

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101218\
 Data File : VX005318.D
 Acq On : 13 Oct 2018 03:11
 Operator : JC/MD
 Sample : J5393-09DL 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 13 04:09:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

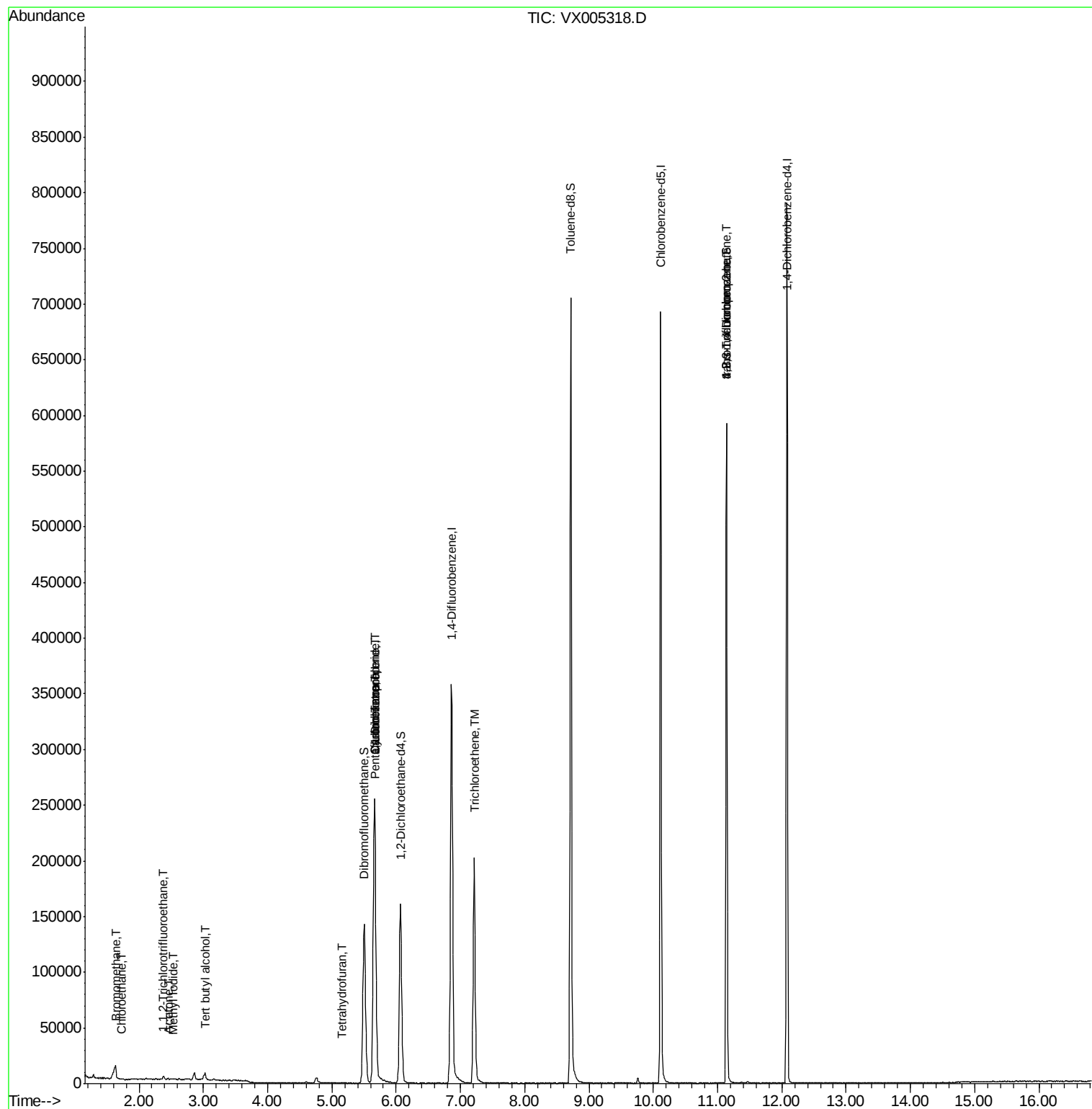
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	275921	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	373114	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	336245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	161982	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	156582	51.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.26%	
35) Dibromofluoromethane	5.50	113	120154	48.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.24%	
50) Toluene-d8	8.71	98	449163	52.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.88%	
62) 4-Bromofluorobenzene	11.14	95	146128	45.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.70%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	696	0.969	ug/l #	77
6) Chloroethane	1.72	64	71	0.369	ug/l #	44
9) 1,1,2-Trichlorotrifluoroet	2.39	101	815	0.334	ug/l #	84
10) Methyl Iodide	2.52	142	227	2.569	ug/l #	91
11) Tert butyl alcohol	3.03	59	3837	4.442	ug/l #	79
13) Acrolein	2.29	56	28	Below Cal	#	1
16) Acetone	2.45	43	996	0.563	ug/l	97
20) Methylene Chloride	2.86	84	2631	Below Cal	#	89
29) Tetrahydrofuran	5.16	42	525	0.318	ug/l #	31
31) Cyclohexane	5.66	56	4708	1.118	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17892	4.951	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23871	6.574	ug/l #	16
44) Trichloroethene	7.21	130	81516	29.192	ug/l	94
76) 1,2,3-Trichloropropane	11.14	75	71316	22.698	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	71316	68.967	ug/l #	10

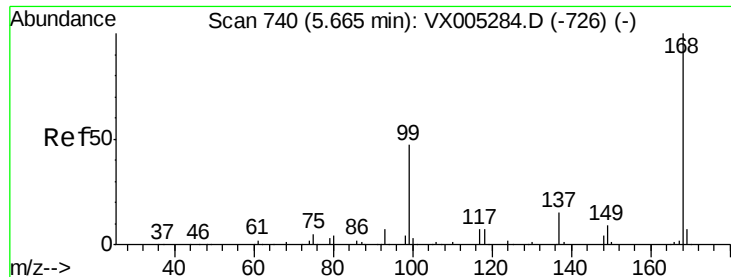
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.68 min Scan# 742

Delta R.T. 0.01 min

Lab File: VX005318.D

Acq: 13 Oct 2018 03:11

Instrument :

MSVOA_X

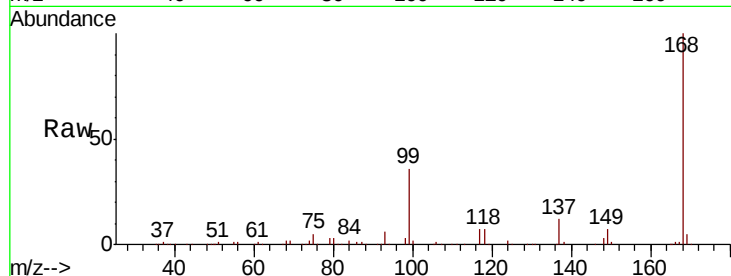
ClientSampleId :

Tot Ion:168 Resp: 275921

Ion Ratio Lower Upper

168 100

99 35.6 39.9 59.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

100000

80000

60000

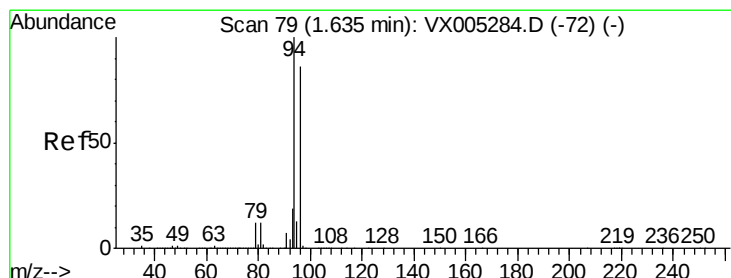
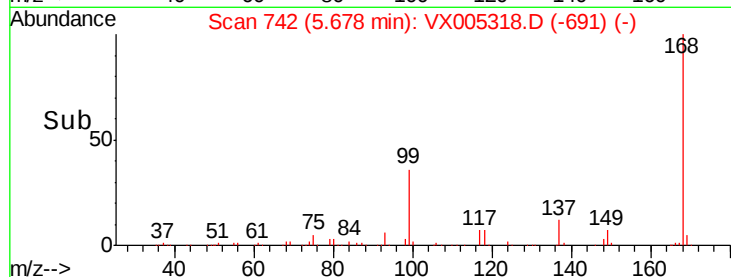
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.969 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005318.D

