

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080119\
 Data File : VX011277.D
 Acq On : 01 Aug 2019 22:50
 Operator : JC/SP
 Sample : K4118-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ134I-20190730

Quant Time: Aug 02 02:09:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	140380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	227701	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	211128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	98281	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	73703	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
35) Dibromofluoromethane	5.49	113	71164	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
50) Toluene-d8	8.71	98	275579	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
62) 4-Bromofluorobenzene	11.13	95	91792	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	

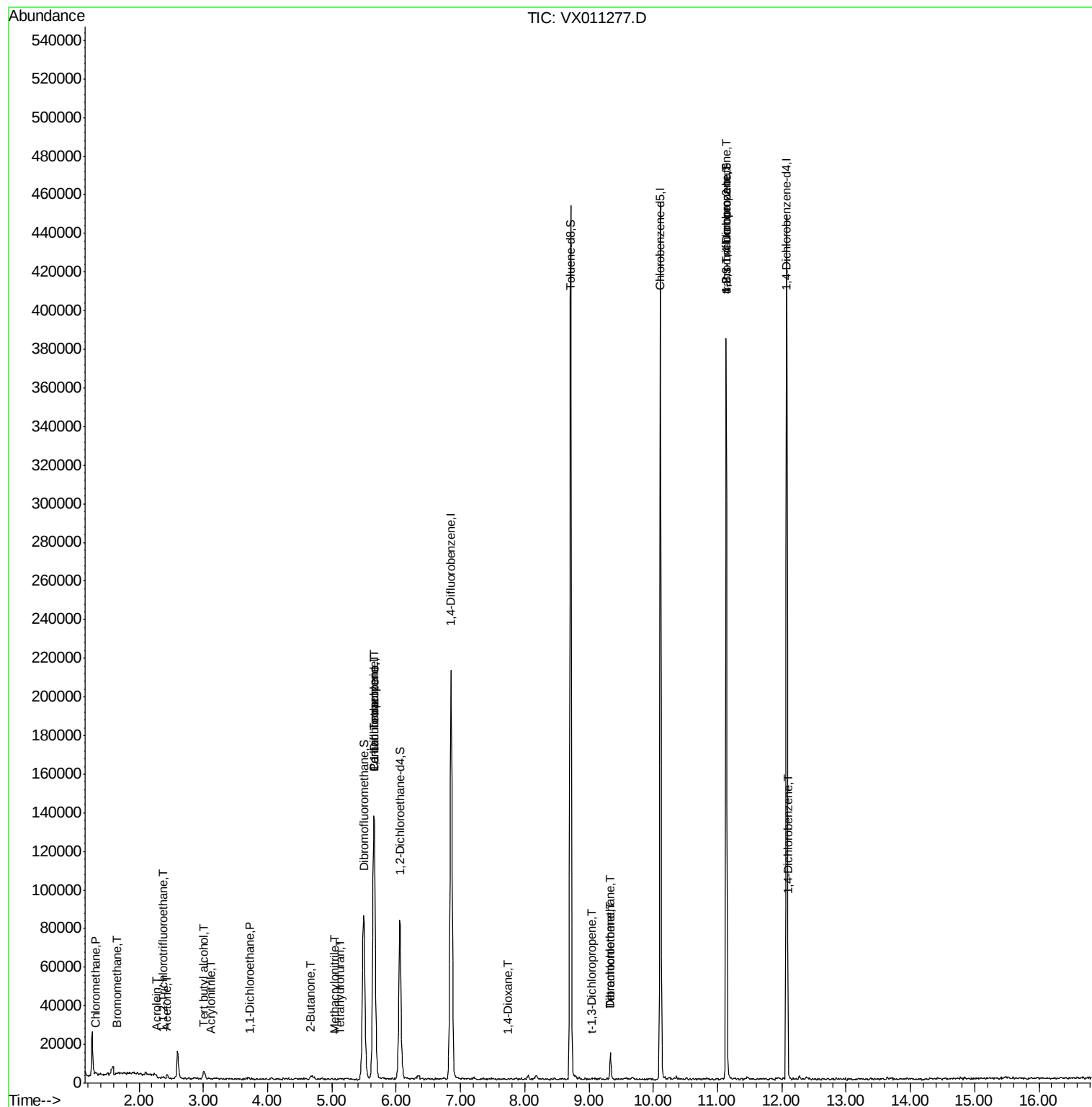
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	888	0.729	ug/l #	72
5) Bromomethane	1.66	94	623	0.652	ug/l #	72
6) Chloroethane	1.68	64	304	Below Cal	#	19
9) 1,1,2-Trichlorotrifluoroet	2.37	101	268	0.208	ug/l #	37
11) Tert butyl alcohol	3.01	59	2361	8.397	ug/l #	80
13) Acrolein	2.28	56	261	1.069	ug/l #	15
15) Acrylonitrile	3.13	53	168	0.250	ug/l #	69
16) Acetone	2.43	43	2503	3.720	ug/l	96
24) 1,1-Dichloroethane	3.71	63	952	0.431	ug/l #	80
25) 2-Butanone	4.66	43	358	0.374	ug/l #	46
29) Tetrahydrofuran	5.13	42	118	0.201	ug/l #	73
36) 1,1-Dichloropropene	5.65	75	9100	4.577	ug/l #	49
38) Carbon Tetrachloride	5.65	117	12665	6.332	ug/l #	16
41) Methacrylonitrile	5.04	41	252	0.231	ug/l #	27
49) 1,4-Dioxane	7.73	88	43	0.989	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	63	2.865	ug/l #	1
60) Dibromochloromethane	9.33	129	2528	1.531	ug/l #	10
64) Tetrachloroethene	9.33	164	2763	1.541	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	44045	24.609	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	44045	64.289	ug/l #	10
88) 1,4-Dichlorobenzene	12.10	146	784	0.231	ug/l #	1

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011277.D

Acq: 01 Aug 2019 22:50

Instrument :

MSVOA_X

ClientSampleId :

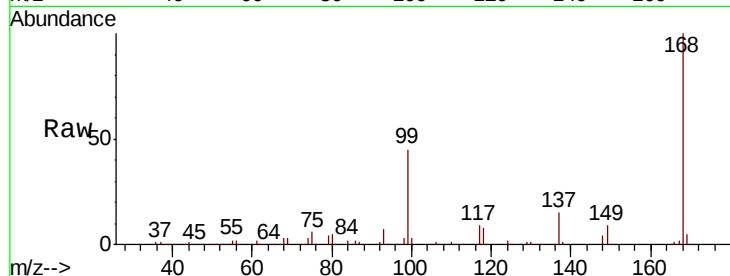
SA-PZ134I-20190730

Tot Ion:168 Resp: 140380

Ion Ratio Lower Upper

168 100

99 44.7 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

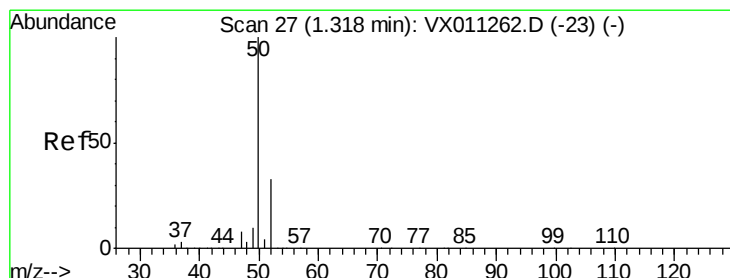
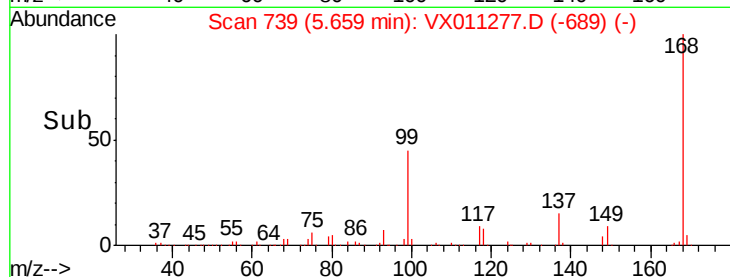
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.729 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011277.D

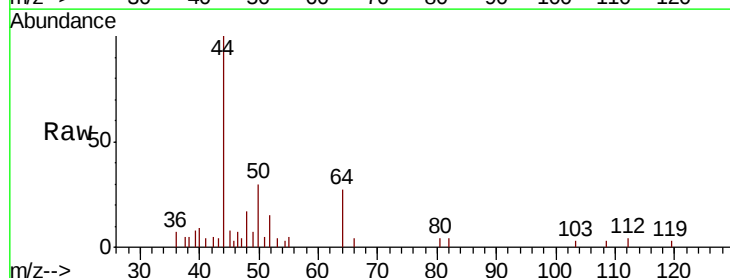
Acq: 01 Aug 2019 22:50

Tgt Ion: 50 Resp: 888

Ion Ratio Lower Upper

50 100

52 48.9 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

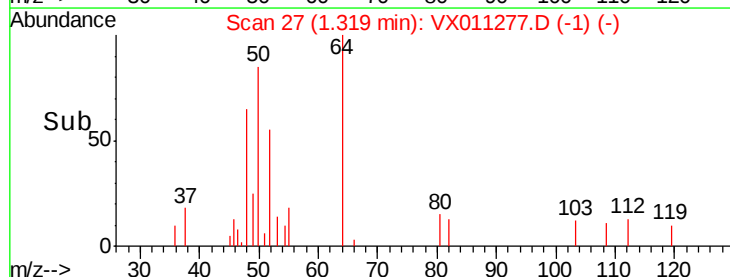
600

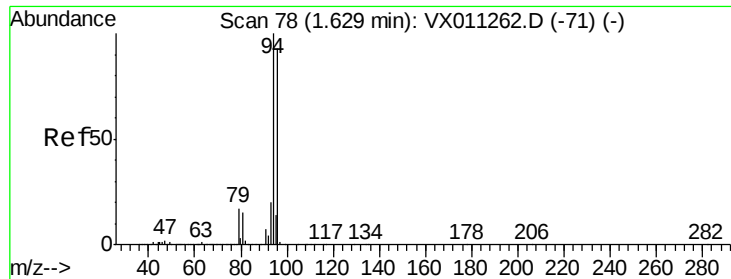
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.652 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.03 min

Lab File: VX011277.D

Acq: 01 Aug 2019 22:50

Instrument :

MSVOA_X

ClientSampleId :

