

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072318\
 Data File : VX003637.D
 Acq On : 24 Jul 2018 07:09
 Operator : JC/SP
 Sample : J4073-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 24 09:12:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	260306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	375676	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	359261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	201819	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	148273	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
35) Dibromofluoromethane	5.51	113	140002	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
50) Toluene-d8	8.72	98	526278	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
62) 4-Bromofluorobenzene	11.14	95	181755	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	

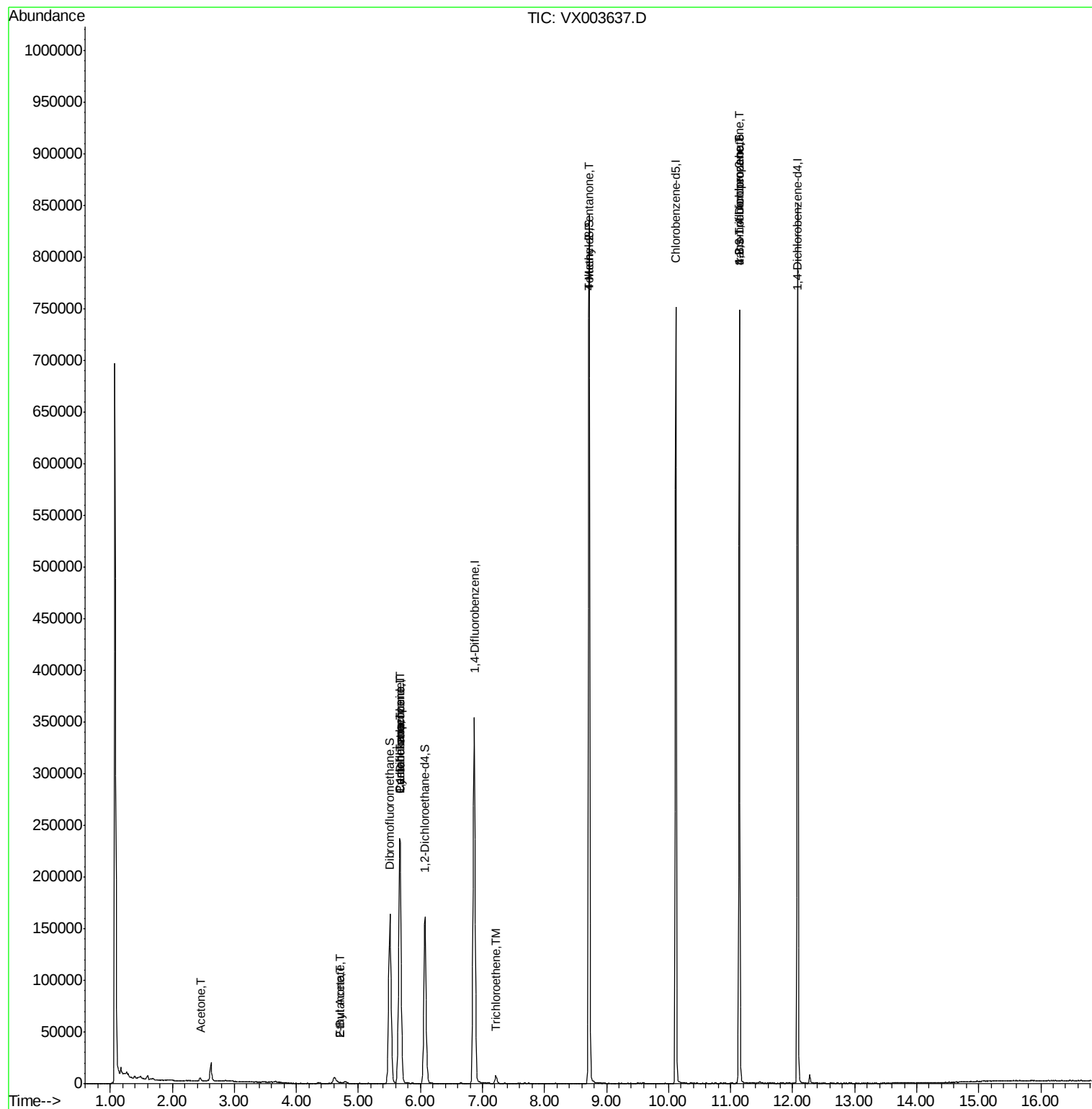
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	354	Below Cal		94
5) Bromomethane	1.66	94	688	Below Cal	#	63
16) Acetone	2.45	43	3784	3.25	ug/l	93
20) Methylene Chloride	2.84	84	120	Below Cal	#	35
25) 2-Butanone	4.71	43	1101	0.56	ug/l	# 84
31) Cyclohexane	5.67	56	3855	0.83	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	14773	3.64	ug/l	# 50
37) Ethyl Acetate	4.71	43	1101	0.29	ug/l	# 70
38) Carbon Tetrachloride	5.67	117	21494	5.40	ug/l	# 17
44) Trichloroethene	7.22	130	3456	0.95	ug/l	# 94
51) 4-Methyl-2-Pentanone	8.72	43	1977	0.51	ug/l	# 1
76) 1,2,3-Trichloropropane	11.14	75	81294	22.42	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	81294	63.03	ug/l	# 7

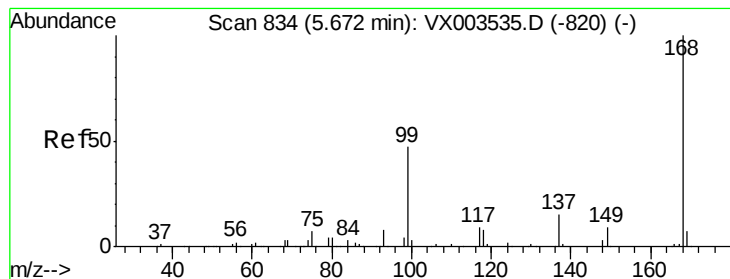
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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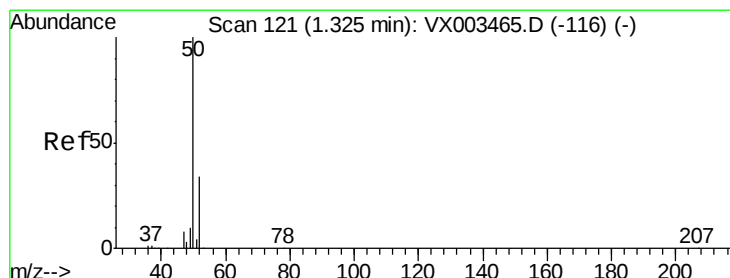
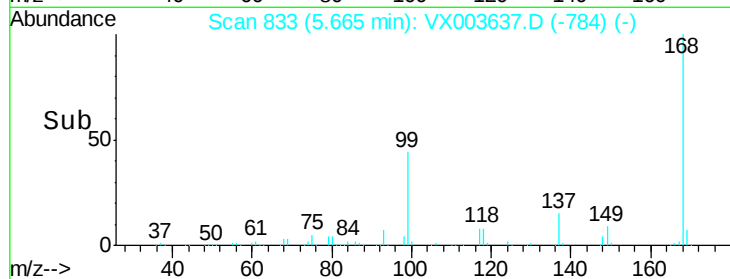
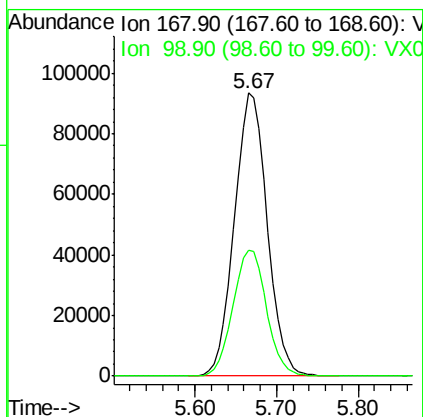
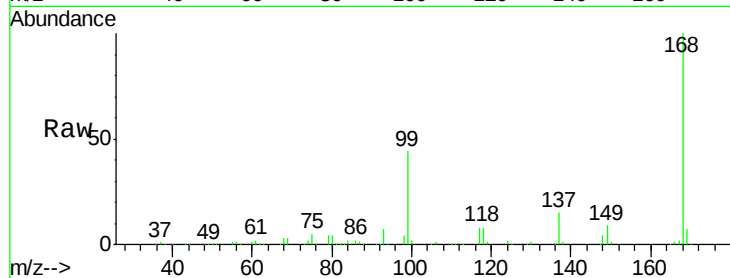




