

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080119\
 Data File : VX011283.D
 Acq On : 02 Aug 2019 01:11
 Operator : JC/SP
 Sample : K4118-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ180I-20190731

Quant Time: Aug 02 02:11:00 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	137124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	219602	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	209958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	93601	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	72552	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
35) Dibromofluoromethane	5.49	113	69387	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
50) Toluene-d8	8.71	98	264413	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
62) 4-Bromofluorobenzene	11.13	95	87891	45.49	ug/l	0.00
Spiked Amount			Recovery	=	90.98%	

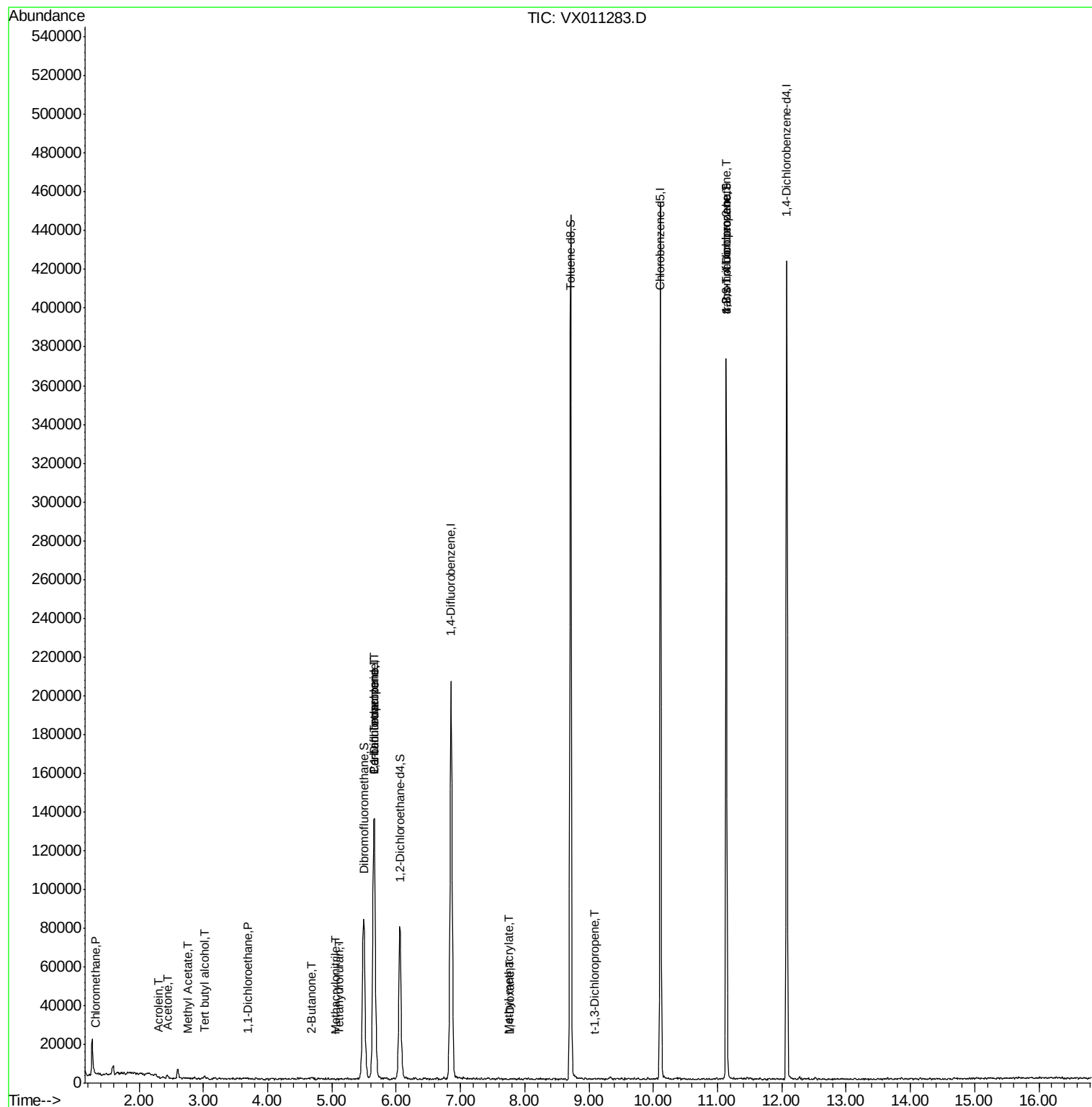
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	921	0.774	ug/l #	71
6) Chloroethane	1.71	64	80	Below Cal	#	76
11) Tert butyl alcohol	3.01	59	432	1.591	ug/l #	46
13) Acrolein	2.31	56	162	0.525	ug/l #	32
16) Acetone	2.44	43	1732	2.635	ug/l	99
18) Methyl Acetate	2.77	43	303	0.202	ug/l #	65
24) 1,1-Dichloroethane	3.70	63	595	0.276	ug/l #	80
25) 2-Butanone	4.68	43	216	0.231	ug/l #	46
29) Tetrahydrofuran	5.12	42	394	0.687	ug/l #	36
36) 1,1-Dichloropropene	5.65	75	8776	4.577	ug/l #	45
38) Carbon Tetrachloride	5.65	117	12483	6.471	ug/l #	14
41) Methacrylonitrile	5.05	41	212	0.202	ug/l #	36
48) Methyl methacrylate	7.75	41	314	0.217	ug/l #	33
49) 1,4-Dioxane	7.76	88	22	0.524	ug/l #	1
53) t-1,3-Dichloropropene	9.10	75	22	2.848	ug/l #	86
76) 1,2,3-Trichloropropane	11.13	75	43229	25.360	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	43229	66.115	ug/l #	10

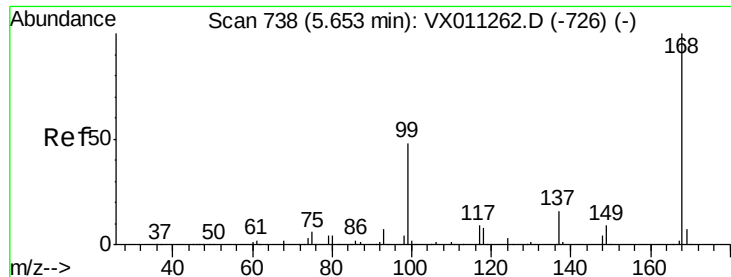
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011283.D

Acq: 02 Aug 2019 01:11

Instrument :

MSVOA_X

ClientSampleId :

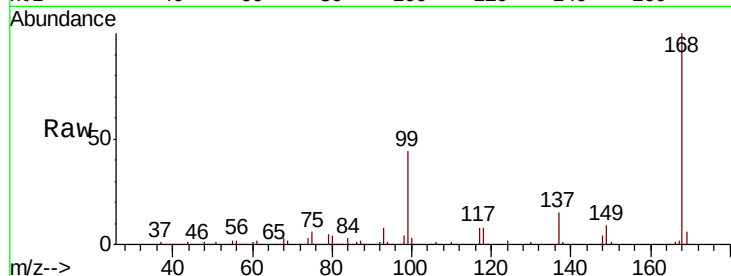
SA-PZ180I-20190731

Tot Ion:168 Resp: 137124

Ion Ratio Lower Upper

168 100

99 44.4 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

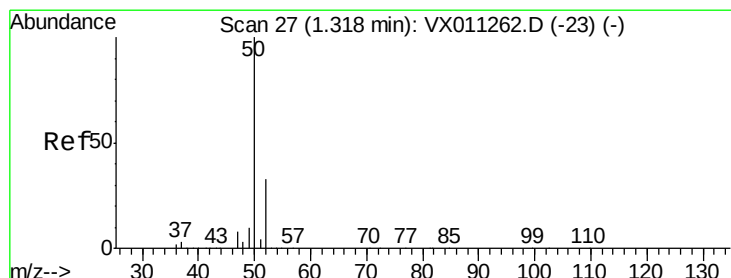
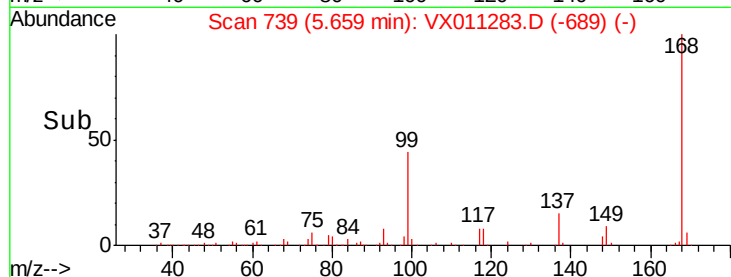
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.774 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011283.D