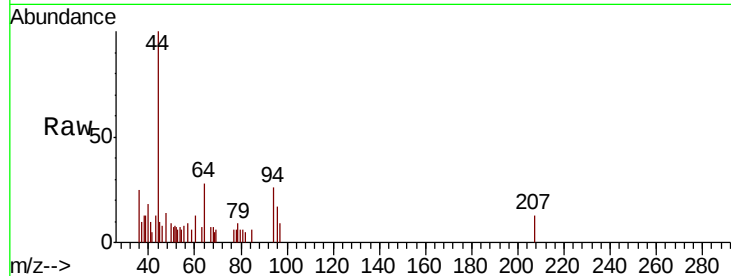
SA-PZ134I-20190730

Tot Ion: 94 Resp: 623

Ion Ratio Lower Upper

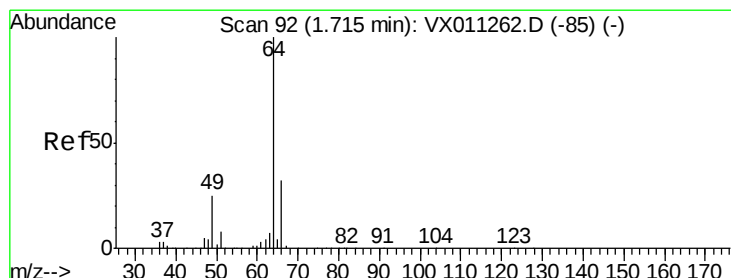
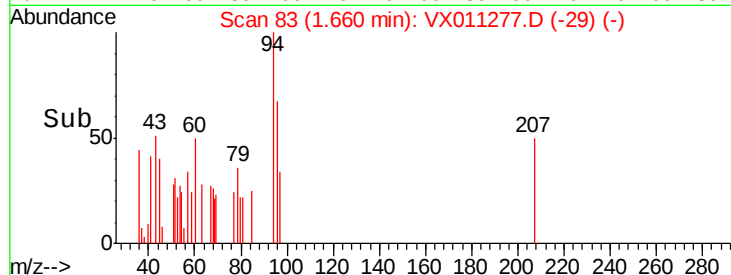
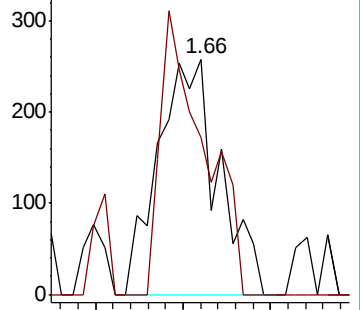
94 100

96 66.7 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 87

Delta R.T. -0.03 min

Lab File: VX011277.D

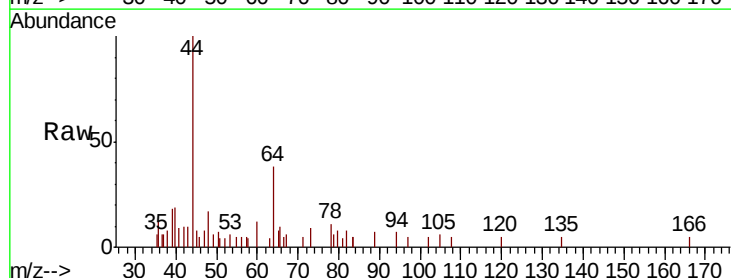
Acq: 01 Aug 2019 22:50

Tgt Ion: 64 Resp: 304

Ion Ratio Lower Upper

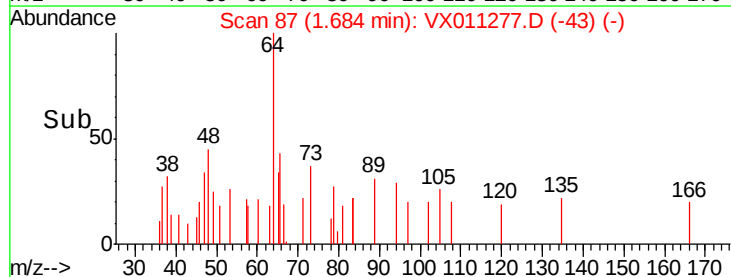
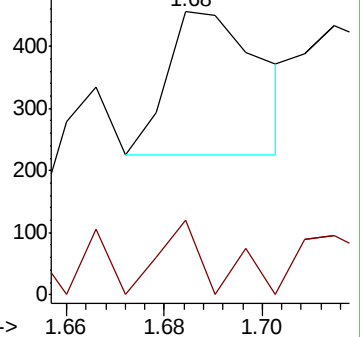
64 100

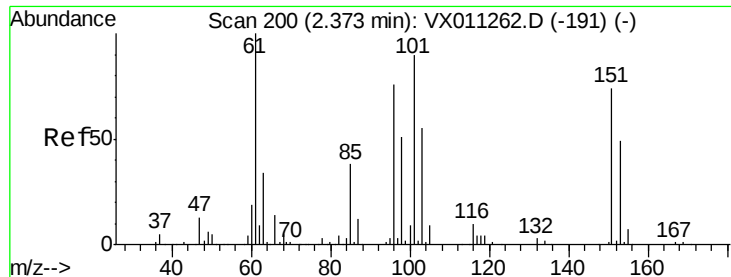
66 76.1 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

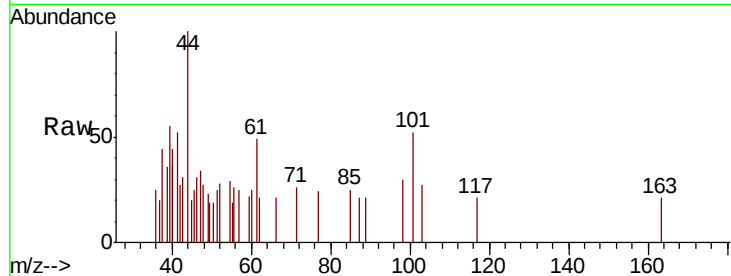




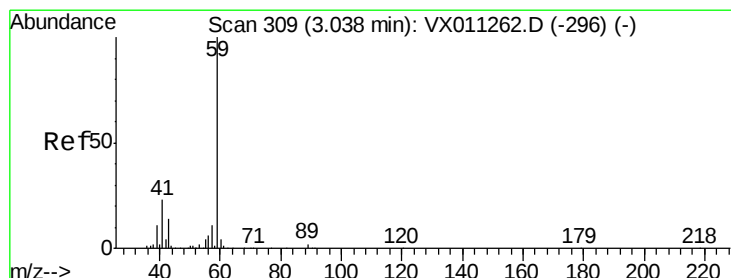
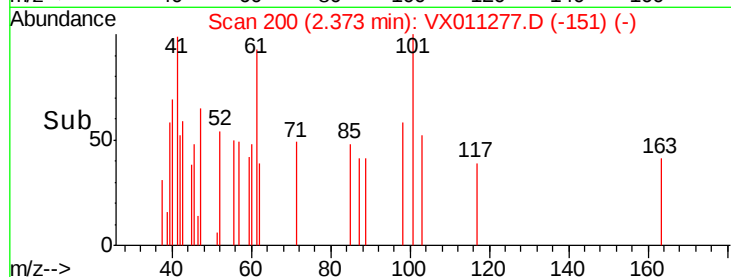
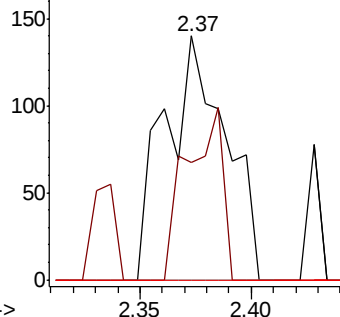
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.208 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX011277.D
Acq: 01 Aug 2019 22:50

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ134I-20190730

Tot Ion:101 Resp: 268
Ion Ratio Lower Upper
101 100
85 42.2 33.8 50.6
151 0.0 69.5 104.3#

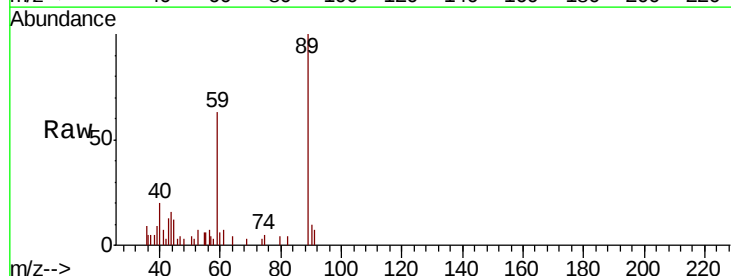


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V

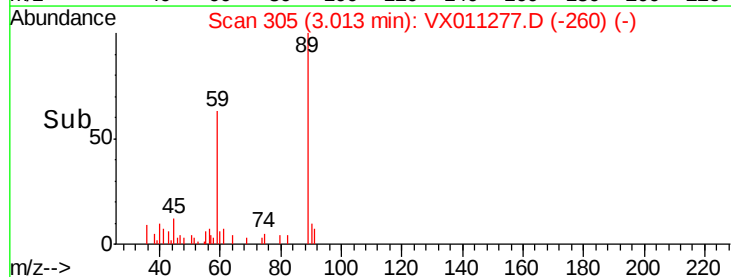
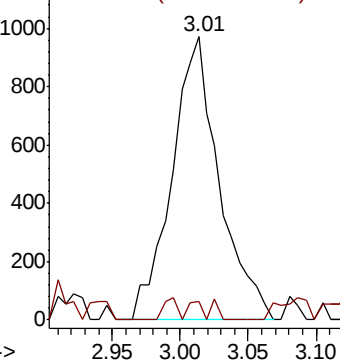


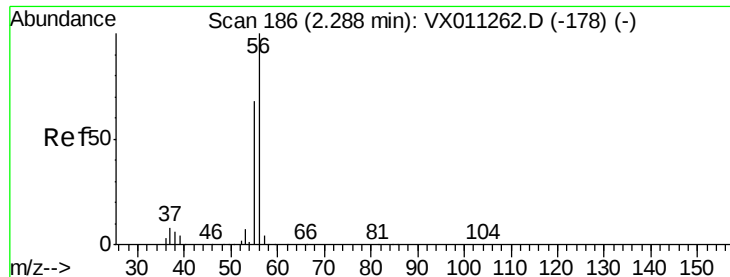
#11
Tert butyl alcohol
Concen: 8.397 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.02 min
Lab File: VX011277.D
Acq: 01 Aug 2019 22:50

