

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053119\
 Data File : VX009976.D
 Acq On : 31 May 2019 11:14
 Operator : JC/SP
 Sample : K3128-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-TB-2019-6

Quant Time: Jun 01 04:43:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	170842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	273286	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	107437	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	118810	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
35) Dibromofluoromethane	5.50	113	86389	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
50) Toluene-d8	8.71	98	349780	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
62) 4-Bromofluorobenzene	11.13	95	117922	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	

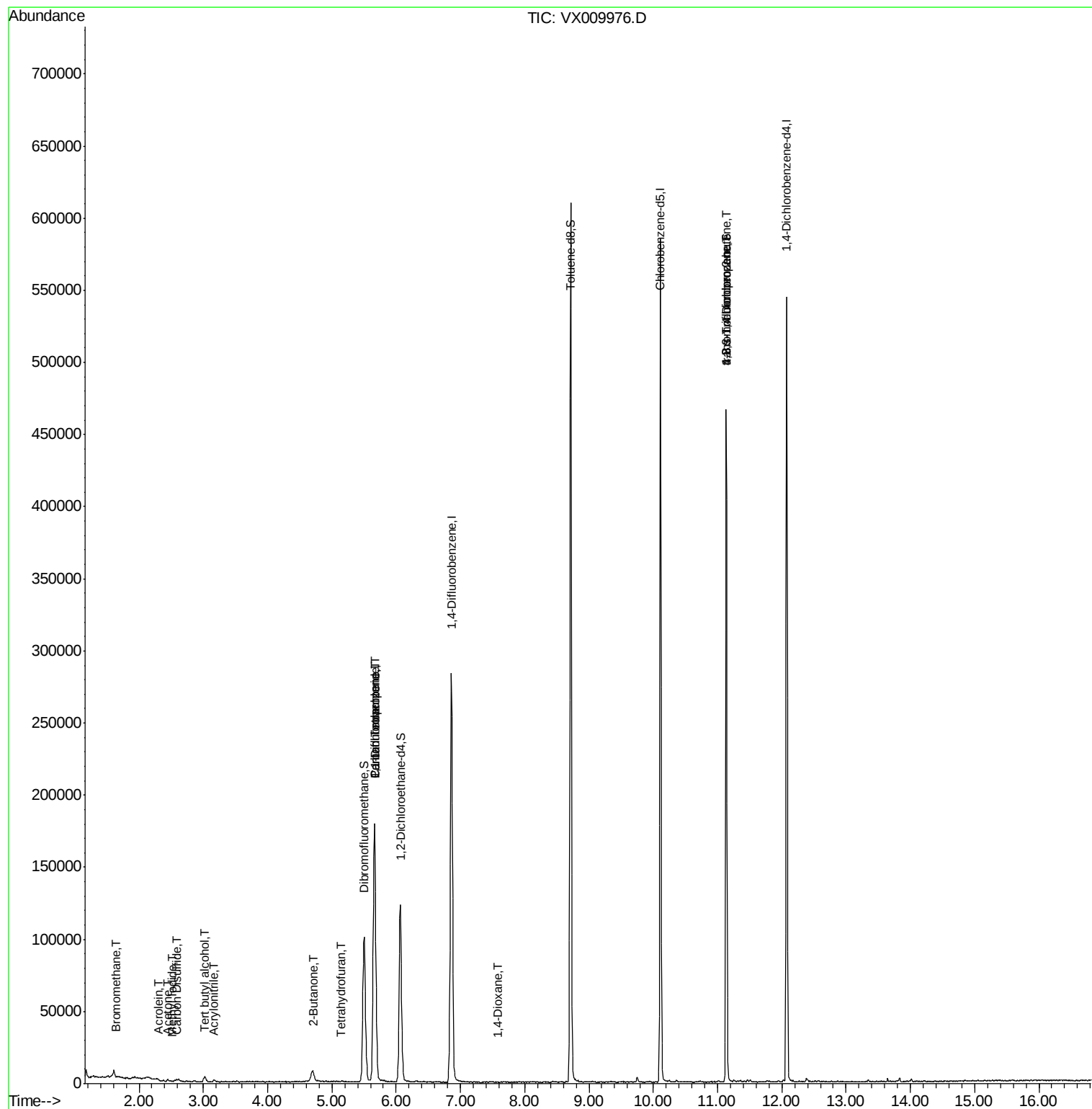
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	528	0.344	ug/l	81
10) Methyl Iodide	2.51	142	456	4.855	ug/l #	87
11) Tert butyl alcohol	3.02	59	2238	3.768	ug/l #	78
13) Acrolein	2.30	56	240	21.619	ug/l #	74
15) Acrylonitrile	3.15	53	516	0.361	ug/l #	22
16) Acetone	2.45	43	1638	1.175	ug/l	97
17) Carbon Disulfide	2.57	76	1412	0.652	ug/l #	69
25) 2-Butanone	4.71	43	950	0.437	ug/l #	85
29) Tetrahydrofuran	5.15	42	388	0.279	ug/l #	51
36) 1,1-Dichloropropene	5.66	75	13961	5.035	ug/l #	51
38) Carbon Tetrachloride	5.67	117	16332	6.816	ug/l #	16
49) 1,4-Dioxane	7.59	88	20	0.348	ug/l #	64
76) 1,2,3-Trichloropropane	11.13	75	62554	24.348	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	62554	60.241	ug/l #	10

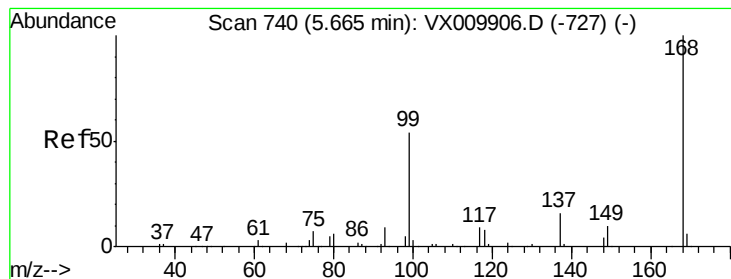
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 01 04:43:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009976.D

Acq: 31 May 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

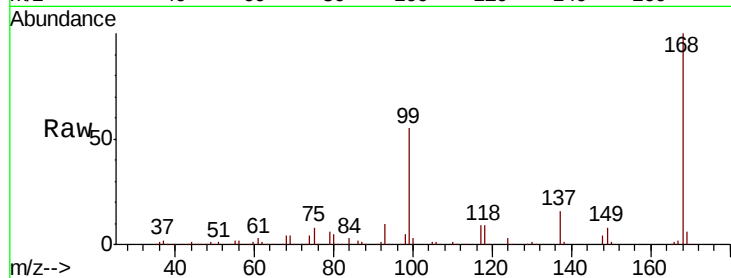
S32-TB-2019-6

Tot Ion:168 Resp: 170842

Ion Ratio Lower Upper

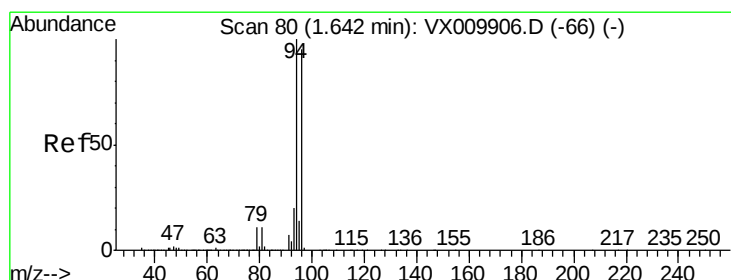
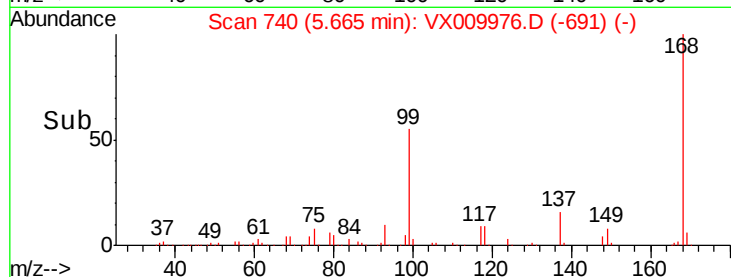
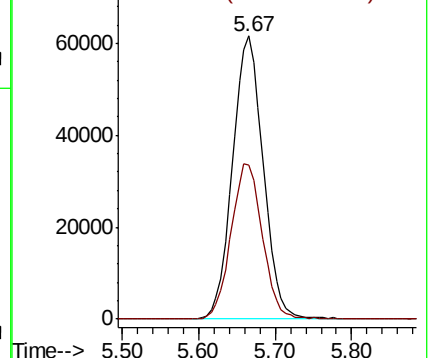
168 100

