

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072618\
 Data File : VX003677.D
 Acq On : 26 Jul 2018 18:24
 Operator : JC/SP
 Sample : J4100-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LCTB04-180719

Quant Time: Jul 27 05:36:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	88168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	136489	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	129213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	66744	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	73600	56.35	ug/l	0.00
Spiked Amount			Recovery	=	112.70%	
35) Dibromofluoromethane	5.51	113	61063	54.73	ug/l	0.00
Spiked Amount			Recovery	=	109.46%	
50) Toluene-d8	8.72	98	223950	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
62) 4-Bromofluorobenzene	11.14	95	75380	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	

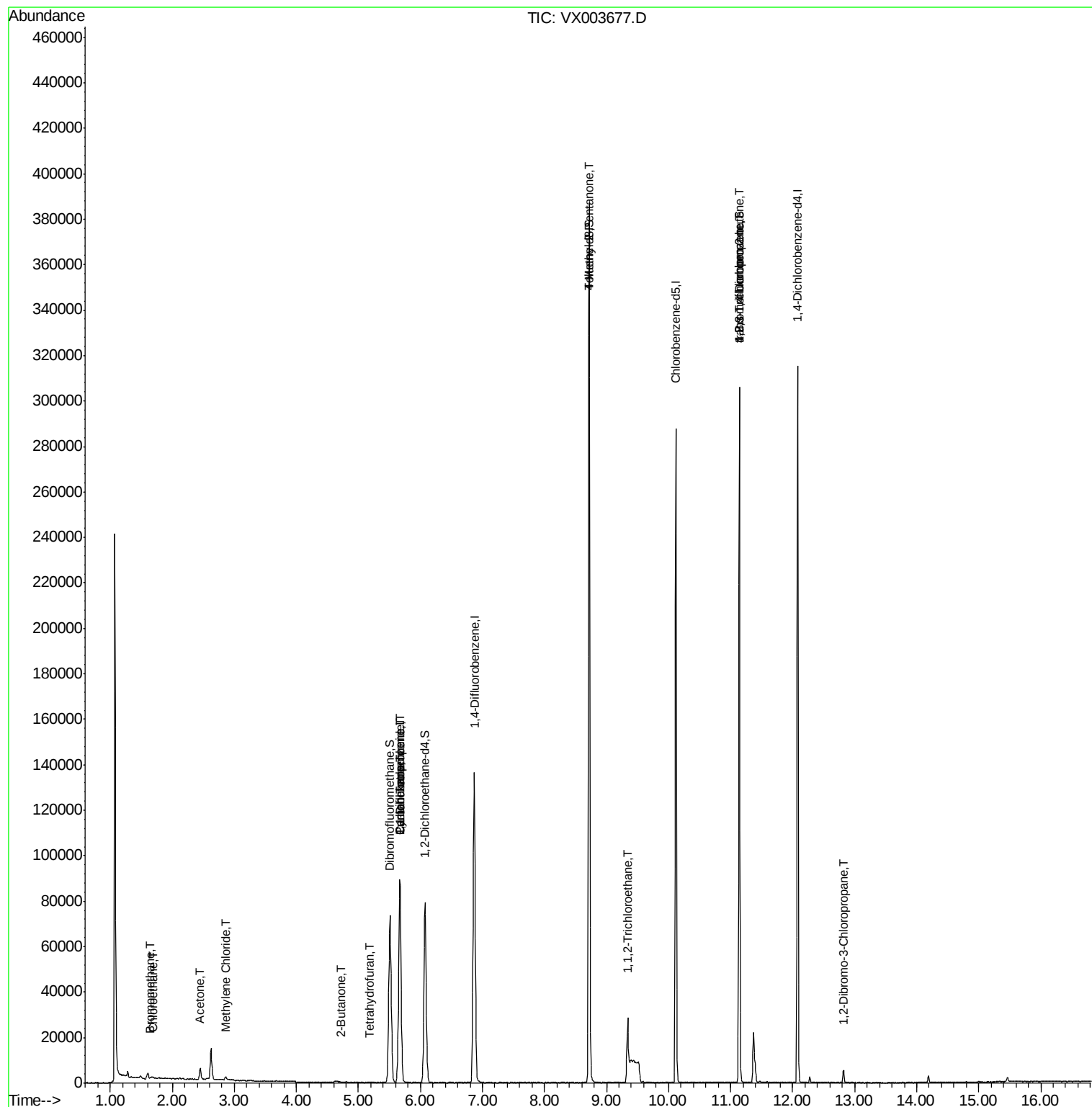
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	151	0.23	ug/l	89
6) Chloroethane	1.68	64	926	2.79	ug/l #	42
16) Acetone	2.45	43	5563	9.07	ug/l	96
20) Methylene Chloride	2.86	84	558	0.46	ug/l	91
25) 2-Butanone	4.72	43	218	0.23	ug/l #	50
29) Tetrahydrofuran	5.18	42	153	0.25	ug/l #	35
31) Cyclohexane	5.66	56	1673	0.95	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	6255	3.92	ug/l #	48
38) Carbon Tetrachloride	5.67	117	8057	5.24	ug/l #	14
51) 4-Methyl-2-Pentanone	8.72	43	956	0.51	ug/l #	1
55) 1,1,2-Trichloroethane	9.34	97	250	0.21	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	37487	26.78	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	37487	82.96	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.82	75	112	0.32	ug/l #	1

(#) = 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: VX003677.D

Acq: 26 Jul 2018 18:24

Instrument :

MSVOA_X

ClientSampleId :

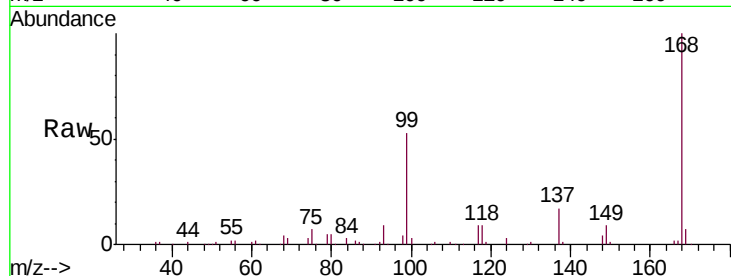
LCTB04-180719

Tot Ion:168 Resp: 88168

Ion Ratio Lower Upper

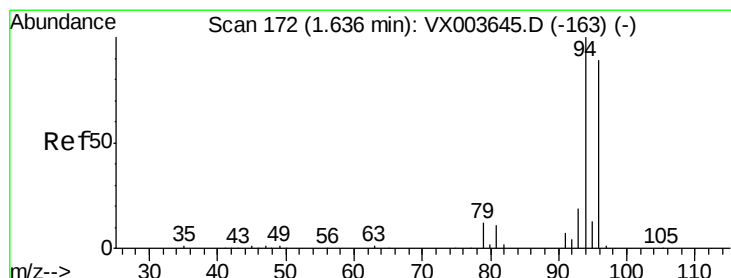
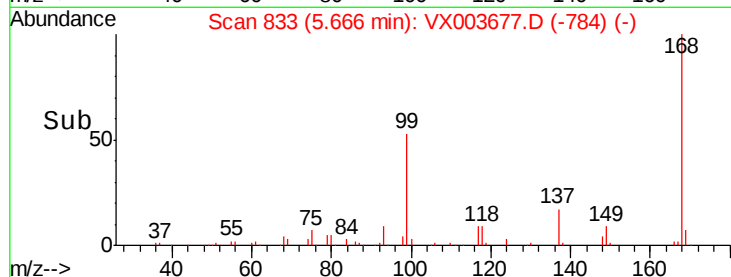
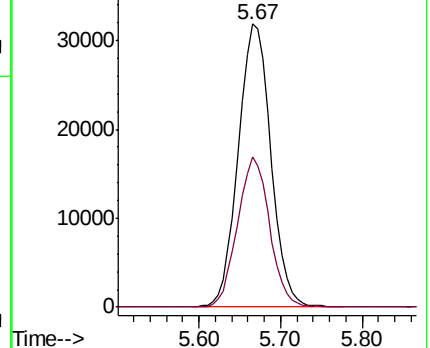
168 100

99 53.0 49.5 74.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.23 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003677.D

