

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102918\
 Data File : VX005668.D
 Acq On : 29 Oct 2018 18:44
 Operator : JC/MD
 Sample : J5692-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ183I-20181025

Quant Time: Oct 30 02:01:28 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	240920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	353773	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	311286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159777	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	137080	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
35) Dibromofluoromethane	5.50	113	112889	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	
50) Toluene-d8	8.71	98	405132	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	
62) 4-Bromofluorobenzene	11.14	95	150844	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	

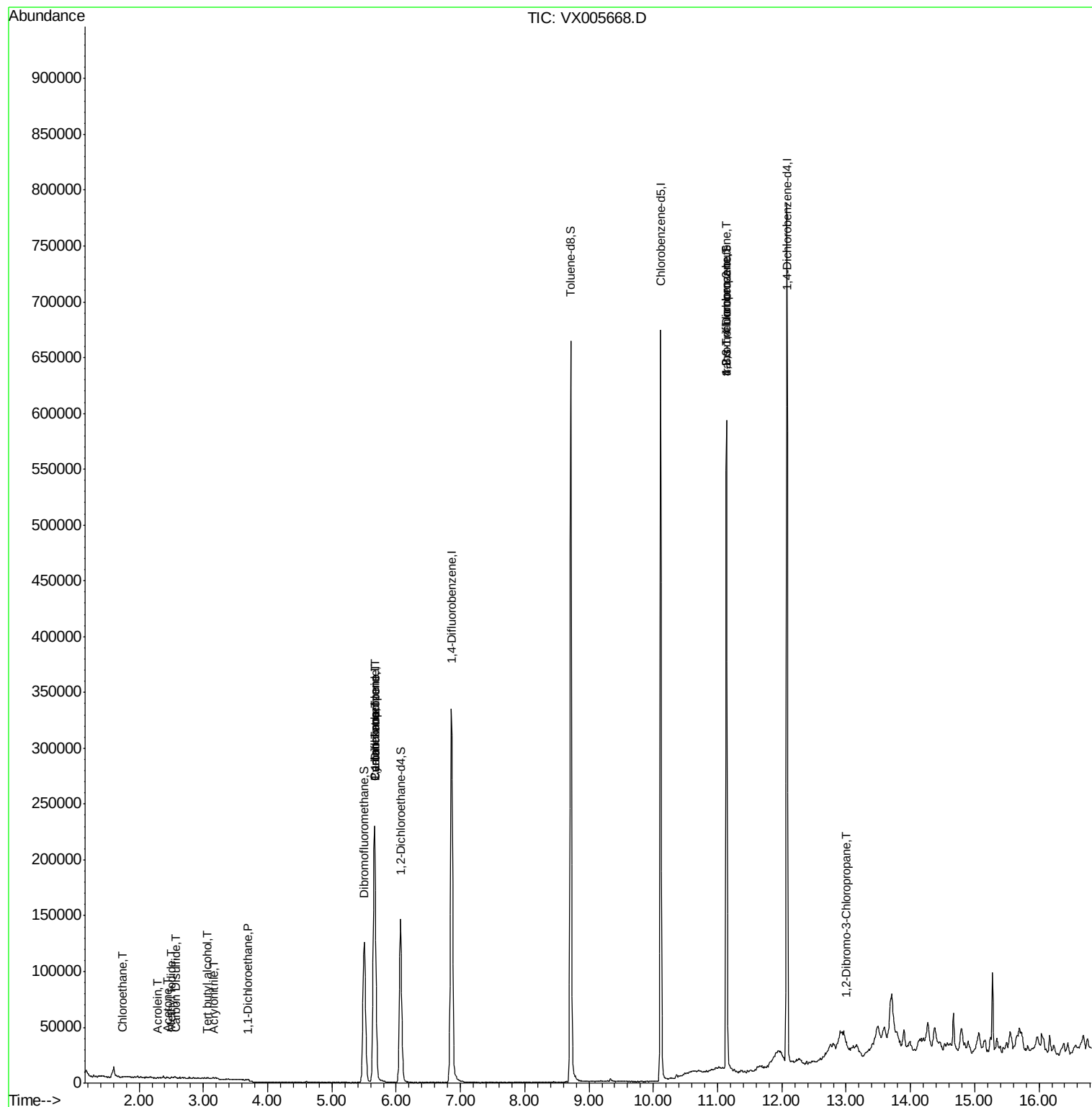
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.75	64	952	0.500	ug/l #	42
10) Methyl Iodide	2.51	142	834	3.043	ug/l #	90
11) Tert butyl alcohol	3.07	59	1236	1.562	ug/l #	78
13) Acrolein	2.29	56	227	0.562	ug/l #	1
15) Acrylonitrile	3.16	53	593	0.334	ug/l #	77
16) Acetone	2.45	43	585	0.376	ug/l	91
17) Carbon Disulfide	2.57	76	1521	0.221	ug/l	97
18) Methyl Acetate	2.78	43	352	Below Cal	#	78
24) 1,1-Dichloroethane	3.69	63	1508	0.315	ug/l #	82
31) Cyclohexane	5.66	56	4295	1.083	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16450	4.791	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21407	5.920	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	73970	21.850	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	73970	71.397	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	13.01	75	294	0.337	ug/l #	29

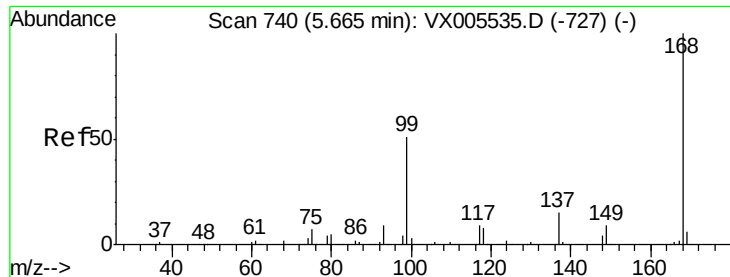
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX005668.D

Acq: 29 Oct 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

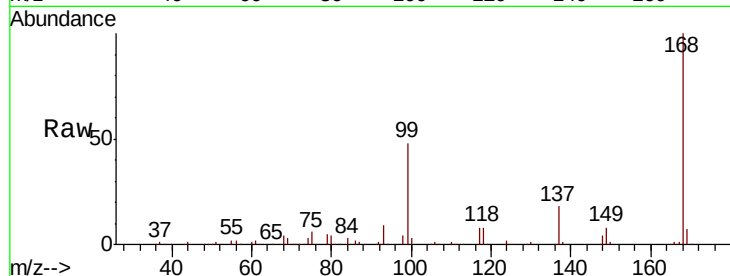
SA-PZ183I-20181025

Tot Ion:168 Resp: 240920

Ion Ratio Lower Upper

168 100

99 47.9 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

80000

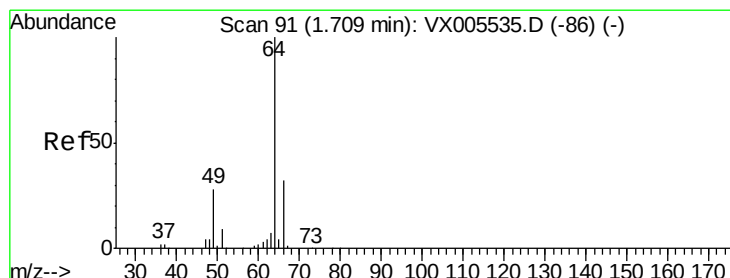
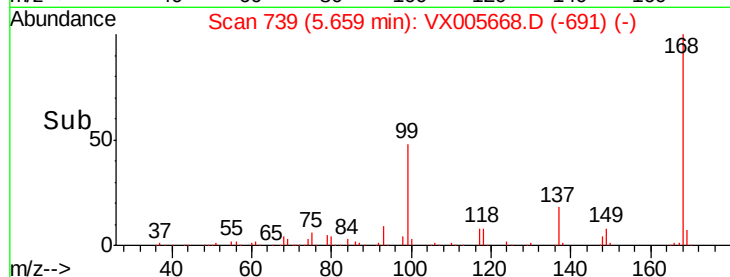
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.500 ug/l