99 54.5 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.344 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009976.D

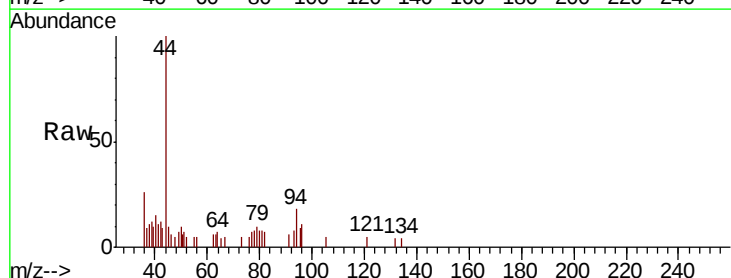
Acq: 31 May 2019 11:14

Tgt Ion: 94 Resp: 528

Ion Ratio Lower Upper

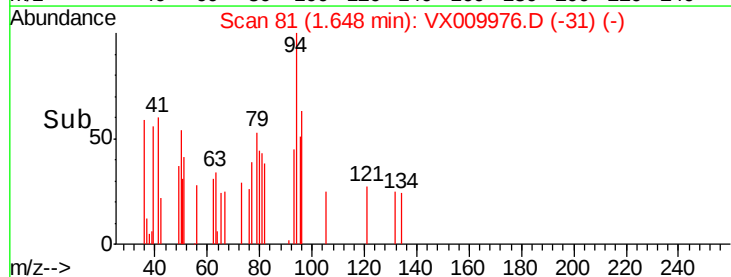
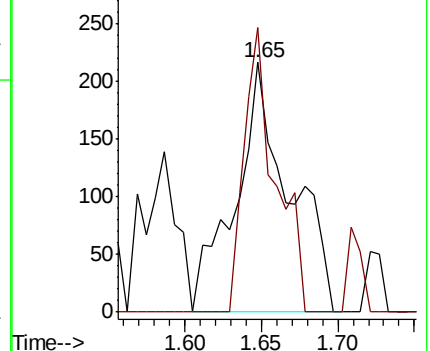
94 100

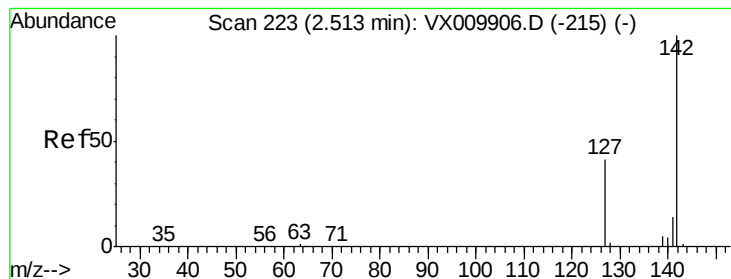
96 113.9 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

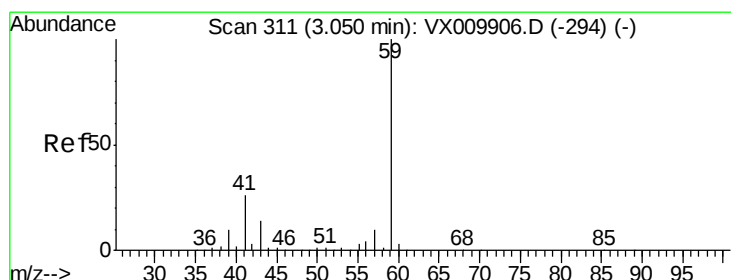
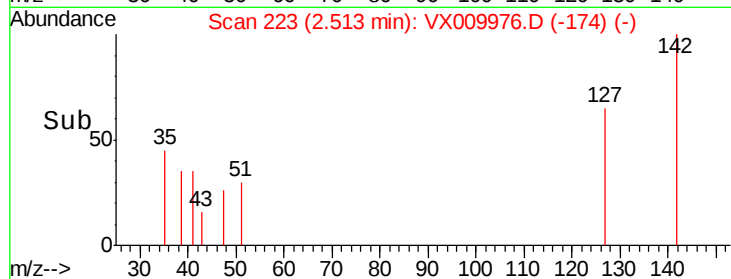
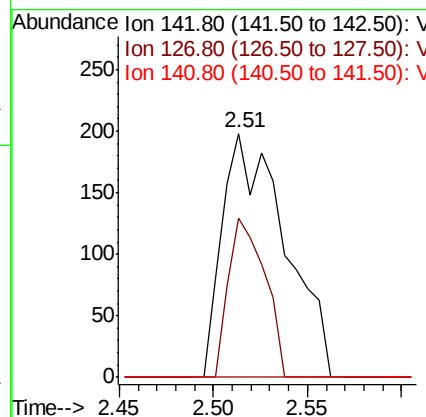
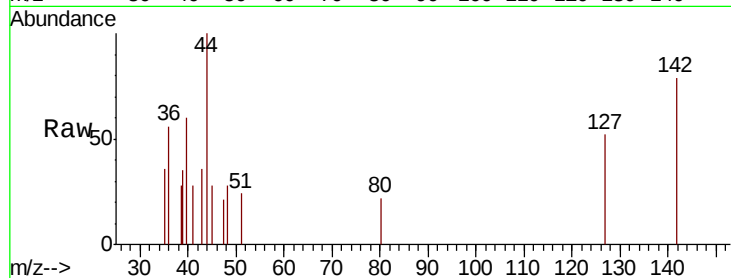




#10
Methyl Iodide
Concen: 4.855 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX009976.D
Acq: 31 May 2019 11:14

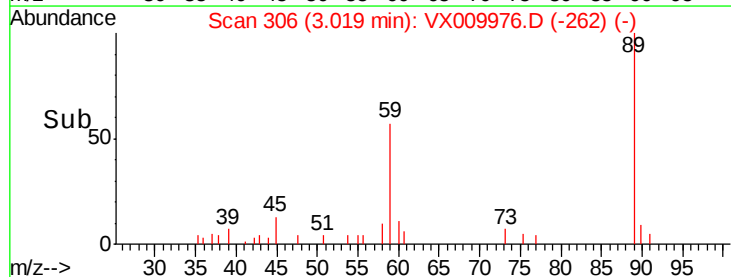
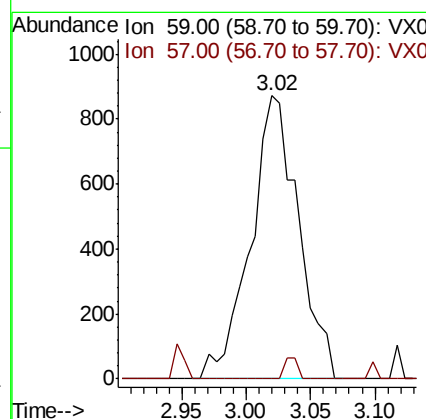
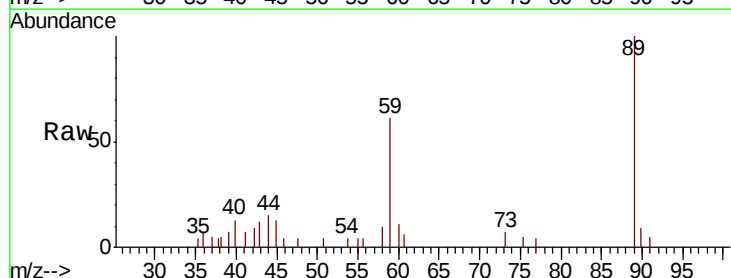
Instrument :
MSVOA_X
ClientSampled :
S32-TB-2019-6