Tgt Ion: 59 Resp: 2361
Ion Ratio Lower Upper
59 100
57 3.0 8.3 12.5#



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





#13

Acrolein

Concen: 1.069 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX011277.D

Acq: 01 Aug 2019 22:50

Instrument :

MSVOA_X

ClientSampleId :

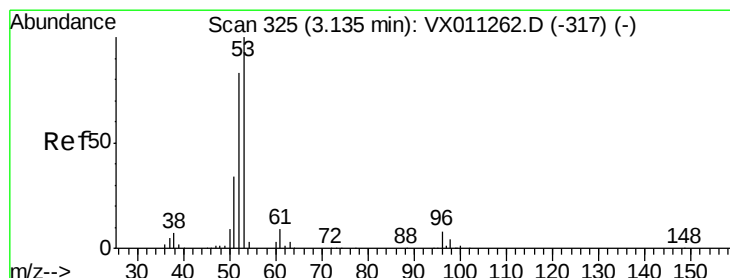
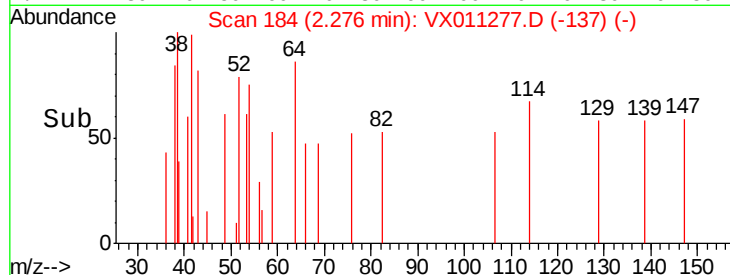
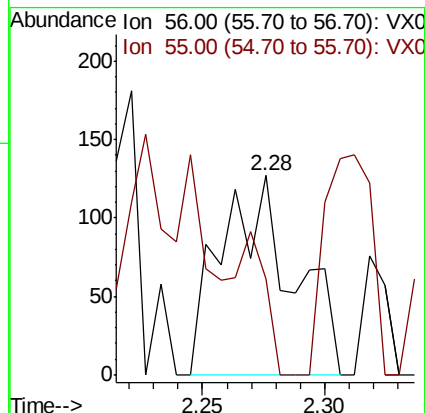
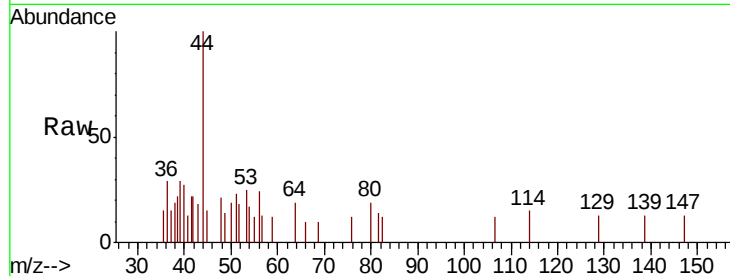
SA-PZ134I-20190730

Tot Ion: 56 Resp: 261

Ion Ratio Lower Upper

56 100

55 0.0 56.0 84.0#



#15

Acrylonitrile

Concen: 0.250 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011277.D

Acq: 01 Aug 2019 22:50

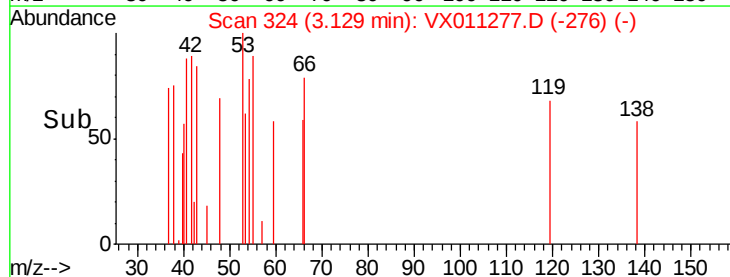
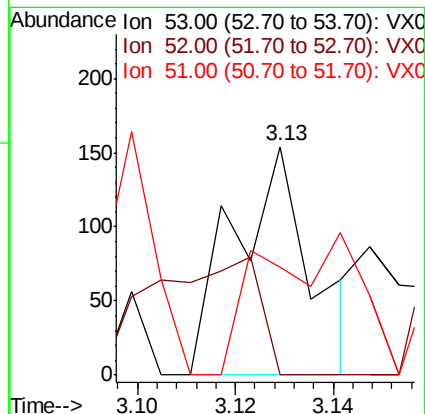
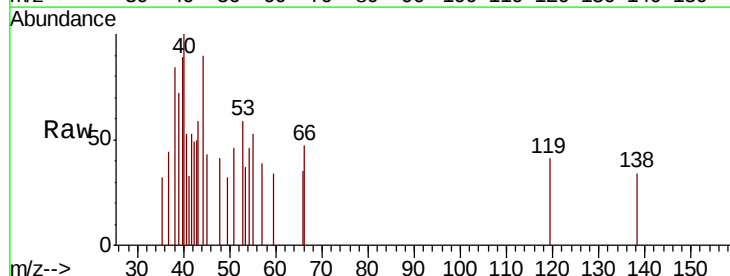
Tgt Ion: 53 Resp: 168

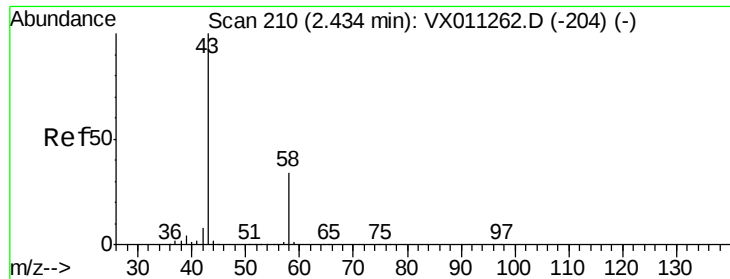
Ion Ratio Lower Upper

53 100

52 71.4 65.5 98.3

51 79.8 27.9 41.9#





#16

Acetone

Concen: 3.720 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011277.D

Acq: 01 Aug 2019 22:50

Instrument :

MSVOA_X

ClientSampleId :

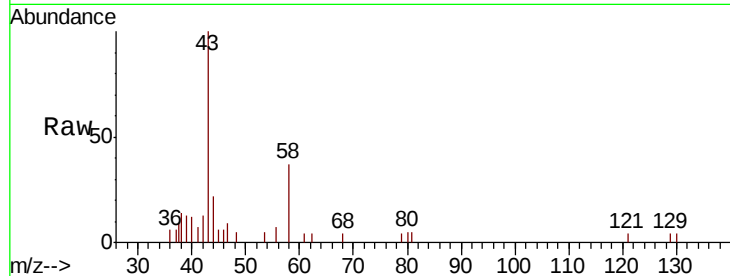
SA-PZ134I-20190730

Tot Ion: 43 Resp: 2503

Ion Ratio Lower Upper

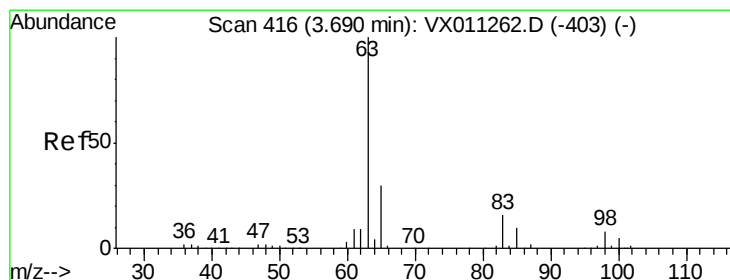
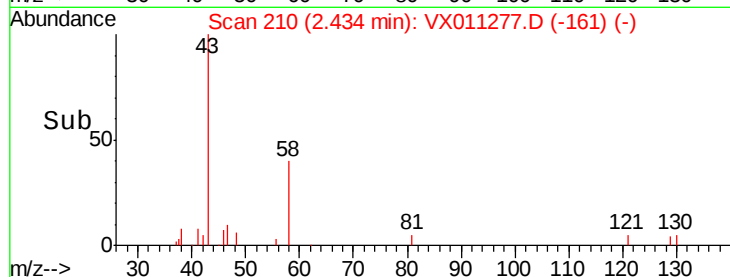
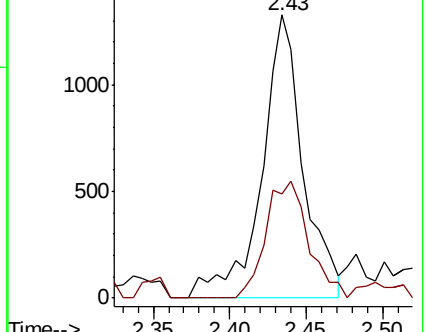
43 100

58 36.6 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#24

1,1-Dichloroethane

Concen: 0.431 ug/l

RT: 3.71 min Scan# 419

Delta R.T. 0.02 min

Lab File: VX011277.D

Acq: 01 Aug 2019 22:50

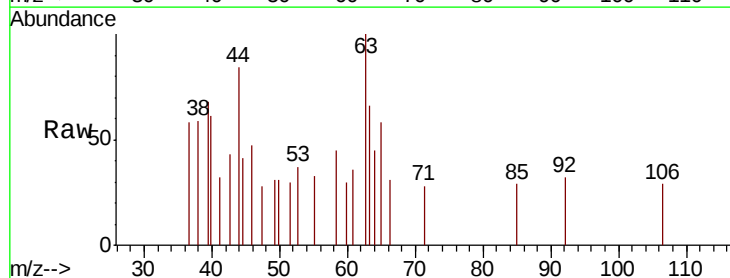
Tgt Ion: 63 Resp: 952

Ion Ratio Lower Upper

63 100

98 0.0 3.9 11.5#

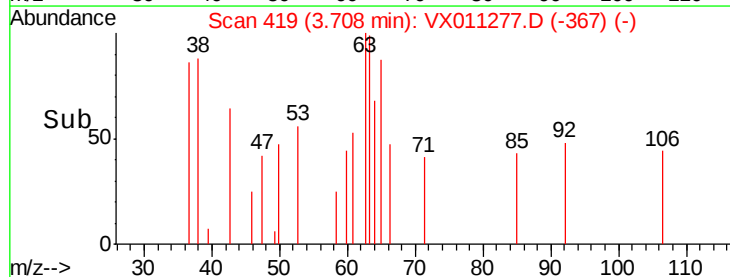
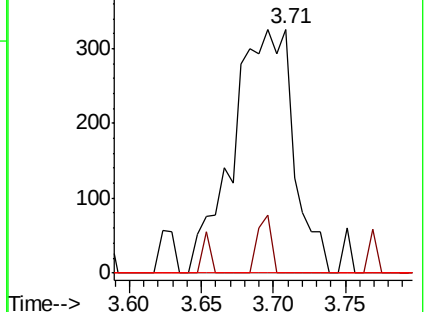
100 0.0 2.7 8.1#