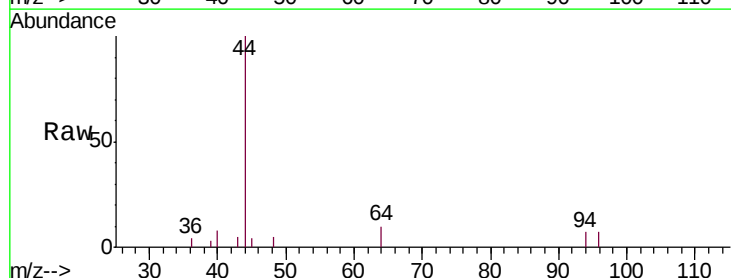
Acq: 26 Jul 2018 18:24

Tgt Ion: 94 Resp: 151

Ion Ratio Lower Upper

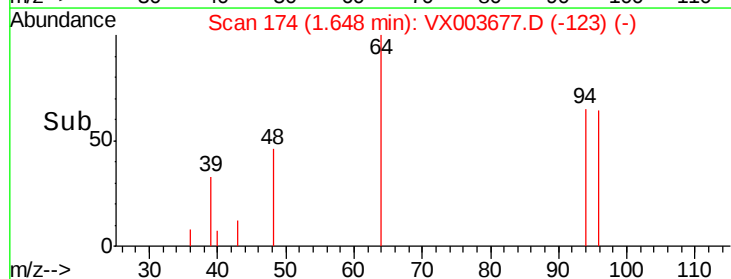
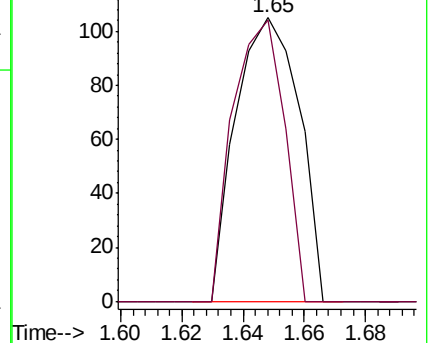
94 100

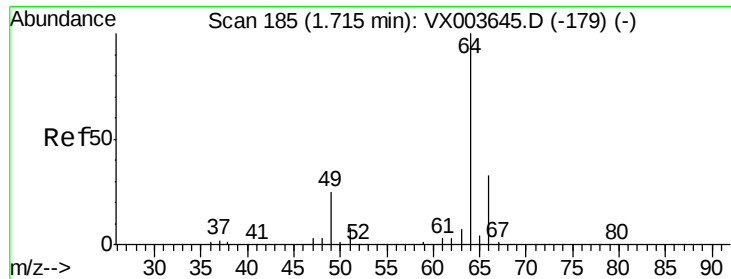
96 99.0 71.3 106.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

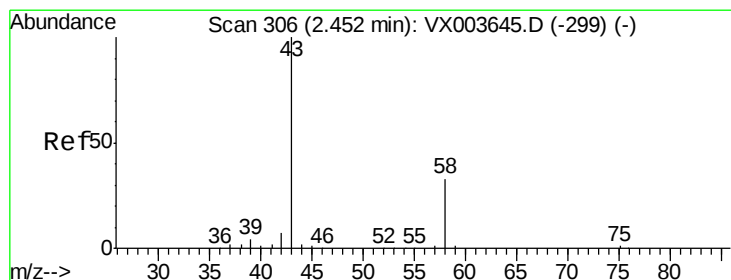
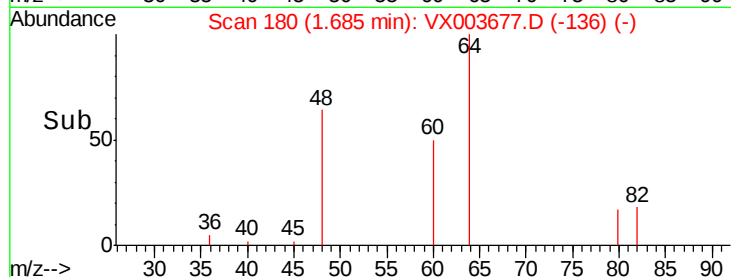
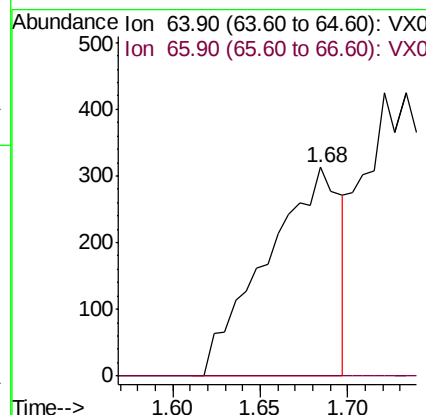
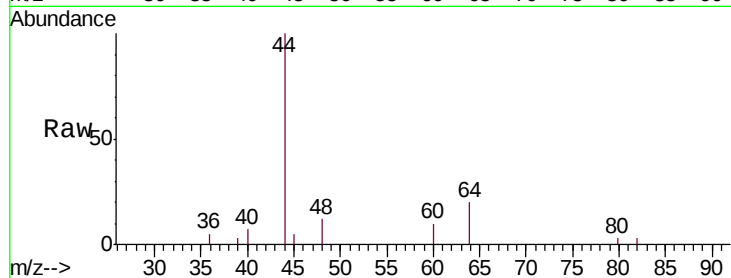




#6
 Chloroethane
 Concen: 2.79 ug/l
 RT: 1.68 min Scan# 180
 Delta R.T. -0.03 min
 Lab File: VX003677.D
 Acq: 26 Jul 2018 18:24

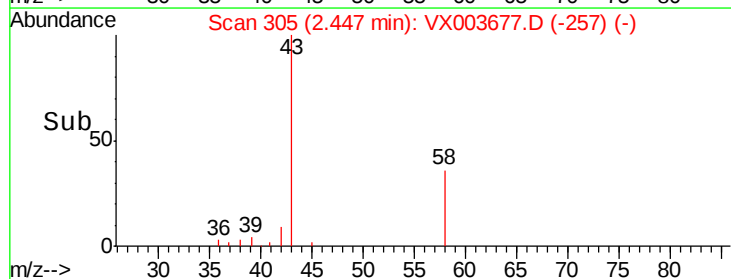
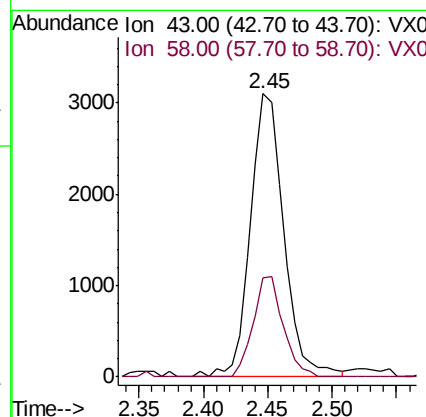
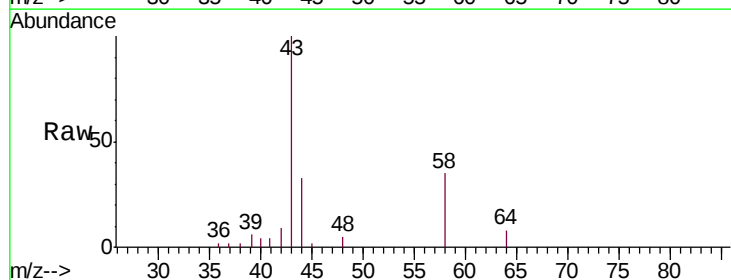
Instrument :
 MSVOA_X
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 LCTB04-180719

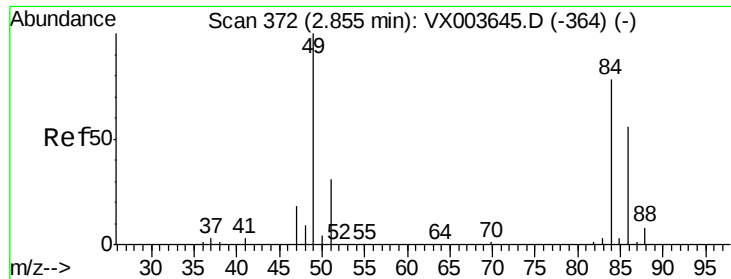
Tot Ion: 64 Resp: 926
 Ion Ratio Lower Upper
 64 100
 66 0.0 26.3 39.5#



