

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
 Data File : VX005640.D
 Acq On : 27 Oct 2018 07:47
 Operator : JC/MD
 Sample : J5692-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FT-PZ459I-20181025

Quant Time: Oct 29 00:52:12 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	230702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	318609	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	290220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186729	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	140800	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
35) Dibromofluoromethane	5.50	113	117963	54.68	ug/l	0.00
Spiked Amount			Recovery	=	109.36%	
50) Toluene-d8	8.71	98	384094	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	11.14	95	129932	44.38	ug/l	0.00
Spiked Amount			Recovery	=	88.76%	

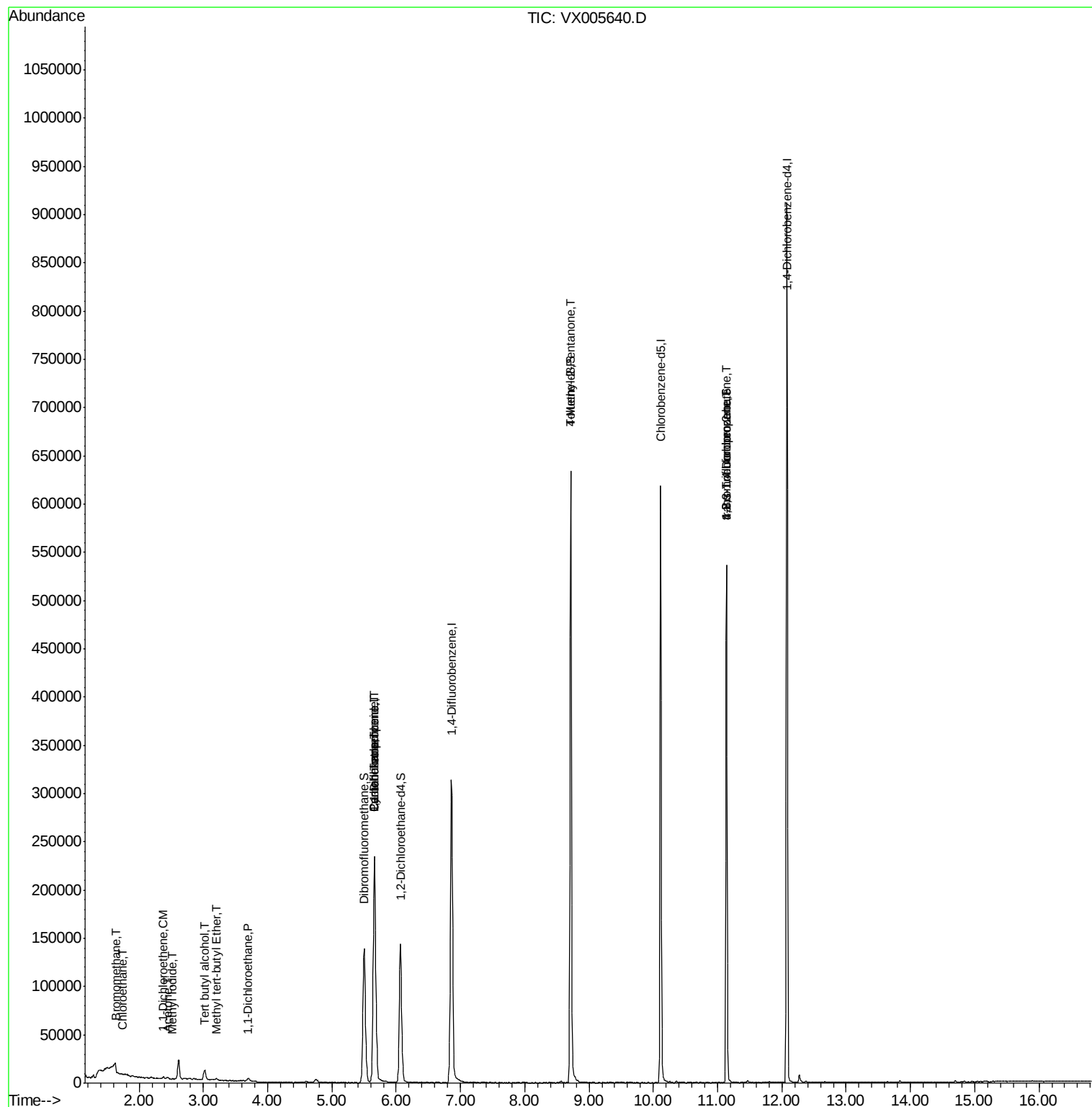
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	400	0.225	ug/l #	31
6) Chloroethane	1.73	64	1145	0.629	ug/l #	42
10) Methyl Iodide	2.51	142	57	2.748	ug/l #	78
11) Tert butyl alcohol	3.02	59	6668	8.799	ug/l #	78
12) 1,1-Dichloroethene	2.37	96	857	0.396	ug/l #	74
16) Acetone	2.45	43	1674	1.125	ug/l	92
18) Methyl Acetate	2.78	43	334	Below Cal	#	24
19) Methyl tert-butyl Ether	3.21	73	1721	0.223	ug/l #	77
24) 1,1-Dichloroethane	3.70	63	3004	0.655	ug/l #	89
31) Cyclohexane	5.67	56	4450	1.172	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15650	5.062	ug/l #	50
38) Carbon Tetrachloride	5.66	117	20189	6.199	ug/l #	15
51) 4-Methyl-2-Pentanone	8.71	43	1836	0.462	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	65197	16.479	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	65197	53.846	ug/l #	9

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

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QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005640.D

Acq: 27 Oct 2018 07:47

Instrument :

MSVOA_X

ClientSampleId :

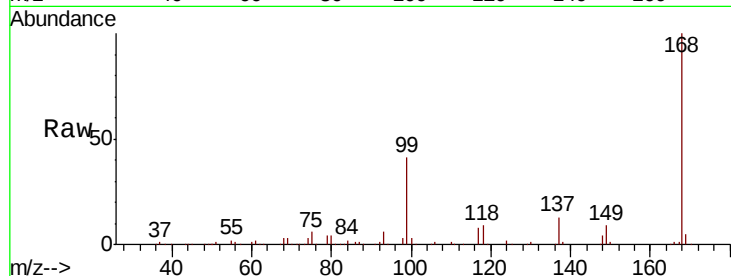
FT-PZ459I-20181025

Tot Ion:168 Resp: 230702

Ion Ratio Lower Upper

168 100

99 40.6 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

100000

80000

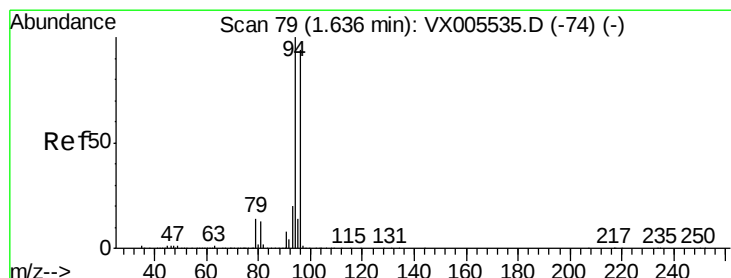
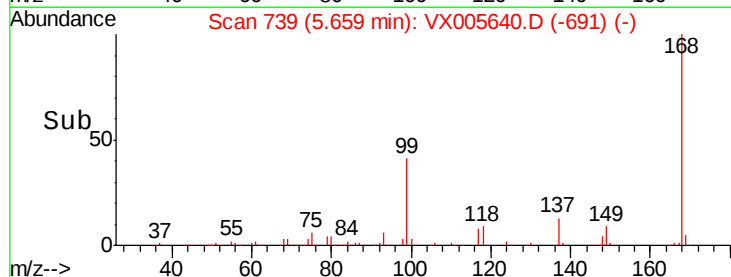
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.225 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005640.D