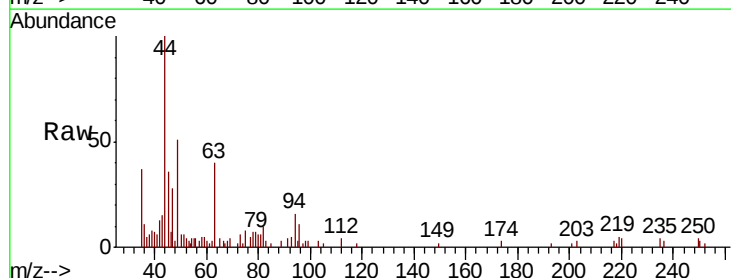
Acq: 13 Oct 2018 03:11

Tgt Ion: 94 Resp: 696

Ion Ratio Lower Upper

94 100

96 71.0 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

500

400

300

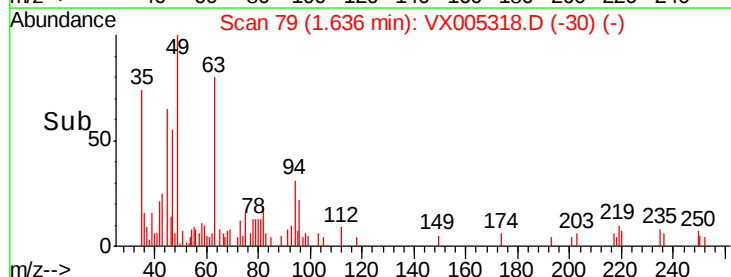
200

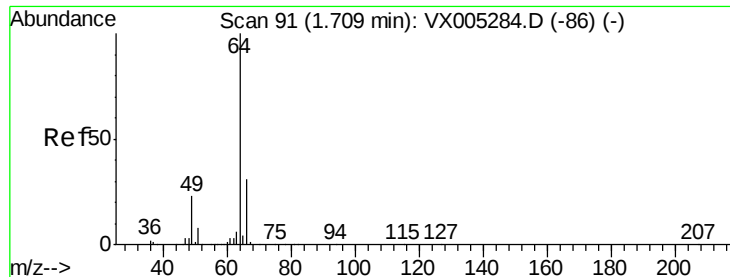
100

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.369 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005318.D

Acq: 13 Oct 2018 03:11

Instrument :

MSVOA_X

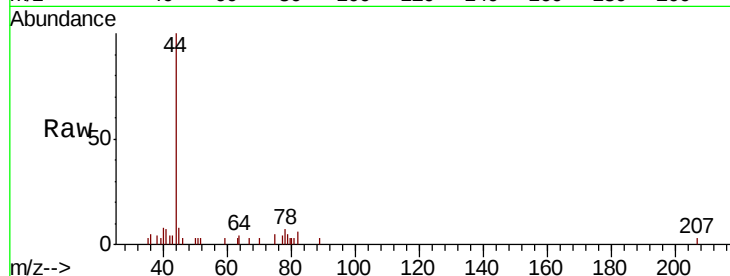
ClientSampled :

Tot Ion: 64 Resp: 71

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#

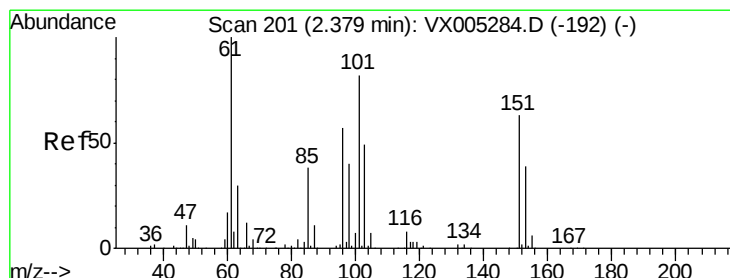
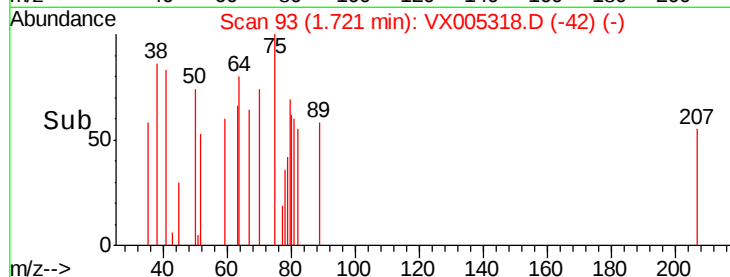


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.334 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005318.D

Acq: 13 Oct 2018 03:11

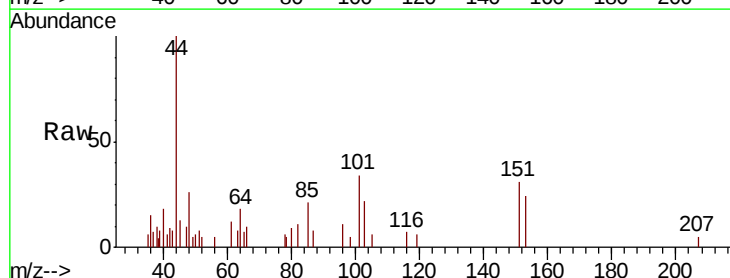
Tgt Ion:101 Resp: 815

Ion Ratio Lower Upper

101 100

85 53.0 34.2 51.4#

151 95.8 65.0 97.6



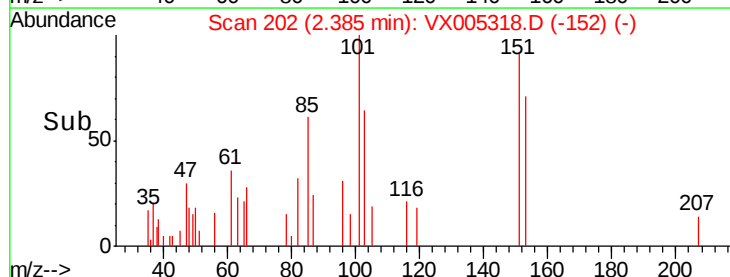
Abundance Ion 100.90 (100.60 to 101.60): V

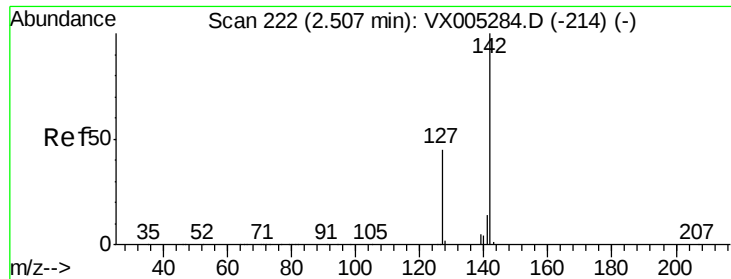
Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

2.39

Time-->

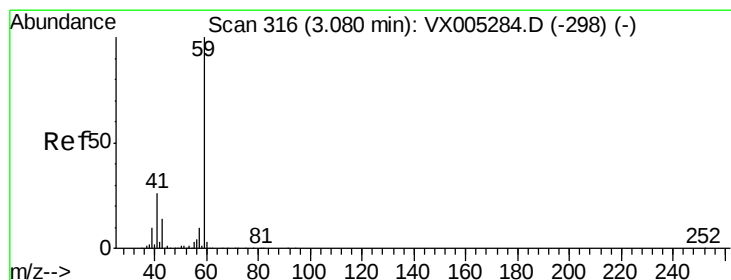
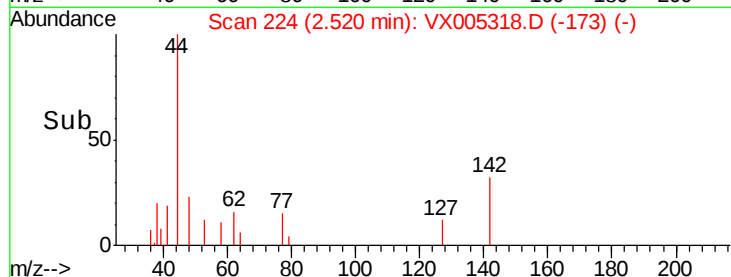
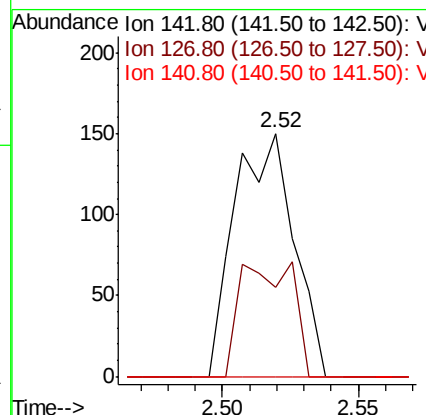
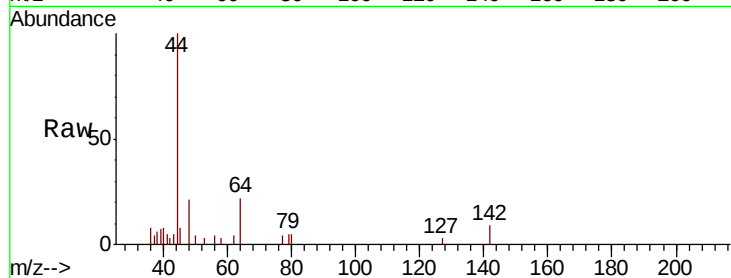