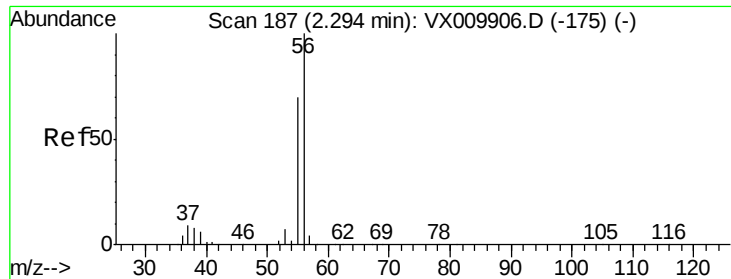
Tot Ion:142 Resp: 456
Ion Ratio Lower Upper
142 100
127 37.9 33.0 49.4
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 3.768 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009976.D
Acq: 31 May 2019 11:14

Tgt Ion: 59 Resp: 2238
Ion Ratio Lower Upper
59 100
57 2.1 8.2 12.2#





#13

Acrolein

Concen: 21.619 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX009976.D

Acq: 31 May 2019 11:14

Instrument :

MSVOA_X

ClientSampled :

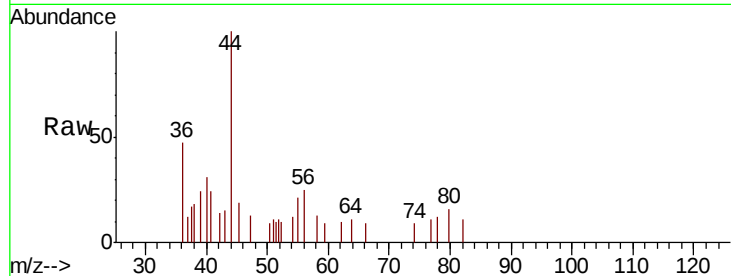
S32-TB-2019-6

Tot Ion: 56 Resp: 240

Ion Ratio Lower Upper

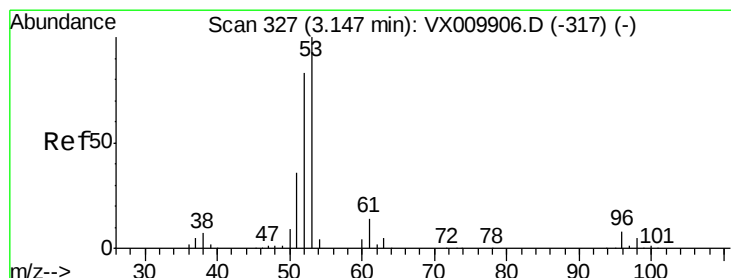
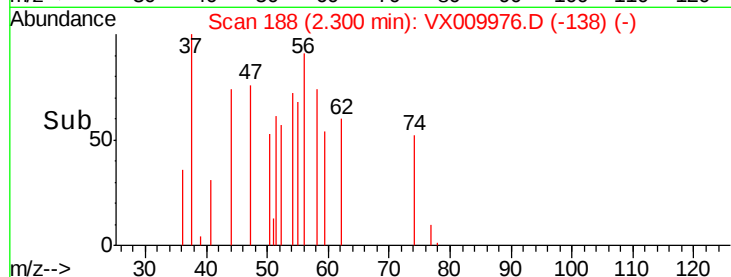
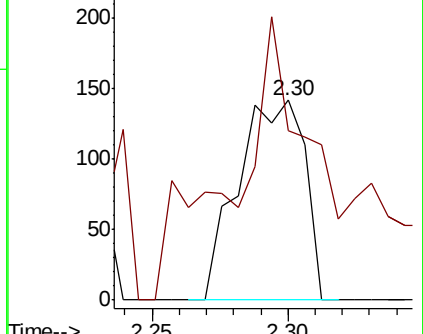
56 100

55 49.6 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.361 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX009976.D

Acq: 31 May 2019 11:14

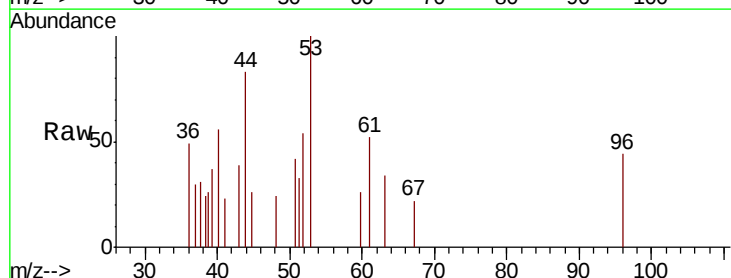
Tgt Ion: 53 Resp: 516

Ion Ratio Lower Upper

53 100

52 0.0 66.7 100.1#

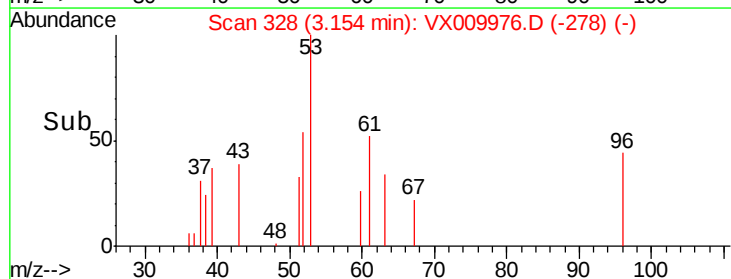
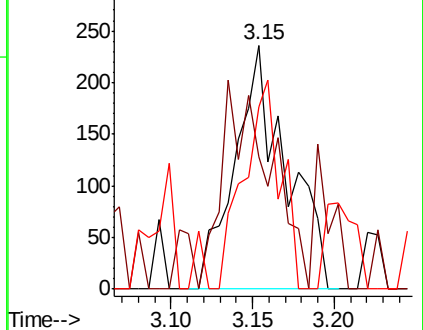
51 62.0 28.8 43.2#

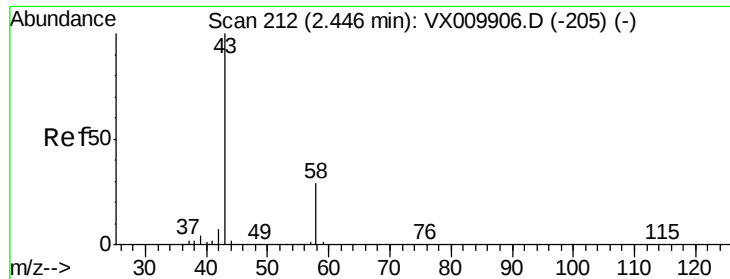


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 1.175 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009976.D

Acq: 31 May 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

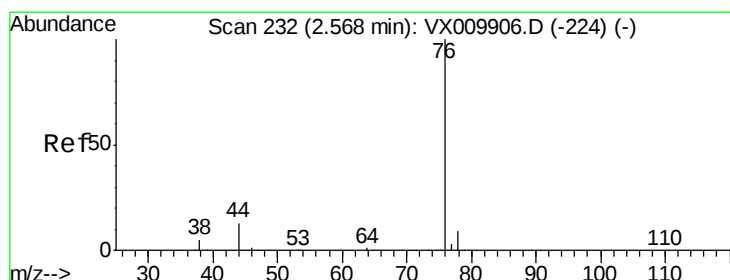
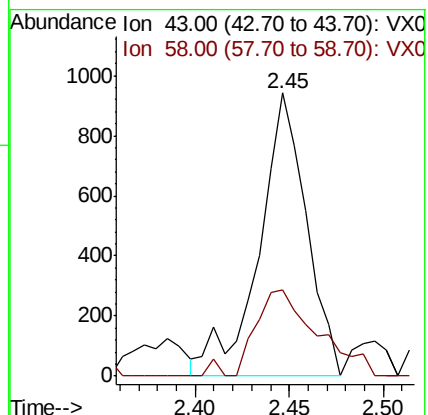
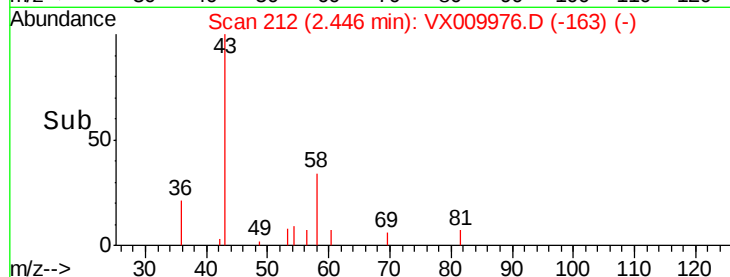
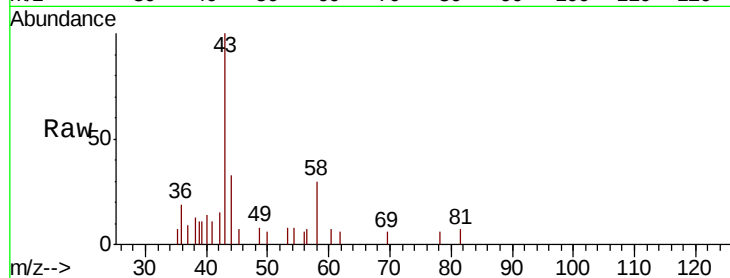
S32-TB-2019-6

