

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
 Data File : VX005633.D
 Acq On : 27 Oct 2018 04:41
 Operator : JC/MD
 Sample : J5692-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ145I-20181024

Quant Time: Oct 27 06:05:11 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	258029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	384671	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	329104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	215207	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	151369	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
35) Dibromofluoromethane	5.50	113	119929	46.04	ug/l	0.00
Spiked Amount			Recovery	=	92.08%	
50) Toluene-d8	8.71	98	437388	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	
62) 4-Bromofluorobenzene	11.14	95	151442	42.85	ug/l	0.00
Spiked Amount			Recovery	=	85.70%	

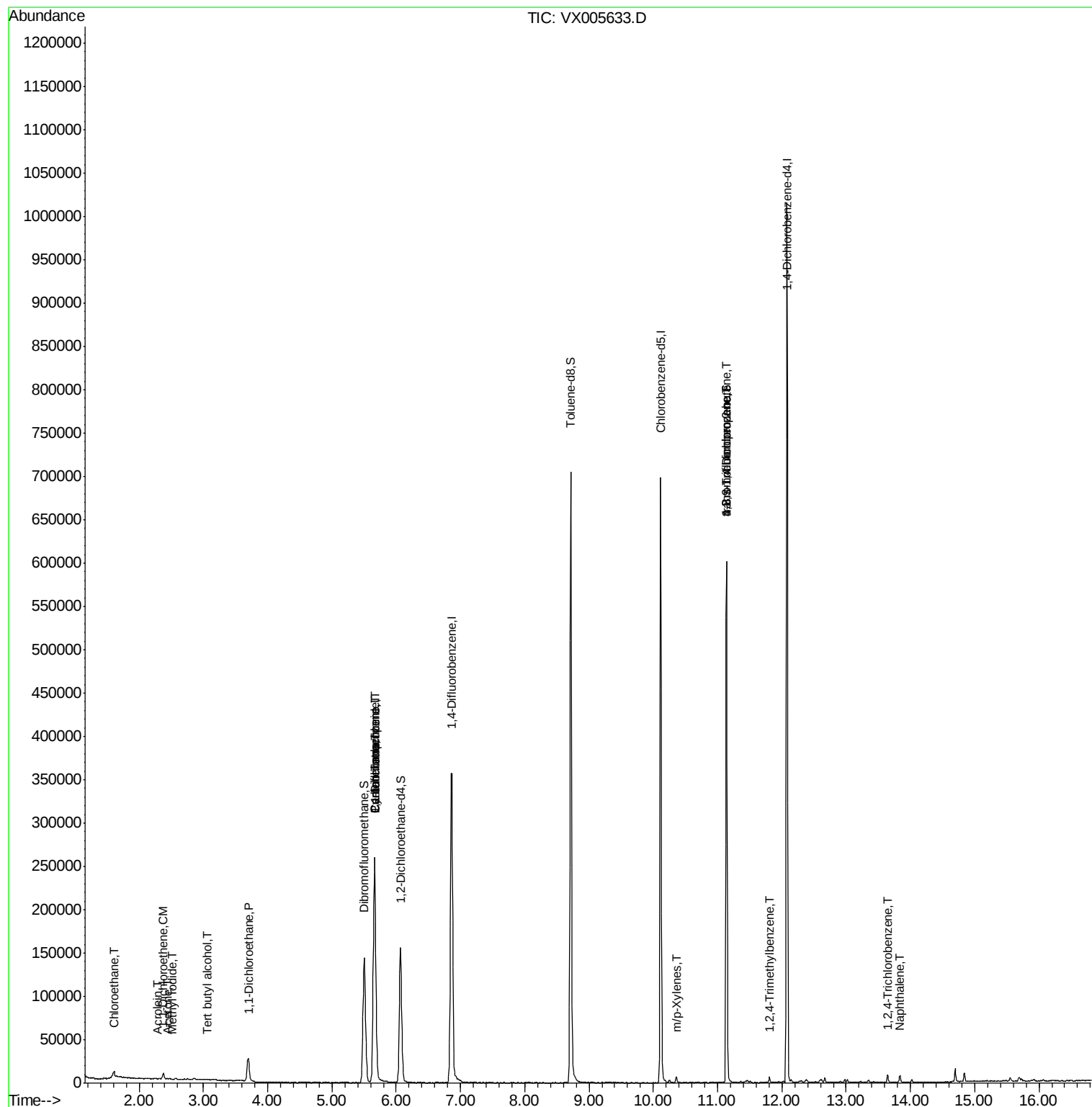
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.61	64	690	0.339	ug/l #	56
10) Methyl Iodide	2.51	142	225	2.805	ug/l #	70
11) Tert butyl alcohol	3.06	59	1023	1.207	ug/l	99
12) 1,1-Dichloroethene	2.38	96	2481	1.024	ug/l	90
13) Acrolein	2.29	56	145	0.335	ug/l #	43
16) Acetone	2.45	43	562	0.338	ug/l #	51
18) Methyl Acetate	2.78	43	92	Below Cal	#	50
24) 1,1-Dichloroethane	3.70	63	31551	6.148	ug/l	97
31) Cyclohexane	5.66	56	4798	1.130	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17737	4.751	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23546	5.989	ug/l #	14
68) m/p-Xylenes	10.36	106	1616	0.361	ug/l	88
76) 1,2,3-Trichloropropane	11.14	75	74713	16.385	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	74713	53.540	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	2552	0.224	ug/l	88
93) 1,2,4-Trichlorobenzene	13.65	180	2302	0.455	ug/l	99
95) Naphthalene	13.83	128	5923	0.403	ug/l	97

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

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QLast Update : Thu Oct 25 02:52:45 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005633.D

Acq: 27 Oct 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

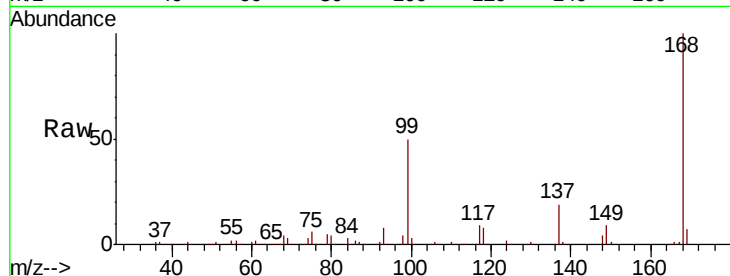
SA-PZ145I-20181024

Tot Ion:168 Resp: 258029

Ion Ratio Lower Upper

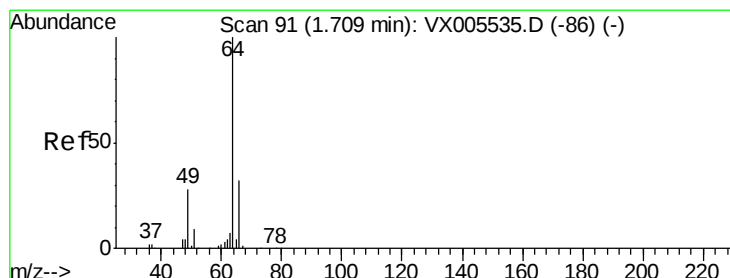
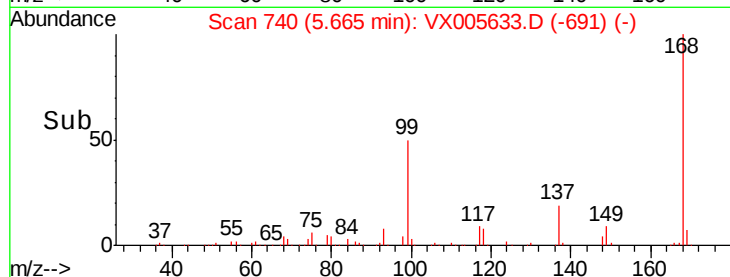
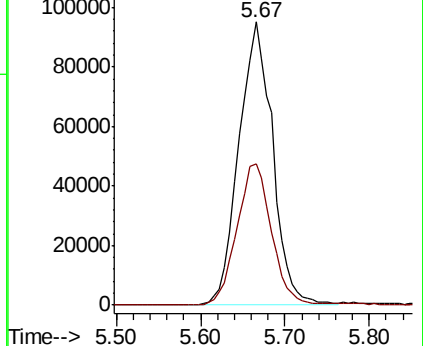
168 100

