

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072919\
 Data File : VX011138.D
 Acq On : 29 Jul 2019 12:18
 Operator : JC/SP
 Sample : K4018-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-TB3

Quant Time: Jul 30 05:04:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	196421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	309687	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	282107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	121917	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	106254	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
35) Dibromofluoromethane	5.50	113	98484	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
50) Toluene-d8	8.71	98	368127	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	11.13	95	123551	45.59	ug/l	0.00
Spiked Amount			Recovery	=	91.18%	

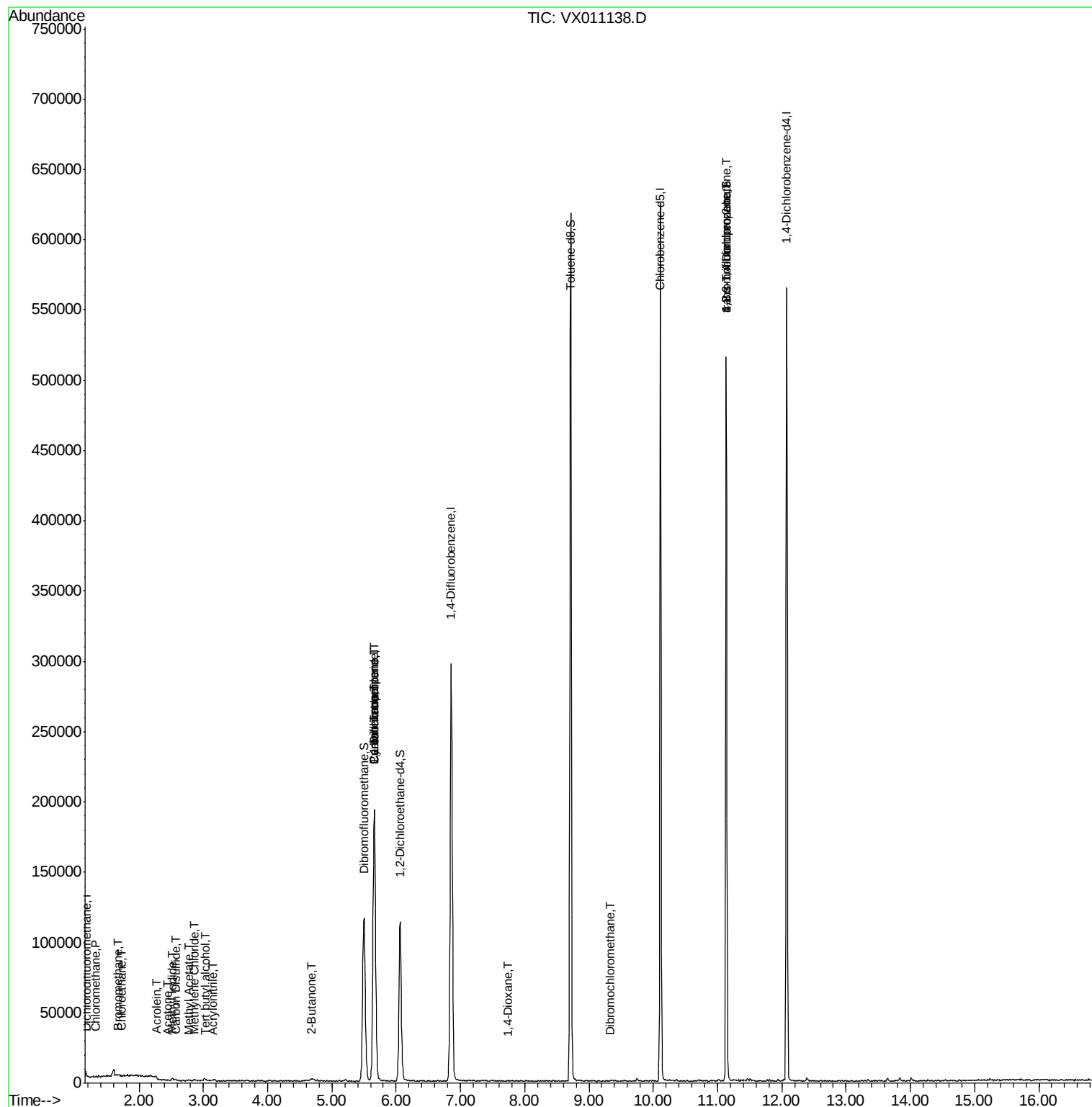
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	129	0.607	ug/l #	43
3) Chloromethane	1.32	50	561	0.311	ug/l	93
5) Bromomethane	1.66	94	657	0.633	ug/l #	48
6) Chloroethane	1.73	64	428	0.366	ug/l #	41
10) Methyl Iodide	2.51	142	1300	0.556	ug/l	97
11) Tert butyl alcohol	3.03	59	1068	2.195	ug/l #	89
13) Acrolein	2.28	56	162	0.576	ug/l	93
15) Acrylonitrile	3.14	53	378	0.384	ug/l #	77
16) Acetone	2.44	43	483	0.512	ug/l	99
17) Carbon Disulfide	2.57	76	1262	0.281	ug/l #	71
18) Methyl Acetate	2.77	43	503	0.234	ug/l #	77
20) Methylene Chloride	2.85	84	404	0.202	ug/l #	82
25) 2-Butanone	4.68	43	283	0.209	ug/l #	76
31) Cyclohexane	5.65	56	3738	1.317	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13422	5.276	ug/l #	49
38) Carbon Tetrachloride	5.67	117	17735	6.691	ug/l #	18
49) 1,4-Dioxane	7.74	88	20	0.343	ug/l #	1
60) Dibromochloromethane	9.33	129	51	2.548	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	61896	28.134	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	61896	69.585	ug/l #	11

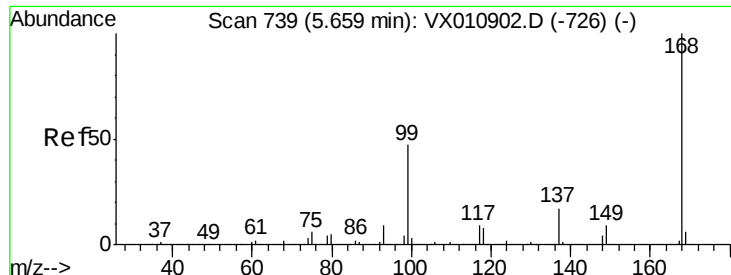
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 30 05:04:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX011138.D

Acq: 29 Jul 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

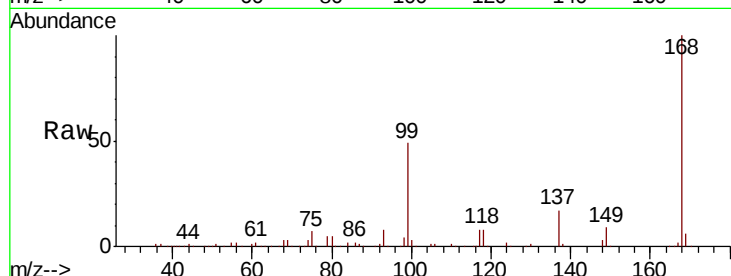
SU19-TB3

Tot Ion:168 Resp: 196421

Ion Ratio Lower Upper

168 100

99 49.1 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

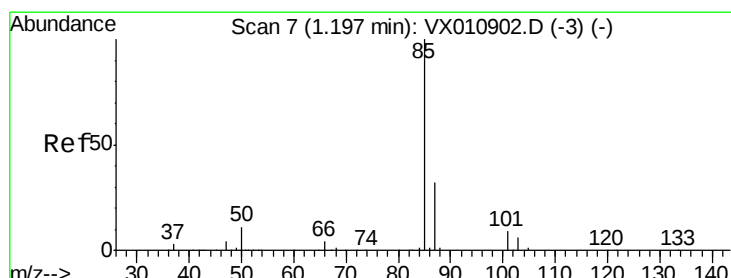
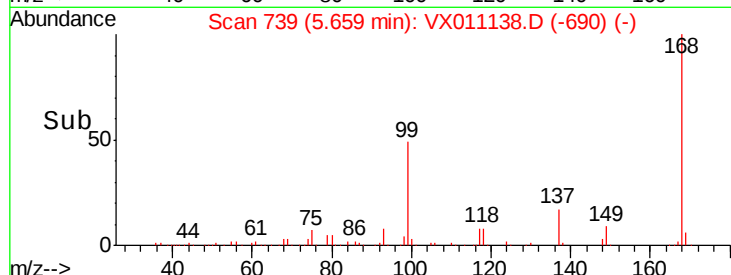
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.607 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.01 min

Lab File: VX011138.D

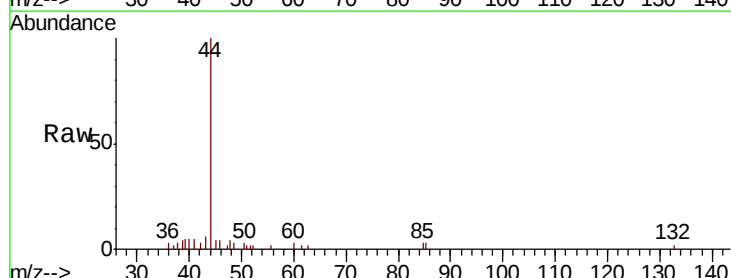
Acq: 29 Jul 2019 12:18

Tgt Ion: 85 Resp: 129

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

1.19

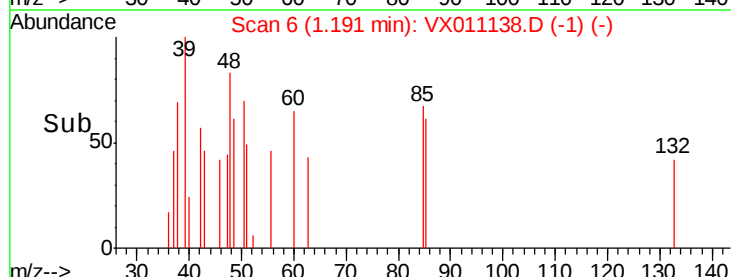
150

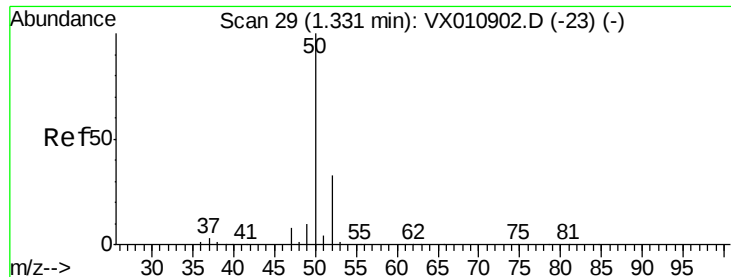
100

50

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: 0.311 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011138.D