Tot Ion: 43 Resp: 1638

Ion Ratio Lower Upper

43 100

58 30.4 23.2 34.8



#17

Carbon Disulfide

Concen: 0.652 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009976.D

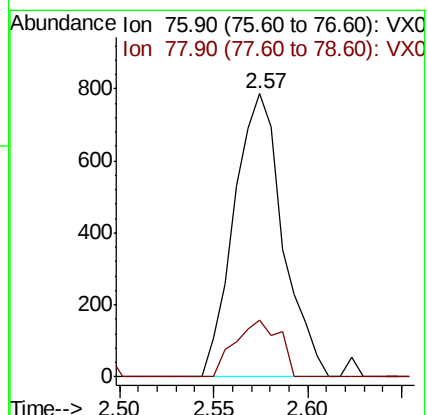
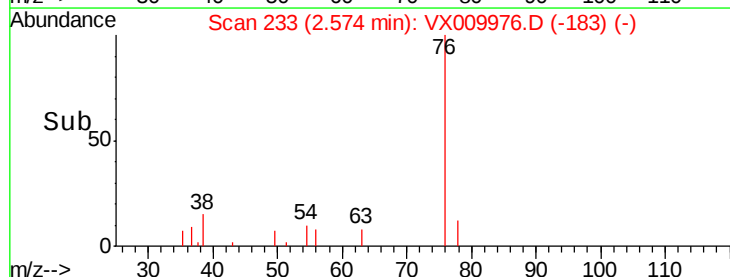
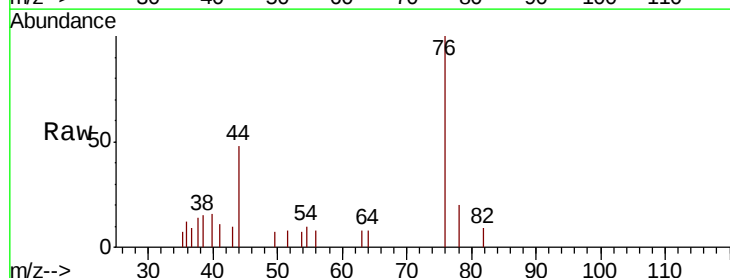
Acq: 31 May 2019 11:14

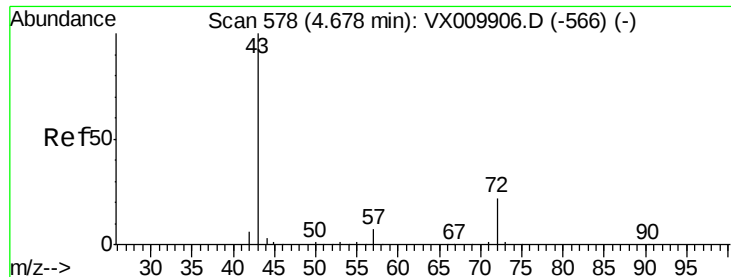
Tgt Ion: 76 Resp: 1412

Ion Ratio Lower Upper

76 100

78 20.0 7.0 10.6#





#25

2-Butanone

Concen: 0.437 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.04 min

Lab File: VX009976.D

Acq: 31 May 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

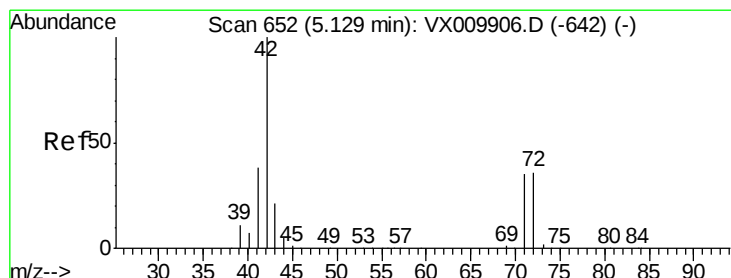
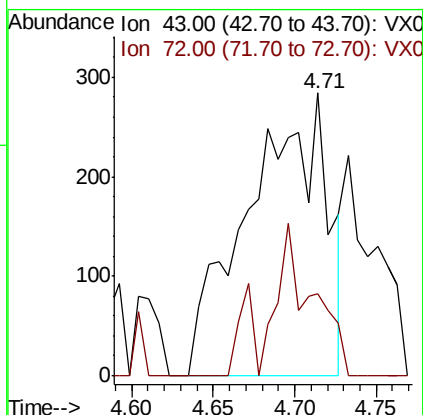
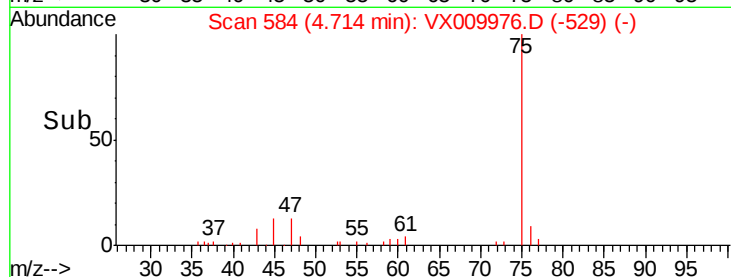
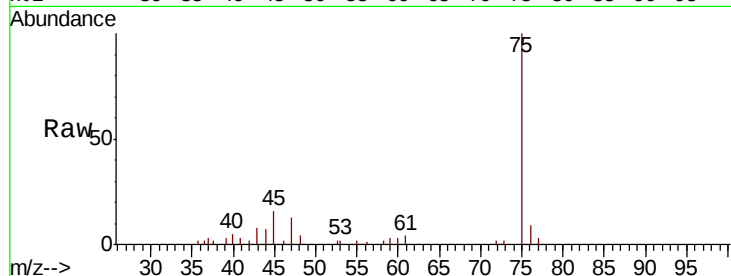
S32-TB-2019-6

Tot Ion: 43 Resp: 950

Ion Ratio Lower Upper

43 100

72 29.2 17.5 26.3#



#29

Tetrahydrofuran

Concen: 0.279 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX009976.D

Acq: 31 May 2019 11:14

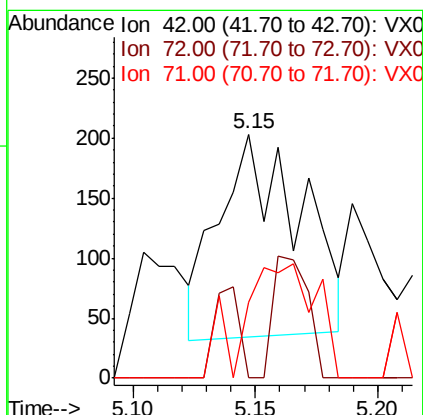
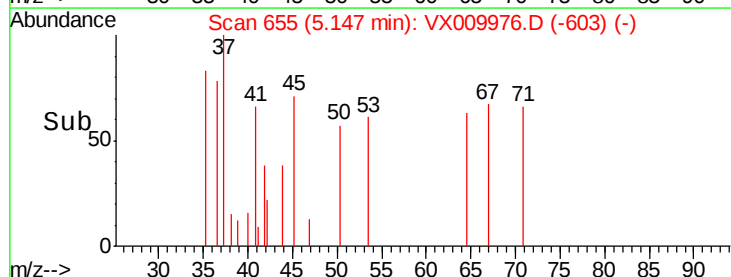
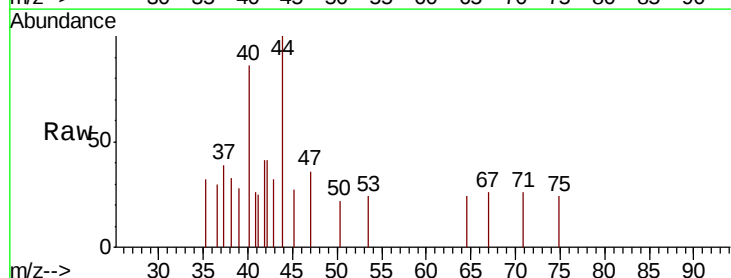
Tgt Ion: 42 Resp: 388

