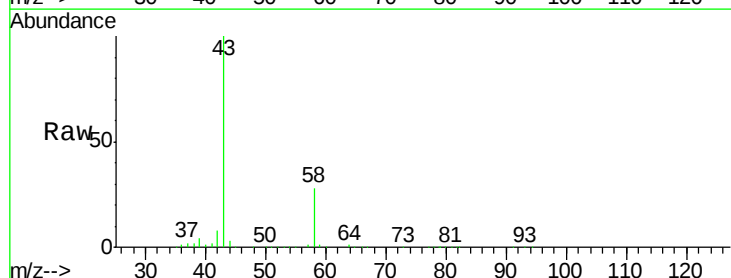
Delta R.T. -0.00 min

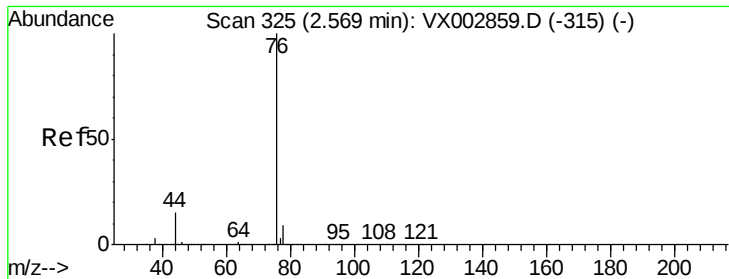
Lab File: VX003026.D

Acq: 29 Jun 2018 14:05

Tgt Ion: 43 Resp: 306202

Ion	Ratio	Lower	Upper
43	100		
58	28.5	22.1	33.1

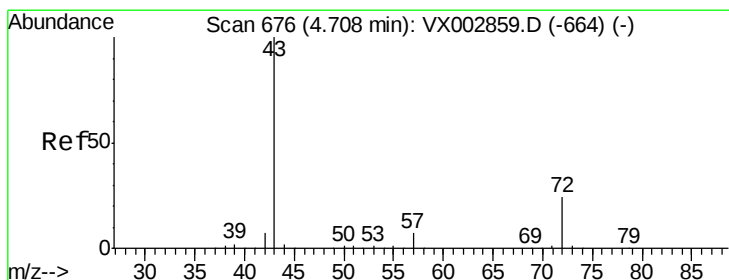
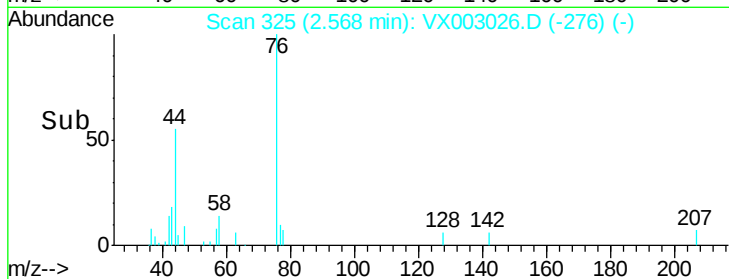
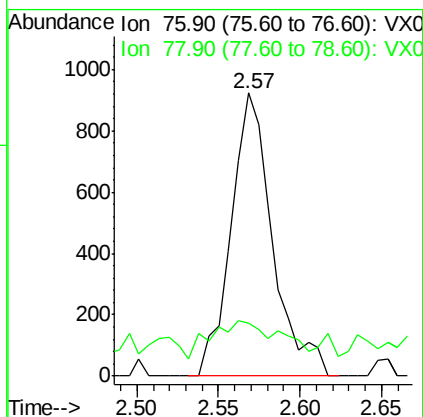
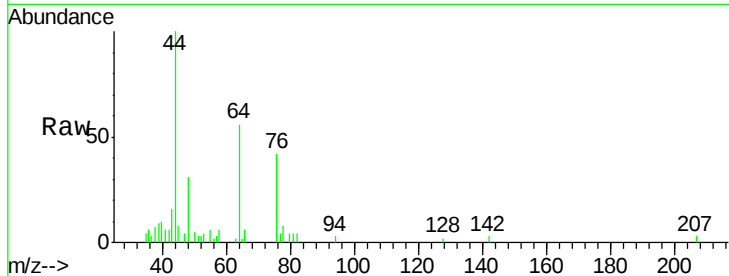




#17
Carbon Disulfide
Concen: 0.23 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003026.D
Acq: 29 Jun 2018 14:05

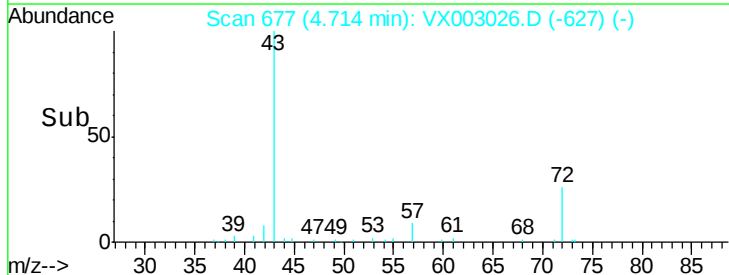
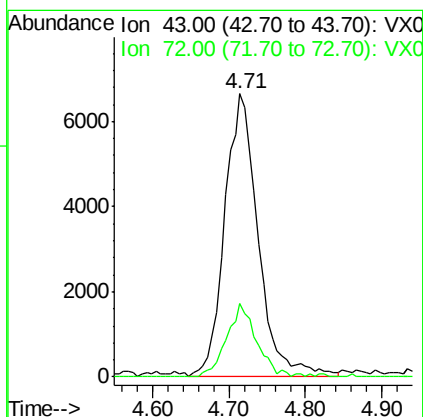
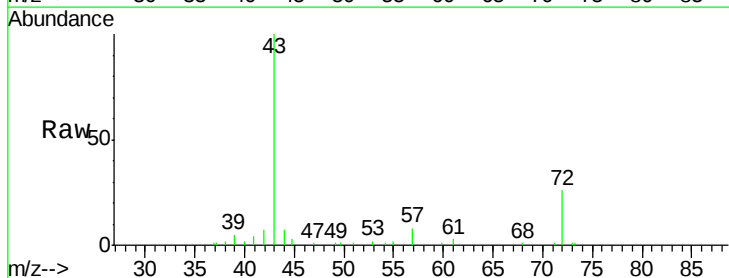
Instrument :
MSVOA_X
ClientSampled :