Acq: 29 Jul 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

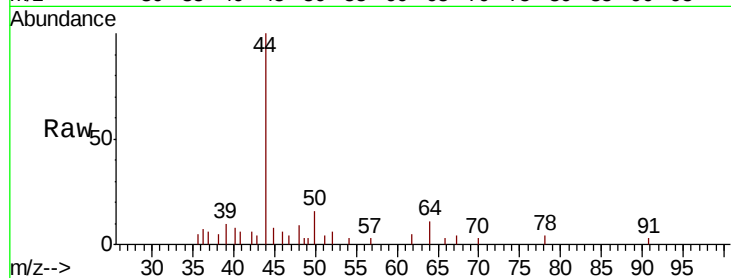
SU19-TB3

Tot Ion: 50 Resp: 561

Ion Ratio Lower Upper

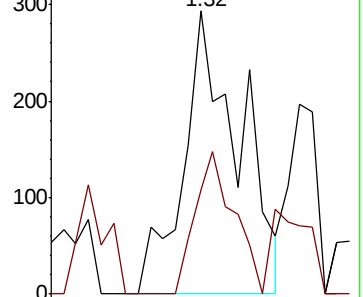
50 100

52 36.9 26.4 39.6

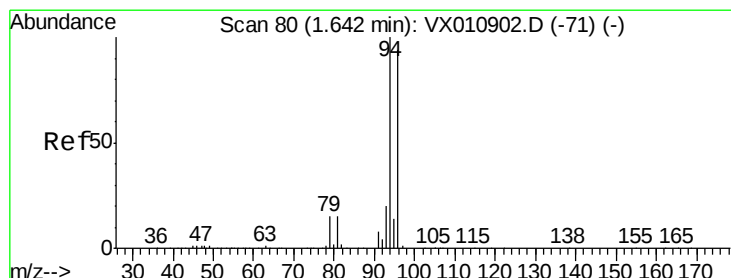
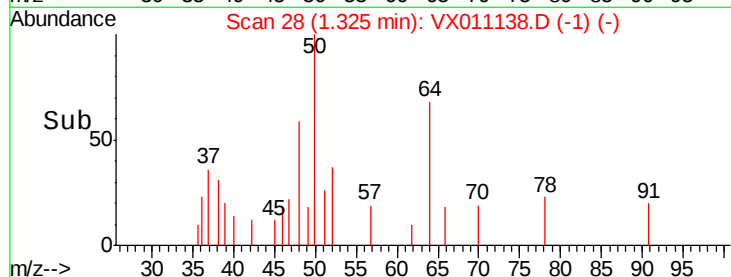


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#5

Bromomethane

Concen: 0.633 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX011138.D

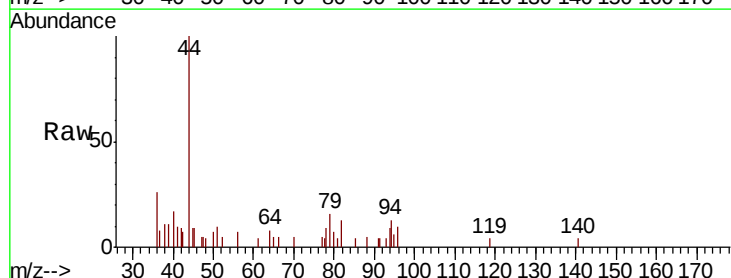
Acq: 29 Jul 2019 12:18

Tgt Ion: 94 Resp: 657

Ion Ratio Lower Upper

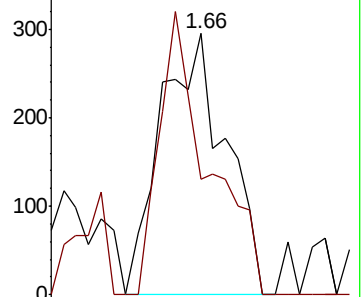
94 100

96 44.1 75.6 113.4#

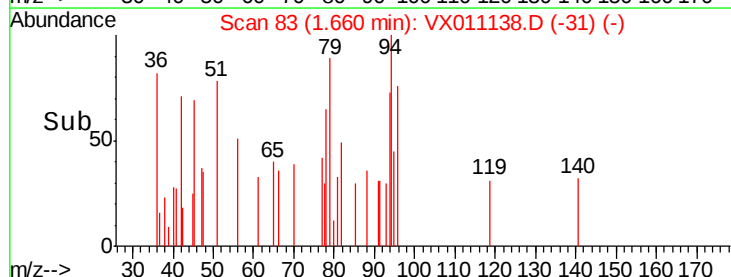


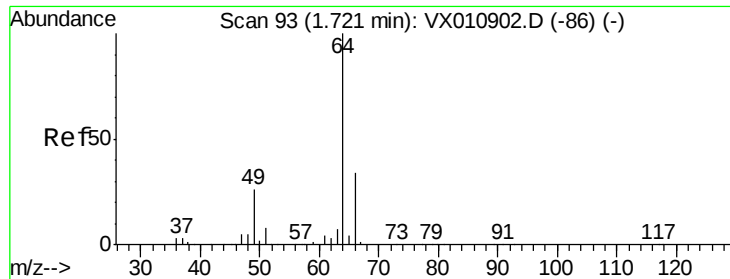
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->





#6

Chloroethane

Concen: 0.366 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX011138.D

Acq: 29 Jul 2019 12:18

Instrument :

MSVOA_X

ClientSampled :

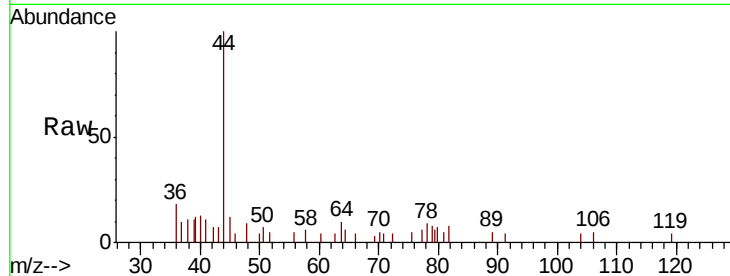
SU19-TB3

Tot Ion: 64 Resp: 428

Ion Ratio Lower Upper

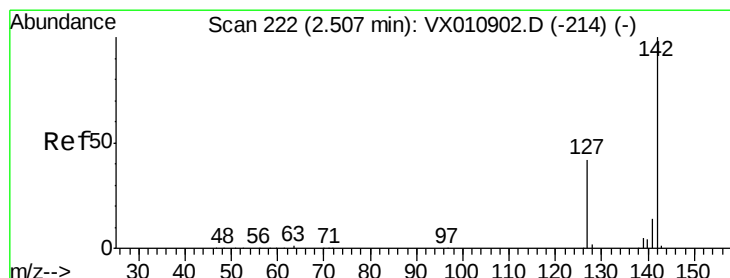
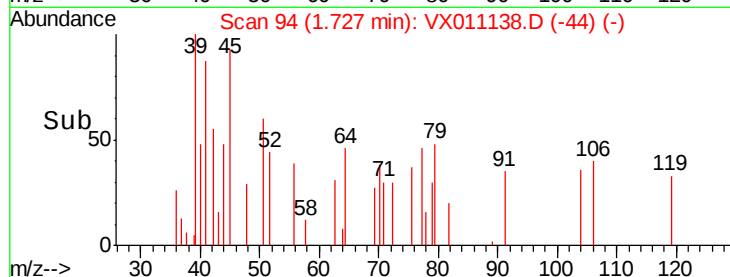
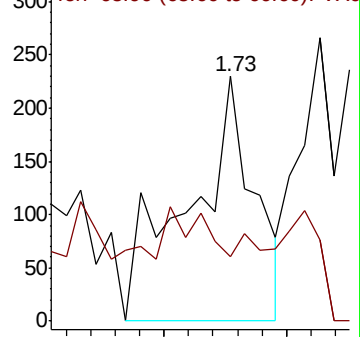
64 100

66 0.0 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.556 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX011138.D

Acq: 29 Jul 2019 12:18

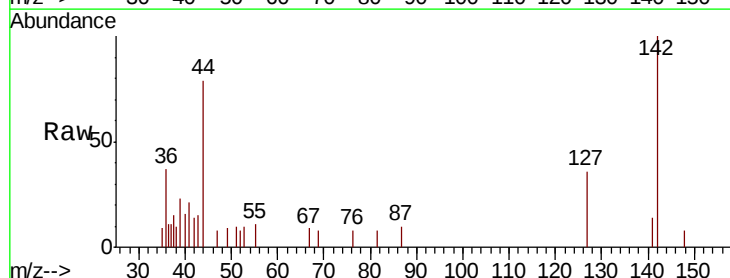
Tgt Ion: 142 Resp: 1300

Ion Ratio Lower Upper

142 100

127 44.8 34.2 51.4

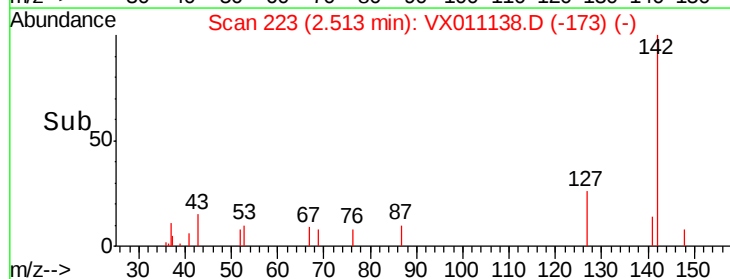
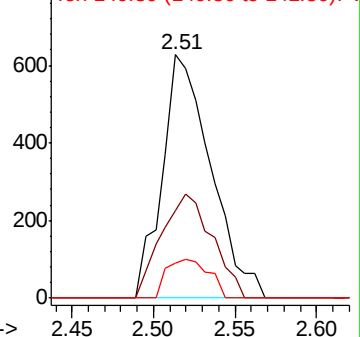
141 13.8 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

