

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\
 Data File : VX011030.D
 Acq On : 22 Jul 2019 15:03
 Operator : JC/SP
 Sample : K3921-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-TB1

Quant Time: Jul 23 03:44:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	230368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	370040	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	348072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	165248	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	126016	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
35) Dibromofluoromethane	5.50	113	114350	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
50) Toluene-d8	8.71	98	442721	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
62) 4-Bromofluorobenzene	11.13	95	163659	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	

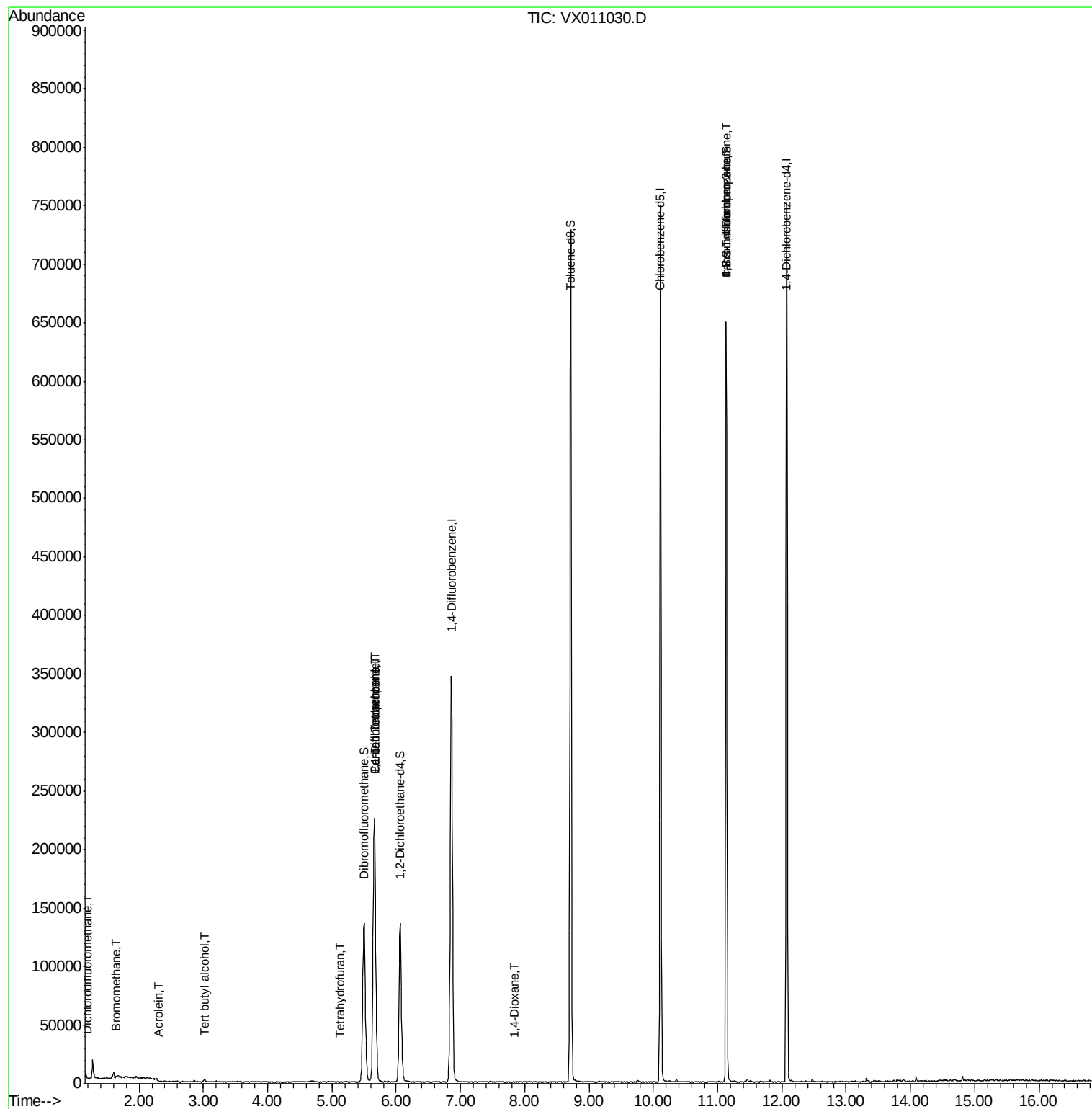
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	27	0.557	ug/l #	43
5) Bromomethane	1.65	94	553	0.454	ug/l	98
11) Tert butyl alcohol	3.03	59	1235	2.164	ug/l #	91
13) Acrolein	2.31	56	132	0.400	ug/l #	58
29) Tetrahydrofuran	5.12	42	230	0.229	ug/l #	29
36) 1,1-Dichloropropene	5.66	75	15423	5.074	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21054	6.647	ug/l #	17
49) 1,4-Dioxane	7.84	88	19	0.272	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	81371	27.288	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	81371	67.611	ug/l #	11

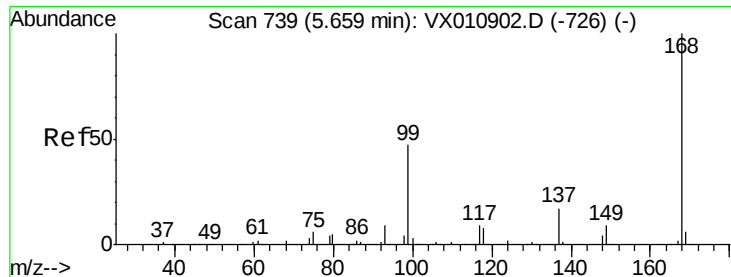
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SU19-TB1

Quant Time: Jul 23 03:44:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 20 04:05:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011030.D

Acq: 22 Jul 2019 15:03

Instrument :

MSVOA_X

ClientSampled :