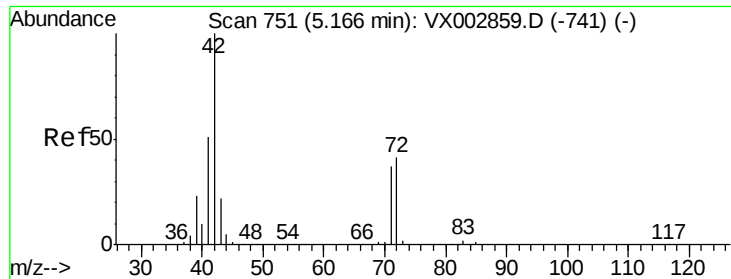
Tot Ion: 76 Resp: 1634
Ion Ratio Lower Upper
76 100
78 12.4 6.9 10.3#



#25
2-Butanone
Concen: 8.64 ug/l
RT: 4.71 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX003026.D
Acq: 29 Jun 2018 14:05

Tgt Ion: 43 Resp: 20220
Ion Ratio Lower Upper
43 100
72 26.0 18.5 27.7

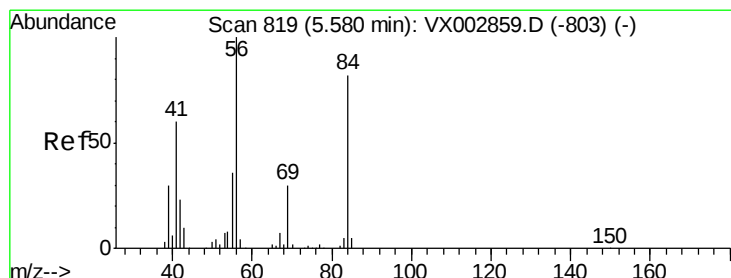
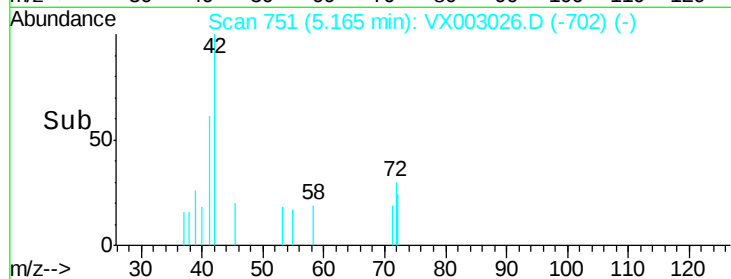
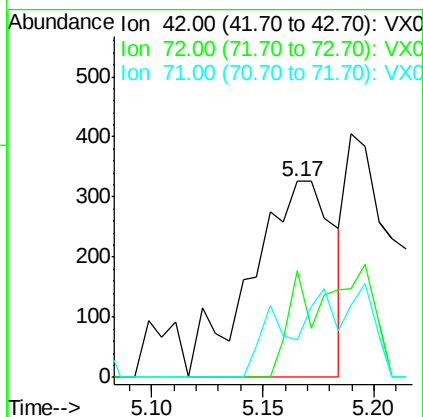
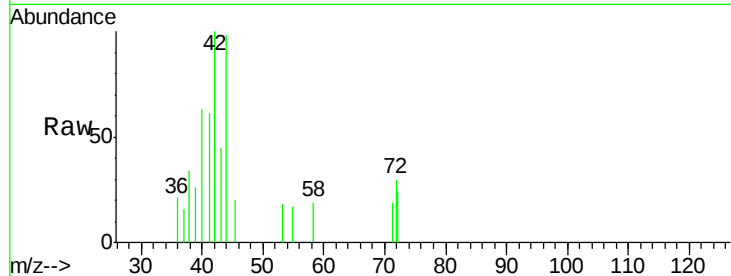




#29
Tetrahydrofuran
Concen: 0.55 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX003026.D
Acq: 29 Jun 2018 14:05

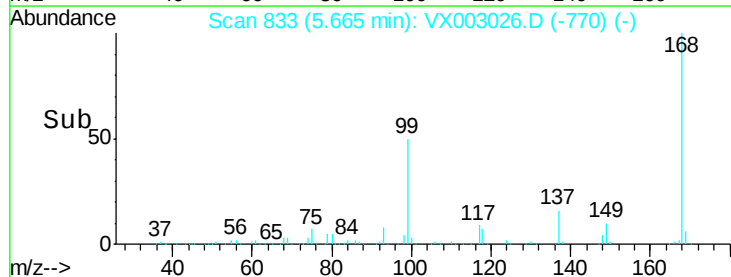
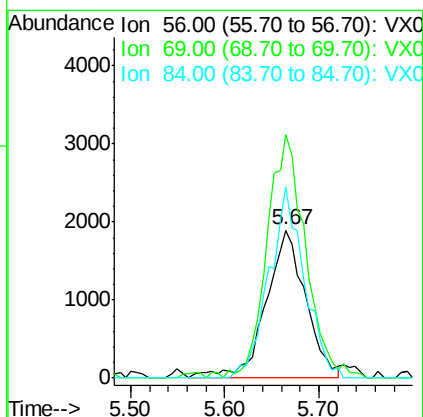
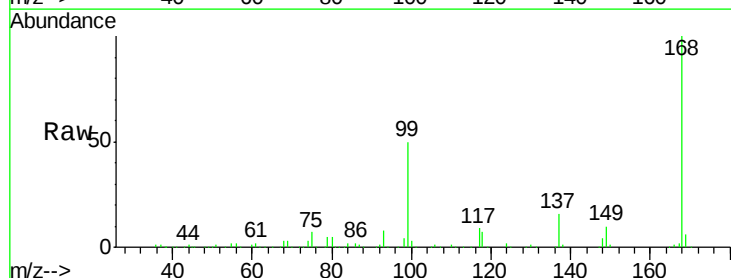
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 42 Resp: 833
Ion Ratio Lower Upper
42 100
72 14.2 32.0 48.0#
71 7.7 30.1 45.1#



#31
Cyclohexane
Concen: 1.16 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX003026.D
Acq: 29 Jun 2018 14:05

Tgt Ion: 56 Resp: 5562
Ion Ratio Lower Upper
56 100
69 161.6 23.7 35.5#
84 129.3 64.1 96.1#

