

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102918\
 Data File : VX005673.D
 Acq On : 29 Oct 2018 20:57
 Operator : JC/MD
 Sample : J5692-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FT-PZ458S-20181025

Quant Time: Oct 30 02:02:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	288189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	414018	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	348440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	165888	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	159032	45.21	ug/l	0.00
Spiked Amount			Recovery	=	90.42%	
35) Dibromofluoromethane	5.50	113	131388	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	
50) Toluene-d8	8.71	98	466986	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	
62) 4-Bromofluorobenzene	11.14	95	160182	42.11	ug/l	0.00
Spiked Amount			Recovery	=	84.22%	

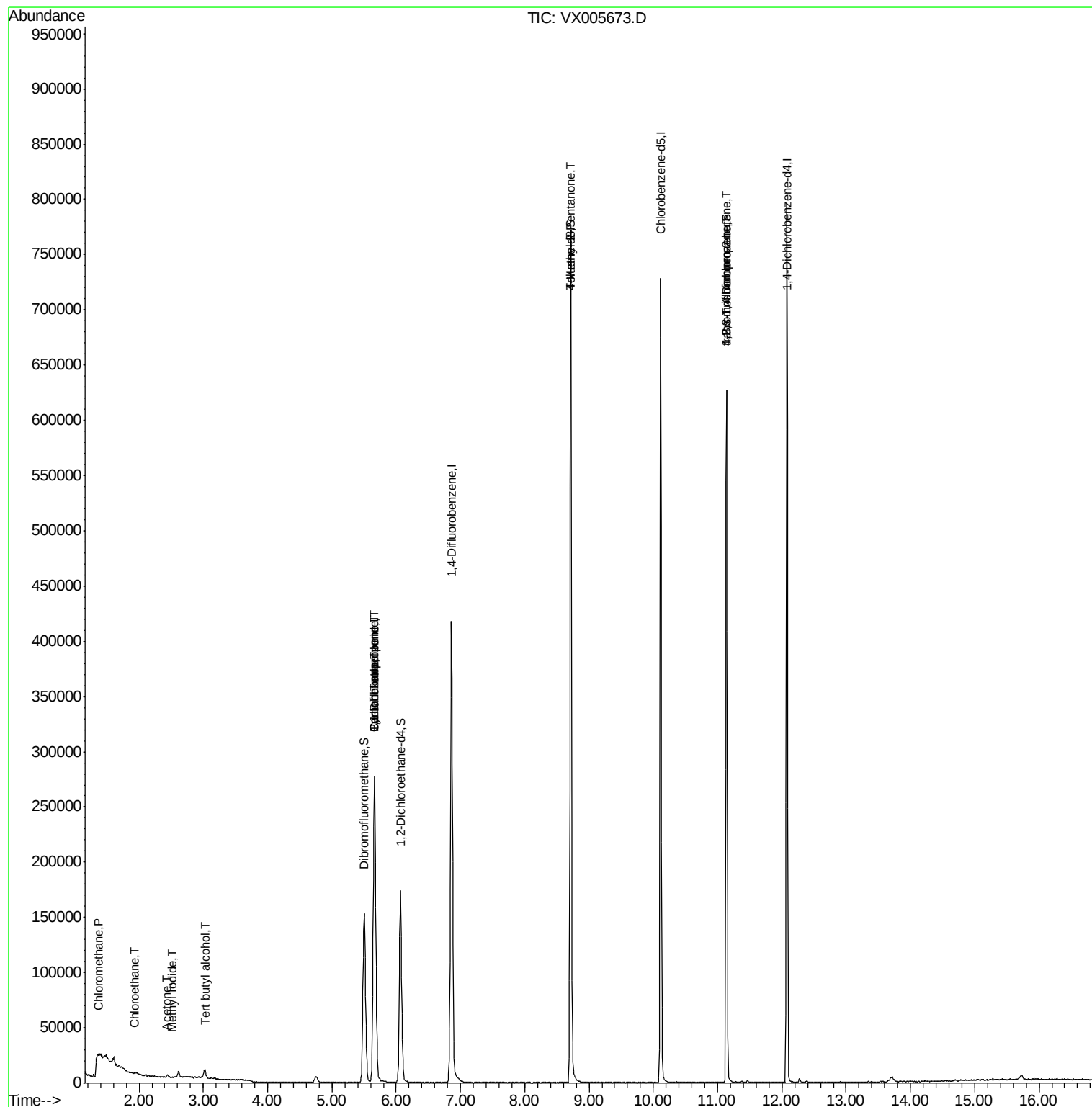
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.36	50	1366	0.377	ug/l #	68
6) Chloroethane	1.93	64	1222	0.537	ug/l #	42
10) Methyl Iodide	2.52	142	216	2.794	ug/l #	78
11) Tert butyl alcohol	3.03	59	4835	5.107	ug/l #	75
16) Acetone	2.44	43	2121	1.141	ug/l	93
18) Methyl Acetate	2.78	43	266	Below Cal	#	55
31) Cyclohexane	5.67	56	5029	1.060	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	19010	4.731	ug/l #	49
38) Carbon Tetrachloride	5.67	117	24817	5.864	ug/l #	15
51) 4-Methyl-2-Pentanone	8.71	43	2092	0.405	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	78234	22.259	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	78234	72.731	ug/l #	9

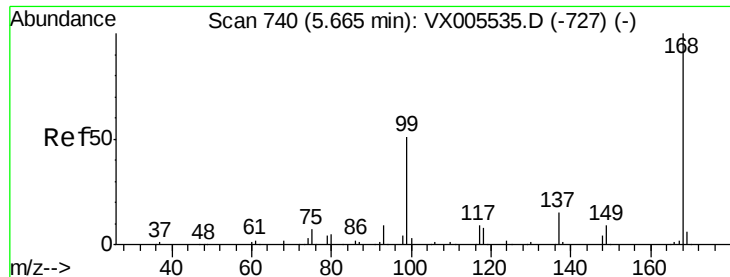
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005673.D

Acq: 29 Oct 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

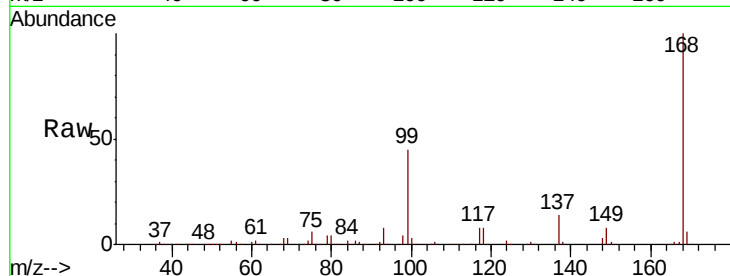
FT-PZ458S-20181025

Tot Ion:168 Resp: 288189

Ion Ratio Lower Upper

168 100

99 44.9 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

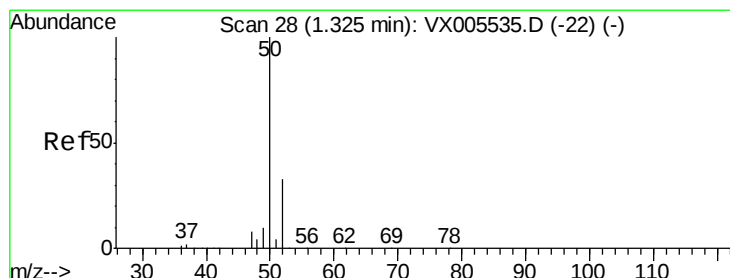
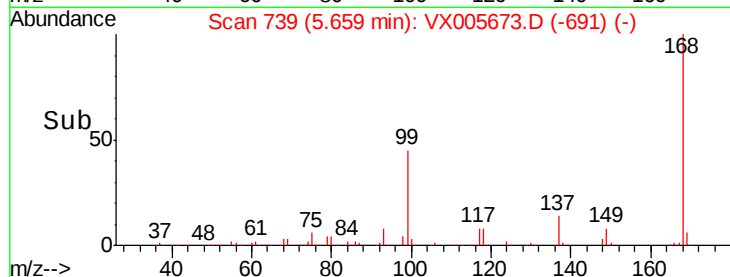
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.377 ug/l