RT: 1.75 min Scan# 97

Delta R.T. 0.04 min

Lab File: VX005668.D

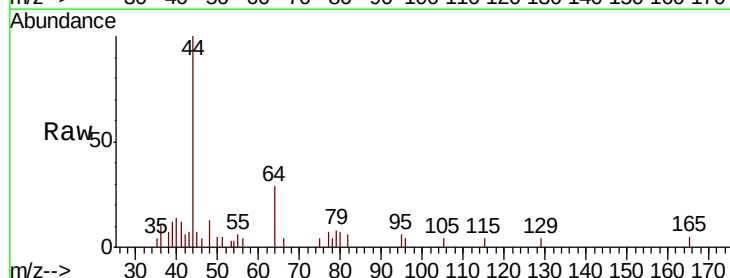
Acq: 29 Oct 2018 18:44

Tgt Ion: 64 Resp: 952

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

1.75

600

500

400

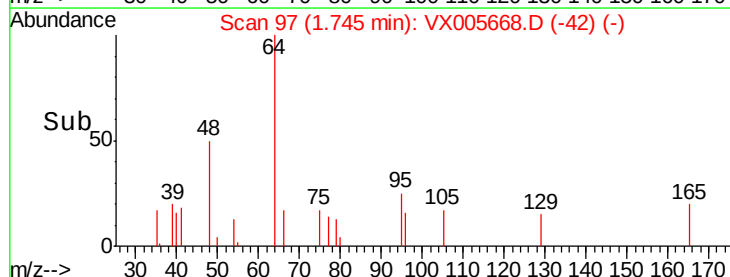
300

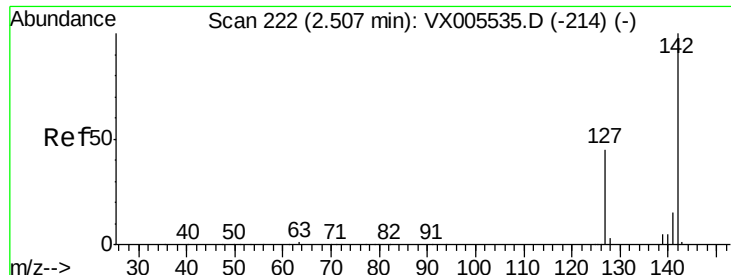
200

100

0

Time--> 1.65 1.70 1.75

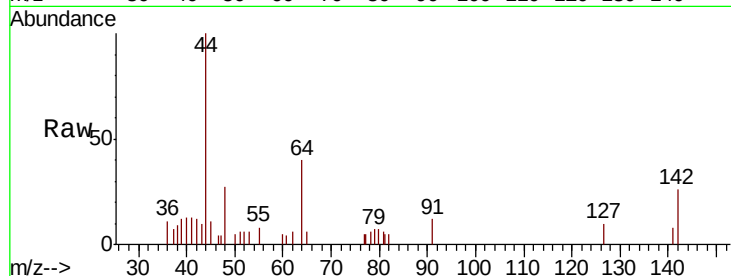




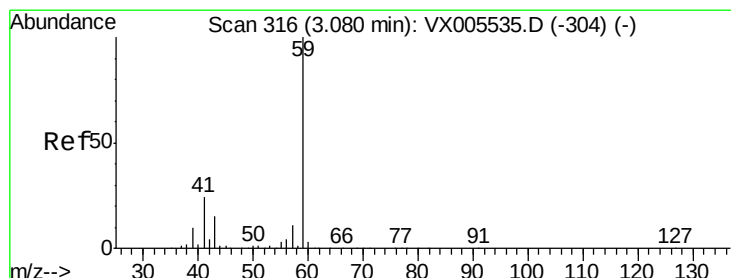
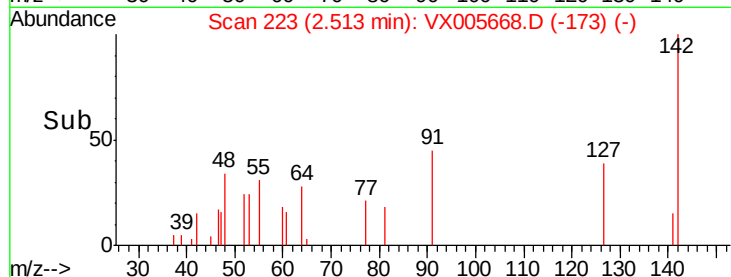
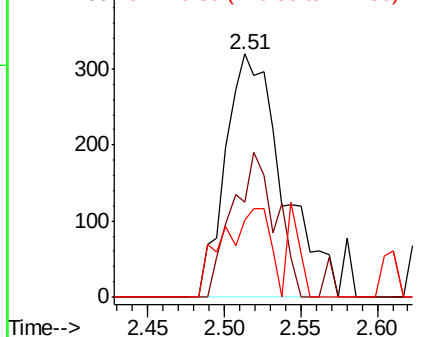
#10
Methvl Iodide
Concen: 3.043 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX005668.D
Acq: 29 Oct 2018 18:44

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ183I-20181025

Tot Ion:142 Resp: 834
Ion Ratio Lower Upper
142 100
127 44.6 36.0 54.0
141 30.1 11.7 17.5#

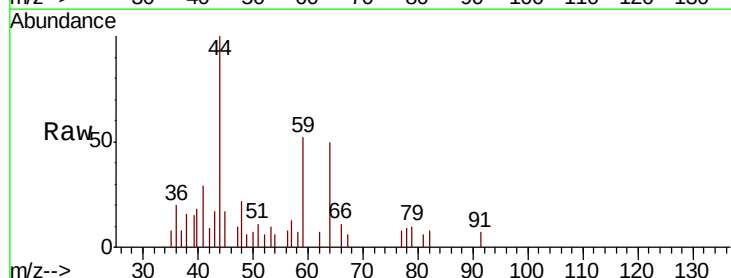


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

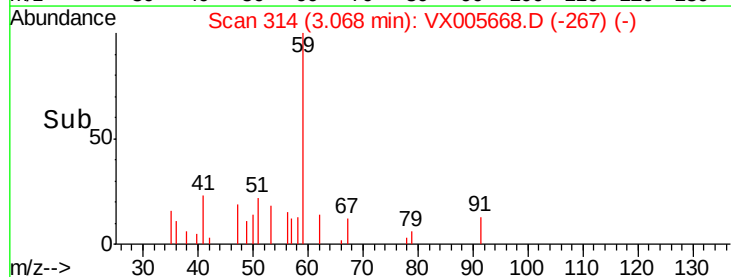
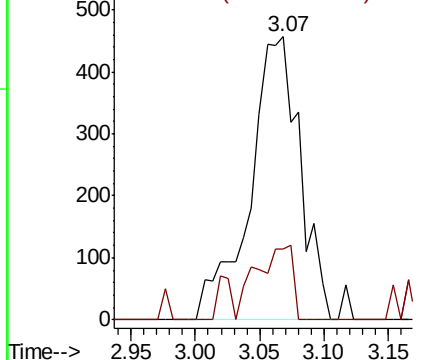


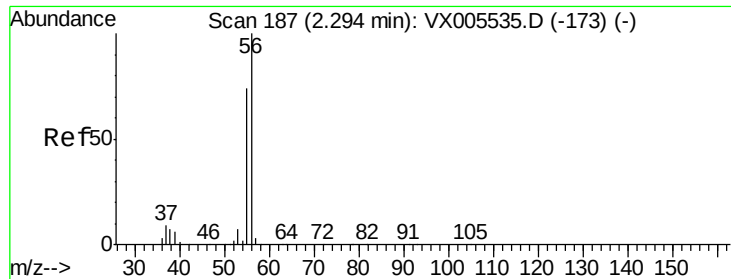
#11
Tert butyl alcohol
Concen: 1.562 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005668.D
Acq: 29 Oct 2018 18:44