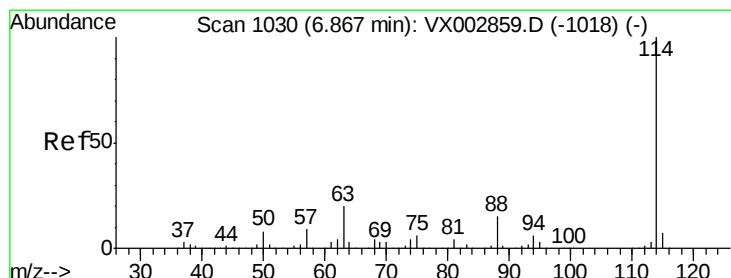
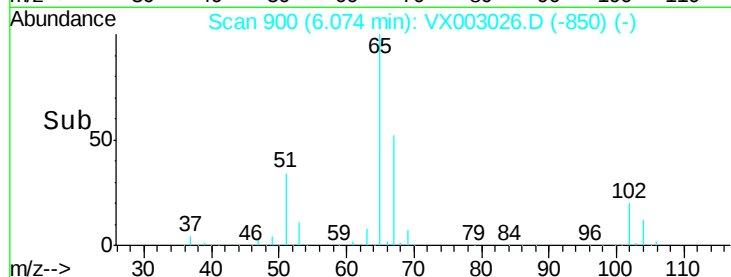
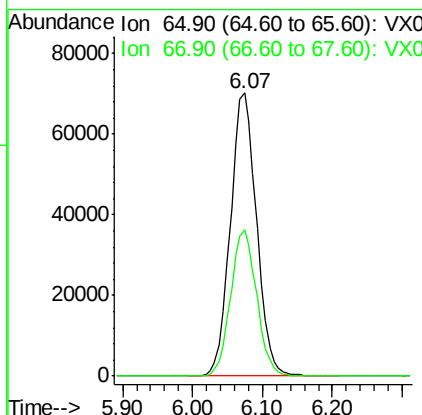
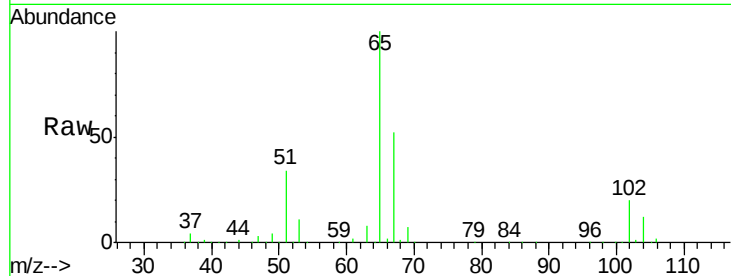




#33
 1,2-Dichloroethane-d4
 Concen: 47.88 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003026.D
 Acq: 29 Jun 2018 14:05

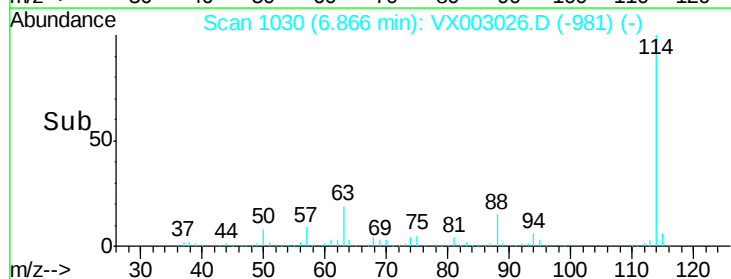
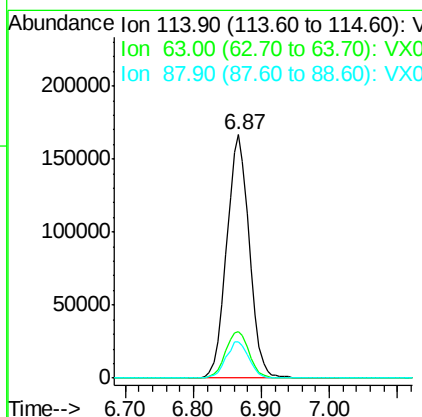
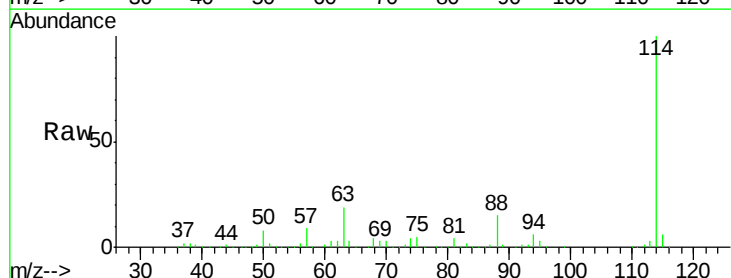
Instrument :
 MSVOA_X
 ClientSampleId :

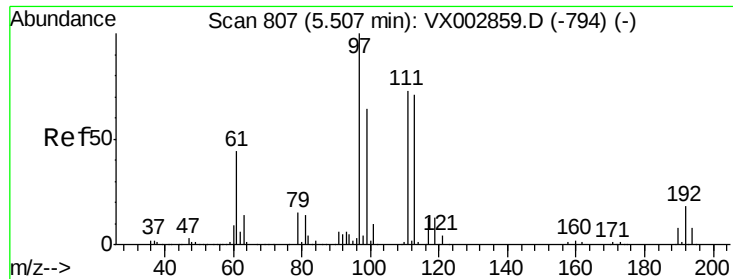
Tot Ion: 65 Resp: 182422
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003026.D
 Acq: 29 Jun 2018 14:05

Tgt Ion: 114 Resp: 383624
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.4
 88 15.1 0.0 30.0

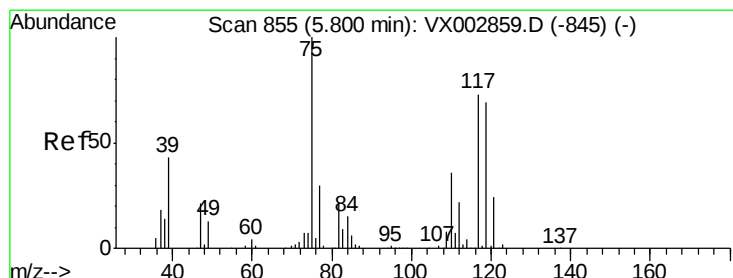
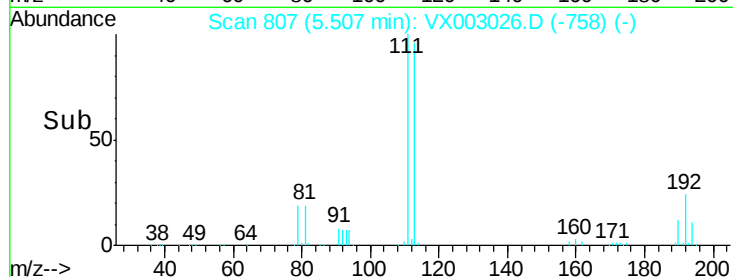
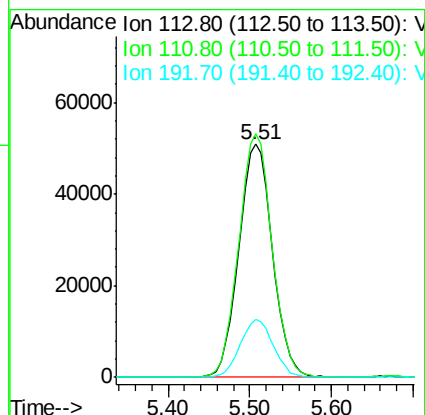
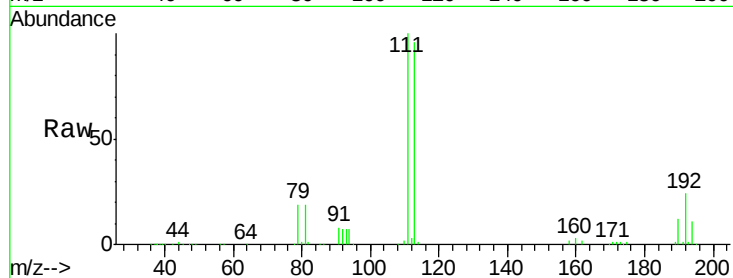