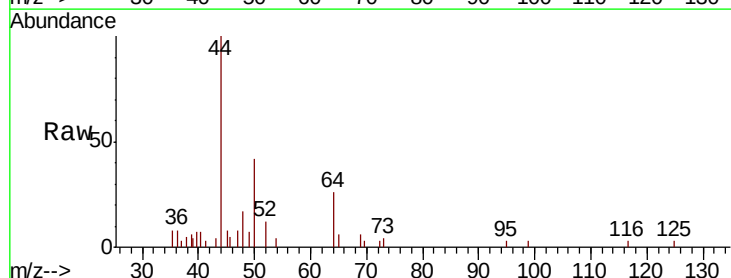
Acq: 02 Aug 2019 01:11

Tgt Ion: 50 Resp: 921

Ion Ratio Lower Upper

50 100

52 16.6 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

800

600

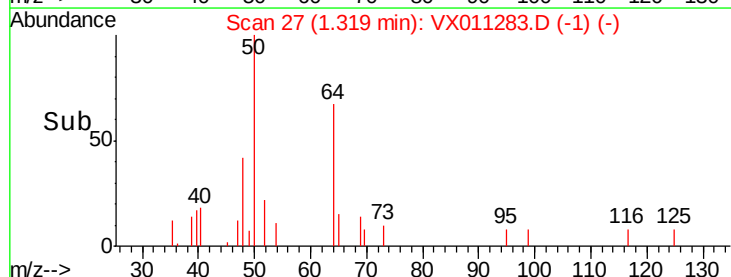
400

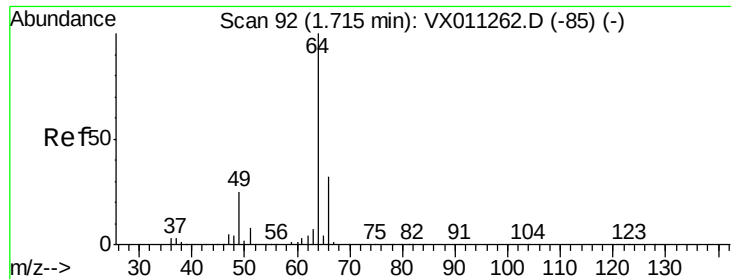
200

0

Time-->

1.30 1.35 1.40





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011283.D

Acq: 02 Aug 2019 01:11

Instrument :

MSVOA_X

ClientSampleId :

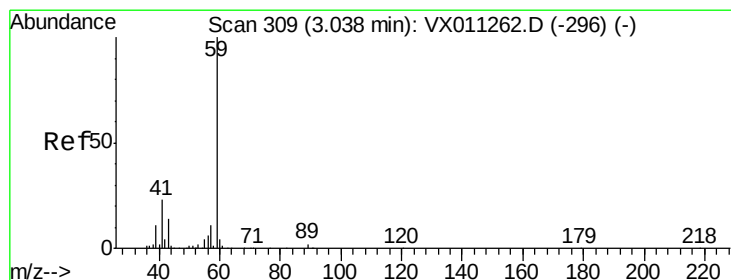
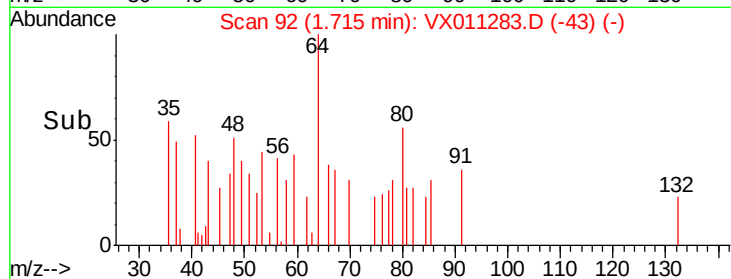
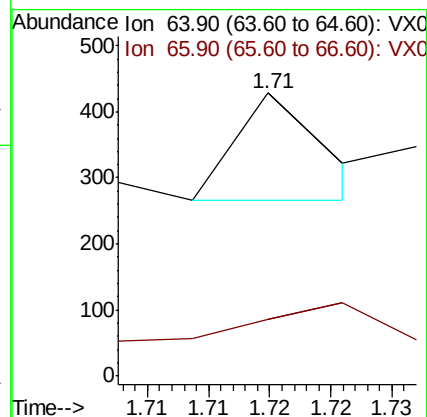
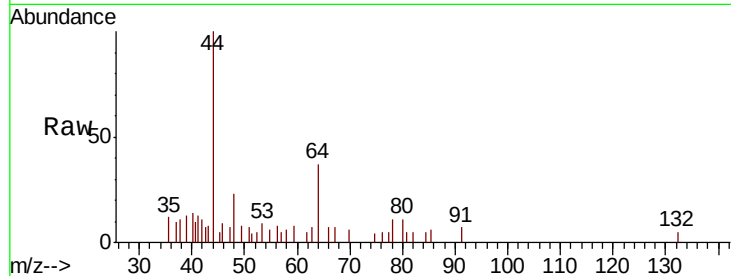
SA-PZ180I-20190731

Tot Ion: 64 Resp: 80

Ion Ratio Lower Upper

64 100

66 17.9 25.1 37.7#



#11

Tert butyl alcohol

Concen: 1.591 ug/l

RT: 3.01 min Scan# 304

Delta R.T. -0.03 min

Lab File: VX011283.D

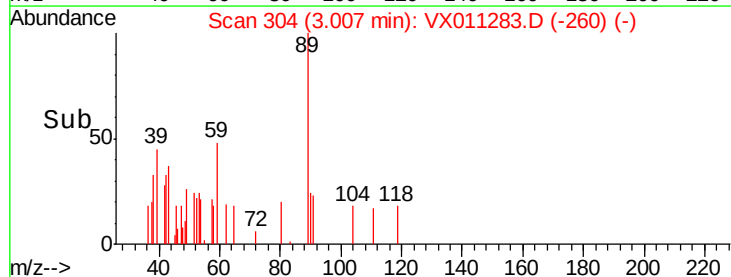
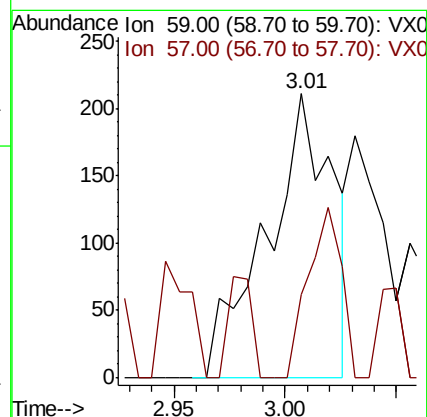
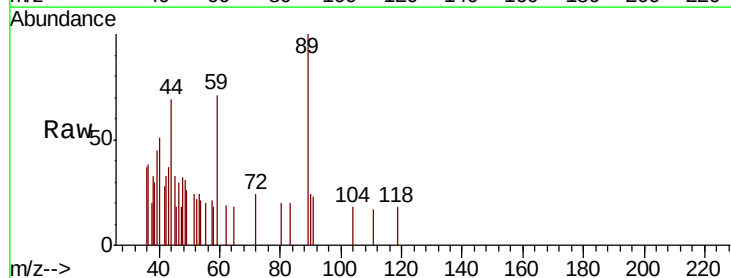
Acq: 02 Aug 2019 01:11

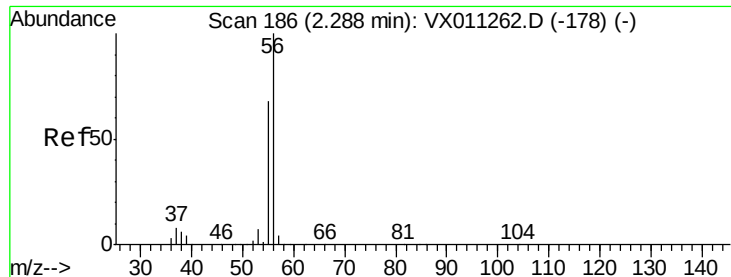
Tgt Ion: 59 Resp: 432

Ion Ratio Lower Upper

59 100

57 30.6 8.3 12.5#





#13

Acrolein

Concen: 0.525 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX011283.D

Acq: 02 Aug 2019 01:11

Instrument :

MSVOA_X

ClientSampleId :