RT: 1.36 min Scan# 34

Delta R.T. 0.04 min

Lab File: VX005673.D

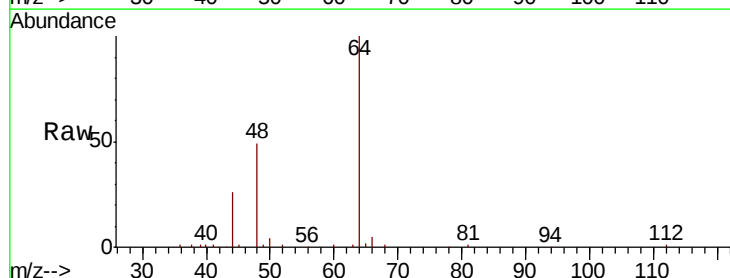
Acq: 29 Oct 2018 20:57

Tgt Ion: 50 Resp: 1366

Ion Ratio Lower Upper

50 100

52 15.0 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.36

500

400

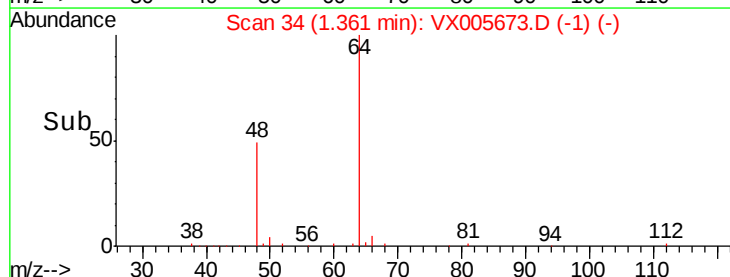
300

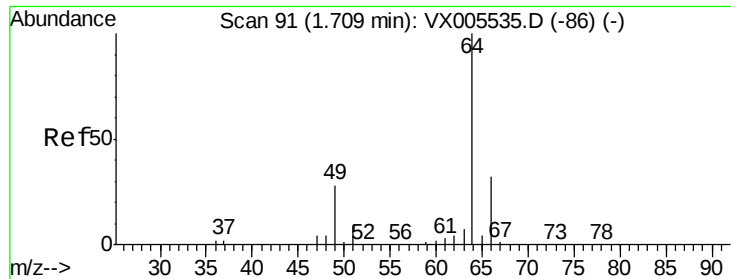
200

100

0

Time--> 1.30 1.35 1.40





#6

Chloroethane

Concen: 0.537 ug/l

RT: 1.93 min Scan# 127

Delta R.T. 0.22 min

Lab File: VX005673.D

Acq: 29 Oct 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

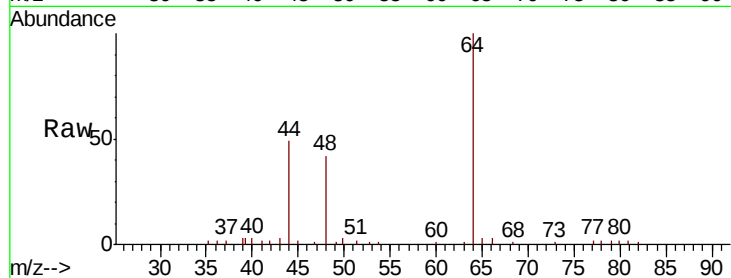
FT-PZ458S-20181025

Tot Ion: 64 Resp: 1222

Ion Ratio Lower Upper

64 100

66 0.0 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.93

4000

3000

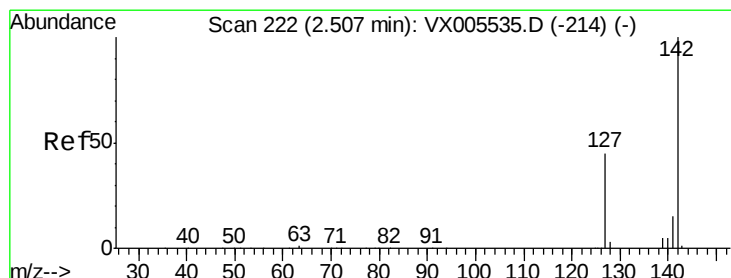
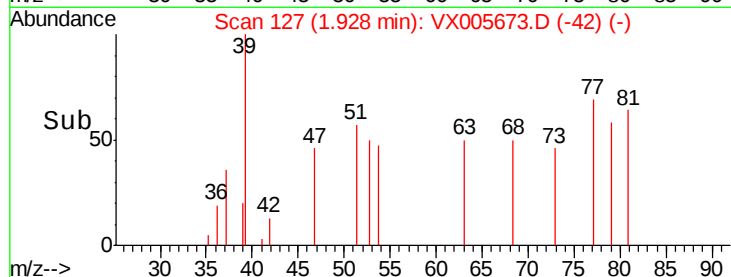
2000