#35
 Dibromofluoromethane
 Concen: 47.93 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003026.D
 Acq: 29 Jun 2018 14:05

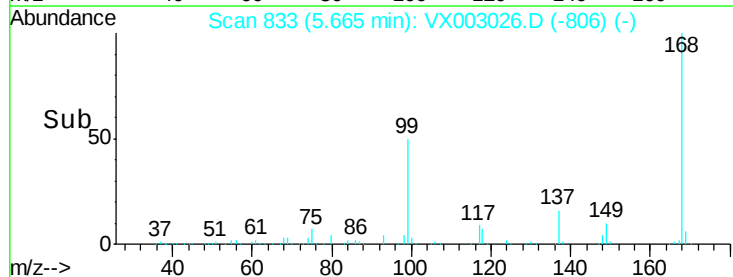
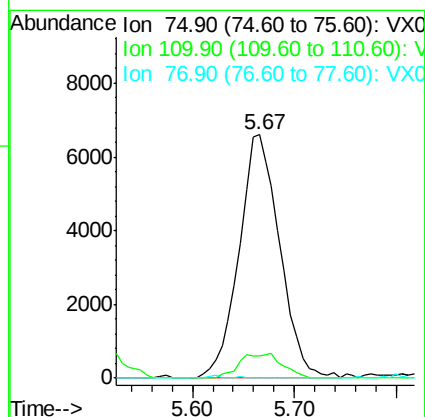
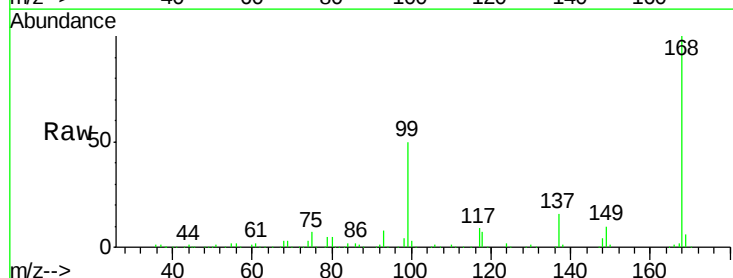
Instrument :
 MSVOA_X
 ClientSampleId :

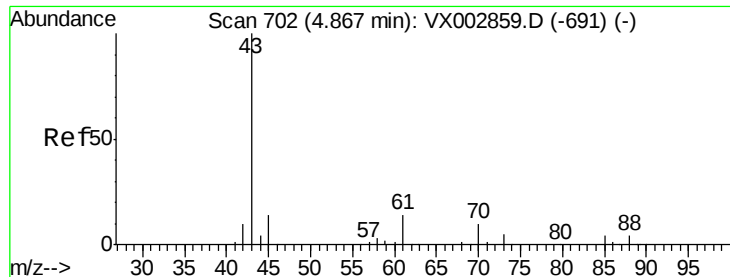
Tot Ion:113 Resp: 145618
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.4 122.0
 192 24.6 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.33 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003026.D
 Acq: 29 Jun 2018 14:05

Tgt Ion: 75 Resp: 18235
 Ion Ratio Lower Upper
 75 100
 110 10.6 18.1 54.4#
 77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 4.46 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.15 min

Lab File: VX003026.D

Acq: 29 Jun 2018 14:05

Instrument :

MSVOA_X

ClientSampleId :

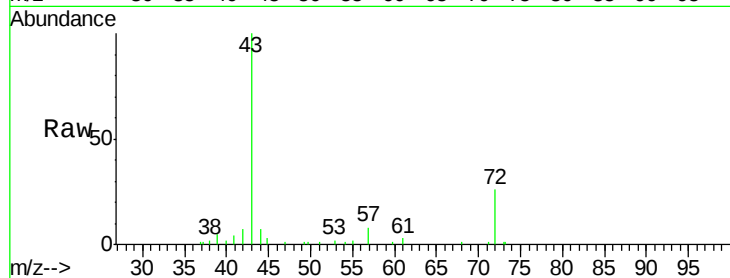
Tot Ion: 43 Resp: 20220

Ion Ratio Lower Upper

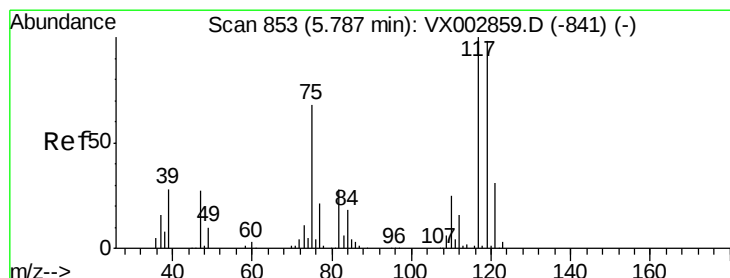
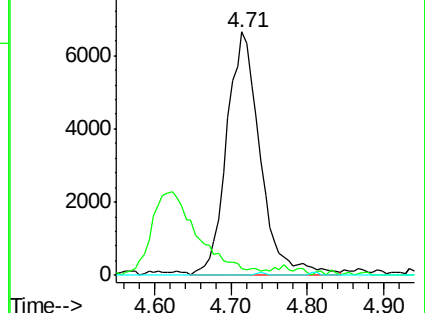
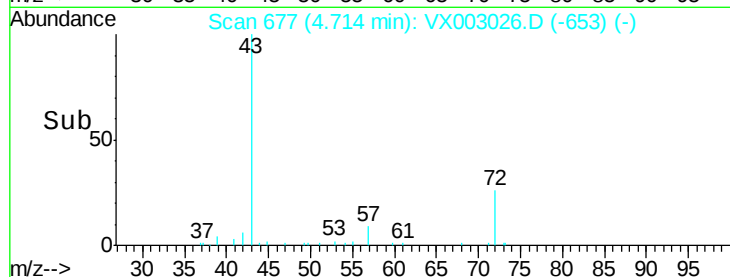
43 100