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX003637.D
Acq: 24 Jul 2018 07:09

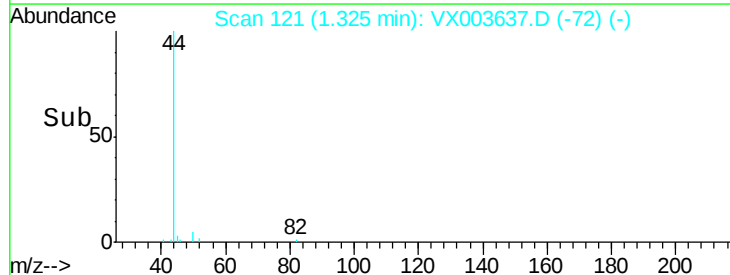
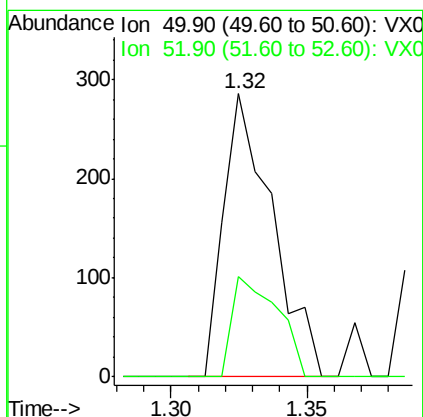
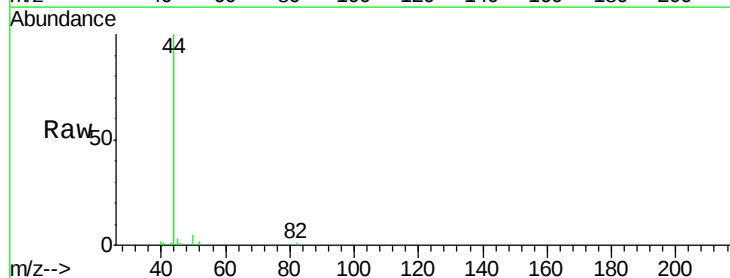
Instrument :
MSVOA_X
ClientSampled :

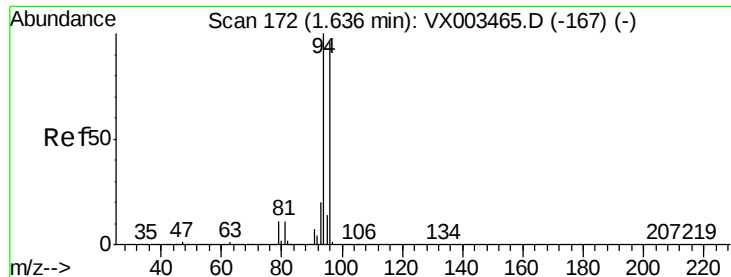
Tot Ion:168 Resp: 260306
Ion Ratio Lower Upper
168 100
99 44.5 39.3 58.9



#3
Chloromethane
Concen: Below Cal
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX003637.D
Acq: 24 Jul 2018 07:09

Tgt Ion: 50 Resp: 354
Ion Ratio Lower Upper
50 100
52 35.3 25.7 38.5





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX003637.D

Acq: 24 Jul 2018 07:09

Instrument :

MSVOA_X

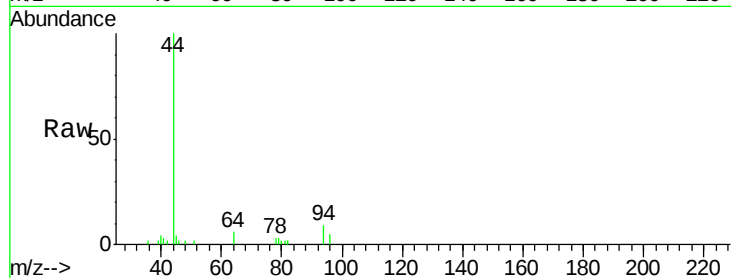
ClientSampleId :

Tot Ion: 94 Resp: 688

Ion Ratio Lower Upper

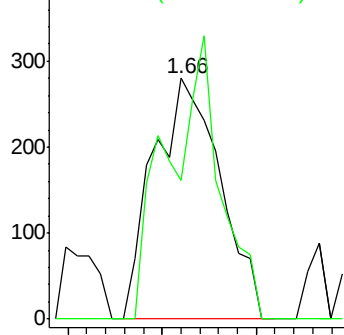
94 100

96 57.9 74.9 112.3#

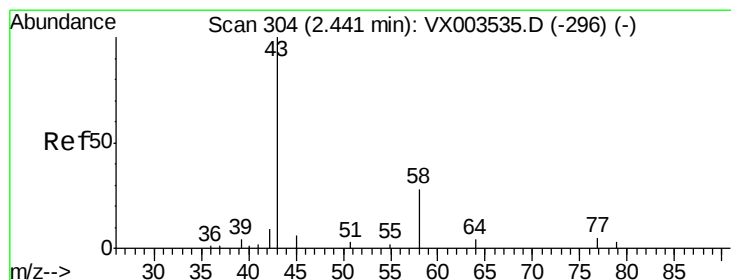
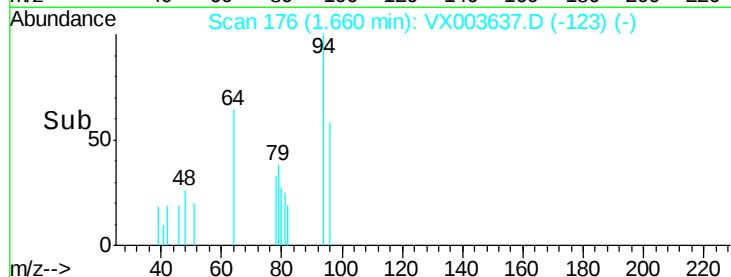