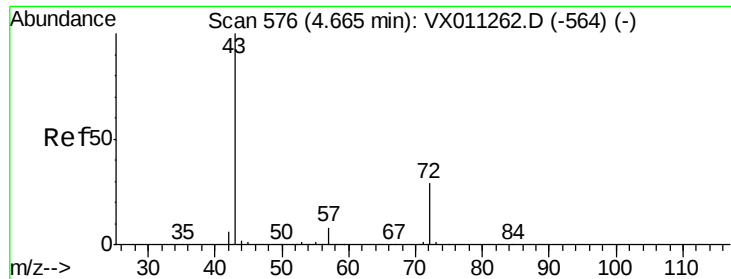


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 0.374 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011277.D

Acq: 01 Aug 2019 22:50

Instrument :

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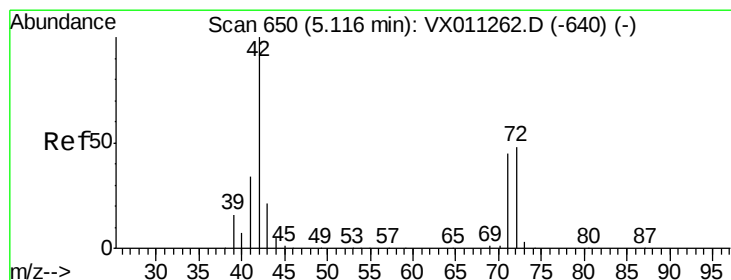
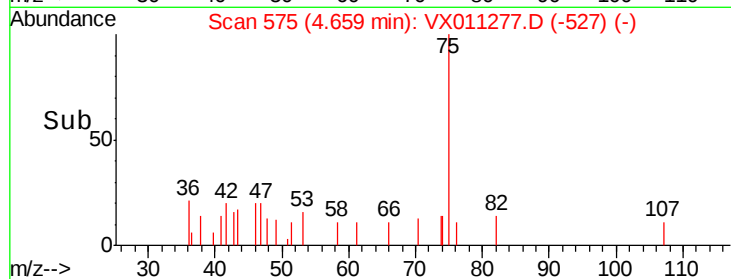
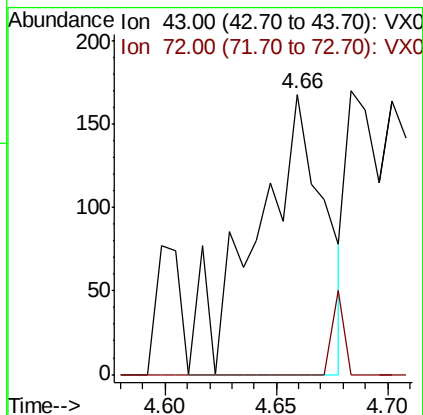
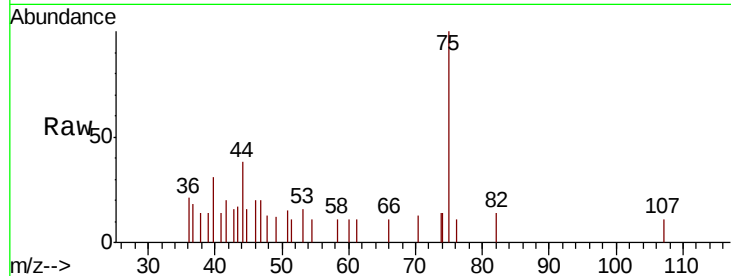
SA-PZ134I-20190730

Tot Ion: 43 Resp: 358

Ion Ratio Lower Upper

43 100

72 0.0 23.2 34.8#



#29

Tetrahydrofuran

Concen: 0.201 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.02 min

Lab File: VX011277.D

Acq: 01 Aug 2019 22:50

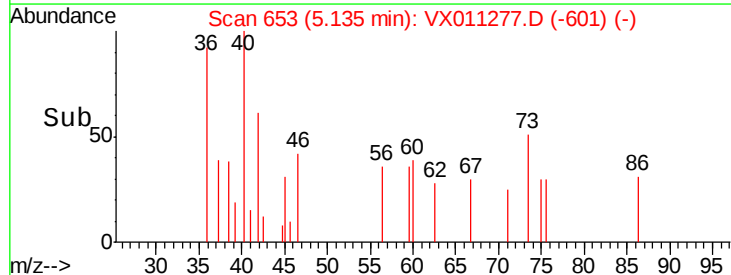
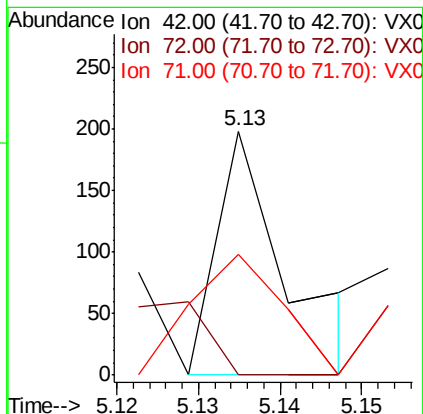
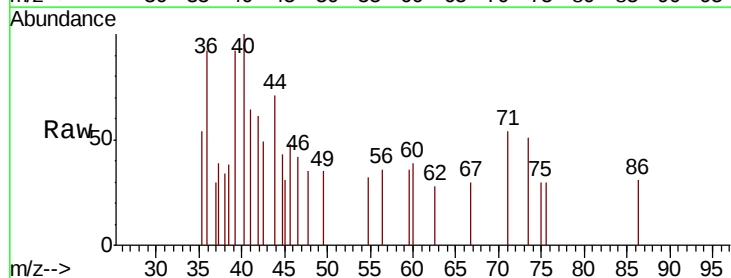
Tgt Ion: 42 Resp: 118

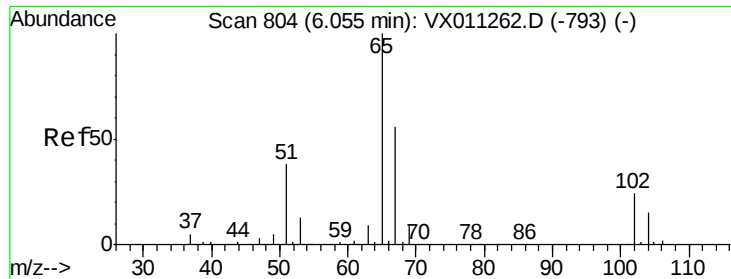
Ion Ratio Lower Upper

42 100

72 50.8 39.9 59.9

71 82.2 36.9 55.3#

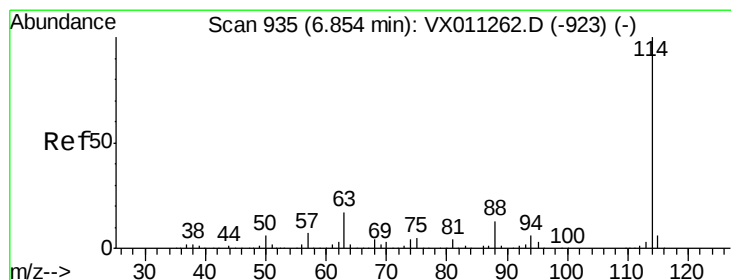
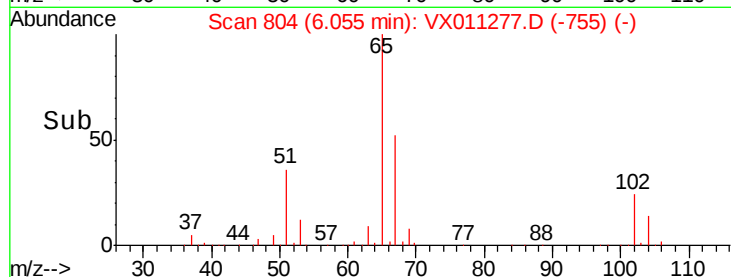
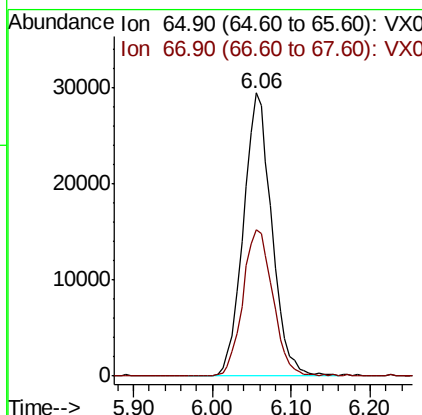
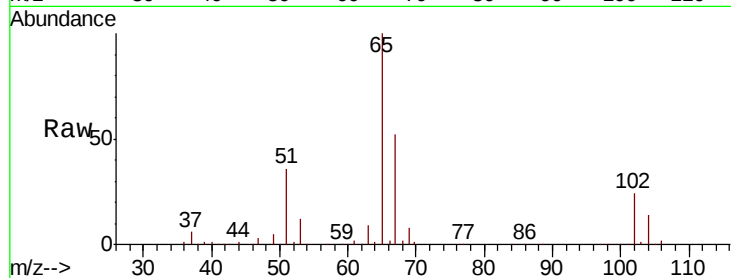




#33
 1,2-Dichloroethane-d4
 Concen: 52.135 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011277.D
 Acq: 01 Aug 2019 22:50