Tgt Ion: 59 Resp: 1236
Ion Ratio Lower Upper
59 100
57 19.0 8.5 12.7#



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





#13

Acrolein

Concen: 0.562 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX005668.D

Acq: 29 Oct 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

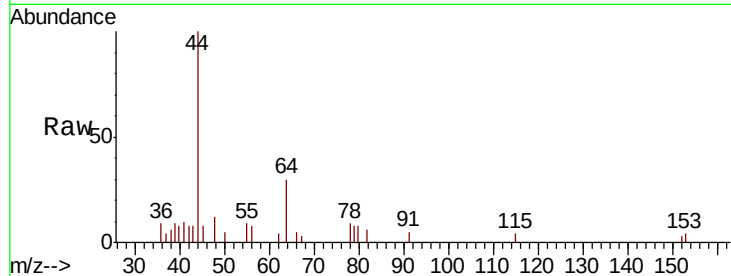
SA-PZ183I-20181025

Tot Ion: 56 Resp: 227

Ion Ratio Lower Upper

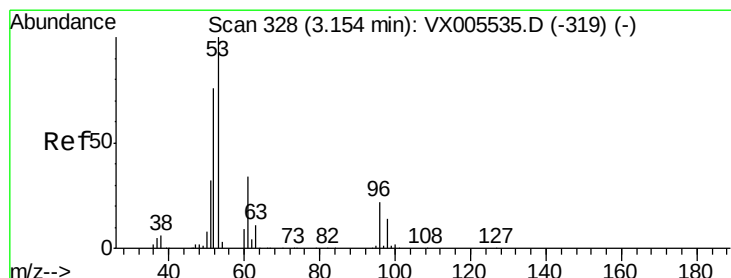
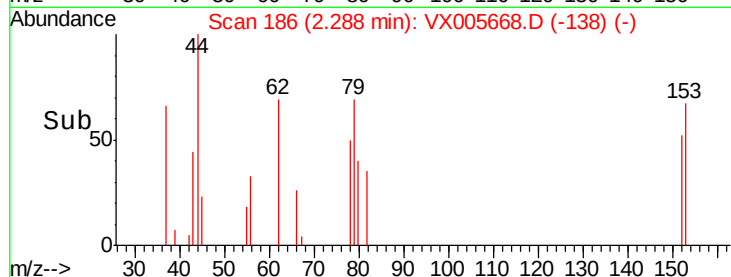
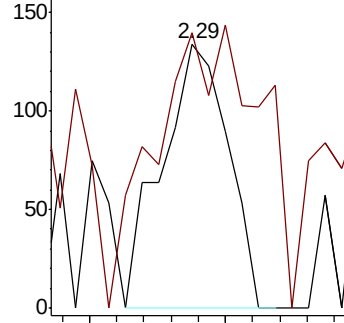
56 100

55 167.0 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.334 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX005668.D

Acq: 29 Oct 2018 18:44

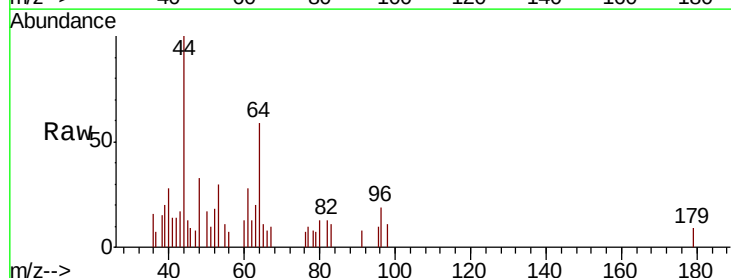
Tgt Ion: 53 Resp: 593

Ion Ratio Lower Upper

53 100

52 66.1 66.6 99.8#

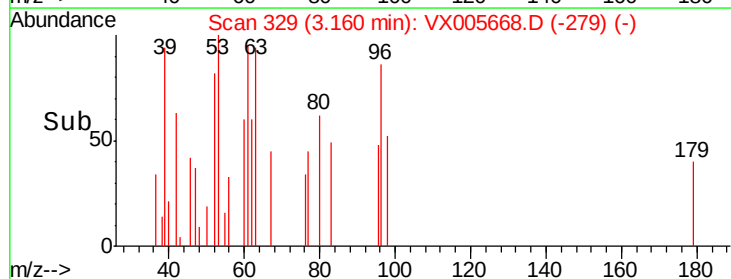
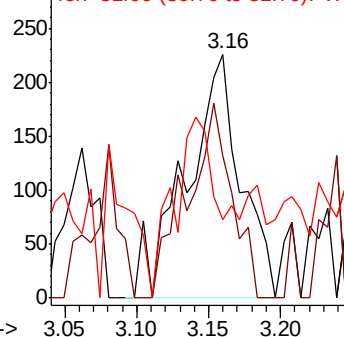
51 54.5 28.4 42.6#

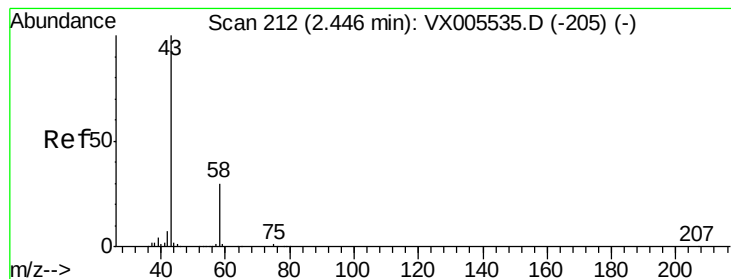


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.376 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005668.D

Acq: 29 Oct 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

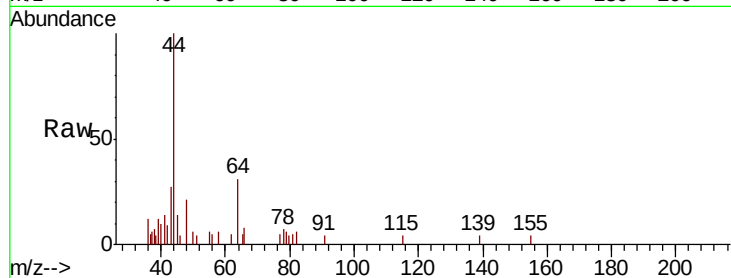
SA-PZ183I-20181025

Tot Ion: 43 Resp: 585

Ion Ratio Lower Upper

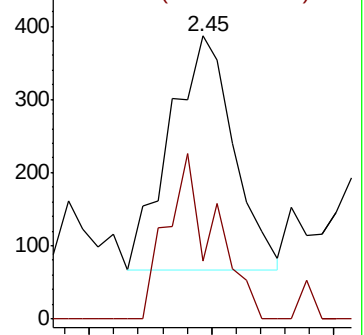
43 100

58 24.6 23.8 35.6

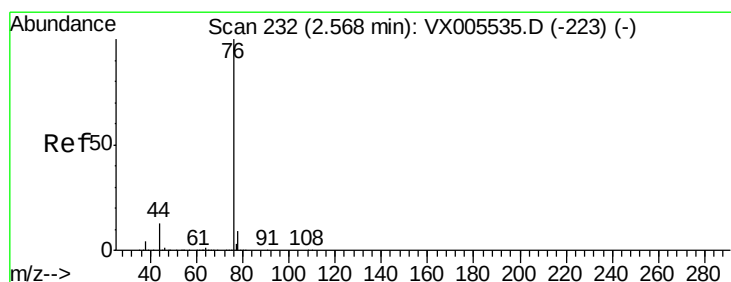
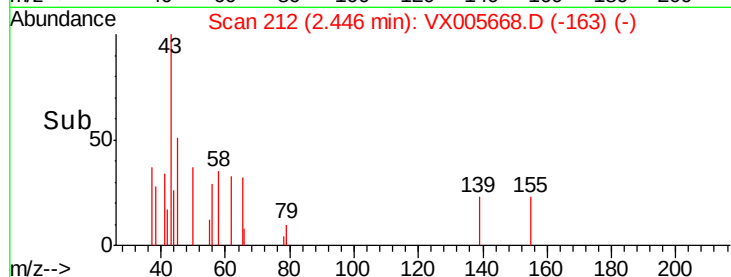