#16
 Acetone
 Concen: 9.07 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VX003677.D
 Acq: 26 Jul 2018 18:24

Tgt Ion: 43 Resp: 5563
 Ion Ratio Lower Upper
 43 100
 58 34.8 26.1 39.1

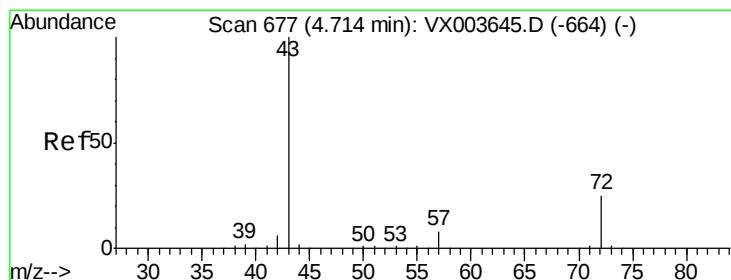
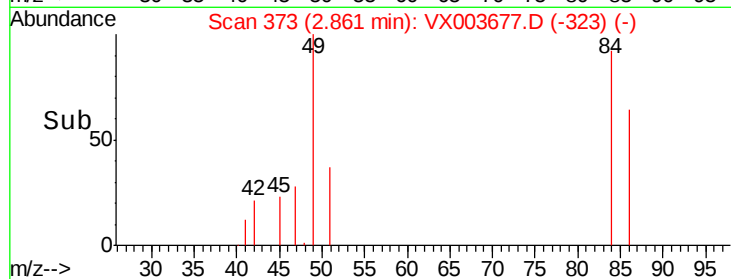
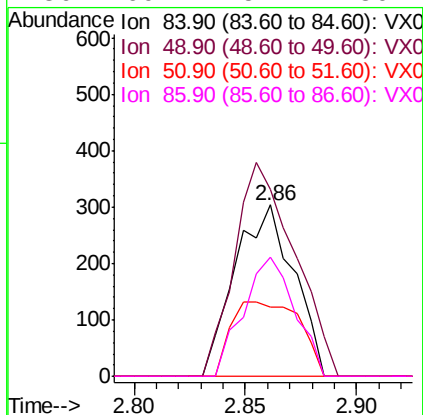
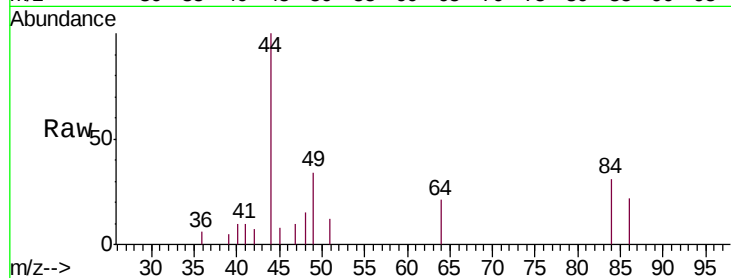




#20
Methvlene Chloride
Concen: 0.46 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003677.D
Acq: 26 Jul 2018 18:24

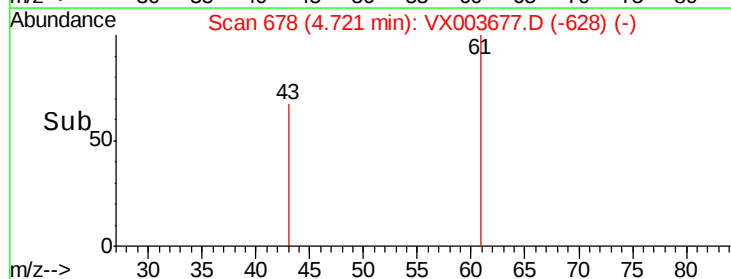
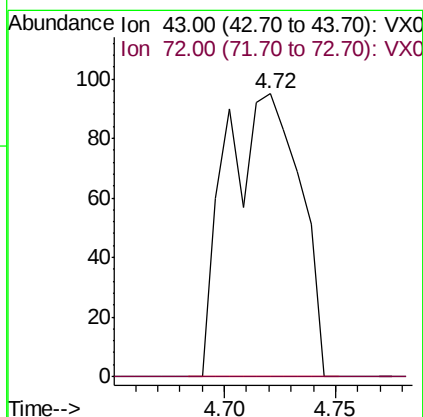
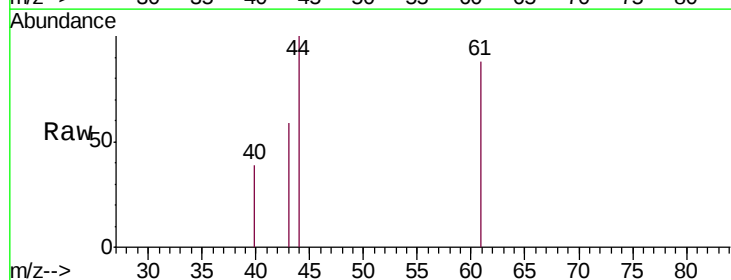
Instrument :
MSVOA_X
ClientSampleId :
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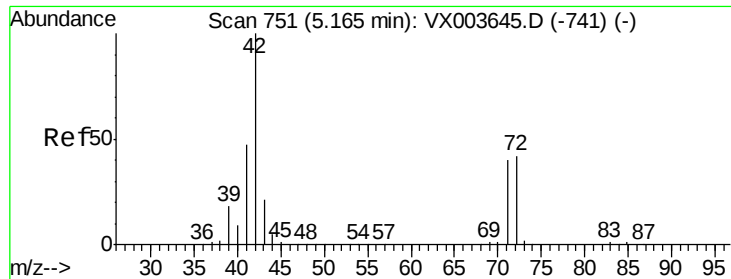
Tot Ion:	84	Resp:	558
Ion	Ratio	Lower	Upper
84	100		
49	109.2	102.3	153.5
51	40.1	31.8	47.8
86	69.7	57.4	86.2



#25
2-Butanone
Concen: 0.23 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX003677.D
Acq: 26 Jul 2018 18:24

Tgt Ion:	43	Resp:	218
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.2	30.4#

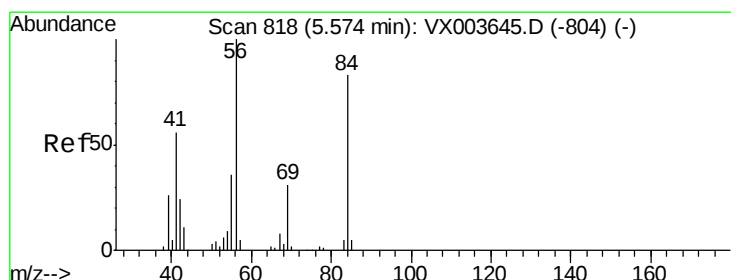
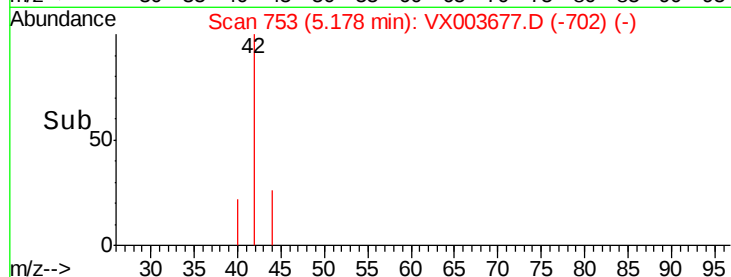
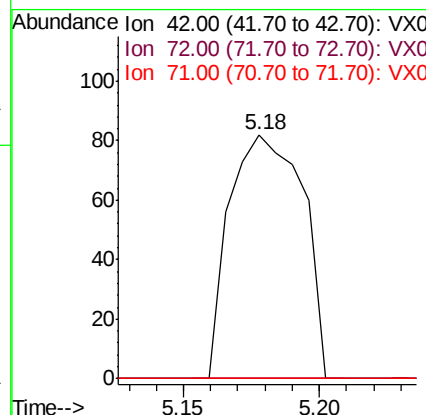
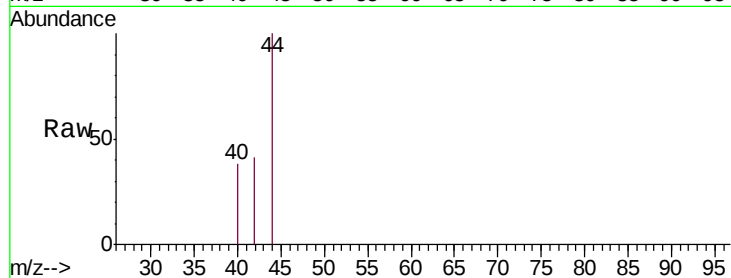




