

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102918\
 Data File : VX005661.D
 Acq On : 29 Oct 2018 15:38
 Operator : JC/MD
 Sample : J5692-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FT-PZ456I-20181025

Quant Time: Oct 30 01:59:26 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	5.67	168	224531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	329375	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	290083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179363	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	138993	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
35) Dibromofluoromethane	5.51	113	109562	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
50) Toluene-d8	8.71	98	383711	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
62) 4-Bromofluorobenzene	11.14	95	130360	43.07	ug/l	0.00
Spiked Amount			Recovery	=	86.14%	

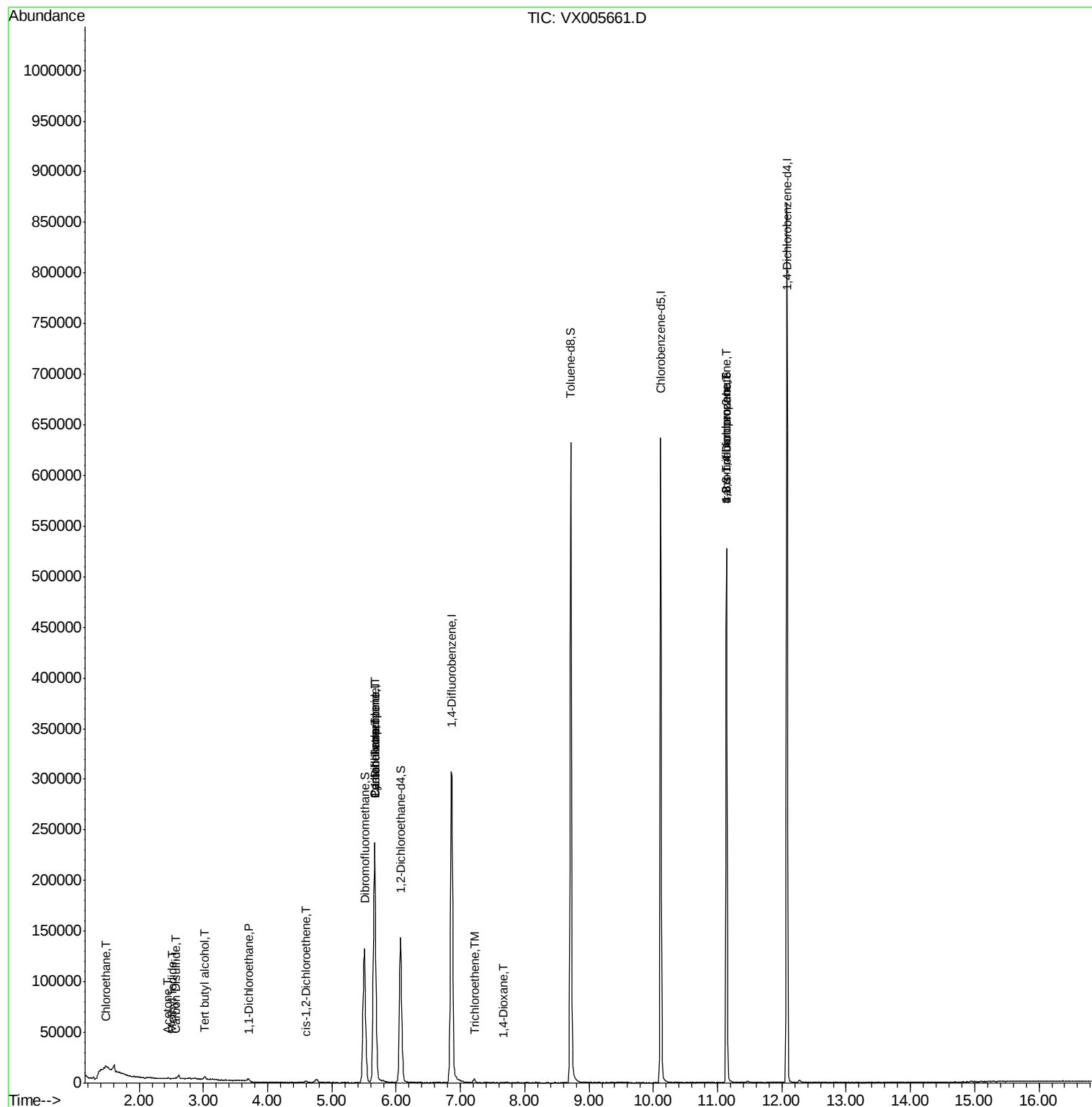
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.48	64	4616	2.604	ug/l #	53
10) Methyl Iodide	2.51	142	352	2.869	ug/l #	84
11) Tert butyl alcohol	3.02	59	1835	2.488	ug/l #	78
16) Acetone	2.44	43	940	0.649	ug/l #	83
17) Carbon Disulfide	2.57	76	1316	0.205	ug/l #	87
18) Methyl Acetate	2.79	43	369	Below Cal	#	67
24) 1,1-Dichloroethane	3.70	63	2035	0.456	ug/l #	86
27) cis-1,2-Dichloroethene	4.60	96	741	0.299	ug/l	52
31) Cyclohexane	5.67	56	4503	1.219	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15348	4.802	ug/l #	50
38) Carbon Tetrachloride	5.66	117	20149	5.985	ug/l #	16
44) Trichloroethene	7.22	130	1432	0.574	ug/l	98
49) 1,4-Dioxane	7.67	88	21	0.323	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	64562	16.989	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	64562	55.511	ug/l #	9

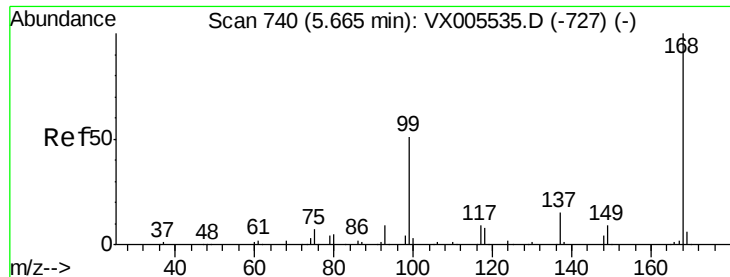
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005661.D

Acq: 29 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

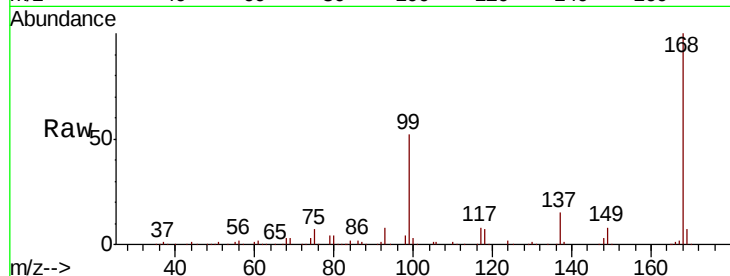
FT-PZ456I-20181025

Tot Ion:168 Resp: 224531

Ion Ratio Lower Upper

168 100

99 52.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

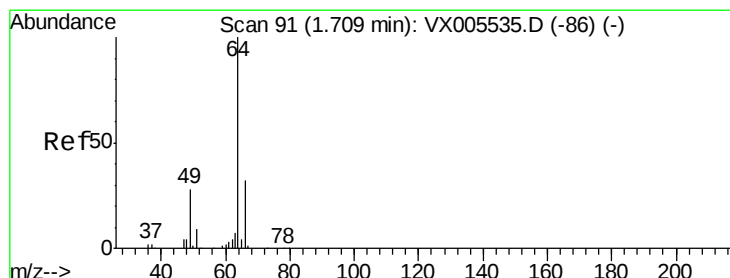
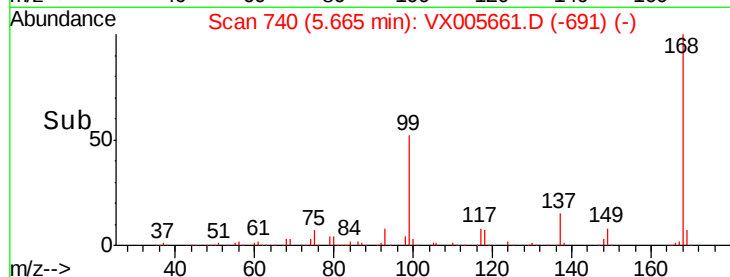
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 2.604 ug/l