1000

0

1.90 1.92 1.94 1.96

Time-->



#10

Methyl Iodide

Concen: 2.794 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX005673.D

Acq: 29 Oct 2018 20:57

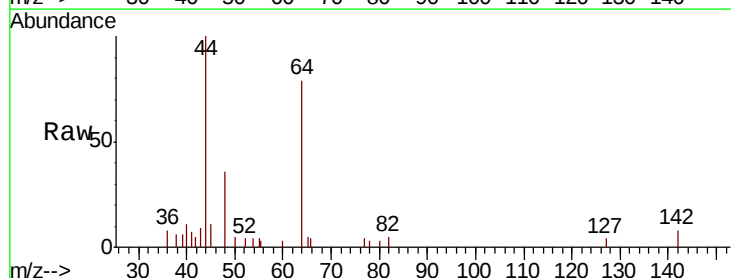
Tgt Ion: 142 Resp: 216

Ion Ratio Lower Upper

142 100

127 33.8 36.0 54.0#

141 0.0 11.7 17.5#



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

2.52

150

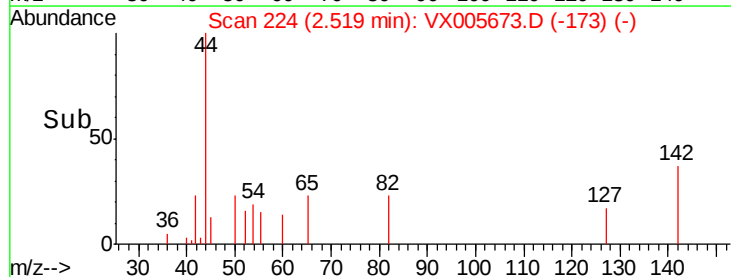
100

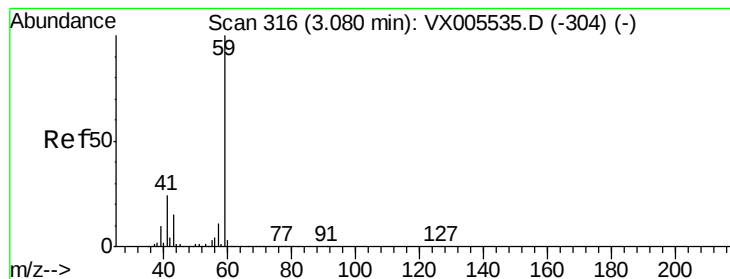
50

0

2.50 2.55

Time-->



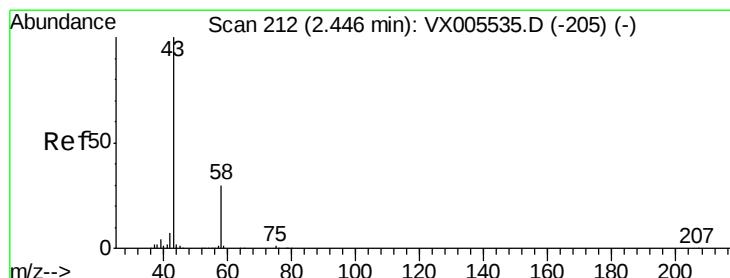
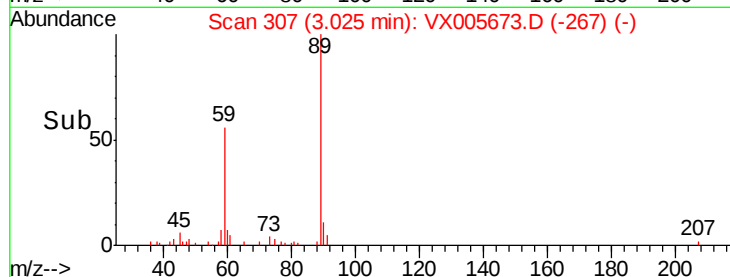
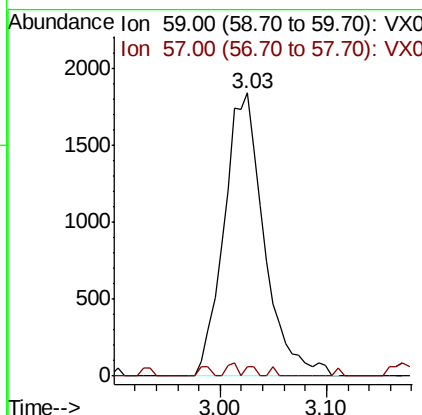
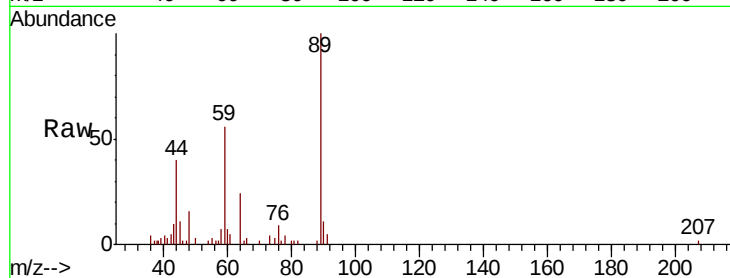


#11

Tert butyl alcohol
 Concen: 5.107 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.06 min
 Lab File: VX005673.D
 Acq: 29 Oct 2018 20:57

Instrument :
 MSVOA_X
 ClientSampleId :
 FT-PZ458S-20181025

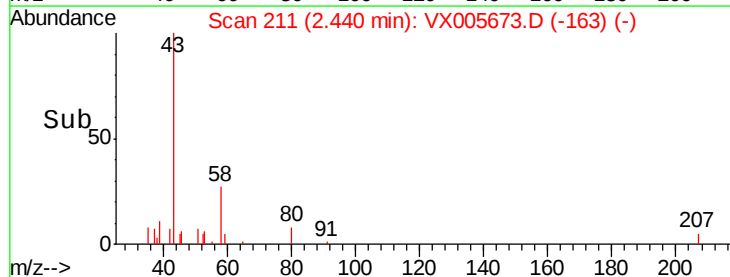
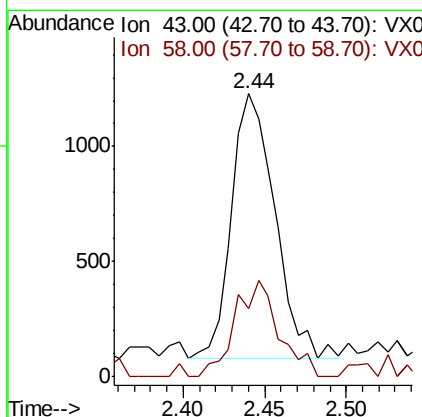
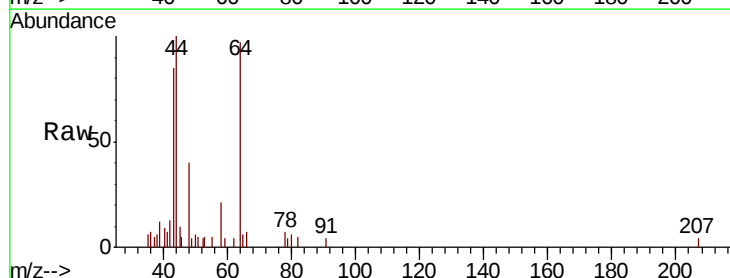
Tot Ion: 59 Resp: 4835
 Ion Ratio Lower Upper
 59 100
 57 1.2 8.5 12.7#

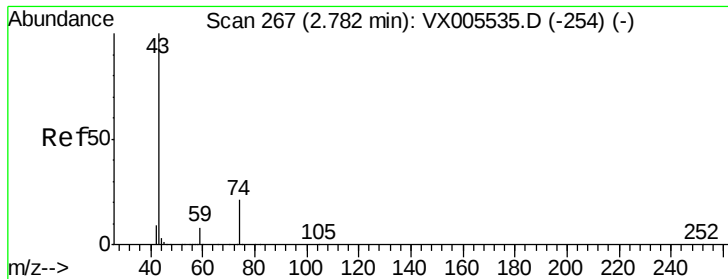


#16

Acetone
 Concen: 1.141 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX005673.D
 Acq: 29 Oct 2018 20:57