#29
Tetrahydrofuran
Concen: 0.25 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX003677.D
Acq: 26 Jul 2018 18:24

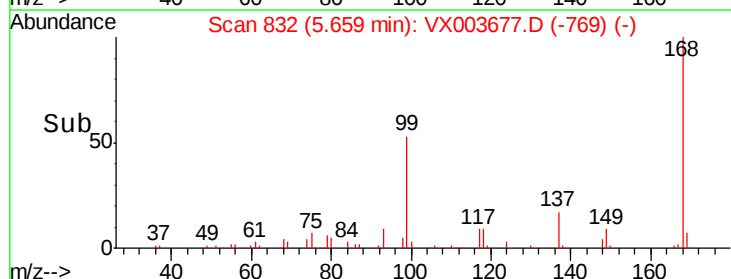
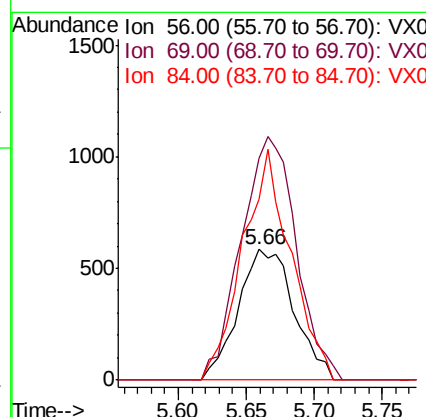
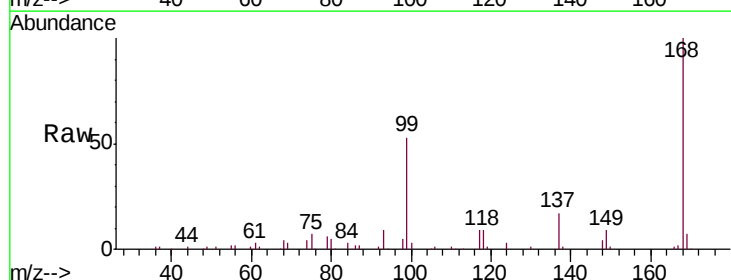
Instrument :
MSVOA_X
ClientSampleId :
LCTB04-180719

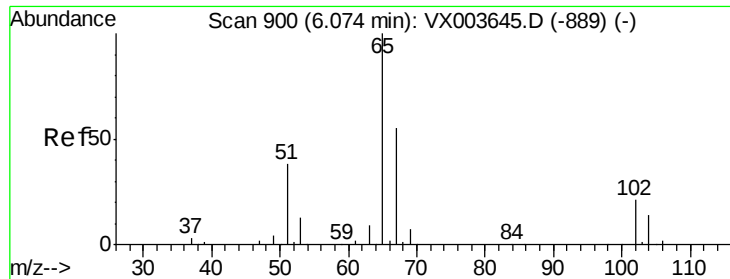
Tot Ion: 42 Resp: 153
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.0 46.6#



#31
Cyclohexane
Concen: 0.95 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.09 min
Lab File: VX003677.D
Acq: 26 Jul 2018 18:24

Tgt Ion: 56 Resp: 1673
Ion Ratio Lower Upper
56 100
69 169.7 25.0 37.6#
84 138.5 66.5 99.7#

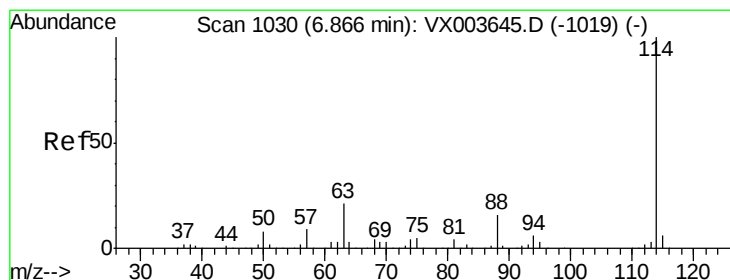
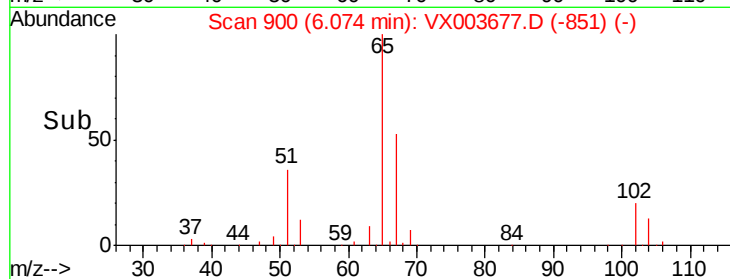
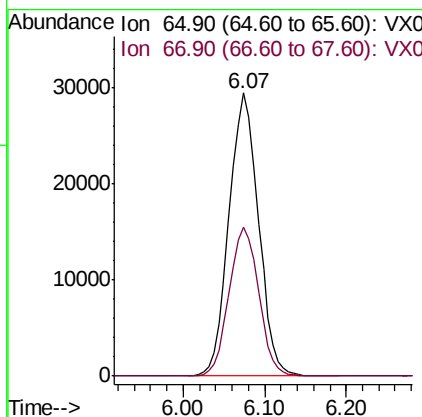
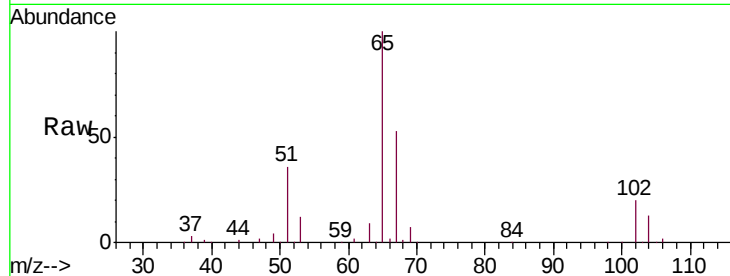




#33
 1,2-Dichloroethane-d4
 Concen: 56.35 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003677.D
 Acq: 26 Jul 2018 18:24

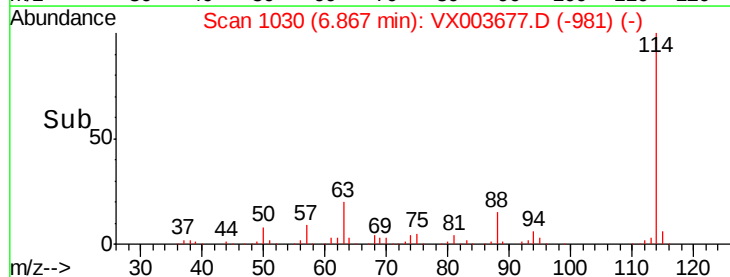
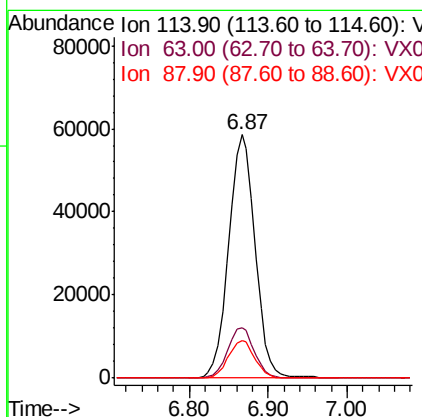
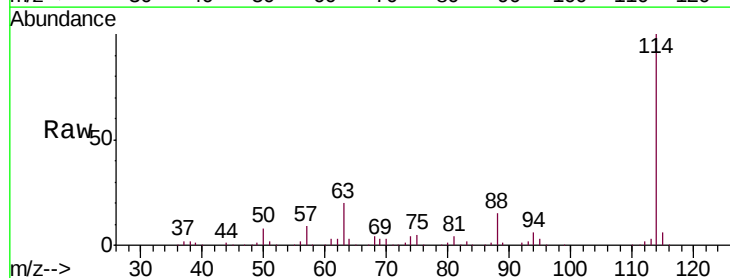
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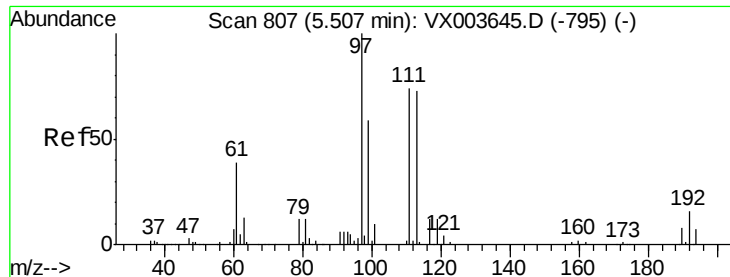
Tot Ion: 65 Resp: 73600
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003677.D
 Acq: 26 Jul 2018 18:24