RT: 1.48 min Scan# 53

Delta R.T. -0.23 min

Lab File: VX005661.D

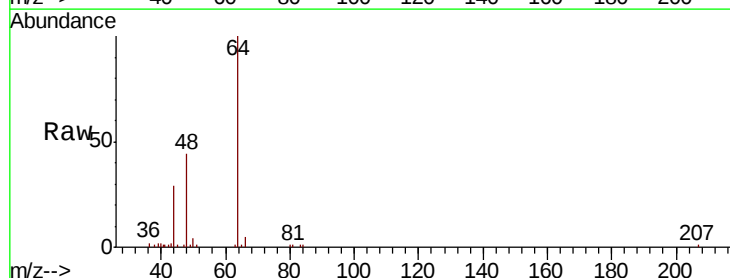
Acq: 29 Oct 2018 15:38

Tgt Ion: 64 Resp: 4616

Ion Ratio Lower Upper

64 100

66 5.8 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.48

10000

8000

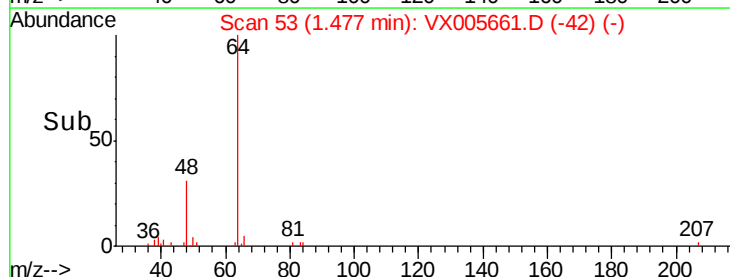
6000

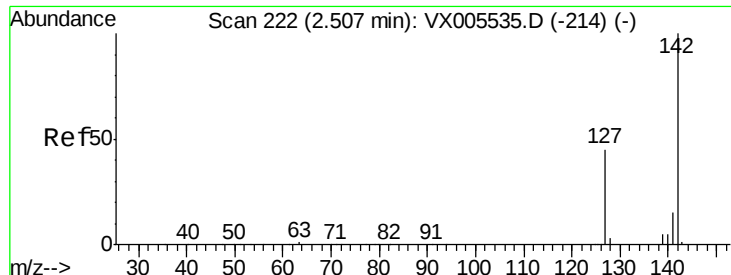
4000

2000

0

Time--> 1.42 1.44 1.46 1.48 1.50

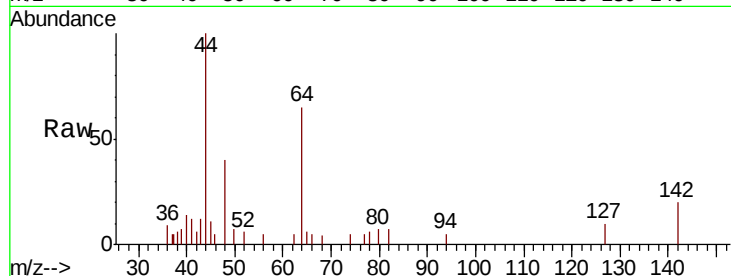




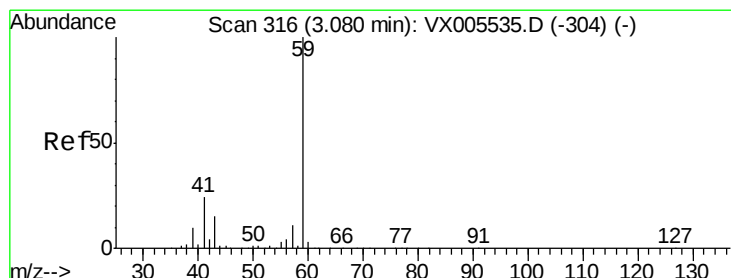
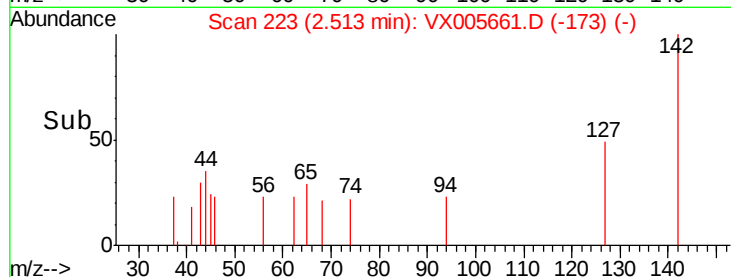
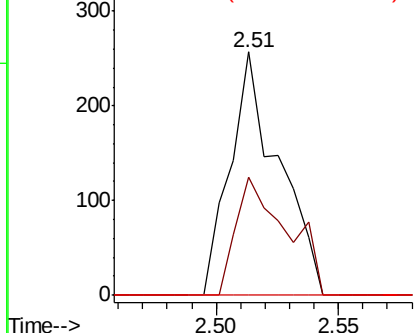
#10
Methyl Iodide
Concen: 2.869 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX005661.D
Acq: 29 Oct 2018 15:38

Instrument :
MSVOA_X
ClientSampleId :
FT-PZ456I-20181025

Tot Ion:142 Resp: 352
Ion Ratio Lower Upper
142 100
127 51.1 36.0 54.0
141 0.0 11.7 17.5#

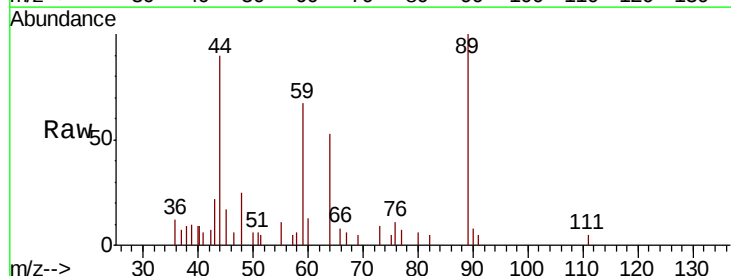


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

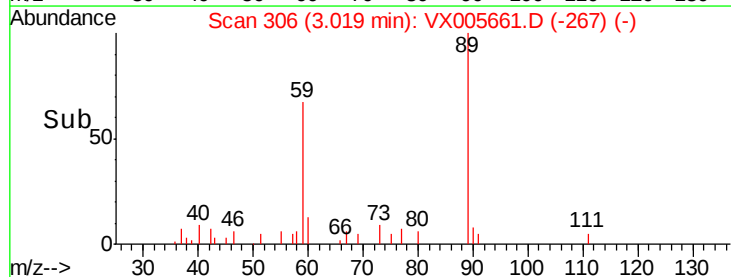
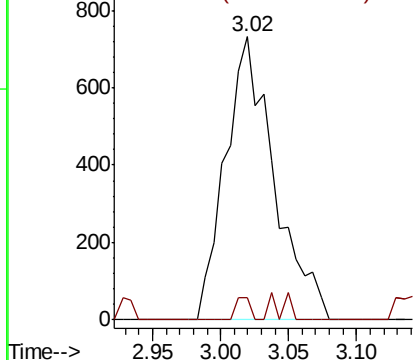


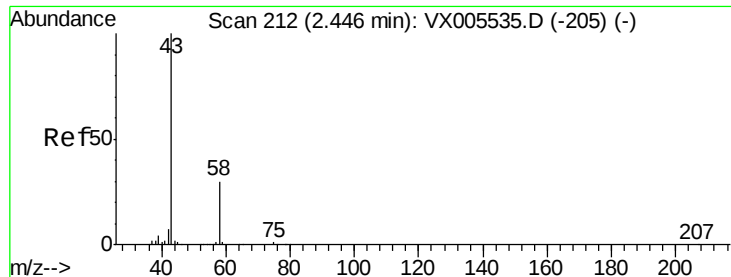
#11
Tert butyl alcohol
Concen: 2.488 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005661.D
Acq: 29 Oct 2018 15:38

Tgt Ion: 59 Resp: 1835
Ion Ratio Lower Upper
59 100
57 2.3 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 0.649 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005661.D