Tgt Ion: 43 Resp: 2121
 Ion Ratio Lower Upper
 43 100
 58 26.0 23.8 35.6

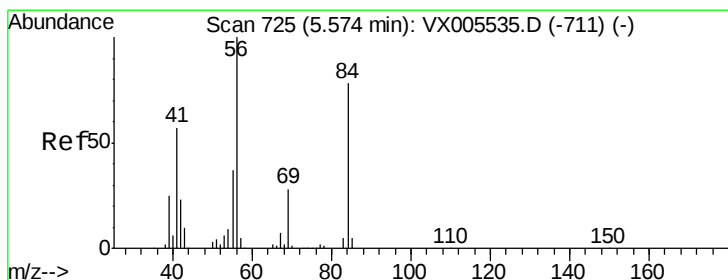
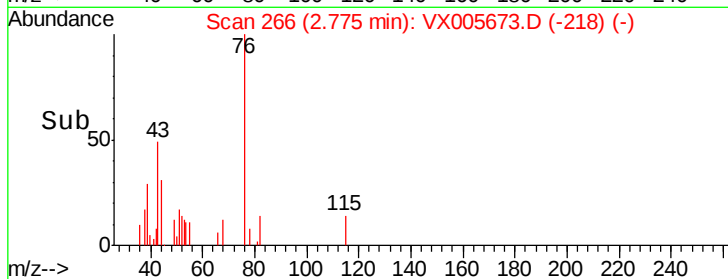
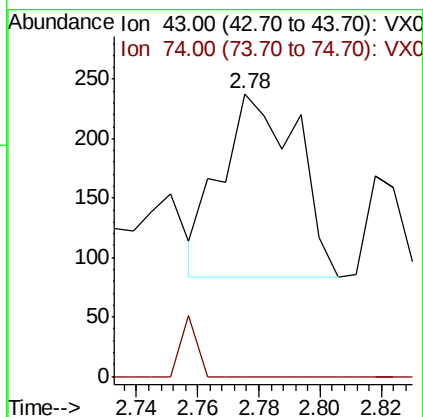
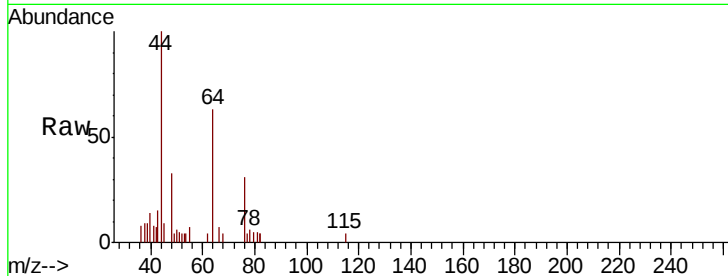




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005673.D
Acq: 29 Oct 2018 20:57

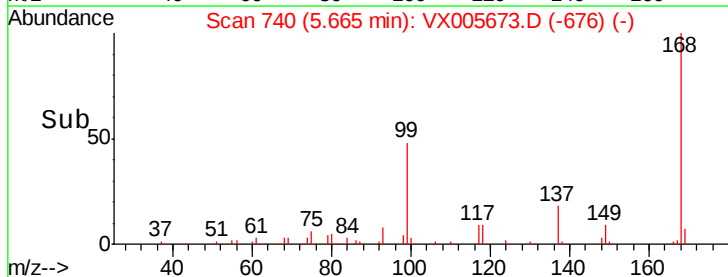
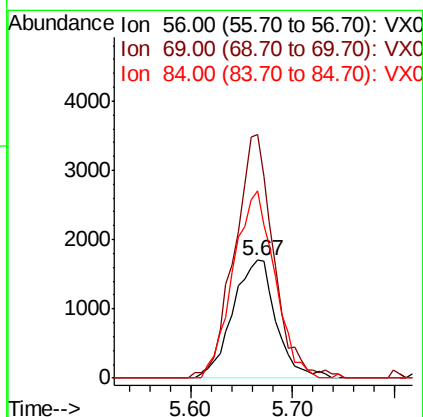
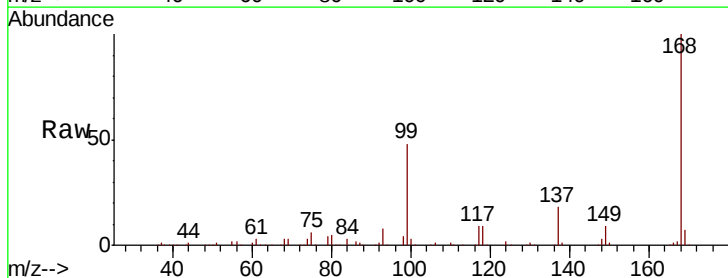
Instrument :
MSVOA_X
ClientSampleId :
FT-PZ458S-20181025

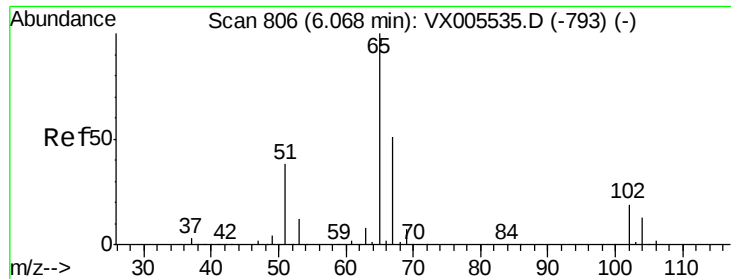
Tot Ion: 43 Resp: 266
Ion Ratio Lower Upper
43 100
74 0.0 16.8 25.2#



#31
Cyclohexane
Concen: 1.060 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005673.D
Acq: 29 Oct 2018 20:57

Tgt Ion: 56 Resp: 5029
Ion Ratio Lower Upper
56 100
69 206.4 22.6 34.0#
84 159.1 62.7 94.1#

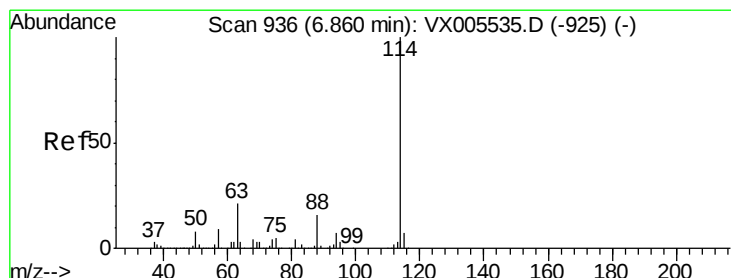
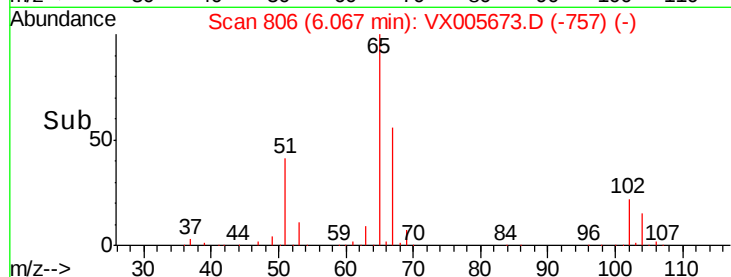
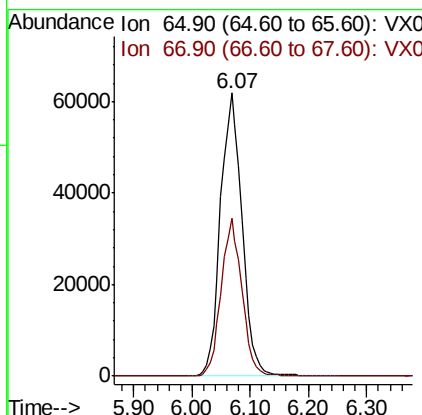
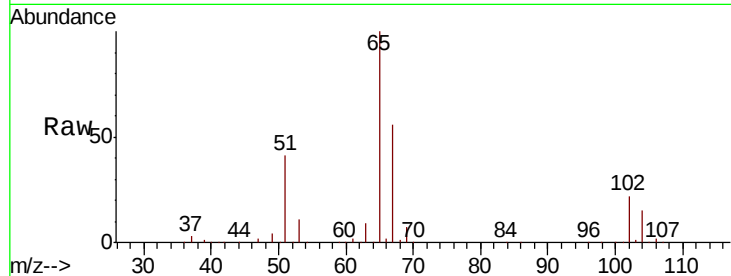




