

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101719\
 Data File : VX013117.D
 Acq On : 17 Oct 2019 19:04
 Operator : JC/SP
 Sample : K5414-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB04-SRI4

Quant Time: Oct 18 08:05:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 07:26:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	168374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	268012	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	227148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	91501	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	102849	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
35) Dibromofluoromethane	5.49	113	80237	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
50) Toluene-d8	8.71	98	311989	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
62) 4-Bromofluorobenzene	11.14	95	104352	44.76	ug/l	0.00
Spiked Amount			Recovery	=	89.52%	

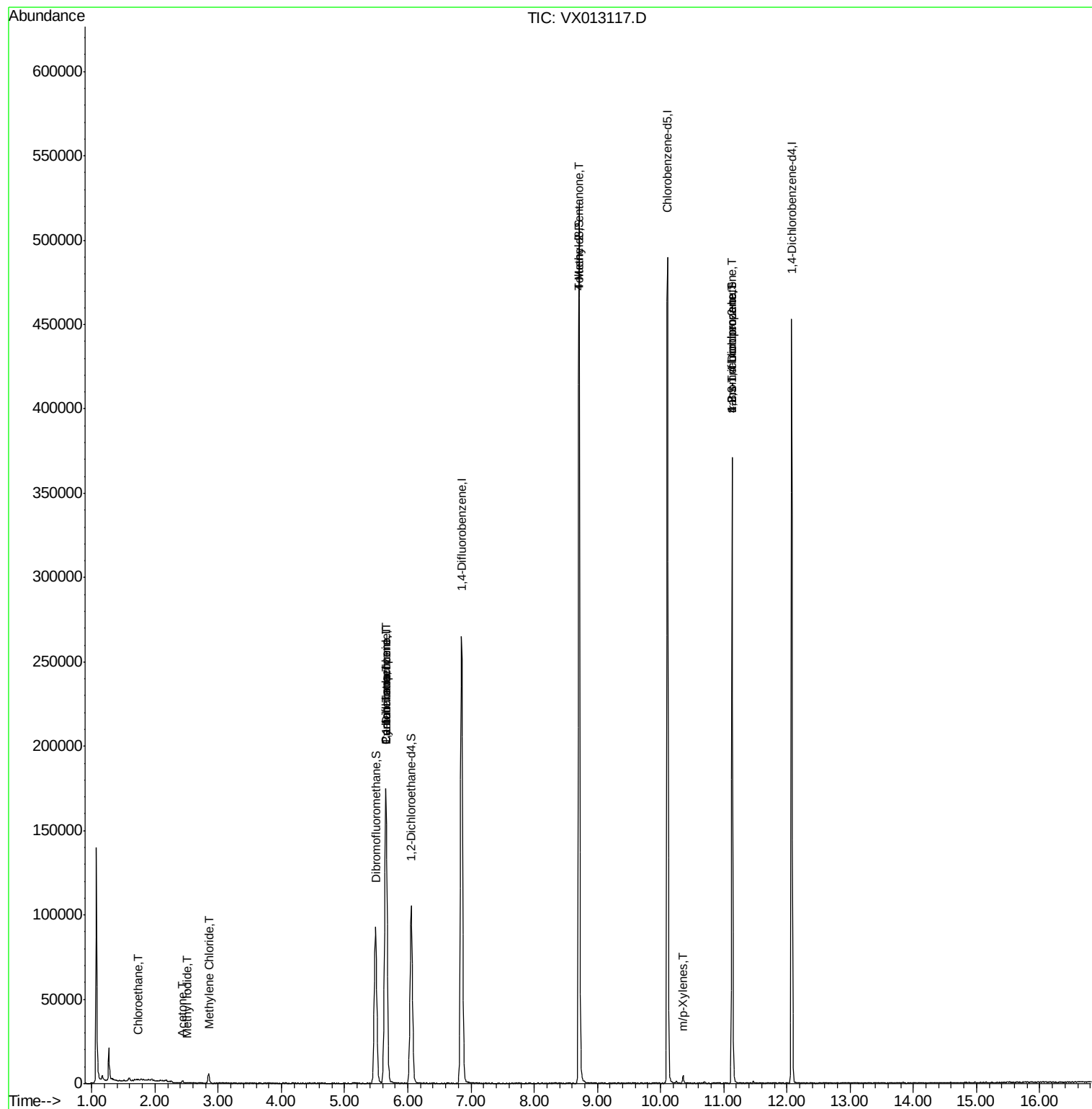
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	266	0.592	ug/l	99
10) Methyl Iodide	2.50	142	56	5.108	ug/l #	40
16) Acetone	2.43	43	1576	1.421	ug/l	97
20) Methylene Chloride	2.85	84	2726	1.337	ug/l	91
31) Cyclohexane	5.65	56	3184	1.042	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	12766	5.418	ug/l #	50
38) Carbon Tetrachloride	5.65	117	16658	7.263	ug/l #	18
51) 4-Methyl-2-Pentanone	8.70	43	1452	0.551	ug/l #	1
68) m/p-Xylenes	10.36	106	1110	0.371	ug/l	80
76) 1,2,3-Trichloropropane	11.14	75	51408	25.331	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	51408	63.901	ug/l #	10