#10
Methvl Iodide
Concen: 2.569 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX005318.D
Acq: 13 Oct 2018 03:11

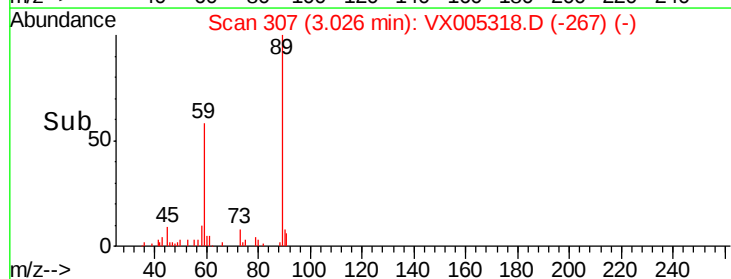
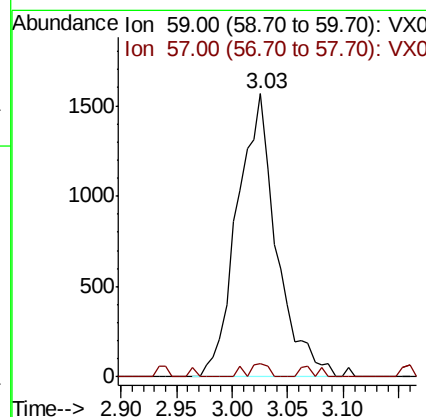
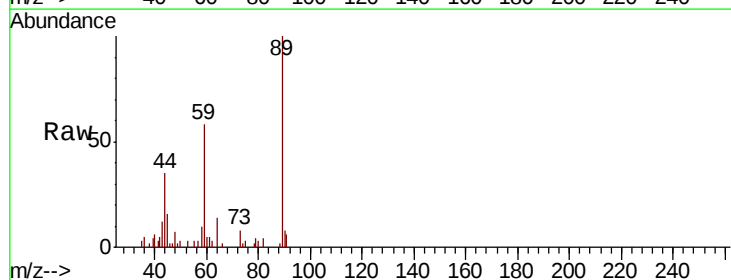
Instrument :
MSVOA_X
ClientSampleId :

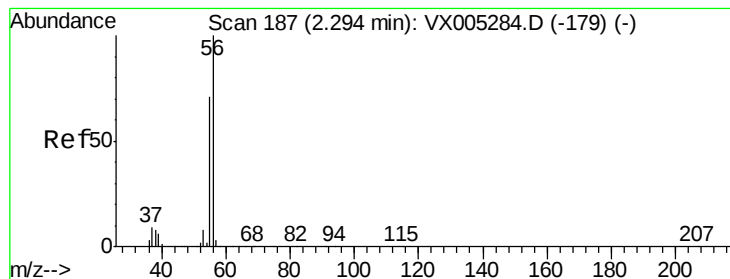
Tot Ion:142 Resp: 227
Ion Ratio Lower Upper
142 100
127 41.9 33.8 50.6
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 4.442 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX005318.D
Acq: 13 Oct 2018 03:11

Tgt Ion: 59 Resp: 3837
Ion Ratio Lower Upper
59 100
57 2.5 8.2 12.4#





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005318.D

Acq: 13 Oct 2018 03:11

Instrument :

MSVOA_X

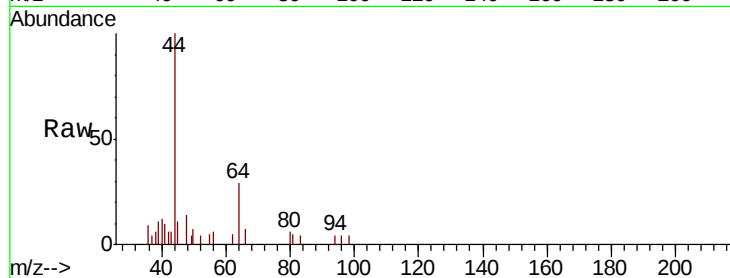
ClientSampleId :

Tot Ion: 56 Resp: 28

Ion Ratio Lower Upper

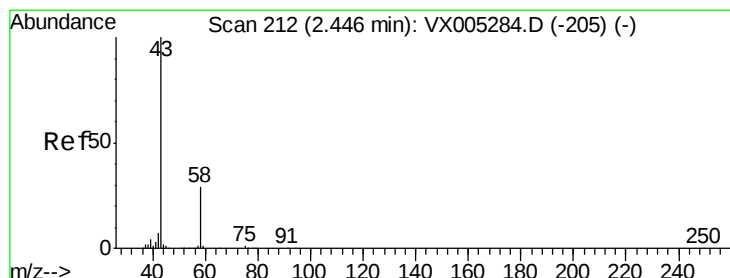
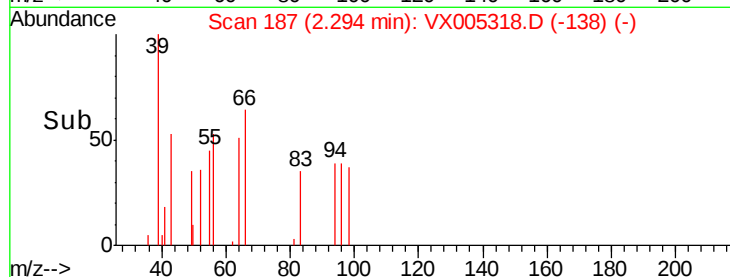
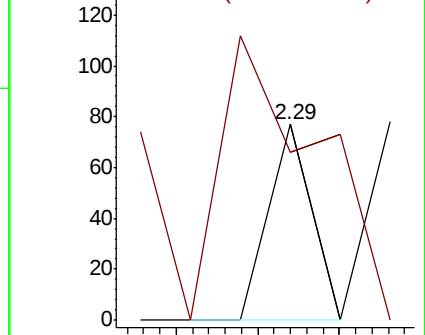
56 100

55 328.6 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.563 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005318.D

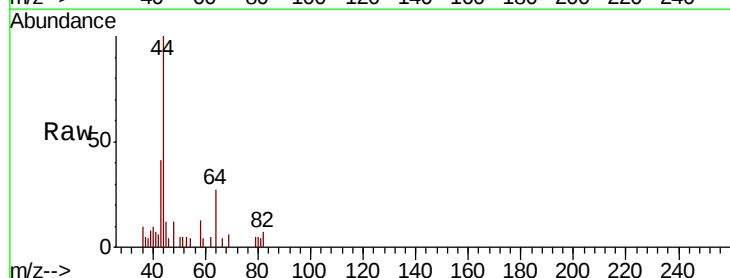
Acq: 13 Oct 2018 03:11

Tgt Ion: 43 Resp: 996

Ion Ratio Lower Upper

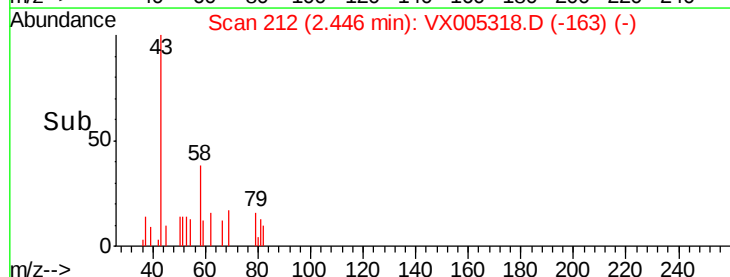
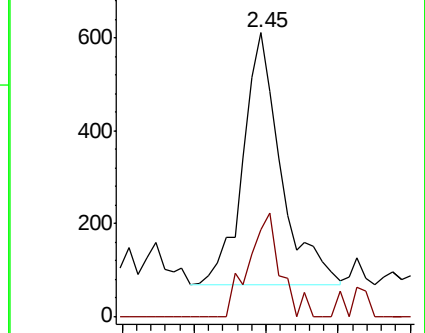
43 100