#33
 1,2-Dichloroethane-d4
 Concen: 45.207 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005673.D
 Acq: 29 Oct 2018 20:57

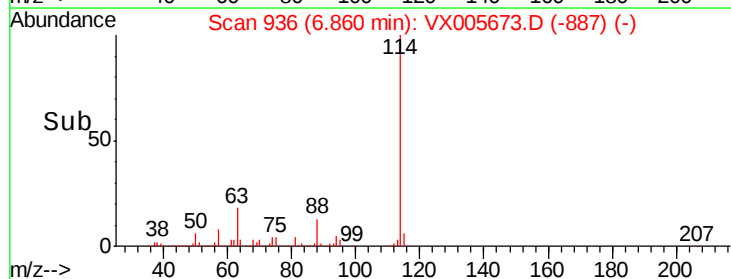
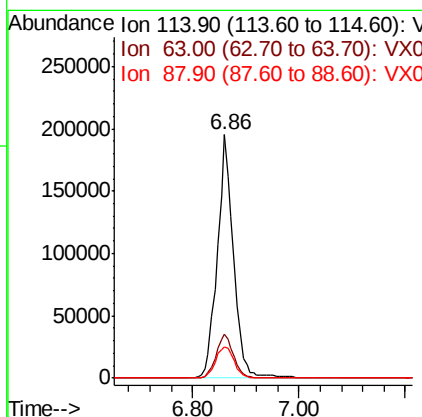
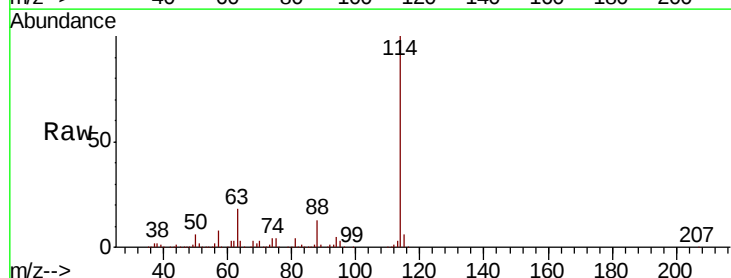
Instrument :
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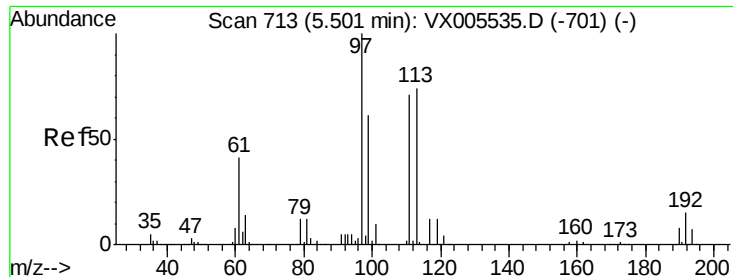
Tot Ion: 65 Resp: 159032
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005673.D
 Acq: 29 Oct 2018 20:57

Tgt Ion: 114 Resp: 414018
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 42.8
 88 12.8 0.0 31.2

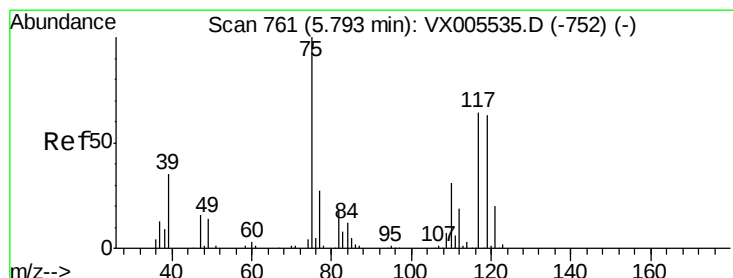
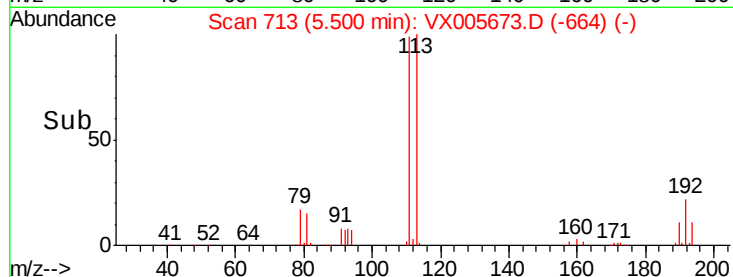
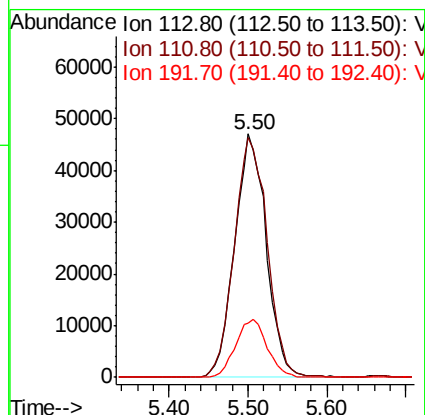
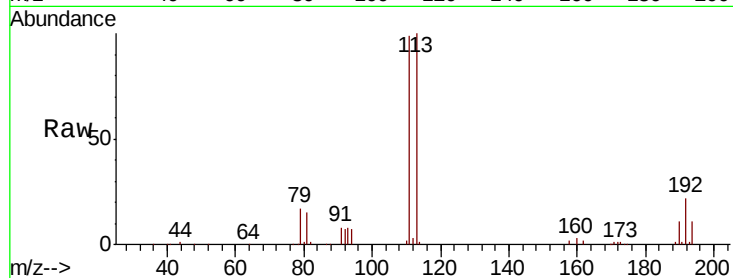




#35
 Dibromofluoromethane
 Concen: 46.868 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005673.D
 Acq: 29 Oct 2018 20:57