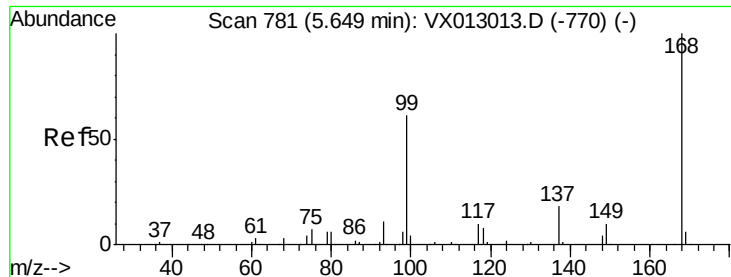
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 16 07:26:22 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX013117.D

Acq: 17 Oct 2019 19:04

Instrument :

MSVOA_X

ClientSampleId :

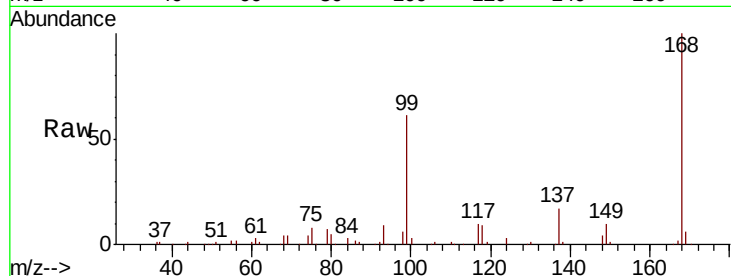
TB04-SRI4

Tot Ion:168 Resp: 168374

Ion Ratio Lower Upper

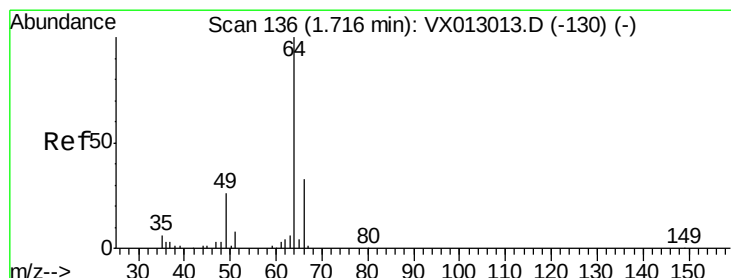
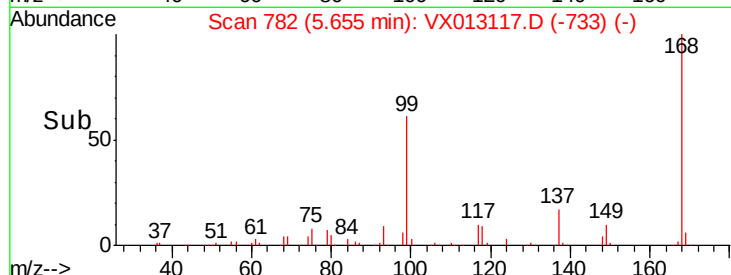
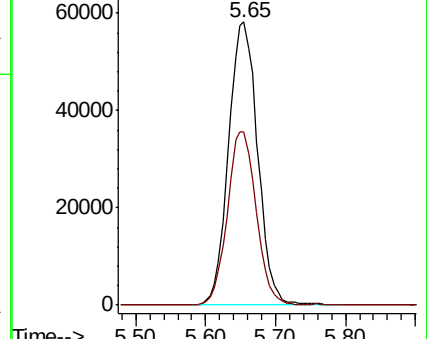
168 100