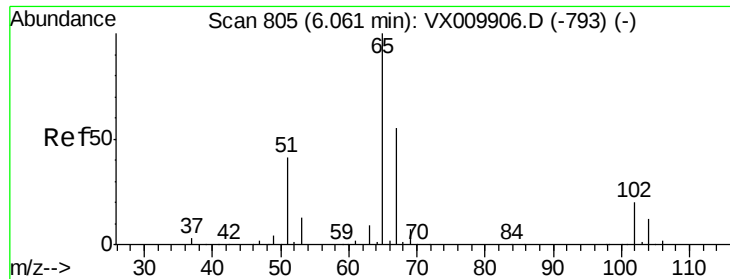
Ion Ratio Lower Upper

42 100

72 13.9 29.2 43.8#

71 0.0 27.6 41.4#

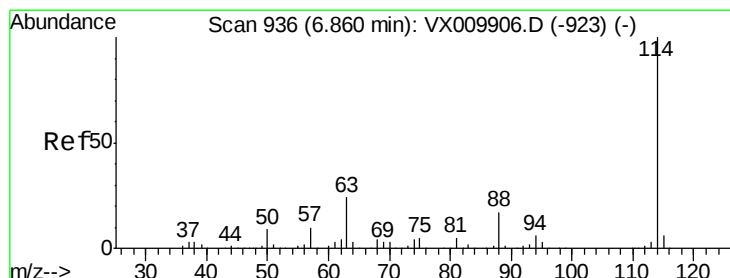
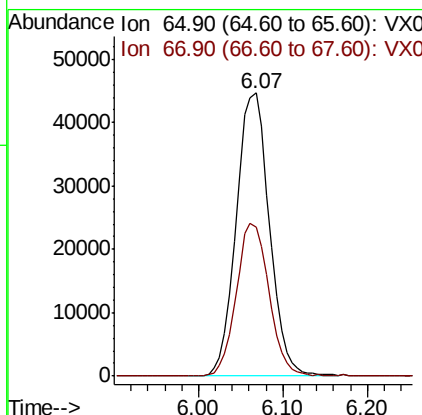
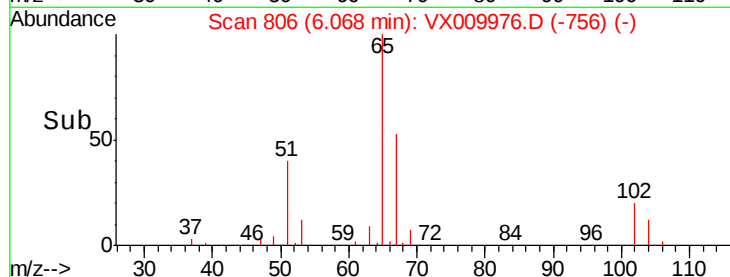
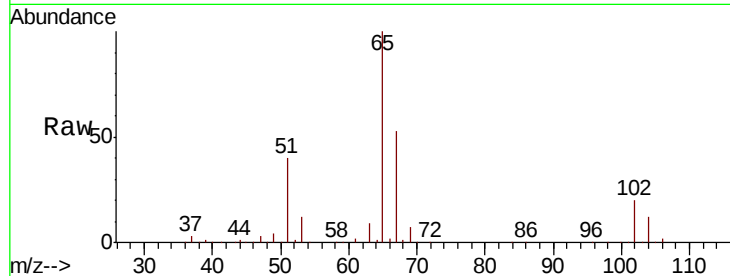




#33
 1,2-Dichloroethane-d4
 Concen: 49.232 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX009976.D
 Acq: 31 May 2019 11:14

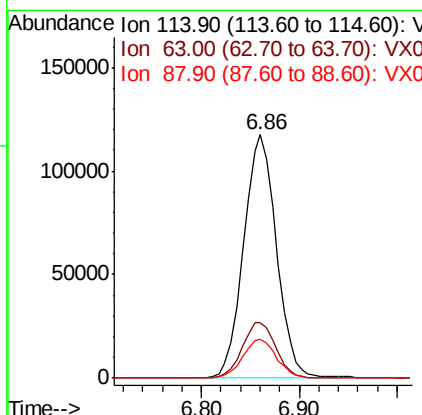
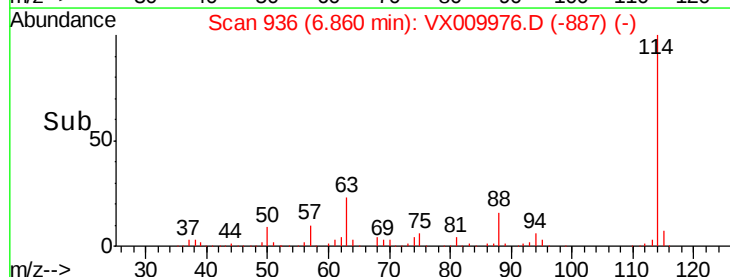
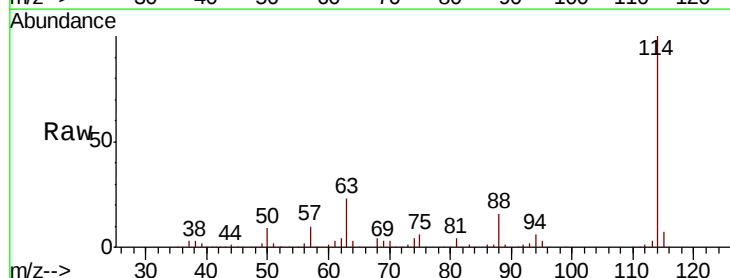
Instrument :
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 S32-TB-2019-6

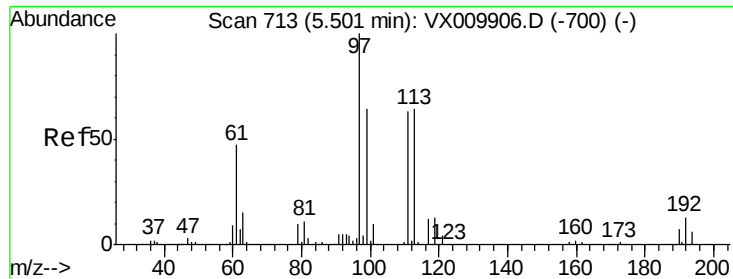
Tot Ion: 65 Resp: 118810
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009976.D
 Acq: 31 May 2019 11:14

Tgt Ion: 114 Resp: 273286
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 47.4
 88 16.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.280 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX009976.D