Tgt Ion: 114 Resp: 136489
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.0
 88 15.2 0.0 31.8

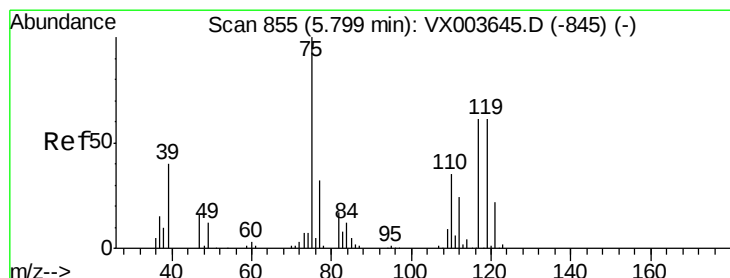
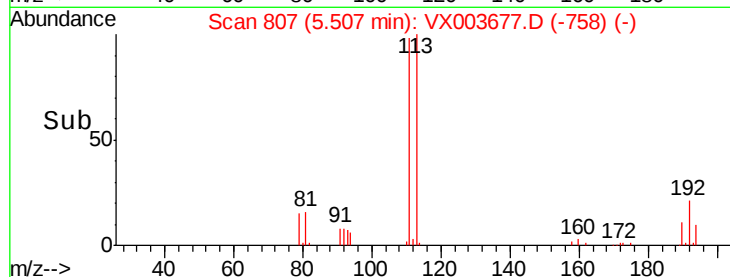
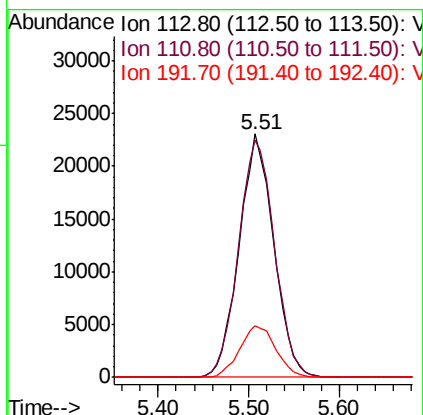
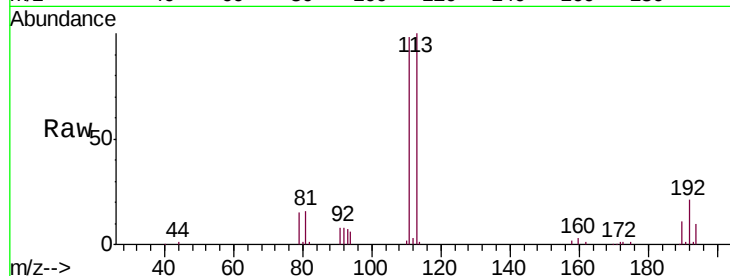




#35
Dibromofluoromethane
Concen: 54.73 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003677.D
Acq: 26 Jul 2018 18:24

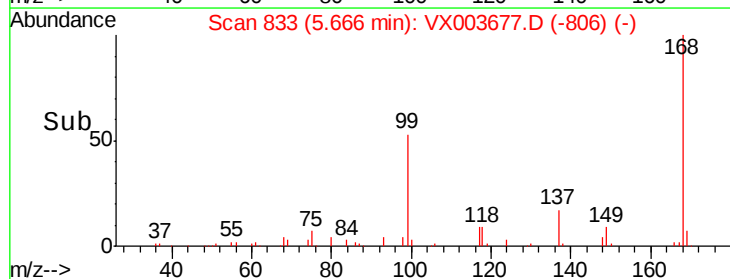
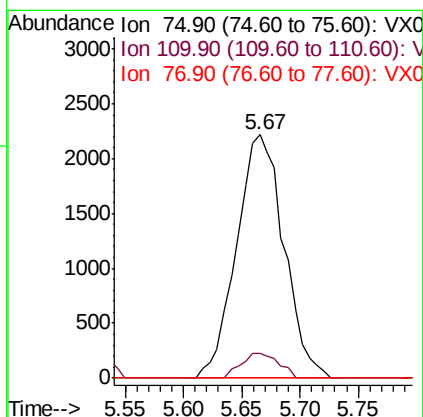
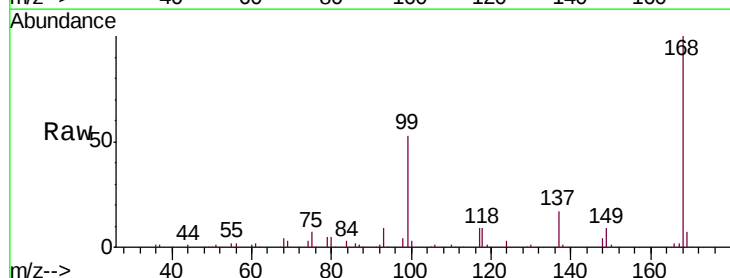
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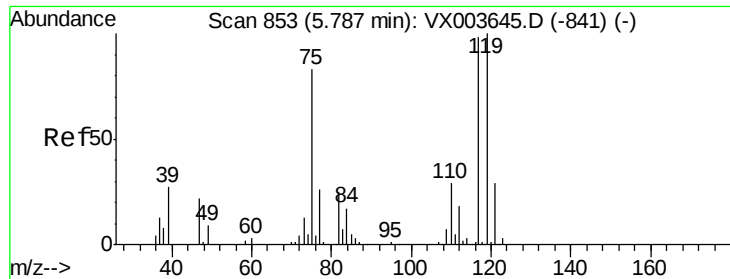
Tot Ion:113 Resp: 61063
Ion Ratio Lower Upper
113 100
111 101.6 81.2 121.8
192 22.3 18.2 27.4



#36
1,1-Dichloropropene
Concen: 3.92 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.13 min
Lab File: VX003677.D
Acq: 26 Jul 2018 18:24

Tgt Ion: 75 Resp: 6255
Ion Ratio Lower Upper
75 100
110 8.2 18.1 54.1#
77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.24 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003677.D

Acq: 26 Jul 2018 18:24

Instrument :

MSVOA_X

ClientSampleId :