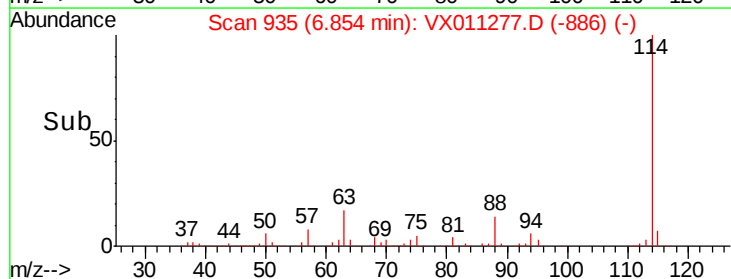
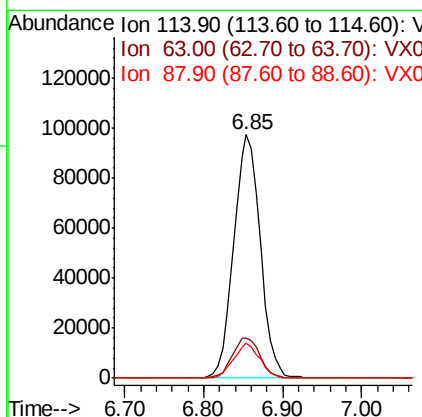
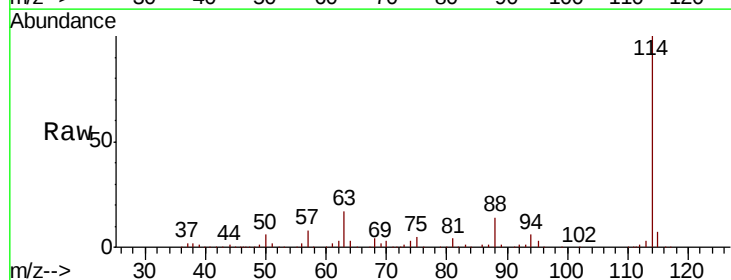
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ134I-20190730

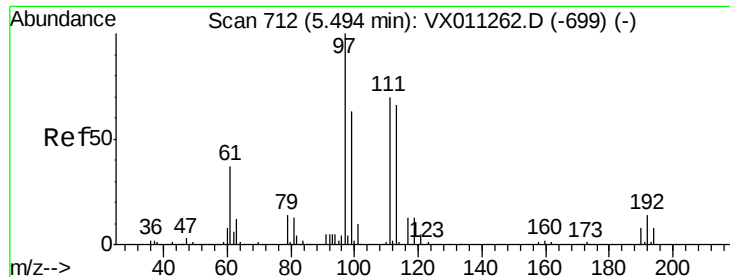
Tot Ion: 65 Resp: 73703
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011277.D
 Acq: 01 Aug 2019 22:50

Tgt Ion: 114 Resp: 227701
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 34.0
 88 14.3 0.0 26.4

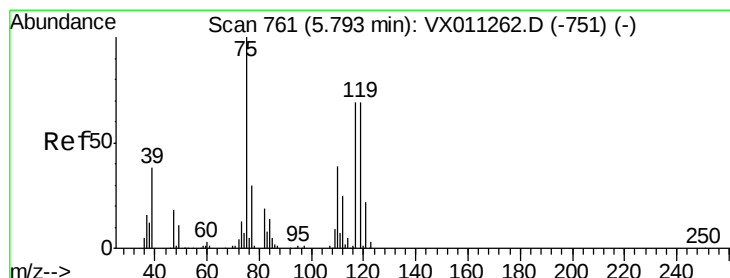
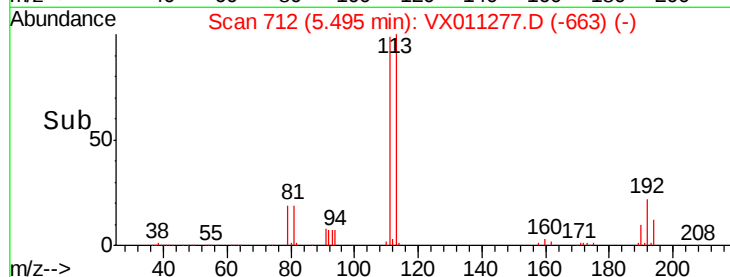
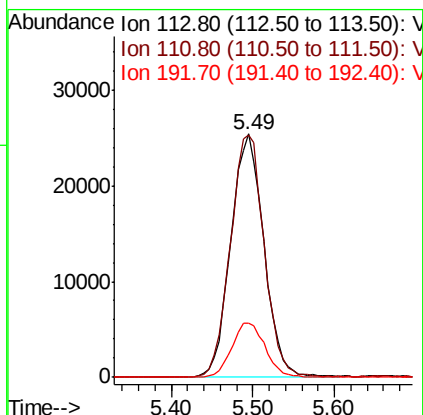
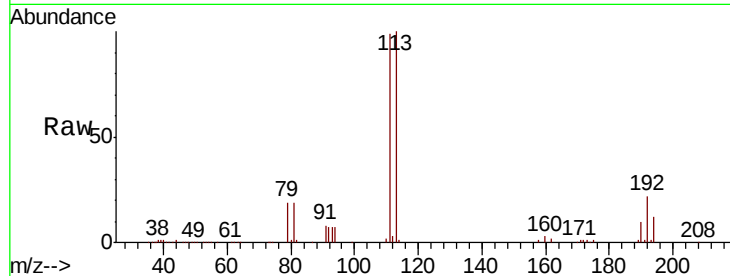




#35
 Dibromofluoromethane
 Concen: 47.870 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011277.D
 Acq: 01 Aug 2019 22:50

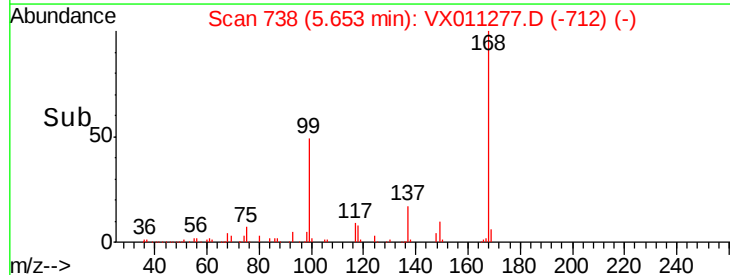
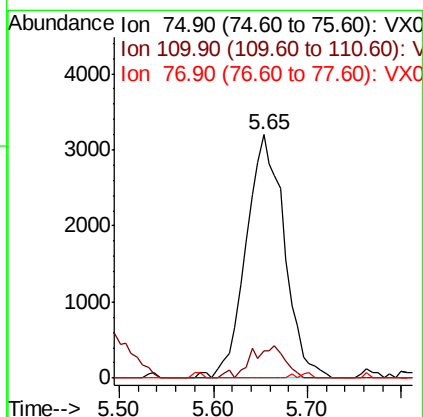
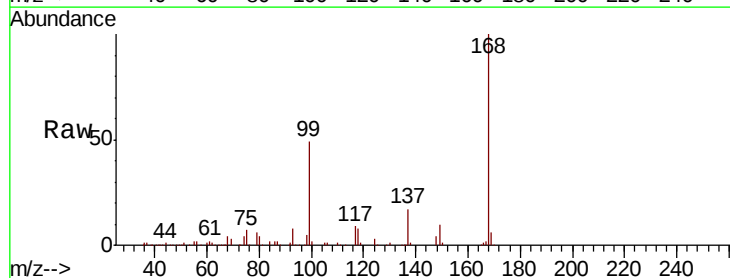
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ134I-20190730

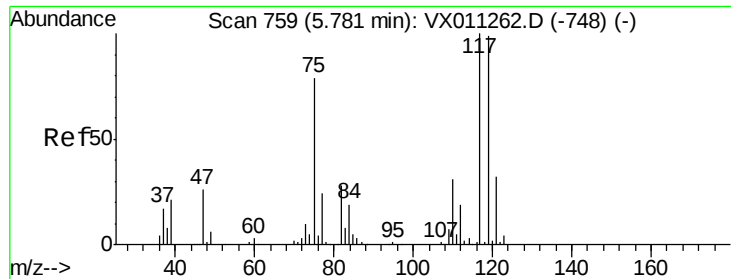
Tot Ion:113 Resp: 71164
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.9 122.9
 192 22.8 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 4.577 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011277.D
 Acq: 01 Aug 2019 22:50

Tgt Ion: 75 Resp: 9100
 Ion Ratio Lower Upper
 75 100
 110 11.1 20.0 59.9#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.332 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011277.D

Acq: 01 Aug 2019 22:50

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ134I-20190730

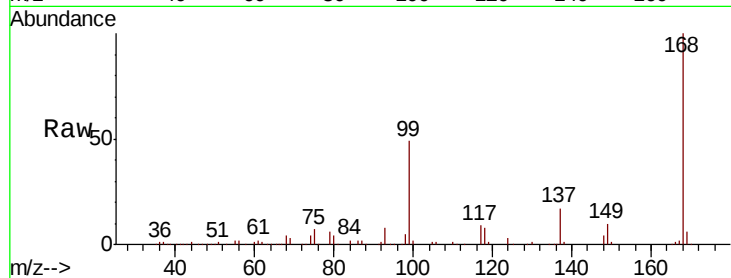
Tot Ion:117 Resp: 12665

Ion Ratio Lower Upper

117 100

119 6.3 79.0 118.4#

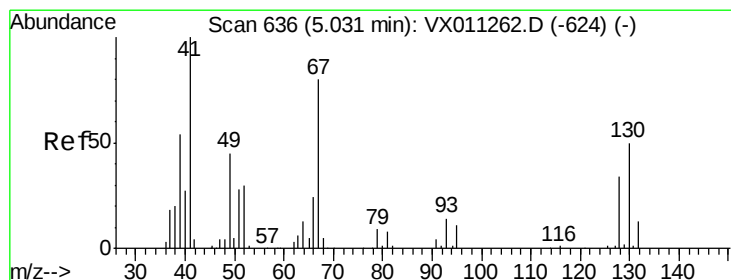
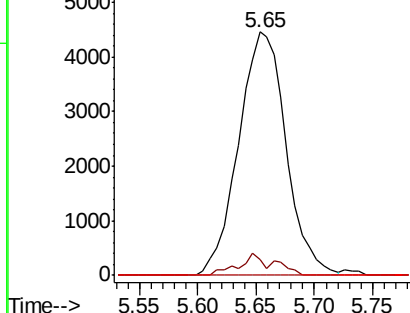
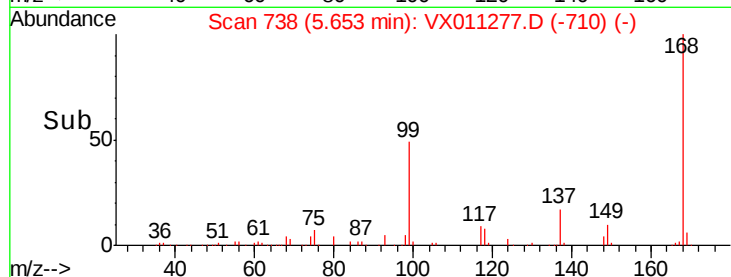
121 0.0 25.9 38.9#