Acq: 31 May 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

S32-TB-2019-6

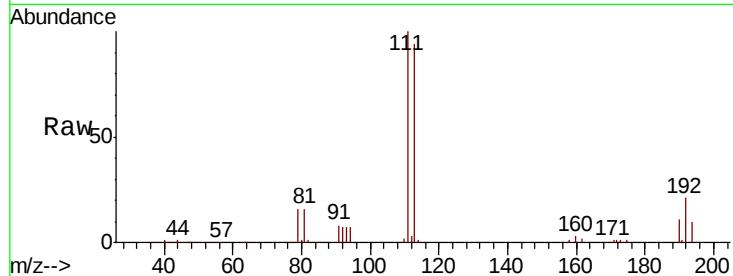
Tot Ion:113 Resp: 86389

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

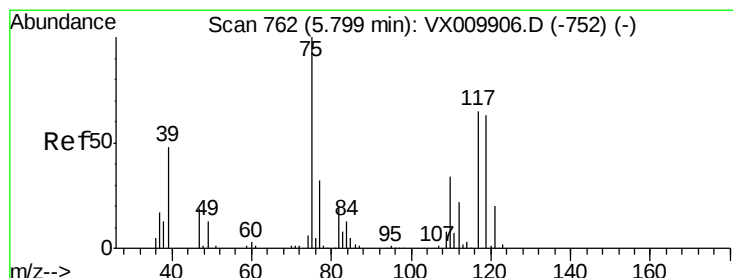
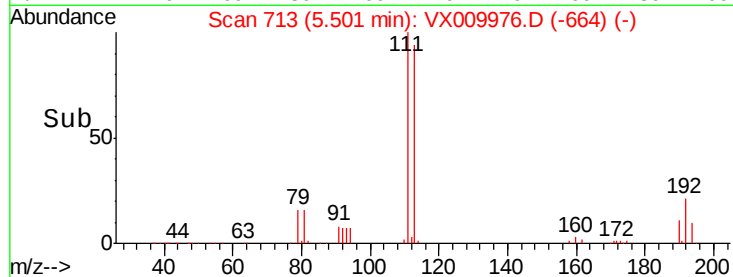
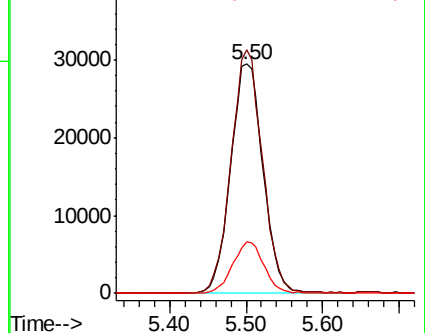
192 21.7 17.1 25.7



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: 5.035 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009976.D

Acq: 31 May 2019 11:14

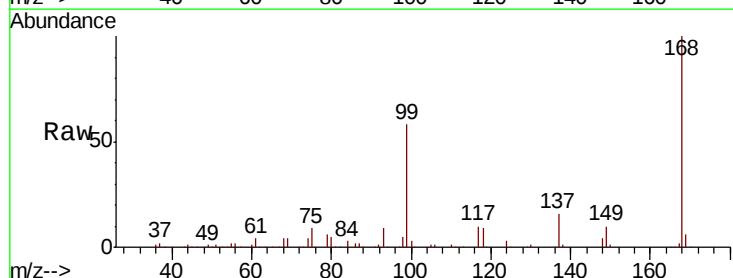
Tgt Ion: 75 Resp: 13961

Ion Ratio Lower Upper

75 100

110 9.3 16.7 50.1#

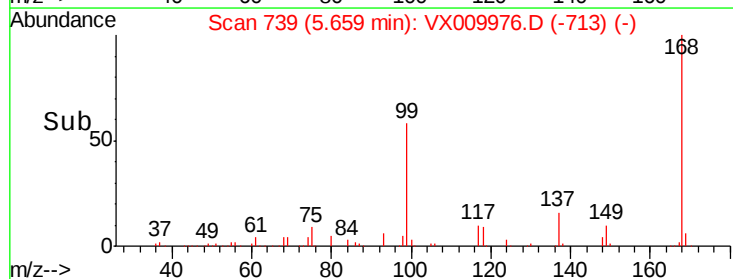
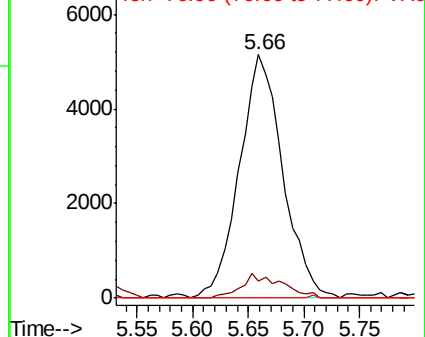
77 0.0 25.0 37.4#

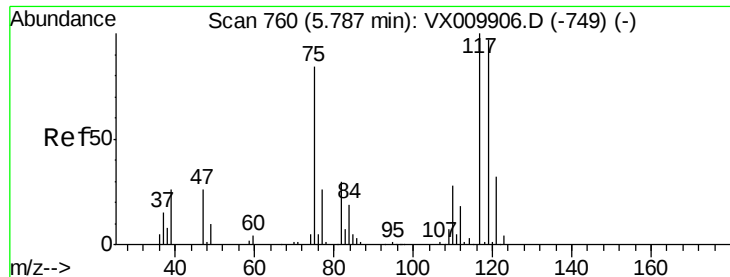


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.816 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009976.D

Acq: 31 May 2019 11:14

Instrument :

MSVOA_X

ClientSampleId :

S32-TB-2019-6

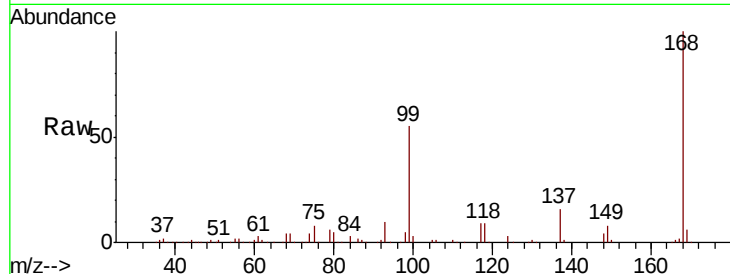
Tot Ion:117 Resp: 16332

Ion Ratio Lower Upper

117 100

119 5.4 77.3 115.9#

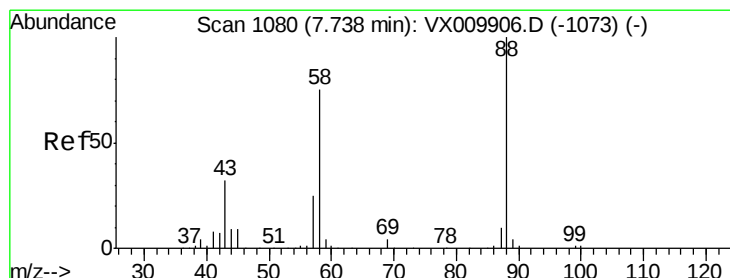
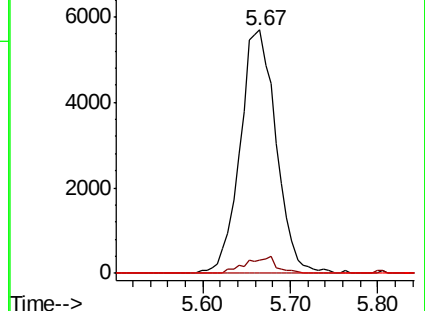
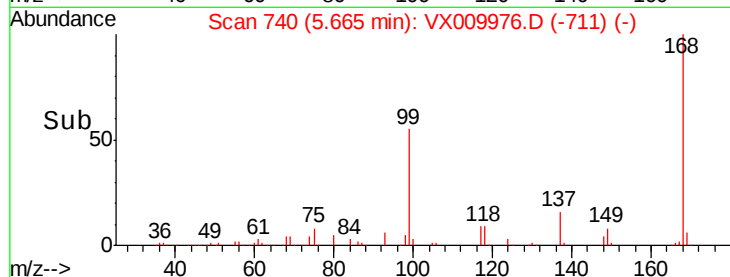
121 0.0 25.4 38.0#



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



#49

1,4-Dioxane

Concen: 0.348 ug/l

RT: 7.59 min Scan# 1055

Delta R.T. -0.15 min

Lab File: VX009976.D

Acq: 31 May 2019 11:14

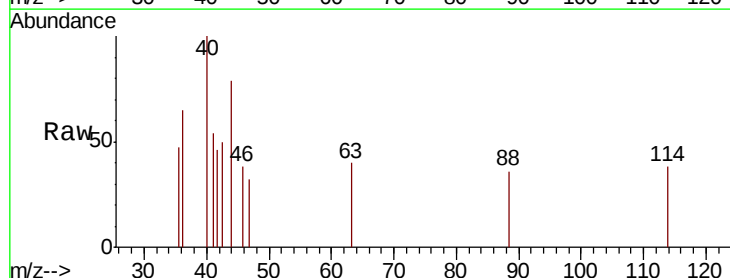
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 30.2 45.4#