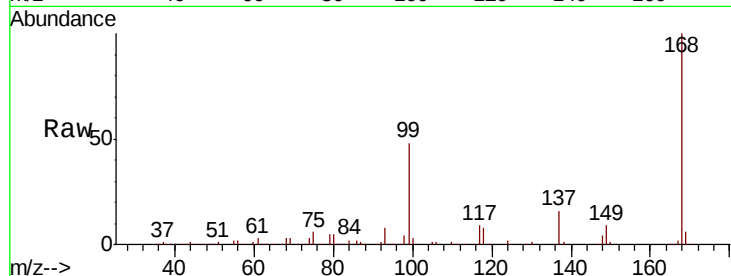
SU19-TB1

Tot Ion:168 Resp: 230368

Ion Ratio Lower Upper

168 100

99 48.1 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

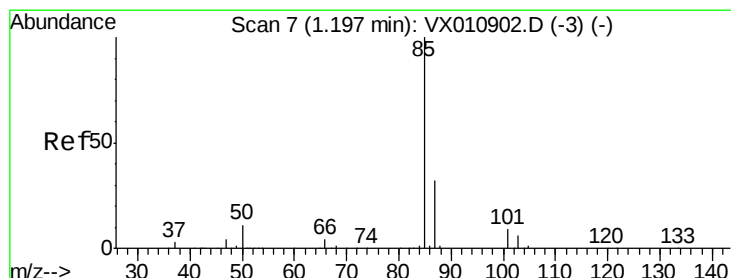
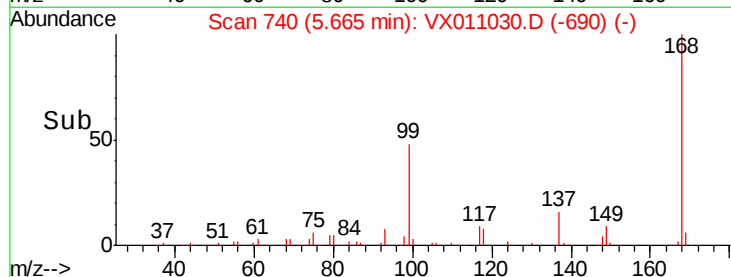
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.557 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX011030.D

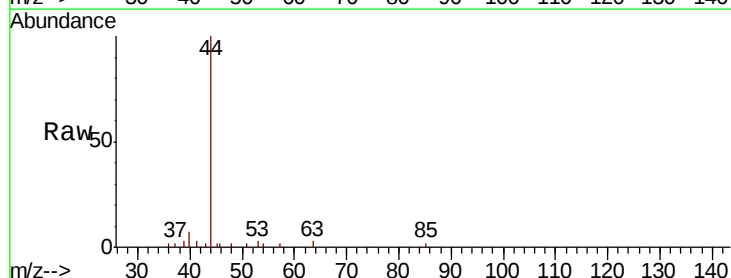
Acq: 22 Jul 2019 15:03

Tgt Ion: 85 Resp: 27

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80

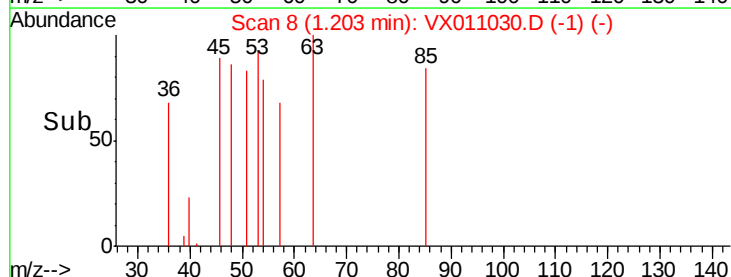
60

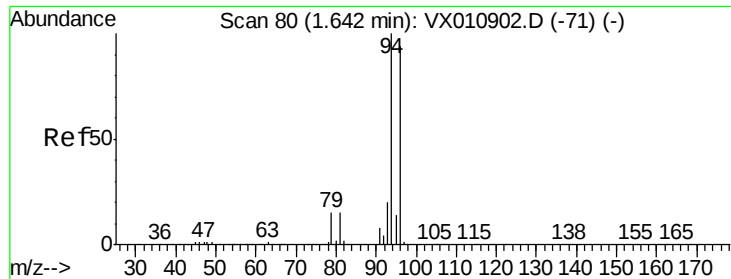
40

20

0

Time--> 1.18 1.19 1.20 1.21 1.22





#5

Bromomethane

Concen: 0.454 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX011030.D

Acq: 22 Jul 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

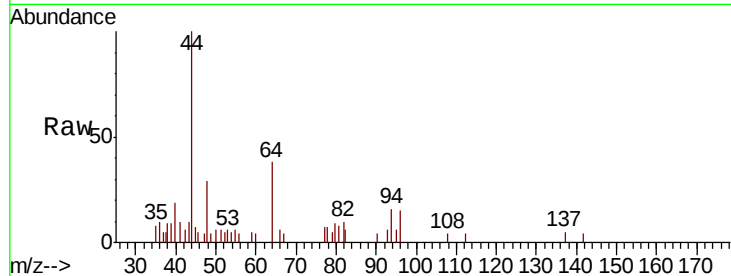
SU19-TB1

Tot Ion: 94 Resp: 553

Ion Ratio Lower Upper

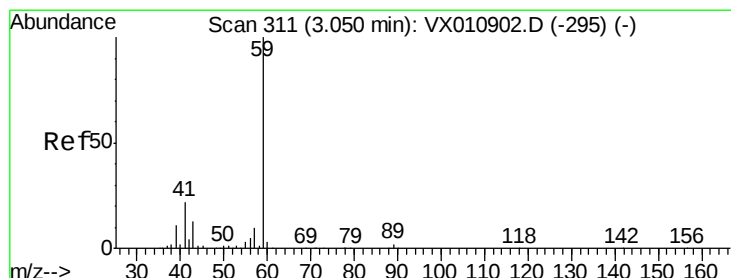
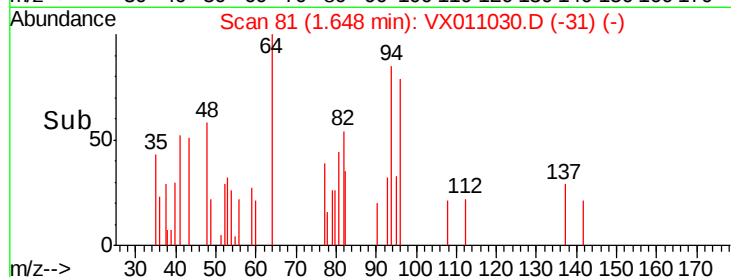
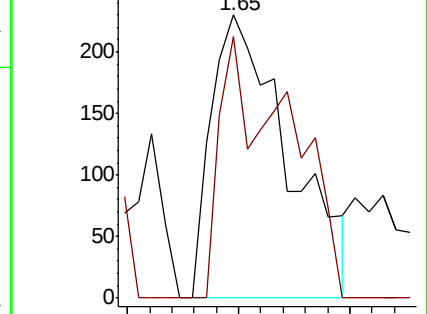
94 100