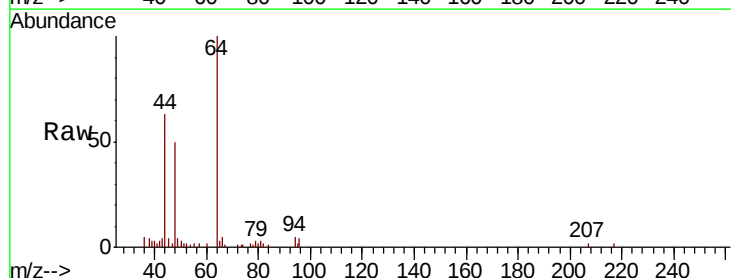
Acq: 27 Oct 2018 07:47

Tgt Ion: 94 Resp: 400

Ion Ratio Lower Upper

94 100

96 27.2 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

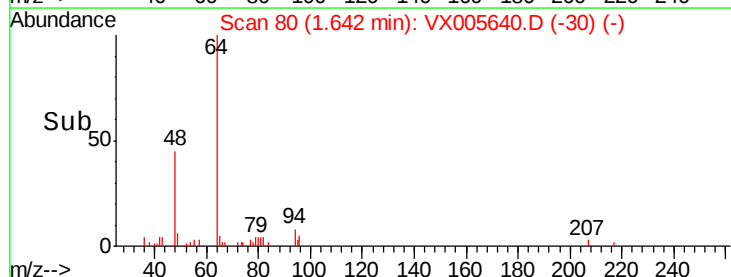
150

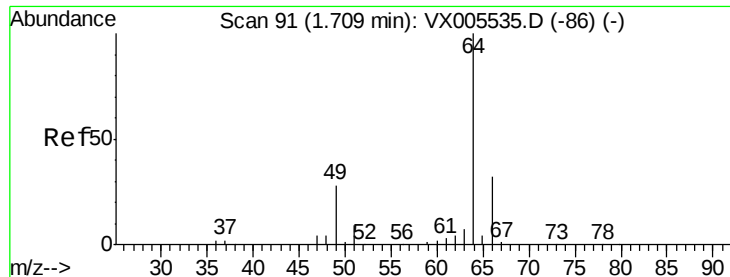
100

50

0

Time-->





#6

Chloroethane

Concen: 0.629 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX005640.D

Acq: 27 Oct 2018 07:47

Instrument :

MSVOA_X

ClientSampleId :

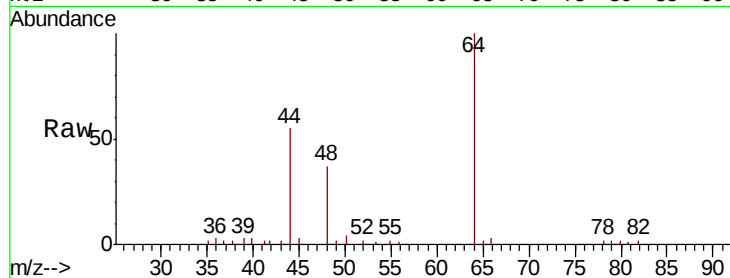
FT-PZ459I-20181025

Tot Ion: 64 Resp: 1145

Ion Ratio Lower Upper

64 100

66 0.0 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX005535.D (-86) (-)

Ion 65.90 (65.60 to 66.60): VX005535.D (-86) (-)

1.73

4000

3000

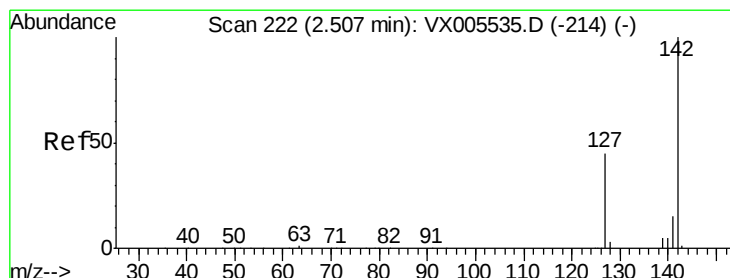
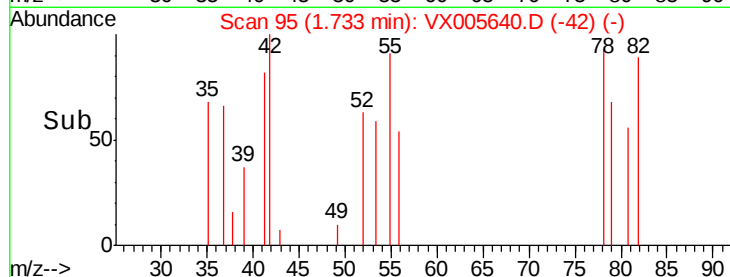
2000

1000

0

1.70 1.72 1.74 1.76

Time-->



#10

Methyl Iodide

Concen: 2.748 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005640.D

Acq: 27 Oct 2018 07:47

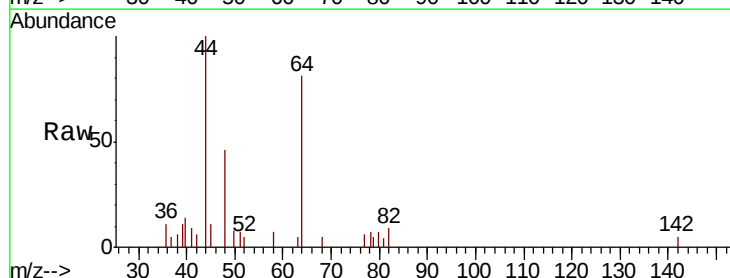
Tgt Ion: 142 Resp: 57

Ion Ratio Lower Upper

142 100

127 33.3 36.0 54.0#

141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): VX005535.D (-214) (-)

Ion 126.80 (126.50 to 127.50): VX005535.D (-214) (-)

Ion 140.80 (140.50 to 141.50): VX005535.D (-214) (-)