61 0.0 10.4 15.6#

70 0.0 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VX003026.D (-653) (-)



#38

Carbon Tetrachloride

Concen: 5.37 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003026.D

Acq: 29 Jun 2018 14:05

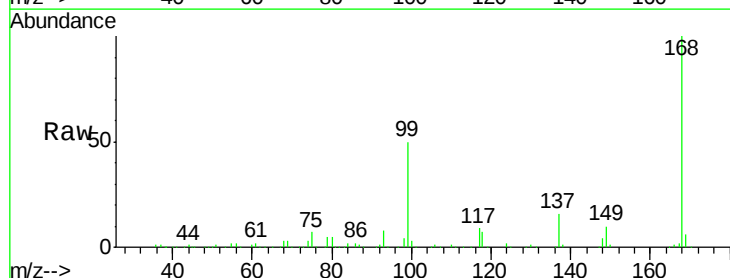
Tgt Ion: 117 Resp: 24776

Ion Ratio Lower Upper

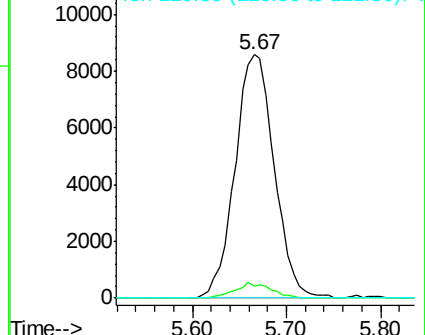
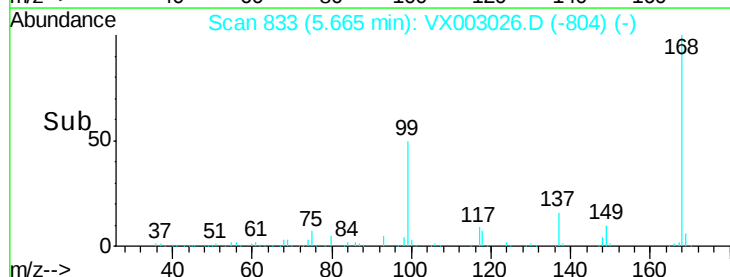
117 100

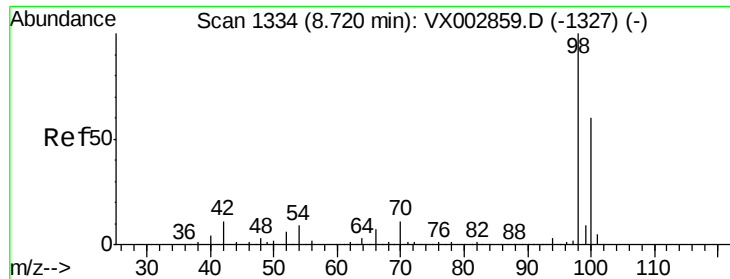
119 5.1 77.4 116.0#

121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): VX003026.D (-804) (-)





#50

Toluene-d8

Concen: 48.81 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003026.D

Acq: 29 Jun 2018 14:05

Instrument :

MSVOA_X

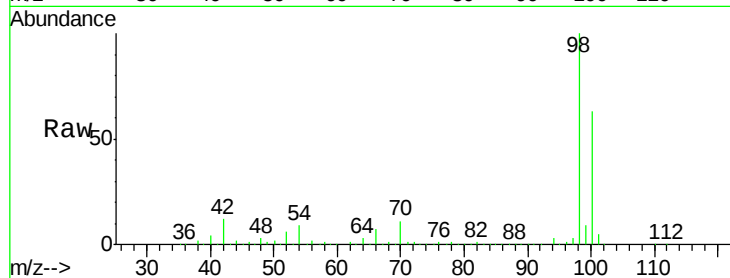
ClientSampled :

Tot Ion: 98 Resp: 541474

Ion Ratio Lower Upper

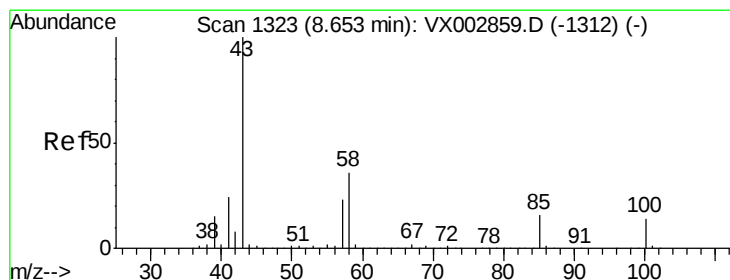
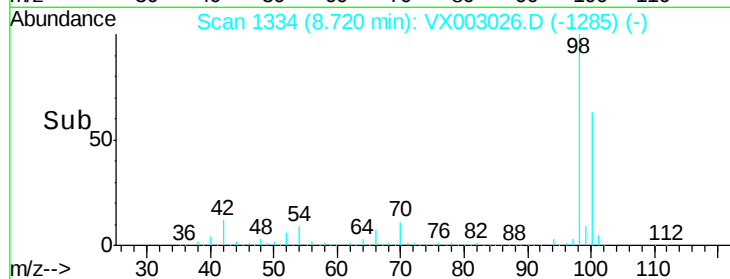
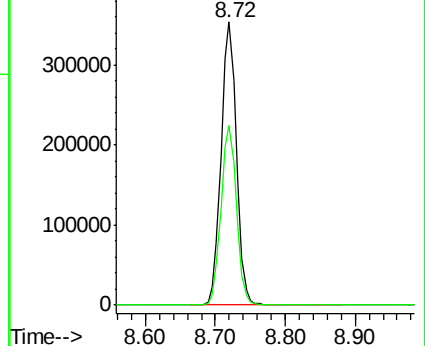
98 100

100 63.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.50 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX003026.D