96 92.6 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 2.164 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX011030.D

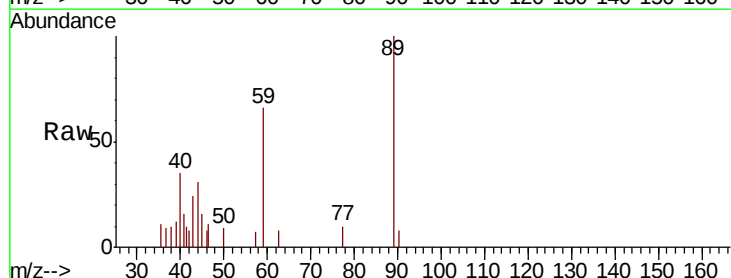
Acq: 22 Jul 2019 15:03

Tgt Ion: 59 Resp: 1235

Ion Ratio Lower Upper

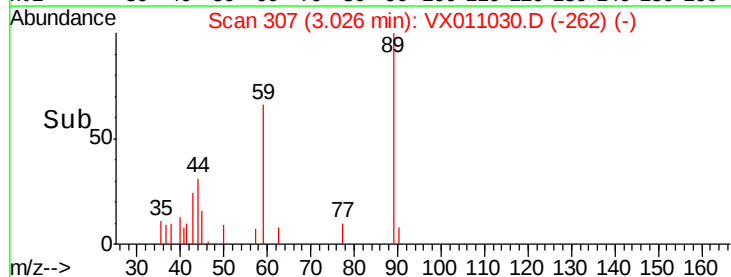
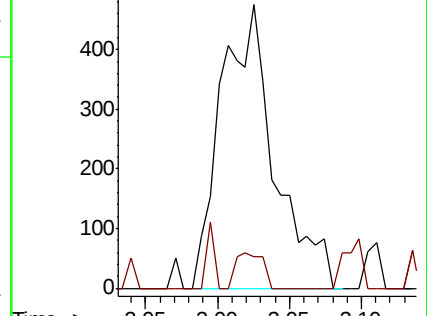
59 100

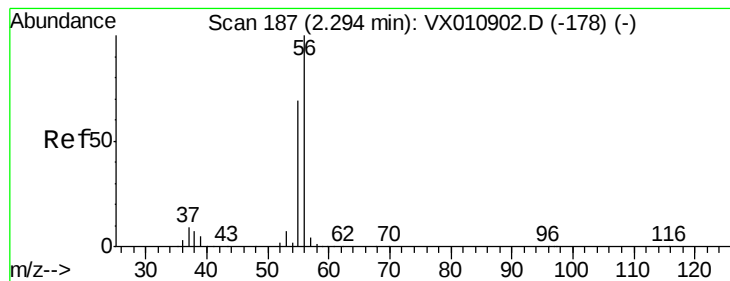
57 6.4 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.400 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX011030.D

Acq: 22 Jul 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

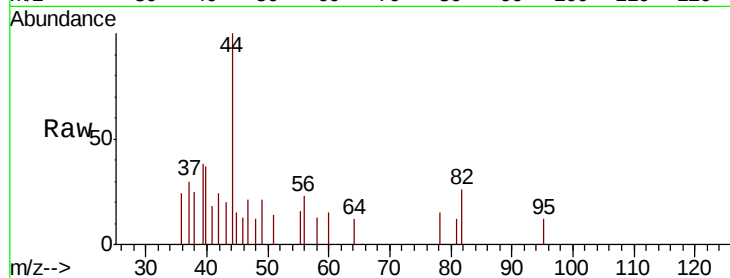
SU19-TB1

Tot Ion: 56 Resp: 132

Ion Ratio Lower Upper

56 100

55 104.5 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

150

100

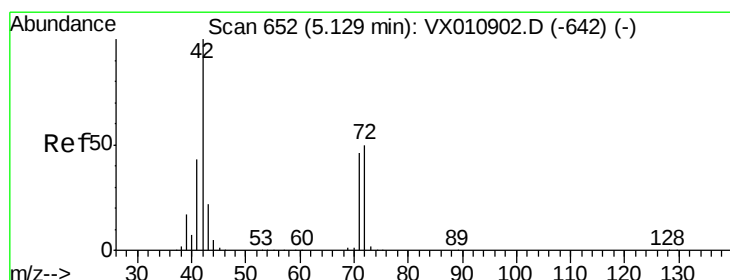
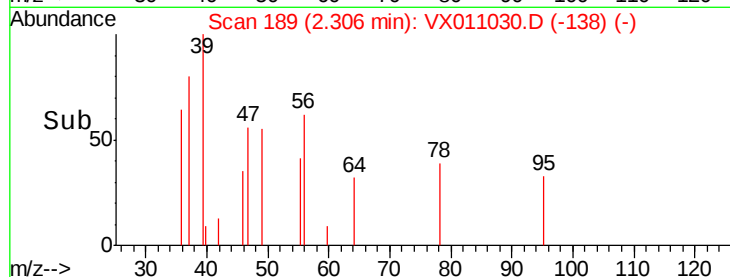
50