99 61.2 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.592 ug/l

RT: 1.73 min Scan# 138

Delta R.T. 0.02 min

Lab File: VX013117.D

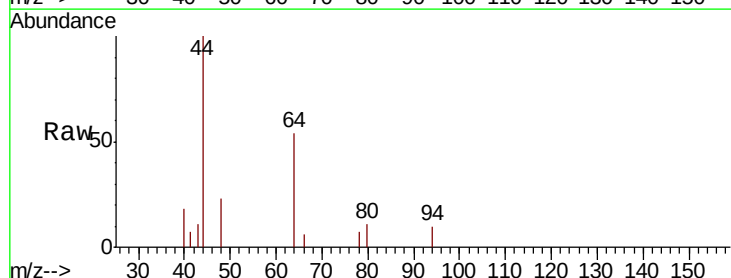
Acq: 17 Oct 2019 19:04

Tgt Ion: 64 Resp: 266

Ion Ratio Lower Upper

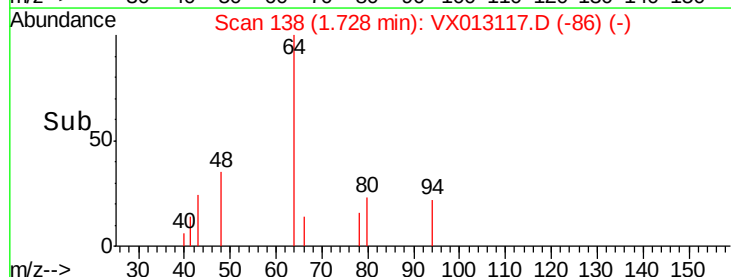
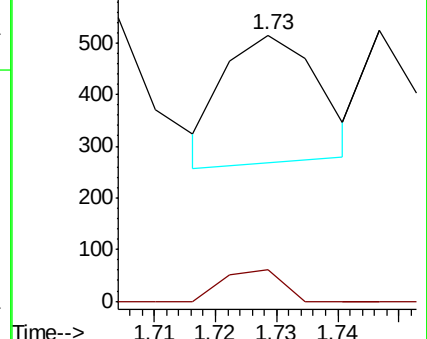
64 100

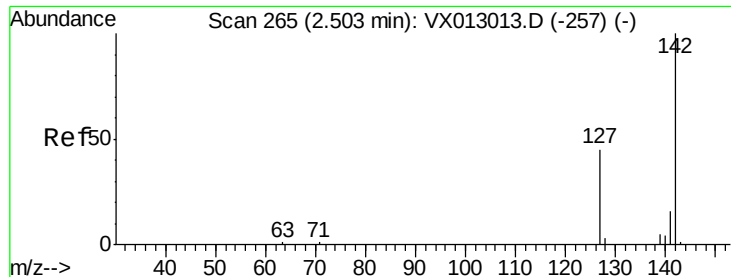
66 31.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

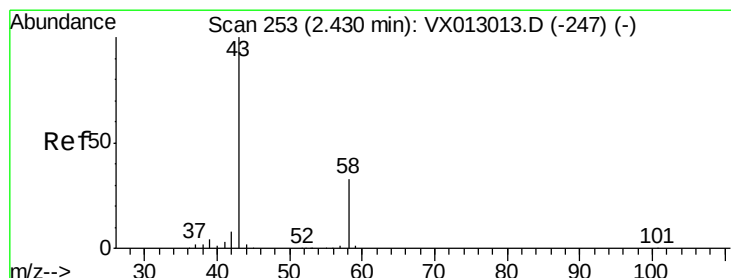
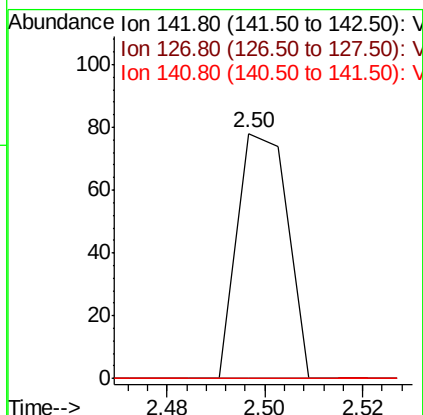
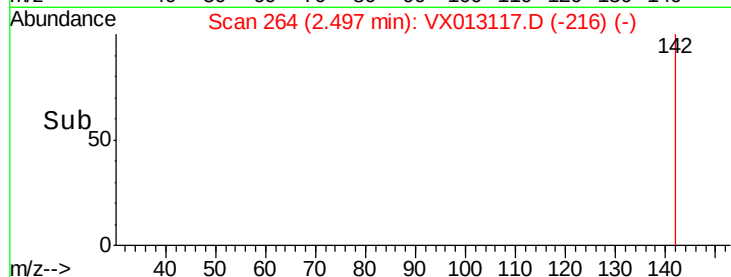
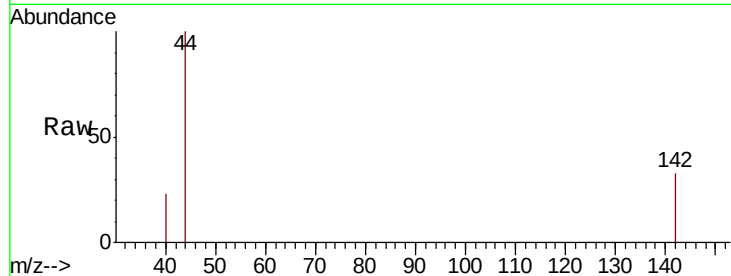