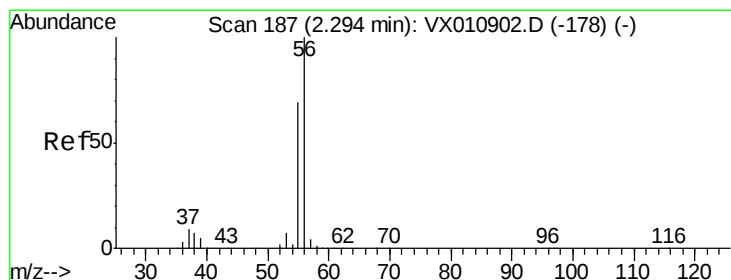
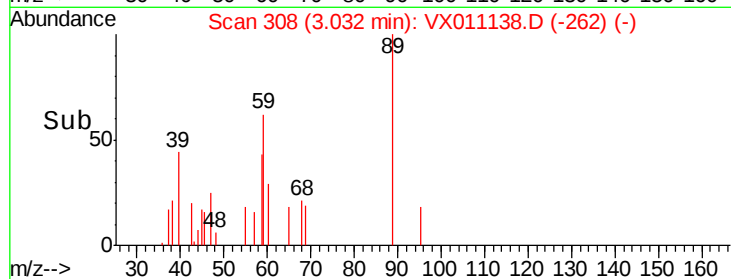
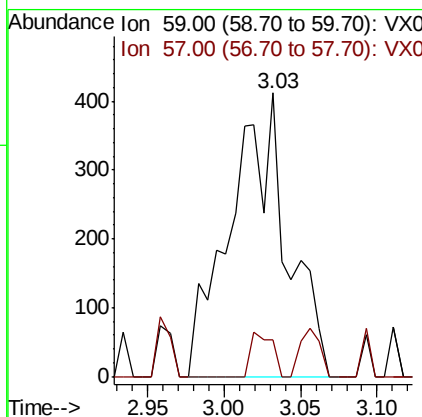
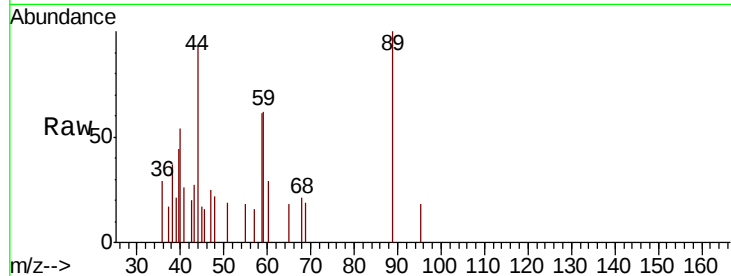




#11
Tert butyl alcohol
Concen: 2.195 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX011138.D
Acq: 29 Jul 2019 12:18

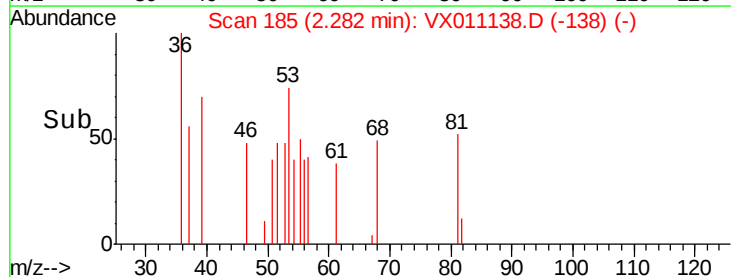
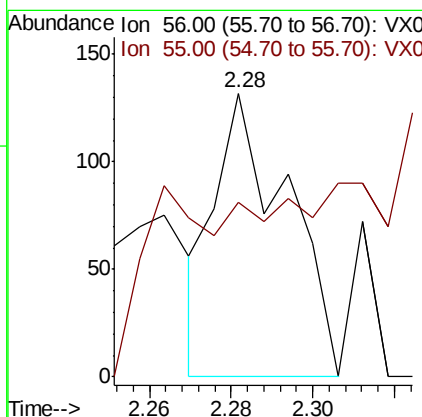
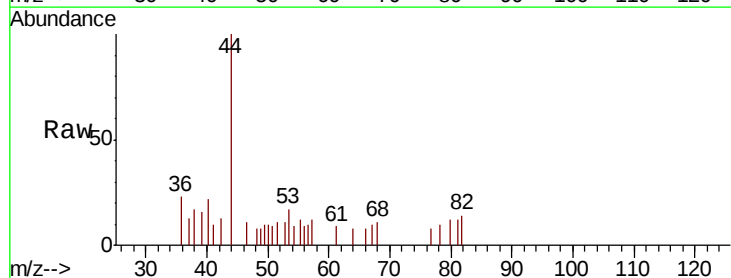
Instrument :
MSVOA_X
ClientSampleId :
SU19-TB3

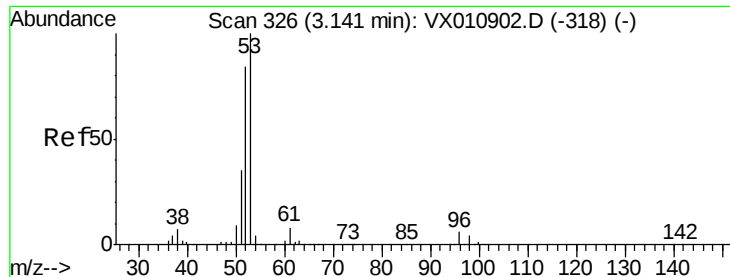
Tot Ion: 59 Resp: 1068
Ion Ratio Lower Upper
59 100
57 5.9 7.9 11.9#



#13
Acrolein
Concen: 0.576 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX011138.D
Acq: 29 Jul 2019 12:18

Tgt Ion: 56 Resp: 162
Ion Ratio Lower Upper
56 100
55 64.2 55.9 83.9





#15

Acrylonitrile

Concen: 0.384 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX011138.D

Acq: 29 Jul 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

SU19-TB3

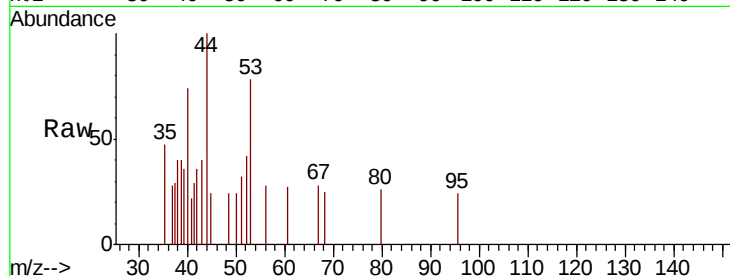
Tot Ion: 53 Resp: 378

Ion Ratio Lower Upper

53 100

52 54.0 66.5 99.7#

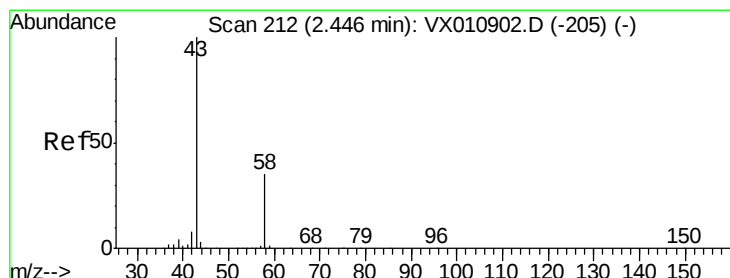
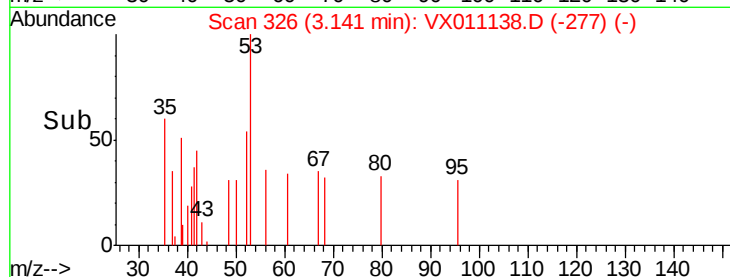
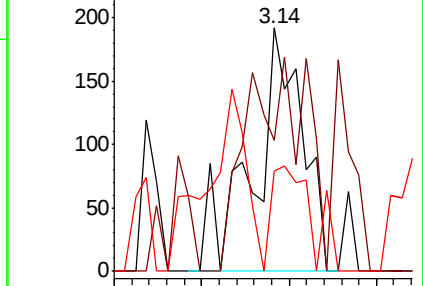
51 35.7 28.2 42.4



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: 0.512 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX011138.D