0

2.28 2.30 2.32

2.31

Time-->



#29

Tetrahydrofuran

Concen: 0.229 ug/l

RT: 5.12 min Scan# 650

Delta R.T. -0.01 min

Lab File: VX011030.D

Acq: 22 Jul 2019 15:03

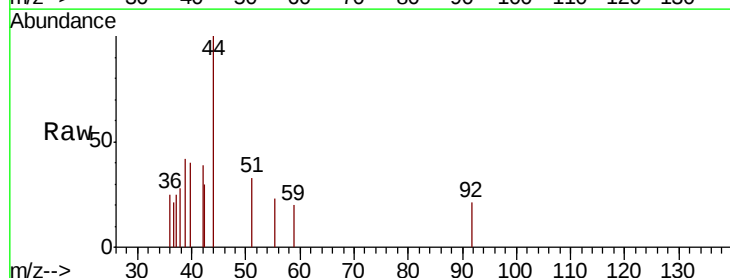
Tgt Ion: 42 Resp: 230

Ion Ratio Lower Upper

42 100

72 0.0 39.8 59.8#

71 0.0 37.0 55.4#



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

250

200

150

100

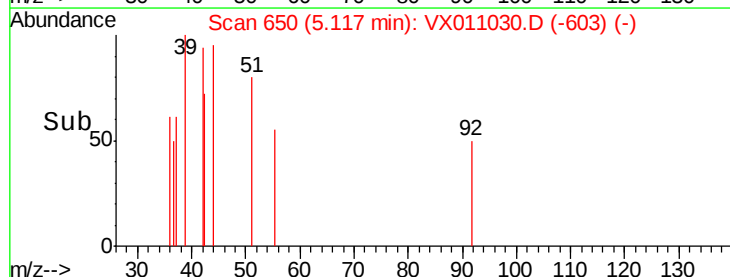
50

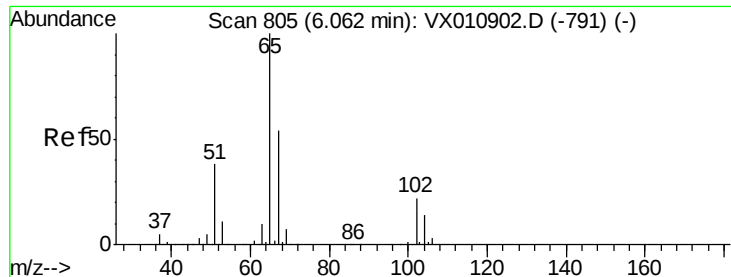
0

5.08 5.10 5.12 5.14

5.12

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.419 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011030.D

Acq: 22 Jul 2019 15:03

Instrument :

MSVOA_X

ClientSampled :

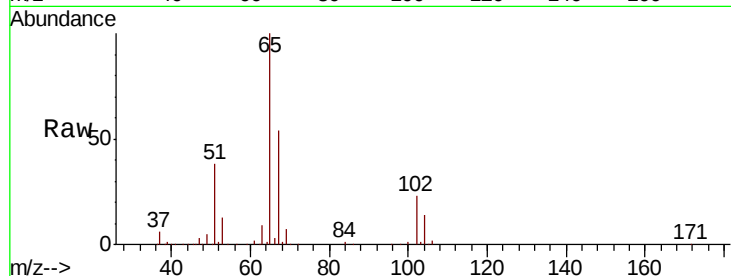
SU19-TB1

Tot Ion: 65 Resp: 126016

Ion Ratio Lower Upper

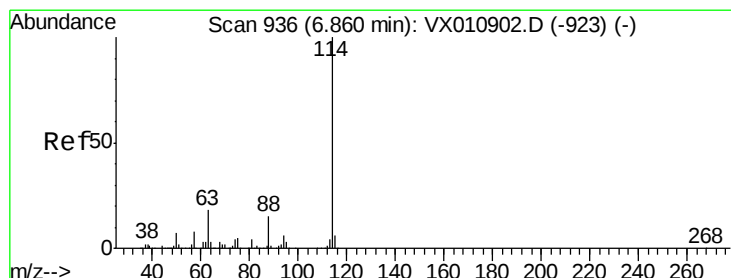
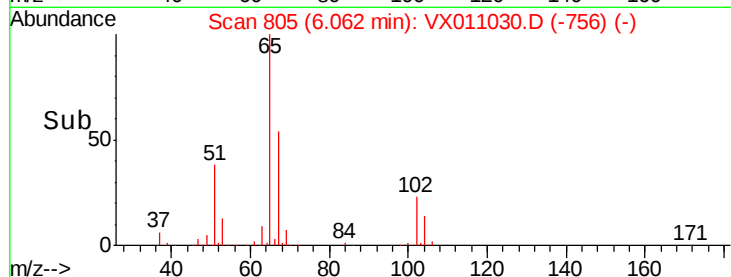
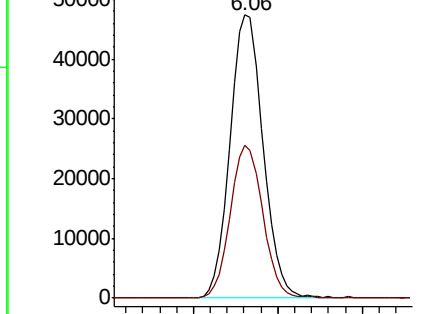
65 100

67 53.0 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX011030.D

Acq: 22 Jul 2019 15:03

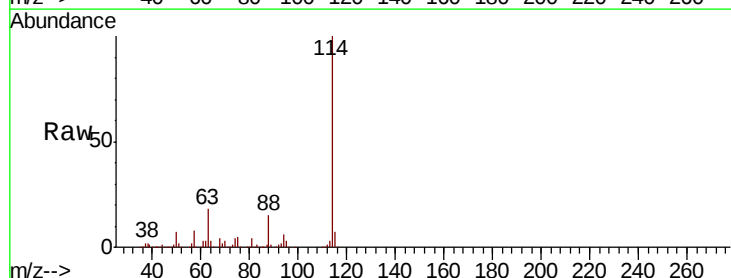
Tgt Ion: 114 Resp: 370040

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.6

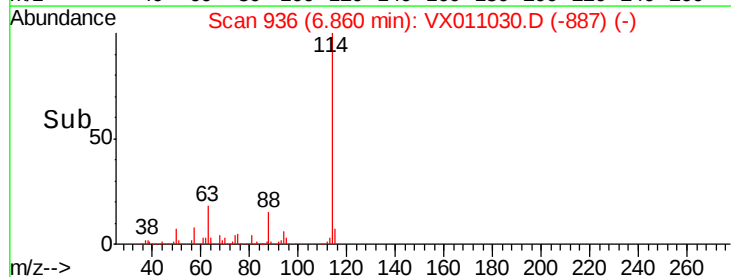
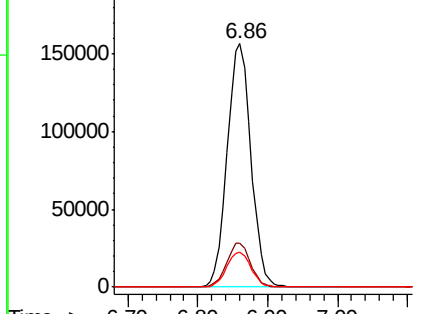
88 14.5 0.0 29.8

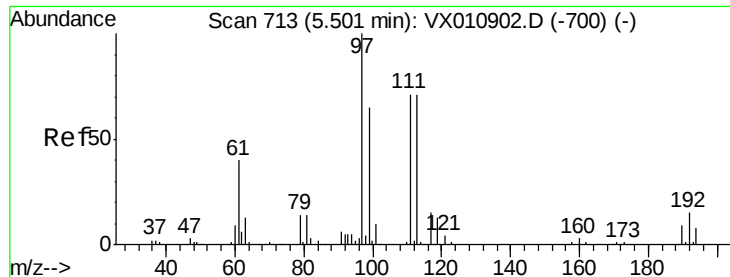


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.686 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX011030.D