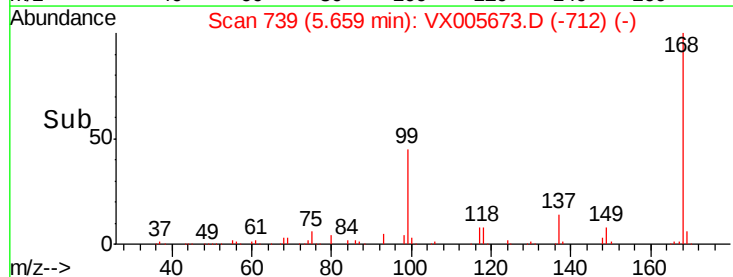
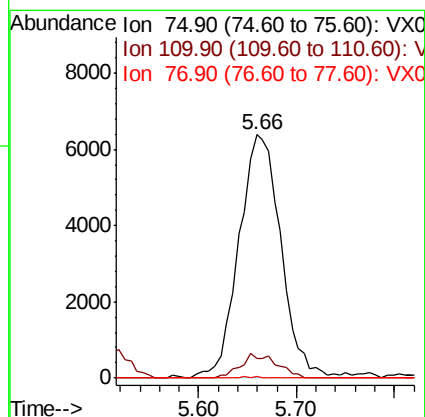
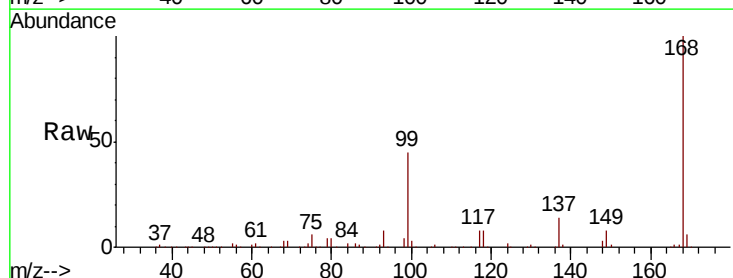
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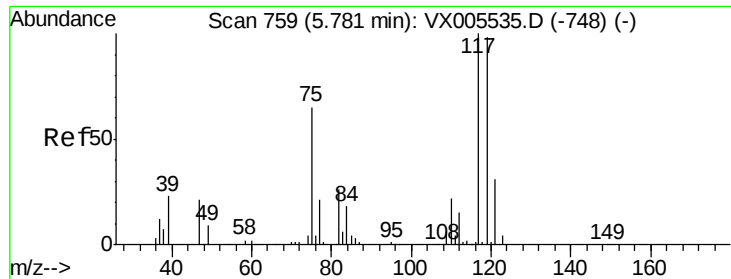
Tot Ion:113 Resp: 131388
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.3 123.5
 192 23.8 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.731 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX005673.D
 Acq: 29 Oct 2018 20:57

Tgt Ion: 75 Resp: 19010
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.4 52.2#
 77 0.2 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 5.864 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005673.D

Acq: 29 Oct 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

FT-PZ458S-20181025

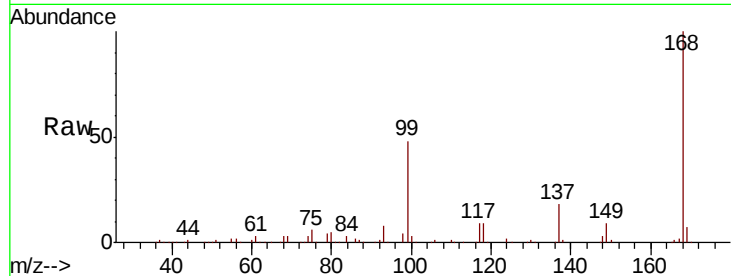
Tot Ion:117 Resp: 24817

Ion Ratio Lower Upper

117 100

119 5.1 78.1 117.1#

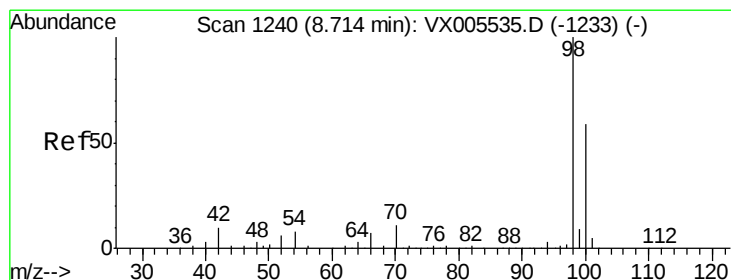
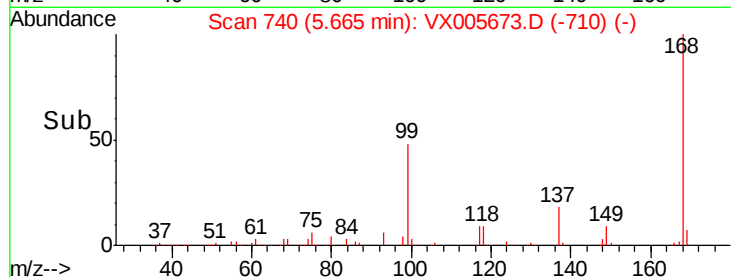
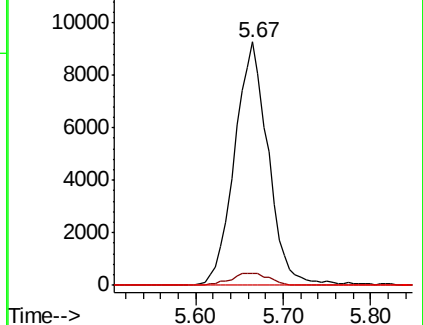
121 0.0 24.6 36.8#



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: 46.360 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005673.D

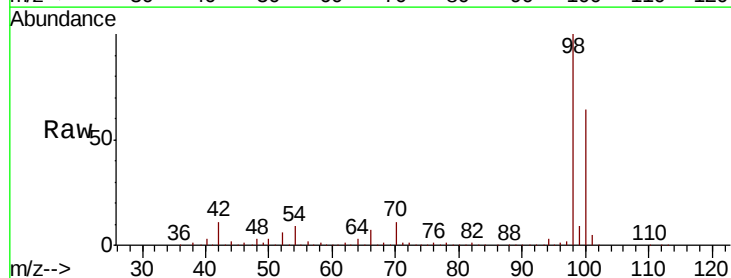
Acq: 29 Oct 2018 20:57

Tgt Ion: 98 Resp: 466986

Ion Ratio Lower Upper

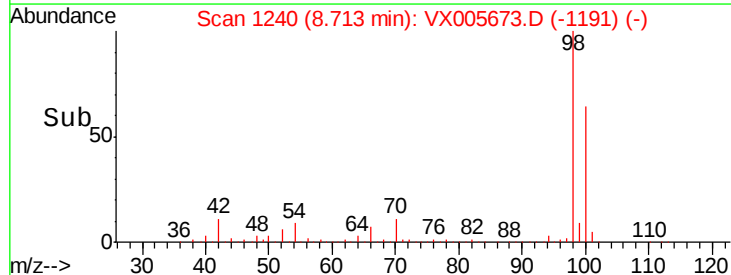
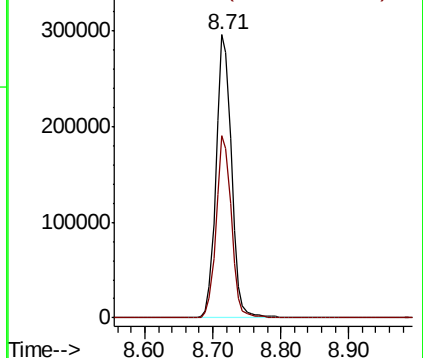
98 100

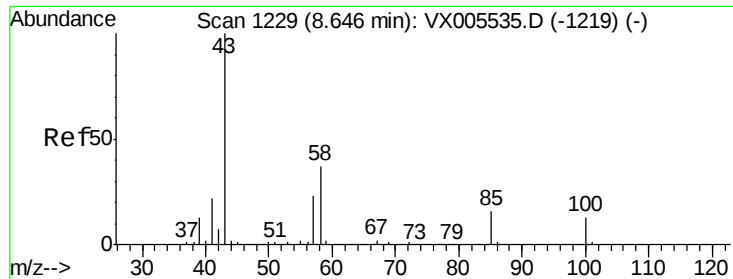
100 63.5 51.3 76.9



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: 0.405 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.07 min