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#17

Carbon Disulfide

Concen: 0.221 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX005668.D

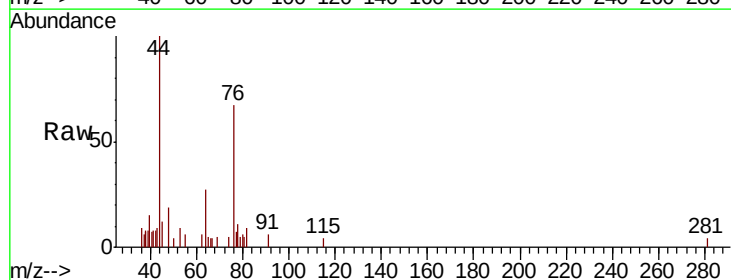
Acq: 29 Oct 2018 18:44

Tgt Ion: 76 Resp: 1521

Ion Ratio Lower Upper

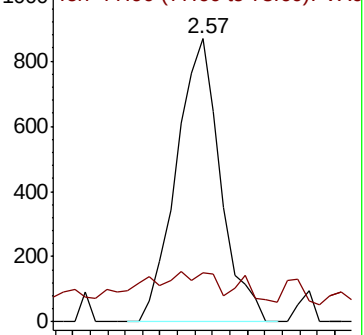
76 100

78 10.0 7.3 10.9

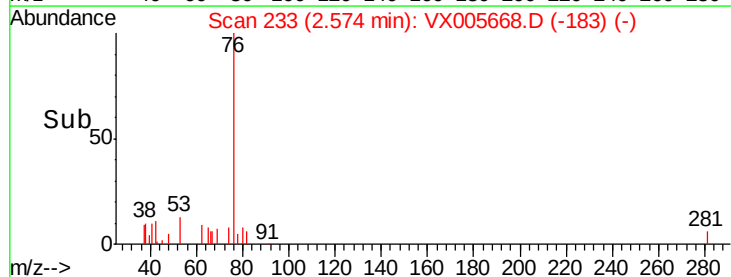


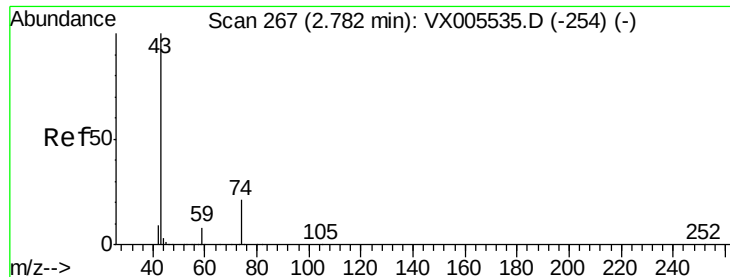
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->

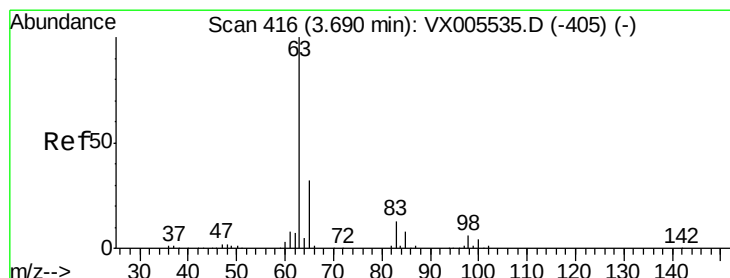
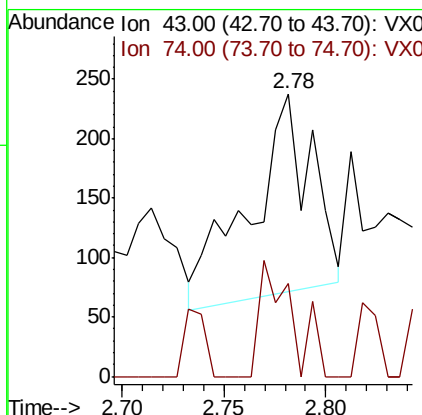
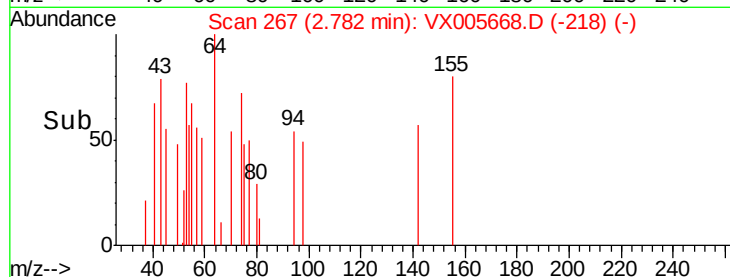
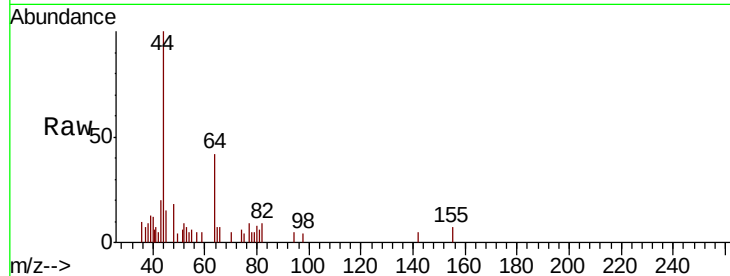




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005668.D
Acq: 29 Oct 2018 18:44

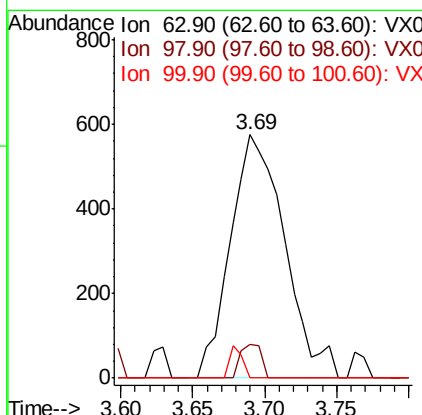
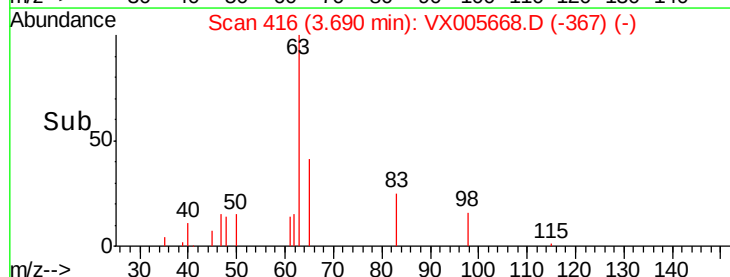
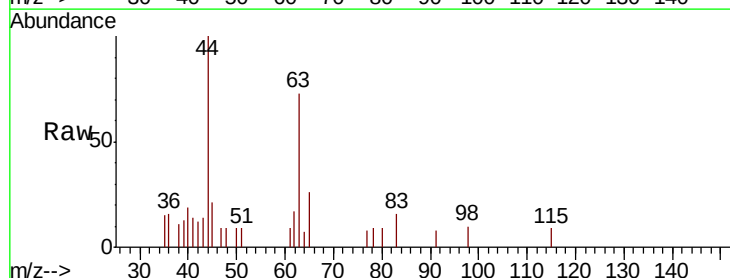
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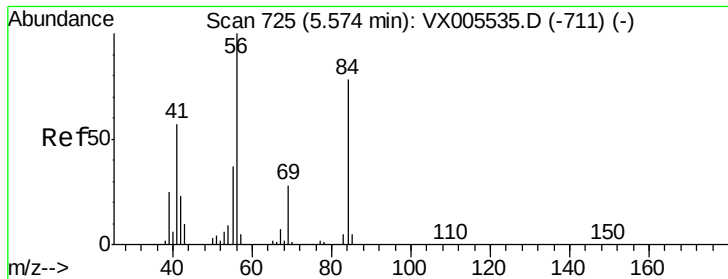
Tot Ion: 43 Resp: 352
Ion Ratio Lower Upper
43 100
74 31.3 16.8 25.2#



#24
1,1-Dichloroethane
Concen: 0.315 ug/l
RT: 3.69 min Scan# 416
Delta R.T. -0.00 min
Lab File: VX005668.D
Acq: 29 Oct 2018 18:44

Tgt Ion: 63 Resp: 1508
Ion Ratio Lower Upper
63 100
98 13.9 3.2 9.6#
100 0.0 2.1 6.2#