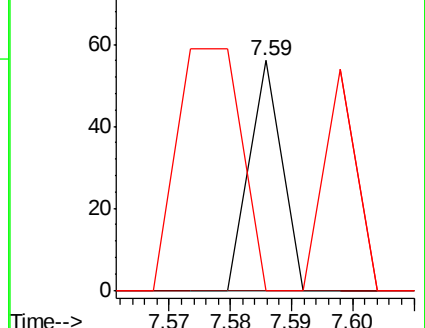
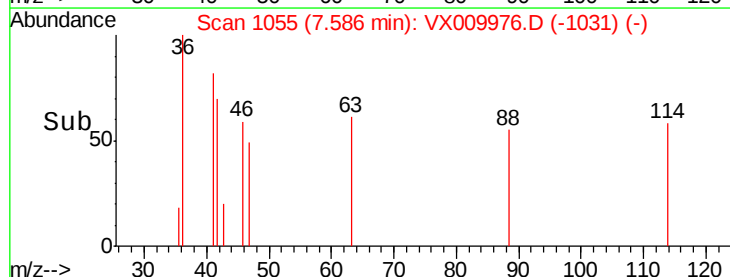
58 100.0 64.0 96.0#

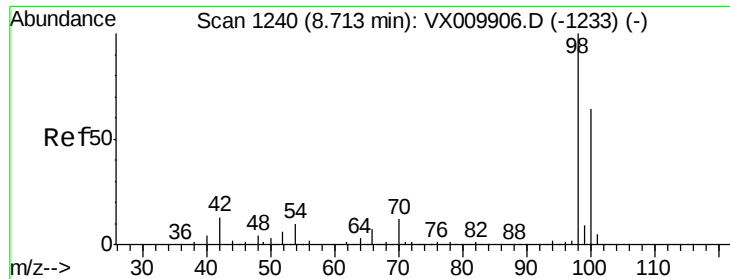


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.133 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009976.D

Acq: 31 May 2019 11:14

Instrument :

MSVOA_X

ClientSampled :

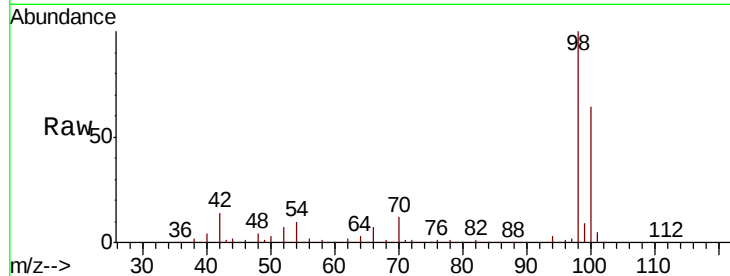
S32-TB-2019-6

Tot Ion: 98 Resp: 349780

Ion Ratio Lower Upper

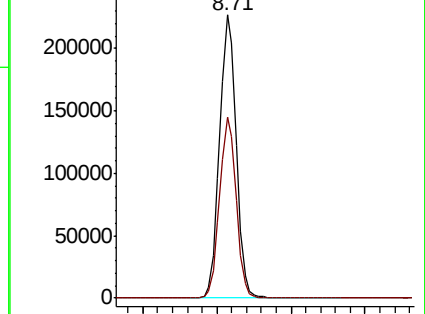
98 100

100 63.6 51.5 77.3

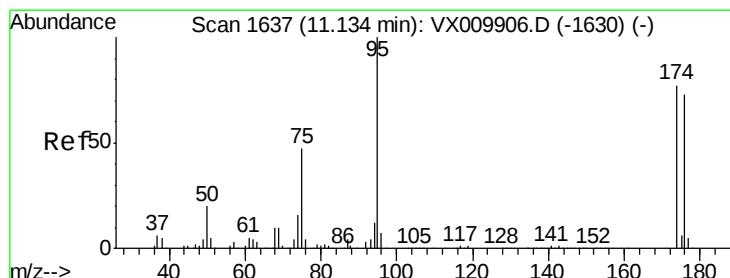
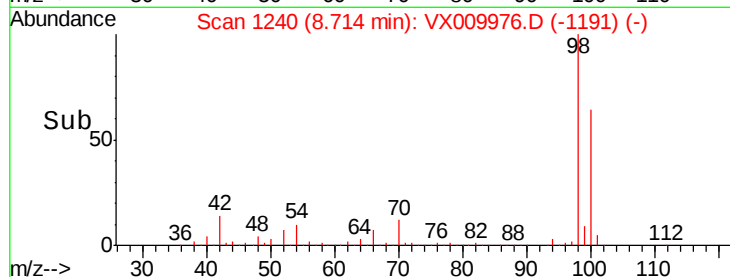


Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->



#62

4-Bromofluorobenzene

Concen: 47.055 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009976.D

Acq: 31 May 2019 11:14

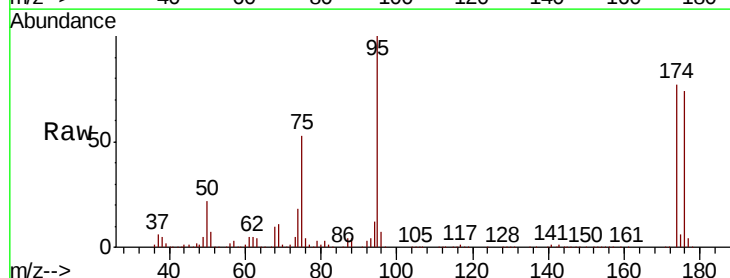
Tgt Ion: 95 Resp: 117922

Ion Ratio Lower Upper

95 100

174 81.6 0.0 160.4

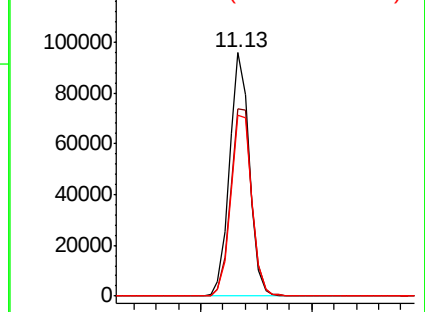
176 79.0 0.0 154.6



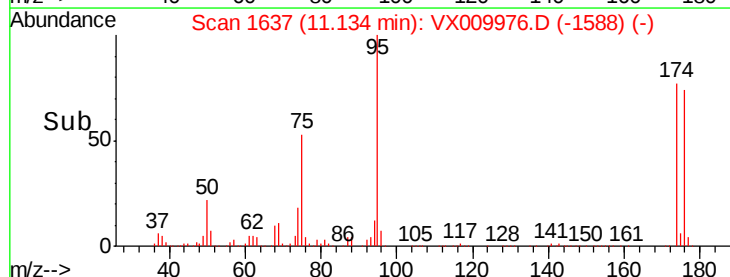
Abundance Ion 94.90 (94.60 to 95.60): VX0

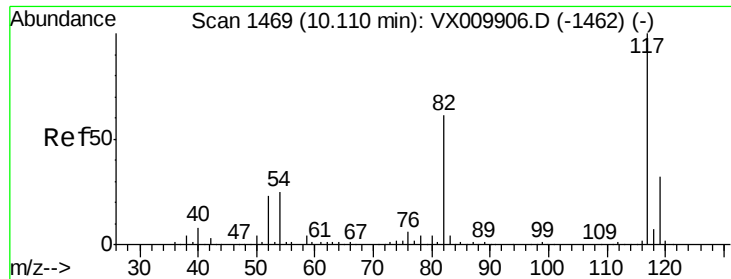
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