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#16

Acetone

Concen: 3.25 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003637.D

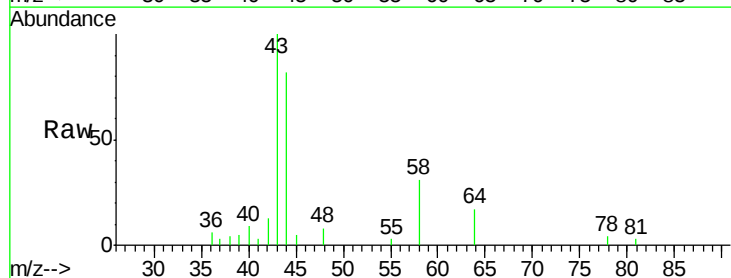
Acq: 24 Jul 2018 07:09

Tgt Ion: 43 Resp: 3784

Ion Ratio Lower Upper

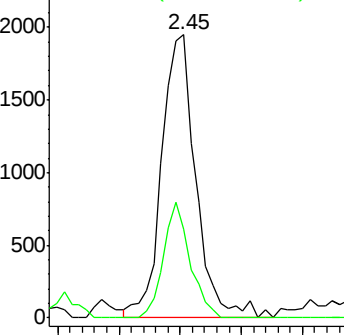
43 100

58 31.3 22.1 33.1

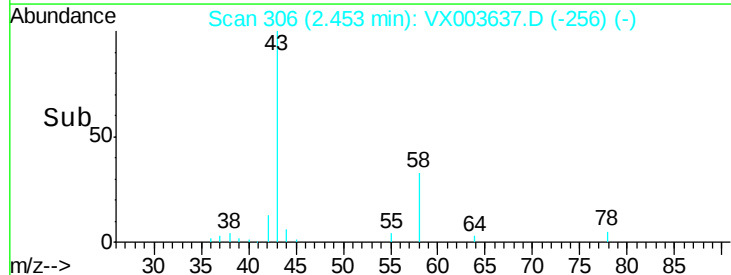


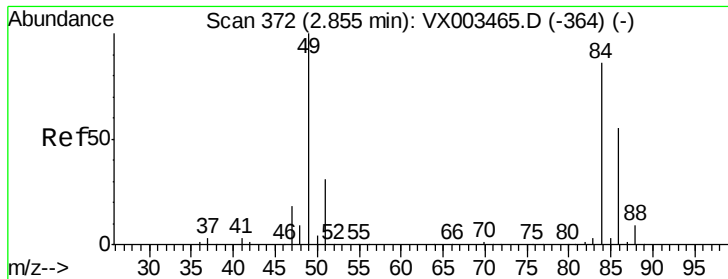
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

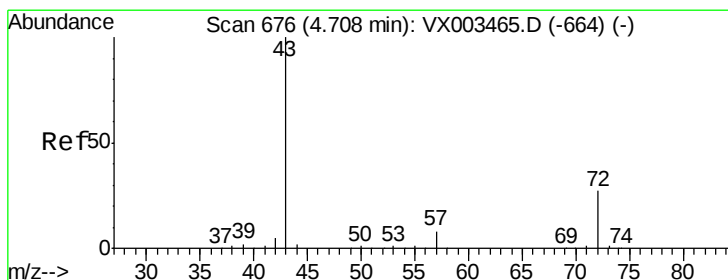
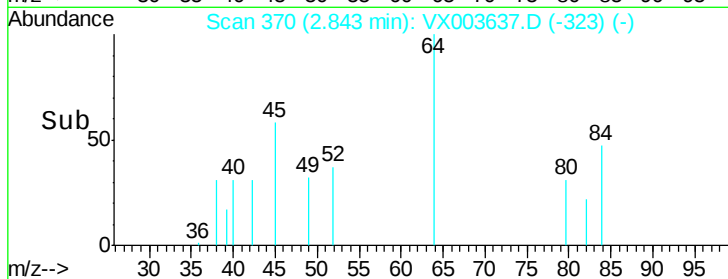
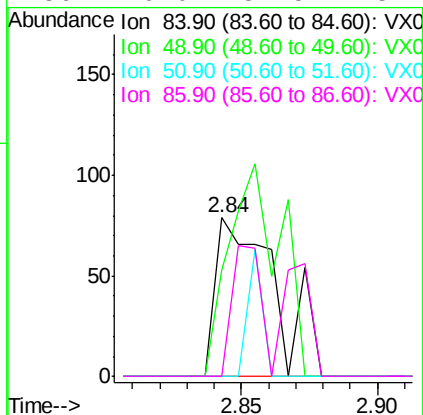
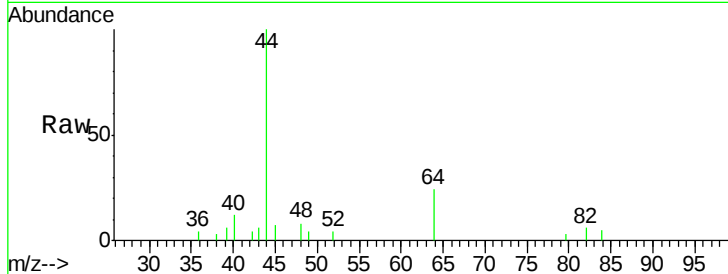




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 370
Delta R.T. -0.01 min
Lab File: VX003637.D
Acq: 24 Jul 2018 07:09

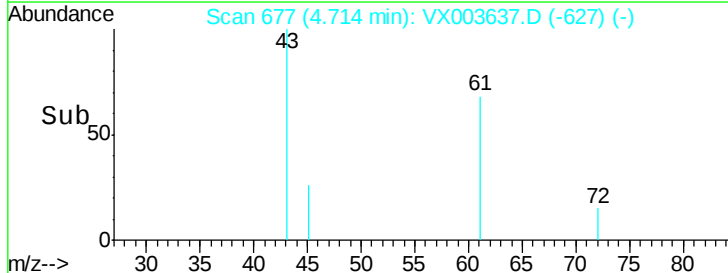
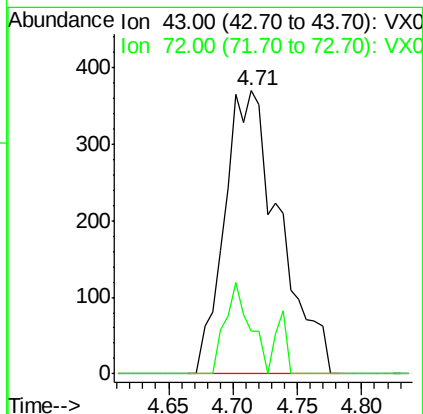
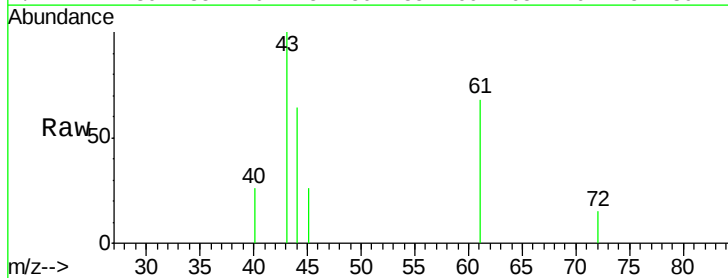
Instrument :
MSVOA_X
ClientSampleId :

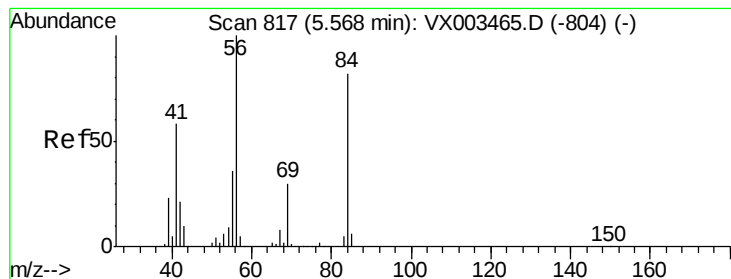
Tot Ion: 84 Resp: 120
Ion Ratio Lower Upper
84 100
49 67.1 107.8 161.6#
51 0.0 32.8 49.2#
86 0.0 52.5 78.7#



#25
2-Butanone
Concen: 0.56 ug/l
RT: 4.71 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX003637.D
Acq: 24 Jul 2018 07:09

Tgt Ion: 43 Resp: 1101
Ion Ratio Lower Upper
43 100
72 15.2 18.5 27.7#





#31

Cyclohexane

Concen: 0.83 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.10 min

Lab File: VX003637.D

Acq: 24 Jul 2018 07:09

Instrument :
MSVOA_X
ClientSampled :