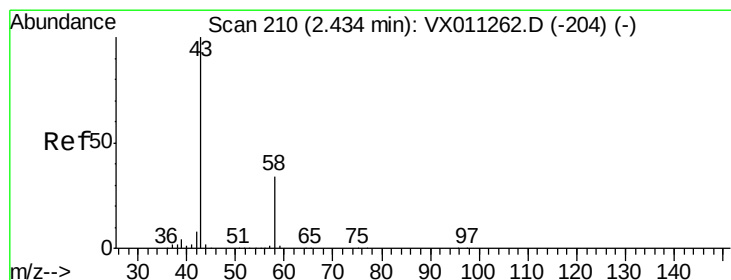
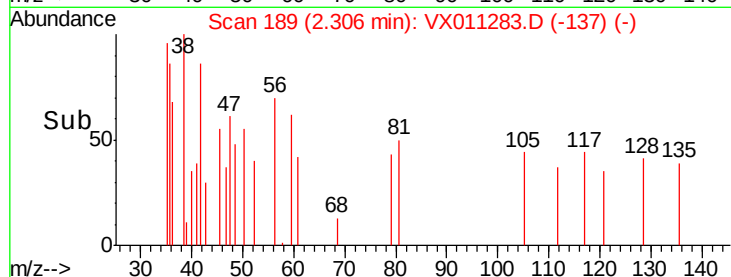
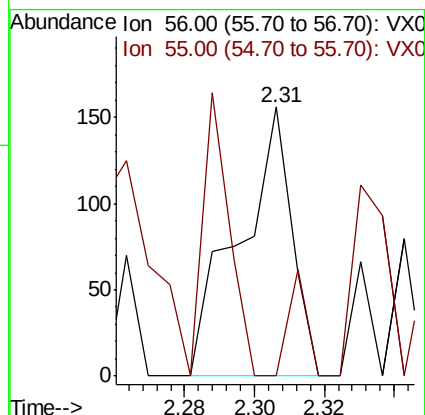
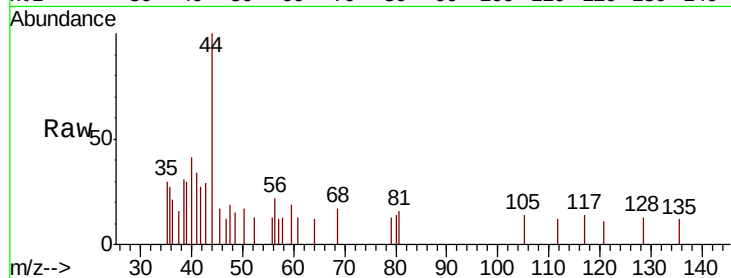
SA-PZ180I-20190731

Tot Ion: 56 Resp: 162

Ion Ratio Lower Upper

56 100

55 14.2 56.0 84.0#



#16

Acetone

Concen: 2.635 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011283.D

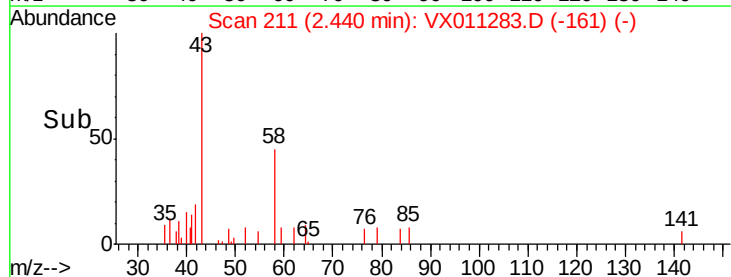
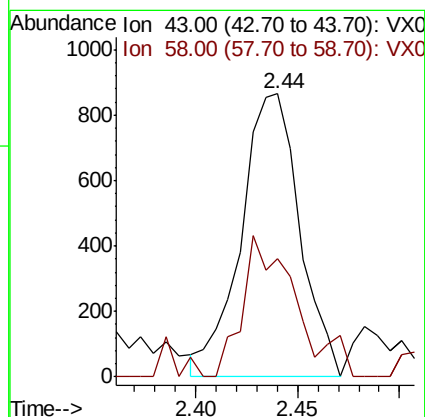
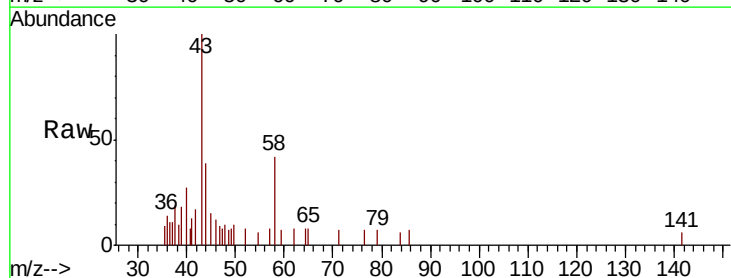
Acq: 02 Aug 2019 01:11

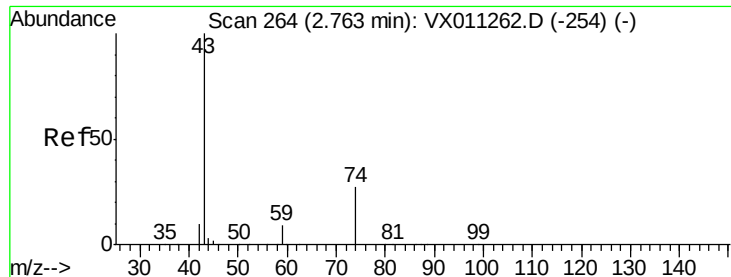
Tgt Ion: 43 Resp: 1732

Ion Ratio Lower Upper

43 100

58 35.0 27.4 41.0

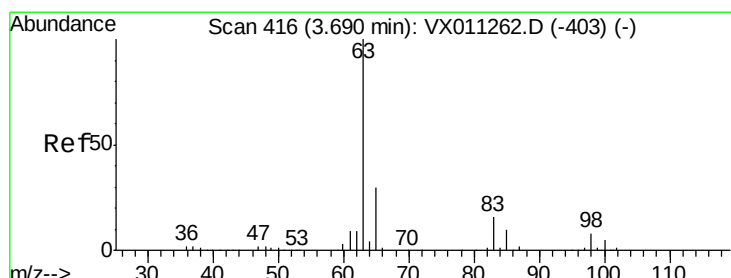
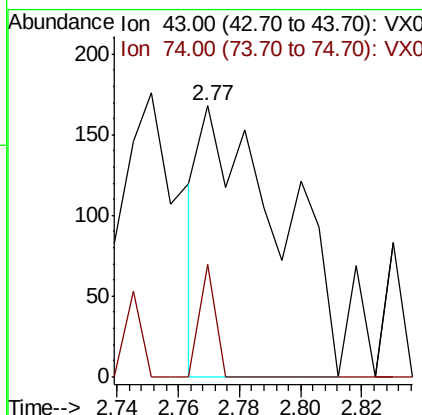
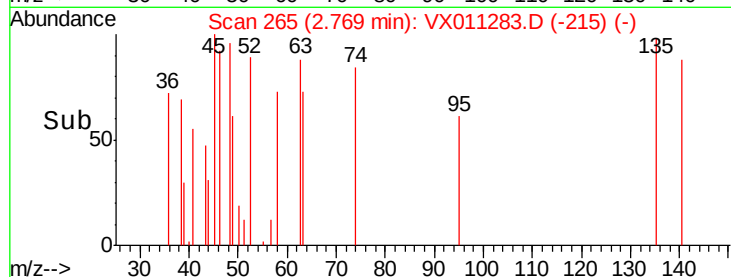
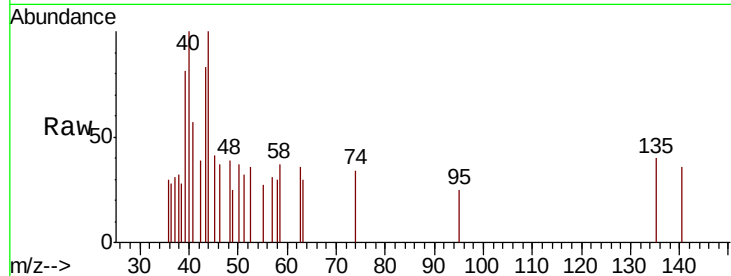




#18
Methyl Acetate
Concen: 0.202 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011283.D
Acq: 02 Aug 2019 01:11

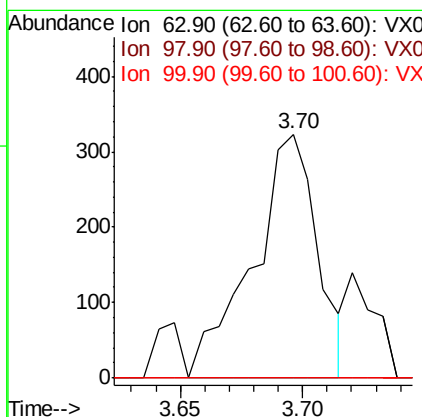
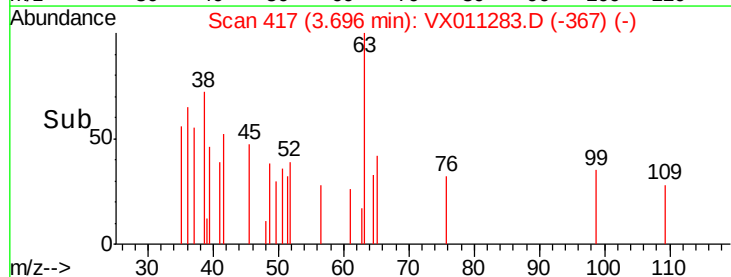
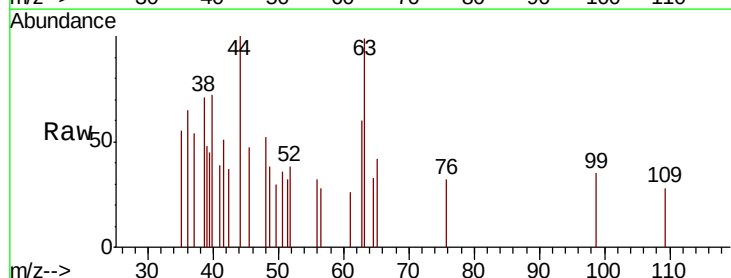
Instrument :
MSVOA_X
ClientSampleId :
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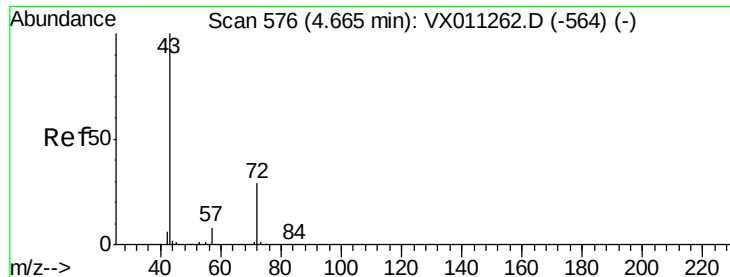
Tot Ion: 43 Resp: 303
Ion Ratio Lower Upper
43 100
74 8.6 21.0 31.6#