99 49.8 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.339 ug/l

RT: 1.61 min Scan# 74

Delta R.T. -0.10 min

Lab File: VX005633.D

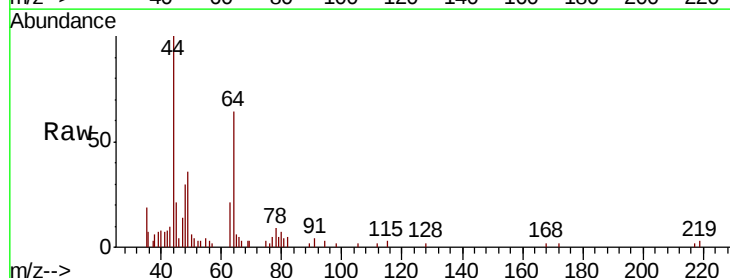
Acq: 27 Oct 2018 04:41

Tgt Ion: 64 Resp: 690

Ion Ratio Lower Upper

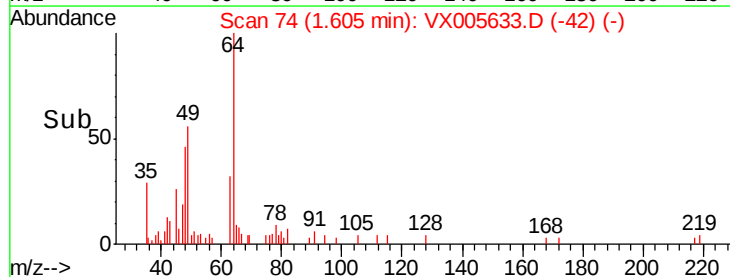
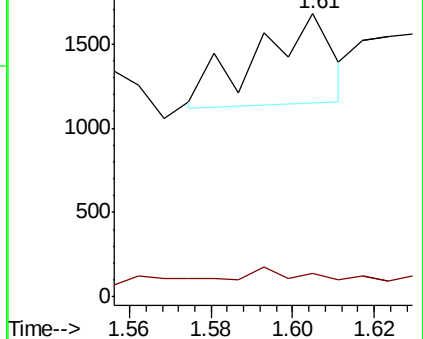
64 100

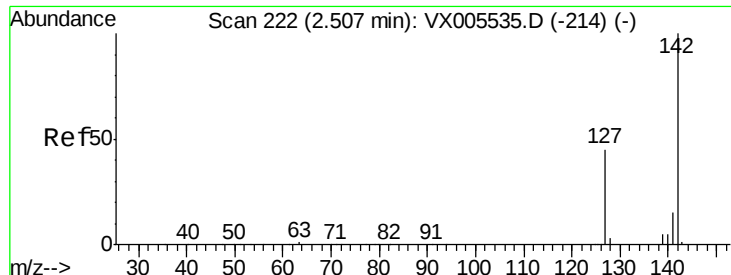
66 7.7 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

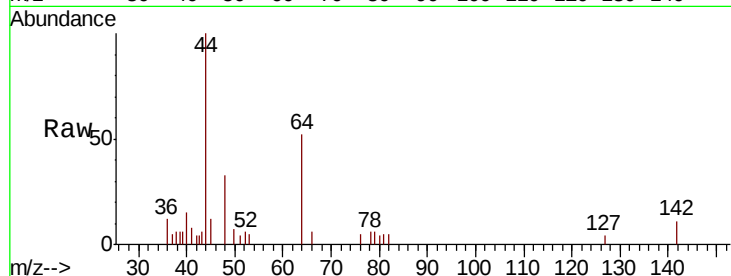




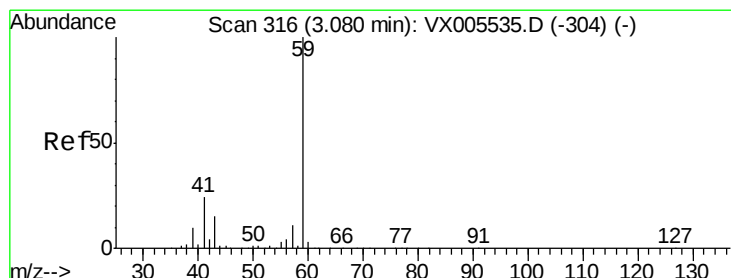
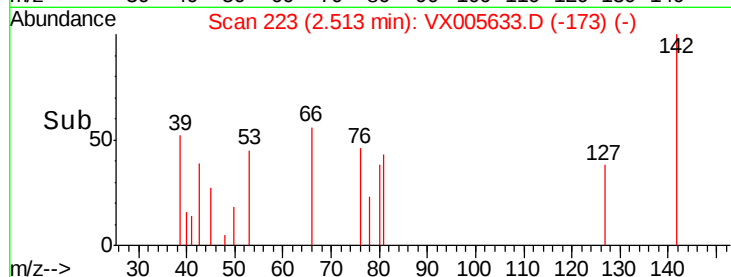
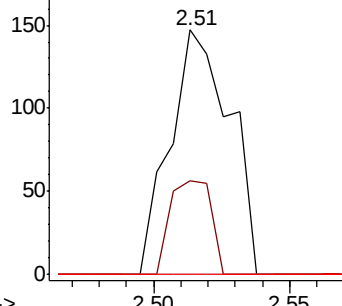
#10
Methyl Iodide
Concen: 2.805 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX005633.D
Acq: 27 Oct 2018 04:41

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ145I-20181024

Tot Ion:142 Resp: 225
Ion Ratio Lower Upper
142 100
127 26.2 36.0 54.0#
141 0.0 11.7 17.5#

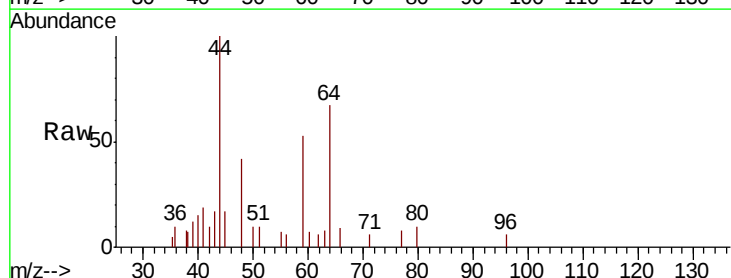


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

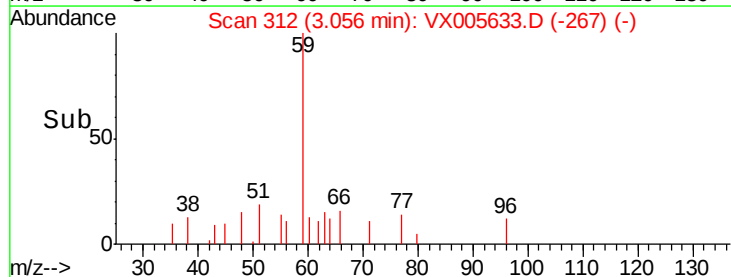
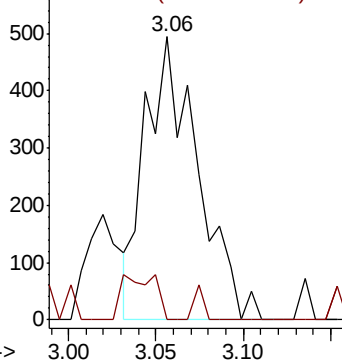


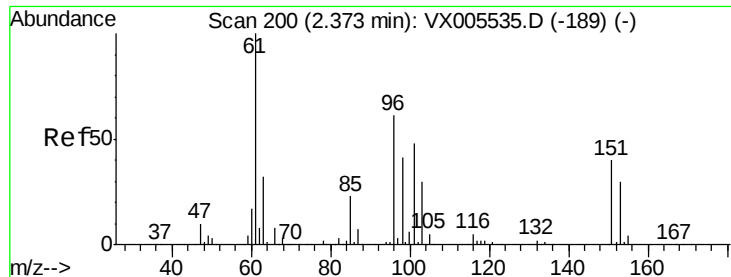
#11
Tert butyl alcohol
Concen: 1.207 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX005633.D
Acq: 27 Oct 2018 04:41

Tgt Ion: 59 Resp: 1023
Ion Ratio Lower Upper
59 100
57 10.2 8.5 12.7



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





#12

1,1-Dichloroethene

Concen: 1.024 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX005633.D

Acq: 27 Oct 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ145I-20181024

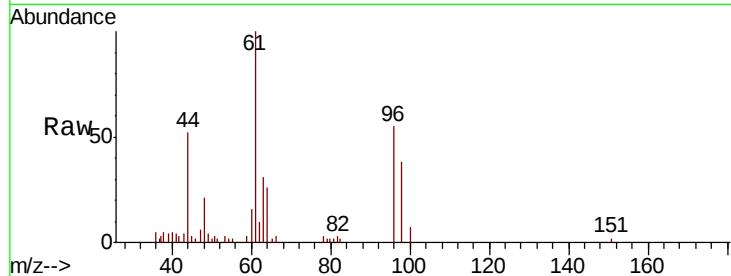
Tot Ion: 96 Resp: 2481

Ion Ratio Lower Upper

96 100

61 182.4 131.8 197.8

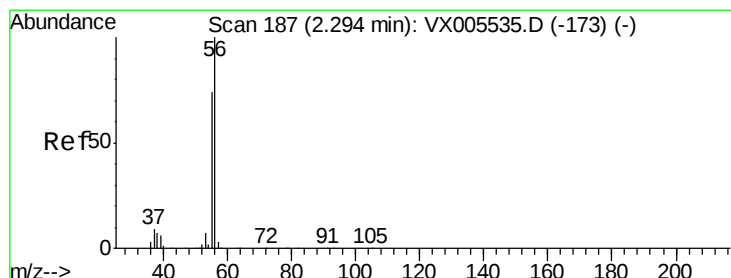
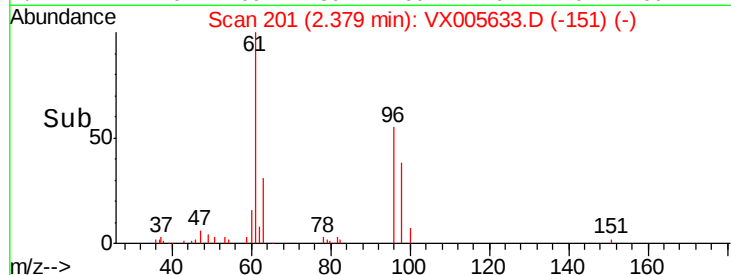
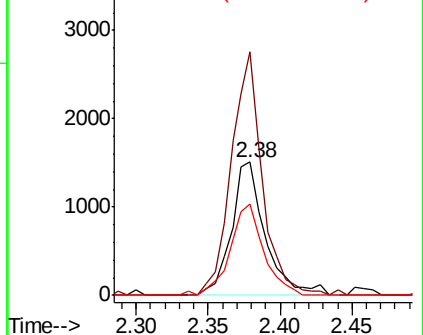
98 68.8 53.4 80.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 0.335 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005633.D