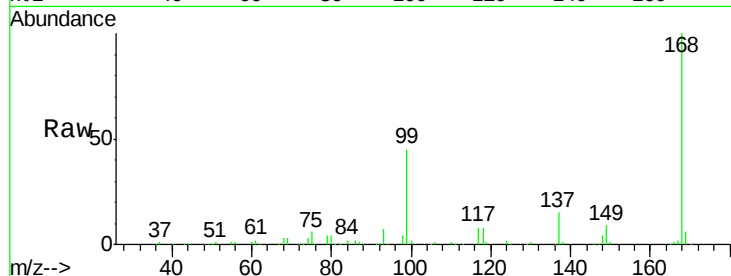
Tot Ion: 56 Resp: 3855

Ion Ratio Lower Upper

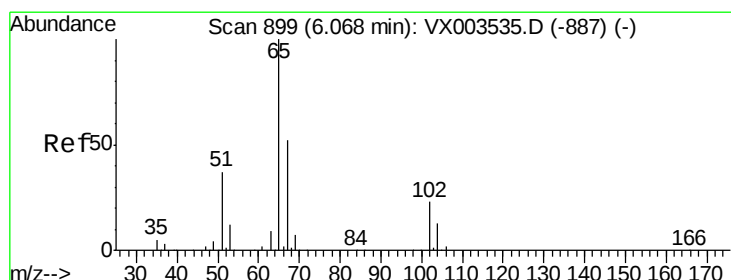
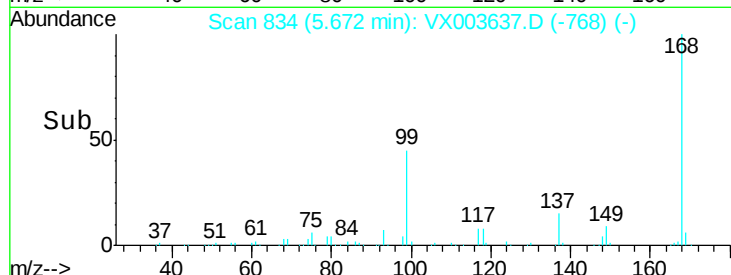
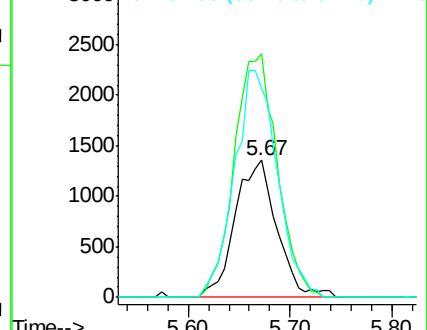
56 100

69 177.9 23.7 35.5#

84 152.7 64.1 96.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.12 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003637.D

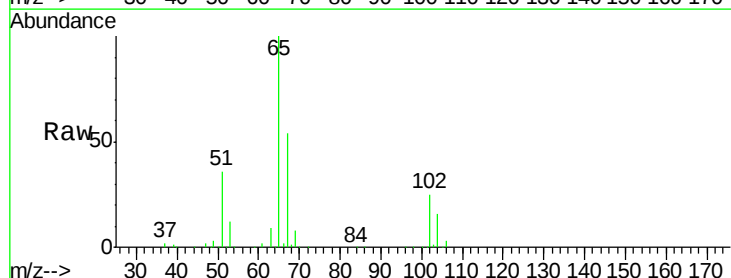
Acq: 24 Jul 2018 07:09

Tgt Ion: 65 Resp: 148273

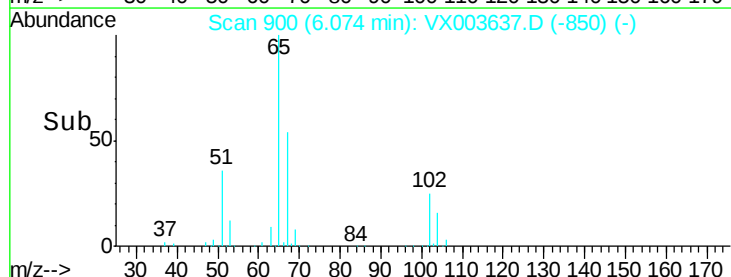
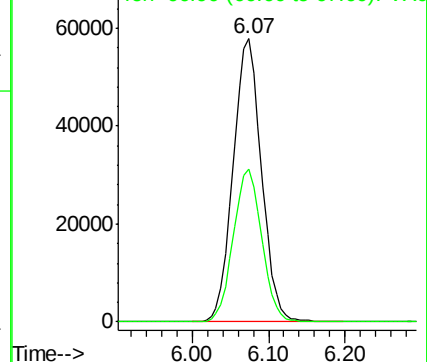
Ion Ratio Lower Upper

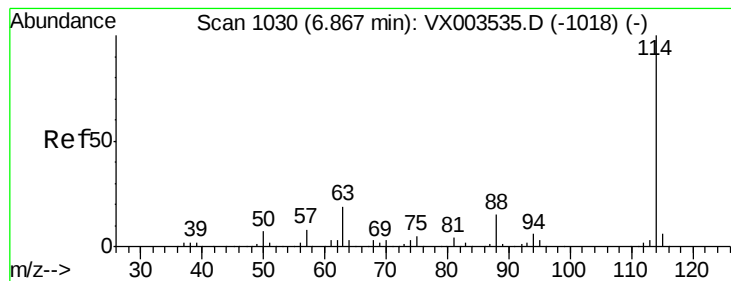
65 100

67 54.3 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003637.D

Acq: 24 Jul 2018 07:09

Instrument :

MSVOA_X

ClientSampleId :

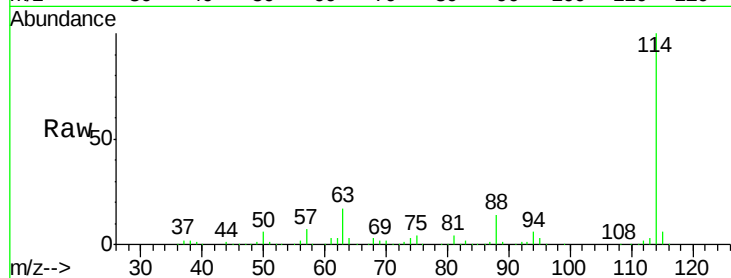
Tot Ion:114 Resp: 375676

Ion Ratio Lower Upper

114 100

63 17.2 0.0 41.4

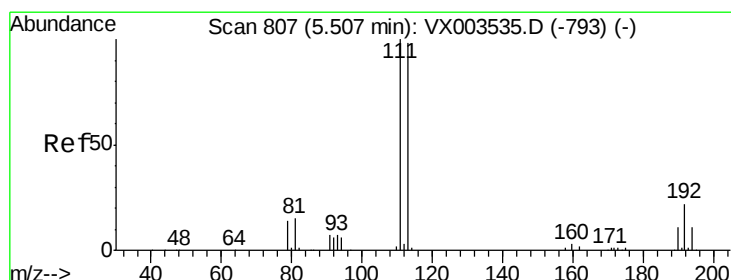
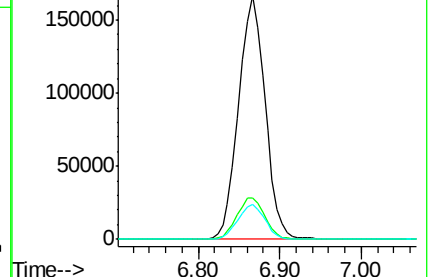
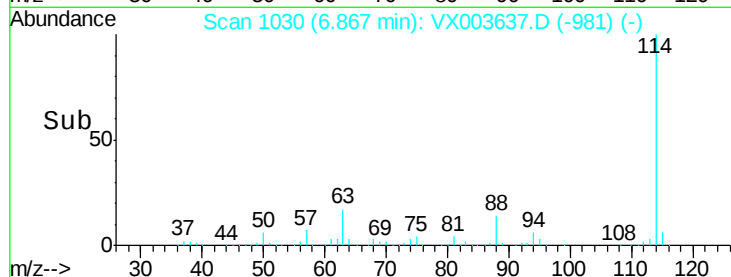
88 14.3 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.93 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003637.D