Acq: 29 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

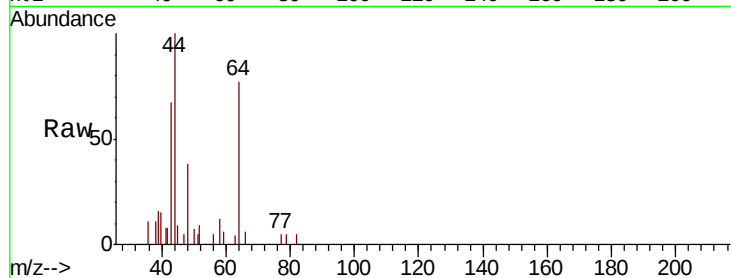
FT-PZ456I-20181025

Tot Ion: 43 Resp: 940

Ion Ratio Lower Upper

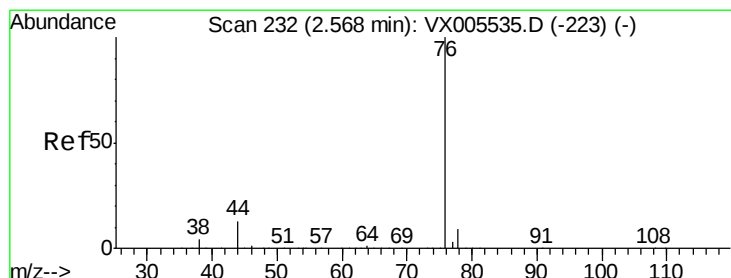
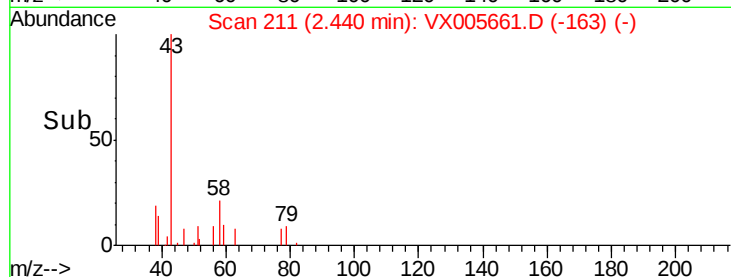
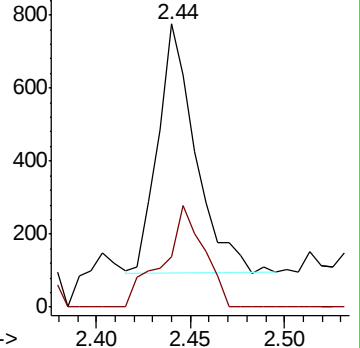
43 100

58 20.4 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.205 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX005661.D

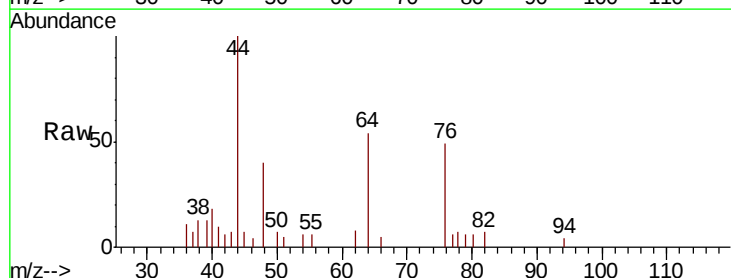
Acq: 29 Oct 2018 15:38

Tgt Ion: 76 Resp: 1316

Ion Ratio Lower Upper

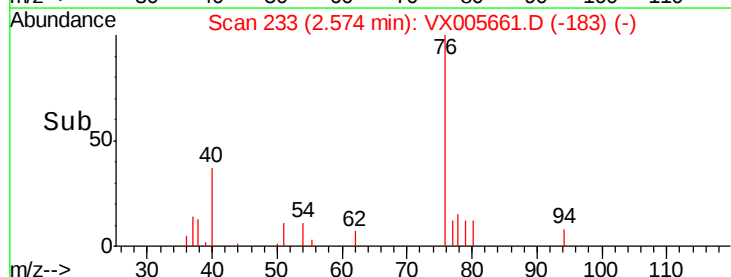
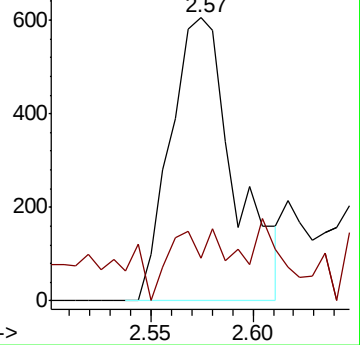
76 100

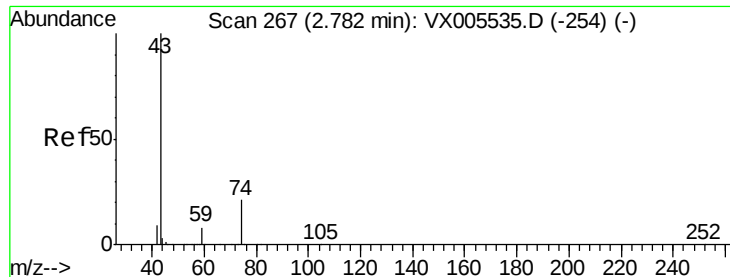
78 4.5 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

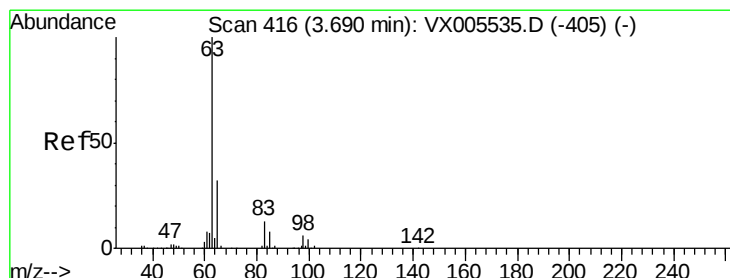
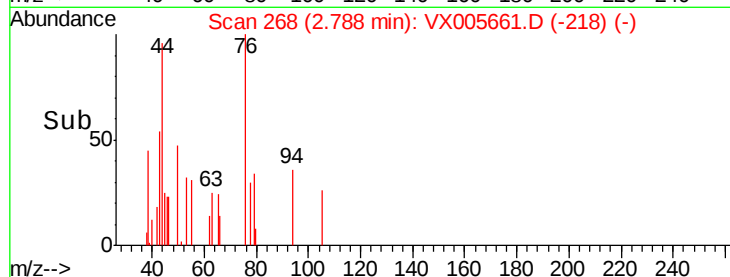
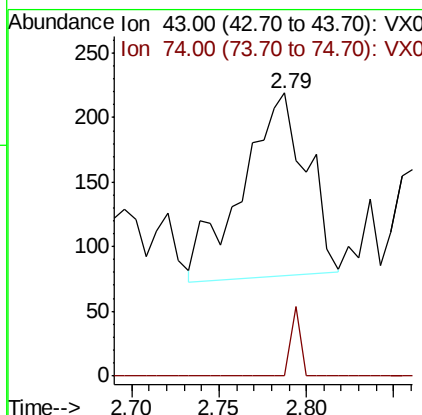
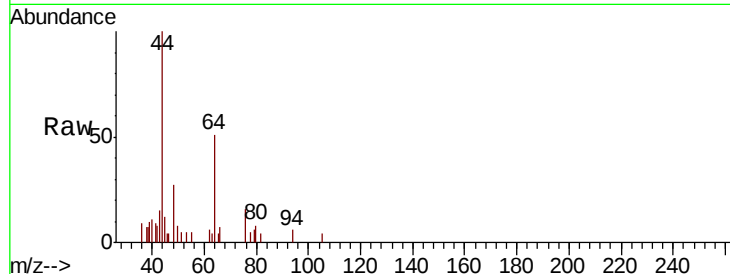




#18
Methvl Acetate
Concen: Below Cal
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX005661.D
Acq: 29 Oct 2018 15:38

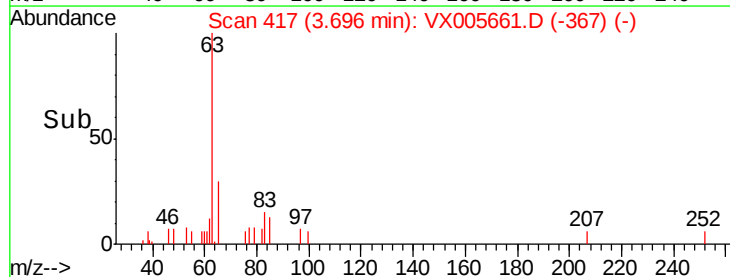
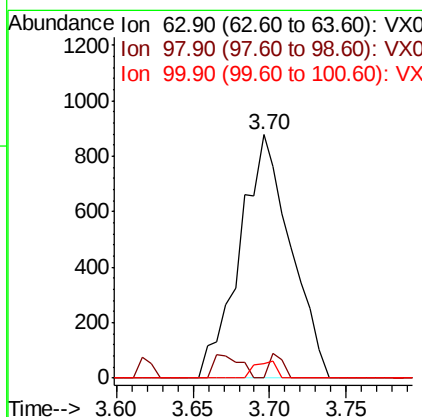
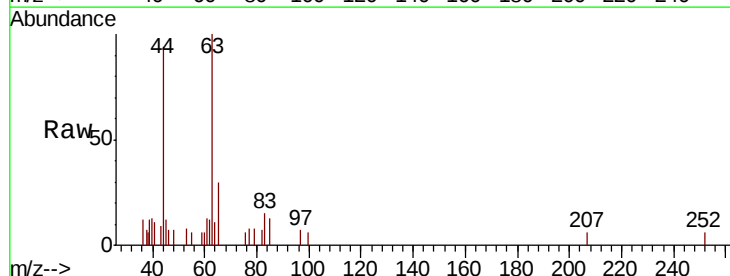
Instrument :
MSVOA_X
ClientSampleId :
FT-PZ456I-20181025