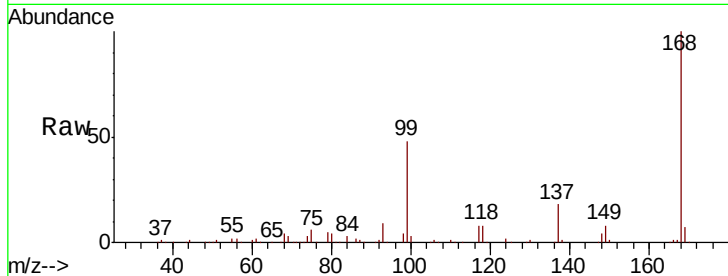




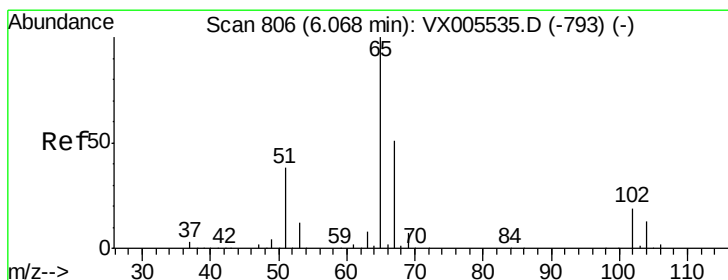
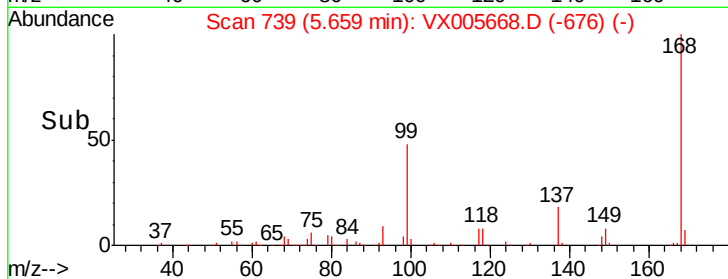
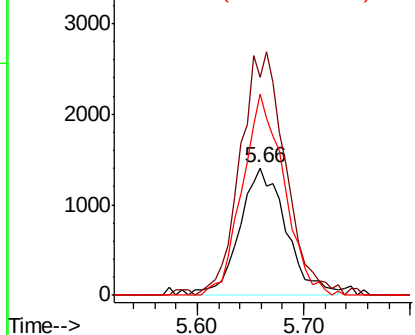
#31
Cyclohexane
Concen: 1.083 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005668.D
Acq: 29 Oct 2018 18:44

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ183I-20181025

Tot Ion: 56 Resp: 4295
Ion Ratio Lower Upper
56 100
69 167.7 22.6 34.0#
84 158.3 62.7 94.1#

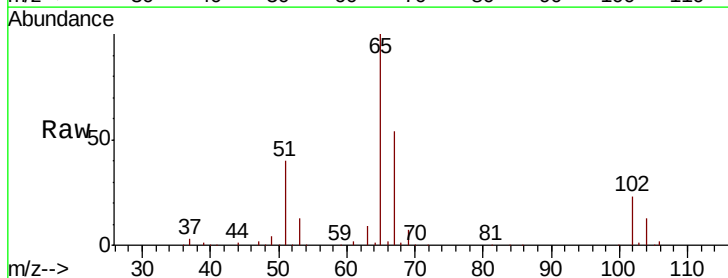


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

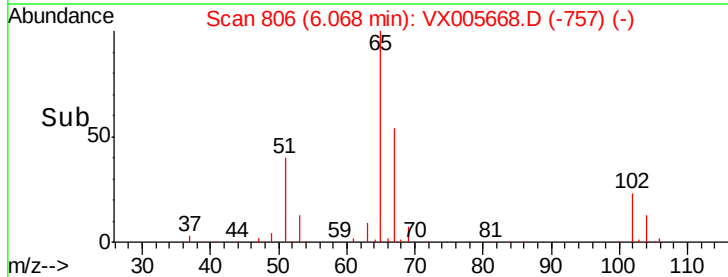
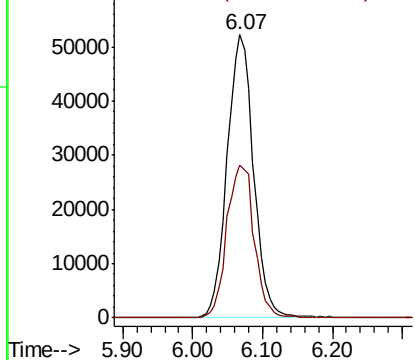


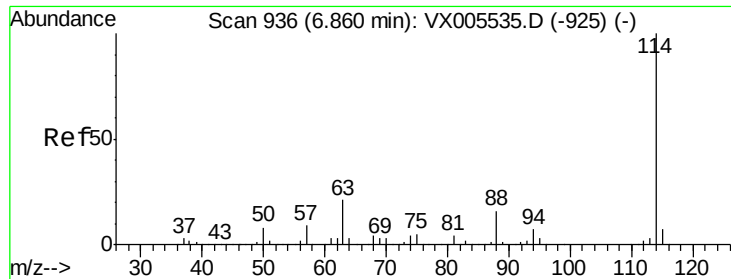
#33
1,2-Dichloroethane-d4
Concen: 46.612 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX005668.D
Acq: 29 Oct 2018 18:44

Tgt Ion: 65 Resp: 137080
Ion Ratio Lower Upper
65 100
67 55.9 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

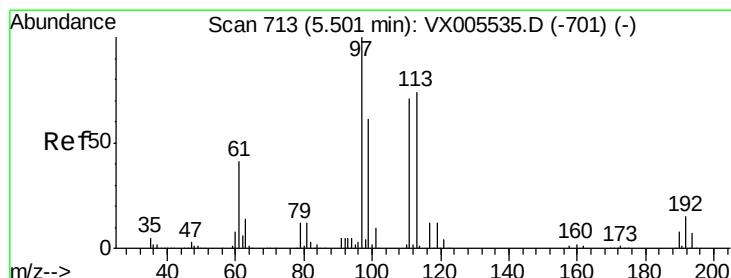
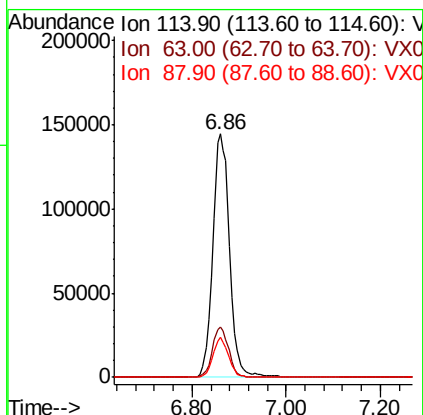
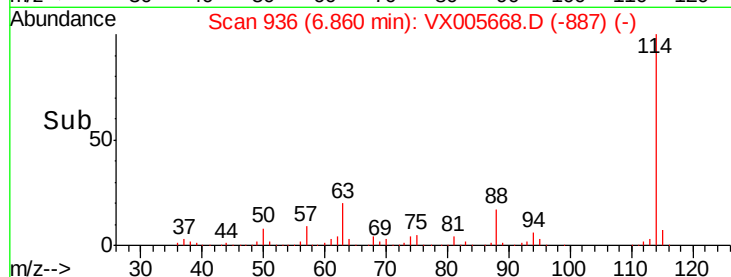
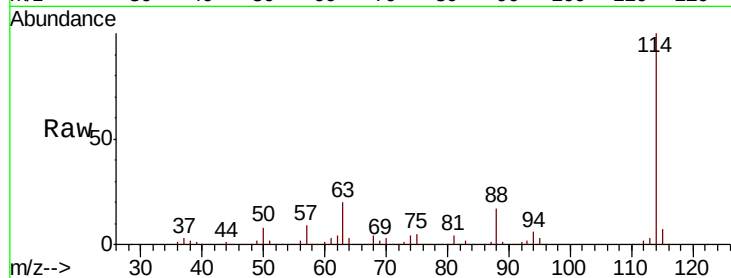




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005668.D
 Acq: 29 Oct 2018 18:44