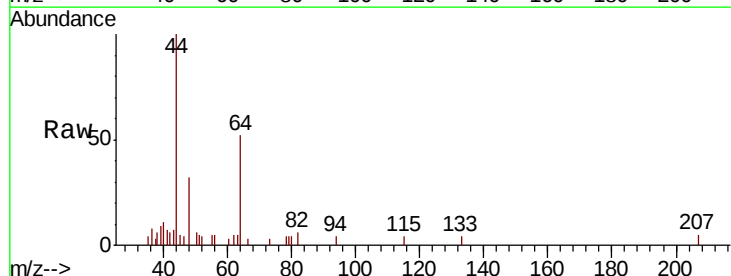
Acq: 27 Oct 2018 04:41

Tgt Ion: 56 Resp: 145

Ion Ratio Lower Upper

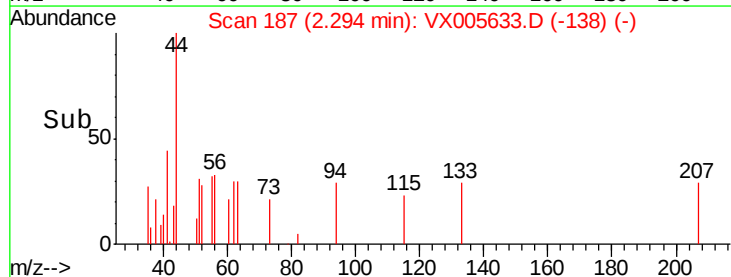
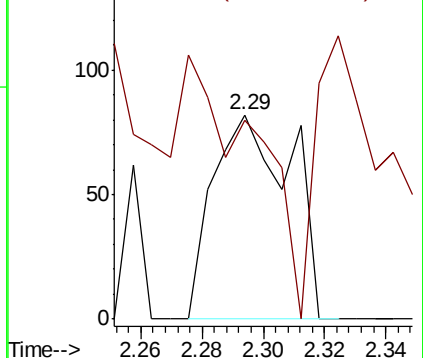
56 100

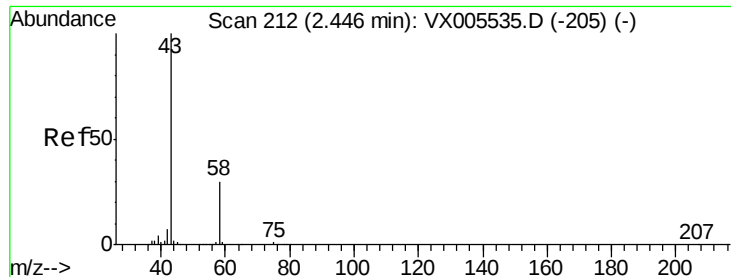
55 119.3 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.338 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX005633.D

Acq: 27 Oct 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

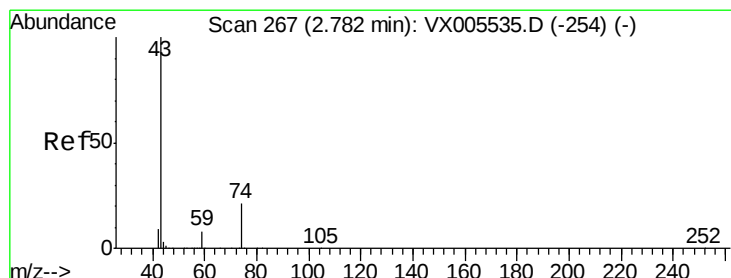
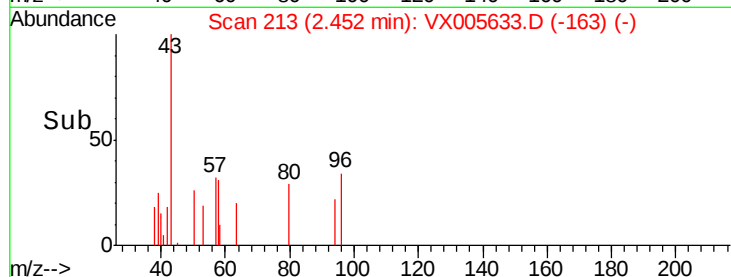
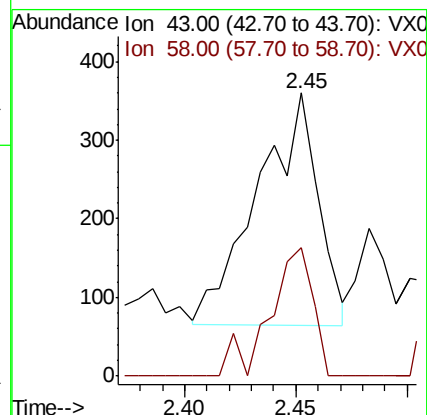
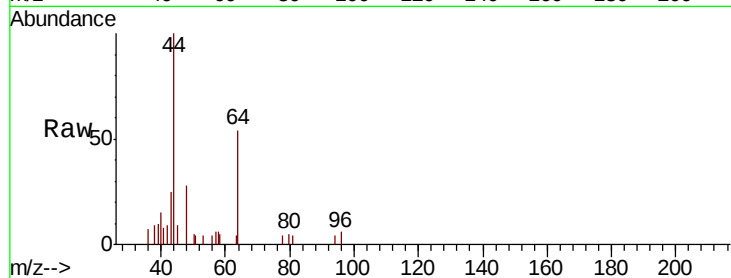
SA-PZ145I-20181024

Tot Ion: 43 Resp: 562

Ion Ratio Lower Upper

43 100

58 56.4 23.8 35.6#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005633.D

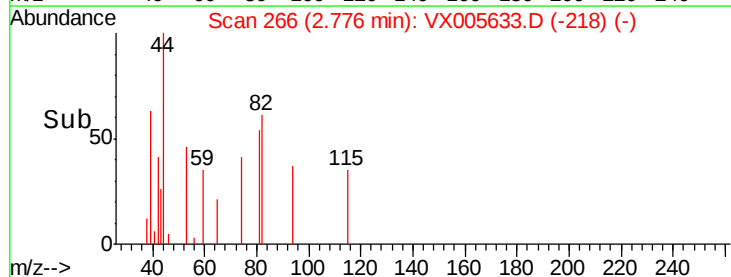
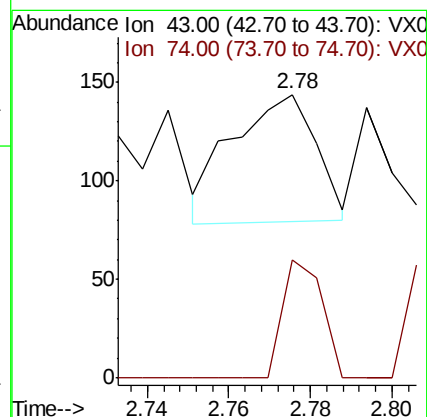
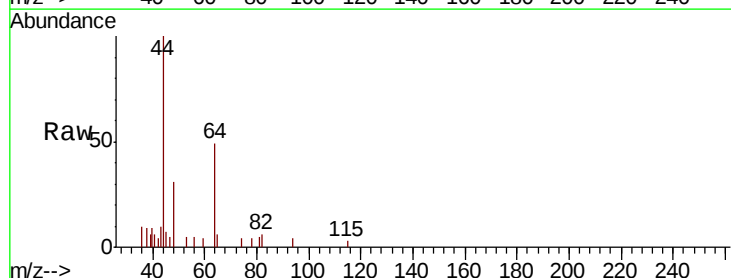
Acq: 27 Oct 2018 04:41