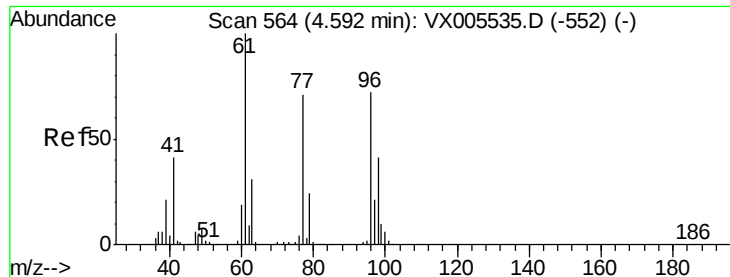
Tot Ion: 43 Resp: 369
Ion Ratio Lower Upper
43 100
74 5.4 16.8 25.2#



#24
1,1-Dichloroethane
Concen: 0.456 ug/l
RT: 3.70 min Scan# 417
Delta R.T. 0.01 min
Lab File: VX005661.D
Acq: 29 Oct 2018 15:38

Tgt Ion: 63 Resp: 2035
Ion Ratio Lower Upper
63 100
98 0.0 3.2 9.6#
100 5.9 2.1 6.2



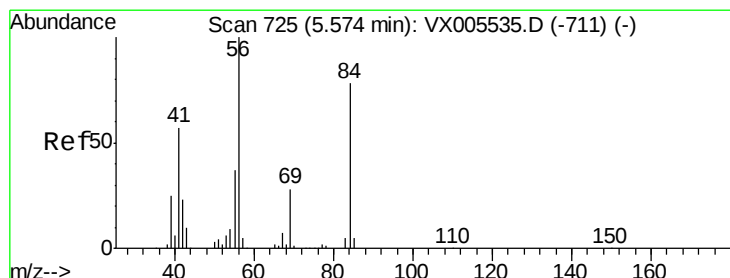
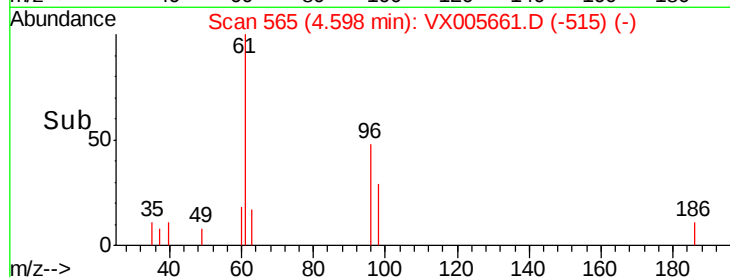
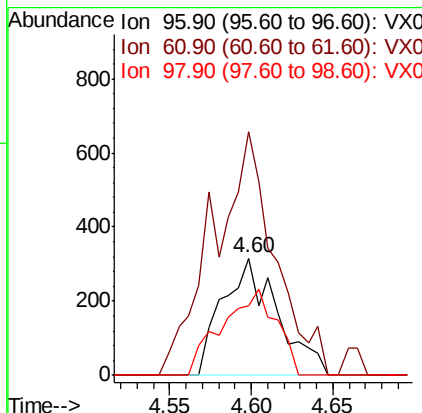
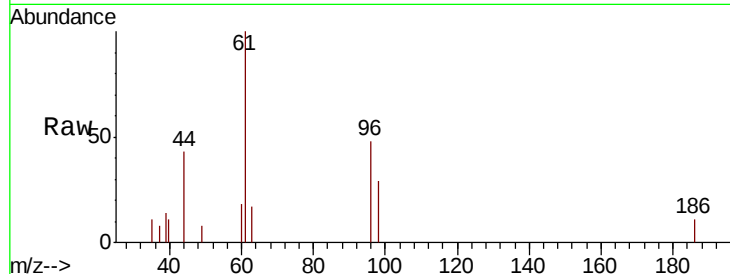


#27

cis-1,2-Dichloroethene
 Concen: 0.299 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX005661.D
 Acq: 29 Oct 2018 15:38

Instrument :
 MSVOA_X
 ClientSampleId :
 FT-PZ456I-20181025

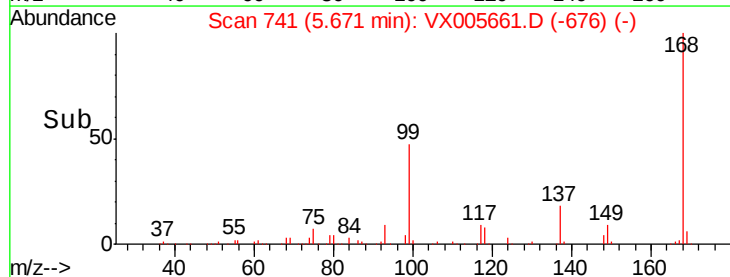
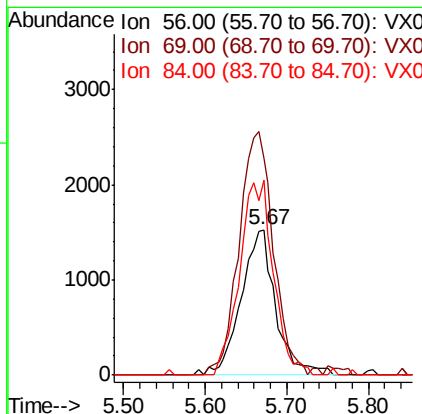
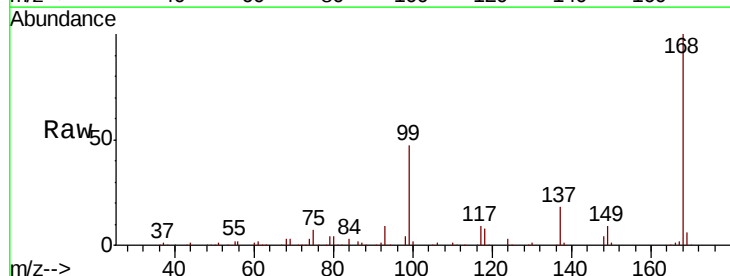
Tot Ion: 96 Resp: 741
 Ion Ratio Lower Upper
 96 100
 61 232.5 0.0 304.6
 98 72.6 0.0 127.4

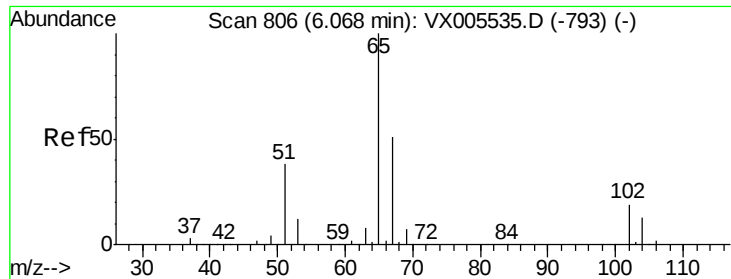


#31

Cyclohexane
 Concen: 1.219 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. 0.10 min
 Lab File: VX005661.D
 Acq: 29 Oct 2018 15:38

Tgt Ion: 56 Resp: 4503
 Ion Ratio Lower Upper
 56 100
 69 149.0 22.6 34.0#
 84 134.1 62.7 94.1#