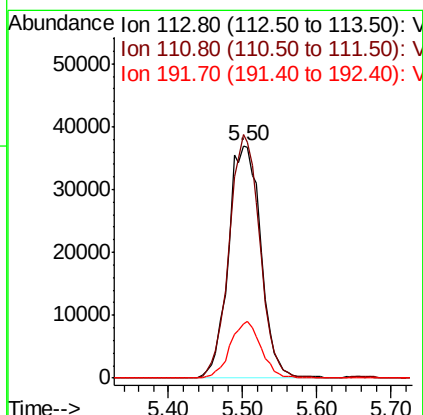
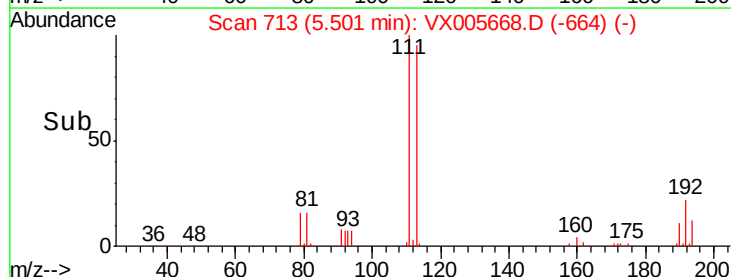
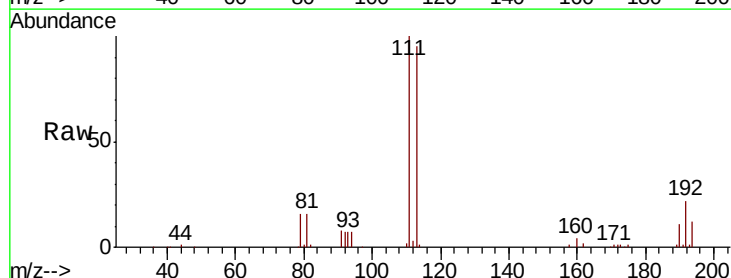
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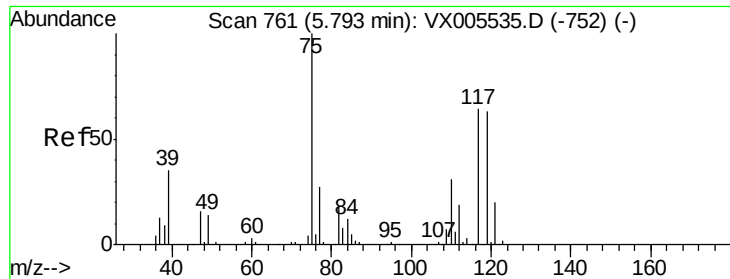
Tot Ion:114 Resp: 353773
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.8
 88 16.7 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 47.126 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005668.D
 Acq: 29 Oct 2018 18:44

Tgt Ion:113 Resp: 112889
 Ion Ratio Lower Upper
 113 100
 111 99.1 82.3 123.5
 192 23.0 17.9 26.9

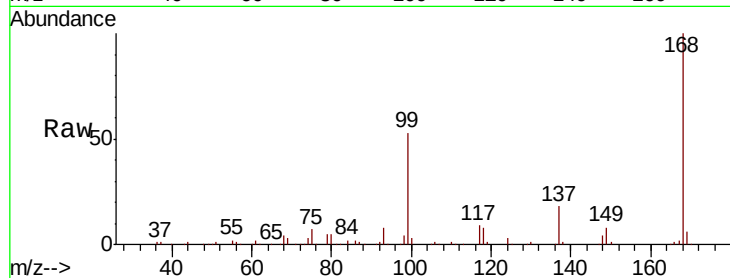




#36
 1,1-Dichloropropene
 Concen: 4.791 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005668.D
 Acq: 29 Oct 2018 18:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ1831-20181025

Tot Ion	75	Resp	16450
Ion Ratio	100	Lower	Upper
75	100		
110	9.3	17.4	52.2#
77	0.0	25.8	38.6#

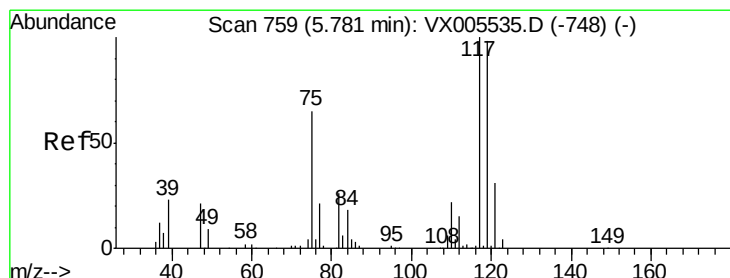
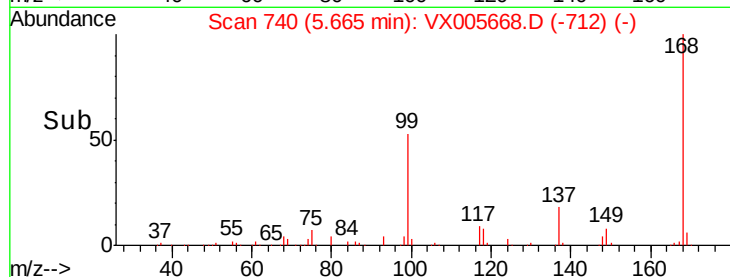
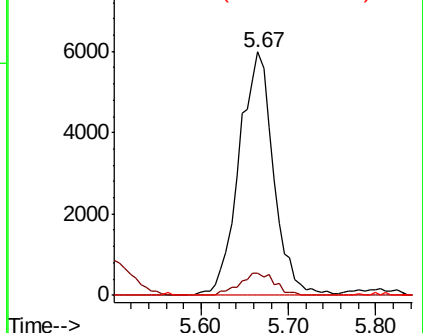


Abundance

Ion 74.90 (74.60 to 75.60): VX0

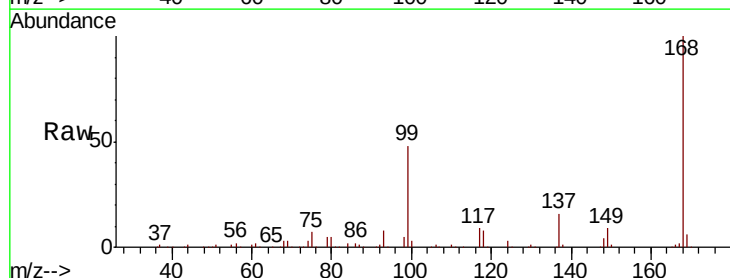
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38
 Carbon Tetrachloride
 Concen: 5.920 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.11 min
 Lab File: VX005668.D
 Acq: 29 Oct 2018 18:44

Tgt Ion	117	Resp	21407
Ion Ratio	100	Lower	Upper
117	100		
119	4.5	78.1	117.1#
121	0.0	24.6	36.8#

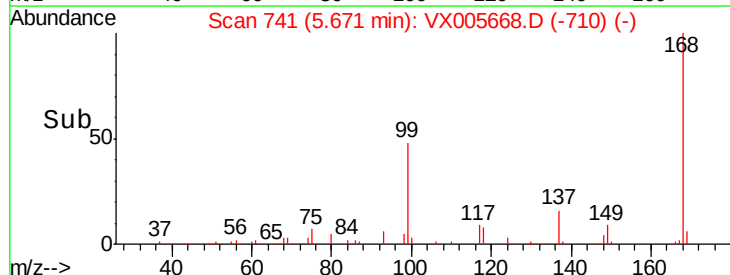
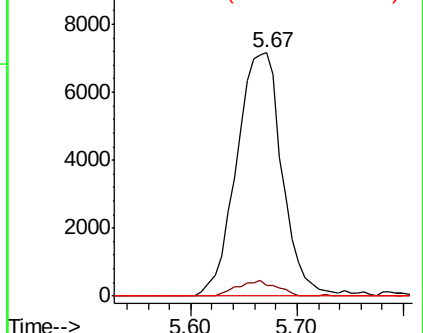


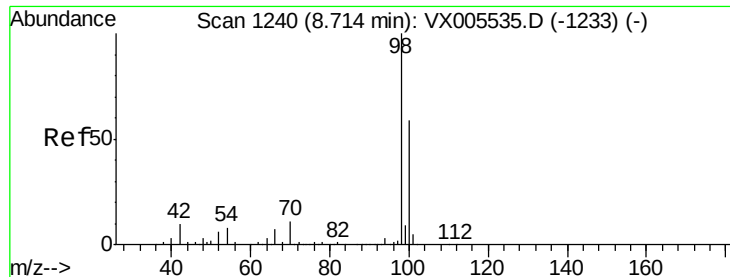
Abundance

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





#50

Toluene-d8

Concen: 47.068 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005668.D

Acq: 29 Oct 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

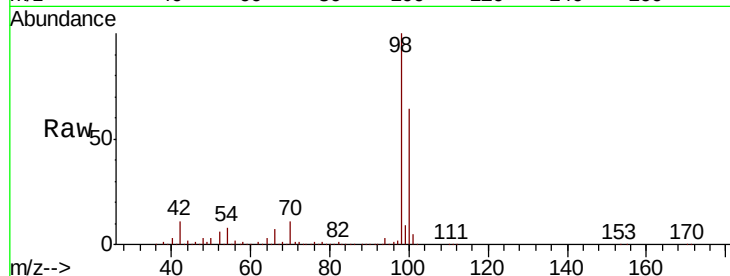
SA-PZ183I-20181025

Tot Ion: 98 Resp: 405132

Ion Ratio Lower Upper

98 100

100 64.0 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX005535.D (-1233) (-)