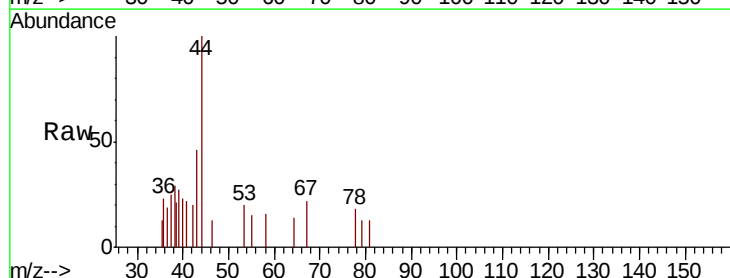
Acq: 29 Jul 2019 12:18

Tgt Ion: 43 Resp: 483

Ion Ratio Lower Upper

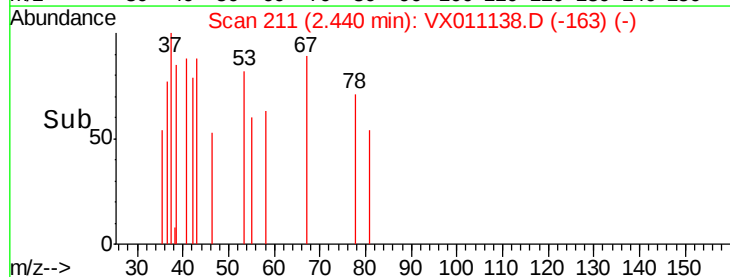
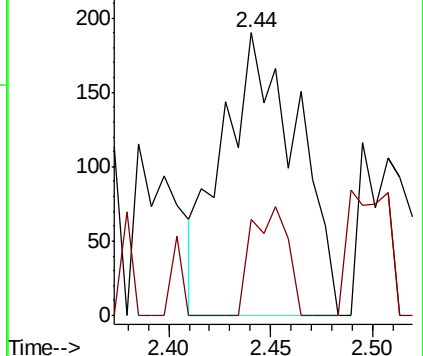
43 100

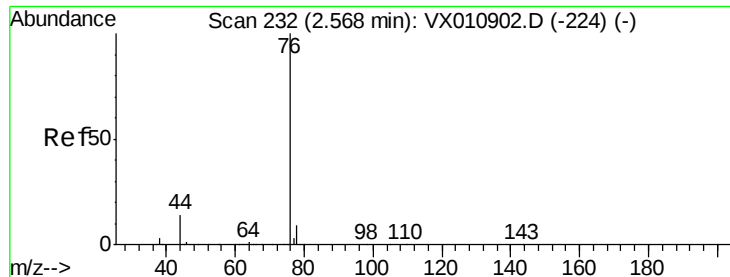
58 34.2 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

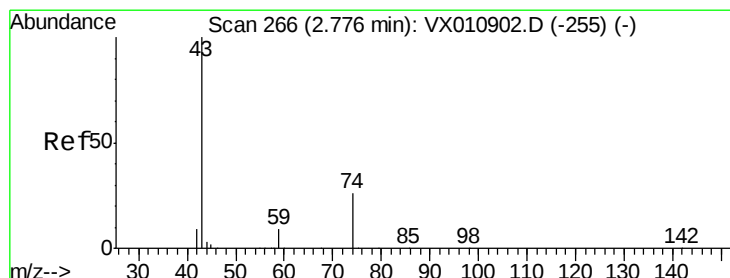
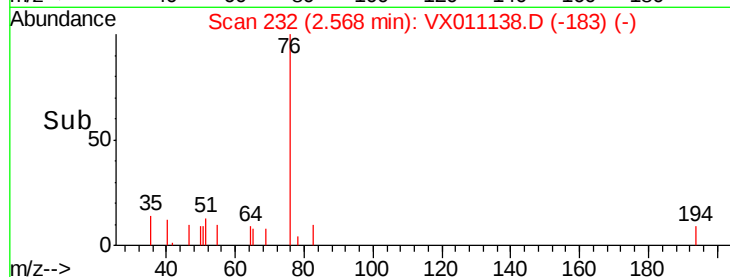
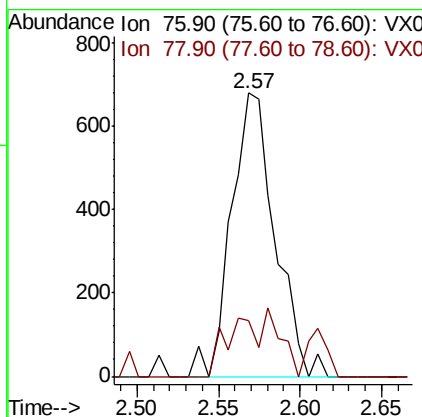
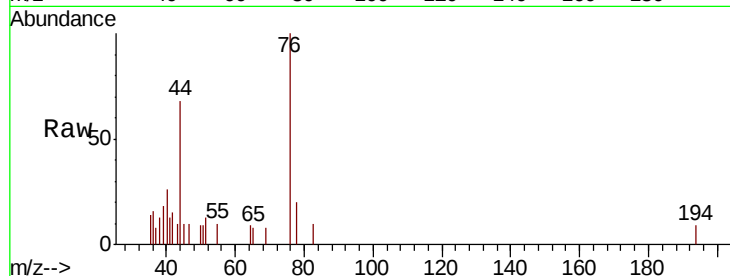




#17
Carbon Disulfide
Concen: 0.281 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX011138.D
Acq: 29 Jul 2019 12:18

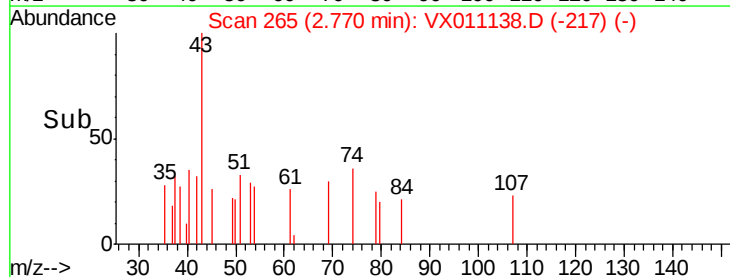
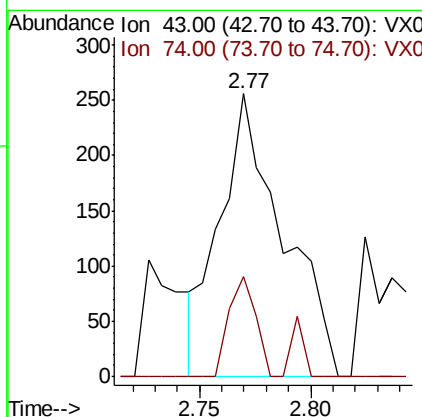
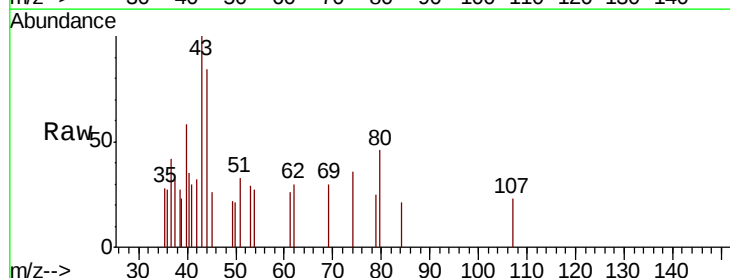
Instrument :
MSVOA_X
ClientSampleId :
SU19-TB3

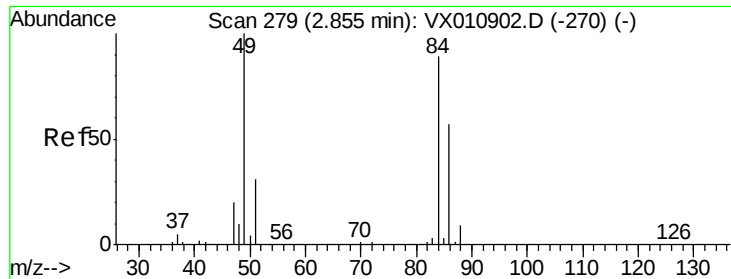
Tot Ion: 76 Resp: 1262
Ion Ratio Lower Upper
76 100
78 19.8 7.4 11.0#



#18
Methyl Acetate
Concen: 0.234 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX011138.D
Acq: 29 Jul 2019 12:18

Tgt Ion: 43 Resp: 503
Ion Ratio Lower Upper
43 100
74 15.1 21.5 32.3#

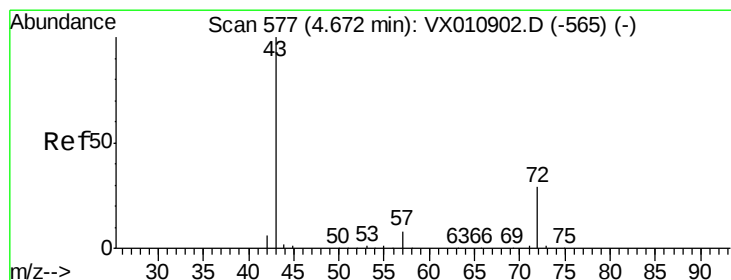
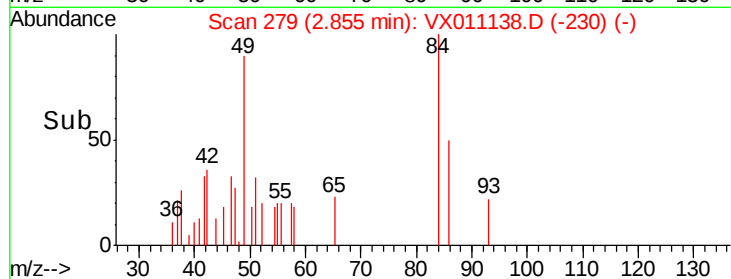
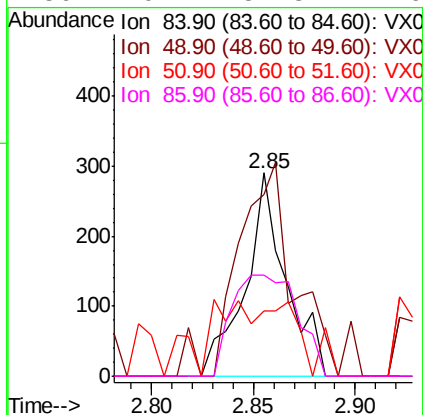
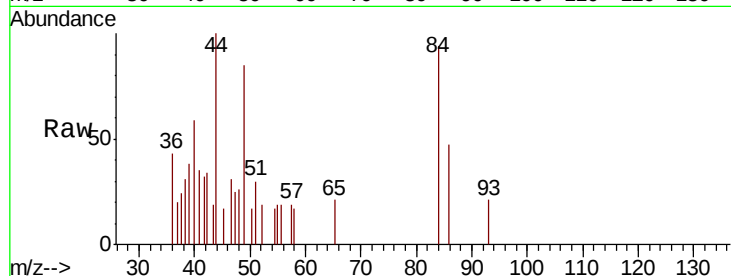