#24
1,1-Dichloroethane
Concen: 0.276 ug/l
RT: 3.70 min Scan# 417
Delta R.T. 0.01 min
Lab File: VX011283.D
Acq: 02 Aug 2019 01:11

Tgt Ion: 63 Resp: 595
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.5#
100 0.0 2.7 8.1#





#25

2-Butanone

Concen: 0.231 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.02 min

Lab File: VX011283.D

Acq: 02 Aug 2019 01:11

Instrument :

MSVOA_X

ClientSampleId :

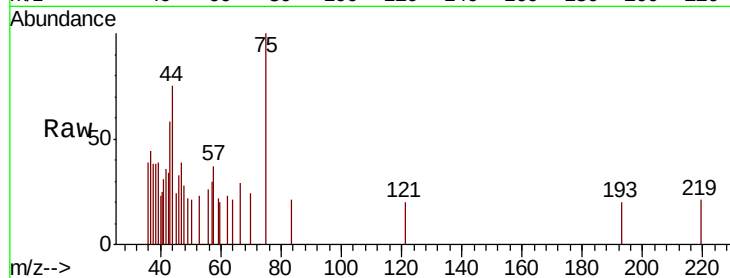
SA-PZ180I-20190731

Tot Ion: 43 Resp: 216

Ion Ratio Lower Upper

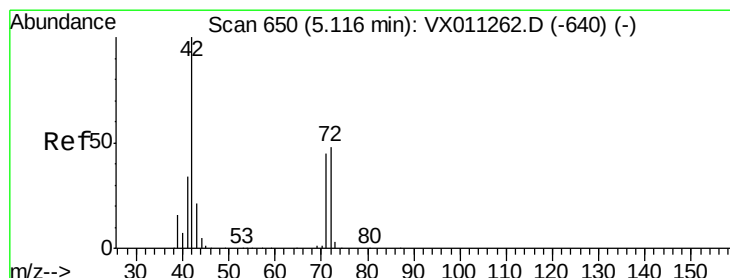
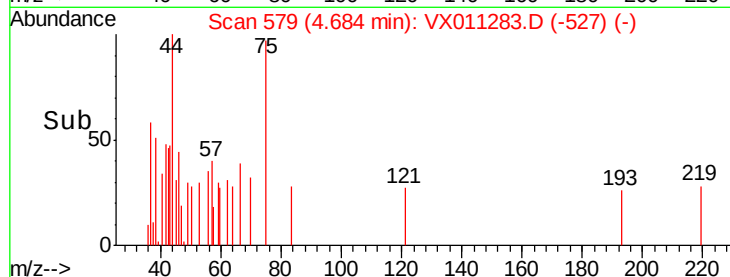
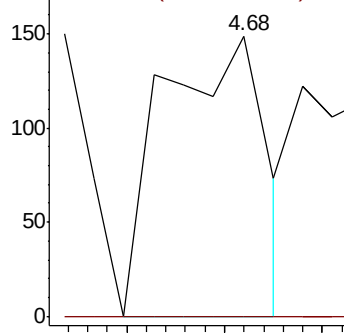
43 100

72 0.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.687 ug/l

RT: 5.12 min Scan# 650

Delta R.T. 0.00 min

Lab File: VX011283.D

Acq: 02 Aug 2019 01:11

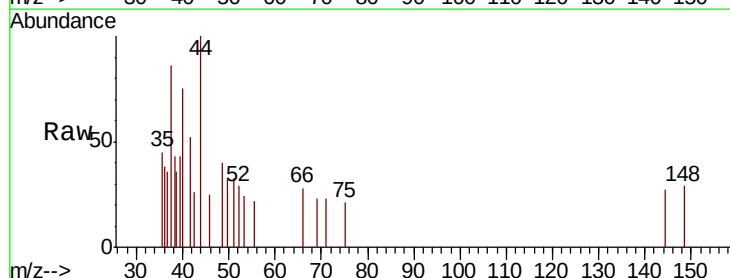
Tgt Ion: 42 Resp: 394

Ion Ratio Lower Upper

42 100

72 0.0 39.9 59.9#

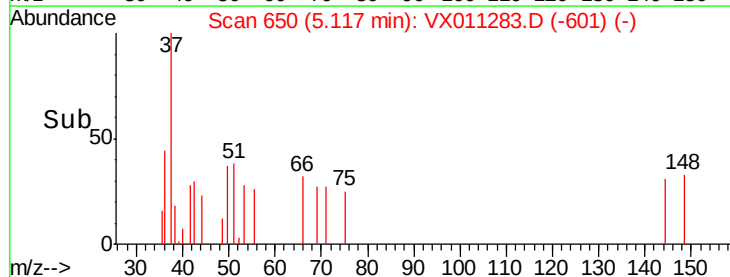
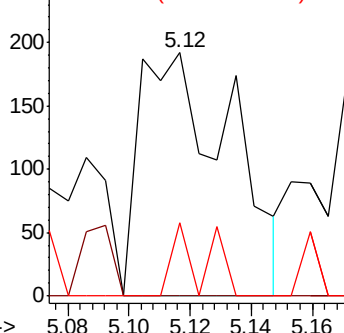
71 10.4 36.9 55.3#

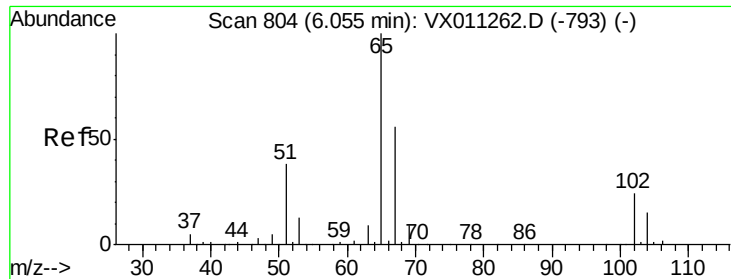


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

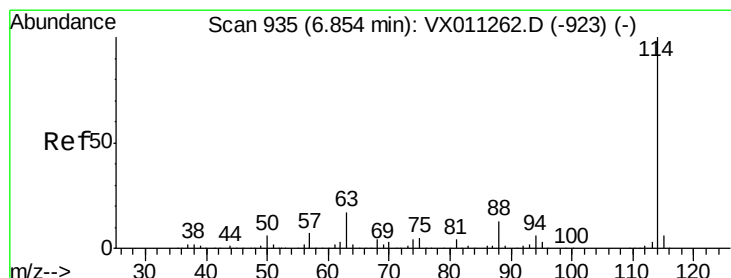
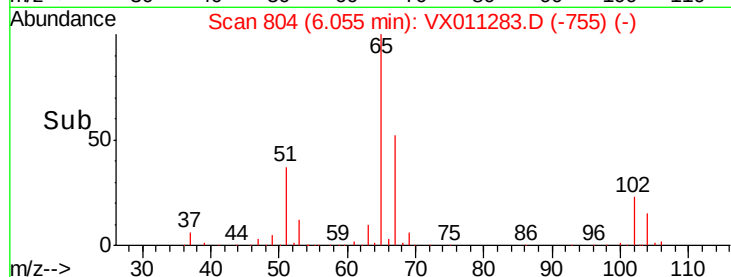
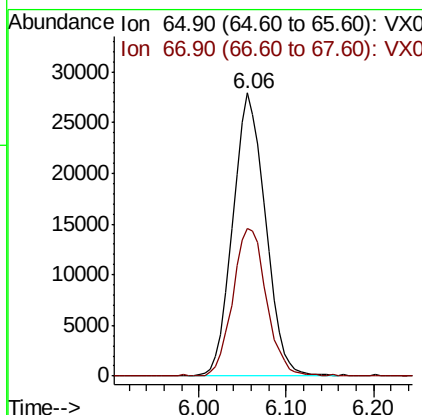
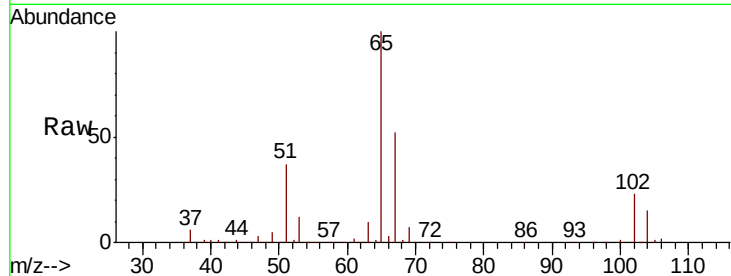