Ion 100.00 (99.70 to 100.70): VX005535.D (-1233) (-)

8.71

250000

200000

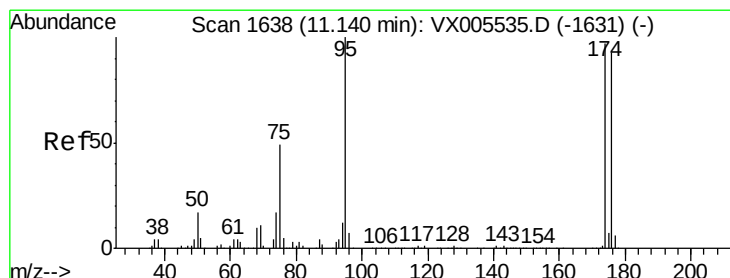
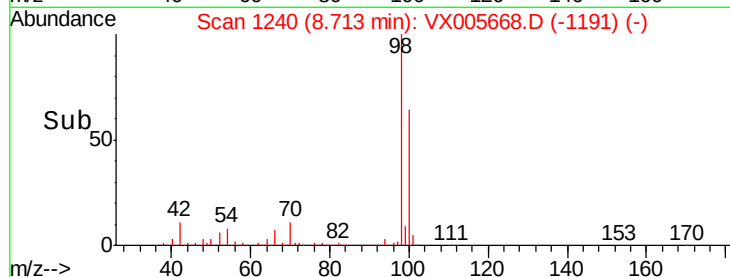
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.406 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005668.D

Acq: 29 Oct 2018 18:44

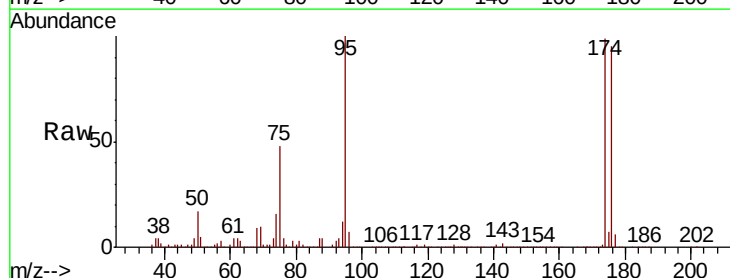
Tgt Ion: 95 Resp: 150844

Ion Ratio Lower Upper

95 100

174 91.4 0.0 184.4

176 89.0 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) (-)

11.14

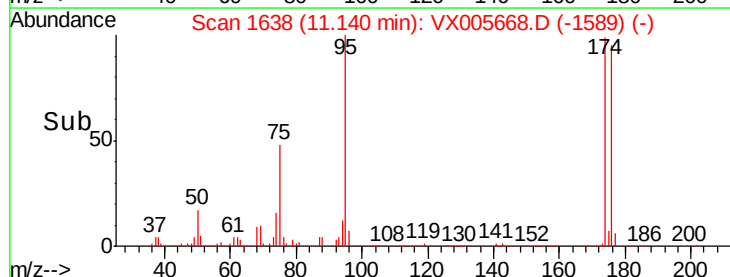
150000

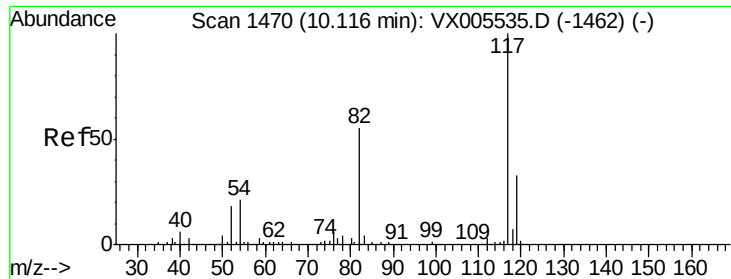
100000

50000

0

Time-->

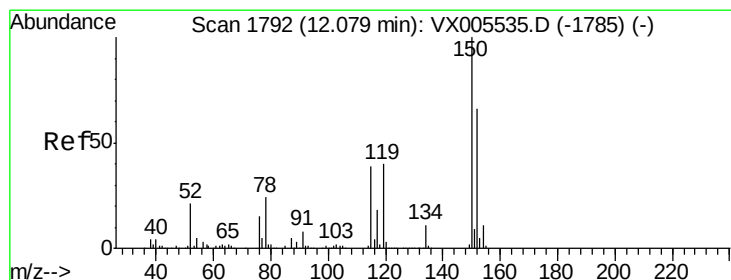
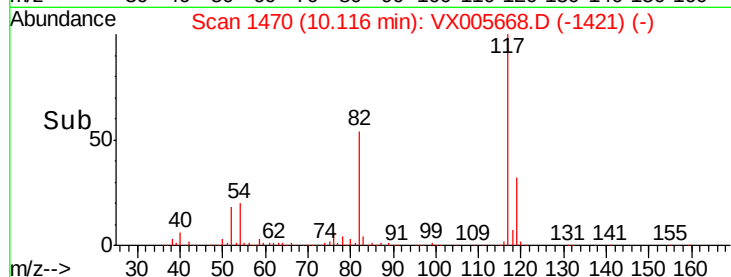
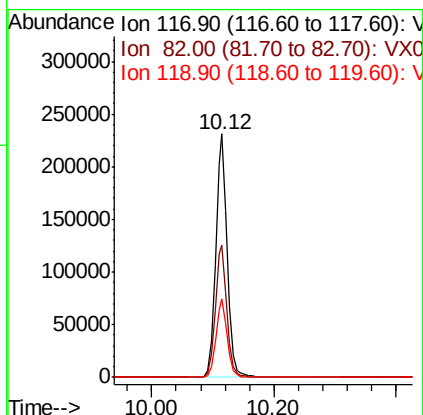
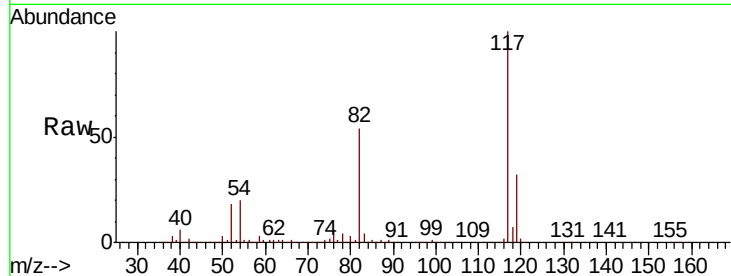




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005668.D
Acq: 29 Oct 2018 18:44

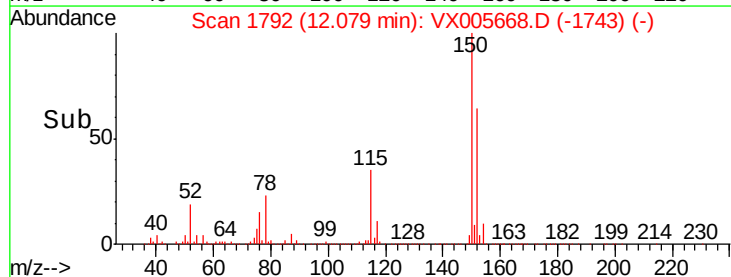
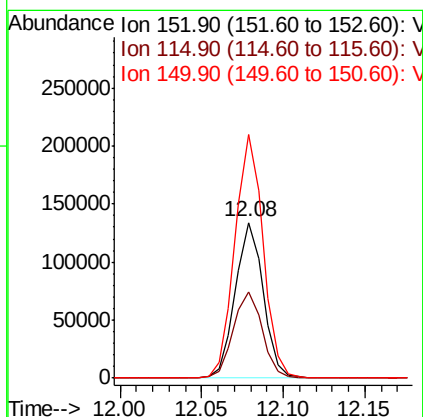
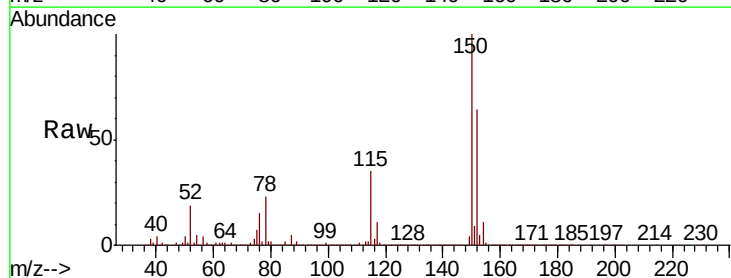
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ183I-20181025