#33

1,2-Dichloroethane-d4

Concen: 50.712 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005661.D

Acq: 29 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

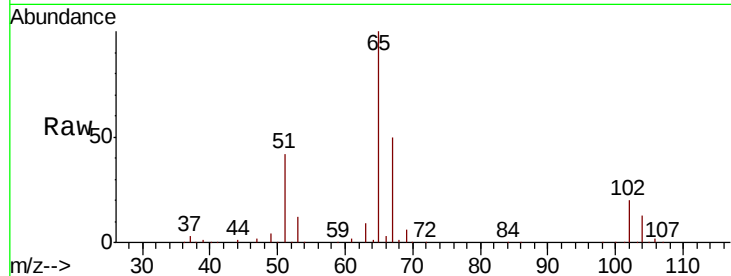
FT-PZ456I-20181025

Tot Ion: 65 Resp: 138993

Ion Ratio Lower Upper

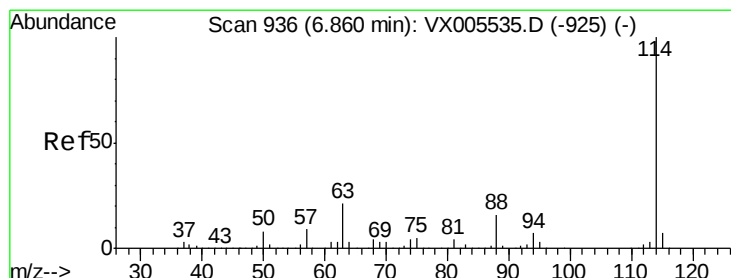
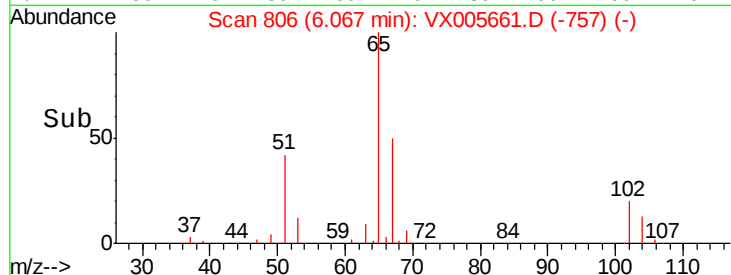
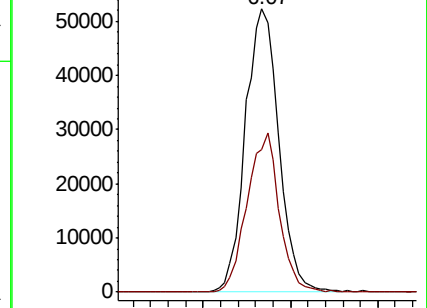
65 100

67 54.2 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX005661.D

Acq: 29 Oct 2018 15:38

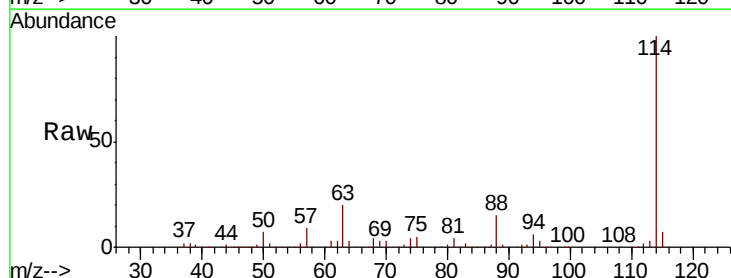
Tgt Ion: 114 Resp: 329375

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.8

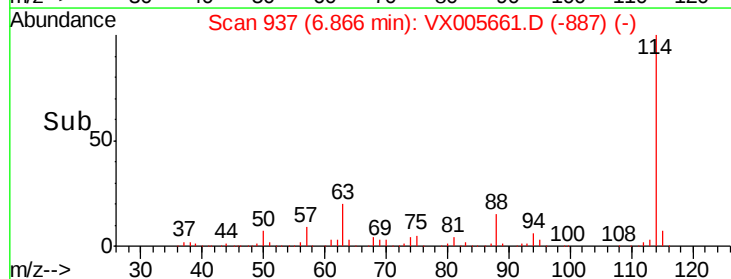
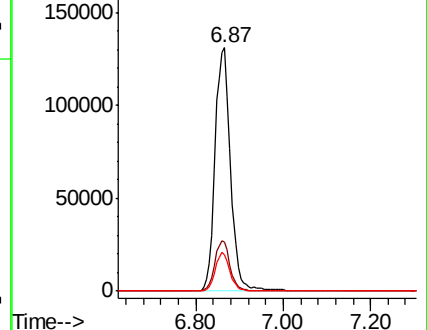
88 14.8 0.0 31.2

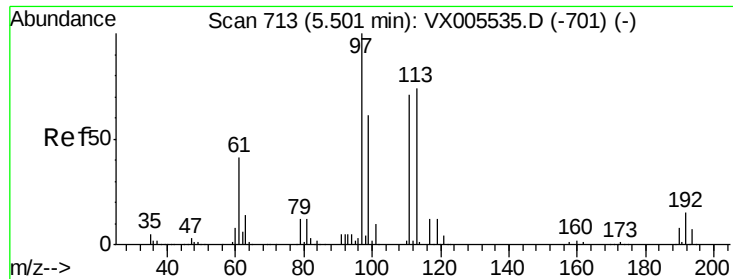


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

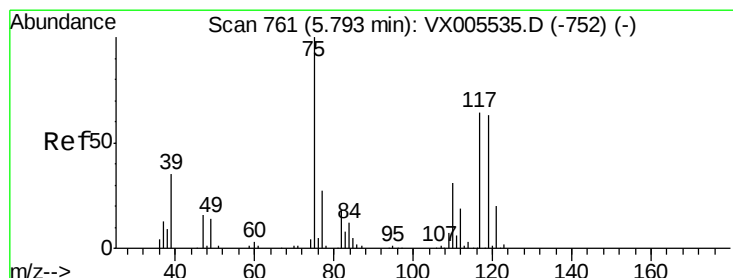
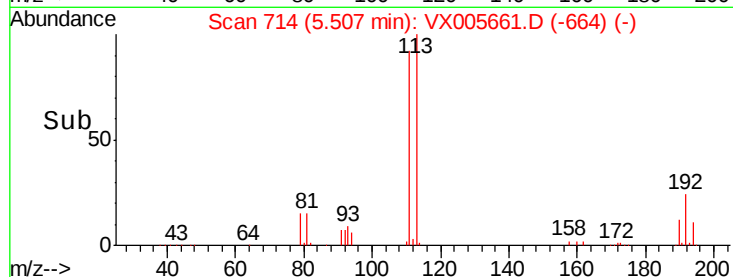
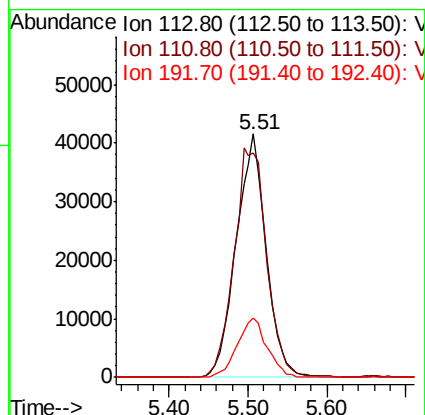
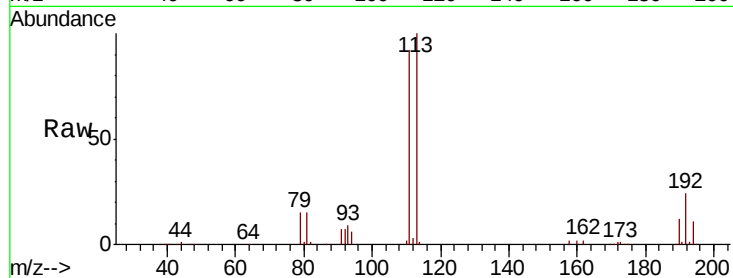




#35
 Dibromofluoromethane
 Concen: 49.125 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005661.D
 Acq: 29 Oct 2018 15:38