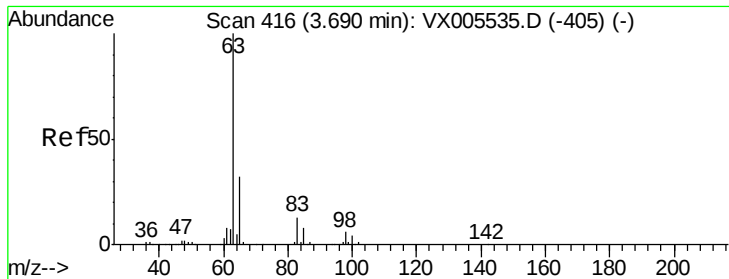
Tgt Ion: 43 Resp: 92

Ion Ratio Lower Upper

43 100

74 44.6 16.8 25.2#





#24

1,1-Dichloroethane

Concen: 6.148 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005633.D

Acq: 27 Oct 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ145I-20181024

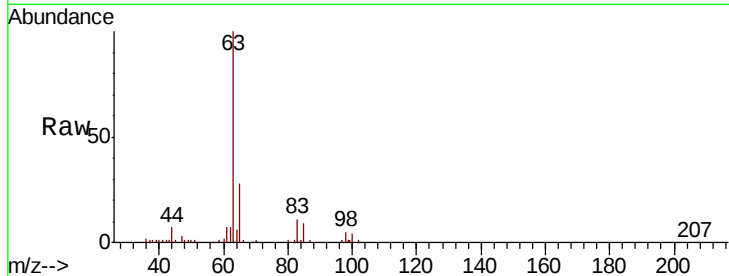
Tot Ion: 63 Resp: 31551

Ion Ratio Lower Upper

63 100

98 5.0 3.2 9.6

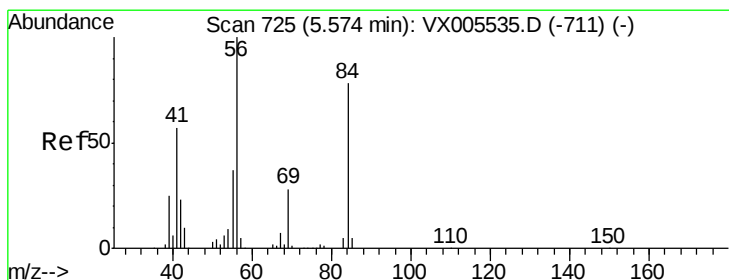
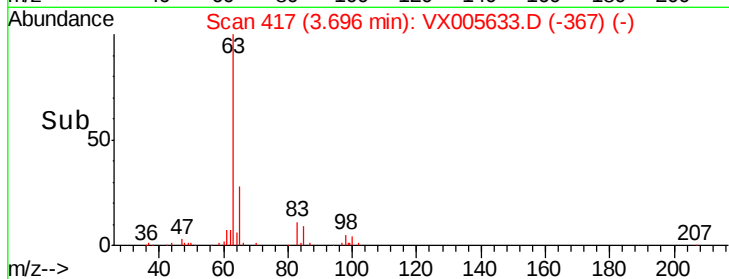
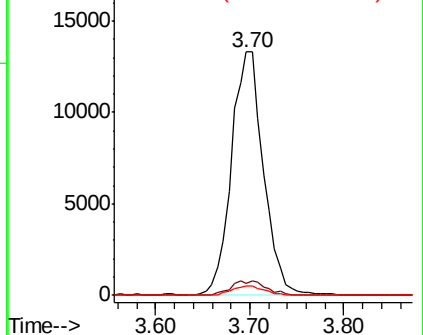
100 4.0 2.1 6.2



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: 1.130 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005633.D

Acq: 27 Oct 2018 04:41

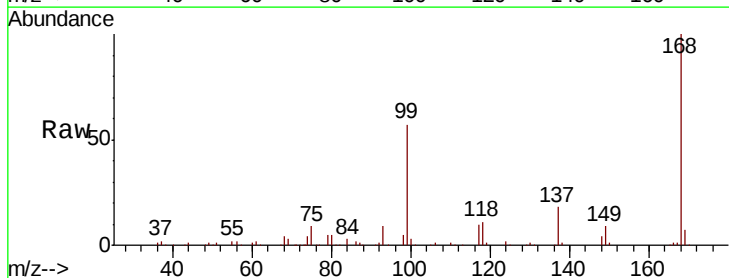
Tgt Ion: 56 Resp: 4798

Ion Ratio Lower Upper

56 100

69 165.3 22.6 34.0#

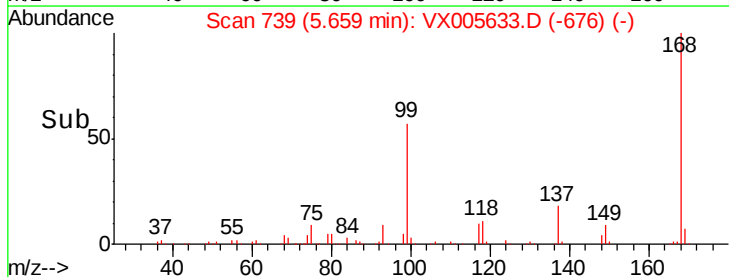
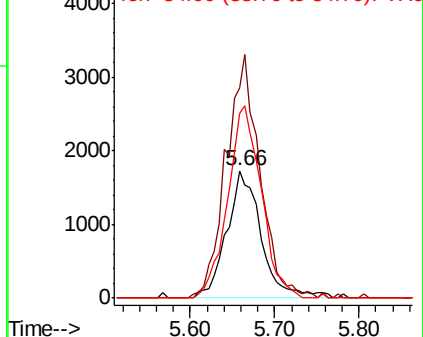
84 144.4 62.7 94.1#

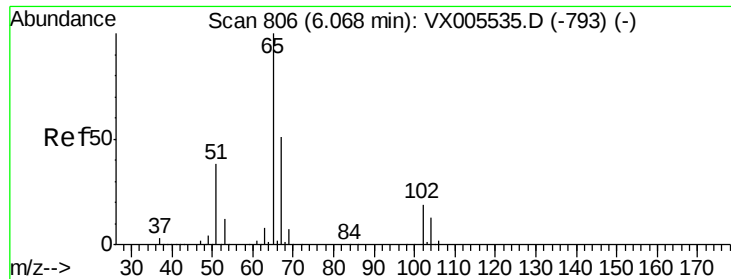


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.058 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005633.D

Acq: 27 Oct 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

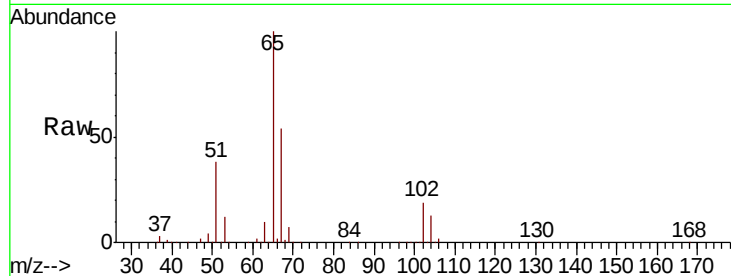
SA-PZ145I-20181024

Tot Ion: 65 Resp: 151369

Ion Ratio Lower Upper

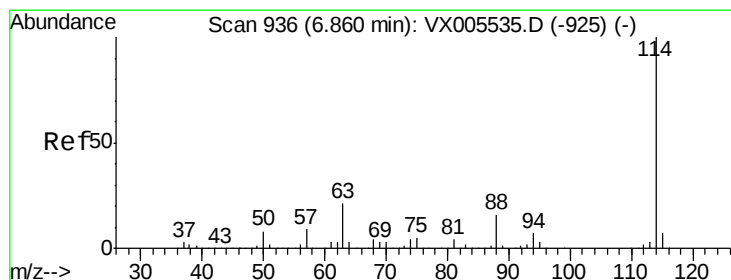
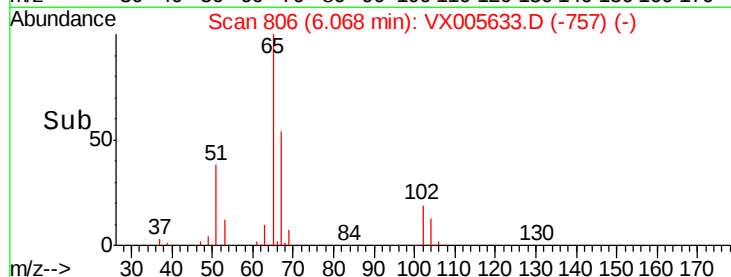
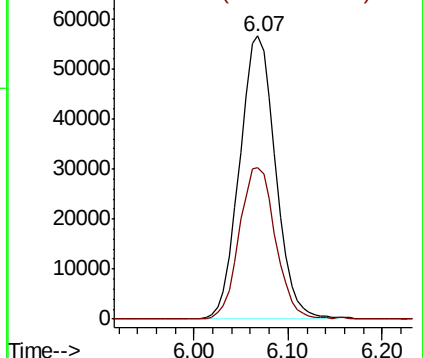
65 100