#20
Methvlene Chloride
Concen: 0.202 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX011138.D
Acq: 29 Jul 2019 12:18

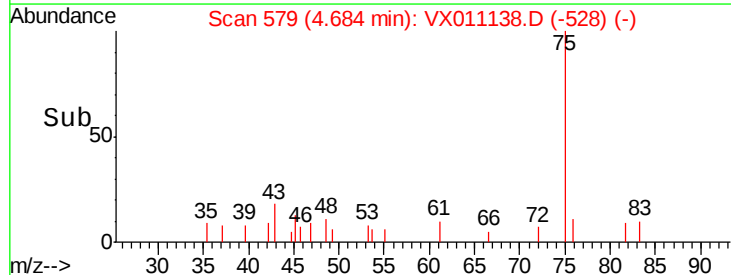
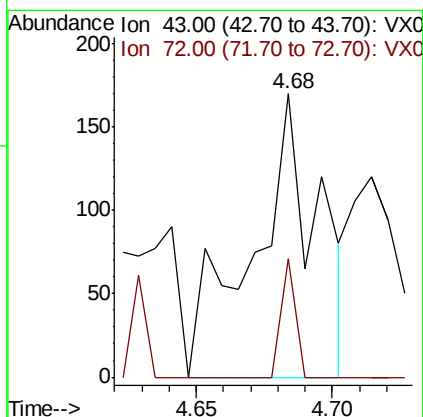
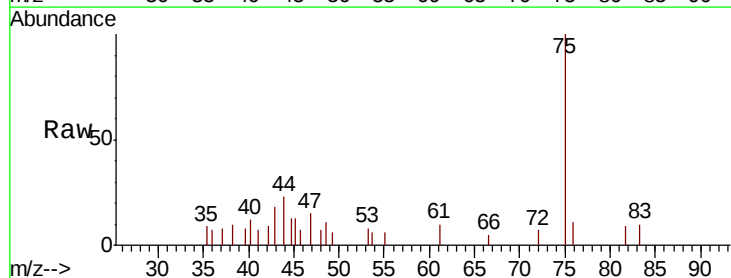
Instrument :
MSVOA_X
ClientSampleId :
SU19-TB3

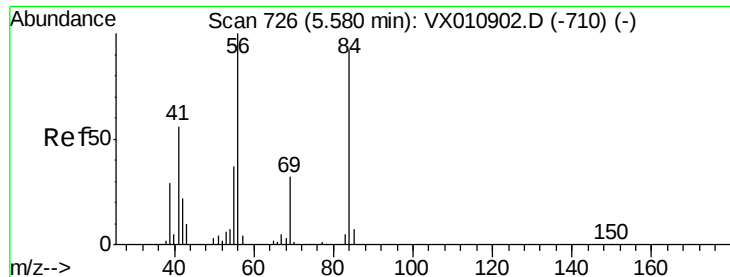
Tot Ion: 84 Resp: 404
Ion Ratio Lower Upper
84 100
49 89.7 89.9 134.9#
51 32.1 27.8 41.6
86 49.7 51.8 77.6#



#25
2-Butanone
Concen: 0.209 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX011138.D
Acq: 29 Jul 2019 12:18

Tgt Ion: 43 Resp: 283
Ion Ratio Lower Upper
43 100
72 41.8 23.0 34.6#

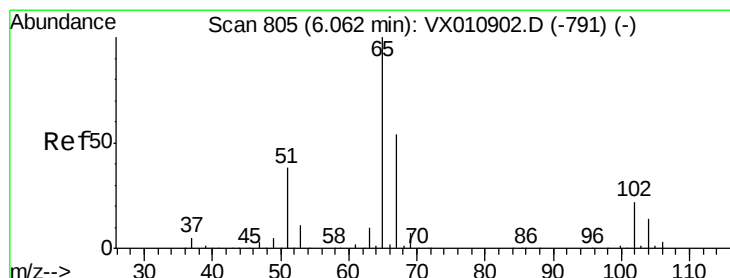
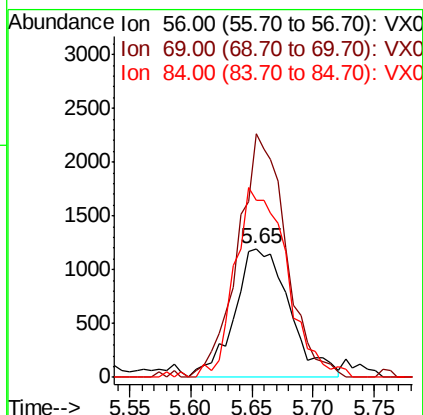
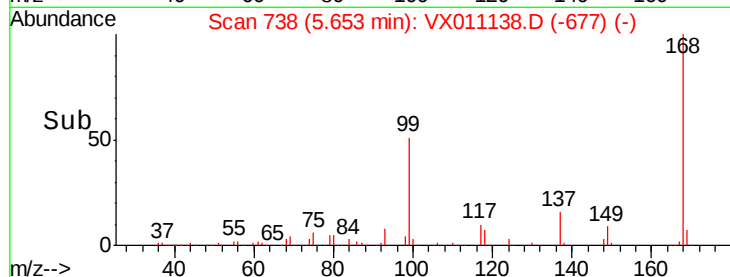
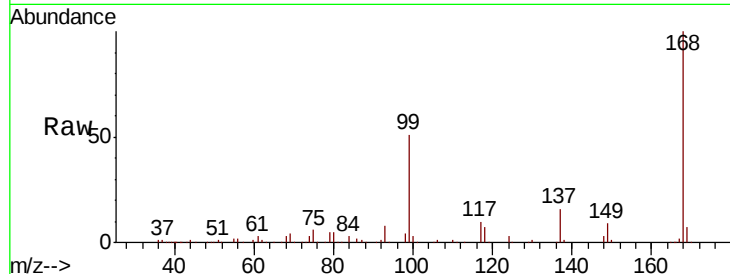




#31
Cyclohexane
Concen: 1.317 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX011138.D
Acq: 29 Jul 2019 12:18

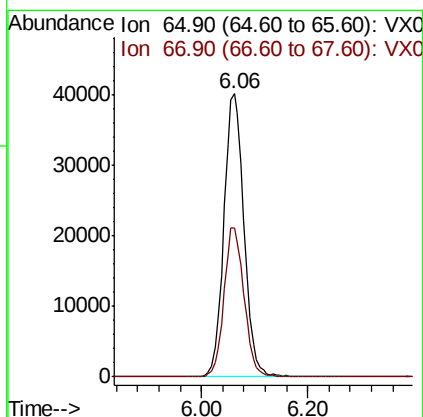
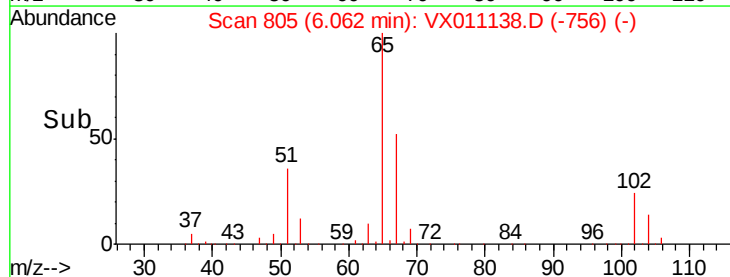
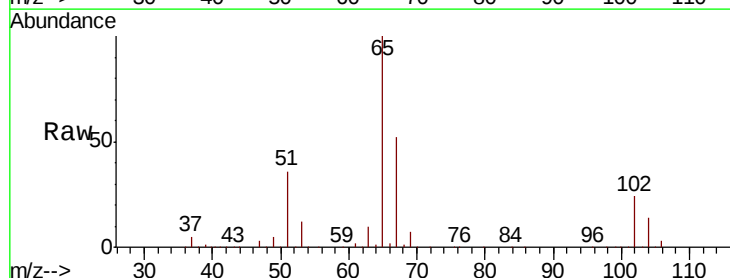
Instrument :
MSVOA_X
ClientSampleId :
SU19-TB3

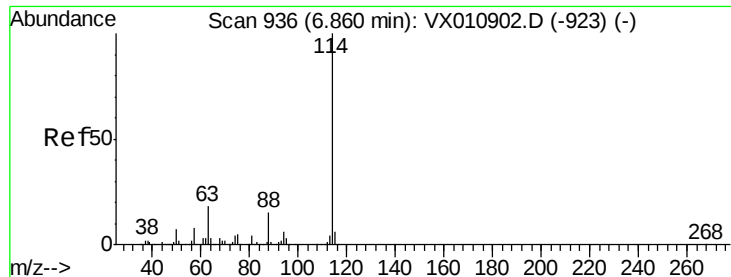
Tot Ion: 56 Resp: 3738
Ion Ratio Lower Upper
56 100
69 189.2 25.8 38.8#
84 137.8 73.8 110.6#



#33
1,2-Dichloroethane-d4
Concen: 50.848 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX011138.D
Acq: 29 Jul 2019 12:18

Tgt Ion: 65 Resp: 106254
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX011138.D