2.51

60

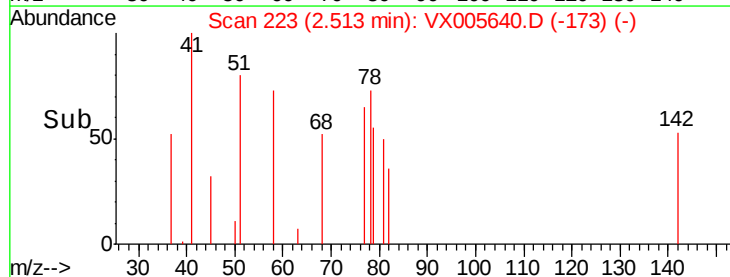
40

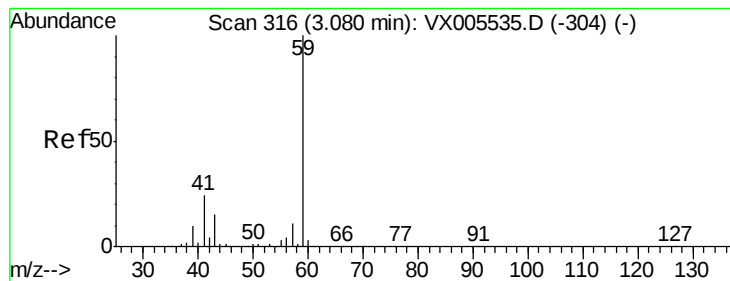
20

0

2.48 2.50 2.52 2.54

Time-->



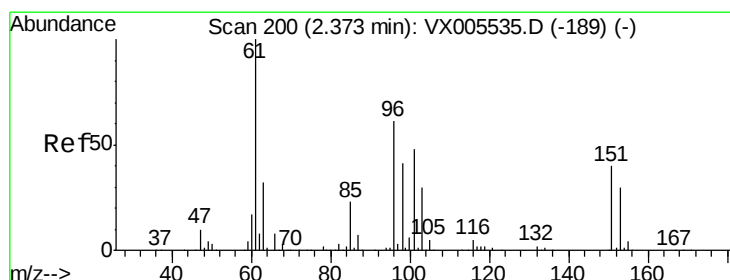
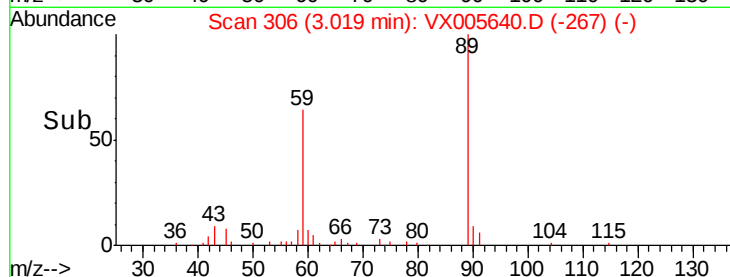
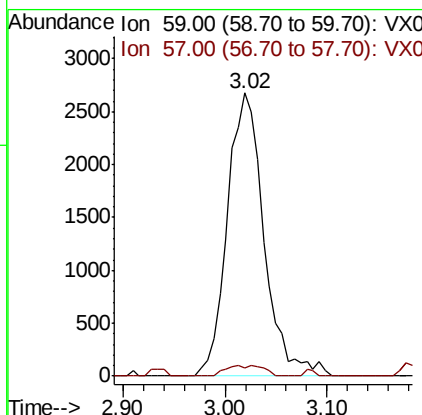
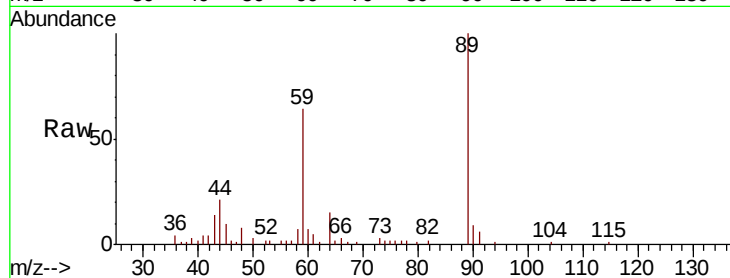


#11

Tert butyl alcohol
 Concen: 8.799 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX005640.D
 Acq: 27 Oct 2018 07:47

Instrument :
 MSVOA_X
 ClientSampleId :
 FT-PZ459I-20181025

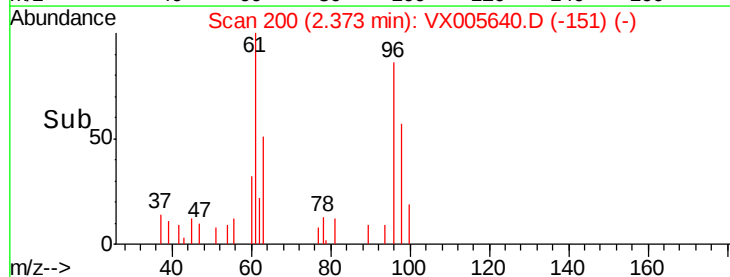
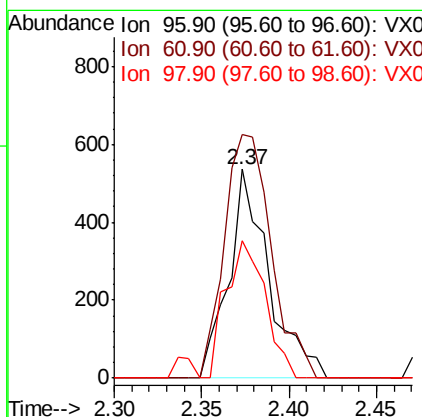
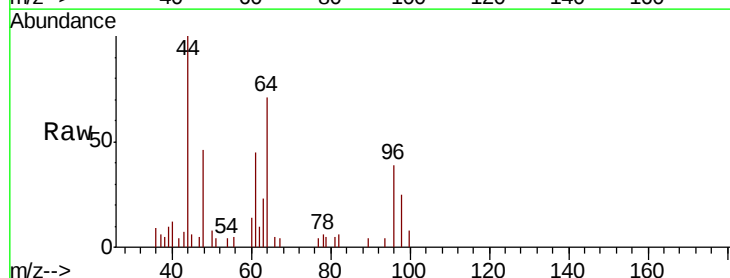
Tot Ion: 59 Resp: 6668
 Ion Ratio Lower Upper
 59 100
 57 2.2 8.5 12.7#

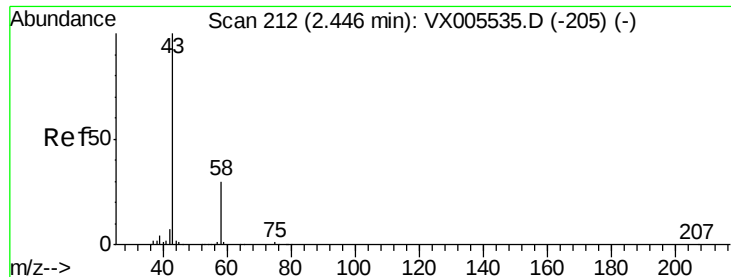


#12

1,1-Dichloroethene
 Concen: 0.396 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005640.D
 Acq: 27 Oct 2018 07:47

Tgt Ion: 96 Resp: 857
 Ion Ratio Lower Upper
 96 100
 61 116.6 131.8 197.8#
 98 66.0 53.4 80.2





#16

Acetone

Concen: 1.125 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005640.D

Acq: 27 Oct 2018 07:47

Instrument :

MSVOA_X

ClientSampleId :

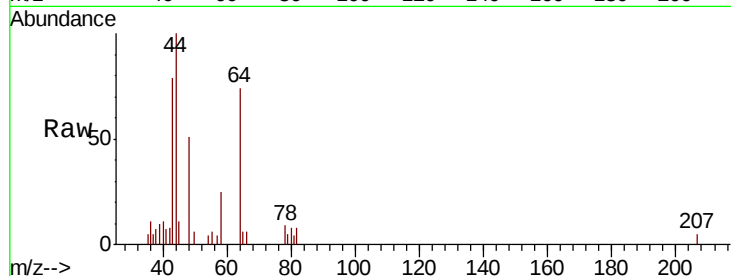
FT-PZ459I-20181025

Tot Ion: 43 Resp: 1674

Ion Ratio Lower Upper

43 100

58 34.0 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1200

1000

800

600

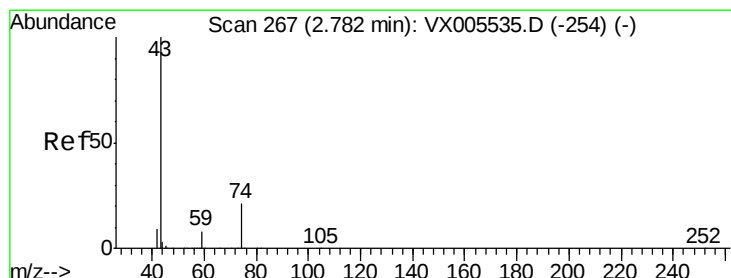
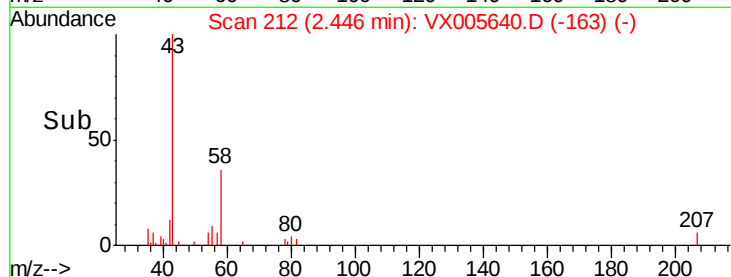
400