LCTB04-180719

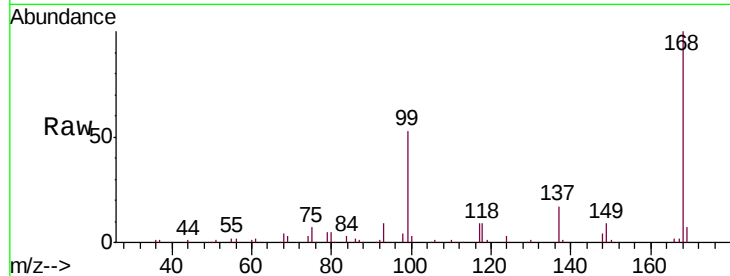
Tot Ion:117 Resp: 8057

Ion Ratio Lower Upper

117 100

119 5.9 81.0 121.4#

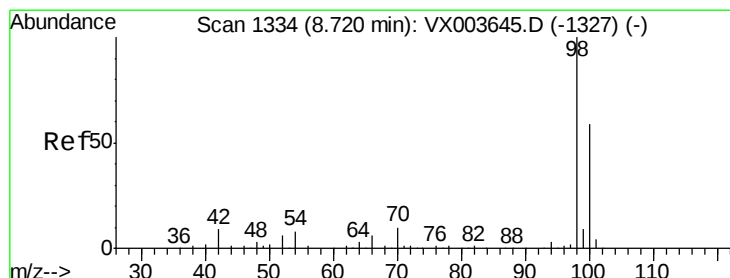
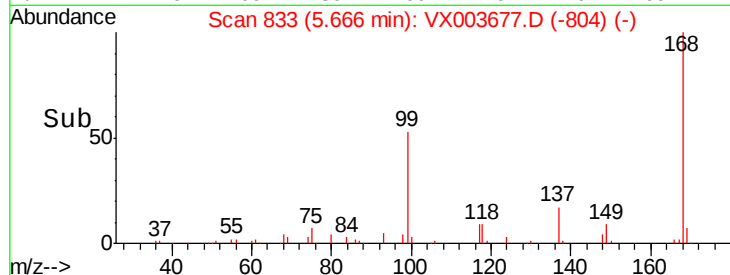
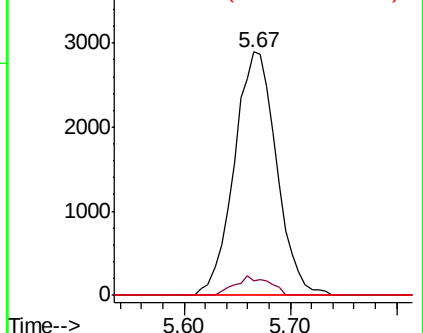
121 0.0 23.7 35.5#



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



#50

Toluene-d8

Concen: 52.59 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003677.D

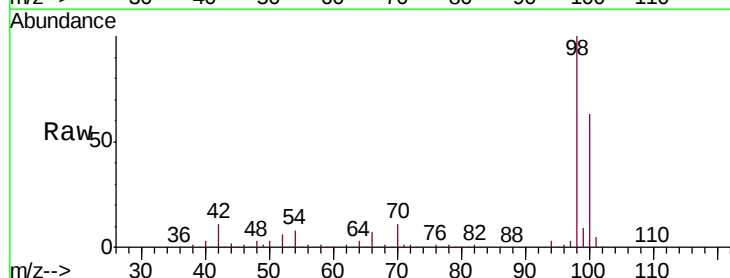
Acq: 26 Jul 2018 18:24

Tgt Ion: 98 Resp: 223950

Ion Ratio Lower Upper

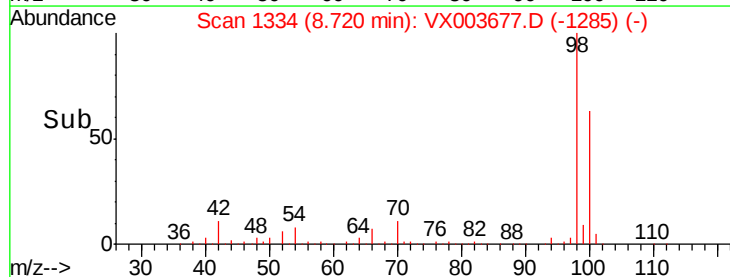
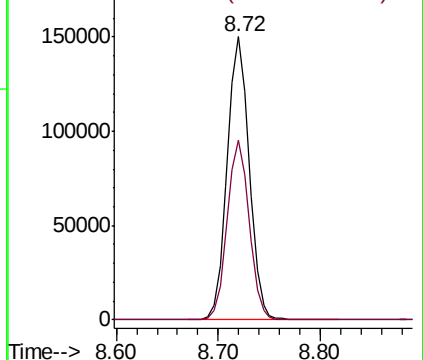
98 100

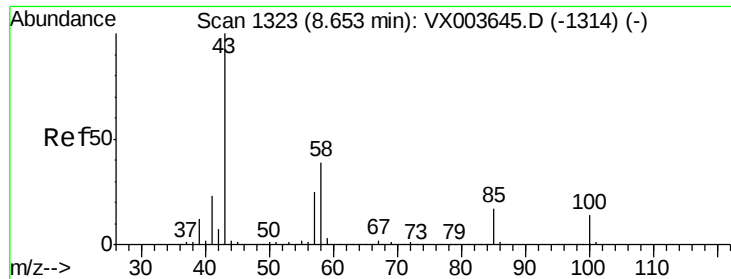
100 63.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.51 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.07 min

Lab File: VX003677.D

Acq: 26 Jul 2018 18:24

Instrument :

MSVOA_X

ClientSampled :

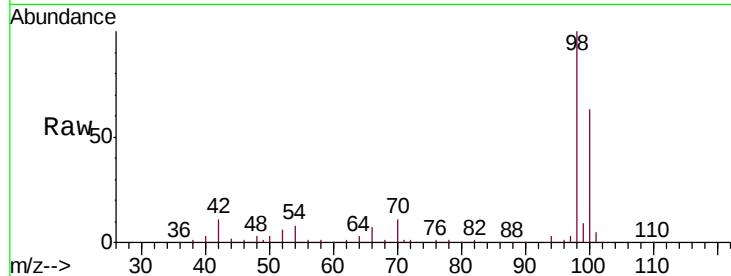
LCTB04-180719

Tot Ion: 43 Resp: 956

Ion Ratio Lower Upper

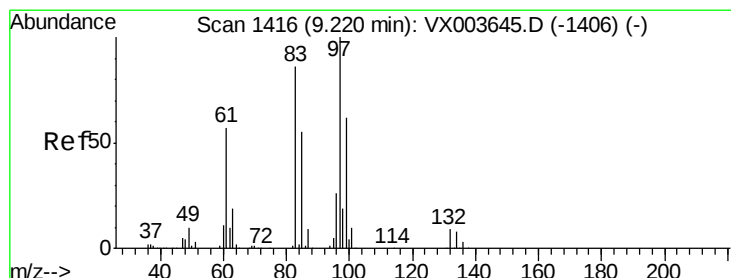
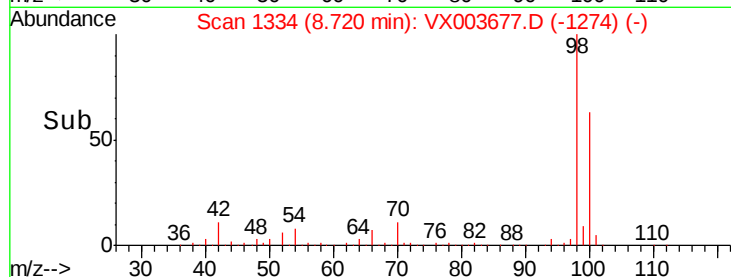
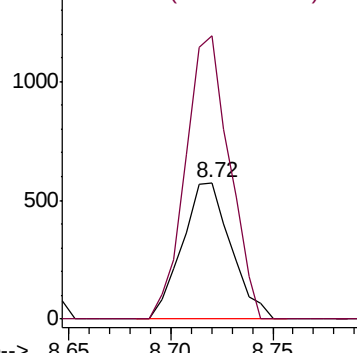
43 100

58 186.5 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#55

1,1,2-Trichloroethane

Concen: 0.21 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. 0.12 min

Lab File: VX003677.D

Acq: 26 Jul 2018 18:24

Tgt Ion: 97 Resp: 250

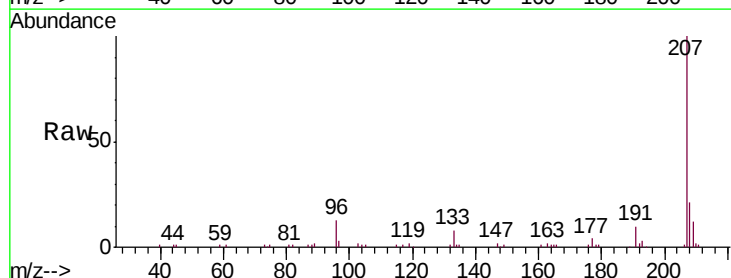
Ion Ratio Lower Upper

97 100

83 0.0 68.7 103.1#

85 0.0 43.7 65.5#

99 0.0 49.6 74.4#

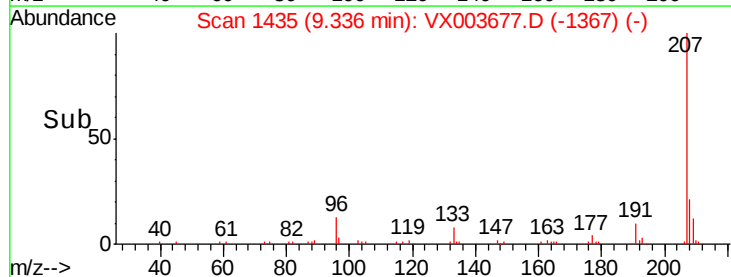
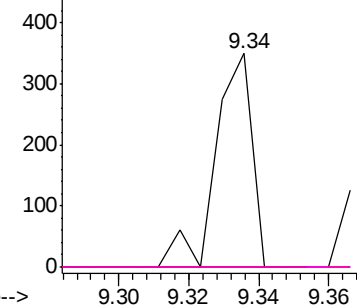