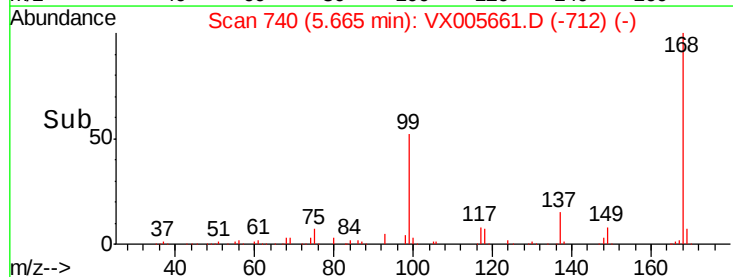
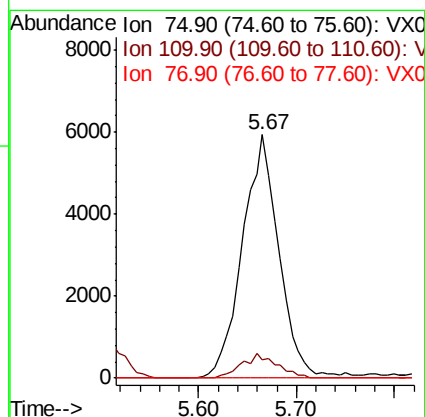
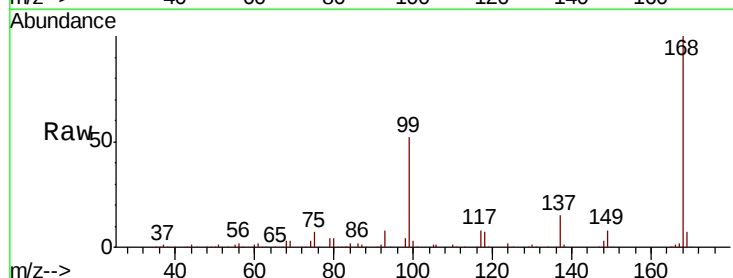
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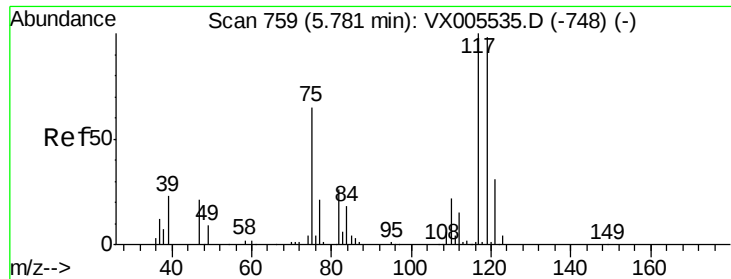
Tot Ion:113 Resp: 109562
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.3 123.5
 192 24.3 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.802 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005661.D
 Acq: 29 Oct 2018 15:38

Tgt Ion: 75 Resp: 15348
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.4 52.2#
 77 0.0 25.8 38.6#

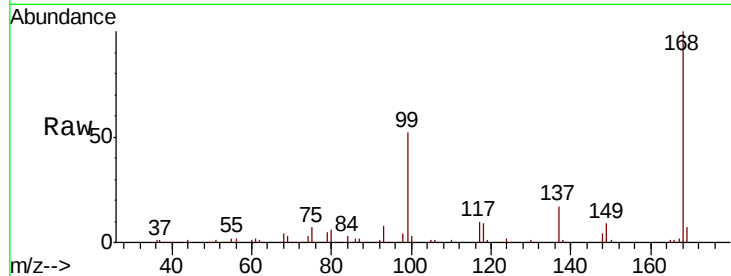




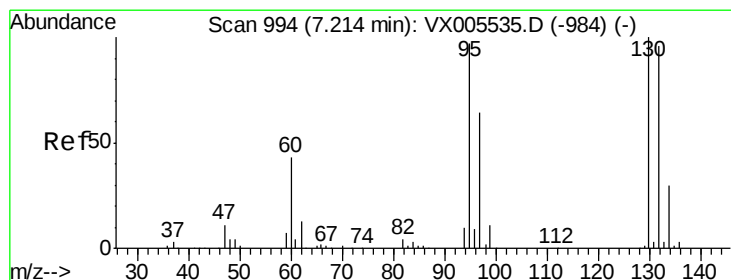
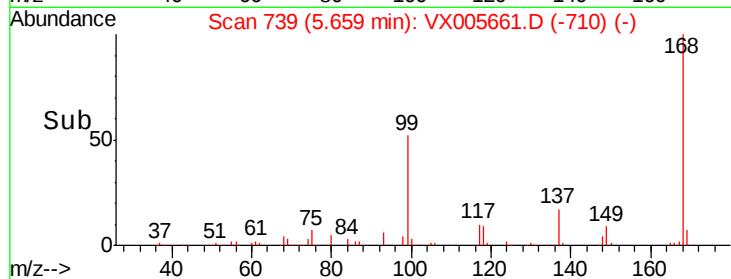
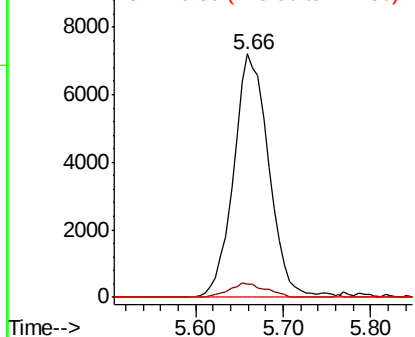
#38
Carbon Tetrachloride
Concen: 5.985 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX005661.D
Acq: 29 Oct 2018 15:38

Instrument :
MSVOA_X
ClientSampleId :
FT-PZ456I-20181025

Tot Ion:117 Resp: 20149
Ion Ratio Lower Upper
117 100
119 5.5 78.1 117.1#
121 0.0 24.6 36.8#

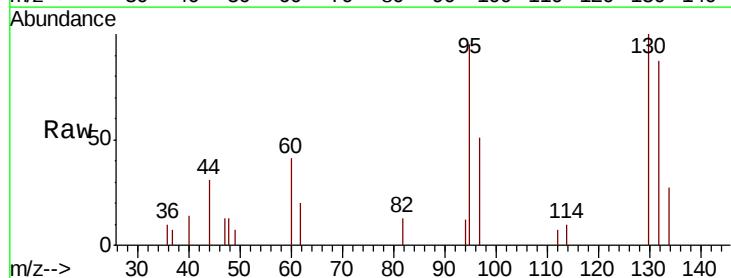


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

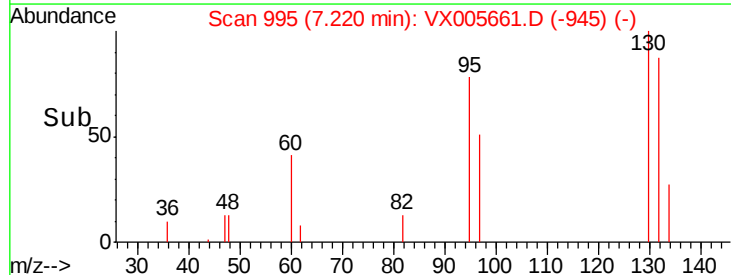
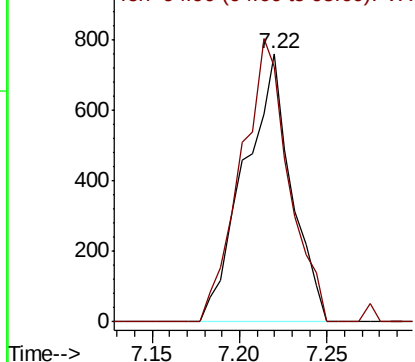


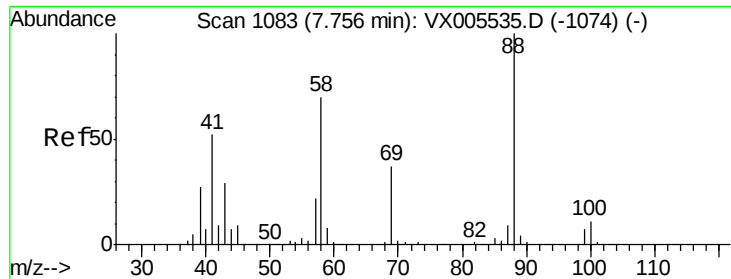
#44
Trichloroethene
Concen: 0.574 ug/l
RT: 7.22 min Scan# 995
Delta R.T. 0.01 min
Lab File: VX005661.D
Acq: 29 Oct 2018 15:38

Tgt Ion:130 Resp: 1432
Ion Ratio Lower Upper
130 100
95 95.2 0.0 194.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V