Acq: 22 Jul 2019 15:03

Instrument :

MSVOA_X

ClientSampled :

SU19-TB1

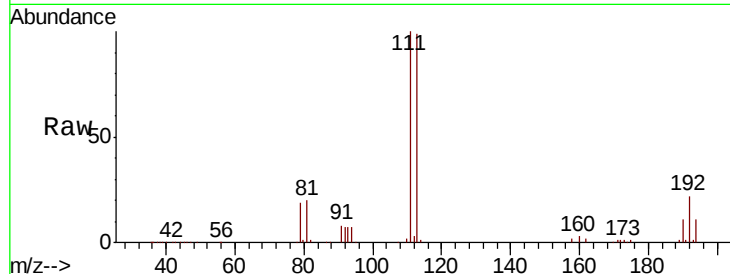
Tot Ion:113 Resp: 114350

Ion Ratio Lower Upper

113 100

111 101.7 82.3 123.5

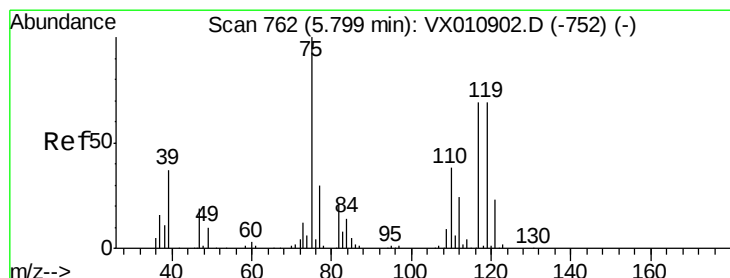
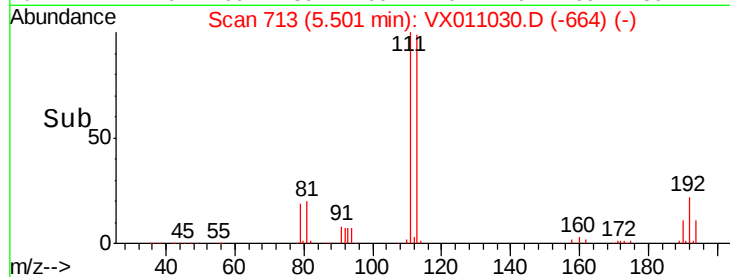
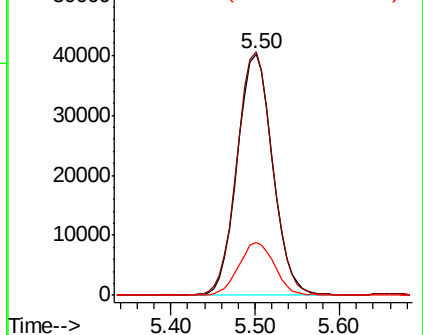
192 22.3 17.4 26.2



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: 5.074 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX011030.D

Acq: 22 Jul 2019 15:03

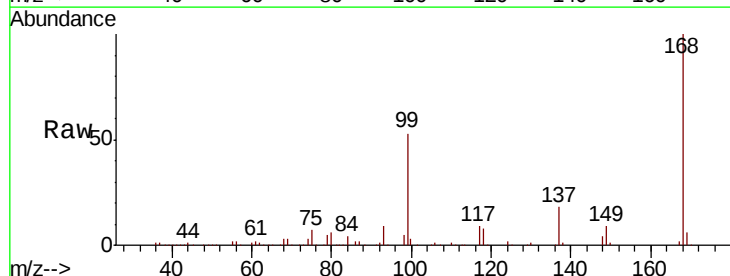
Tgt Ion: 75 Resp: 15423

Ion Ratio Lower Upper

75 100

110 11.6 19.9 59.7#

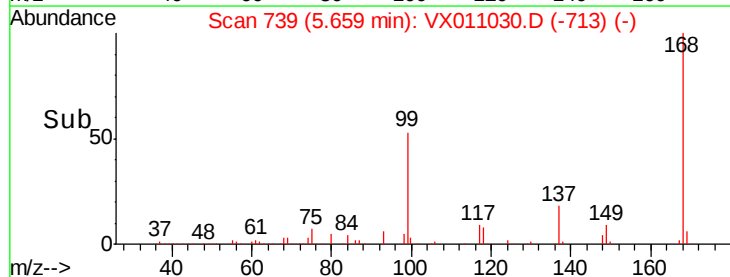
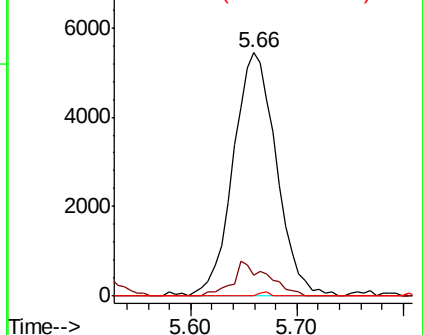
77 0.0 25.0 37.4#

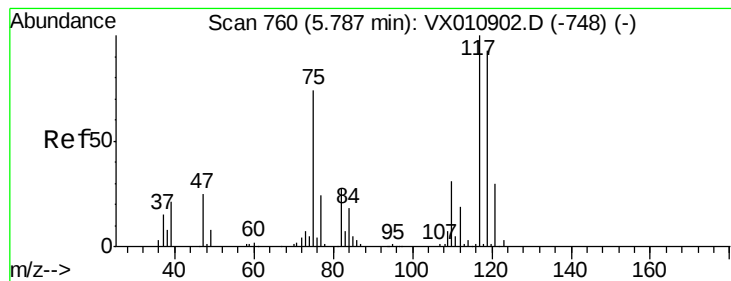


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.647 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX011030.D