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: VX005633.D

Acq: 27 Oct 2018 04:41

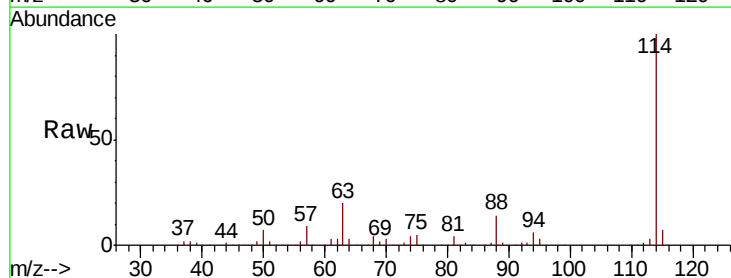
Tgt Ion: 114 Resp: 384671

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.8

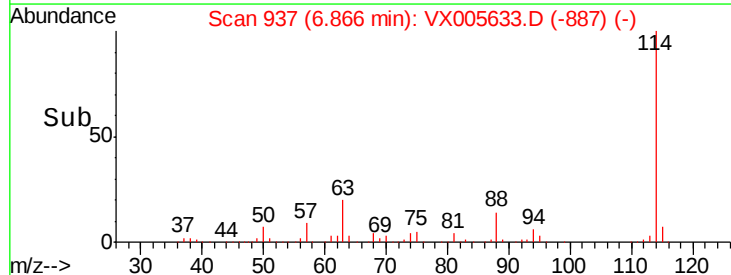
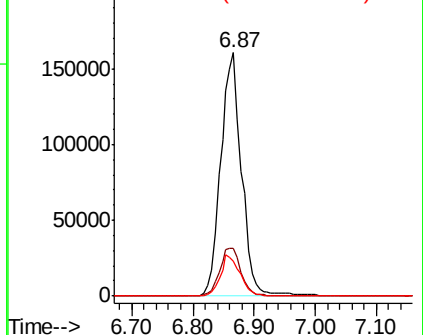
88 14.2 0.0 31.2

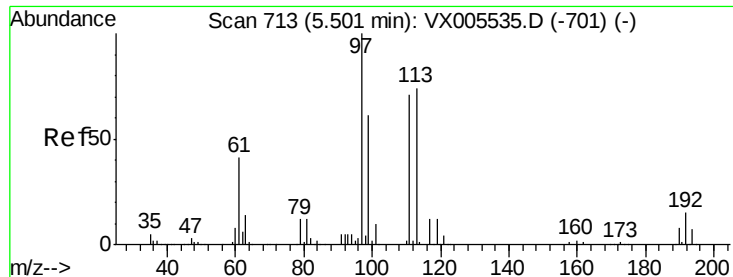


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

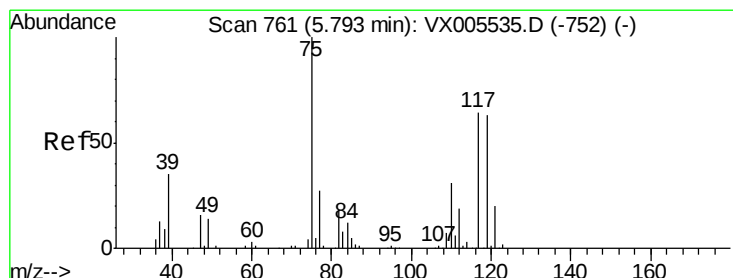
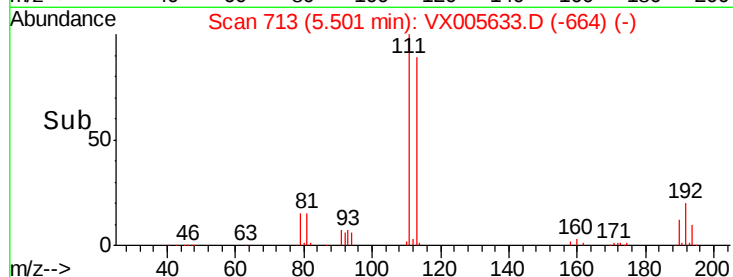
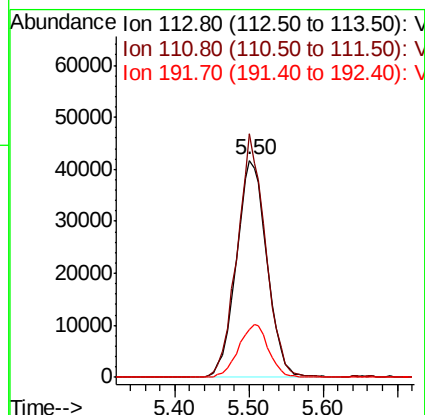
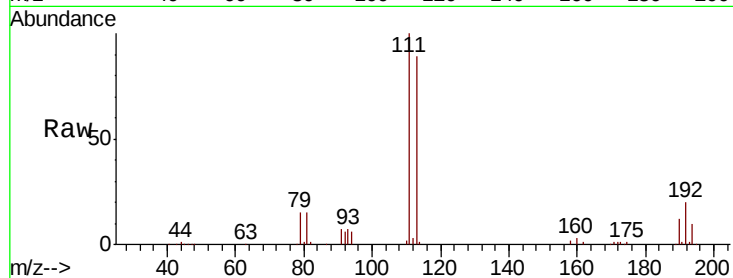




#35
 Dibromofluoromethane
 Concen: 46.044 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005633.D
 Acq: 27 Oct 2018 04:41

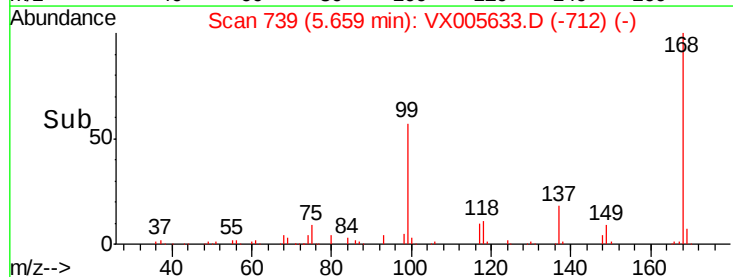
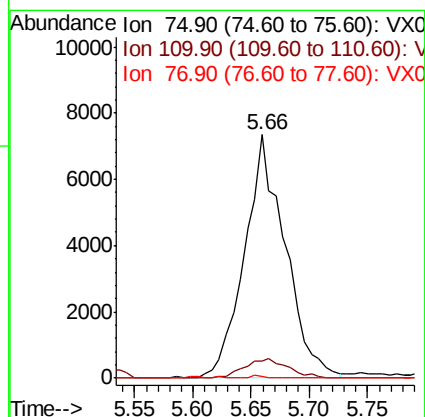
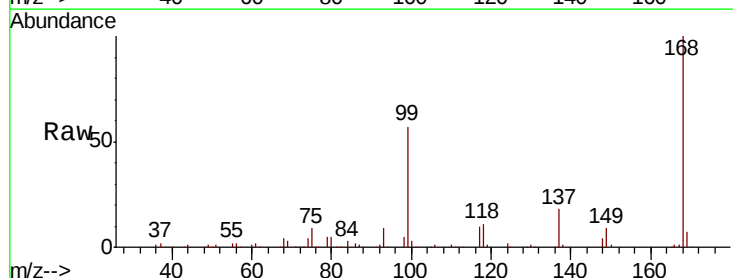
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ145I-20181024

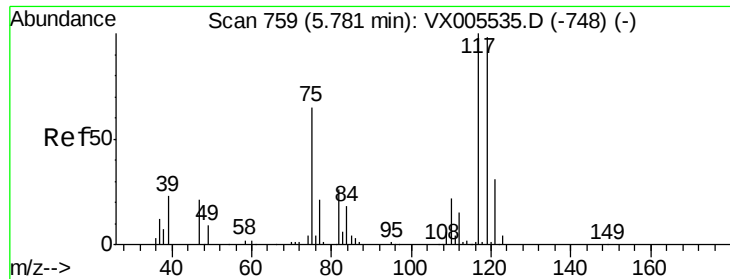
Tot Ion:113 Resp: 119929
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.3 123.5
 192 23.9 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.751 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX005633.D
 Acq: 27 Oct 2018 04:41

Tgt Ion: 75 Resp: 17737
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.4 52.2#
 77 0.3 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 5.989 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005633.D