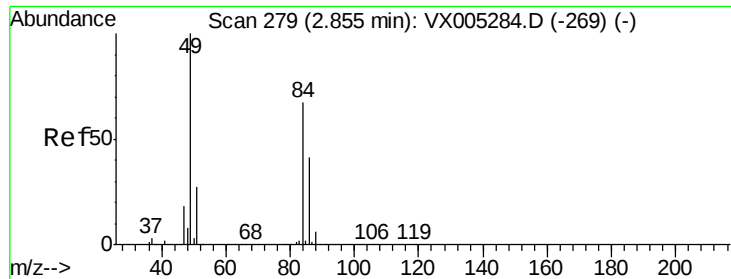
58 34.4 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

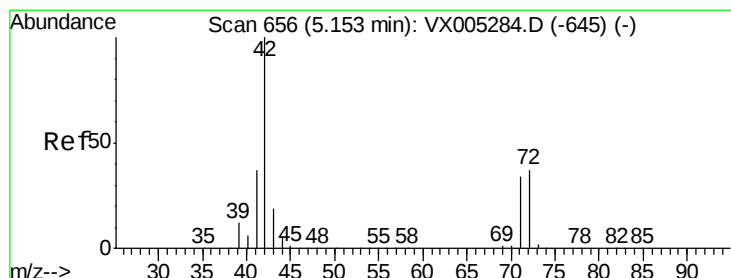
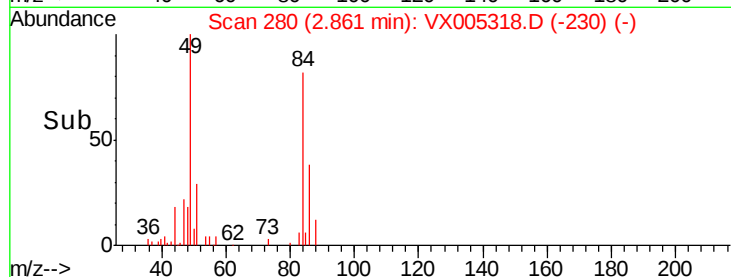
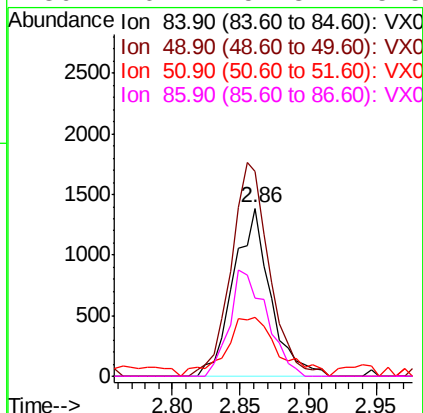
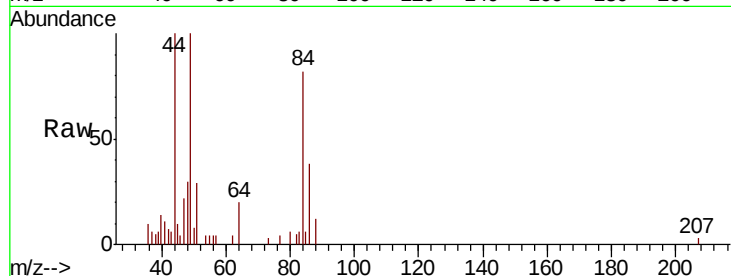
Delta R.T. 0.01 min

Lab File: VX005318.D

Acq: 13 Oct 2018 03:11

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	84	Resp:	2631
Ion	Ratio	Lower	Upper
84	100		
49	121.9	101.2	151.8
51	31.0	29.5	44.3
86	46.2	52.3	78.5#



#29

Tetrahydrofuran

Concen: 0.318 ug/l

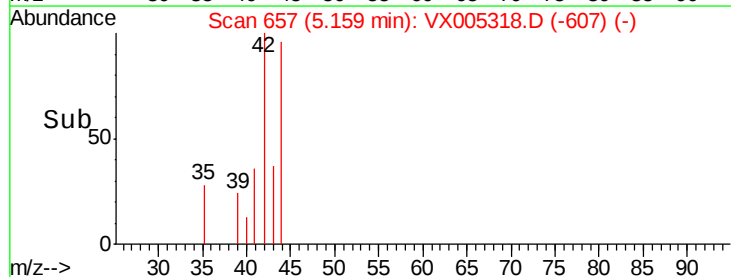
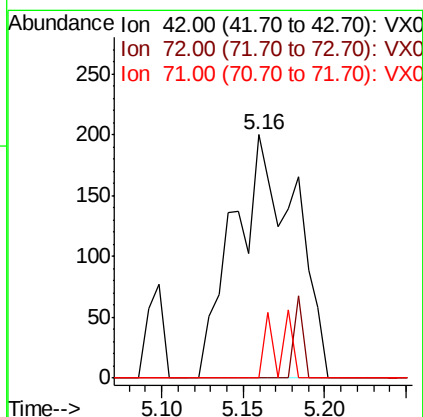
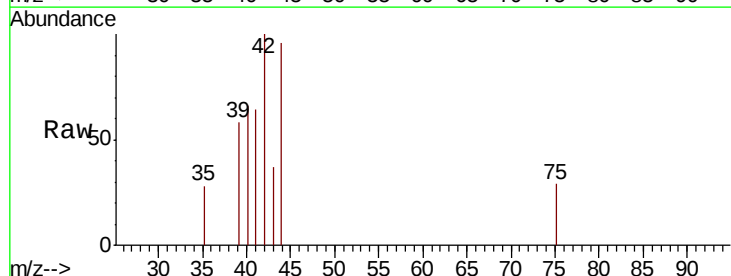
RT: 5.16 min Scan# 657

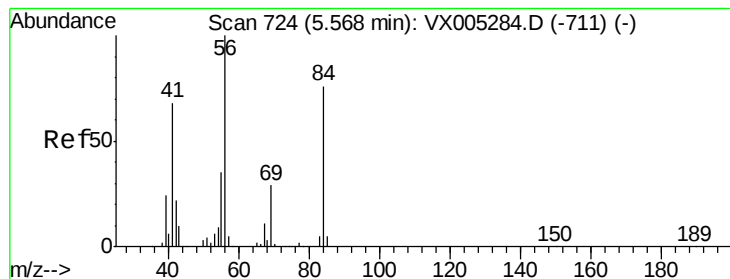
Delta R.T. 0.01 min

Lab File: VX005318.D

Acq: 13 Oct 2018 03:11

Tgt Ion:	42	Resp:	525
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.4	56.0#
71	0.0	34.5	51.7#





#31

Cyclohexane

Concen: 1.118 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005318.D

Acq: 13 Oct 2018 03:11

Instrument :

MSVOA_X

ClientSampled :