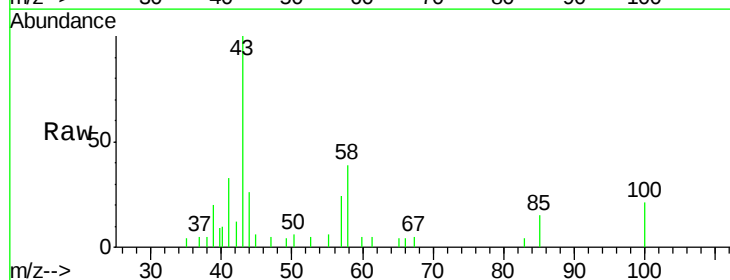
Acq: 29 Jun 2018 14:05

Tgt Ion: 43 Resp: 2370

Ion Ratio Lower Upper

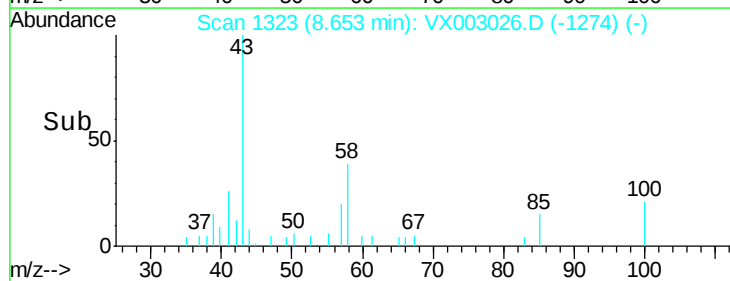
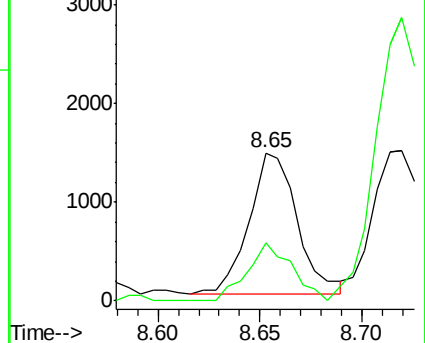
43 100

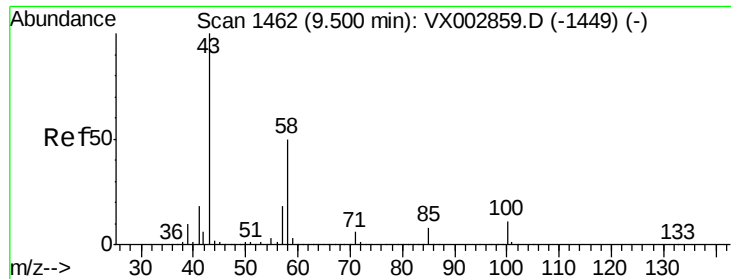
58 37.6 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

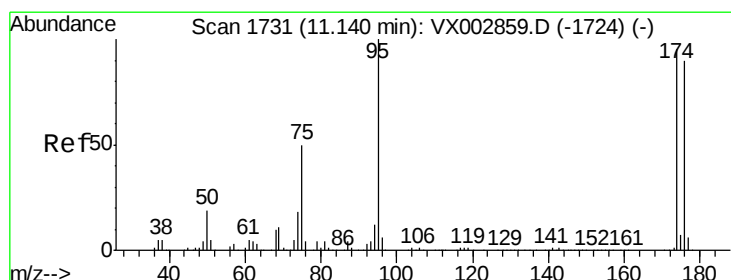
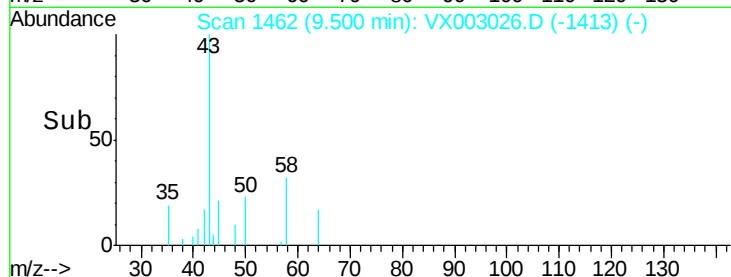
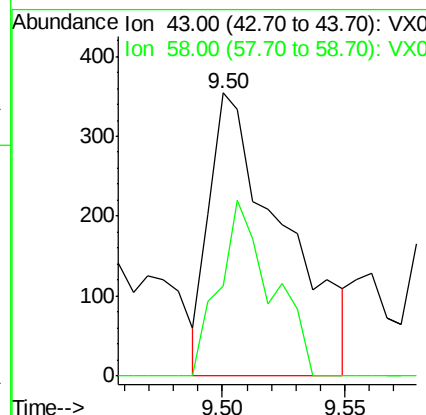
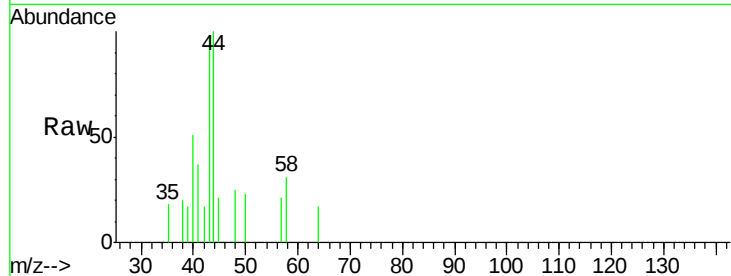




#59
2-Hexanone
Concen: 0.20 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003026.D
Acq: 29 Jun 2018 14:05

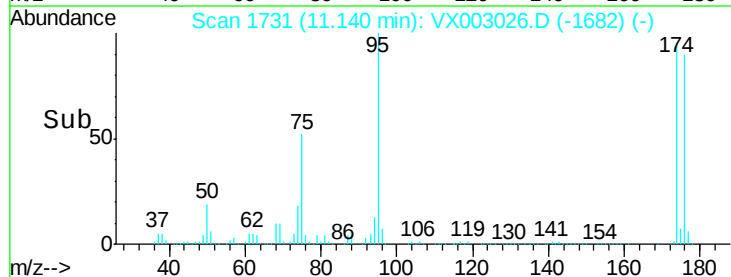
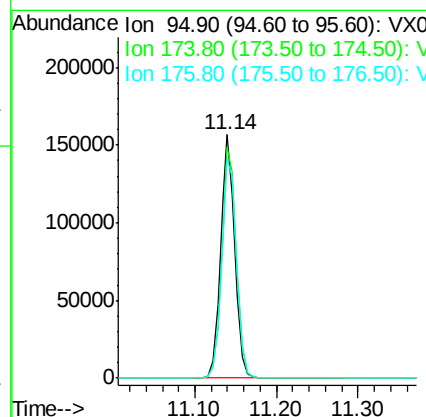
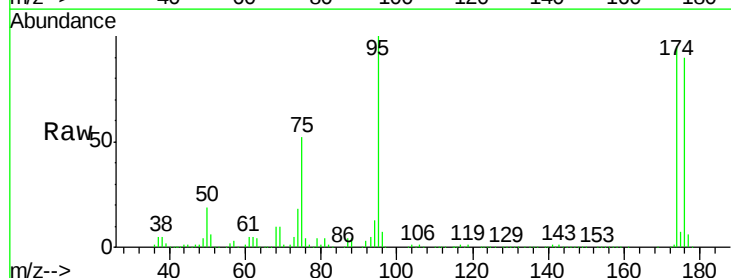
Instrument :
MSVOA_X
ClientSampleId :