#33
 1,2-Dichloroethane-d4
 Concen: 52.539 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011283.D
 Acq: 02 Aug 2019 01:11

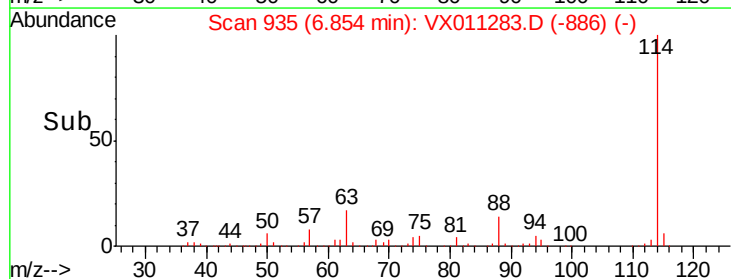
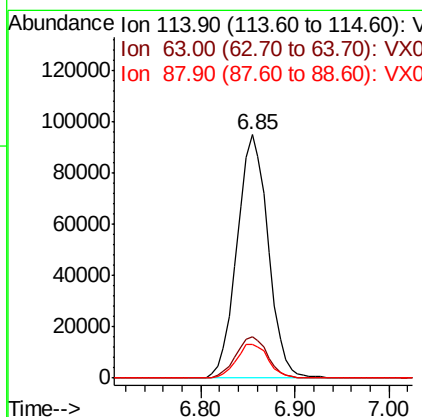
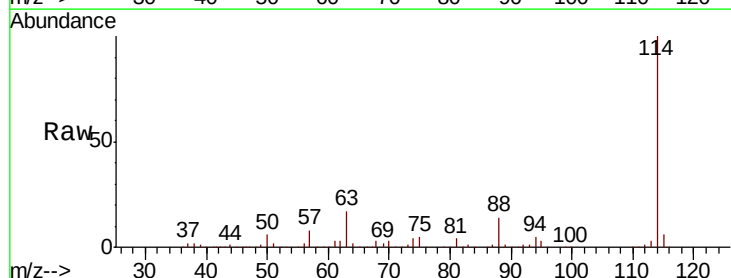
Instrument :
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 SA-PZ180I-20190731

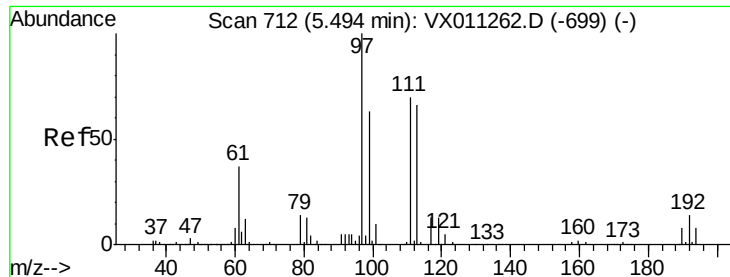
Tot Ion: 65 Resp: 72552
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011283.D
 Acq: 02 Aug 2019 01:11

Tgt Ion: 114 Resp: 219602
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 34.0
 88 14.1 0.0 26.4





#35

Dibromofluoromethane

Concen: 48.396 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011283.D

Acq: 02 Aug 2019 01:11

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ180I-20190731

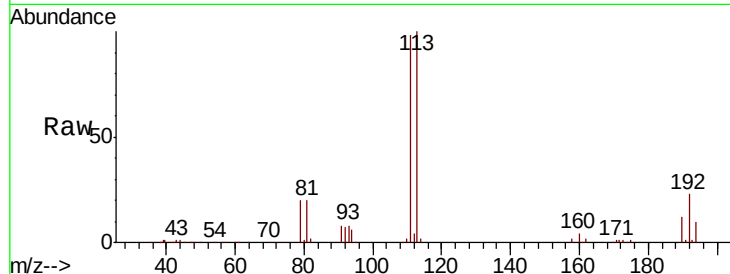
Tot Ion:113 Resp: 69387

Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

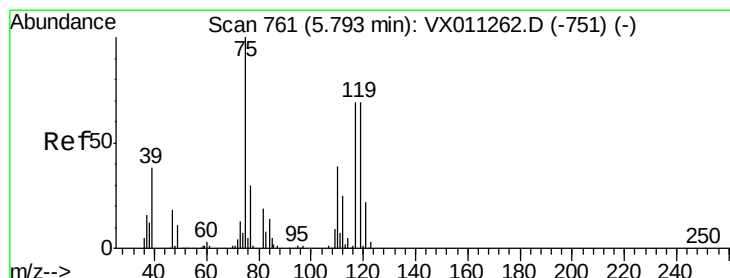
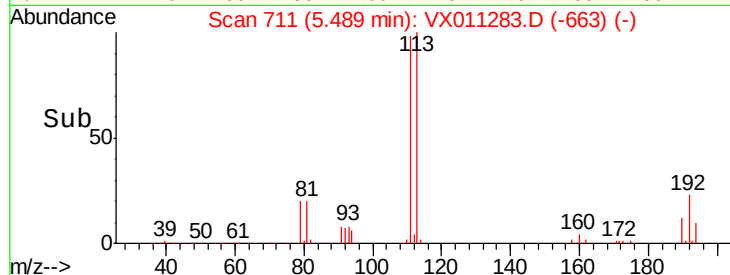
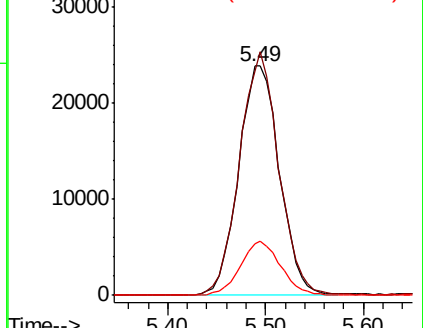
192 23.0 17.8 26.8



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: 4.577 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011283.D

Acq: 02 Aug 2019 01:11

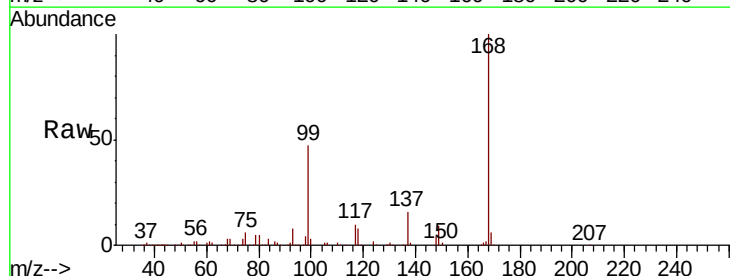
Tgt Ion: 75 Resp: 8776

Ion Ratio Lower Upper

75 100

110 6.3 20.0 59.9#

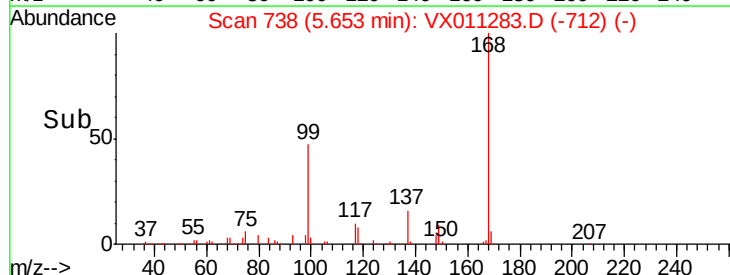
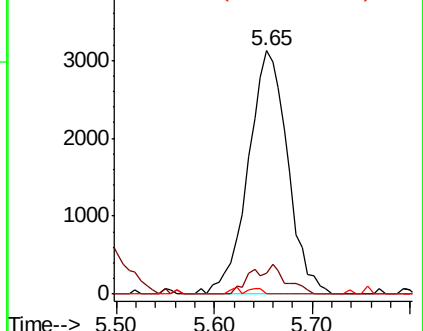
77 0.0 24.8 37.2#

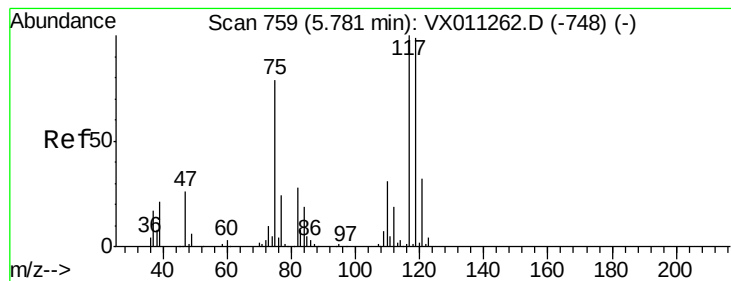


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.471 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011283.D