Acq: 27 Oct 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ145I-20181024

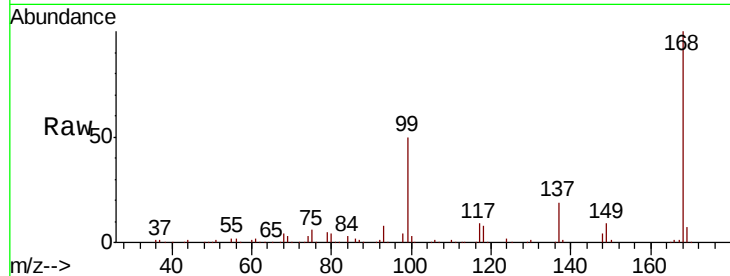
Tot Ion:117 Resp: 23546

Ion Ratio Lower Upper

117 100

119 4.1 78.1 117.1#

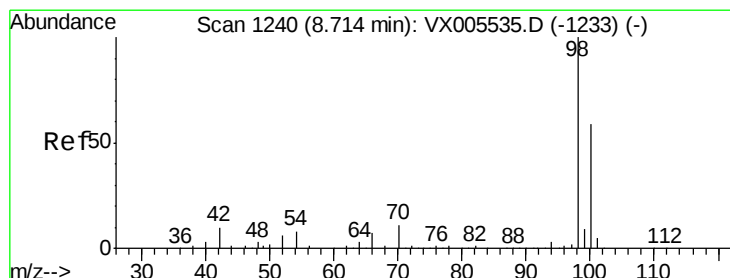
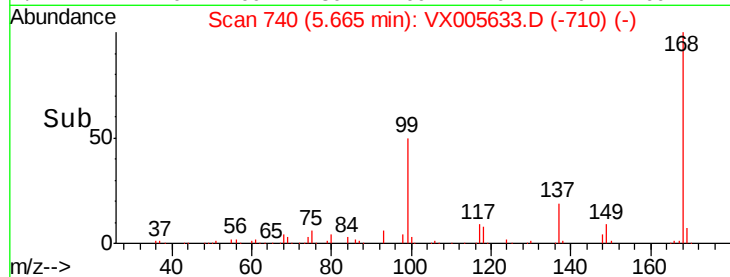
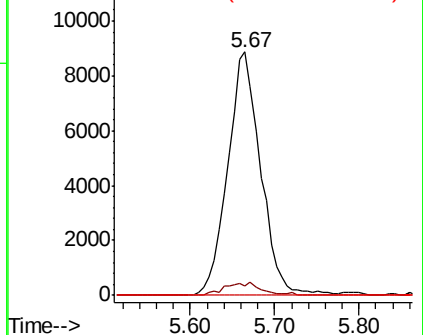
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 46.734 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005633.D

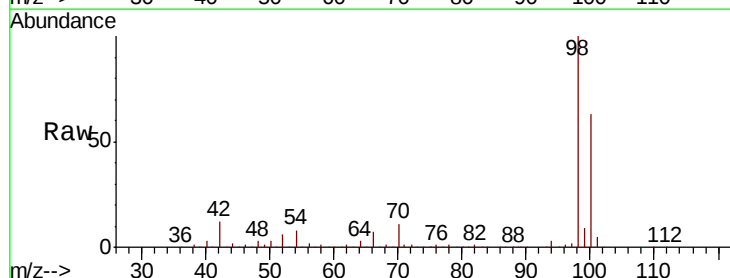
Acq: 27 Oct 2018 04:41

Tgt Ion: 98 Resp: 437388

Ion Ratio Lower Upper

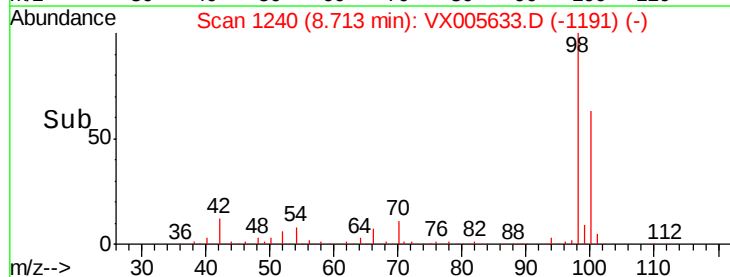
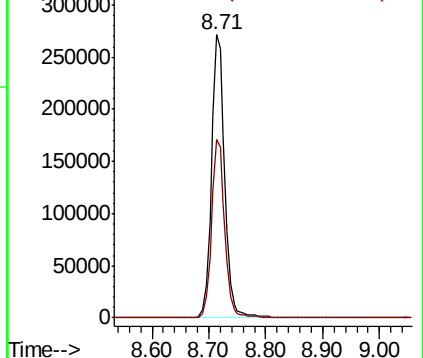
98 100

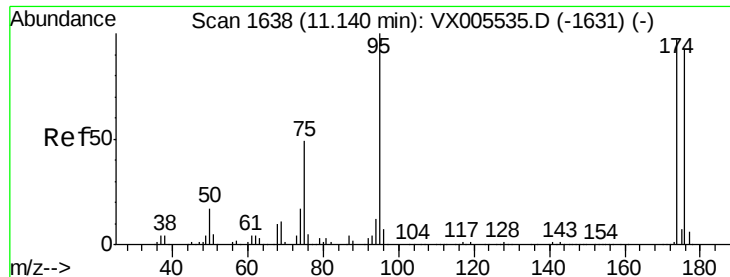
100 63.1 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 42.848 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005633.D

Acq: 27 Oct 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ145I-20181024

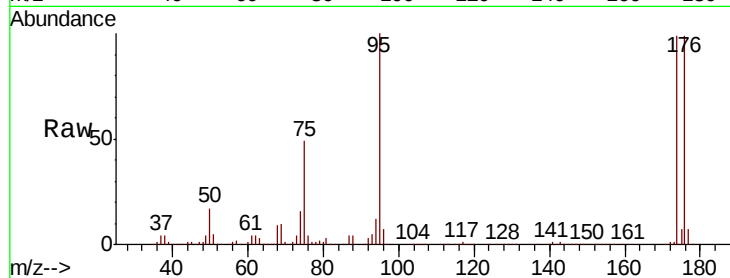
Tot Ion: 95 Resp: 151442

Ion Ratio Lower Upper

95 100

174 92.6 0.0 184.4

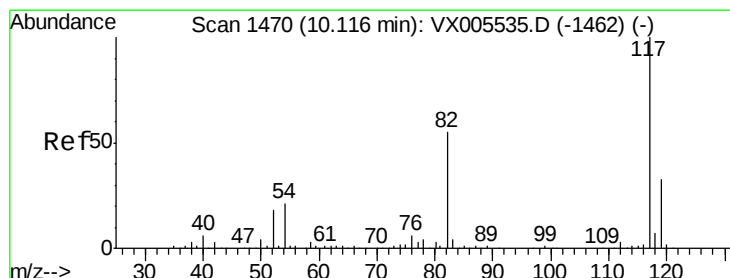
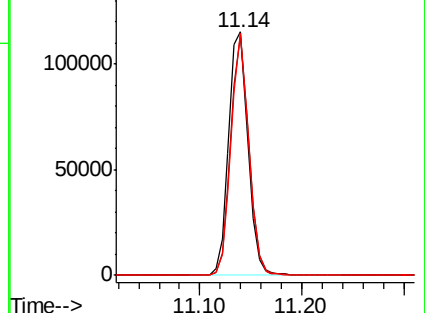
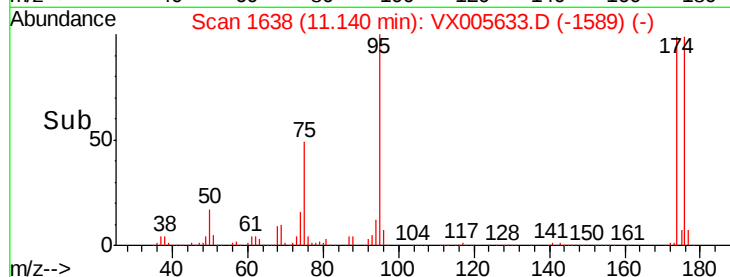
176 90.7 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005633.D

Acq: 27 Oct 2018 04:41

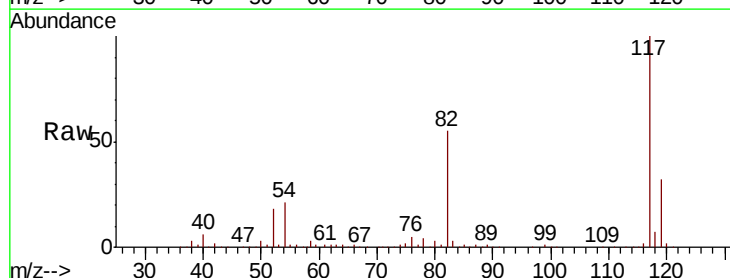
Tgt Ion: 117 Resp: 329104

Ion Ratio Lower Upper

117 100

82 55.1 44.1 66.1

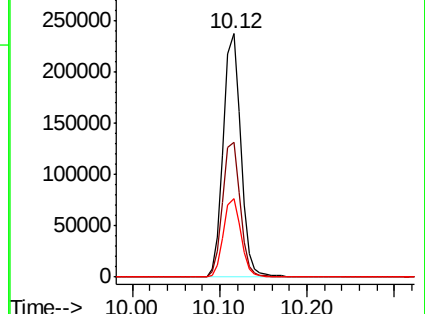
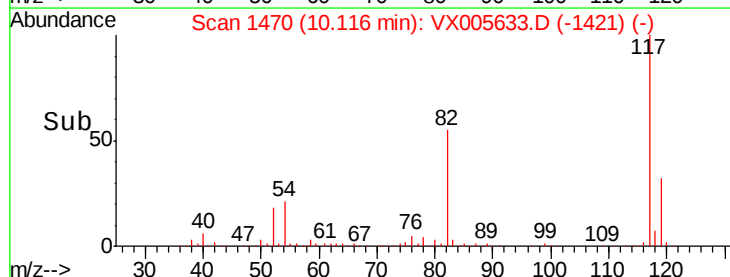
119 32.4 26.2 39.2