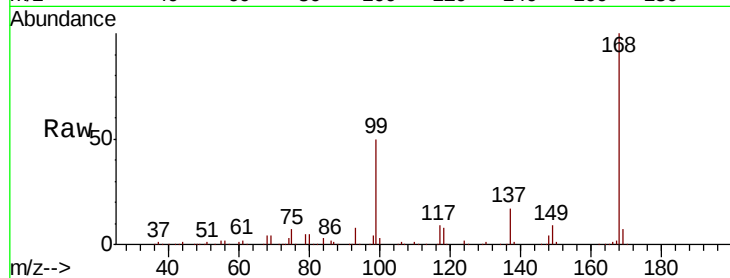
Tot Ion: 56 Resp: 4708

Ion Ratio Lower Upper

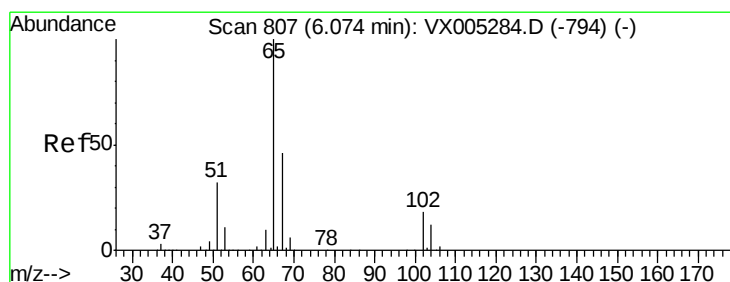
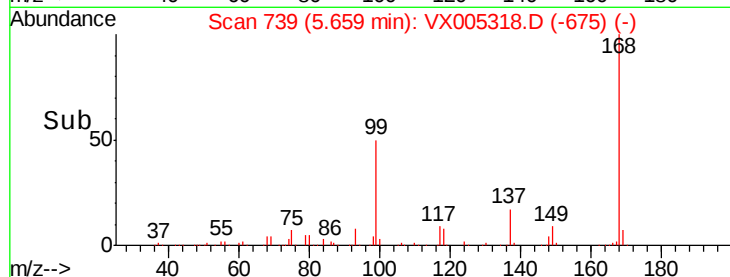
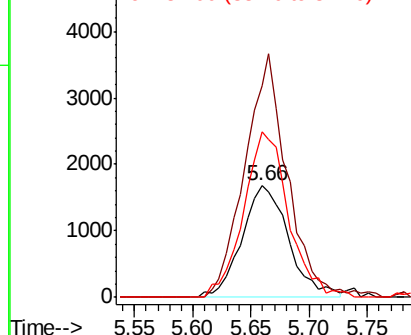
56 100

69 190.2 25.4 38.2#

84 148.4 71.4 107.2#



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



#33

1,2-Dichloroethane-d4

Concen: 51.132 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005318.D

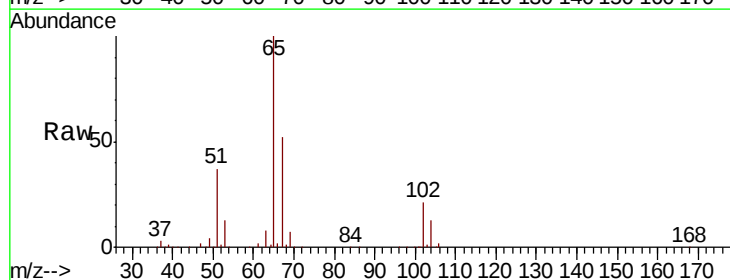
Acq: 13 Oct 2018 03:11

Tgt Ion: 65 Resp: 156582

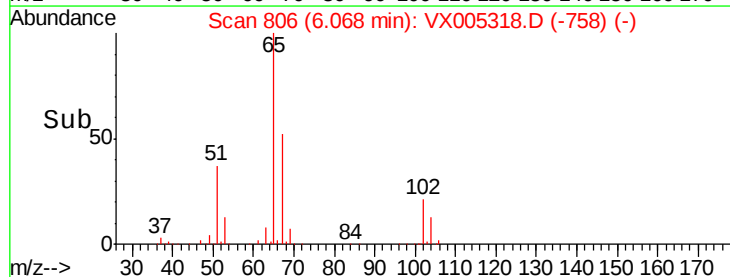
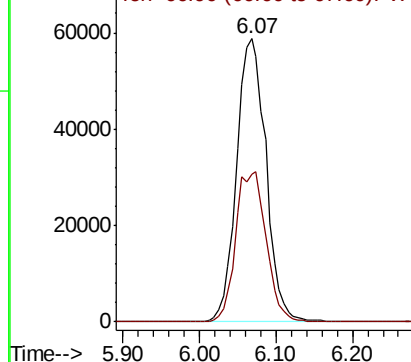
Ion Ratio Lower Upper

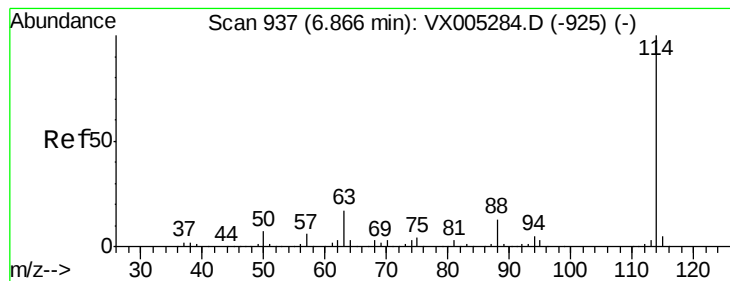
65 100

67 55.1 0.0 106.8



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: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005318.D

Acq: 13 Oct 2018 03:11

Instrument :

MSVOA_X

ClientSampleId :

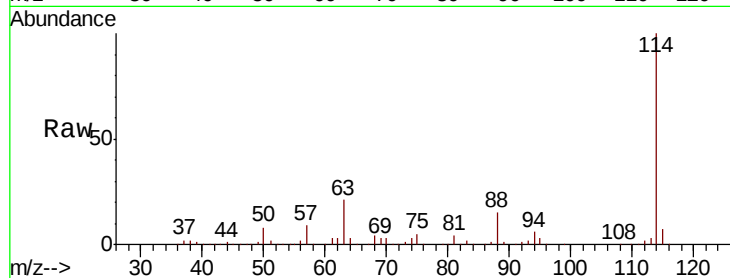
Tot Ion:114 Resp: 373114

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.0

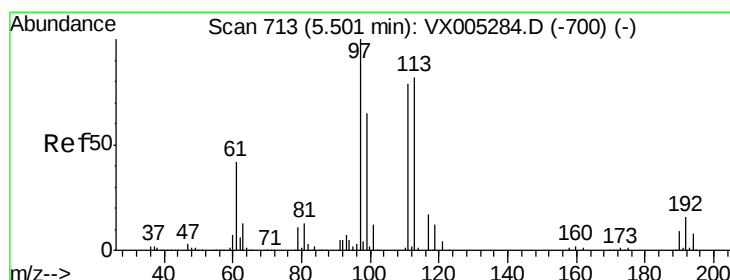
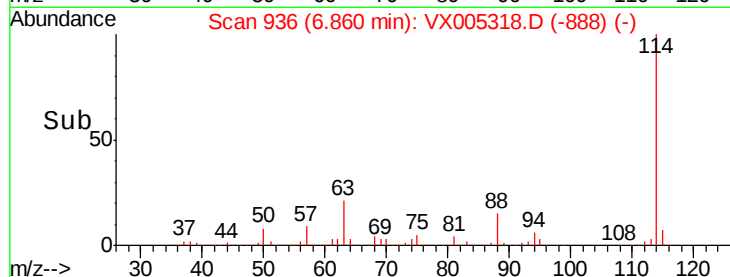
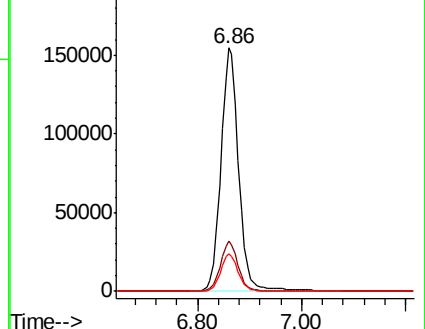
88 15.5 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.621 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005318.D