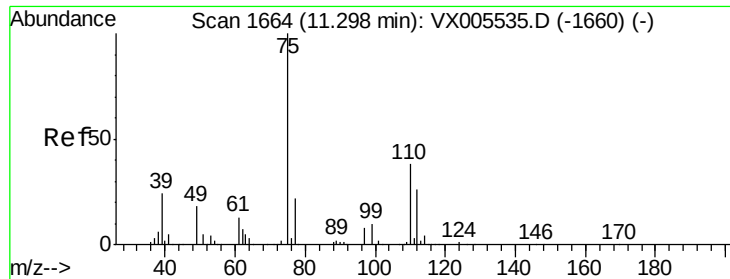
Tot Ion:117 Resp: 311286
Ion Ratio Lower Upper
117 100
82 54.3 44.1 66.1
119 32.4 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005668.D
Acq: 29 Oct 2018 18:44

Tgt Ion:152 Resp: 159777
Ion Ratio Lower Upper
152 100
115 56.6 39.4 118.1
150 158.0 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 21.850 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX005668.D

Acq: 29 Oct 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

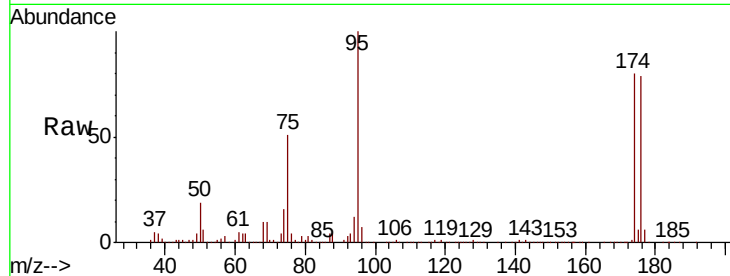
SA-PZ183I-20181025

Tot Ion: 75 Resp: 73970

Ion Ratio Lower Upper

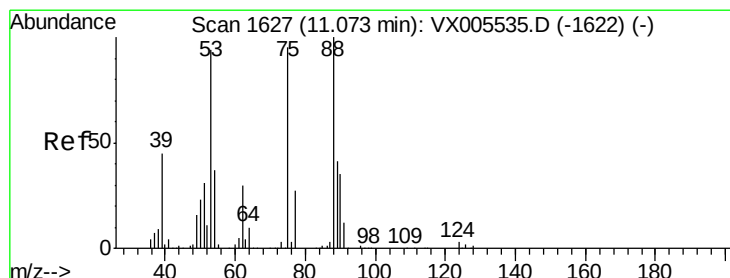
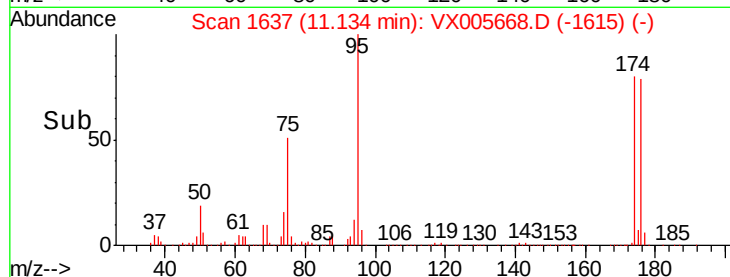
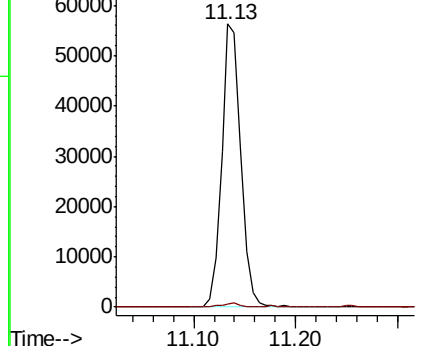
75 100

77 1.1 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: 71.397 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX005668.D

Acq: 29 Oct 2018 18:44

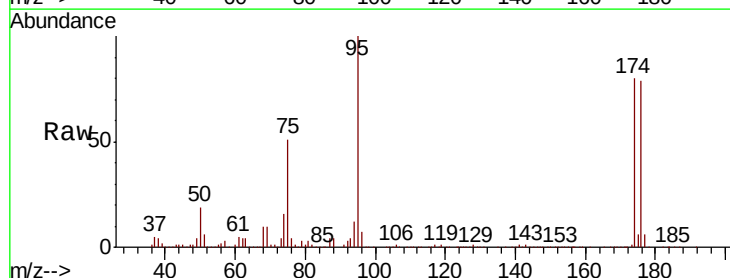
Tgt Ion: 75 Resp: 73970

Ion Ratio Lower Upper

75 100

53 0.1 80.2 120.2#

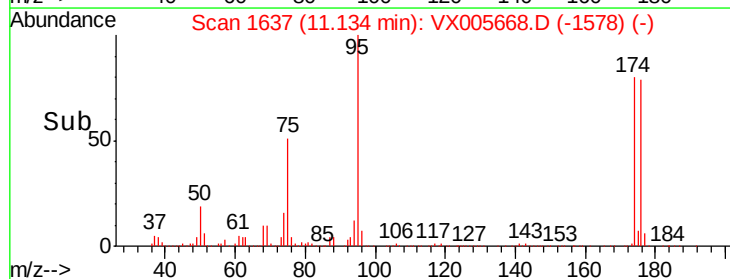
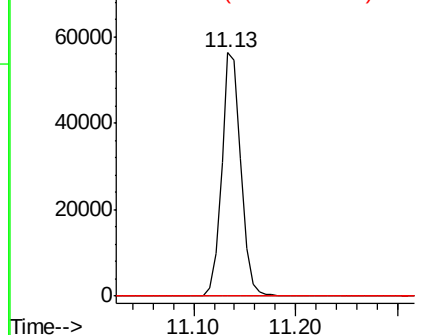
89 0.0 39.8 59.8#

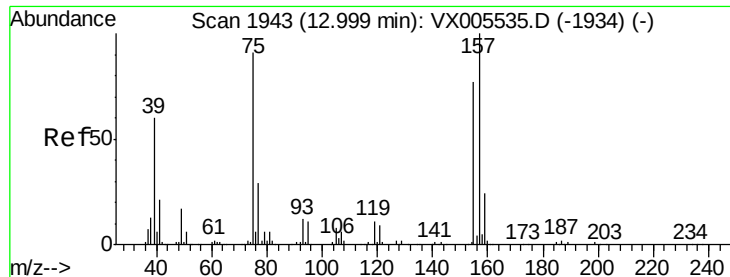


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.337 ug/l

RT: 13.01 min Scan# 1945

Delta R.T. 0.01 min

Lab File: VX005668.D

Acq: 29 Oct 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ183I-20181025

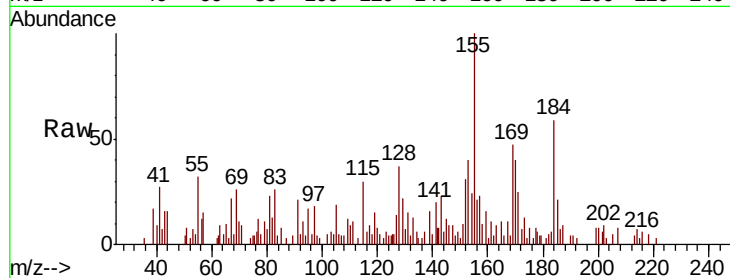
Tot Ion: 75 Resp: 294

Ion Ratio Lower Upper

75 100

155 0.0 45.4 136.1#

157 59.2 57.4 172.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