200

0

2.40 2.45 2.50

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005640.D

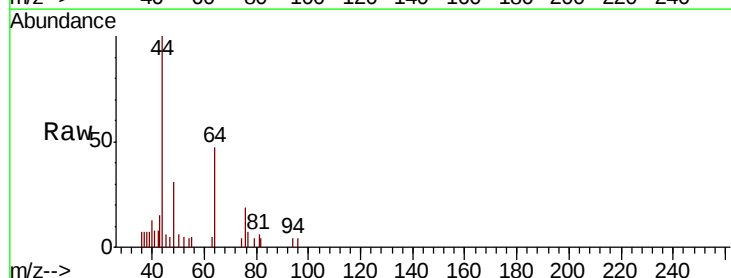
Acq: 27 Oct 2018 07:47

Tgt Ion: 43 Resp: 334

Ion Ratio Lower Upper

43 100

74 56.6 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

250

200

150

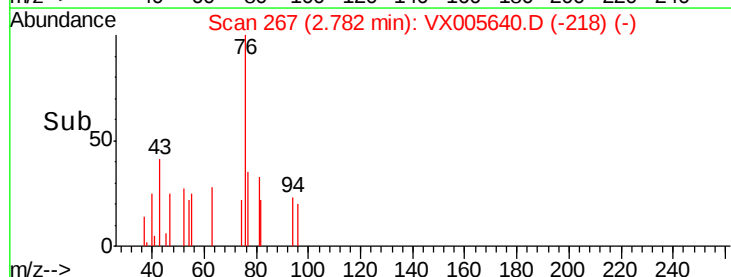
100

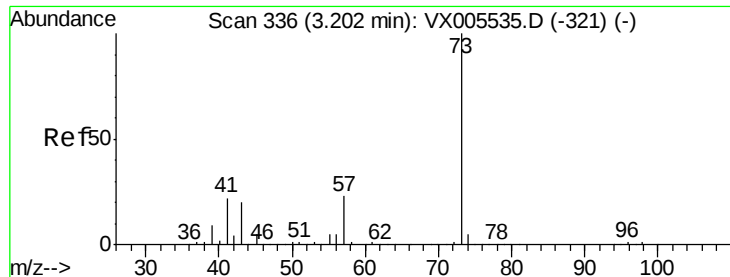
50

0

2.75 2.80

Time-->





#19

Methvl tert-butvl Ether

Concen: 0.223 ug/l

RT: 3.21 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX005640.D

Acq: 27 Oct 2018 07:47

Instrument :

MSVOA_X

ClientSampleId :

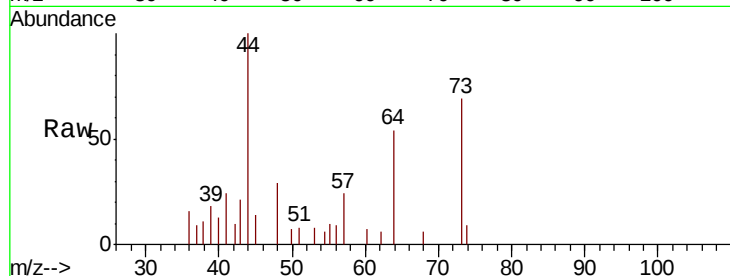
FT-PZ459I-20181025

Tot Ion: 73 Resp: 1721

Ion Ratio Lower Upper

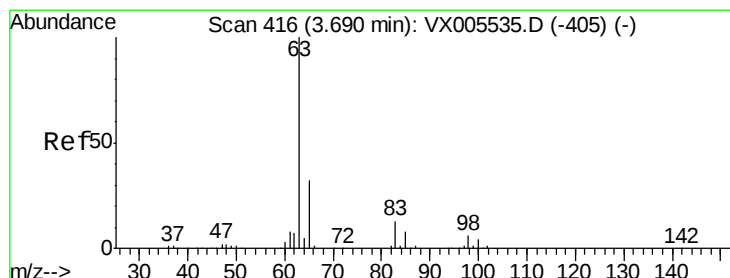
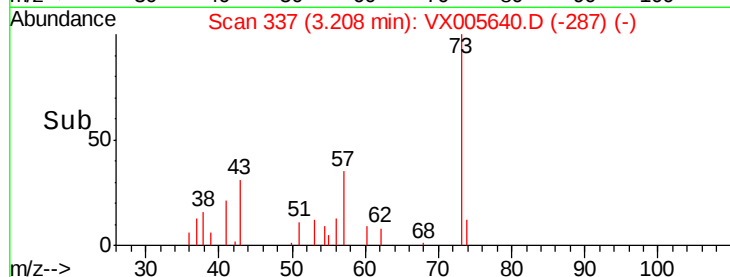
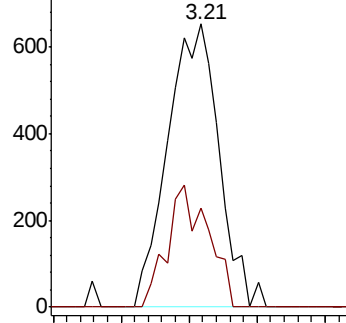
73 100

57 34.9 18.8 28.2#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#24

1,1-Dichloroethane

Concen: 0.655 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX005640.D

Acq: 27 Oct 2018 07:47

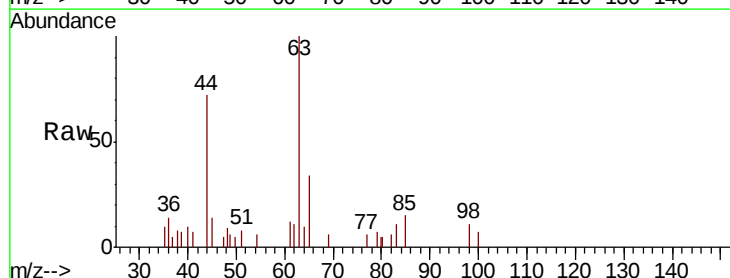
Tgt Ion: 63 Resp: 3004

Ion Ratio Lower Upper

63 100

98 10.9 3.2 9.6#

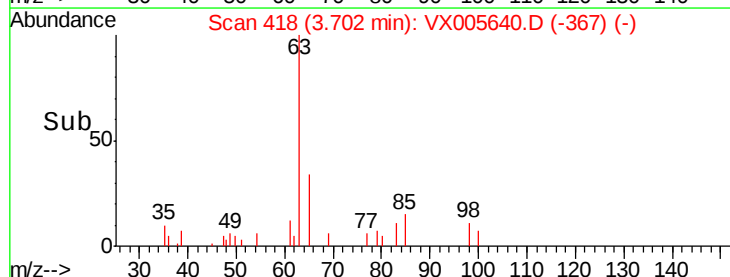
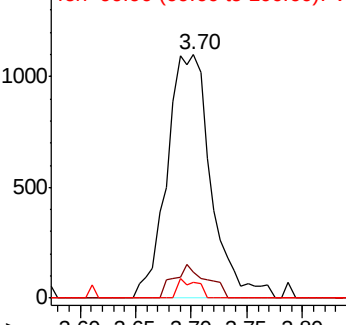
100 6.6 2.1 6.2#

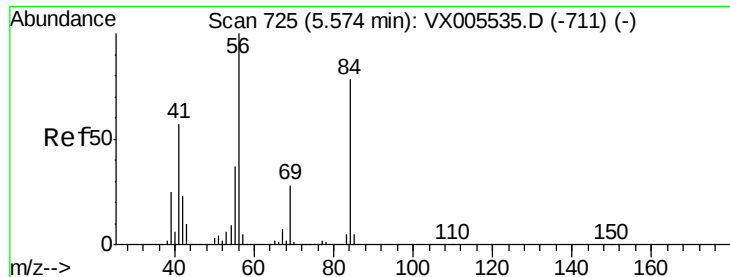


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

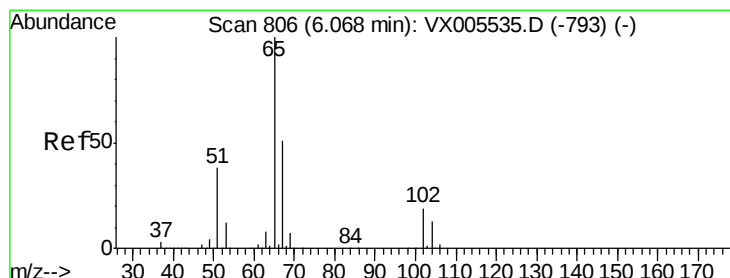
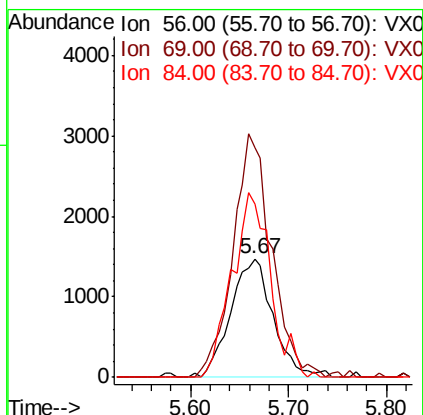
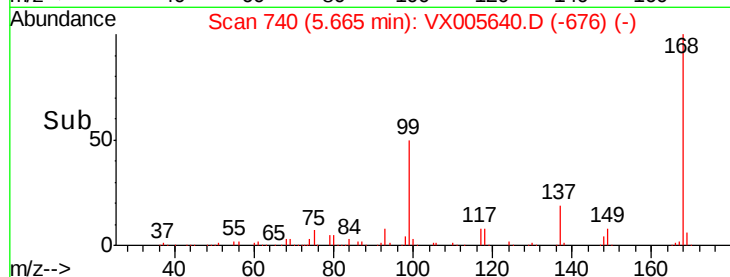
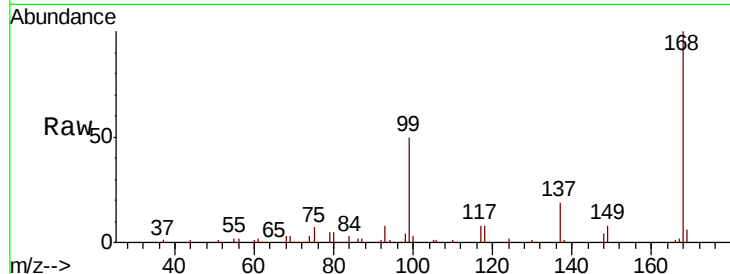