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



#41

Methacrylonitrile

Concen: 0.231 ug/l

RT: 5.04 min Scan# 637

Delta R.T. 0.01 min

Lab File: VX011277.D

Acq: 01 Aug 2019 22:50

Tgt Ion: 41 Resp: 252

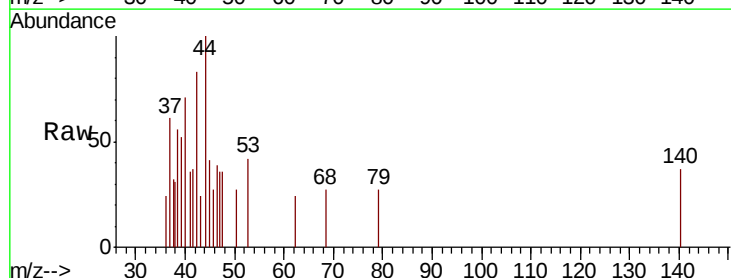
Ion Ratio Lower Upper

41 100

39 109.9 43.0 64.6#

67 7.9 65.1 97.7#

52 9.1 24.8 37.2#

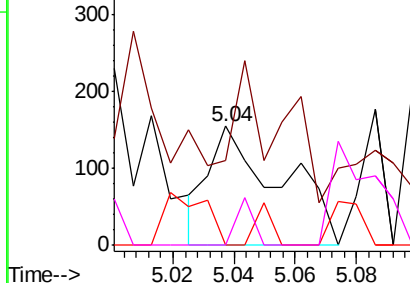
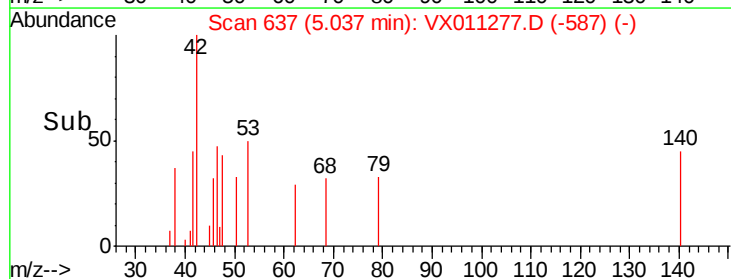


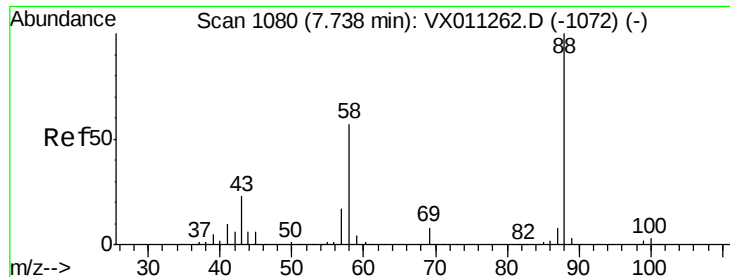
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#49

1,4-Dioxane

Concen: 0.989 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX011277.D

Acq: 01 Aug 2019 22:50

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ134I-20190730

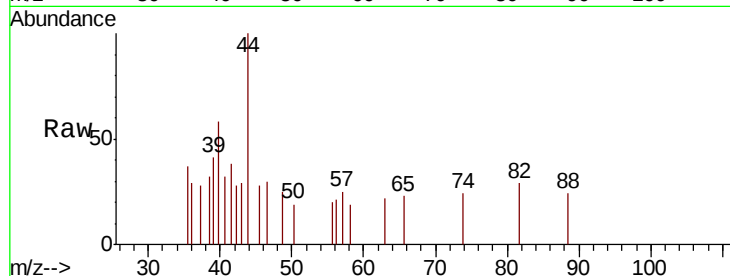
Tot Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 290.7 22.2 33.2#

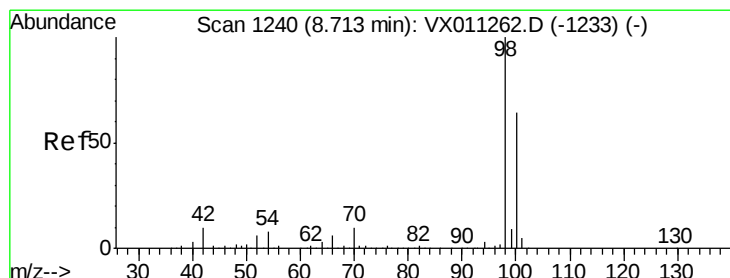
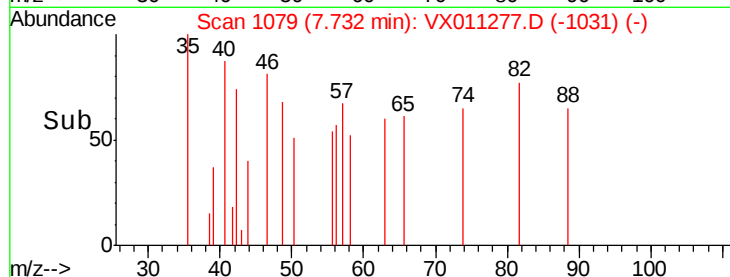
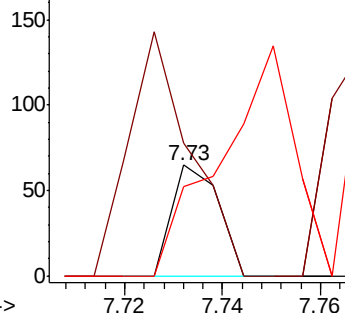
58 0.0 47.8 71.8#



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: 49.110 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011277.D

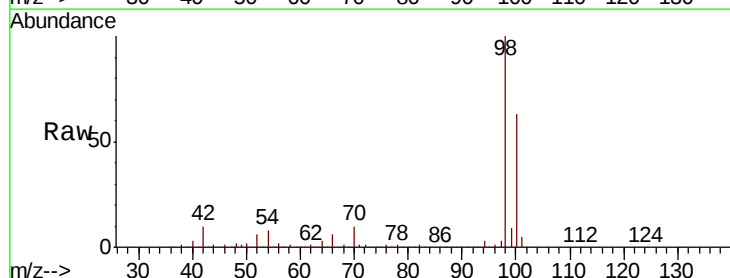
Acq: 01 Aug 2019 22:50

Tgt Ion: 98 Resp: 275579

Ion Ratio Lower Upper

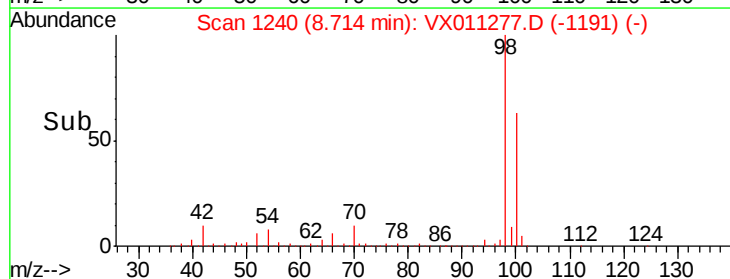
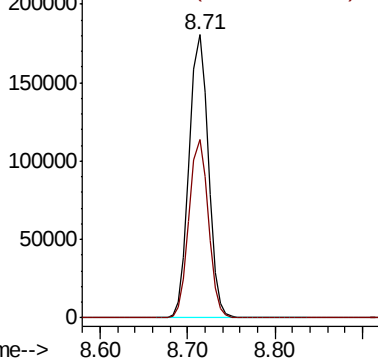
98 100

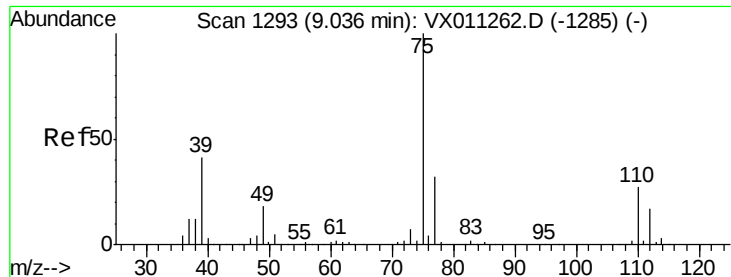
100 63.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

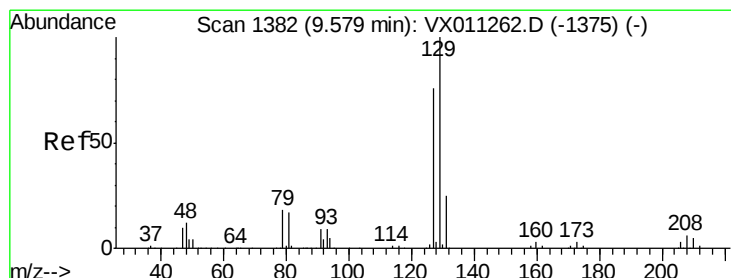
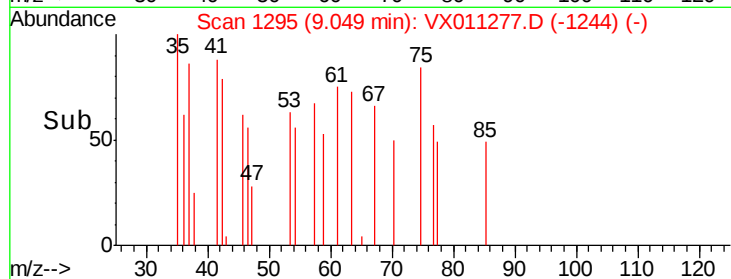
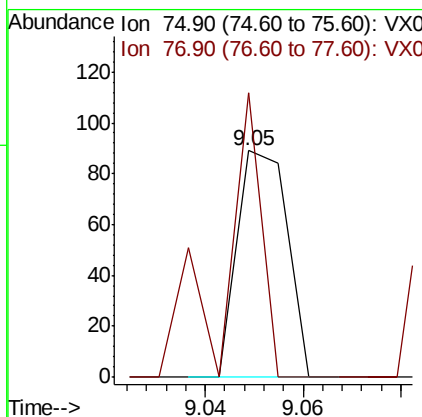
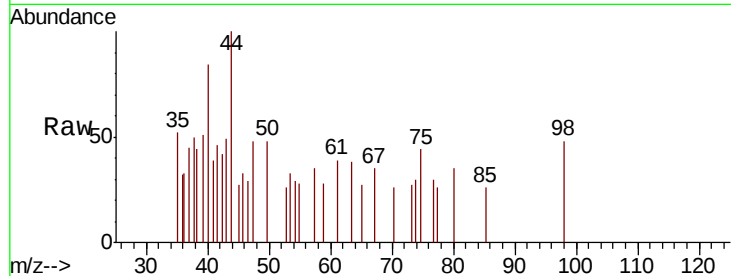