Acq: 13 Oct 2018 03:11

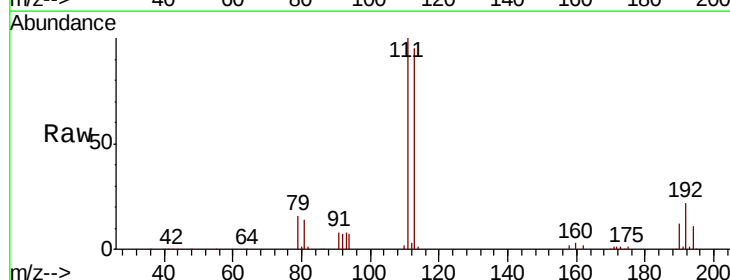
Tgt Ion:113 Resp: 120154

Ion Ratio Lower Upper

113 100

111 103.7 82.4 123.6

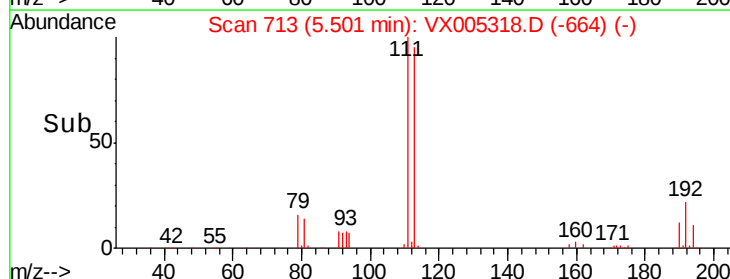
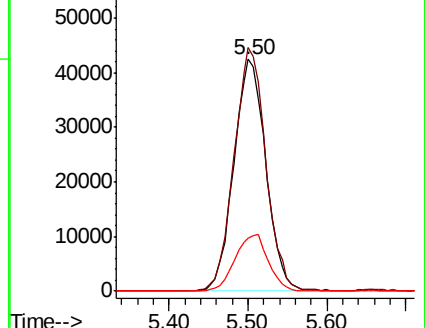
192 25.0 19.4 29.2

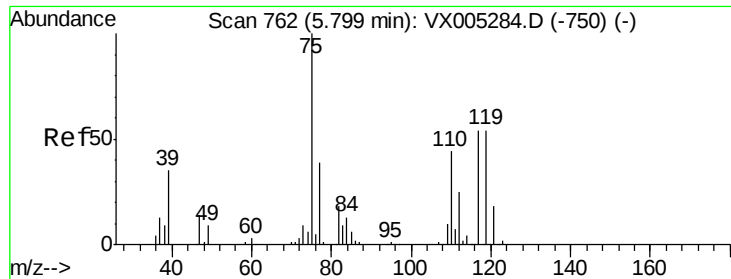


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

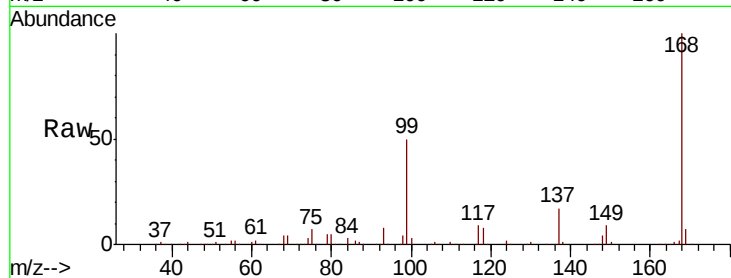




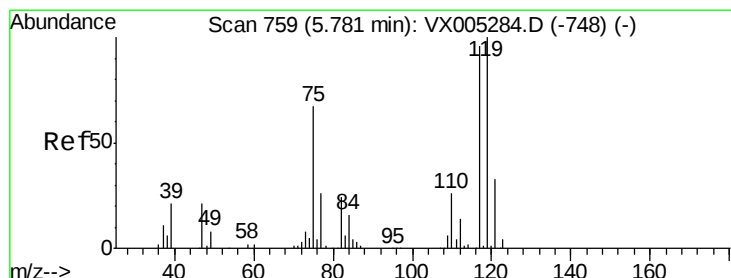
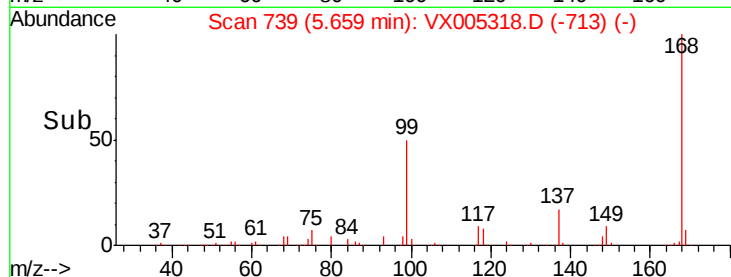
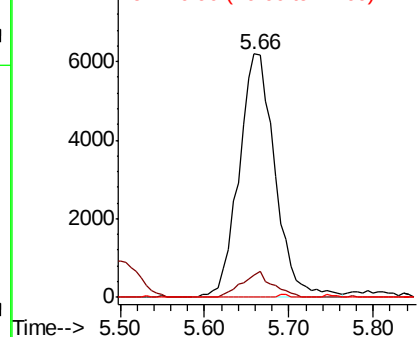
#36
 1,1-Dichloropropene
 Concen: 4.951 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005318.D
 Acq: 13 Oct 2018 03:11

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	75	Resp	17892
Ion Ratio	Lower	Upper	
75	100		
110	9.1	18.0	54.0#
77	0.0	24.6	36.8#

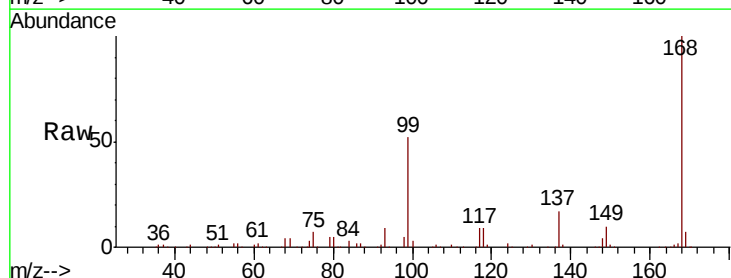


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

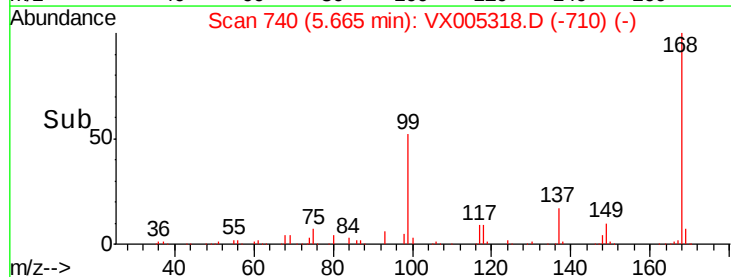
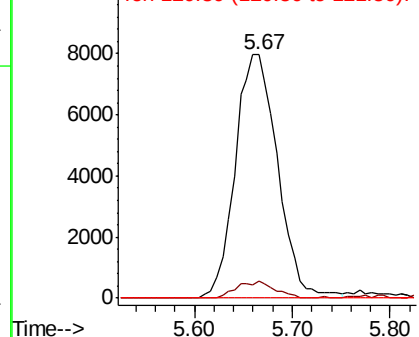


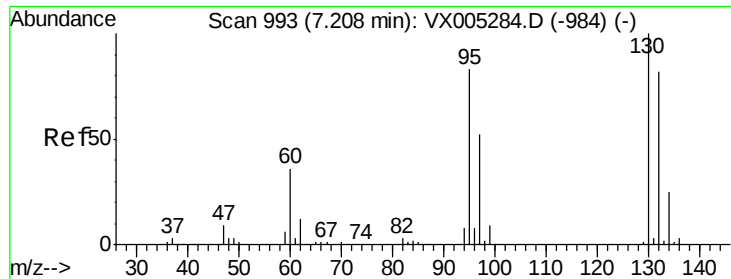
#38
 Carbon Tetrachloride
 Concen: 6.574 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005318.D
 Acq: 13 Oct 2018 03:11

Tgt Ion	117	Resp	23871
Ion Ratio	Lower	Upper	
117	100		
119	7.2	78.8	118.2#
121	0.0	24.9	37.3#