Acq: 22 Jul 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

SU19-TB1

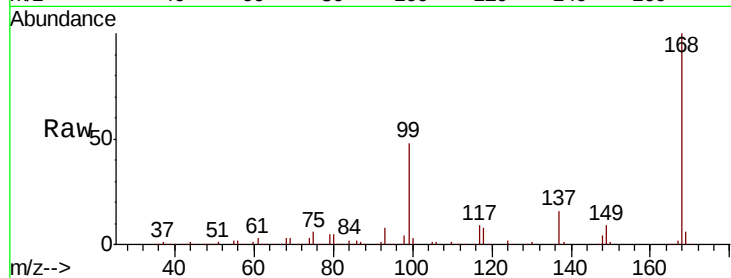
Tot Ion:117 Resp: 21054

Ion Ratio Lower Upper

117 100

119 4.3 74.2 111.2#

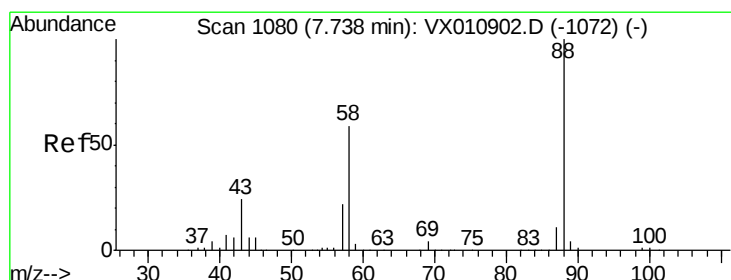
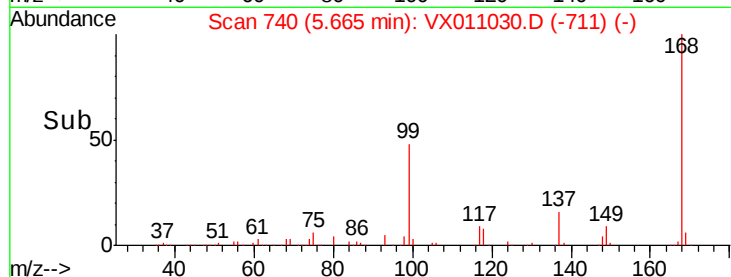
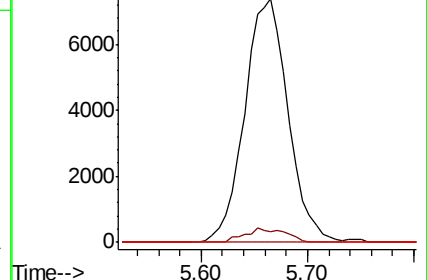
121 0.0 24.2 36.2#



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: 0.272 ug/l

RT: 7.84 min Scan# 1096

Delta R.T. 0.10 min

Lab File: VX011030.D

Acq: 22 Jul 2019 15:03

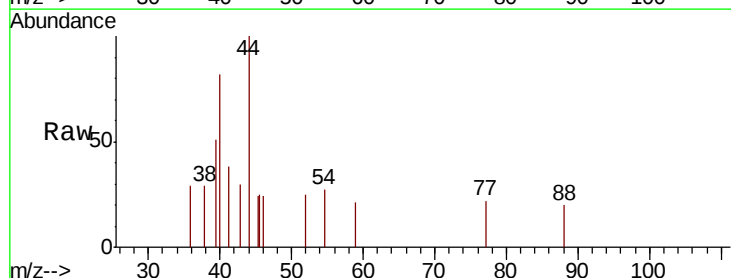
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 452.6 22.9 34.3#

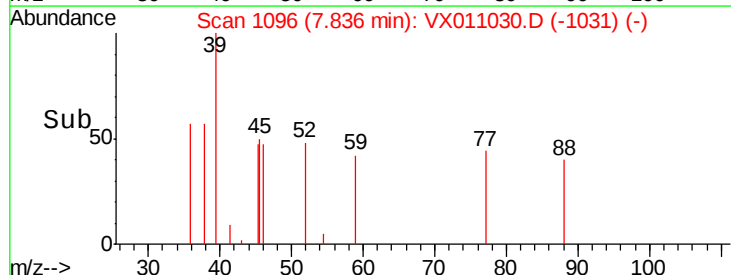
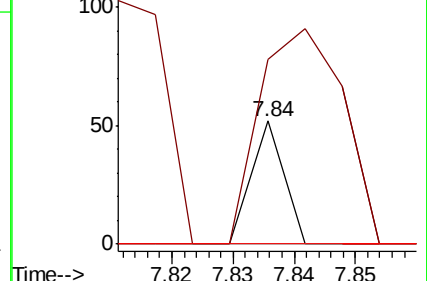
58 0.0 49.8 74.8#

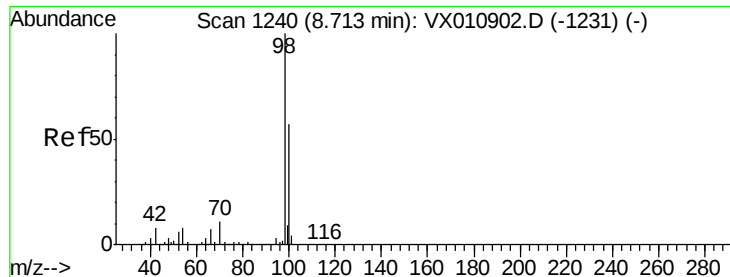


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.257 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011030.D