#31
Cyclohexane
Concen: 1.172 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

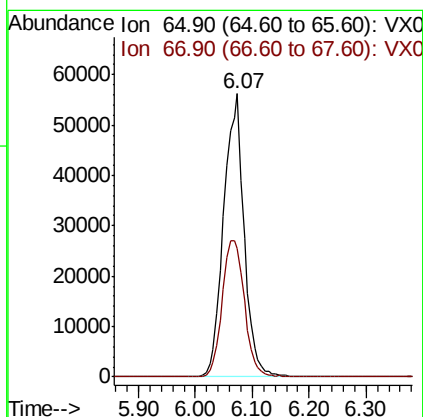
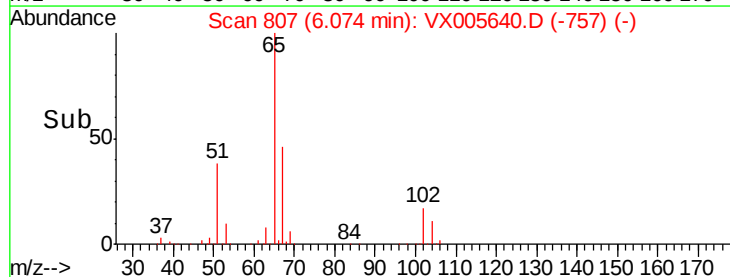
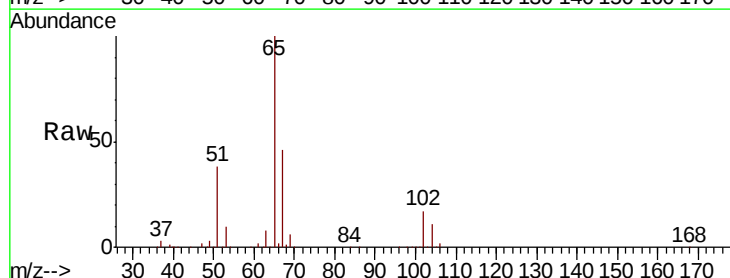
Instrument :
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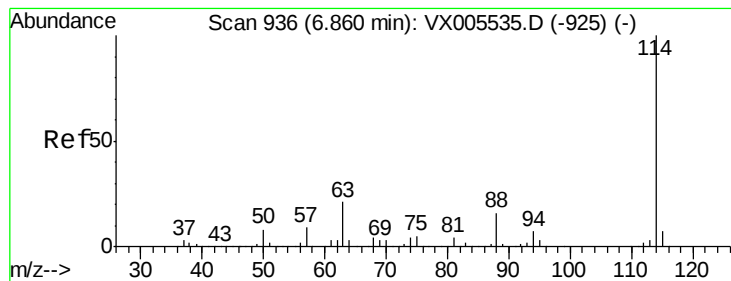
Tot Ion: 56 Resp: 4450
Ion Ratio Lower Upper
56 100
69 193.4 22.6 34.0#
84 146.5 62.7 94.1#



#33
1,2-Dichloroethane-d4
Concen: 49.997 ug/l
RT: 6.07 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX005640.D
Acq: 27 Oct 2018 07:47

Tgt Ion: 65 Resp: 140800
Ion Ratio Lower Upper
65 100
67 52.6 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: VX005640.D

Acq: 27 Oct 2018 07:47

Instrument :

MSVOA_X

ClientSampleId :

FT-PZ459I-20181025

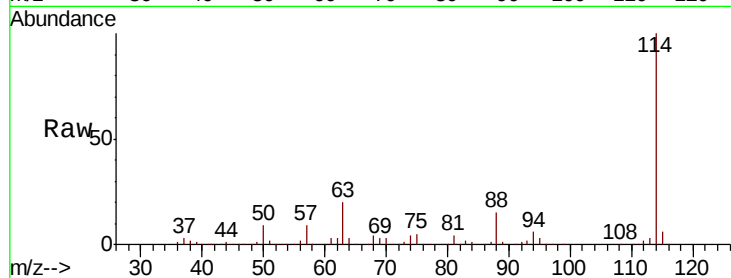
Tot Ion:114 Resp: 318609

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.8

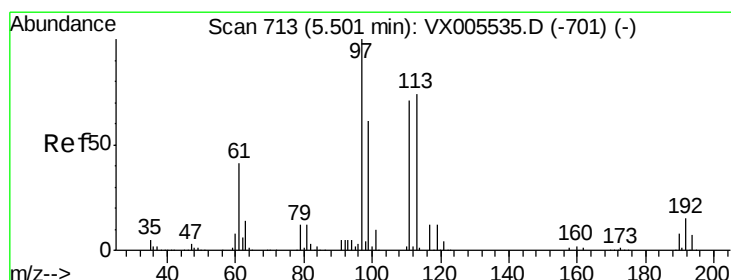
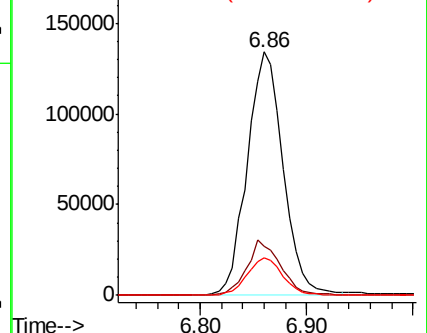
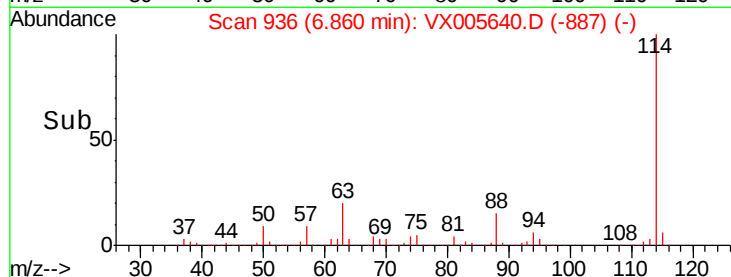
88 15.4 0.0 31.2



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: 54.680 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005640.D

Acq: 27 Oct 2018 07:47

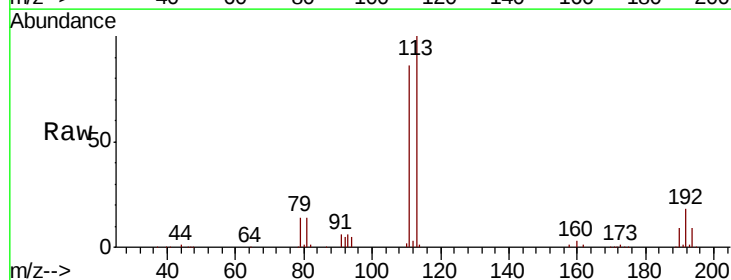
Tgt Ion:113 Resp: 117963

Ion Ratio Lower Upper

113 100

111 98.9 82.3 123.5

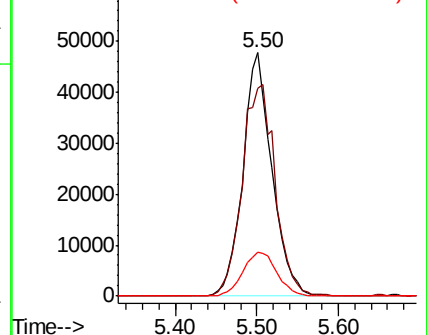
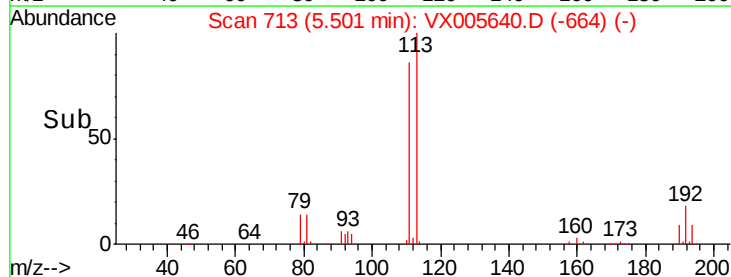
192 21.4 17.9 26.9