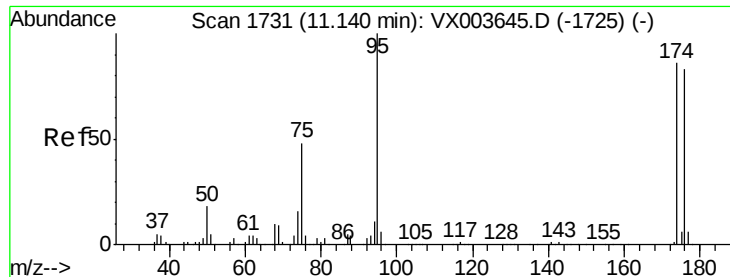
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

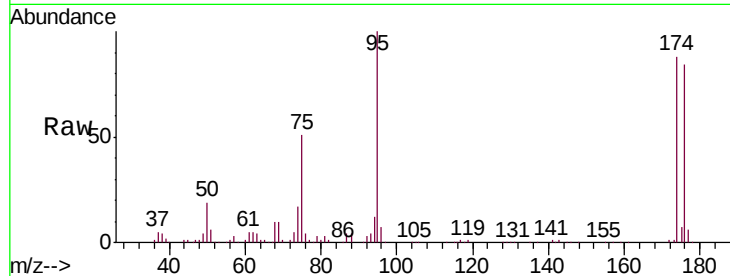




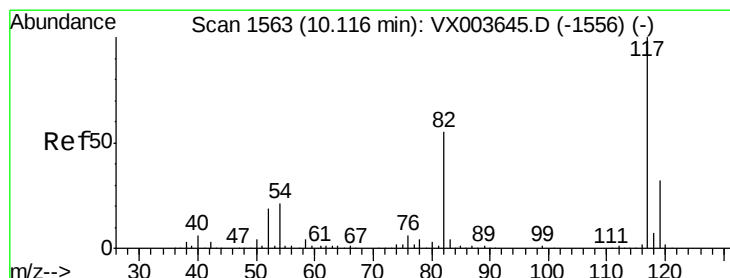
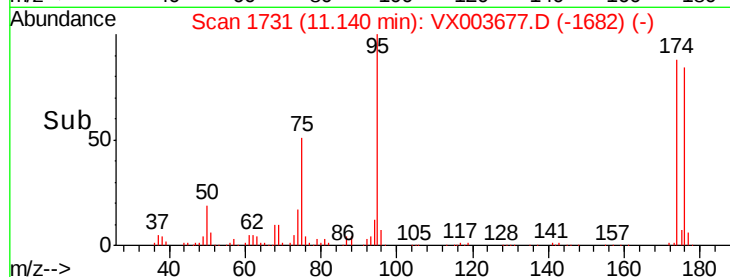
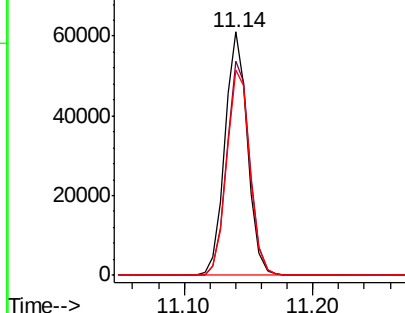
#62
4-Bromofluorobenzene
Concen: 48.53 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003677.D
Acq: 26 Jul 2018 18:24

Instrument :
MSVOA_X
ClientSampleId :
LCTB04-180719

Tot Ion: 95 Resp: 75380
Ion Ratio Lower Upper
95 100
174 90.1 0.0 179.0
176 86.6 0.0 173.0

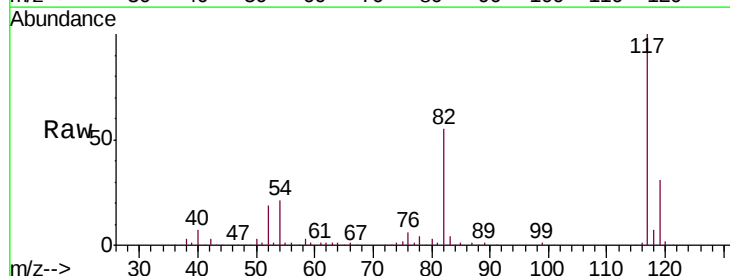


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

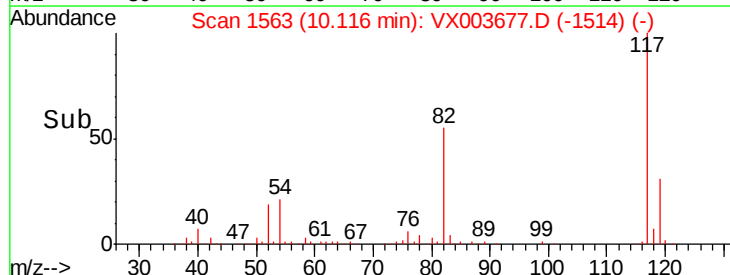
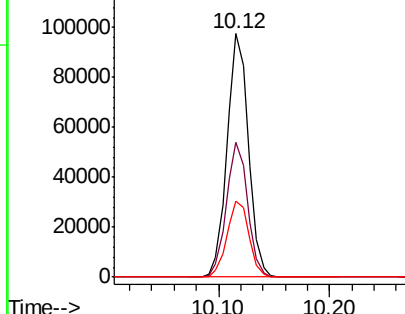


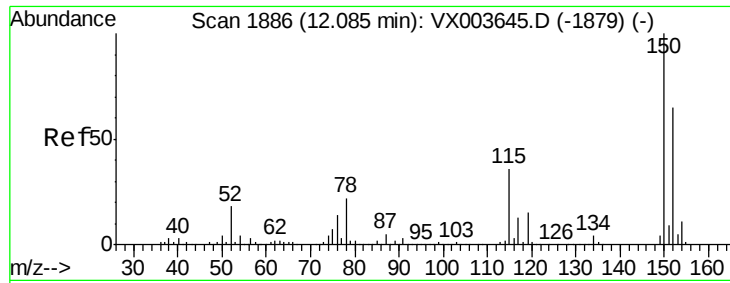
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003677.D
Acq: 26 Jul 2018 18:24

Tgt Ion: 117 Resp: 129213
Ion Ratio Lower Upper
117 100
82 55.2 44.3 66.5
119 31.4 25.6 38.4



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: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX003677.D

Acq: 26 Jul 2018 18:24

Instrument :

MSVOA_X

ClientSampleId :