Acq: 02 Aug 2019 01:11

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ180I-20190731

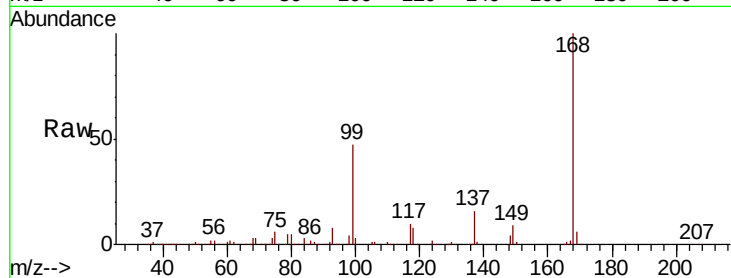
Tot Ion:117 Resp: 12483

Ion Ratio Lower Upper

117 100

119 4.0 79.0 118.4#

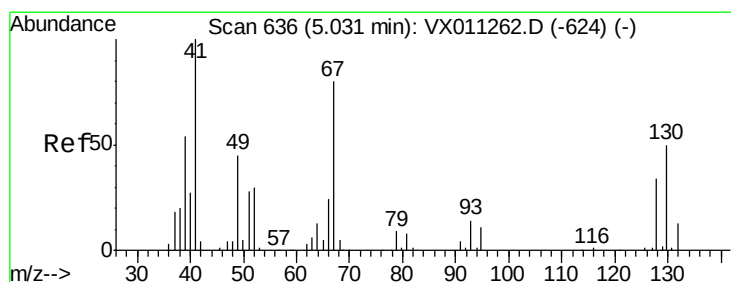
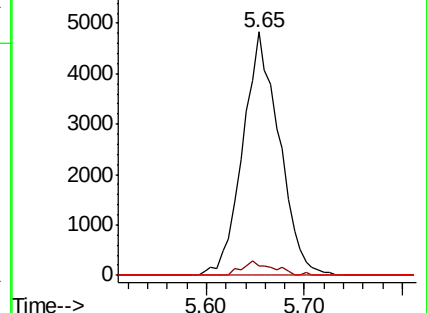
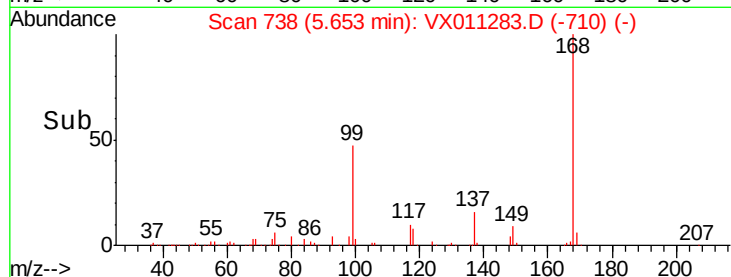
121 0.0 25.9 38.9#



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: 0.202 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.02 min

Lab File: VX011283.D

Acq: 02 Aug 2019 01:11

Tgt Ion: 41 Resp: 212

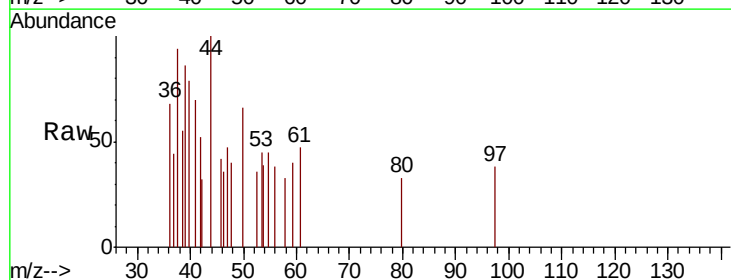
Ion Ratio Lower Upper

41 100

39 84.0 43.0 64.6#

67 9.0 65.1 97.7#

52 0.0 24.8 37.2#

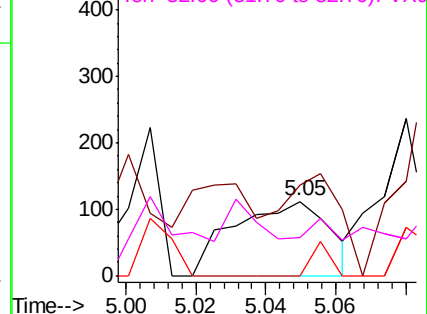
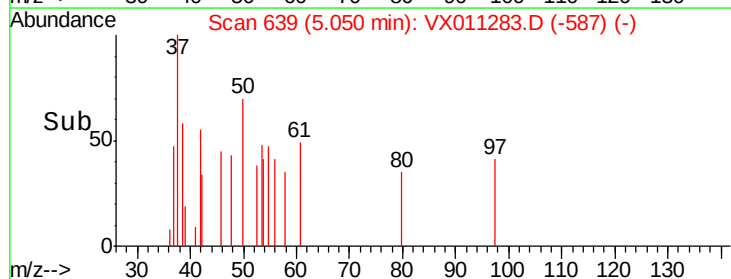


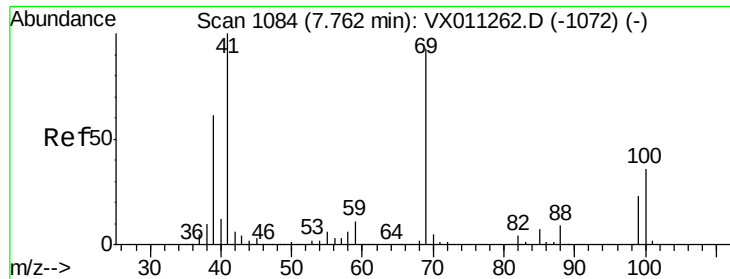
Abundance Ion 41.00 (40.70 to 41.70): VX0

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

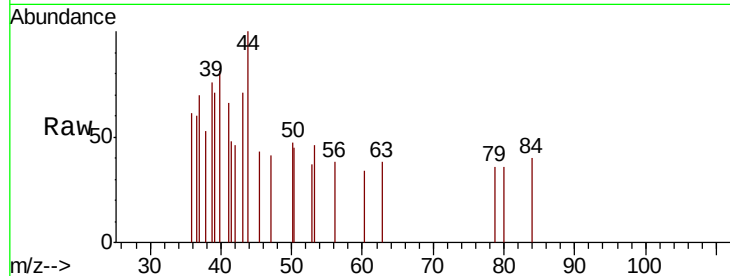




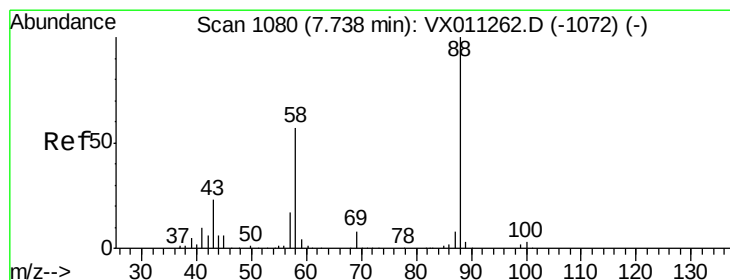
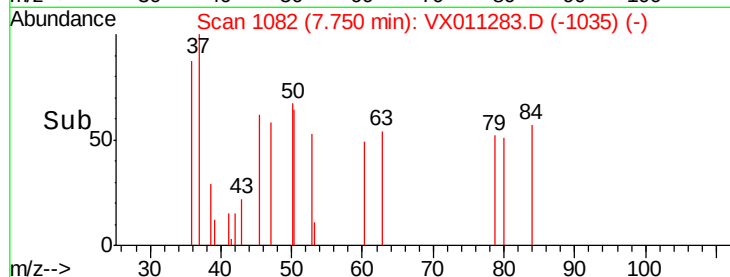
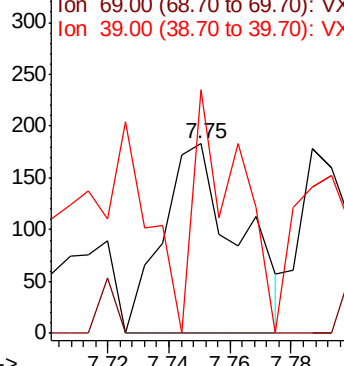
#48
Methvl methacrylate
Concen: 0.217 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX011283.D
Acq: 02 Aug 2019 01:11

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ180I-20190731

Tot Ion: 41 Resp: 314
Ion Ratio Lower Upper
41 100
69 0.0 74.5 111.7#
39 76.1 48.6 72.8#