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

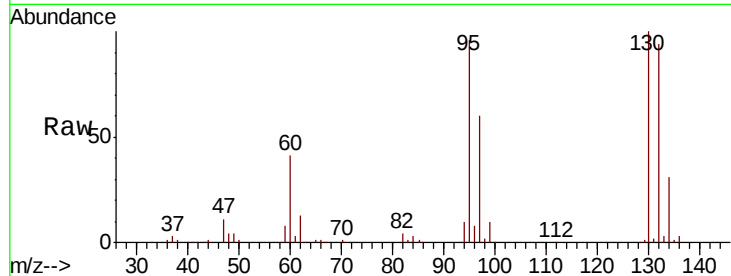




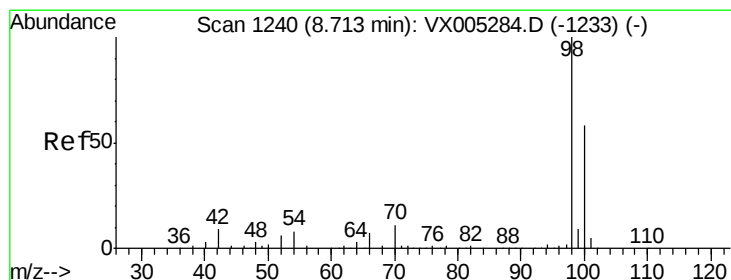
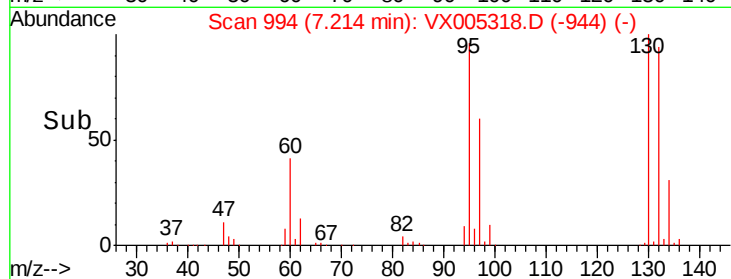
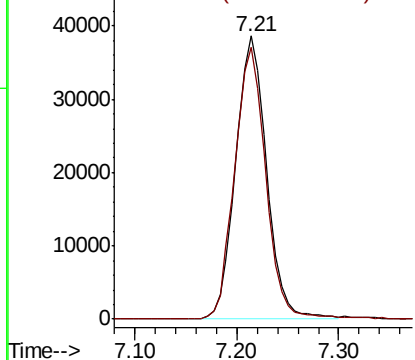
#44
 Trichloroethene
 Concen: 29.192 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005318.D
 Acq: 13 Oct 2018 03:11

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:130 Resp: 81516
 Ion Ratio Lower Upper
 130 100
 95 96.0 0.0 181.6

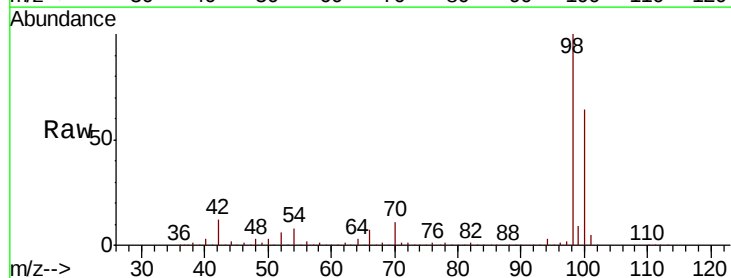


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

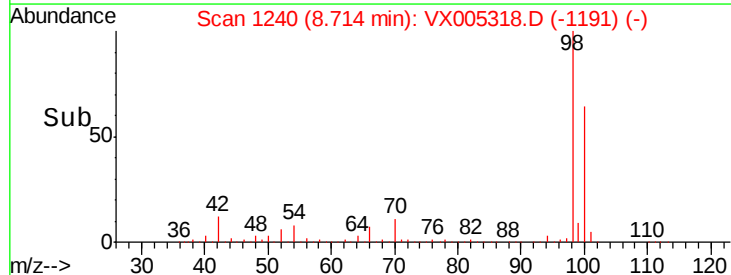
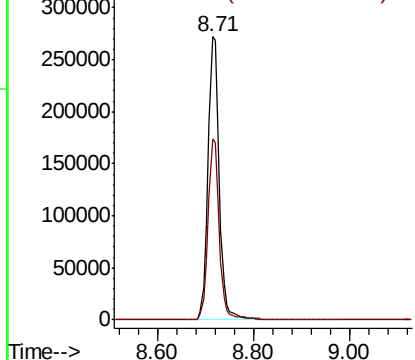


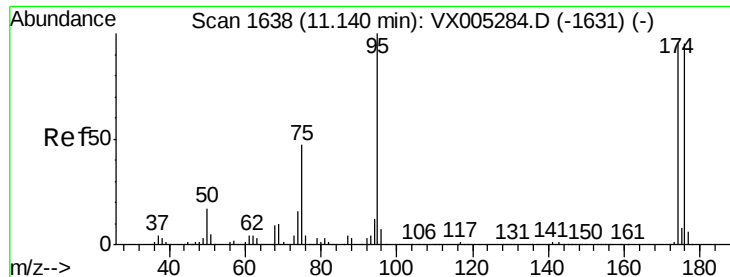
#50
 Toluene-d8
 Concen: 52.943 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX005318.D
 Acq: 13 Oct 2018 03:11

Tgt Ion: 98 Resp: 449163
 Ion Ratio Lower Upper
 98 100
 100 63.4 52.9 79.3



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

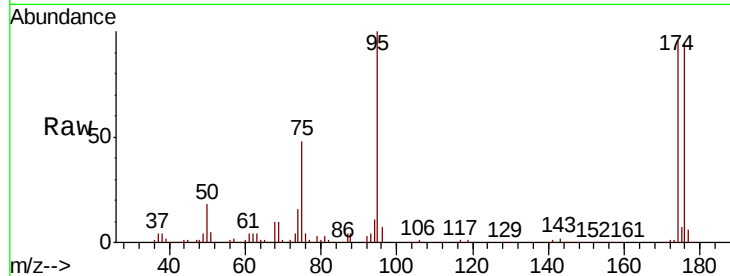




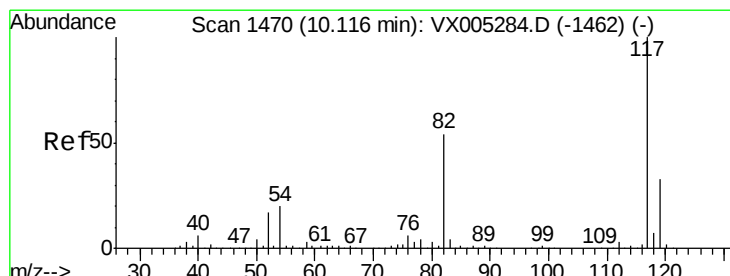
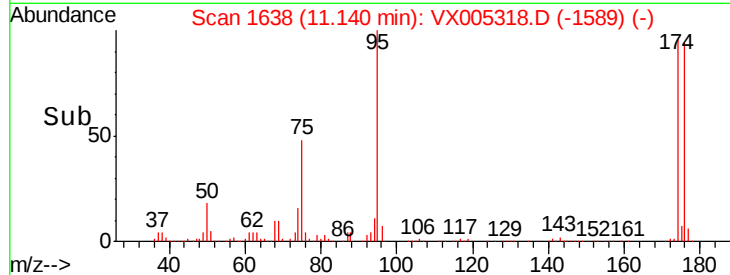
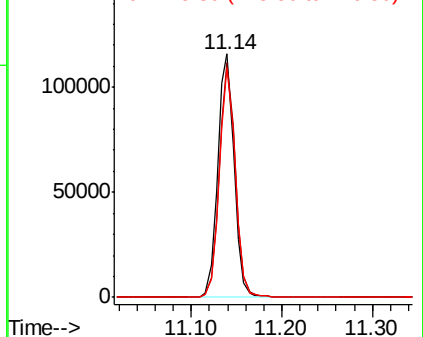
#62
4-Bromofluorobenzene
Concen: 45.850 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005318.D
Acq: 13 Oct 2018 03:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 146128
Ion Ratio Lower Upper
95 100
174 94.4 0.0 185.2
176 91.9 0.0 178.6