#53
t-1,3-Dichloropropene
Concen: 2.865 ug/l
RT: 9.05 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX011277.D
Acq: 01 Aug 2019 22:50

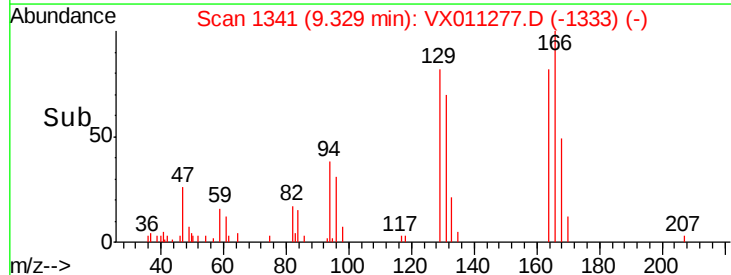
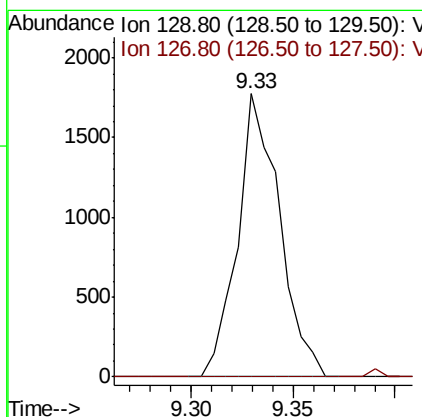
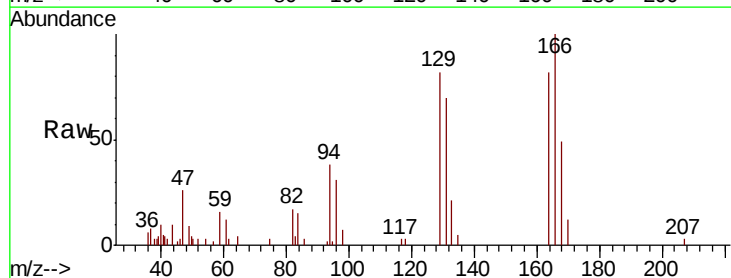
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ134I-20190730

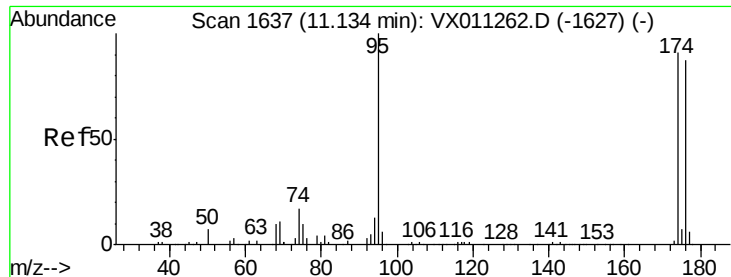
Tot Ion: 75 Resp: 63
Ion Ratio Lower Upper
75 100
77 125.8 25.4 38.0#



#60
Dibromochloromethane
Concen: 1.531 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.25 min
Lab File: VX011277.D
Acq: 01 Aug 2019 22:50

Tgt Ion:129 Resp: 2528
Ion Ratio Lower Upper
129 100
127 0.0 39.2 117.6#

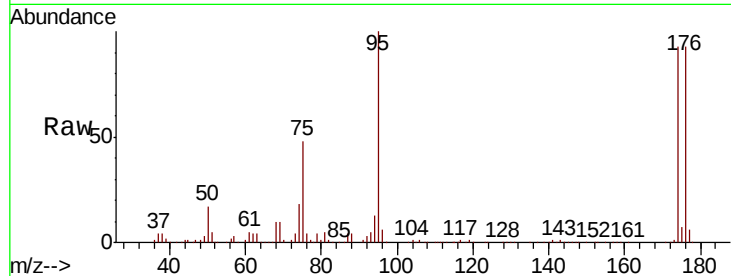




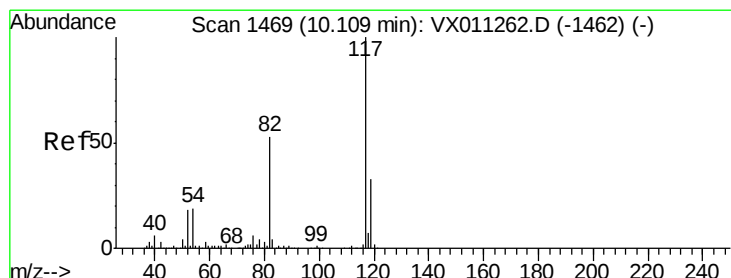
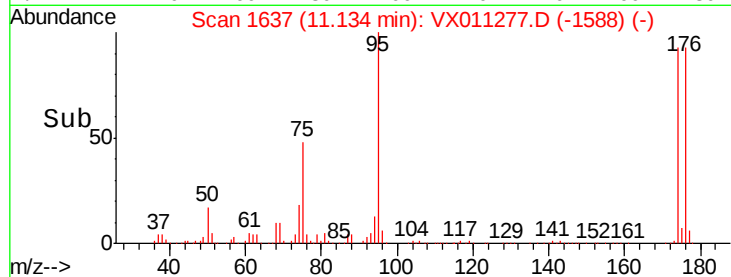
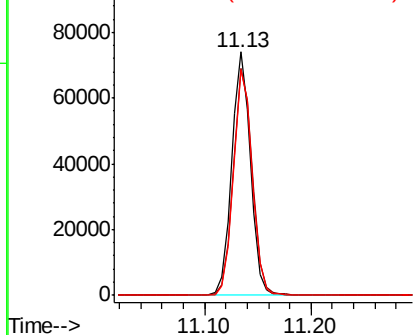
#62
4-Bromofluorobenzene
Concen: 45.817 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011277.D
Acq: 01 Aug 2019 22:50

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ134I-20190730

Tot Ion: 95 Resp: 91792
Ion Ratio Lower Upper
95 100
174 94.5 0.0 191.2
176 92.3 0.0 184.8

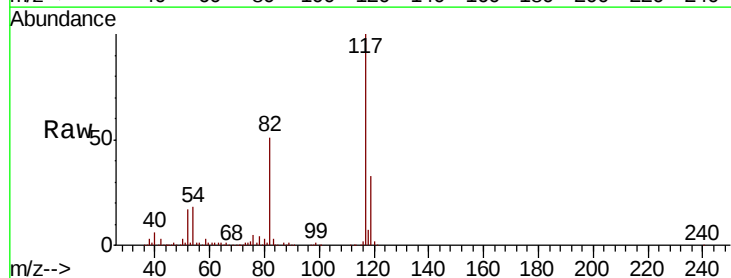


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

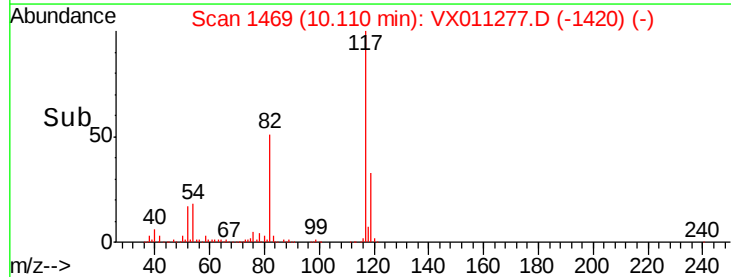
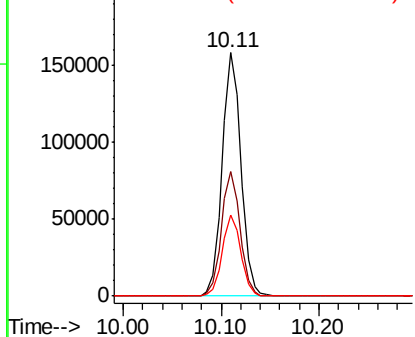


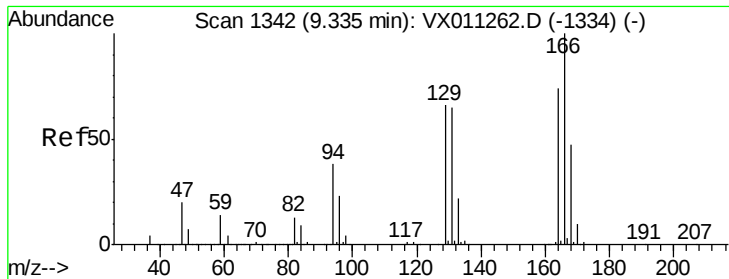
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011277.D
Acq: 01 Aug 2019 22:50

Tgt Ion: 117 Resp: 211128
Ion Ratio Lower Upper
117 100
82 51.0 42.2 63.2
119 33.1 26.6 39.8