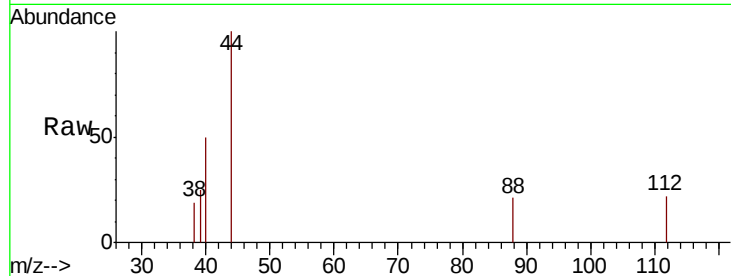




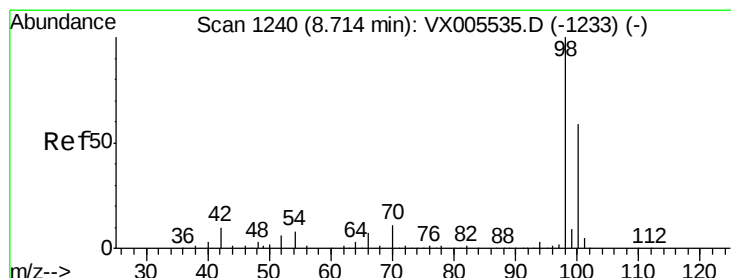
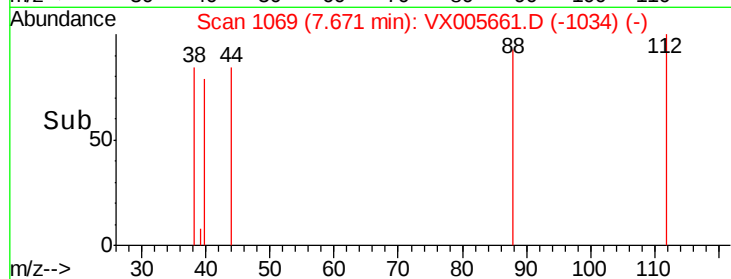
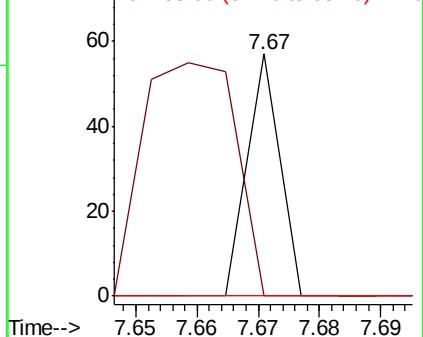
#49
1,4-Dioxane
Concen: 0.323 ug/l
RT: 7.67 min Scan# 1069
Delta R.T. -0.09 min
Lab File: VX005661.D
Acq: 29 Oct 2018 15:38

Instrument :
MSVOA_X
ClientSampleId :
FT-PZ456I-20181025

Tot Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 276.2 27.4 41.0#
58 0.0 59.4 89.2#

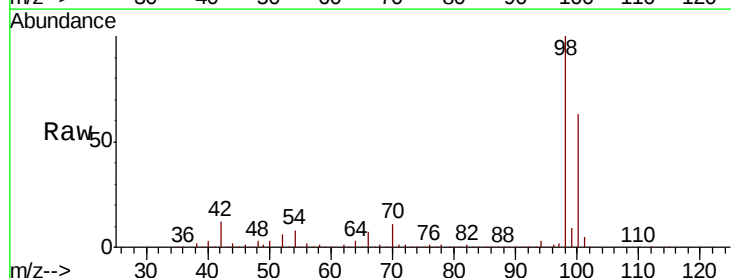


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

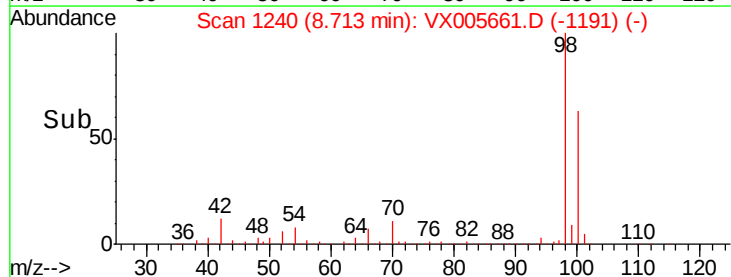
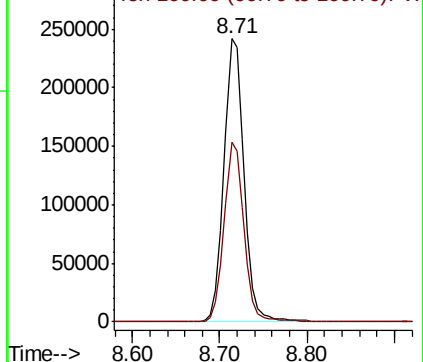


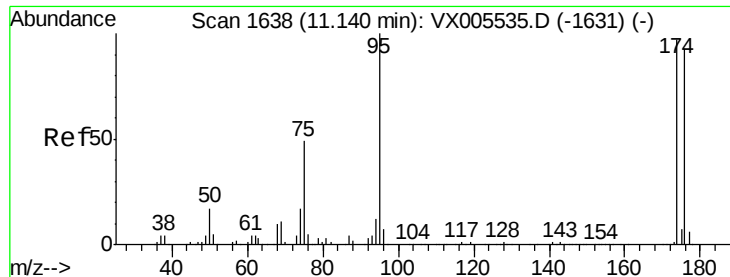
#50
Toluene-d8
Concen: 47.882 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005661.D
Acq: 29 Oct 2018 15:38

Tgt Ion: 98 Resp: 383711
Ion Ratio Lower Upper
98 100
100 62.9 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

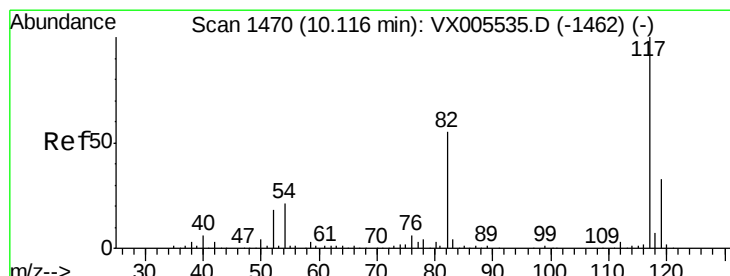
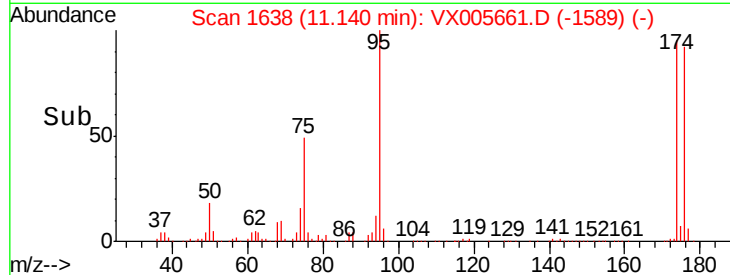
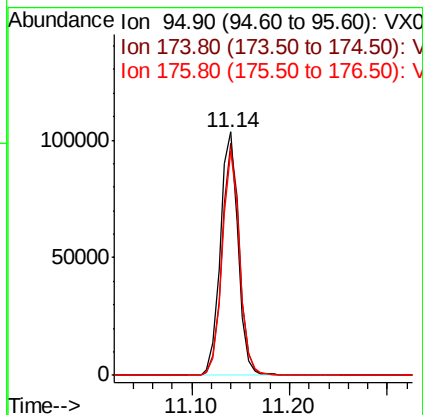
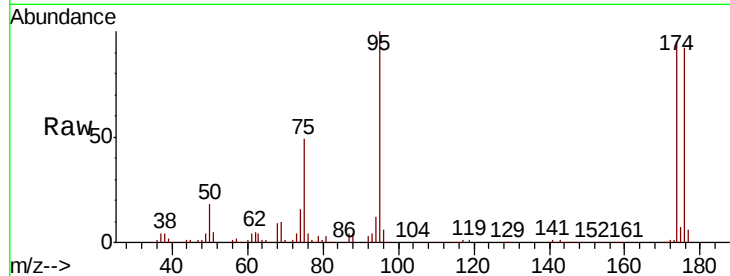




#62
4-Bromofluorobenzene
Concen: 43.075 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005661.D
Acq: 29 Oct 2018 15:38

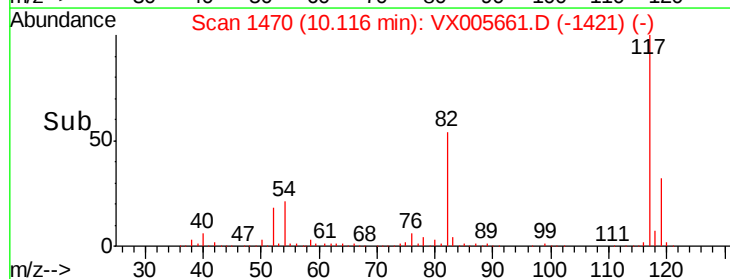
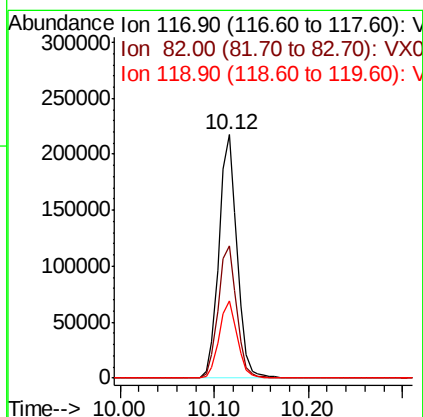
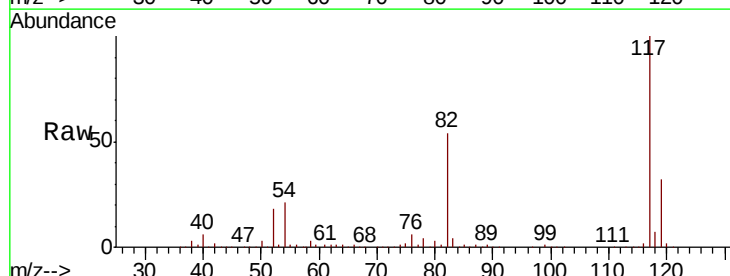
Instrument :
MSVOA_X
ClientSampleId :
FT-PZ456I-20181025