Acq: 24 Jul 2018 07:09

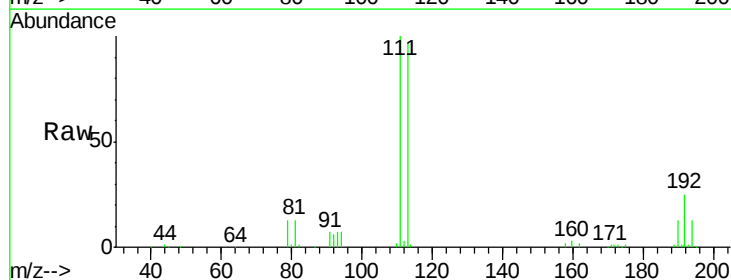
Tgt Ion:113 Resp: 140002

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

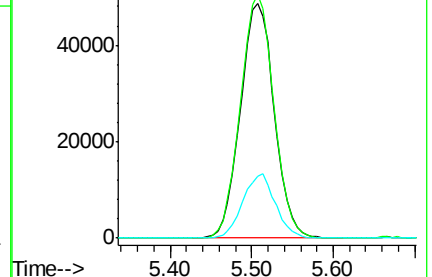
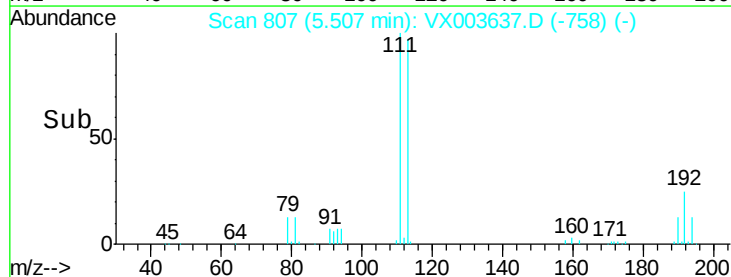
192 26.3 19.1 28.7

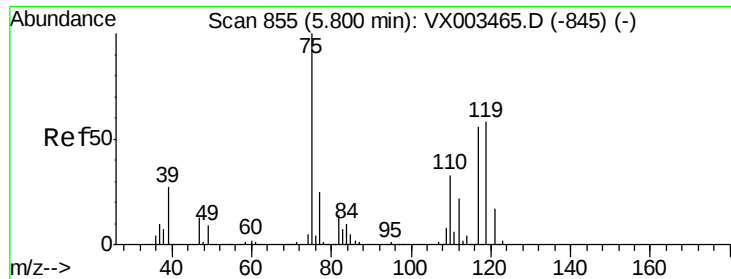


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.64 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX003637.D

Acq: 24 Jul 2018 07:09

Instrument :

MSVOA_X

ClientSampleId :

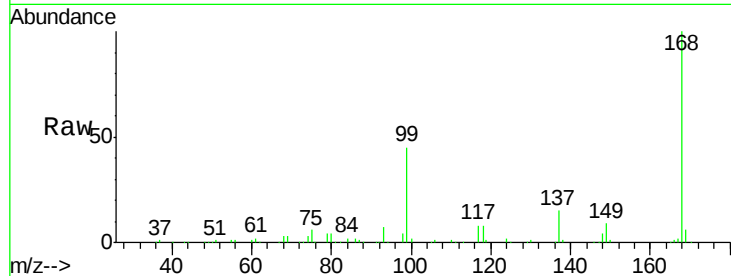
Tot Ion: 75 Resp: 14773

Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.4#

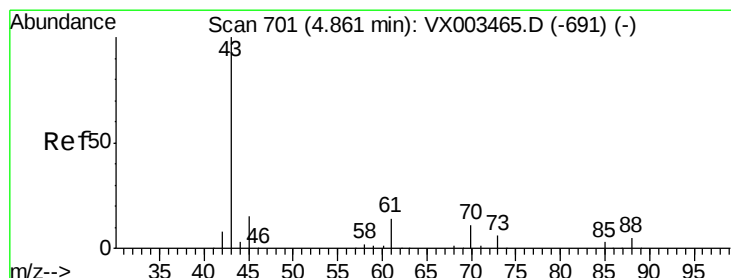
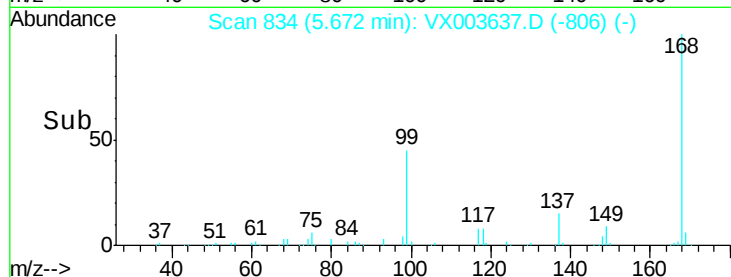
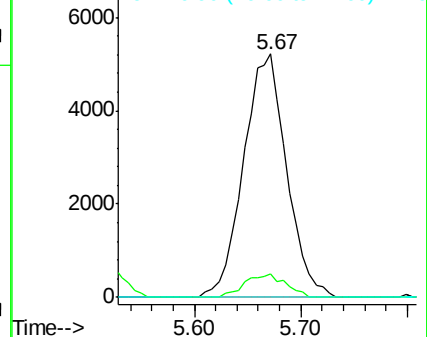
77 0.0 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 0.29 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.15 min

Lab File: VX003637.D

Acq: 24 Jul 2018 07:09

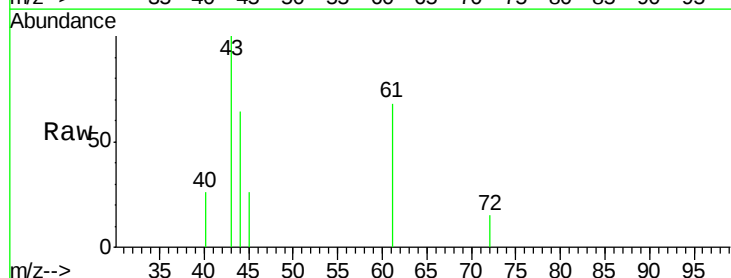
Tgt Ion: 43 Resp: 1101

Ion Ratio Lower Upper

43 100

61 0.0 10.4 15.6#

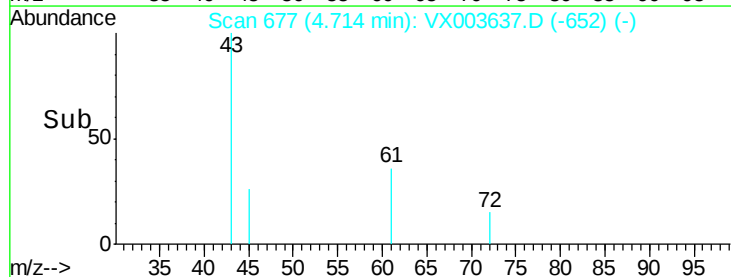
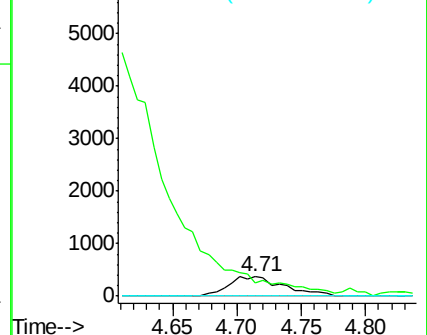
70 0.0 7.6 11.4#

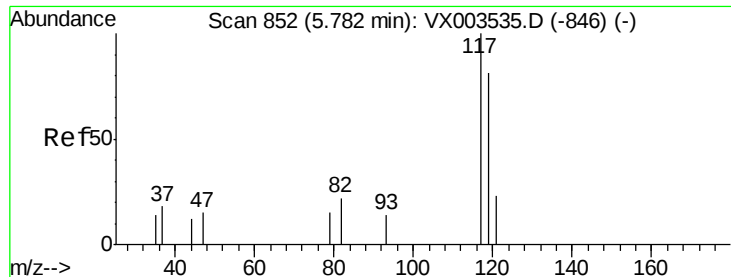


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 5.40 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003637.D