Acq: 22 Jul 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

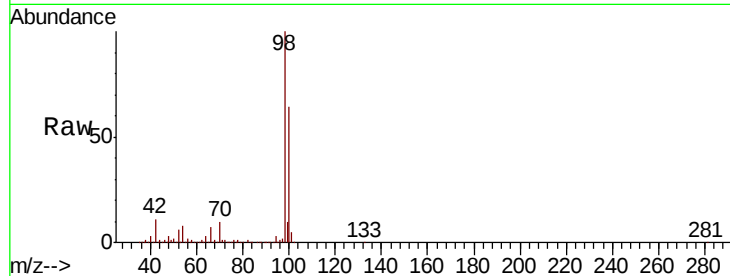
SU19-TB1

Tot Ion: 98 Resp: 442721

Ion Ratio Lower Upper

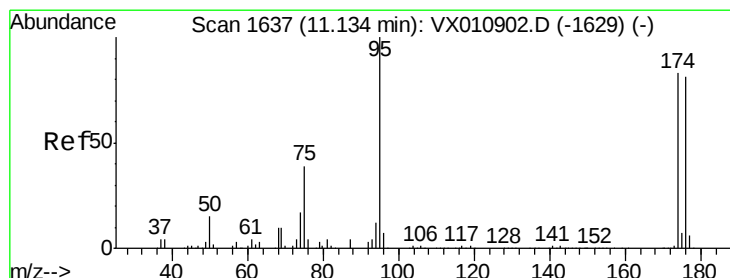
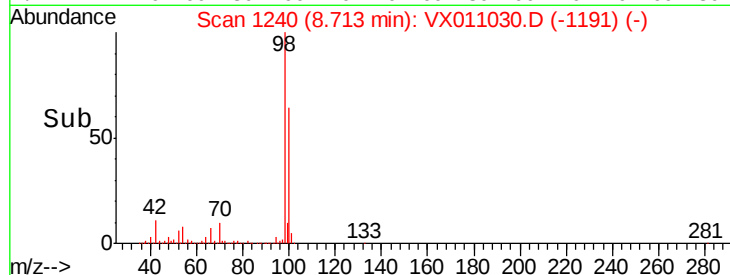
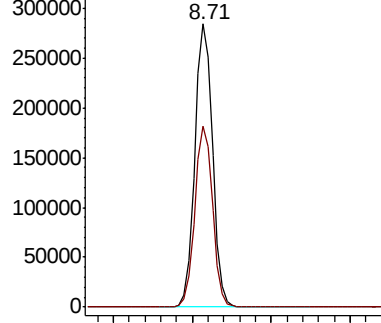
98 100

100 64.0 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 50.543 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011030.D

Acq: 22 Jul 2019 15:03

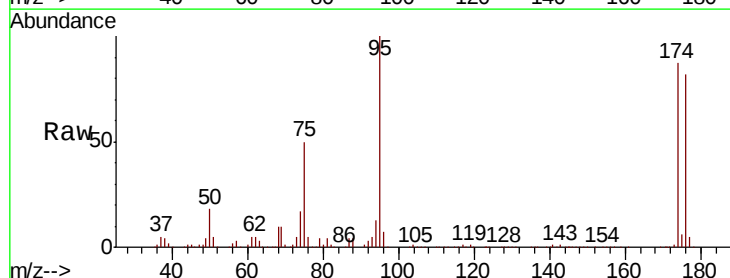
Tgt Ion: 95 Resp: 163659

Ion Ratio Lower Upper

95 100

174 90.3 0.0 180.6

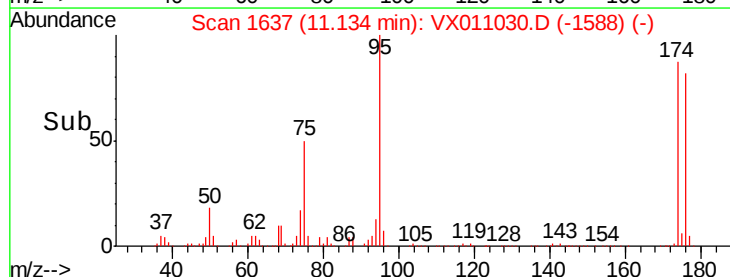
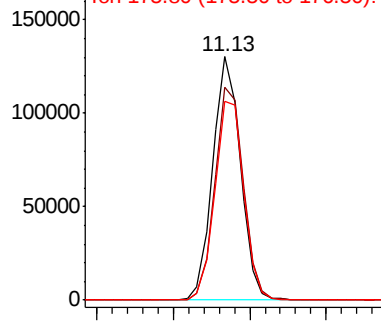
176 85.9 0.0 173.8

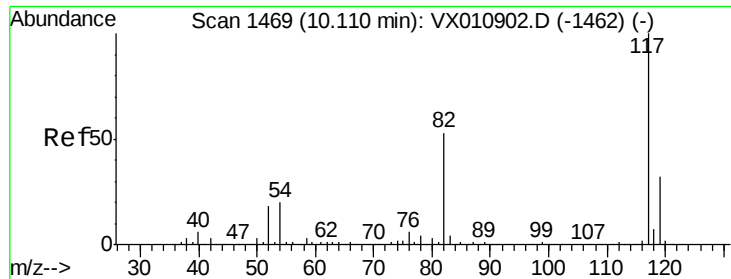


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

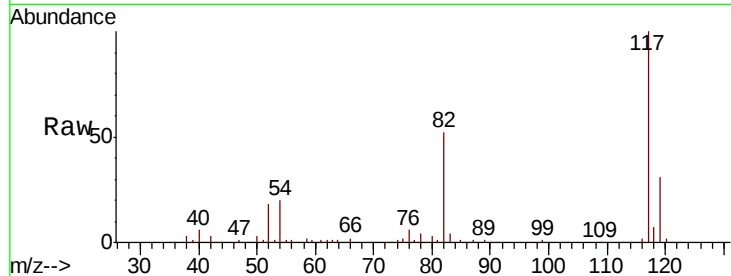




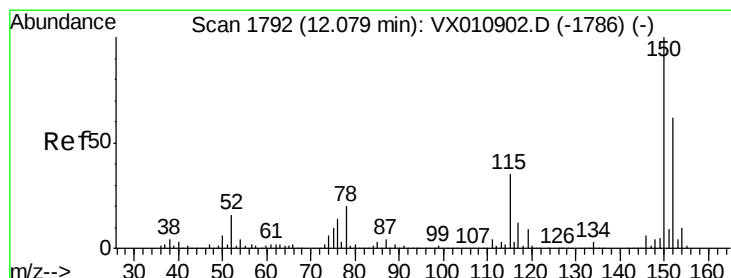
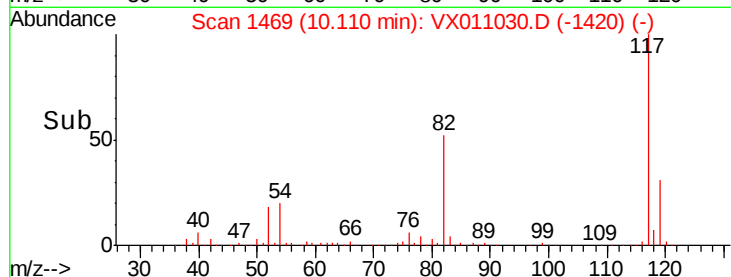
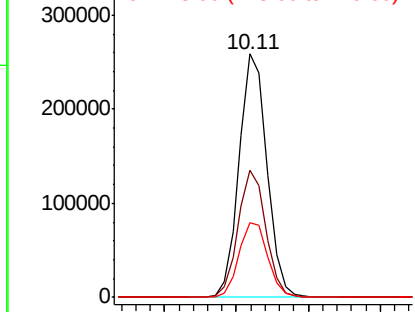
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011030.D
Acq: 22 Jul 2019 15:03

Instrument :
MSVOA_X
ClientSampleId :
SU19-TB1

Tot Ion:117 Resp: 348072
Ion Ratio Lower Upper
117 100
82 52.4 42.6 63.8
119 30.6 25.9 38.9