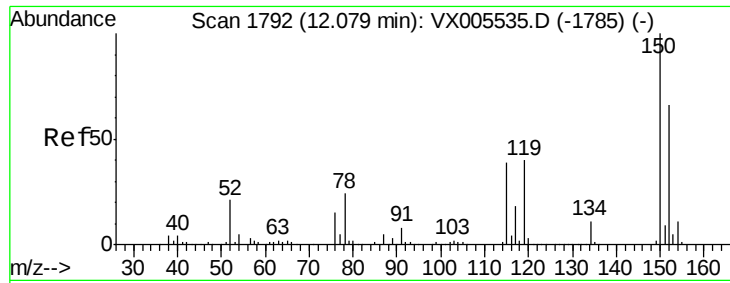
Tot Ion	95	Resp	130360
Ion Ratio	Lower	Upper	
95	100		
174	94.0	0.0	184.4
176	90.3	0.0	177.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005661.D
Acq: 29 Oct 2018 15:38

Tgt Ion	117	Resp	290083
Ion Ratio	Lower	Upper	
117	100		
82	54.2	44.1	66.1
119	31.9	26.2	39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005661.D

Acq: 29 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

FT-PZ456I-20181025

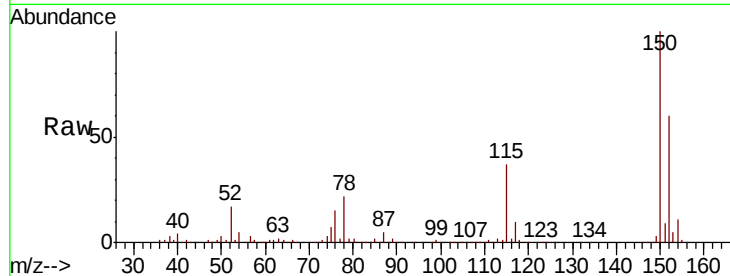
Tot Ion:152 Resp: 179363

Ion Ratio Lower Upper

152 100

115 55.6 39.4 118.1

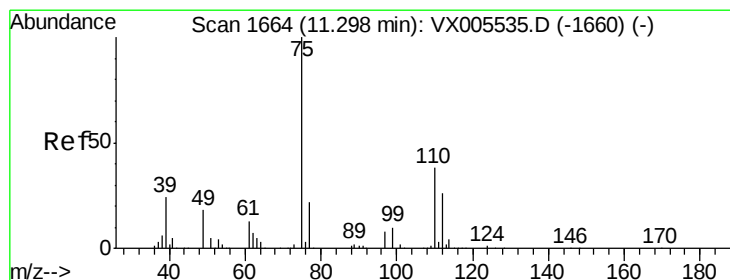
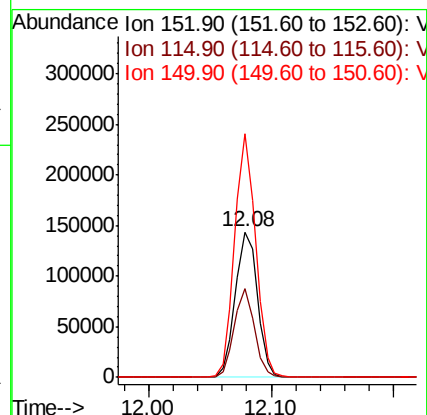
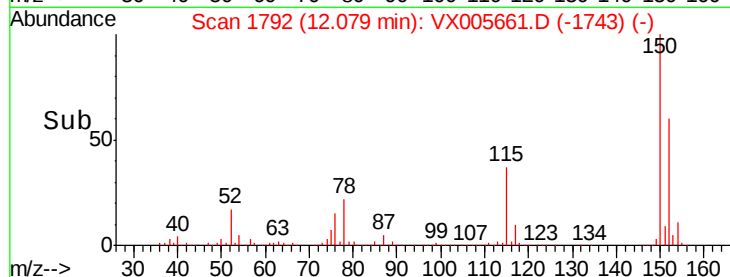
150 158.3 0.0 346.4



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: 16.989 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005661.D

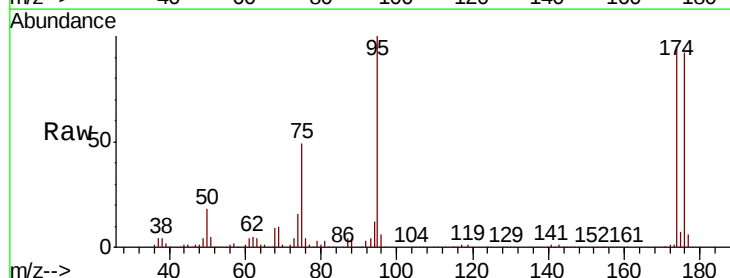
Acq: 29 Oct 2018 15:38

Tgt Ion: 75 Resp: 64562

Ion Ratio Lower Upper

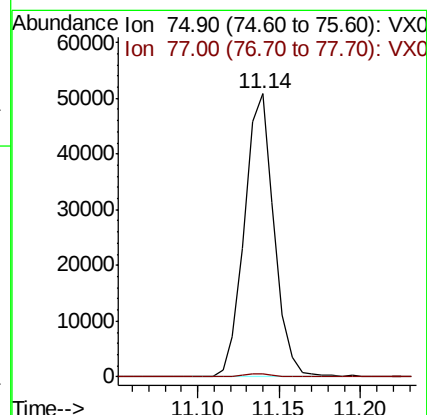
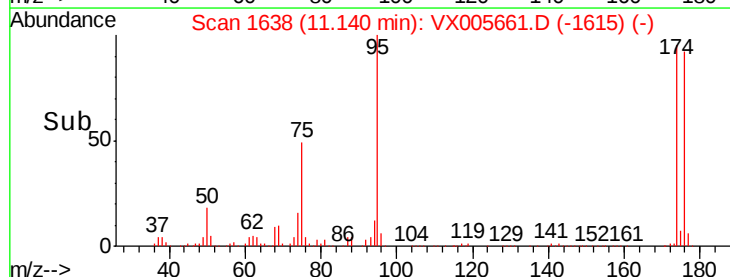
75 100

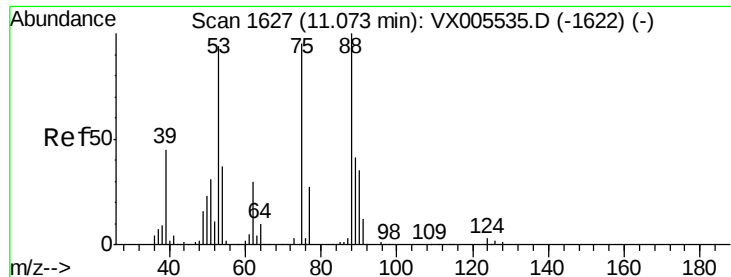
77 1.3 20.5 61.6#



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: 55.511 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005661.D

Acq: 29 Oct 2018 15:38

Instrument :

MSVOA_X

ClientSampleId :

FT-PZ456I-20181025

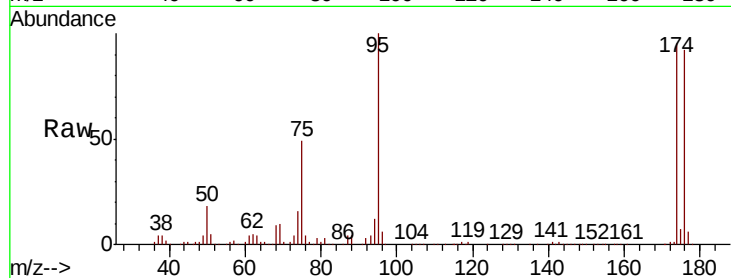
Tot Ion: 75 Resp: 64562

Ion Ratio Lower Upper

75 100

53 0.3 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