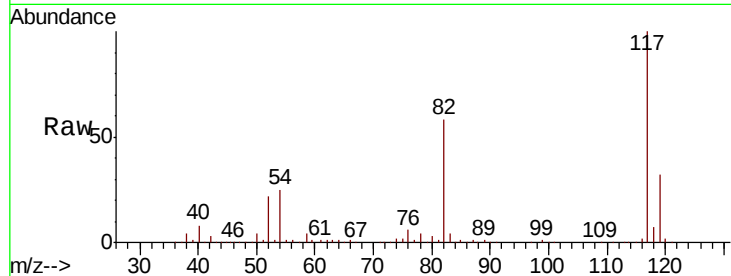




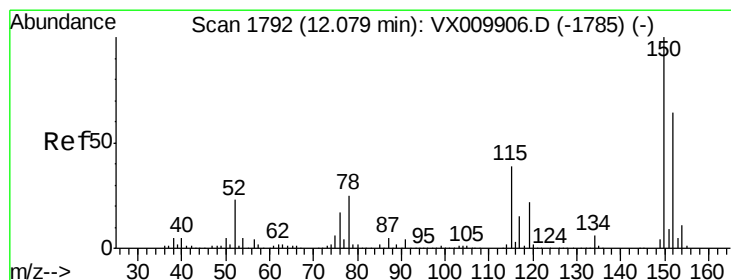
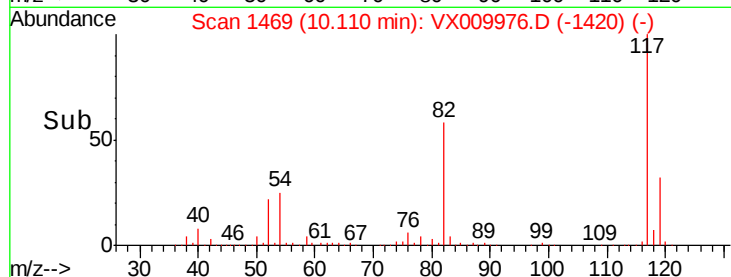
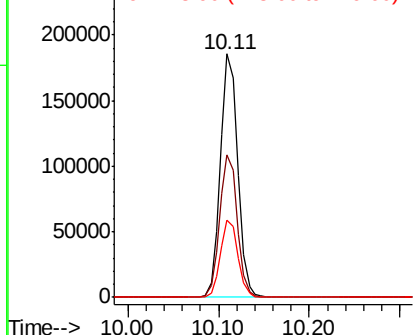
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009976.D
Acq: 31 May 2019 11:14

Instrument :
MSVOA_X
ClientSampleId :
S32-TB-2019-6

Tot Ion:117 Resp: 249788
Ion Ratio Lower Upper
117 100
82 58.4 49.2 73.8
119 31.5 25.2 37.8

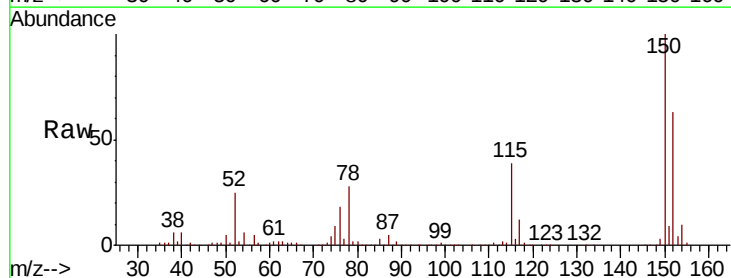


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

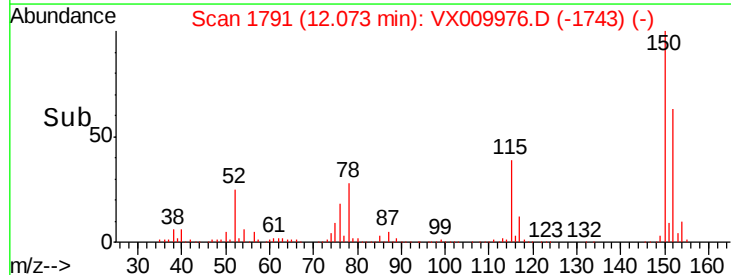
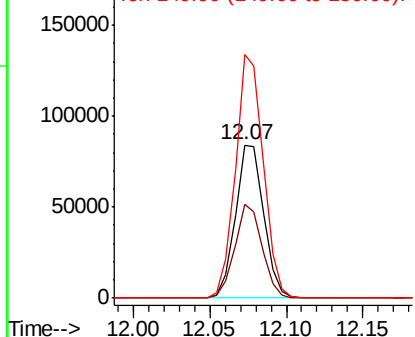


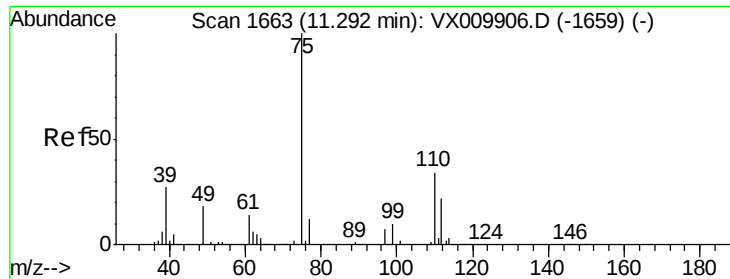
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX009976.D
Acq: 31 May 2019 11:14

Tgt Ion:152 Resp: 107437
Ion Ratio Lower Upper
152 100
115 59.6 41.4 124.2
150 157.1 0.0 345.2



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

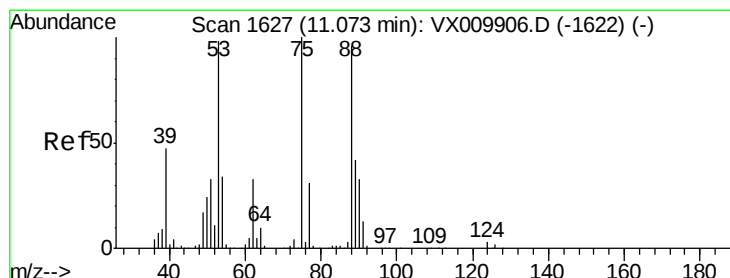
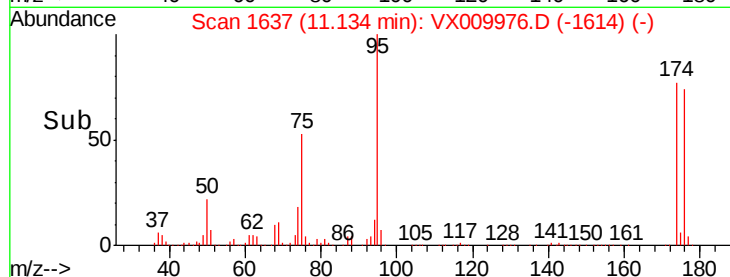
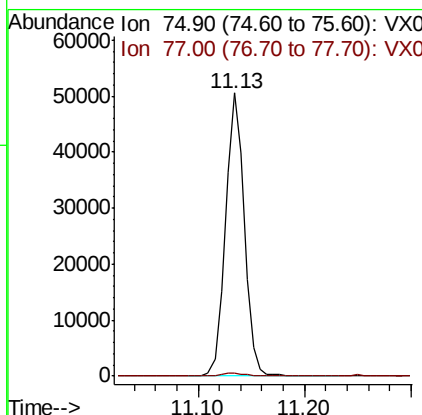
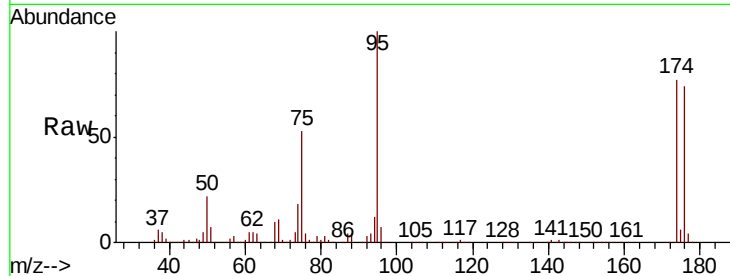




#76
 1,2,3-Trichloropropane
 Concen: 24.348 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009976.D
 Acq: 31 May 2019 11:14

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-TB-2019-6

Tot Ion: 75 Resp: 62554
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.241 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009976.D
 Acq: 31 May 2019 11:14

Tgt Ion: 75 Resp: 62554
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.8 119.6#
 89 0.0 34.2 51.4#