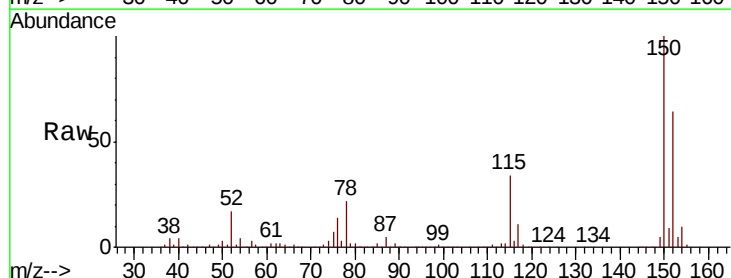


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

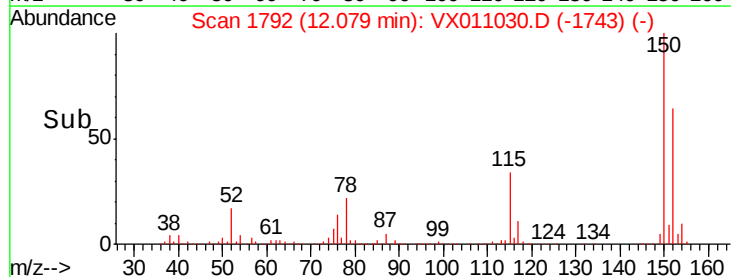
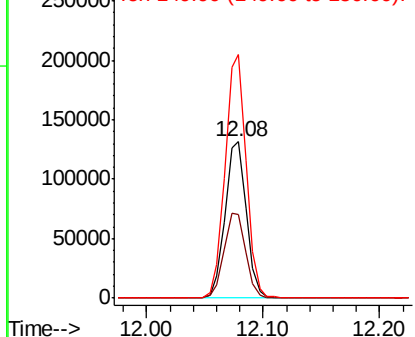


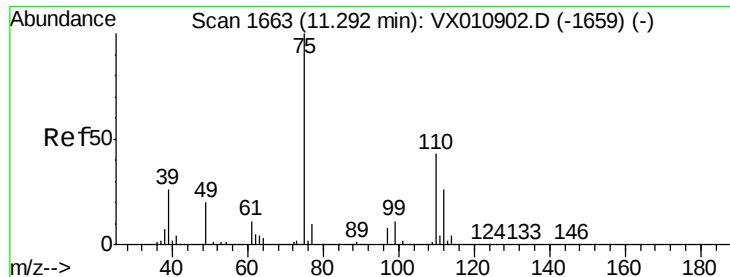
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011030.D
Acq: 22 Jul 2019 15:03

Tgt Ion:152 Resp: 165248
Ion Ratio Lower Upper
152 100
115 55.5 39.7 119.1
150 155.2 0.0 345.6



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: 27.288 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011030.D

Acq: 22 Jul 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

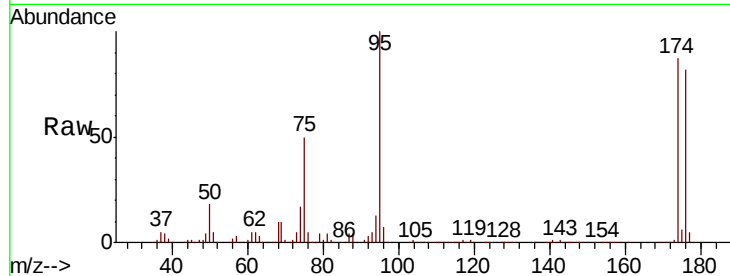
SU19-TB1

Tot Ion: 75 Resp: 81371

Ion Ratio Lower Upper

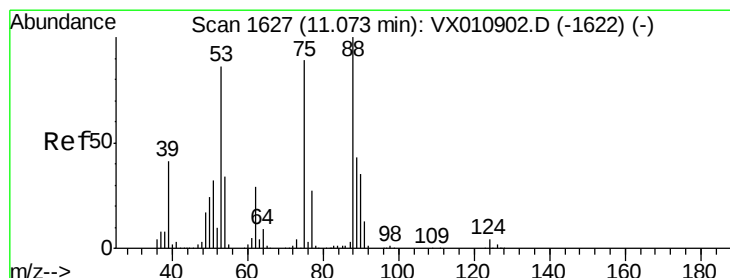
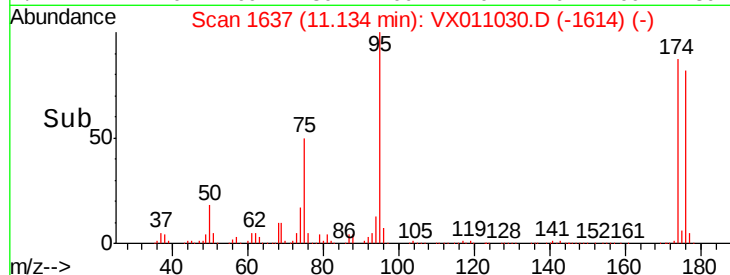
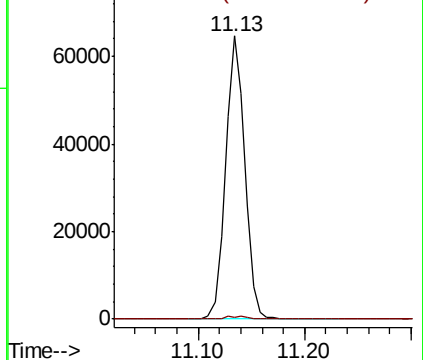
75 100

77 1.3 21.3 64.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 67.611 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011030.D

Acq: 22 Jul 2019 15:03

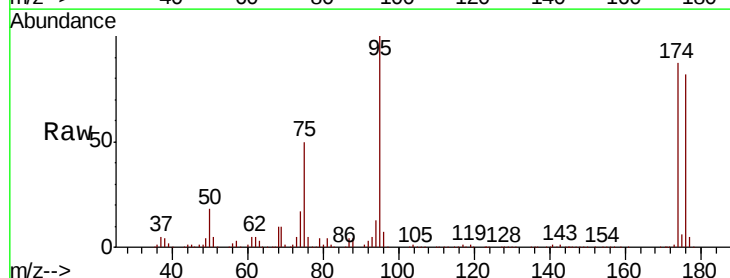
Tgt Ion: 75 Resp: 81371

Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

89 0.0 38.5 57.7#



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