Acq: 24 Jul 2018 07:09

Instrument :

MSVOA_X

ClientSampled :

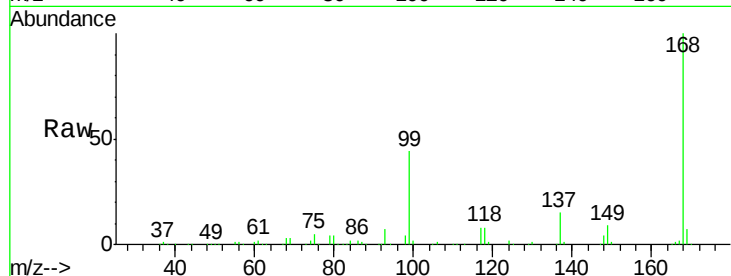
Tot Ion:117 Resp: 21494

Ion Ratio Lower Upper

117 100

119 6.9 77.4 116.0#

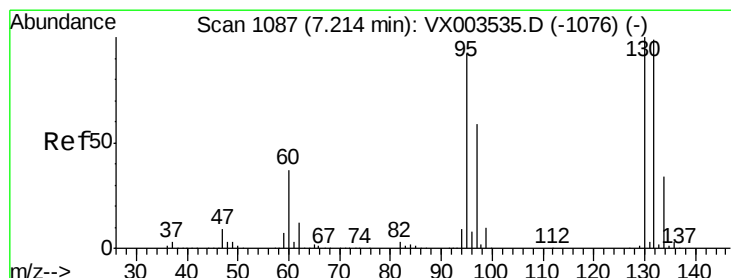
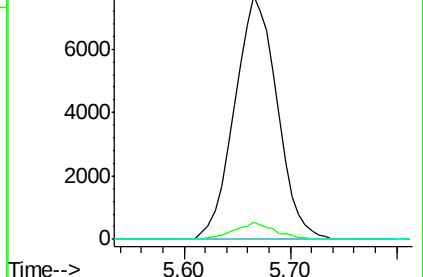
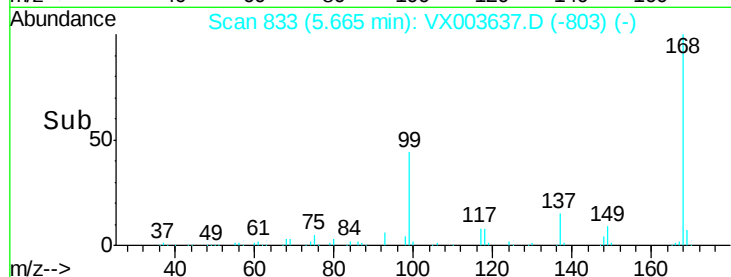
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.95 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX003637.D

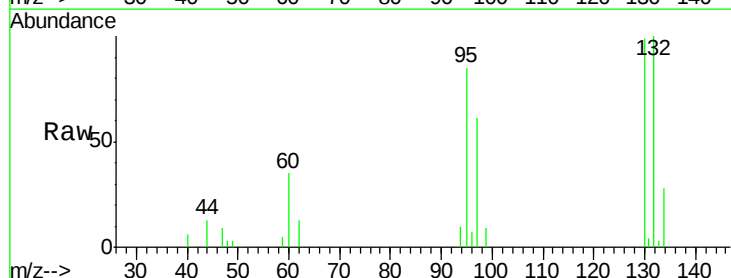
Acq: 24 Jul 2018 07:09

Tgt Ion:130 Resp: 3456

Ion Ratio Lower Upper

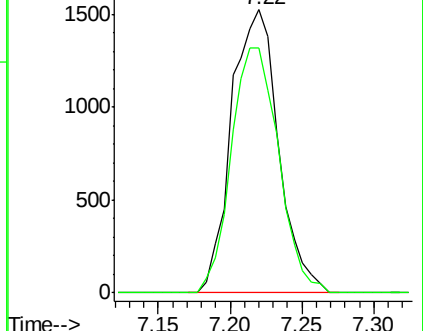
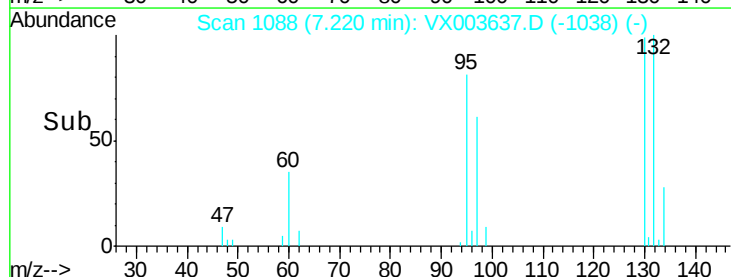
130 100

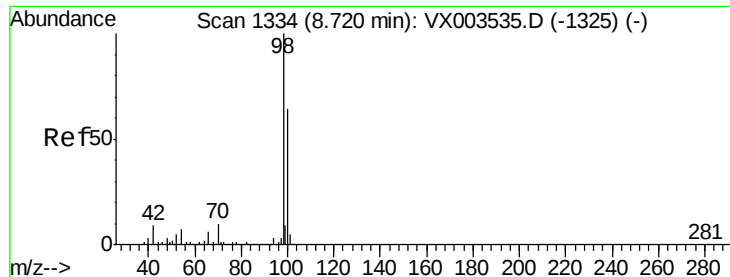
95 86.6 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

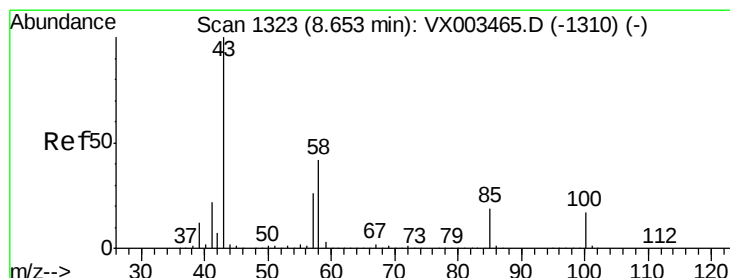
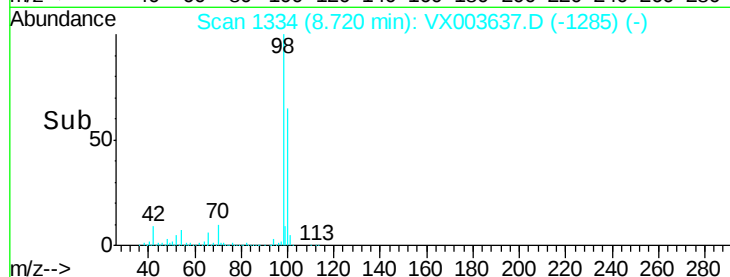
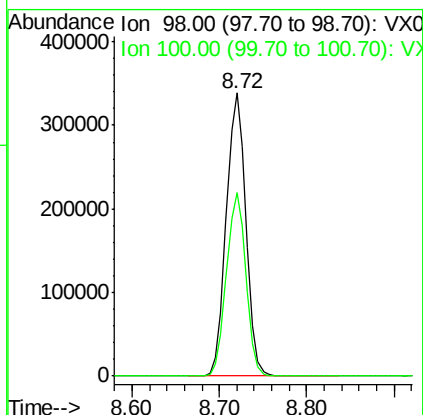
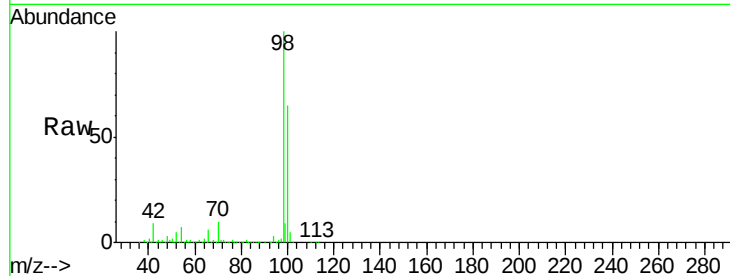