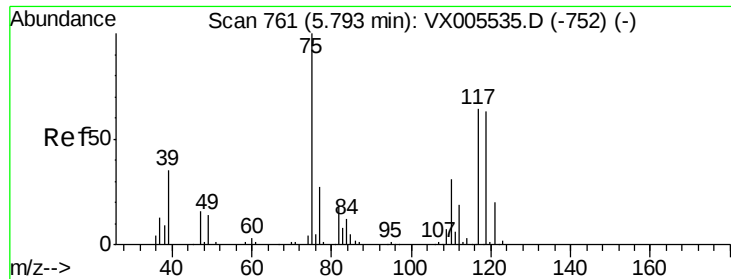


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

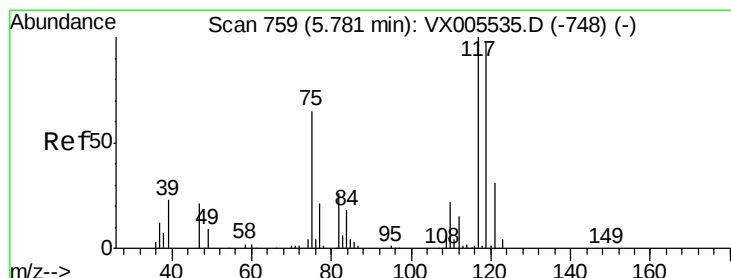
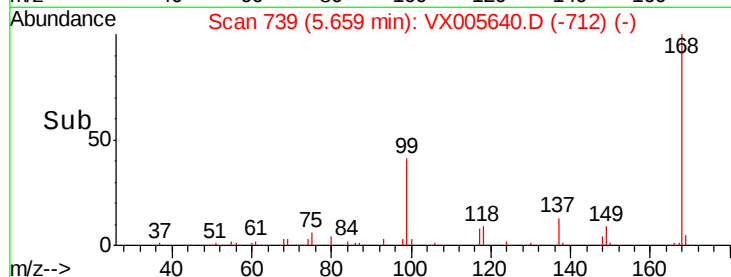
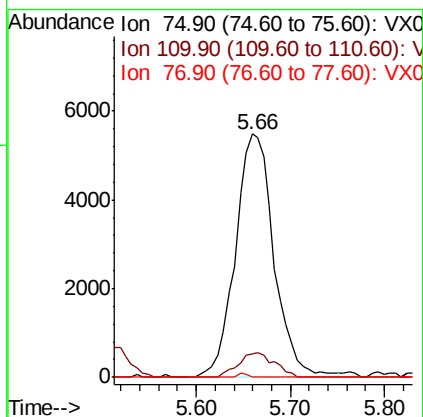
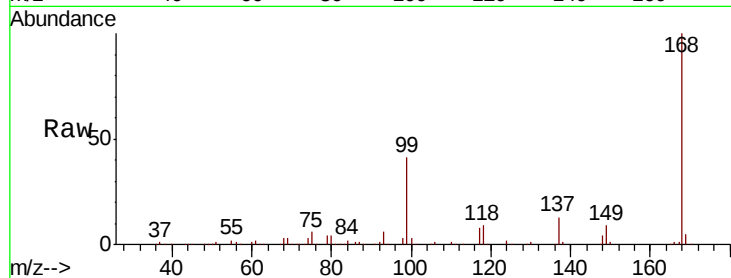




#36
 1,1-Dichloropropene
 Concen: 5.062 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX005640.D
 Acq: 27 Oct 2018 07:47

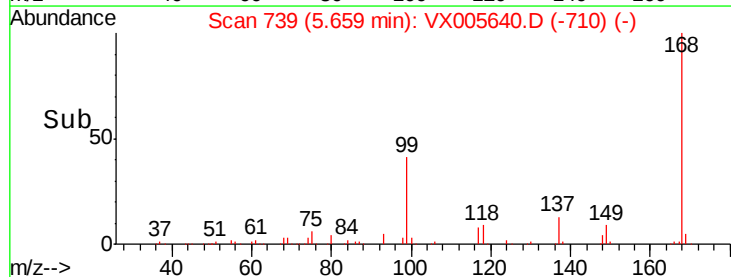
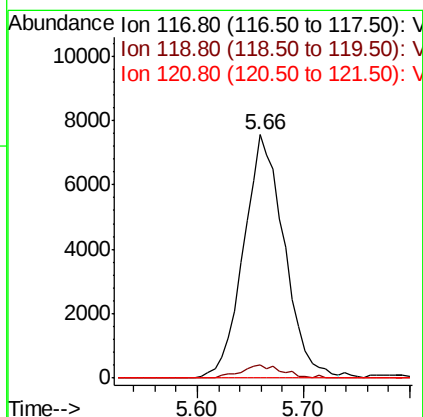
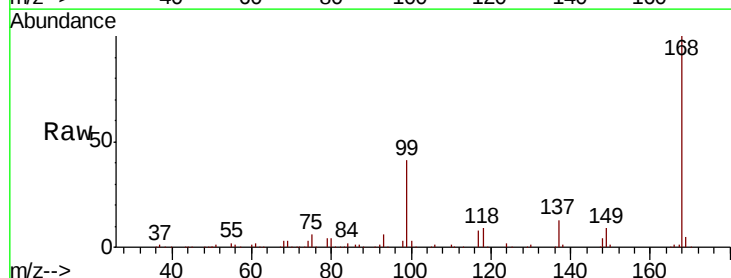
Instrument :
 MSVOA_X
 ClientSampleId :
 FT-PZ459I-20181025

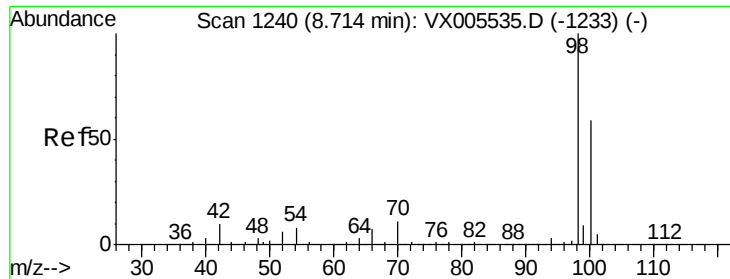
Tot Ion	75	Resp	15650
Ion Ratio	100	Lower	Upper
75	100		
110	9.4	17.4	52.2#
77	0.4	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 6.199 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX005640.D
 Acq: 27 Oct 2018 07:47

Tgt Ion	117	Resp	20189
Ion Ratio	100	Lower	Upper
117	100		
119	5.3	78.1	117.1#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 49.549 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005640.D

Acq: 27 Oct 2018 07:47

Instrument :

MSVOA_X

ClientSampleId :