Acq: 29 Jul 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

SU19-TB3

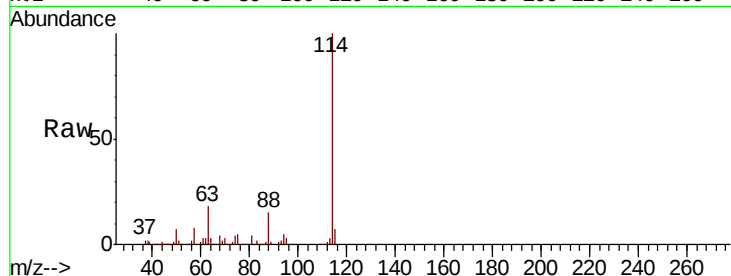
Tot Ion:114 Resp: 309687

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.6

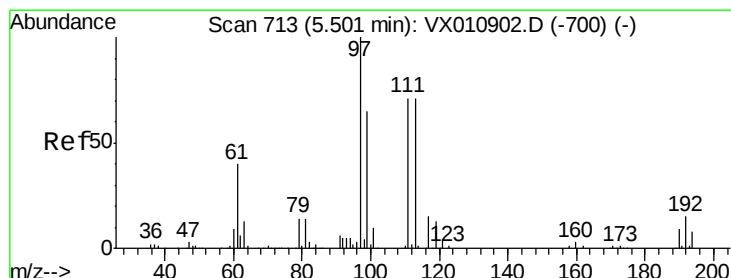
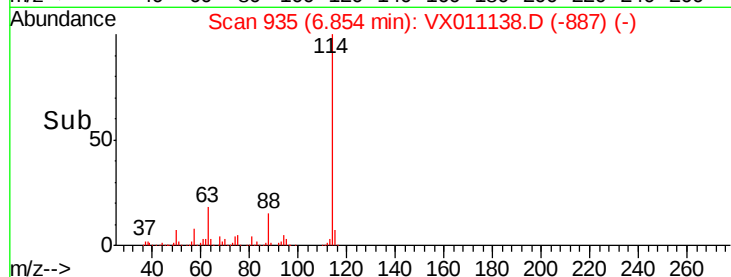
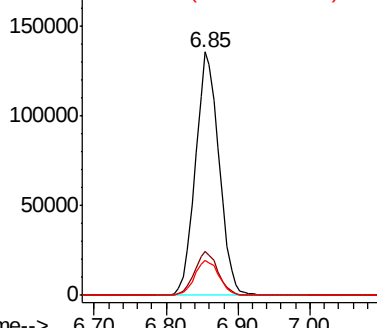
88 14.5 0.0 29.8



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: 50.103 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX011138.D

Acq: 29 Jul 2019 12:18

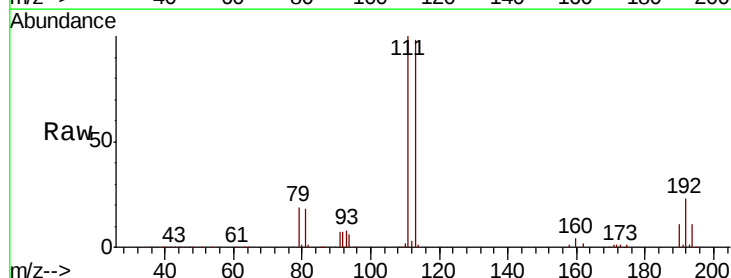
Tgt Ion:113 Resp: 98484

Ion Ratio Lower Upper

113 100

111 102.0 82.3 123.5

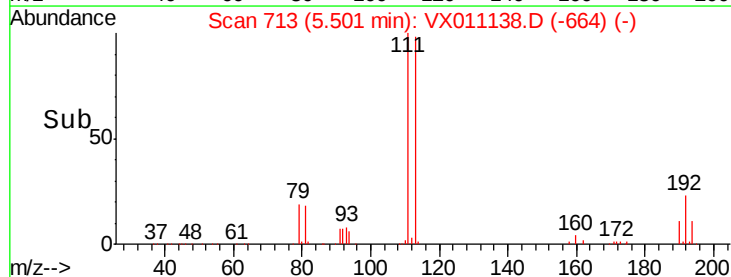
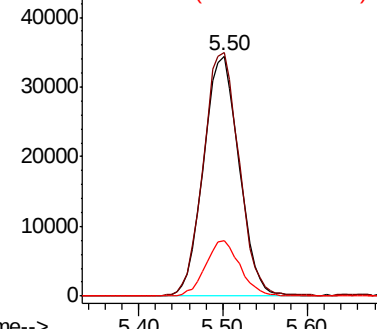
192 22.3 17.4 26.2

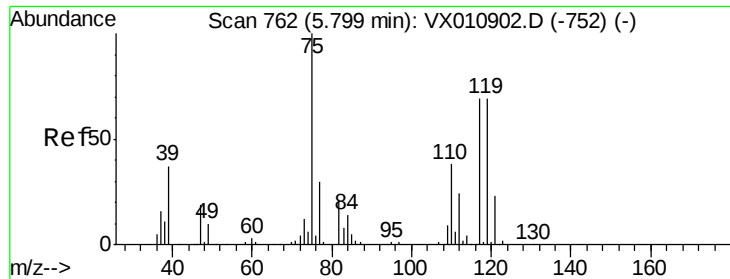


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.276 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX011138.D

Acq: 29 Jul 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

SU19-TB3

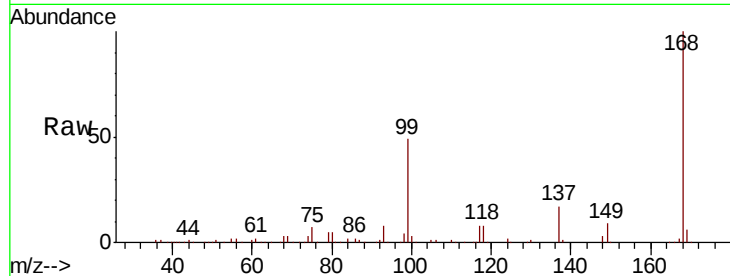
Tot Ion: 75 Resp: 13422

Ion Ratio Lower Upper

75 100

110 10.5 19.9 59.7#

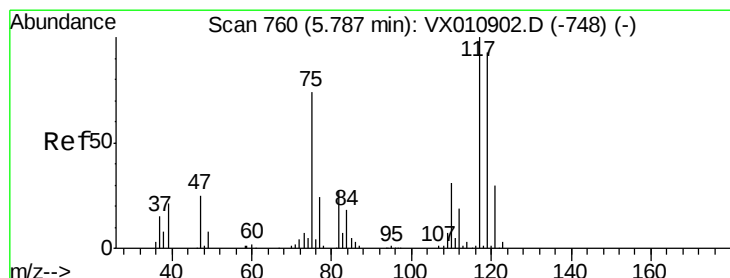
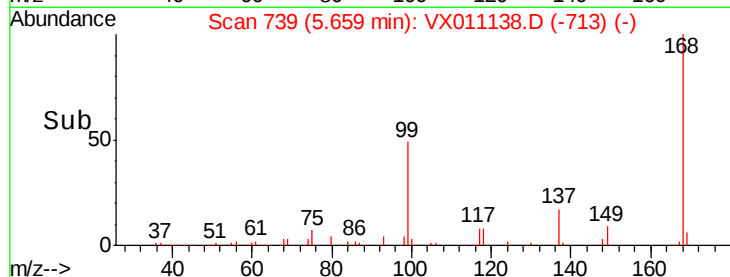
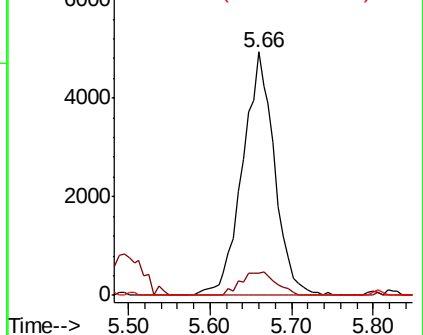
77 0.0 25.0 37.4#



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: 6.691 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX011138.D

Acq: 29 Jul 2019 12:18

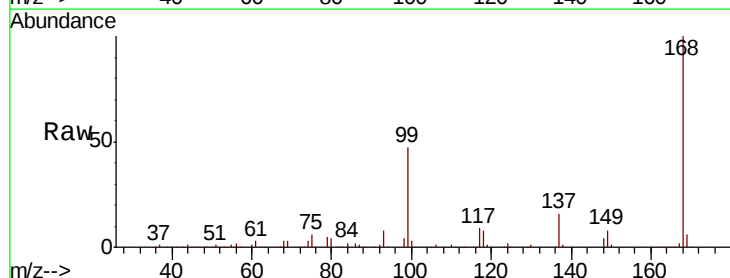
Tgt Ion: 117 Resp: 17735

Ion Ratio Lower Upper

117 100

119 6.0 74.2 111.2#

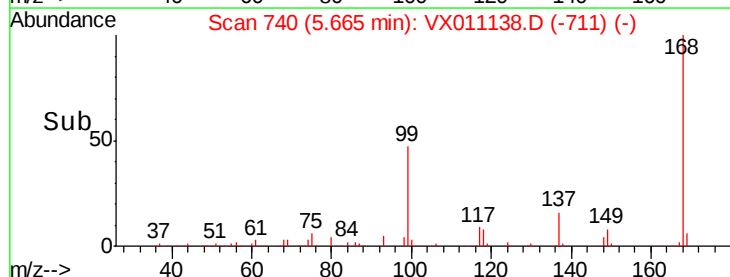
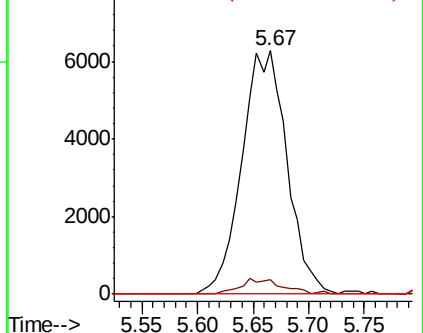
121 0.0 24.2 36.2#