#50
Toluene-d8
Concen: 48.93 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003637.D
Acq: 24 Jul 2018 07:09

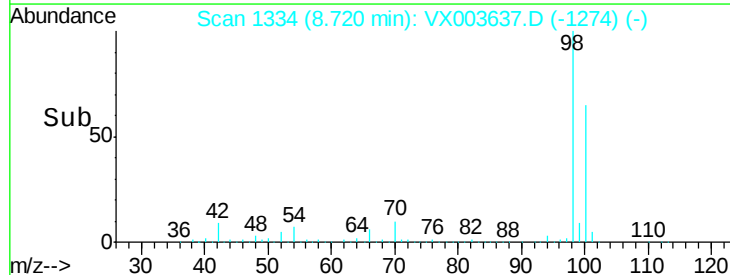
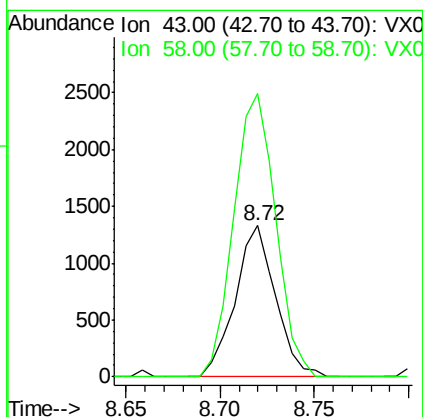
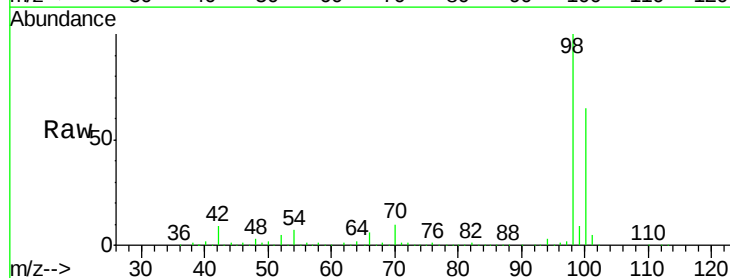
Instrument :
MSVOA_X
ClientSampleId :

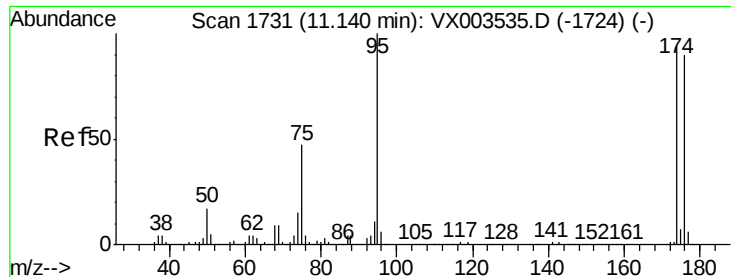
Tot Ion: 98 Resp: 526278
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.51 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.07 min
Lab File: VX003637.D
Acq: 24 Jul 2018 07:09

Tgt Ion: 43 Resp: 1977
Ion Ratio Lower Upper
43 100
58 193.6 28.6 42.8#

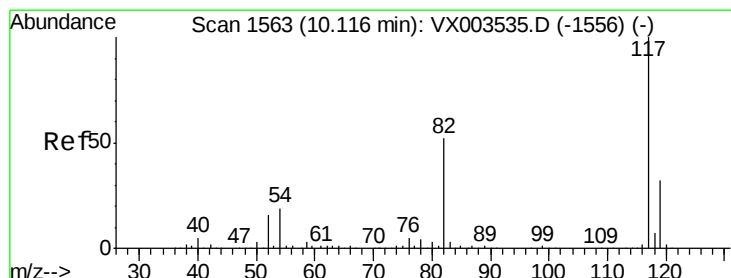
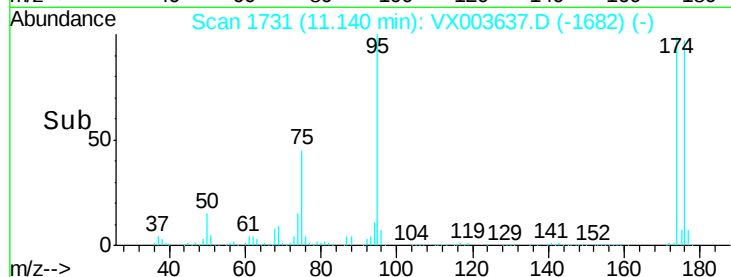
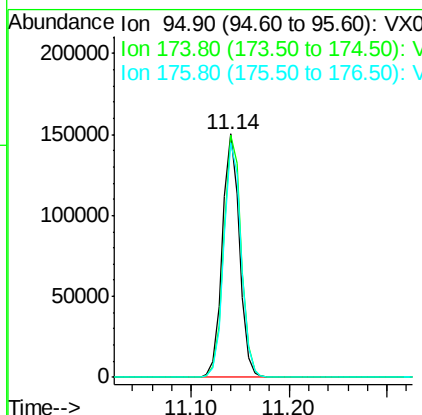
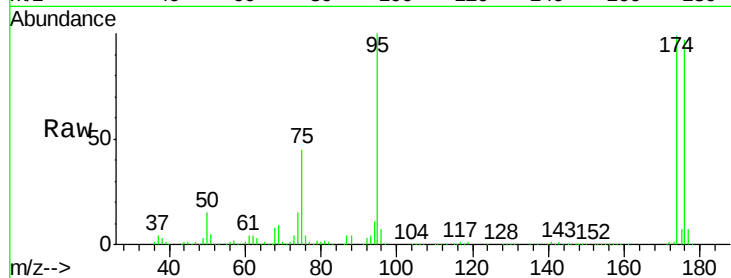




#62
4-Bromofluorobenzene
Concen: 46.31 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003637.D
Acq: 24 Jul 2018 07:09

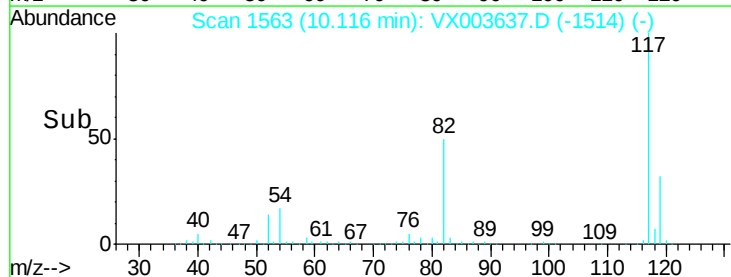
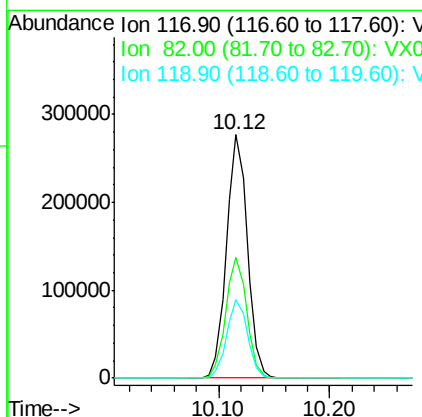
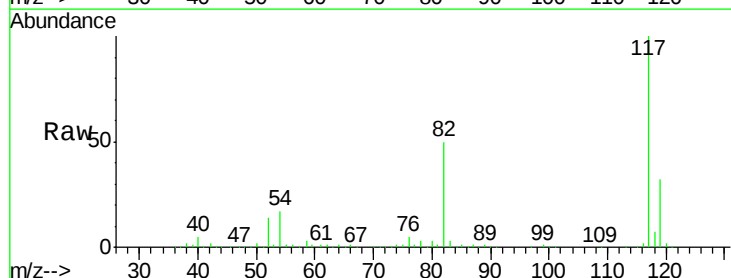
Instrument :
MSVOA_X
ClientSampleId :