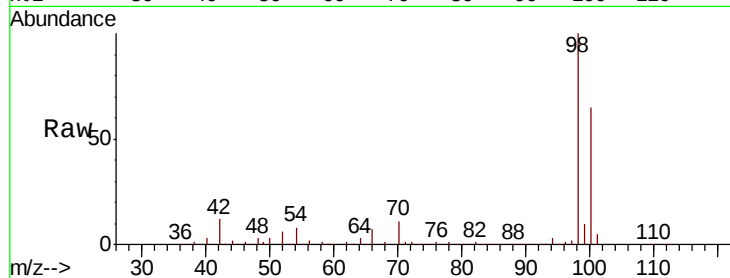
FT-PZ459I-20181025

Tot Ion: 98 Resp: 384094

Ion Ratio Lower Upper

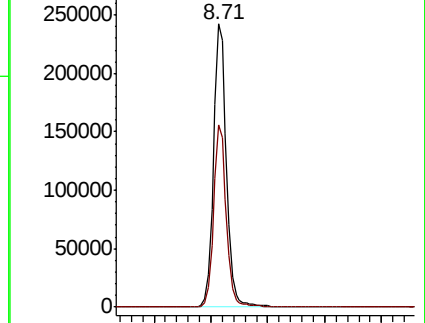
98 100

100 63.2 51.3 76.9

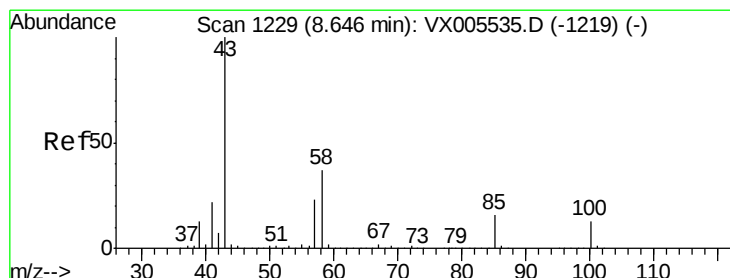
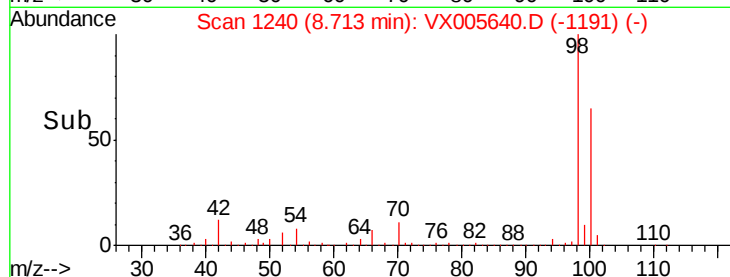


Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.462 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.07 min

Lab File: VX005640.D

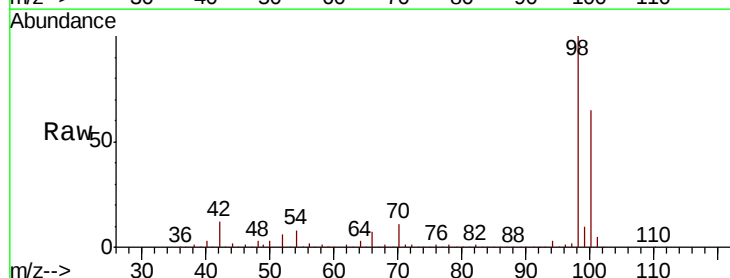
Acq: 27 Oct 2018 07:47

Tgt Ion: 43 Resp: 1836

Ion Ratio Lower Upper

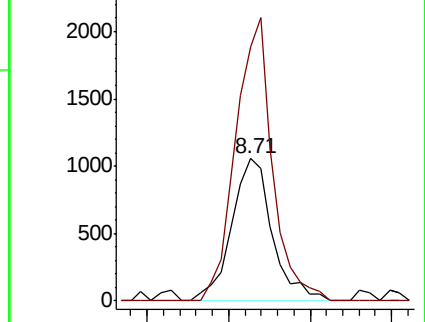
43 100

58 180.0 29.7 44.5#

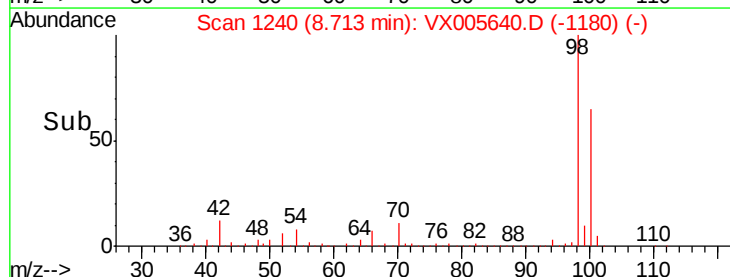


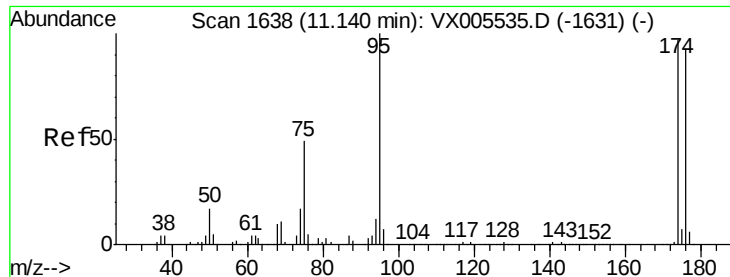
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#62

4-Bromofluorobenzene

Concen: 44.384 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005640.D

Acq: 27 Oct 2018 07:47

Instrument :

MSVOA_X

ClientSampleId :

FT-PZ459I-20181025

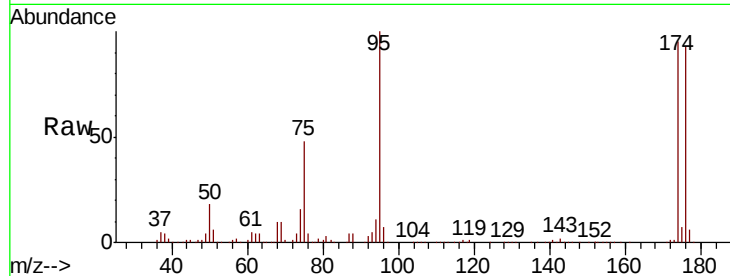
Tot Ion: 95 Resp: 129932

Ion Ratio Lower Upper

95 100

174 93.6 0.0 184.4

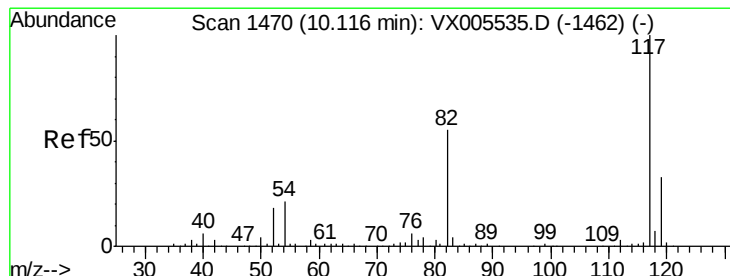
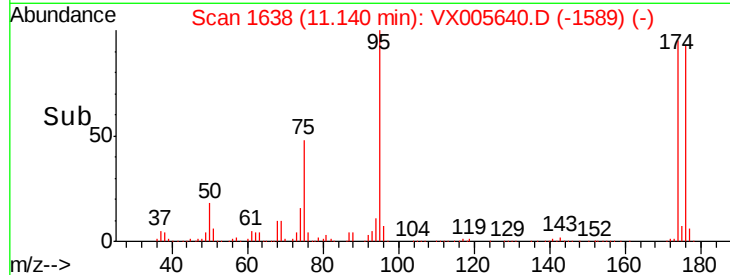
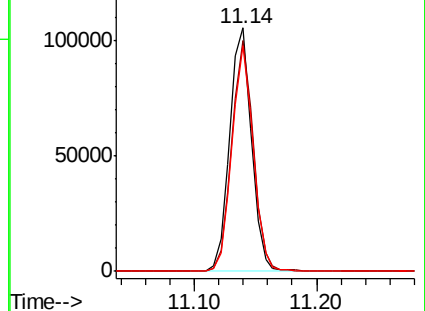
176 90.0 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX005535.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005535.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005535.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005640.D