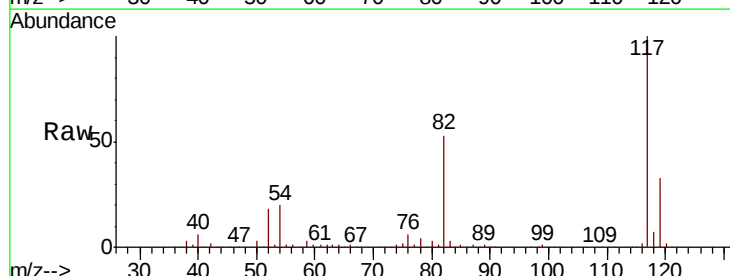


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

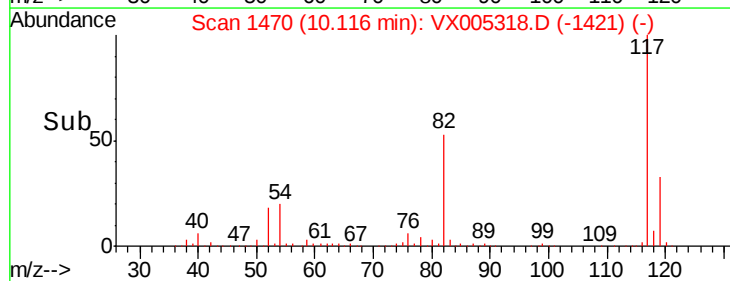
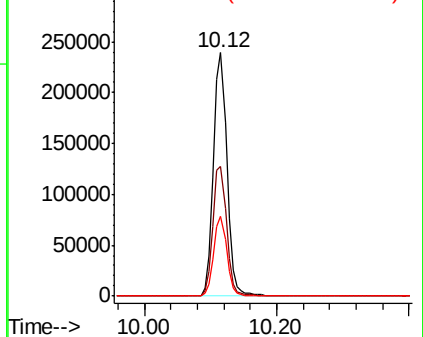


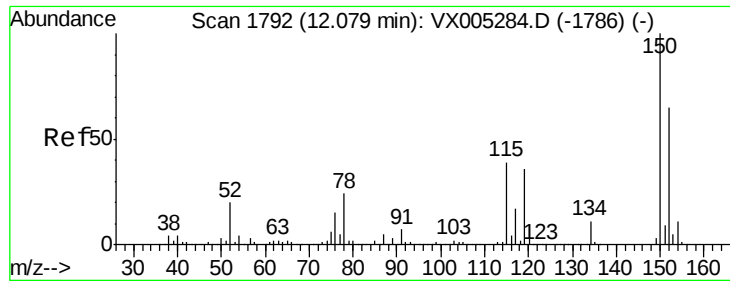
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005318.D
Acq: 13 Oct 2018 03:11

Tgt Ion: 117 Resp: 336245
Ion Ratio Lower Upper
117 100
82 53.2 47.8 71.6
119 32.8 29.3 43.9



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



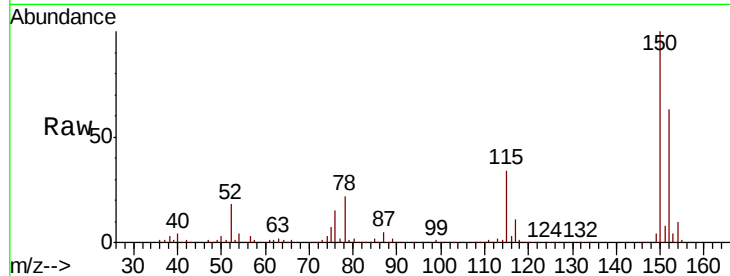


#72

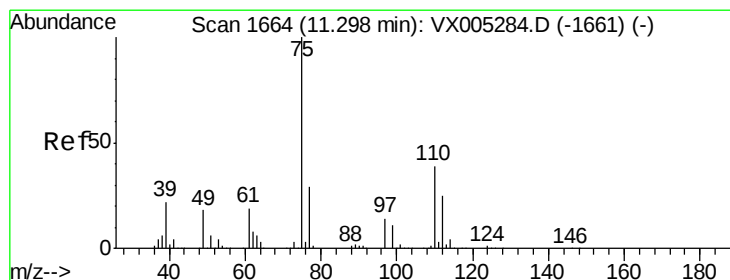
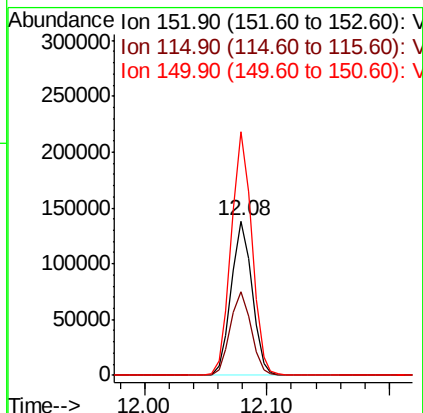
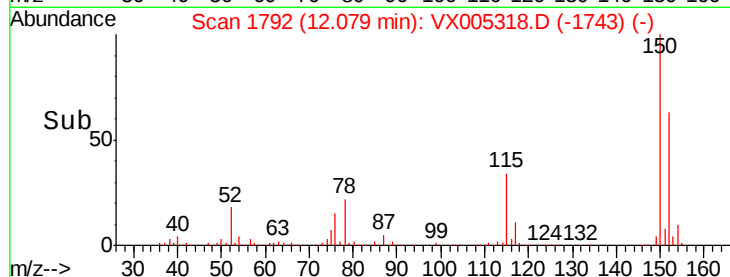
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005318.D
Acq: 13 Oct 2018 03:11

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:152 Resp: 161982
Ion Ratio Lower Upper
152 100
115 54.7 39.0 117.0
150 157.0 0.0 351.0



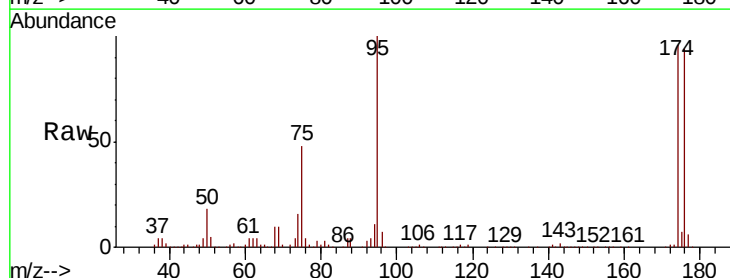
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



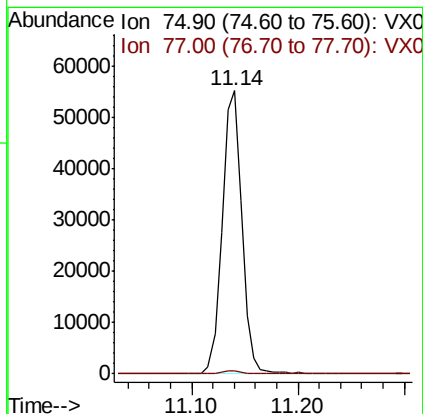
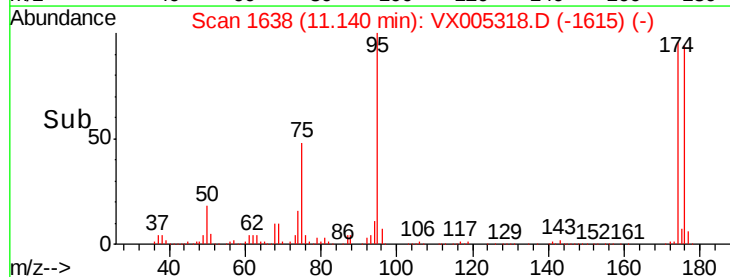
#76

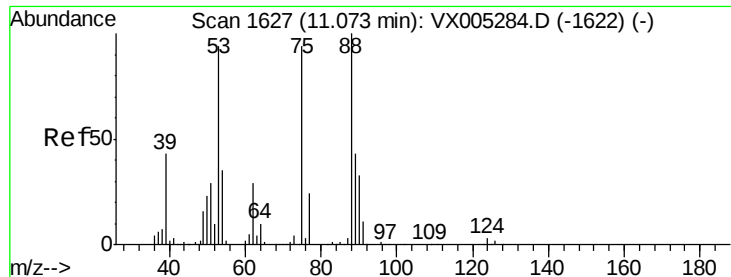
1,2,3-Trichloropropane
Concen: 22.698 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005318.D
Acq: 13 Oct 2018 03:11

Tgt Ion: 75 Resp: 71316
Ion Ratio Lower Upper
75 100
77 1.3 20.2 60.6#



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: 68.967 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005318.D

Acq: 13 Oct 2018 03:11

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 71316

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.1 37.2 55.8#