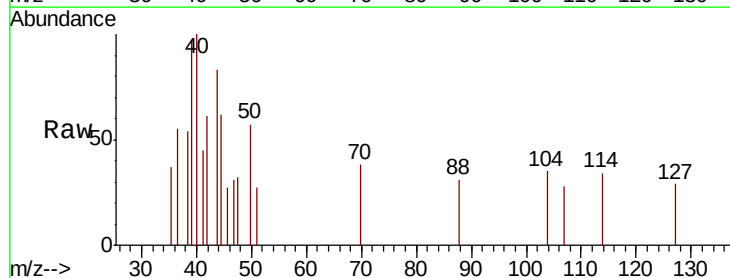


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

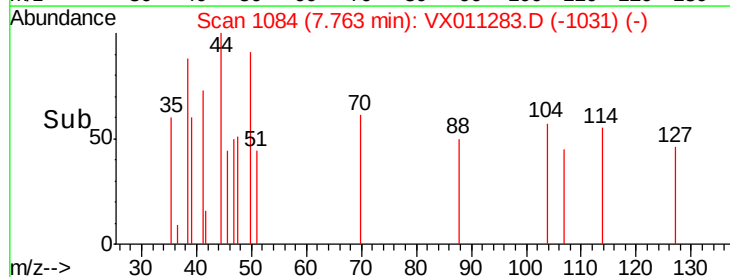
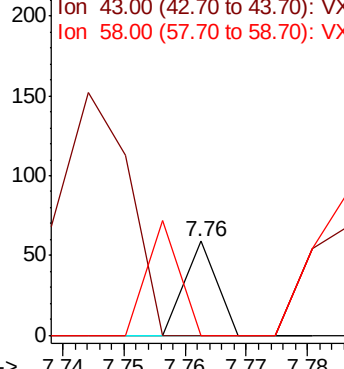


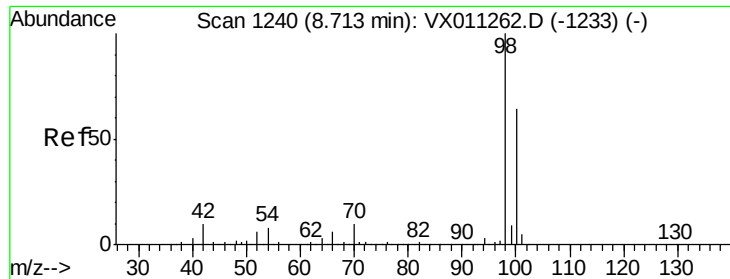
#49
1,4-Dioxane
Concen: 0.524 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.02 min
Lab File: VX011283.D
Acq: 02 Aug 2019 01:11

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 554.5 22.2 33.2#
58 118.2 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: 48.858 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011283.D

Acq: 02 Aug 2019 01:11

Instrument :

MSVOA_X

ClientSampleId :

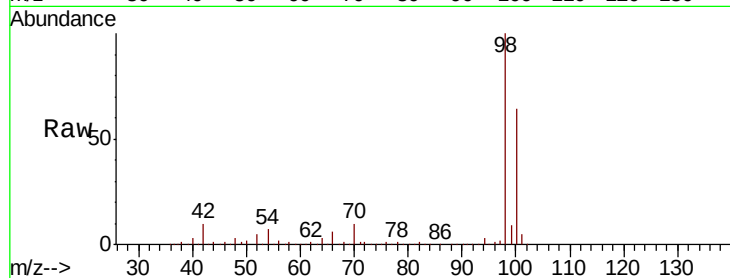
SA-PZ180I-20190731

Tot Ion: 98 Resp: 264413

Ion Ratio Lower Upper

98 100

100 64.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

200000

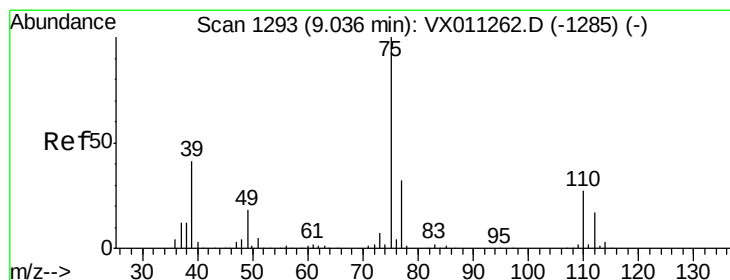
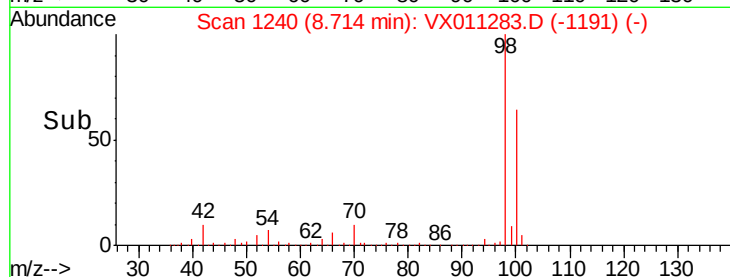
150000

100000

50000

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 2.848 ug/l

RT: 9.10 min Scan# 1303

Delta R.T. 0.06 min

Lab File: VX011283.D

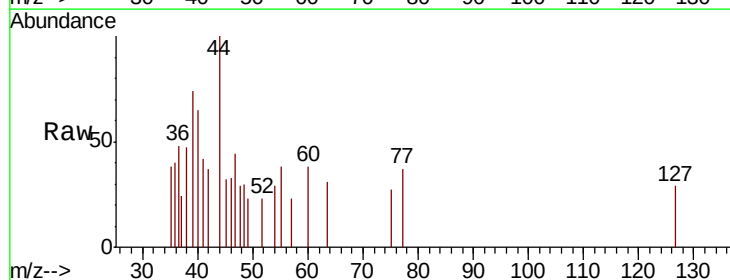
Acq: 02 Aug 2019 01:11

Tgt Ion: 75 Resp: 22

Ion Ratio Lower Upper

75 100

77 39.3 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.10

100

80

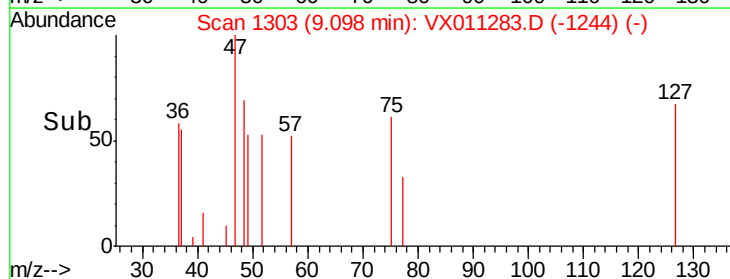
60

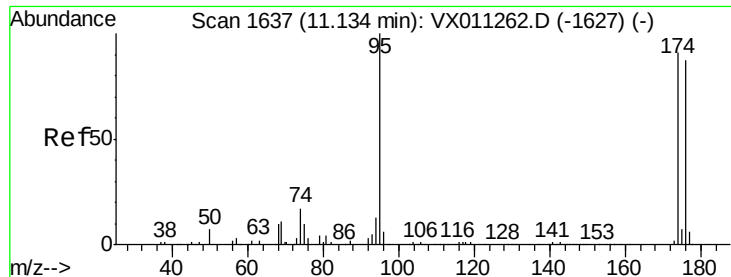
40

20

0

Time-->

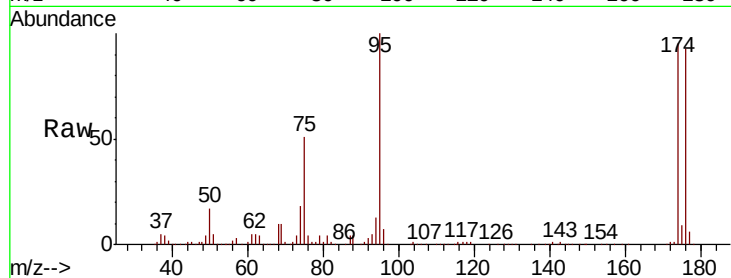




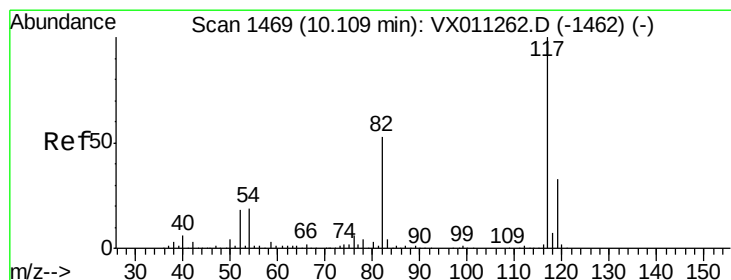
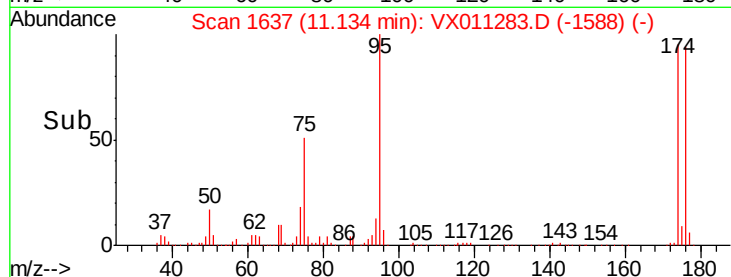
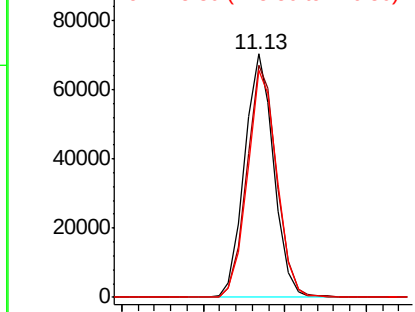
#62
4-Bromofluorobenzene
Concen: 45.487 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011283.D
Acq: 02 Aug 2019 01:11