Acq: 27 Oct 2018 07:47

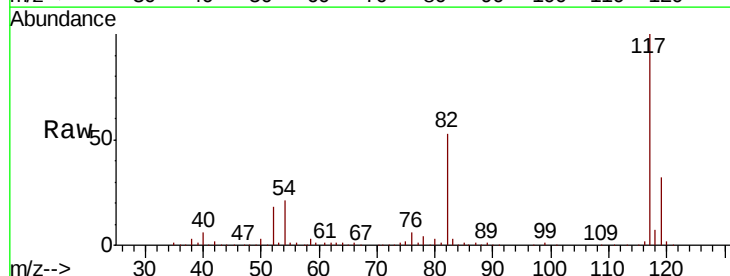
Tgt Ion: 117 Resp: 290220

Ion Ratio Lower Upper

117 100

82 53.0 44.1 66.1

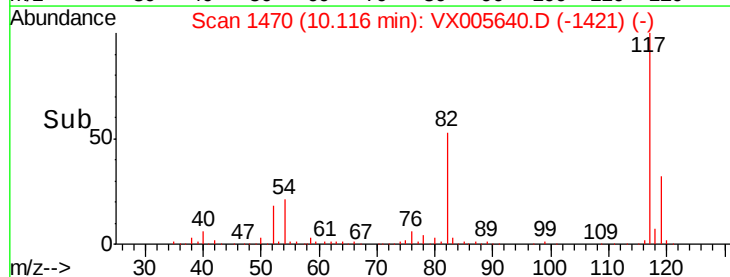
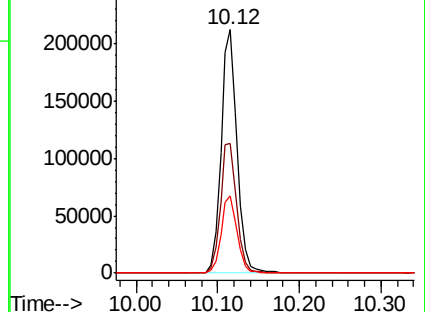
119 31.8 26.2 39.2

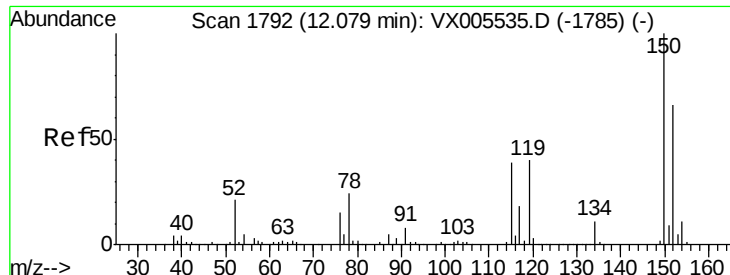


Abundance Ion 116.90 (116.60 to 117.60): VX005535.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005535.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005535.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005640.D

Acq: 27 Oct 2018 07:47

Instrument :

MSVOA_X

ClientSampleId :

FT-PZ459I-20181025

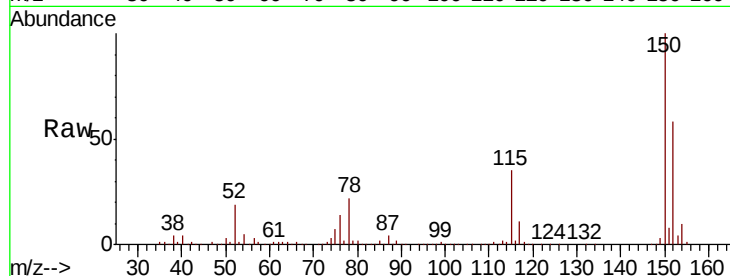
Tot Ion:152 Resp: 186729

Ion Ratio Lower Upper

152 100

115 54.2 39.4 118.1

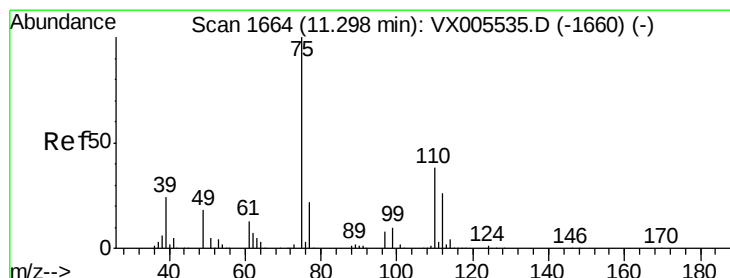
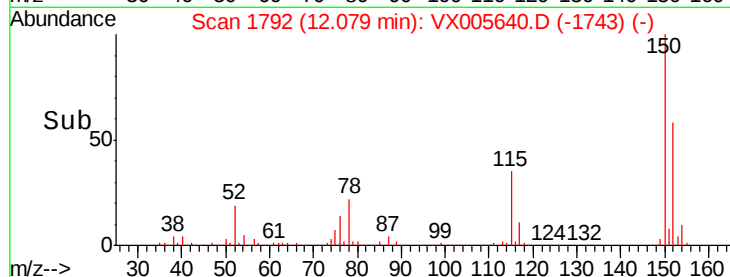
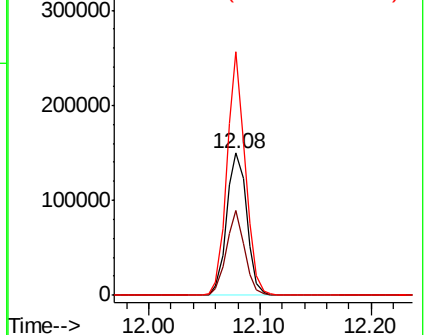
150 154.8 0.0 346.4



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: 16.479 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005640.D

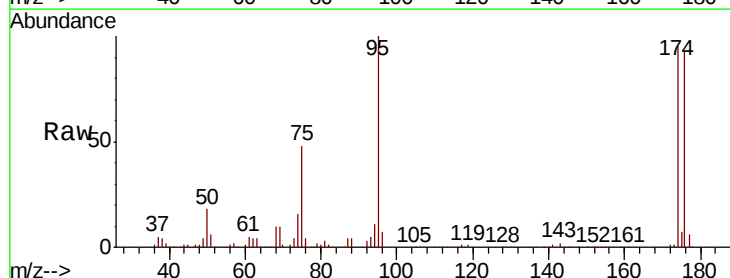
Acq: 27 Oct 2018 07:47

Tgt Ion: 75 Resp: 65197

Ion Ratio Lower Upper

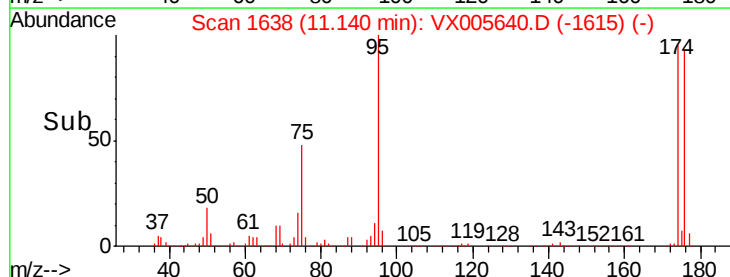
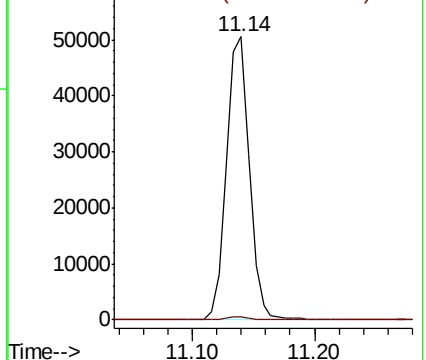
75 100

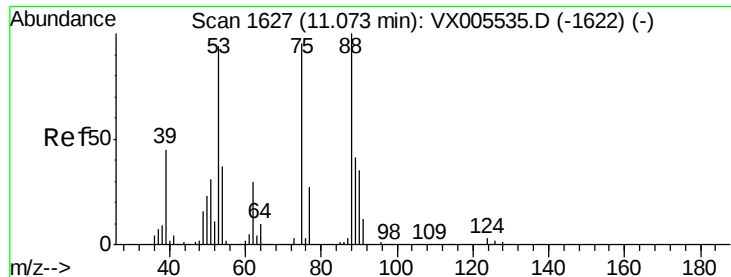
77 1.3 20.5 61.6#



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: 53.846 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005640.D

Acq: 27 Oct 2018 07:47

Instrument :

MSVOA_X

ClientSampleId :

FT-PZ459I-20181025

Tot Ion: 75 Resp: 65197

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.2#

89 0.0 39.8 59.8#