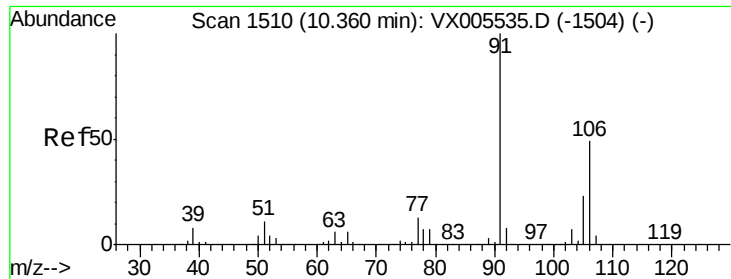


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

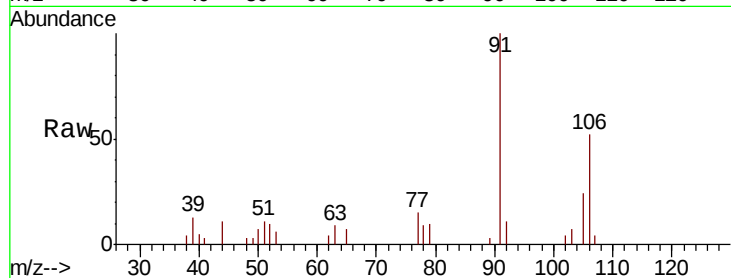




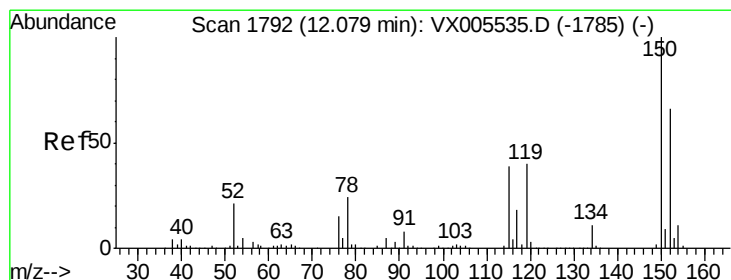
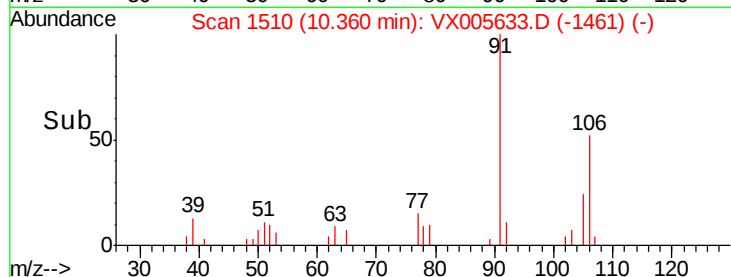
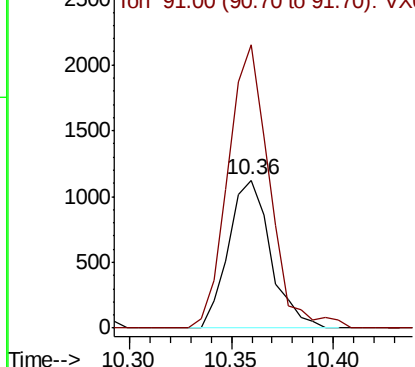
#68
m/p-Xvlenes
Concen: 0.361 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005633.D
Acq: 27 Oct 2018 04:41

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ145I-20181024

Tot Ion:106 Resp: 1616
Ion Ratio Lower Upper
106 100
91 187.0 164.2 246.4

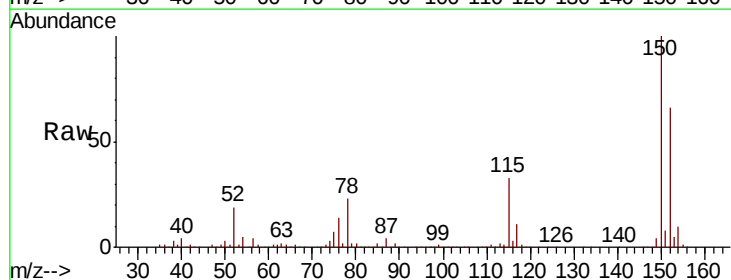


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

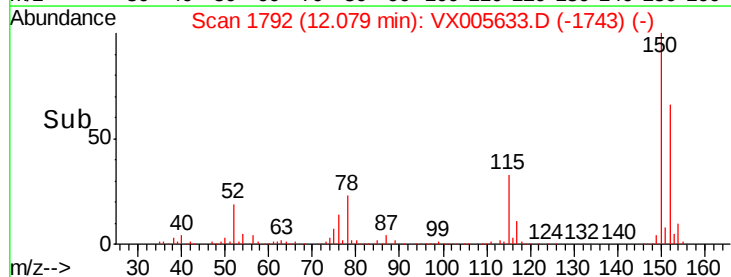
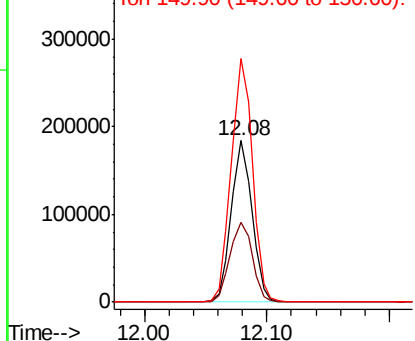


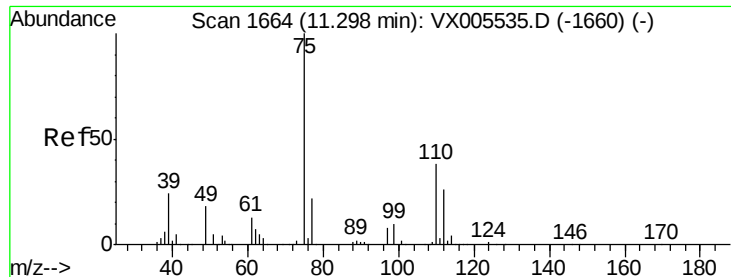
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005633.D
Acq: 27 Oct 2018 04:41

Tgt Ion:152 Resp: 215207
Ion Ratio Lower Upper
152 100
115 53.7 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: 16.385 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005633.D

Acq: 27 Oct 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

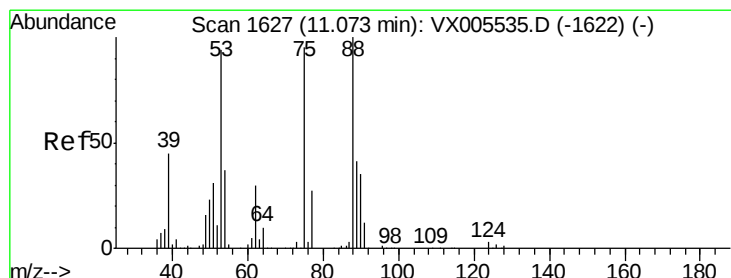
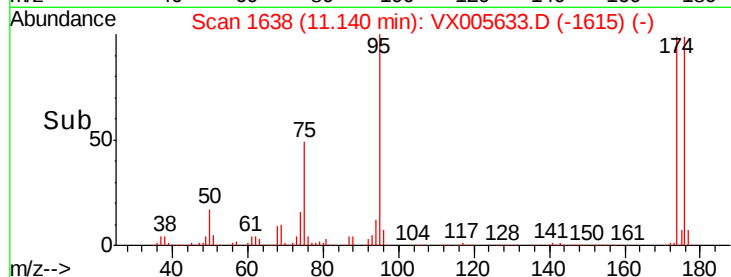
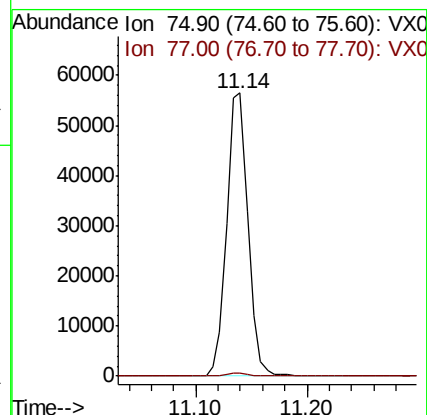
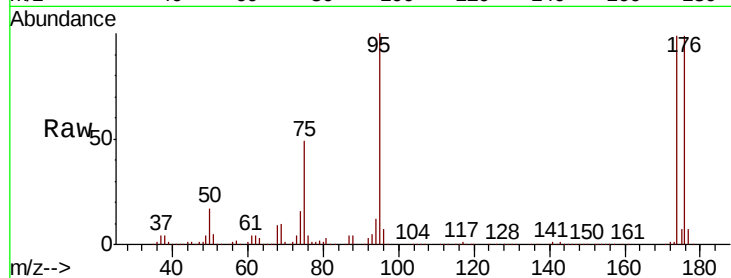
SA-PZ145I-20181024