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ180I-20190731

Tot Ion: 95 Resp: 87891
Ion Ratio Lower Upper
95 100
174 97.0 0.0 191.2
176 94.2 0.0 184.8

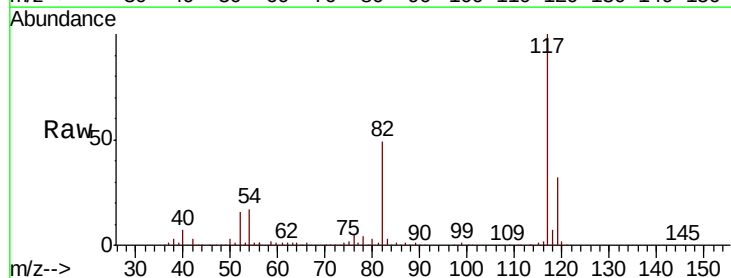


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

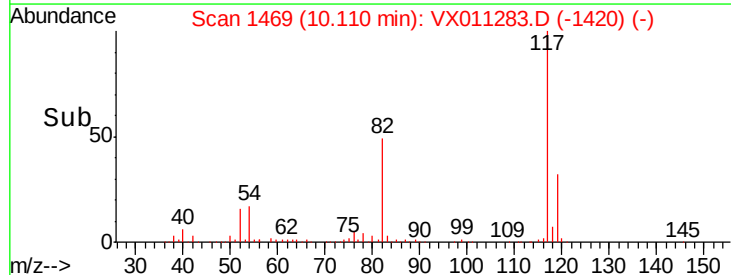
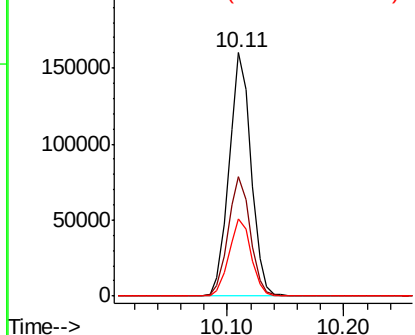


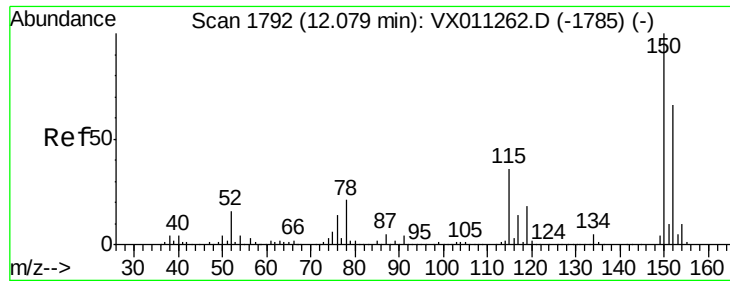
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011283.D
Acq: 02 Aug 2019 01:11

Tgt Ion: 117 Resp: 209958
Ion Ratio Lower Upper
117 100
82 49.1 42.2 63.2
119 31.6 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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011283.D

Acq: 02 Aug 2019 01:11

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ180I-20190731

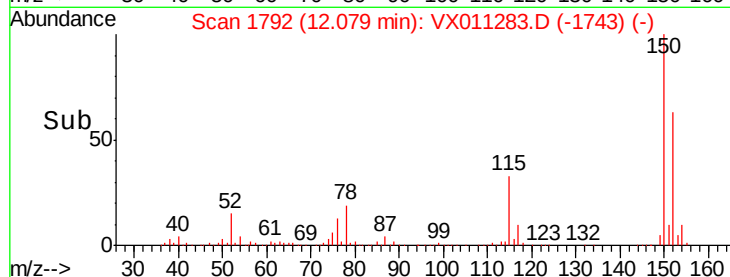
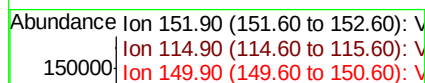
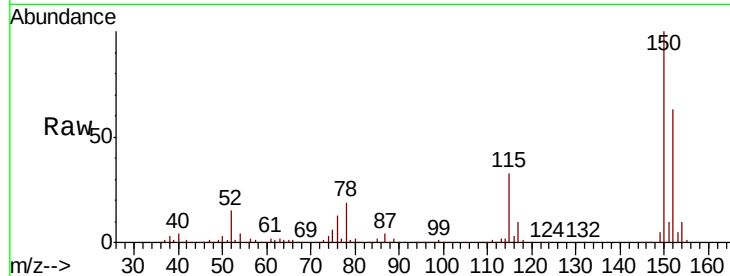
Tot Ion:152 Resp: 93601

Ion Ratio Lower Upper

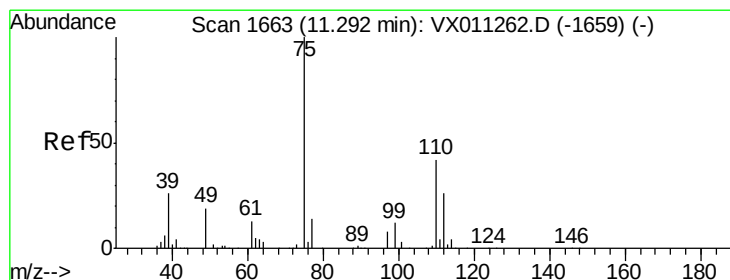
152 100

115 54.3 40.0 119.9

150 158.5 0.0 350.4



Time-->



#76

1,2,3-Trichloropropane

Concen: 25.360 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011283.D

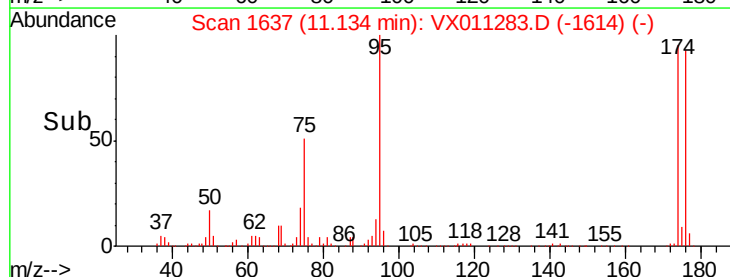
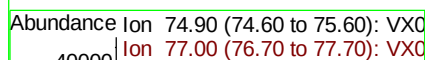
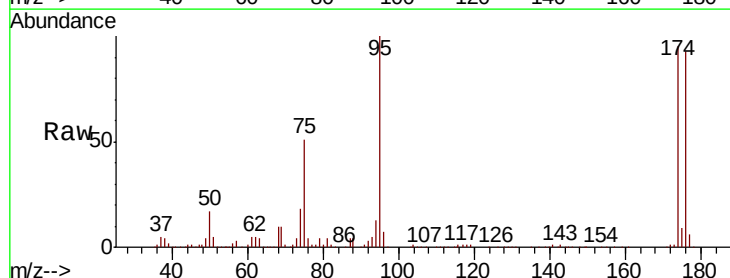
Acq: 02 Aug 2019 01:11

Tgt Ion: 75 Resp: 43229

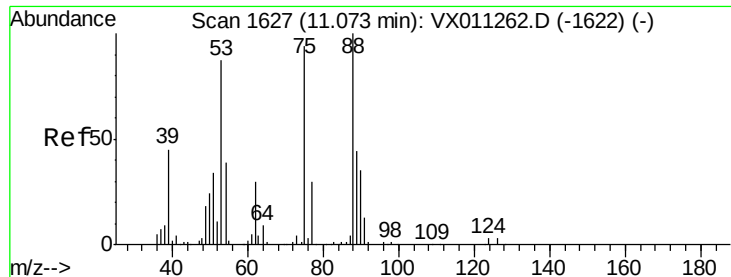
Ion Ratio Lower Upper

75 100

77 1.7 21.1 63.4#



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 66.115 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011283.D

Acq: 02 Aug 2019 01:11

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ180I-20190731

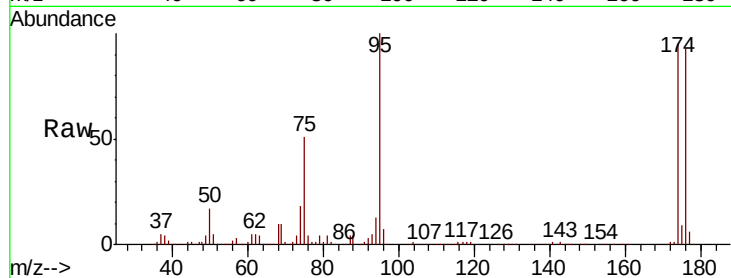
Tot Ion: 75 Resp: 43229

Ion Ratio Lower Upper

75 100

53 0.3 78.2 117.4#

89 0.0 37.9 56.9#



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