LCTB04-180719

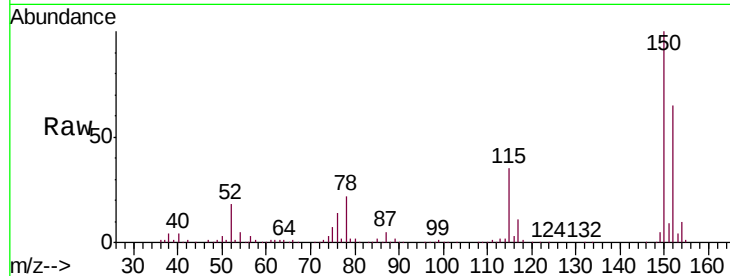
Tot Ion:152 Resp: 66744

Ion Ratio Lower Upper

152 100

115 56.1 40.0 119.9

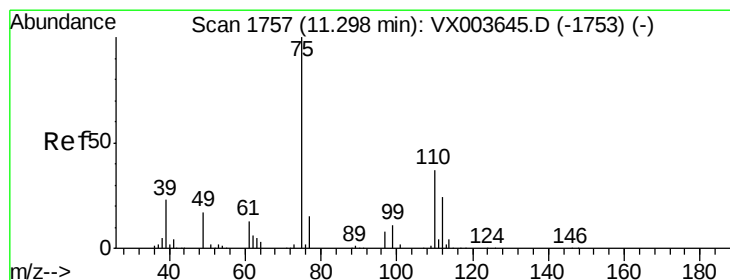
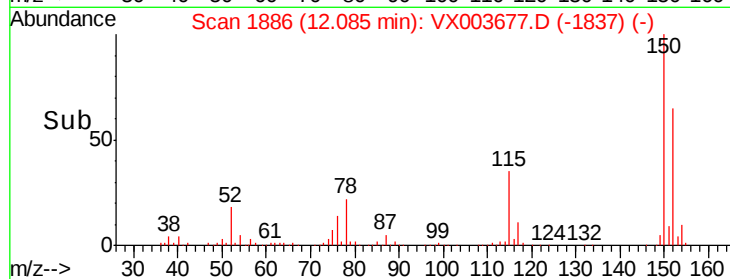
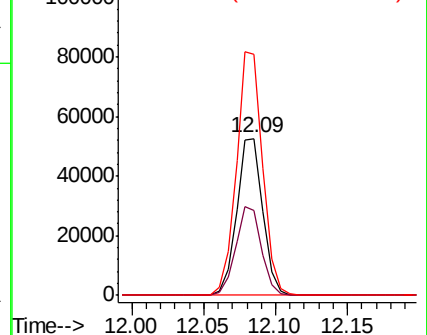
150 155.3 0.0 348.4



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: 26.78 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003677.D

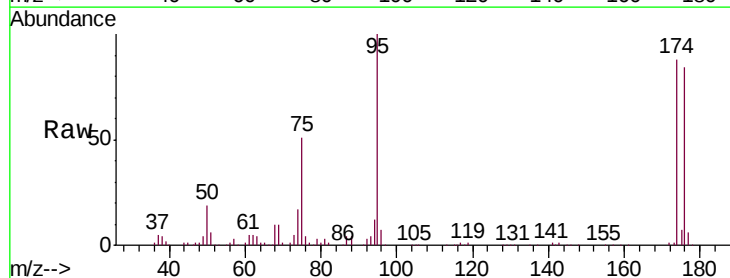
Acq: 26 Jul 2018 18:24

Tgt Ion: 75 Resp: 37487

Ion Ratio Lower Upper

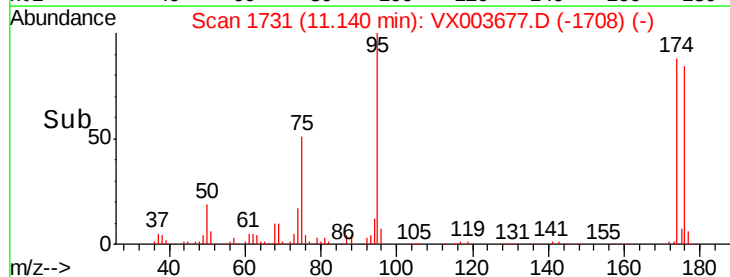
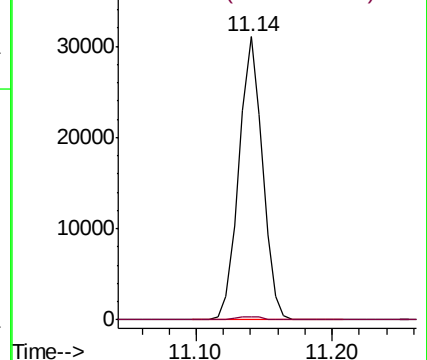
75 100

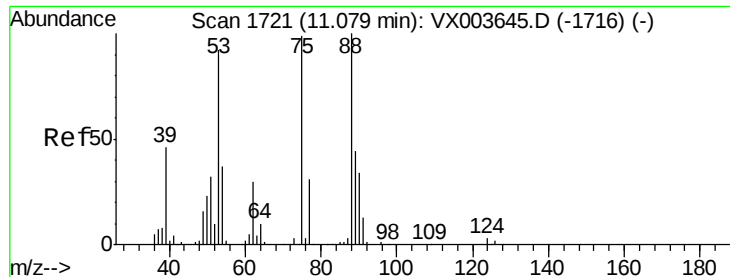
77 1.4 21.6 64.6#



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: 82.96 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003677.D

Acq: 26 Jul 2018 18:24

Instrument :

MSVOA_X

ClientSampleId :

LCTB04-180719

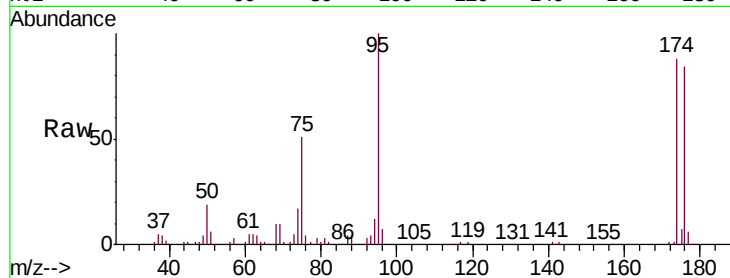
Tot Ion: 75 Resp: 37487

Ion Ratio Lower Upper

75 100

53 0.2 77.8 116.8#

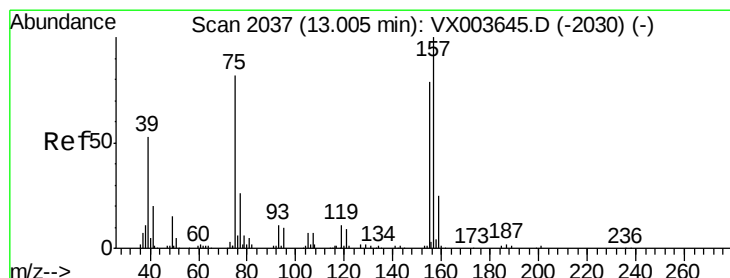
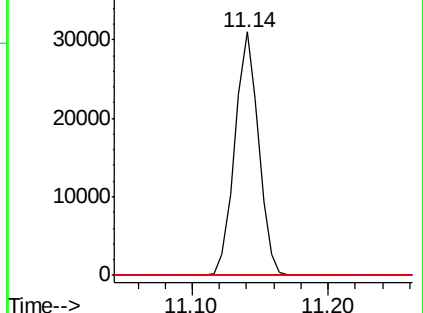
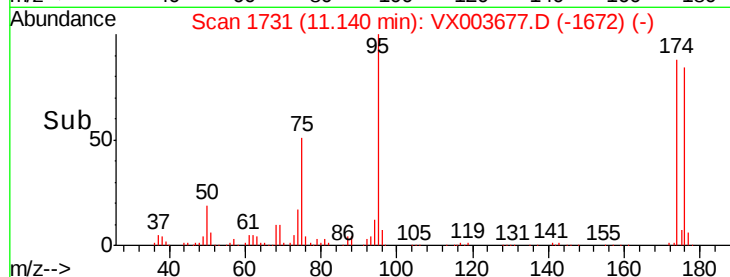
89 0.0 36.6 54.8#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.32 ug/l

RT: 12.82 min Scan# 2006

Delta R.T. -0.19 min

Lab File: VX003677.D

Acq: 26 Jul 2018 18:24

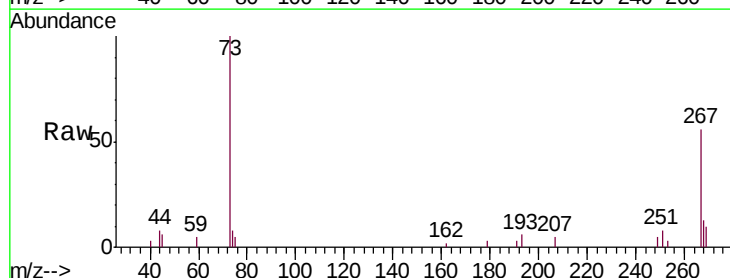
Tgt Ion: 75 Resp: 112

Ion Ratio Lower Upper

75 100

155 0.0 46.1 138.3#

157 0.0 59.7 179.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