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





#64

Tetrachloroethene

Concen: 1.541 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.01 min

Lab File: VX011277.D

Acq: 01 Aug 2019 22:50

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ134I-20190730

Tot Ion:164 Resp: 2763

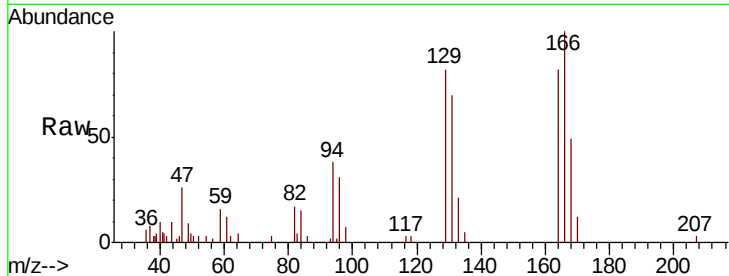
Ion Ratio Lower Upper

164 100

166 122.1 107.5 161.3

129 99.6 71.0 106.4

131 85.2 69.8 104.6

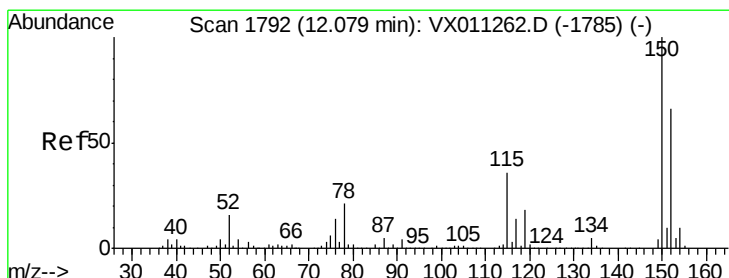
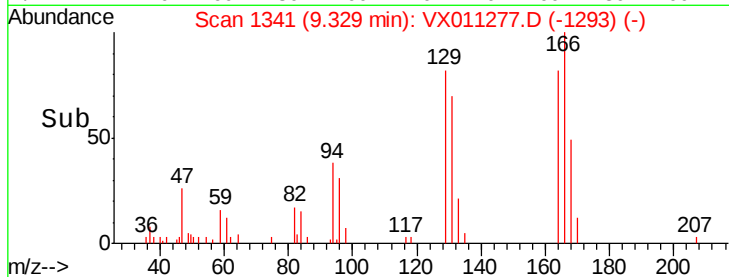
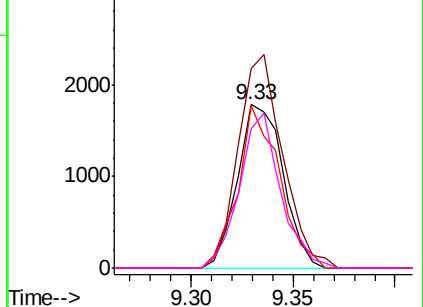


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX011277.D

Acq: 01 Aug 2019 22:50

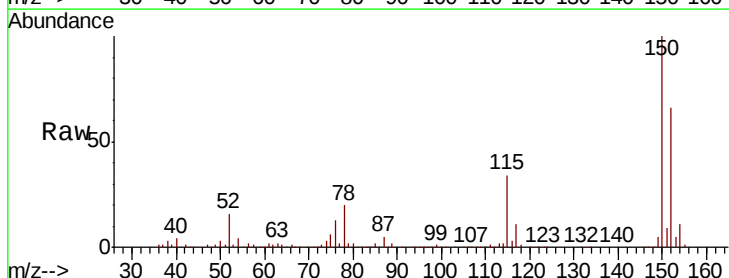
Tgt Ion:152 Resp: 98281

Ion Ratio Lower Upper

152 100

115 54.9 40.0 119.9

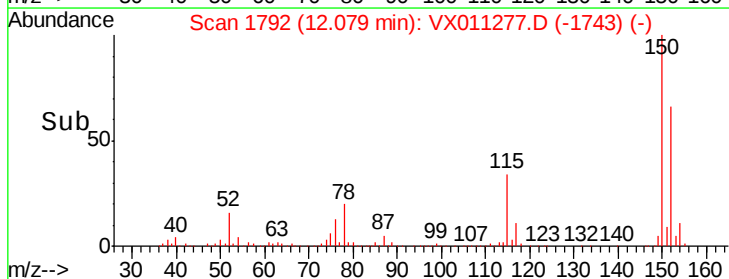
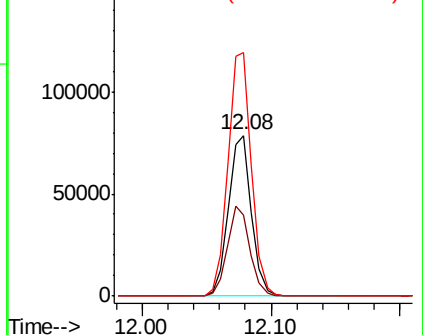
150 155.2 0.0 350.4

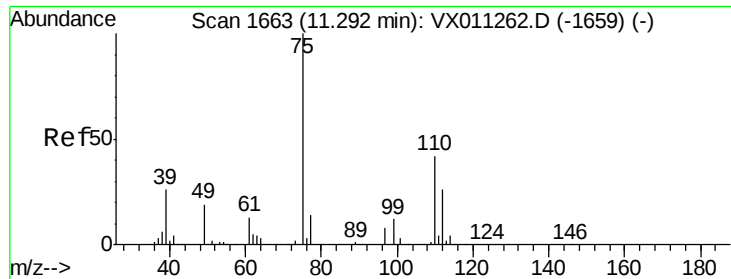


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

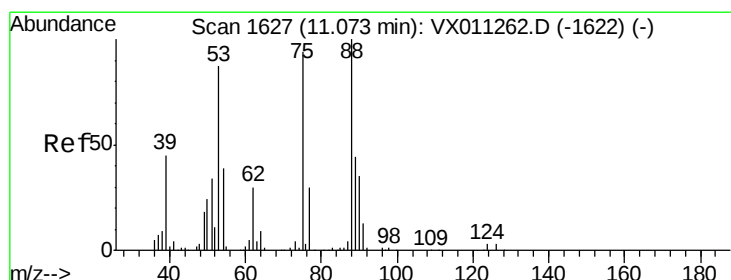
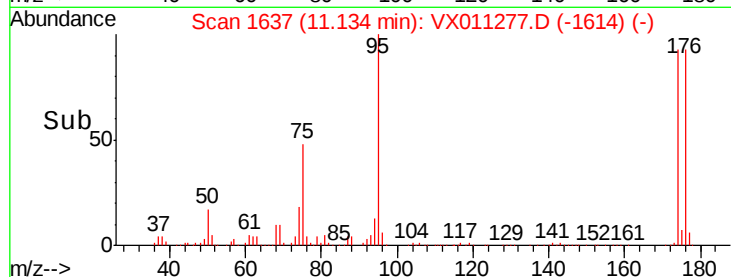
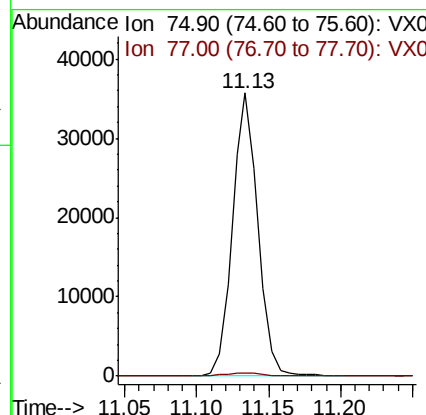
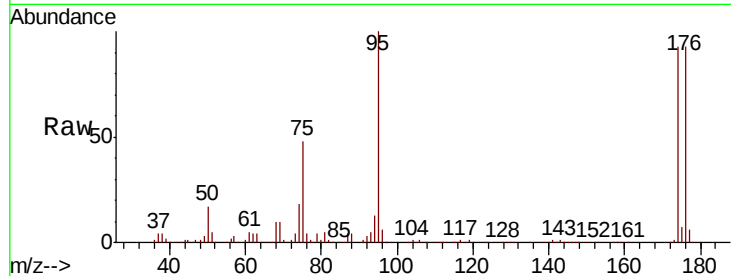




#76
 1,2,3-Trichloropropane
 Concen: 24.609 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011277.D
 Acq: 01 Aug 2019 22:50

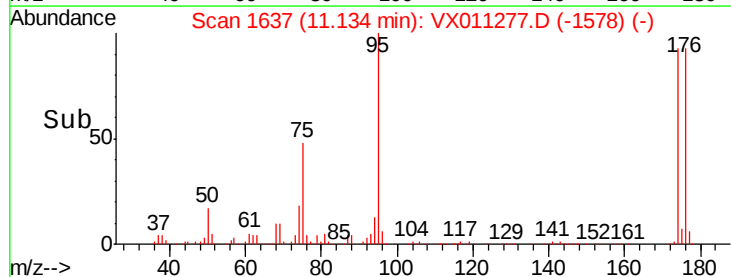
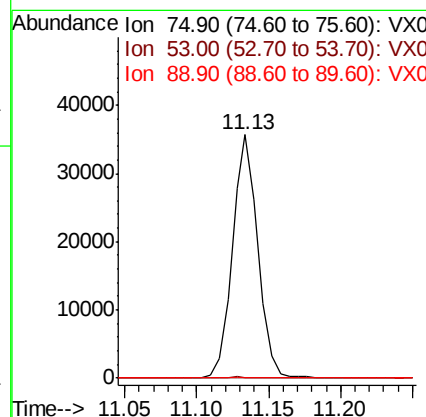
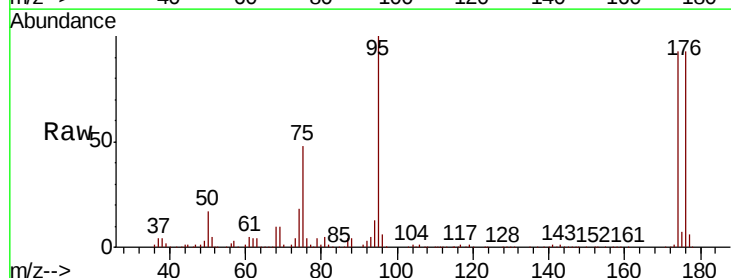
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ134I-20190730

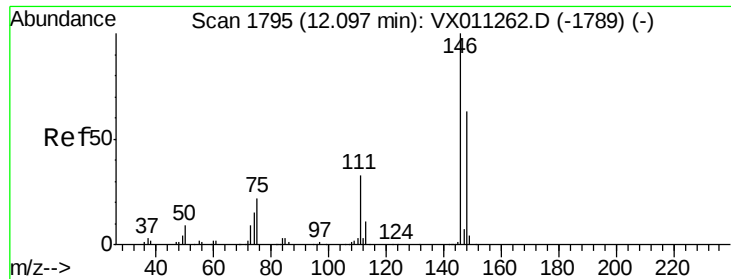
Tot Ion: 75 Resp: 44045
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.1 63.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.289 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011277.D
 Acq: 01 Aug 2019 22:50

Tgt Ion: 75 Resp: 44045
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.2 117.4#
 89 0.2 37.9 56.9#





#88

1,4-Dichlorobenzene

Concen: 0.231 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX011277.D

Acq: 01 Aug 2019 22:50

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ134I-20190730

Tot Ion:146 Resp: 784

Ion Ratio Lower Upper

146 100

111 194.1 17.8 53.4#

148 133.4 31.8 95.3#