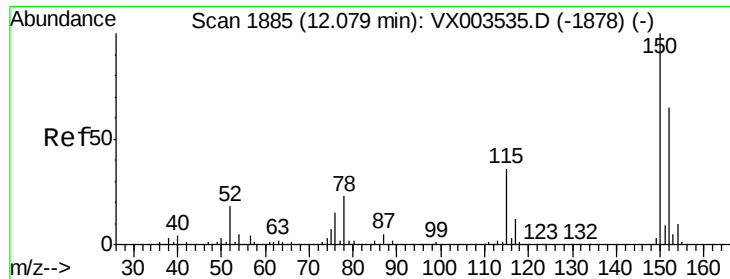
Tot Ion: 95 Resp: 181755
Ion Ratio Lower Upper
95 100
174 101.6 0.0 187.4
176 97.7 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003637.D
Acq: 24 Jul 2018 07:09

Tgt Ion: 117 Resp: 359261
Ion Ratio Lower Upper
117 100
82 49.7 45.0 67.4
119 32.1 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003637.D

Acq: 24 Jul 2018 07:09

Instrument :

MSVOA_X

ClientSampleId :

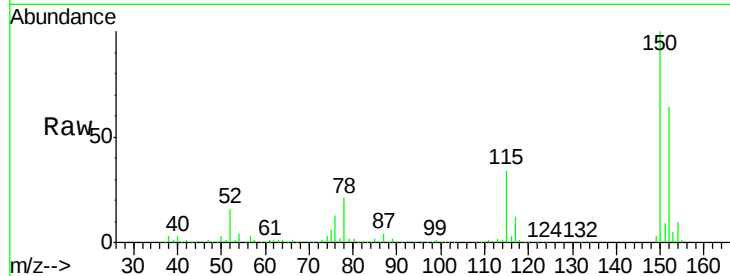
Tot Ion:152 Resp: 201819

Ion Ratio Lower Upper

152 100

115 51.8 40.1 120.2

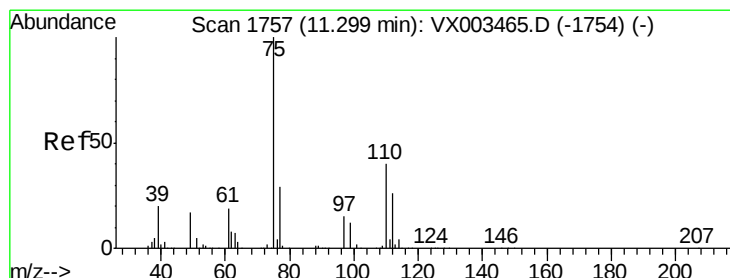
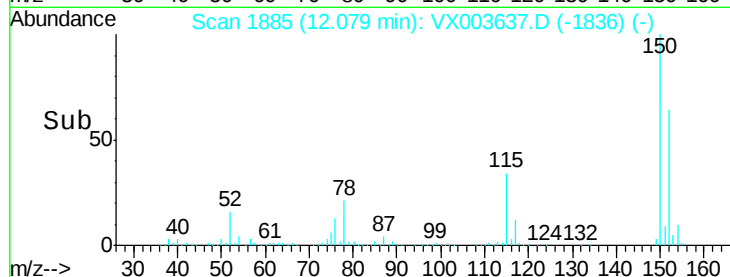
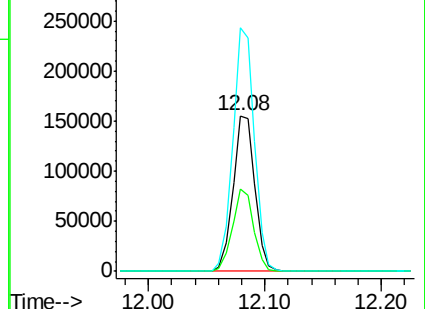
150 155.0 0.0 347.2



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: 22.42 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003637.D

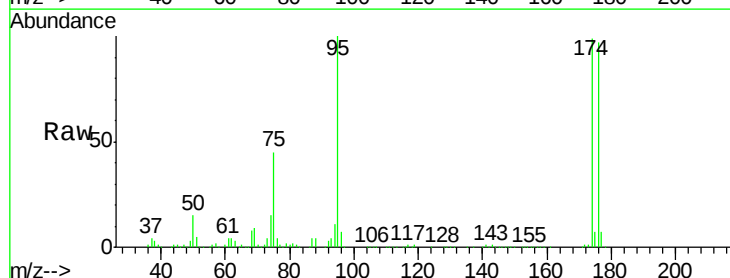
Acq: 24 Jul 2018 07:09

Tgt Ion: 75 Resp: 81294

Ion Ratio Lower Upper

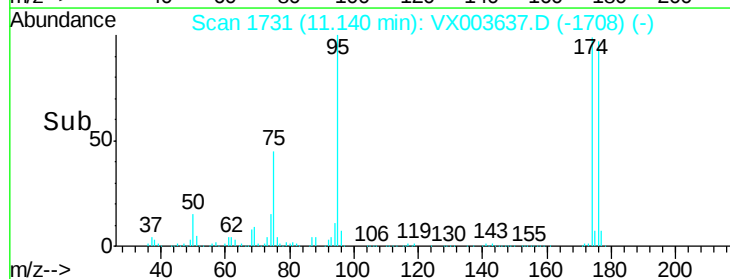
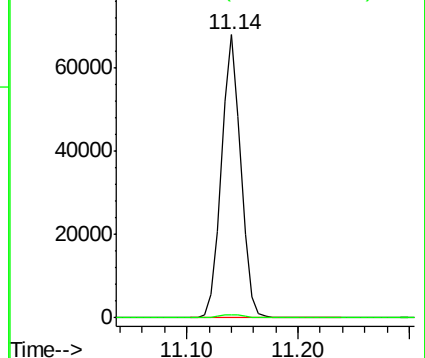
75 100

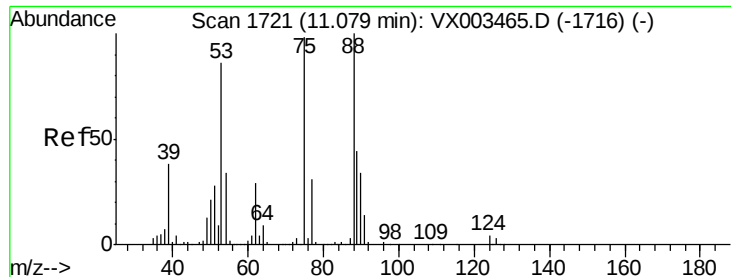
77 1.4 22.8 68.3#



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: 63.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003637.D

Acq: 24 Jul 2018 07:09

Instrument :

MSVOA_X

ClientSampleId :

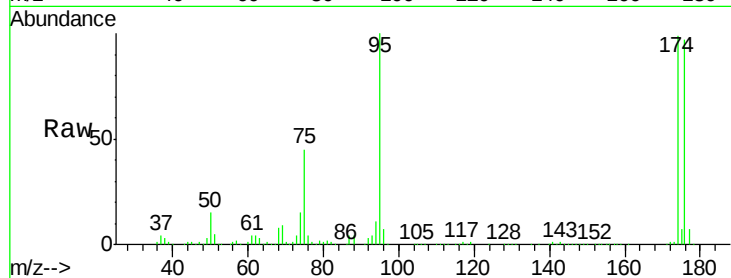
Tot Ion: 75 Resp: 81294

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