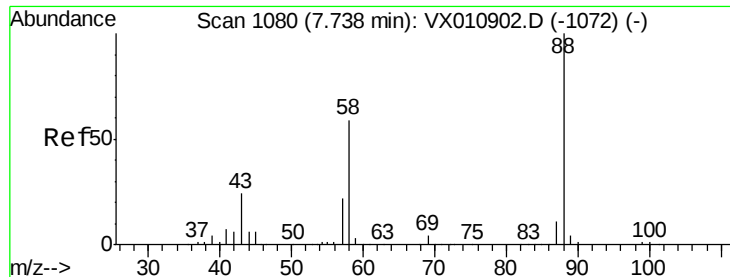


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

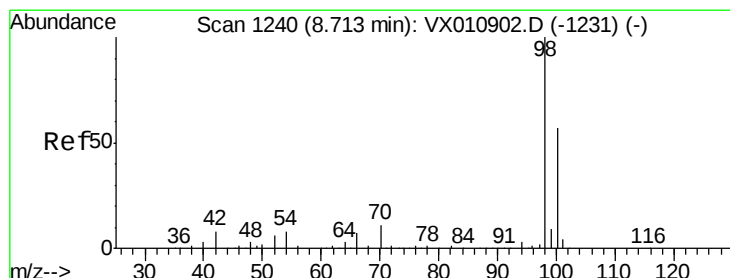
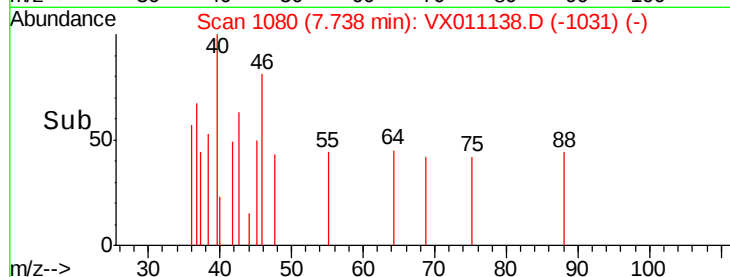
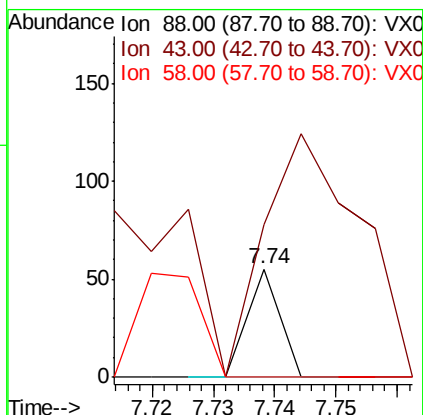
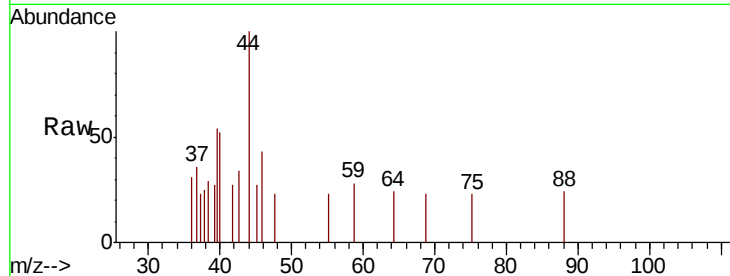




#49
 1,4-Dioxane
 Concen: 0.343 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX011138.D
 Acq: 29 Jul 2019 12:18

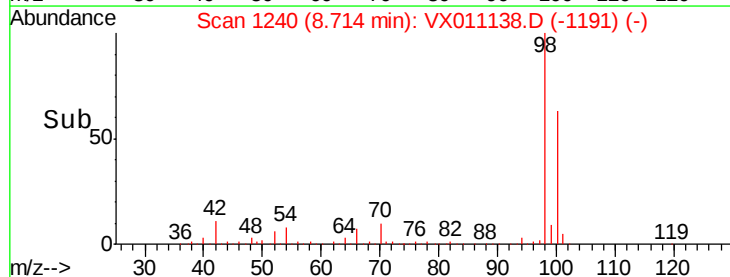
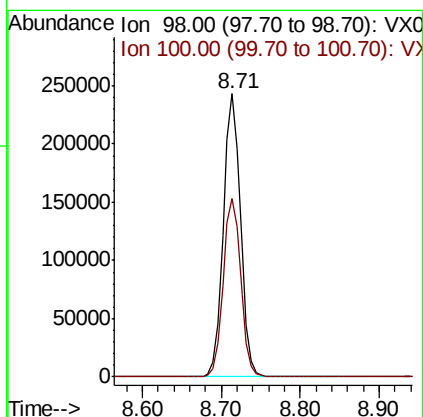
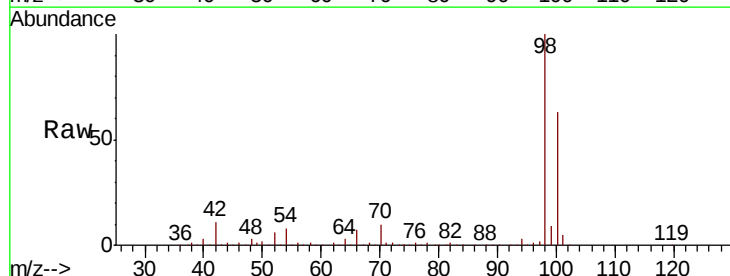
Instrument :
 MSVOA_X
 ClientSampled :
 SU19-TB3

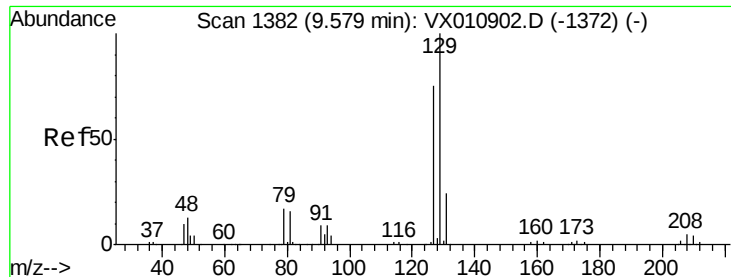
Tot Ion: 88 Resp: 20
 Ion Ratio Lower Upper
 88 100
 43 670.0 22.9 34.3#
 58 0.0 49.8 74.8#



#50
 Toluene-d8
 Concen: 49.933 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX011138.D
 Acq: 29 Jul 2019 12:18

Tgt Ion: 98 Resp: 368127
 Ion Ratio Lower Upper
 98 100
 100 64.4 50.6 75.8





#60

Dibromochloromethane

Concen: 2.548 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.25 min

Lab File: VX011138.D

Acq: 29 Jul 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

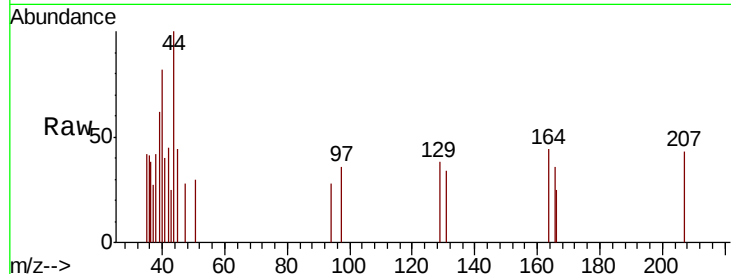
SU19-TB3

Tot Ion:129 Resp: 51

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#

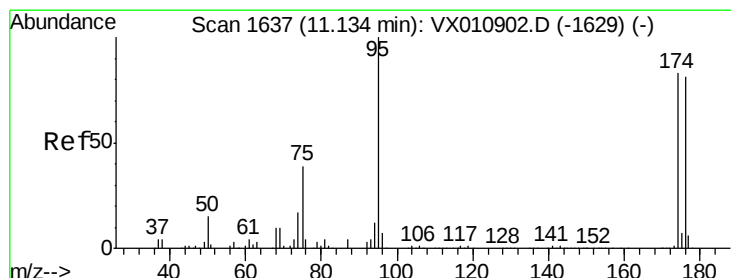
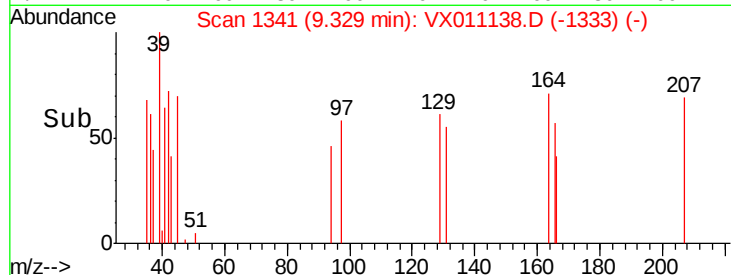


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.33

Time-->



#62

4-Bromofluorobenzene

Concen: 45.593 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011138.D

Acq: 29 Jul 2019 12:18

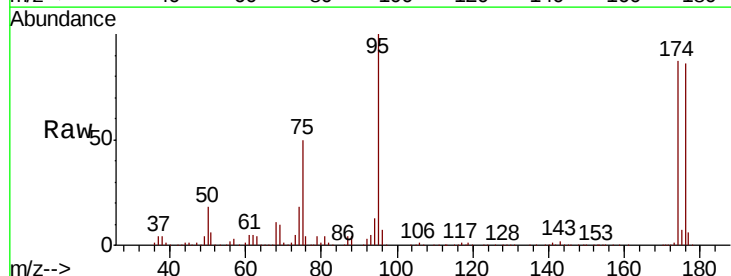
Tgt Ion: 95 Resp: 123551

Ion Ratio Lower Upper

95 100

174 91.7 0.0 180.6

176 88.4 0.0 173.8



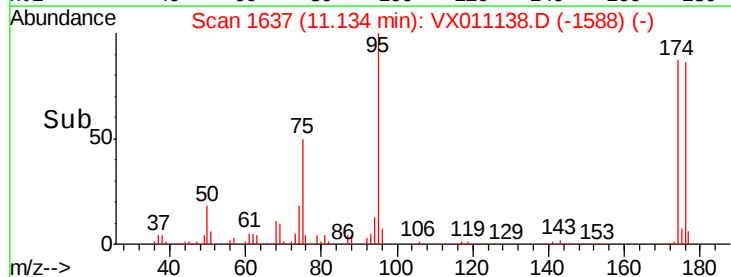
Abundance Ion 94.90 (94.60 to 95.60): VX0