Lab File: VX005673.D

Acq: 29 Oct 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

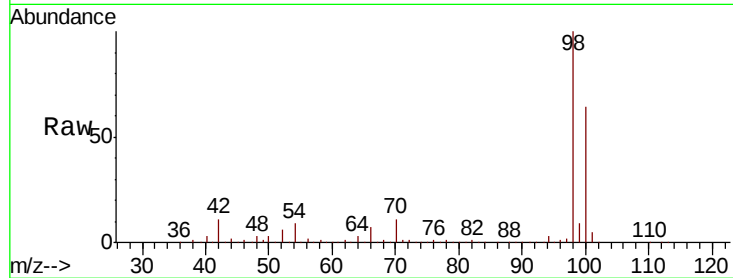
FT-PZ458S-20181025

Tot Ion: 43 Resp: 2092

Ion Ratio Lower Upper

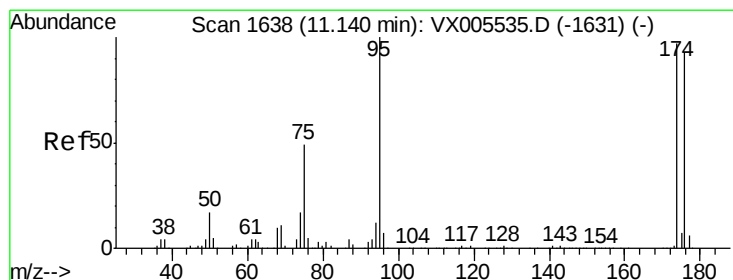
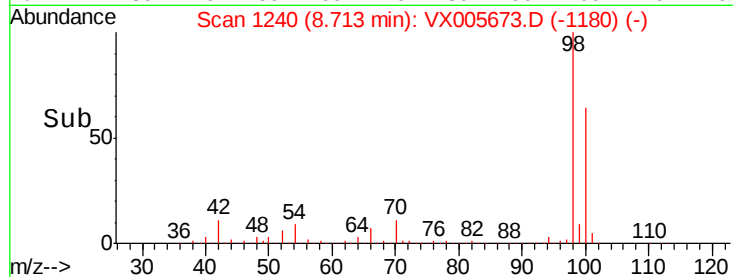
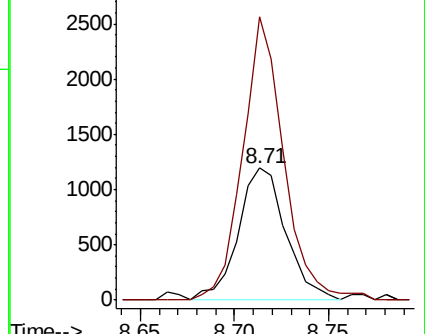
43 100

58 185.7 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 42.108 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005673.D

Acq: 29 Oct 2018 20:57

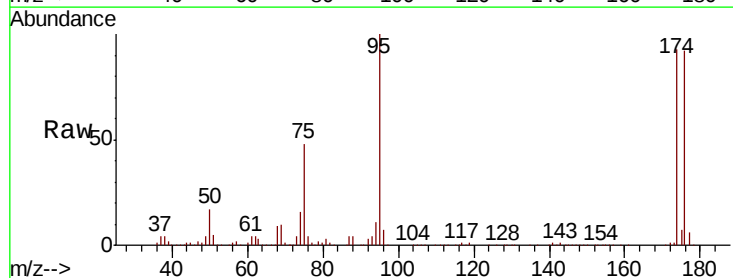
Tgt Ion: 95 Resp: 160182

Ion Ratio Lower Upper

95 100

174 90.3 0.0 184.4

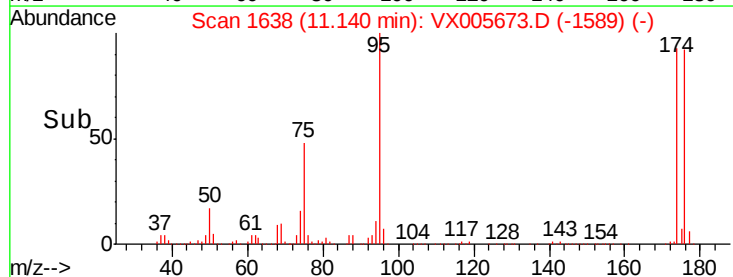
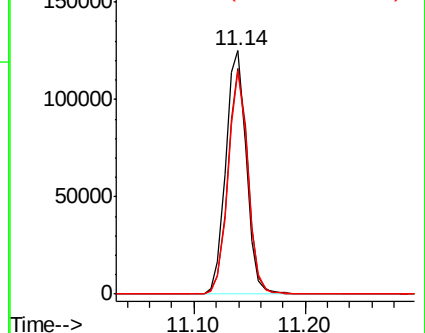
176 87.8 0.0 177.4

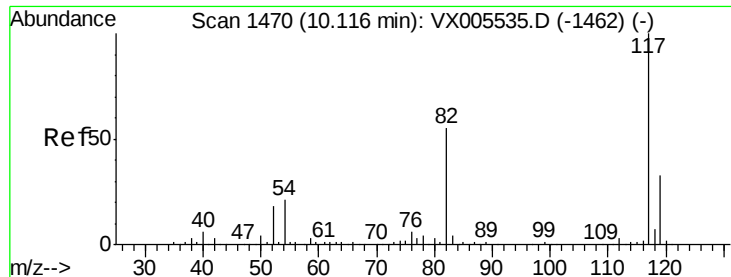


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

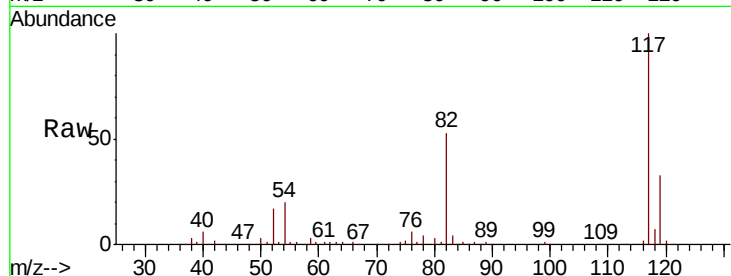




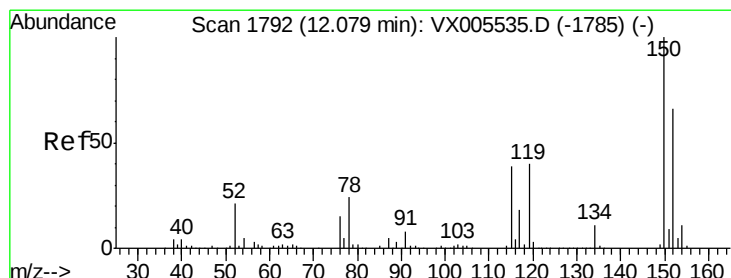
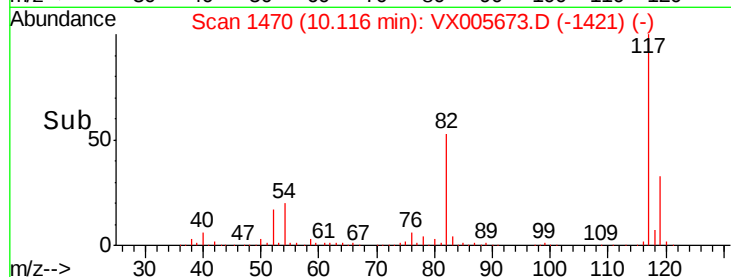
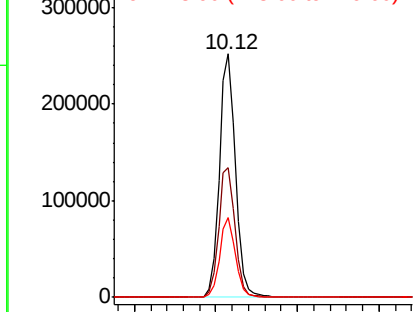
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005673.D
Acq: 29 Oct 2018 20:57