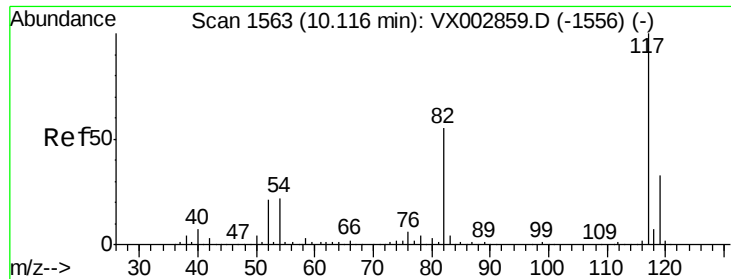
Tot Ion: 43 Resp: 740
Ion Ratio Lower Upper
43 100
58 43.8 24.6 73.6



#62
4-Bromofluorobenzene
Concen: 44.86 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003026.D
Acq: 29 Jun 2018 14:05

Tgt Ion: 95 Resp: 191946
Ion Ratio Lower Upper
95 100
174 97.7 0.0 187.4
176 93.9 0.0 181.0

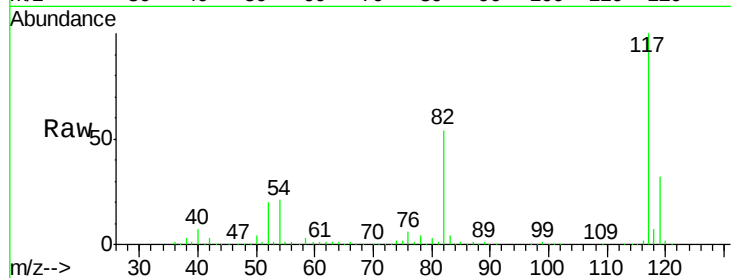




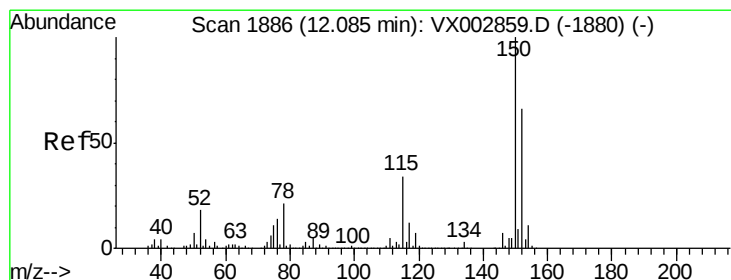
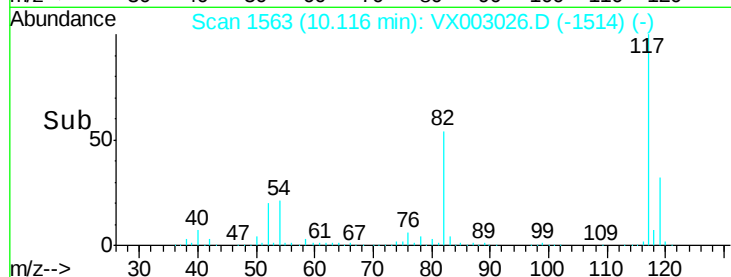
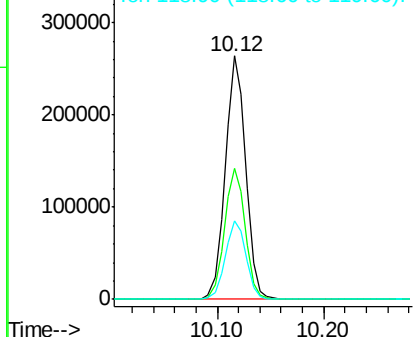
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003026.D
Acq: 29 Jun 2018 14:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 354134
Ion Ratio Lower Upper
117 100
82 53.6 45.0 67.4
119 32.1 25.8 38.6

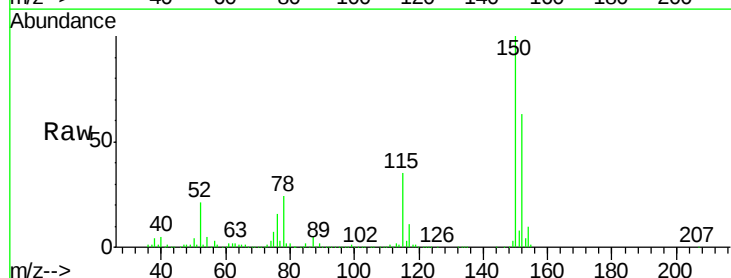


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

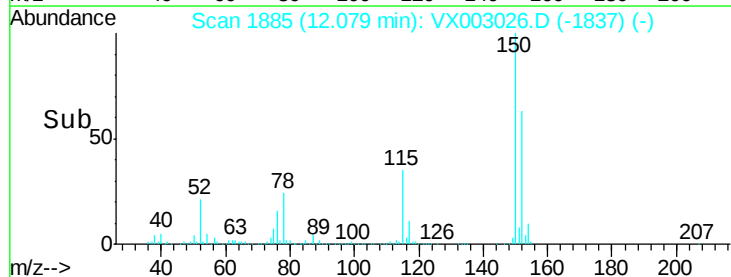
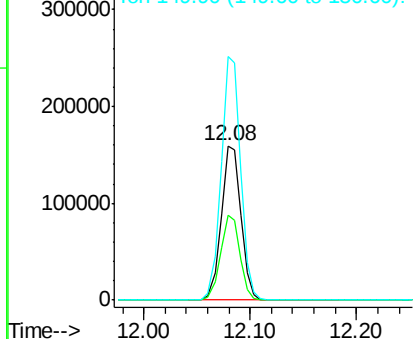