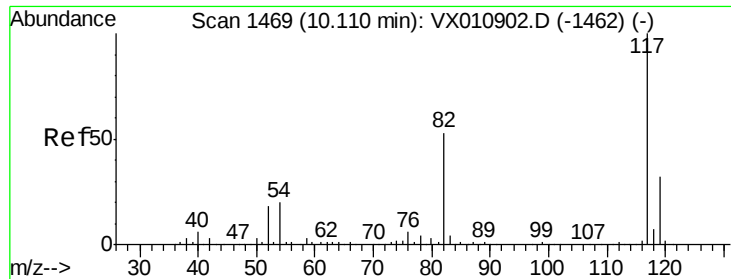
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

Time-->

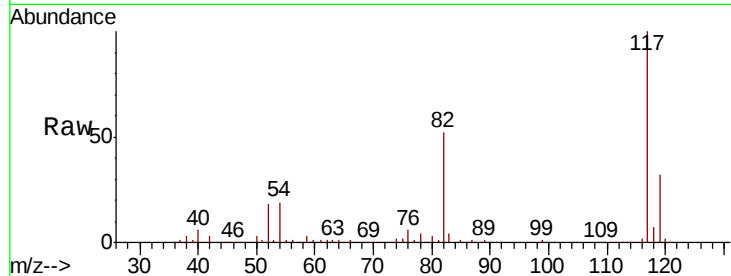




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011138.D
Acq: 29 Jul 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
SU19-TB3

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.6	63.8
119	31.8	25.9	38.9

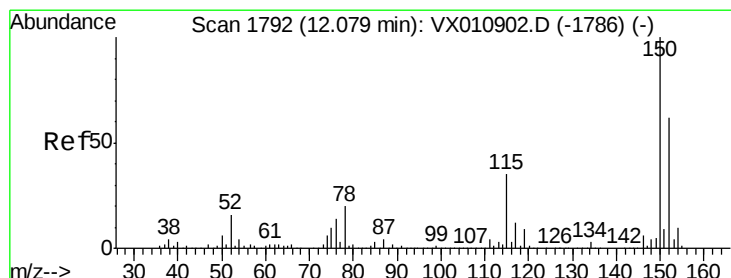
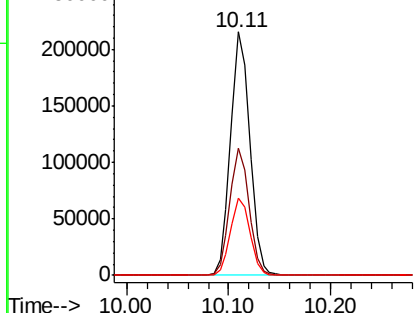
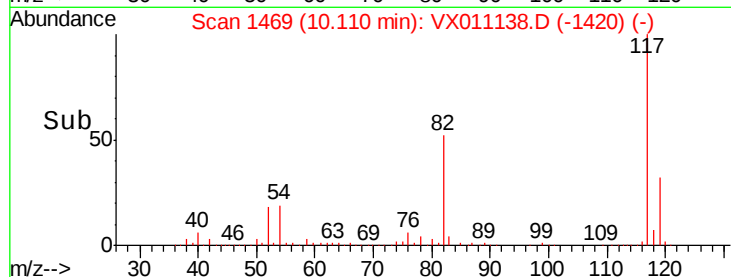


Abundance

Ion 116.90 (116.60 to 117.60): V

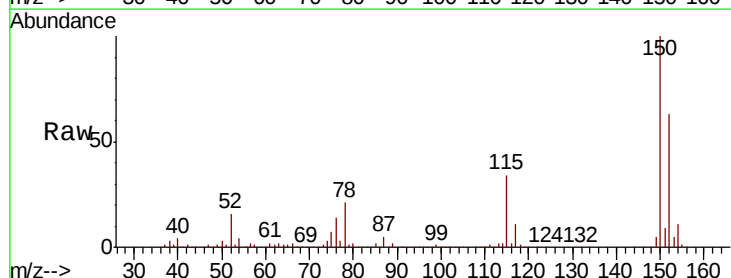
Ion 82.00 (81.70 to 82.70): VX0

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: VX011138.D
Acq: 29 Jul 2019 12:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	39.7	119.1
150	158.2	0.0	345.6

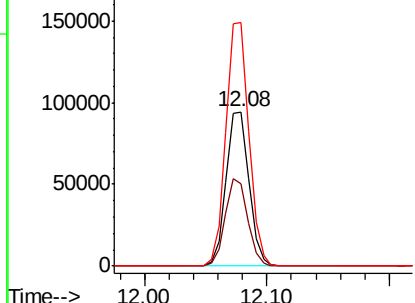
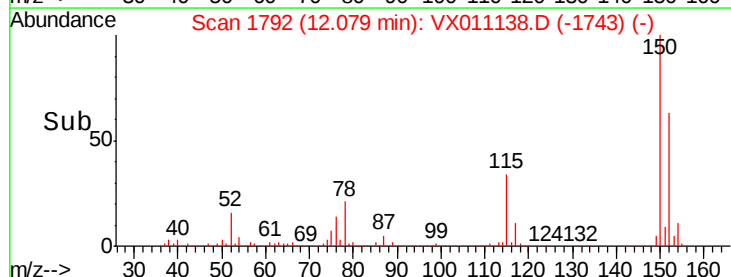


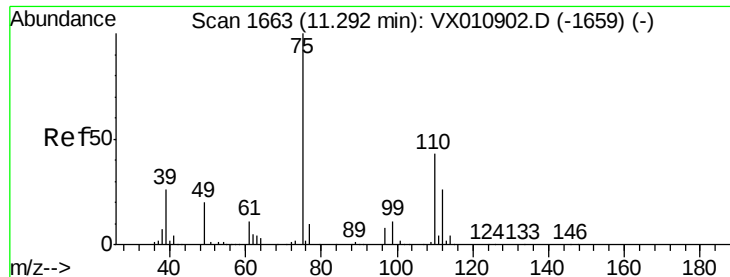
Abundance

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

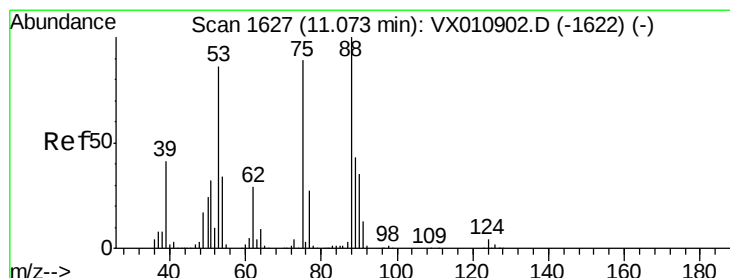
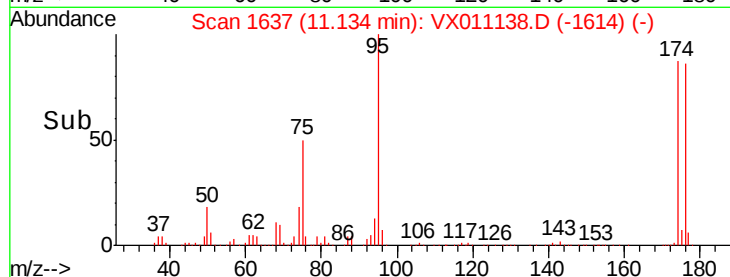
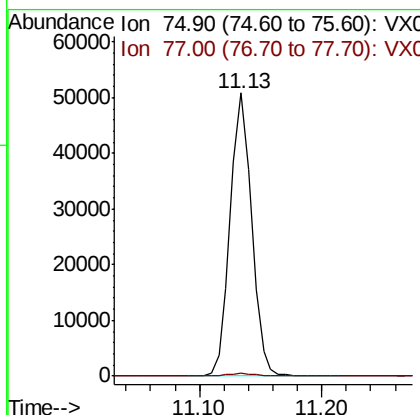
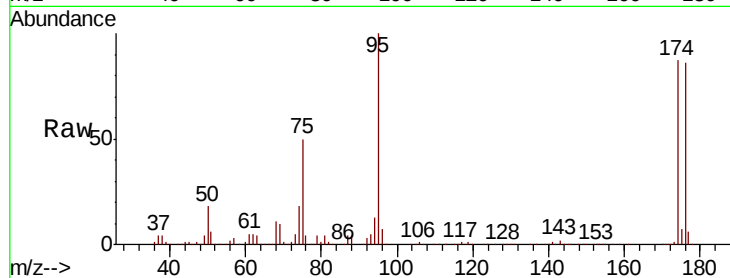




#76
 1,2,3-Trichloropropane
 Concen: 28.134 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011138.D
 Acq: 29 Jul 2019 12:18

Instrument :
 MSVOA_X
 ClientSampled :
 SU19-TB3

Tot Ion: 75 Resp: 61896
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.3 64.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.585 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011138.D
 Acq: 29 Jul 2019 12:18

Tgt Ion: 75 Resp: 61896
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.7 115.1#
 89 0.0 38.5 57.7#