Tot Ion: 75 Resp: 74713

Ion Ratio Lower Upper

75 100

77 1.3 20.5 61.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.540 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005633.D

Acq: 27 Oct 2018 04:41

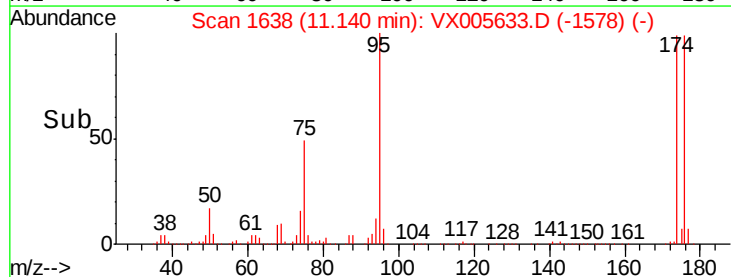
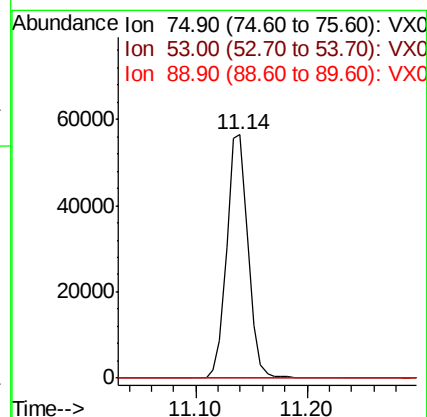
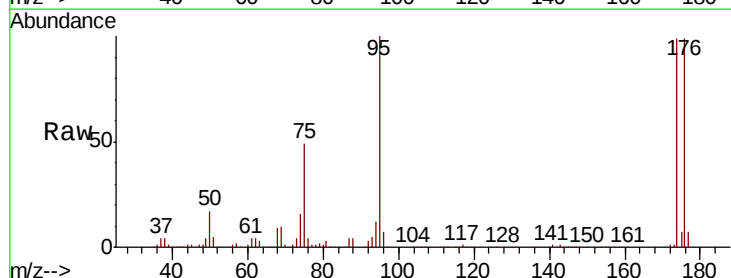
Tgt Ion: 75 Resp: 74713

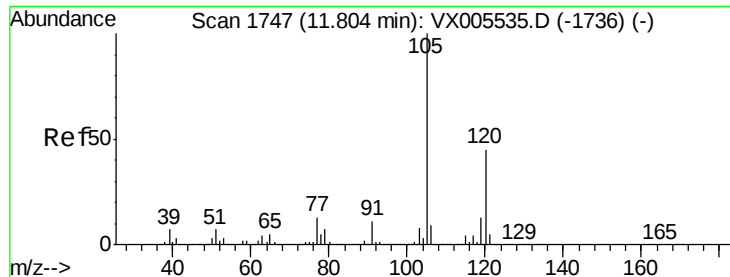
Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.2#

89 0.0 39.8 59.8#

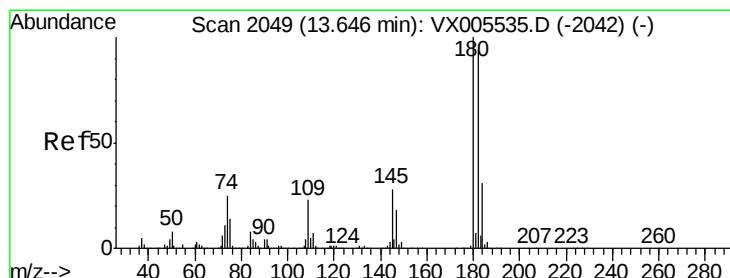
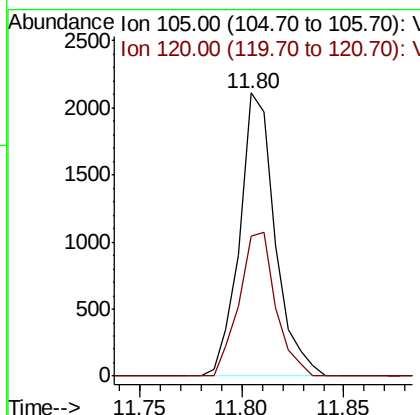
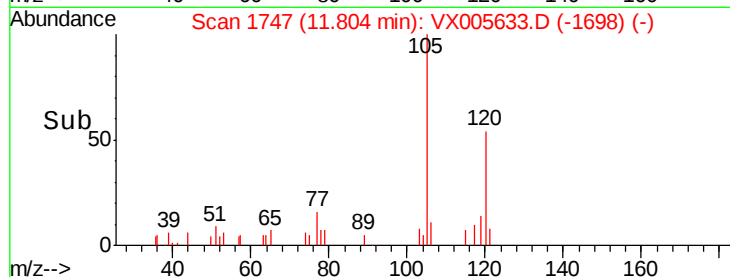
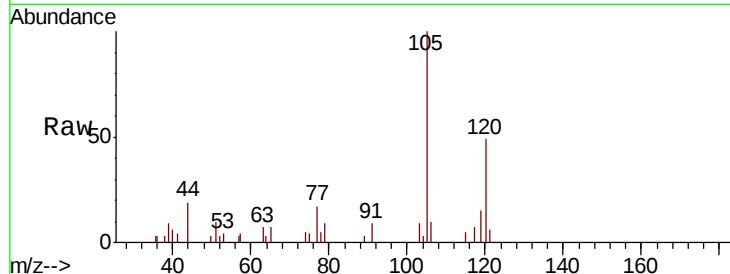




#84
 1,2,4-Trimethylbenzene
 Concen: 0.224 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX005633.D
 Acq: 27 Oct 2018 04:41

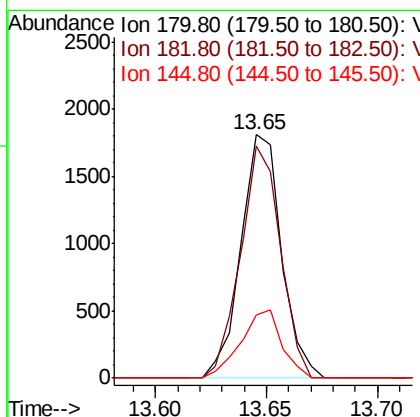
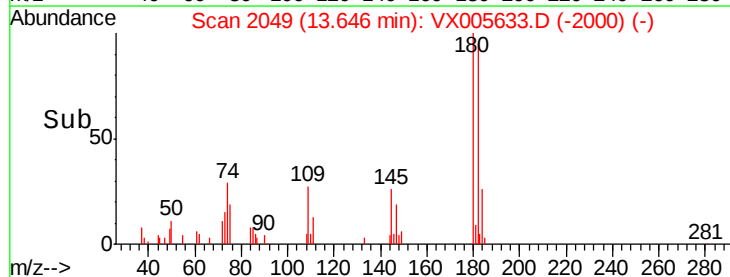
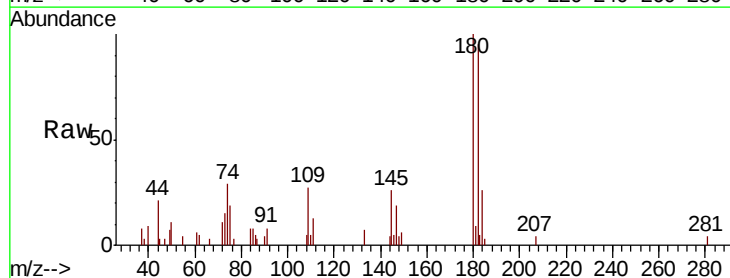
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ145I-20181024

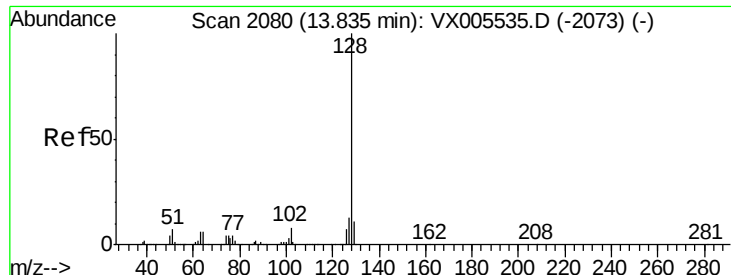
Tot Ion:105 Resp: 2552
 Ion Ratio Lower Upper
 105 100
 120 52.4 22.4 67.0



#93
 1,2,4-Trichlorobenzene
 Concen: 0.455 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005633.D
 Acq: 27 Oct 2018 04:41

Tgt Ion:180 Resp: 2302
 Ion Ratio Lower Upper
 180 100
 182 93.7 47.6 142.8
 145 28.2 14.1 42.2





#95

Naphthalene

Concen: 0.403 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005633.D

Acq: 27 Oct 2018 04:41

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ145I-20181024

Tot Ion:128 Resp: 5923

Ion Ratio Lower Upper

128 100

127 14.6 10.4 15.6

129 11.8 8.7 13.1