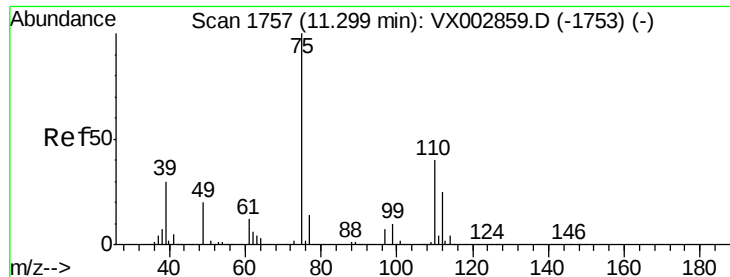
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003026.D
Acq: 29 Jun 2018 14:05

Tgt Ion:152 Resp: 205106
Ion Ratio Lower Upper
152 100
115 54.3 40.1 120.2
150 156.0 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.93 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003026.D

Acq: 29 Jun 2018 14:05

Instrument :

MSVOA_X

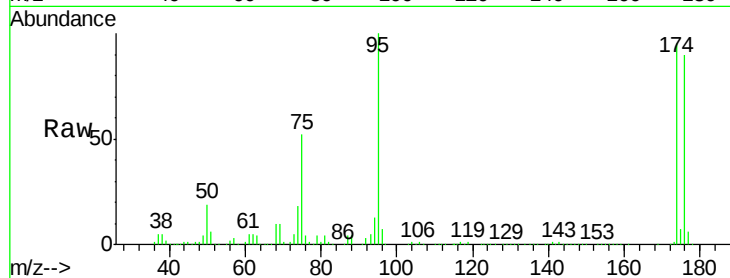
ClientSampled :

Tot Ion: 75 Resp: 100047

Ion Ratio Lower Upper

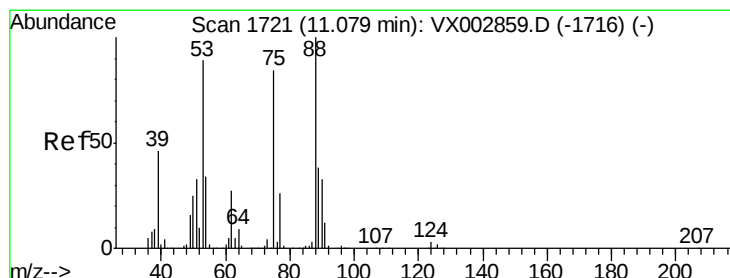
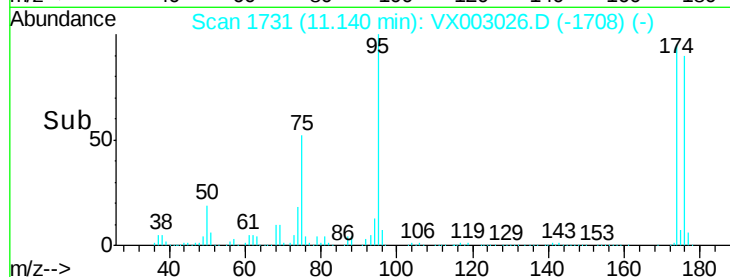
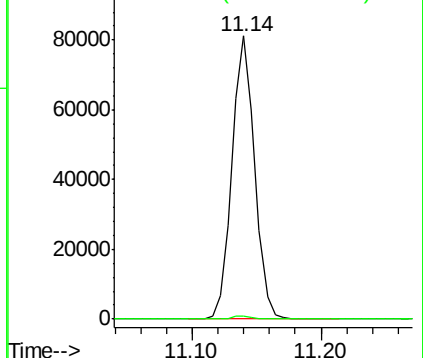
75 100

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: 76.24 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003026.D

Acq: 29 Jun 2018 14:05

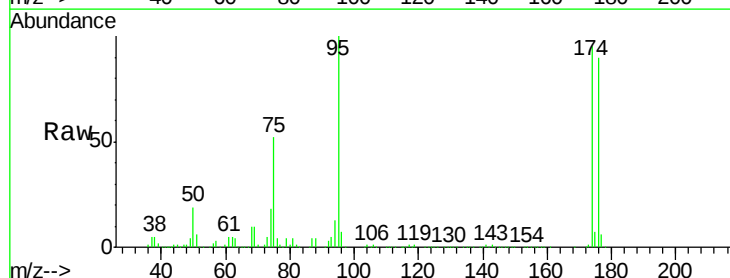
Tgt Ion: 75 Resp: 100047

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

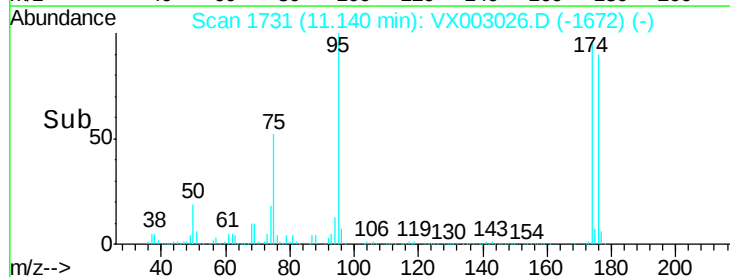
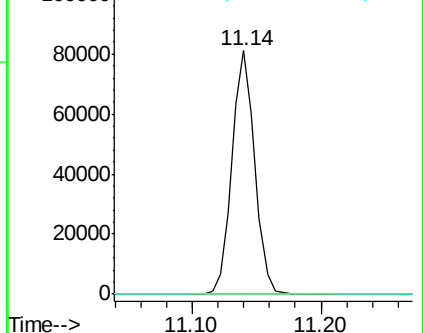
89 0.0 38.2 57.2#

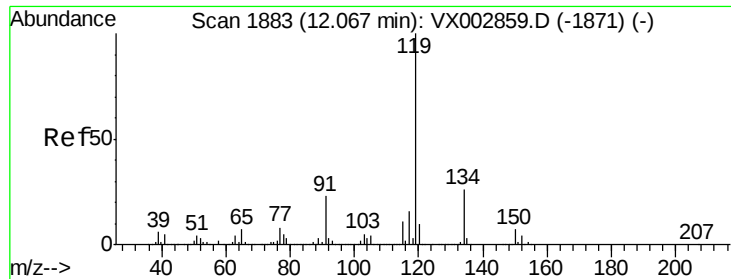


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#86
 p-Isopropyltoluene
 Concen: 0.27 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VX003026.D
 Acq: 29 Jun 2018 14:05

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	31.8	13.4	40.1
91	48.7	11.9	35.7