Instrument :
MSVOA_X
ClientSampleId :
FT-PZ458S-20181025

Tot Ion:117 Resp: 348440
Ion Ratio Lower Upper
117 100
82 53.0 44.1 66.1
119 32.5 26.2 39.2

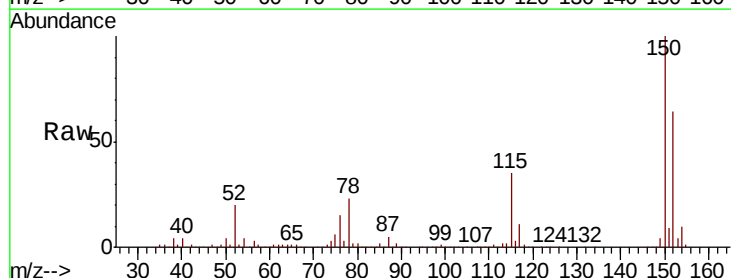


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

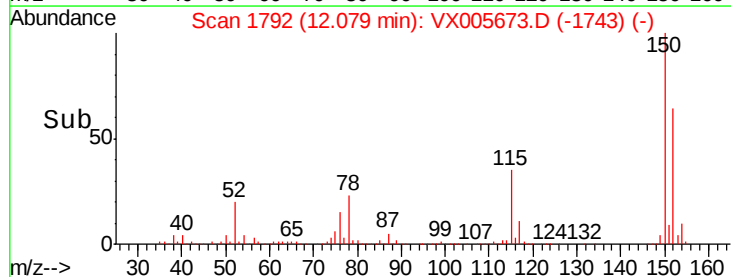
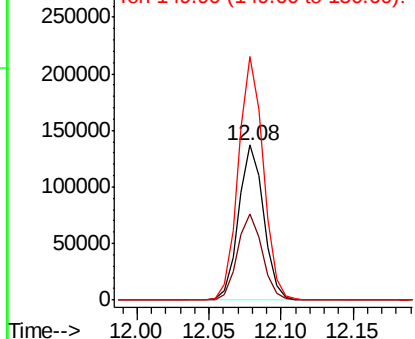


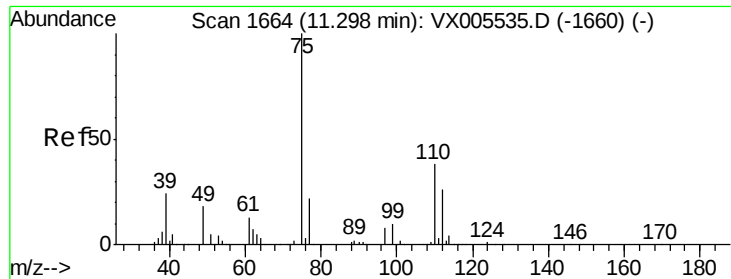
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005673.D
Acq: 29 Oct 2018 20:57

Tgt Ion:152 Resp: 165888
Ion Ratio Lower Upper
152 100
115 55.2 39.4 118.1
150 156.8 0.0 346.4



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: 22.259 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005673.D

Acq: 29 Oct 2018 20:57

Instrument :

MSVOA_X

ClientSampleId :

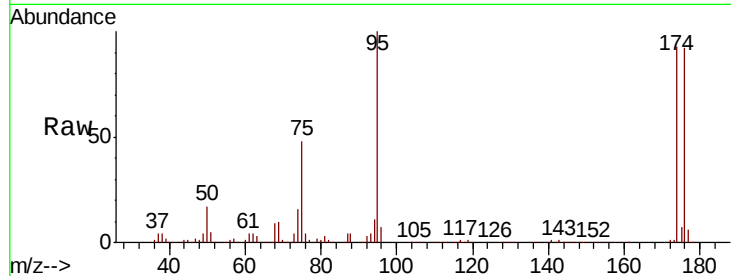
FT-PZ458S-20181025

Tot Ion: 75 Resp: 78234

Ion Ratio Lower Upper

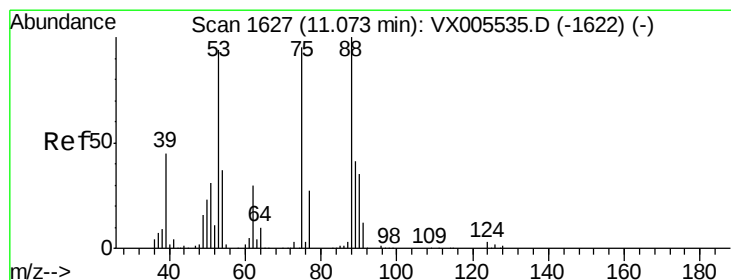
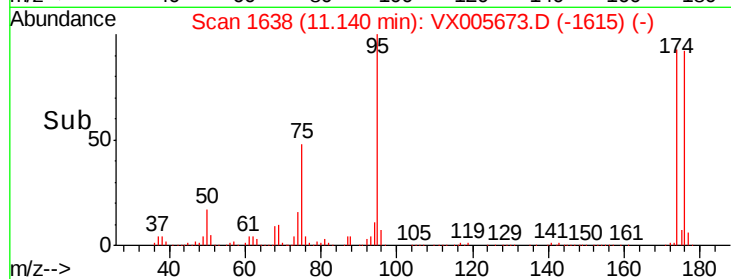
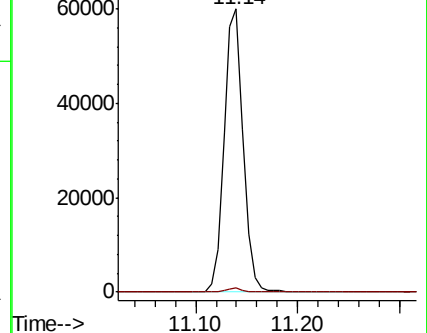
75 100

77 1.3 20.5 61.6#



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: 72.731 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005673.D

Acq: 29 Oct 2018 20:57

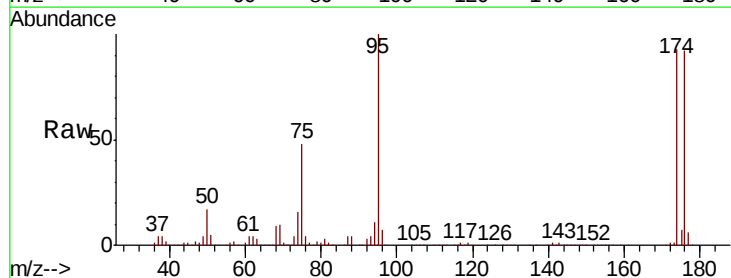
Tgt Ion: 75 Resp: 78234

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.2#

89 0.0 39.8 59.8#



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