#10
Methvl Iodide
Concen: 5.108 ug/l
RT: 2.50 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX013117.D
Acq: 17 Oct 2019 19:04

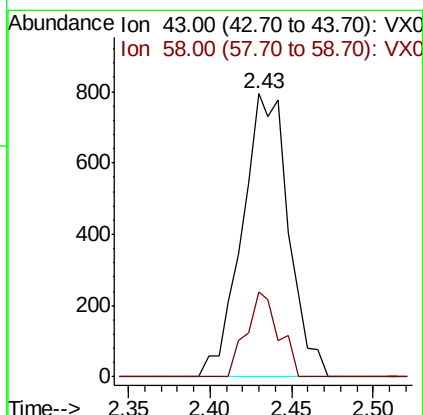
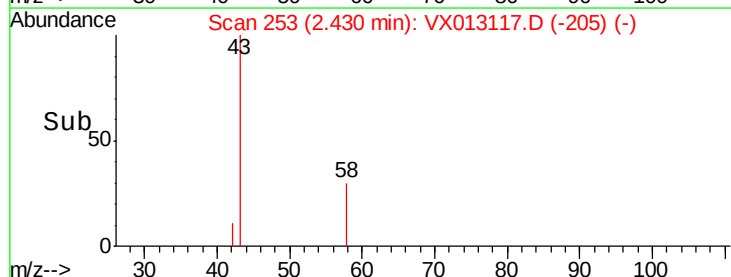
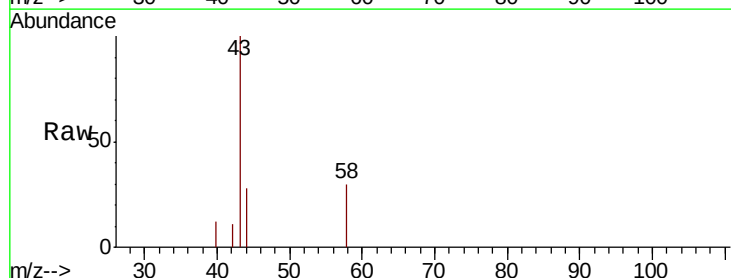
Instrument :
MSVOA_X
ClientSampled :
TB04-SRI4

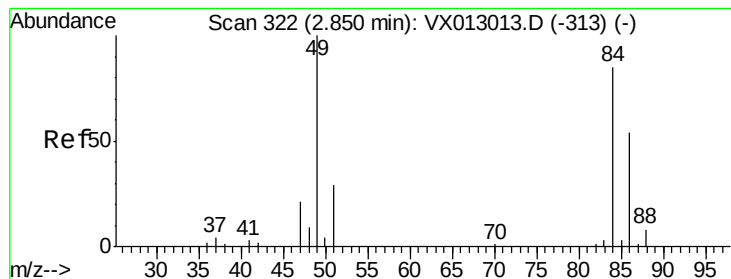
Tot Ion:142 Resp: 56
Ion Ratio Lower Upper
142 100
127 0.0 34.9 52.3#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 1.421 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX013117.D
Acq: 17 Oct 2019 19:04

Tgt Ion: 43 Resp: 1576
Ion Ratio Lower Upper
43 100
58 30.0 25.4 38.2





#20

Methylene Chloride

Concen: 1.337 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX013117.D

Acq: 17 Oct 2019 19:04

Instrument :

MSVOA_X

ClientSampleId :

TB04-SRI4

Tot Ion: 84 Resp: 2726

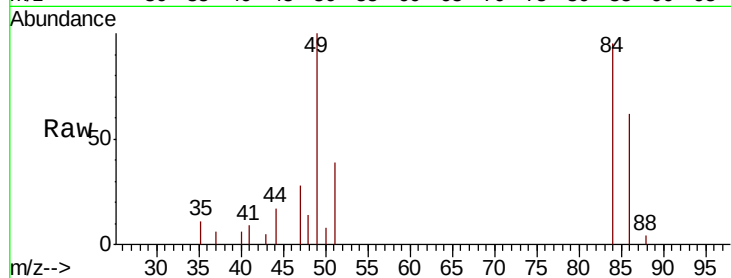
Ion Ratio Lower Upper

84 100

49 105.7 96.6 144.8

51 41.2 30.7 46.1

86 65.8 51.0 76.6

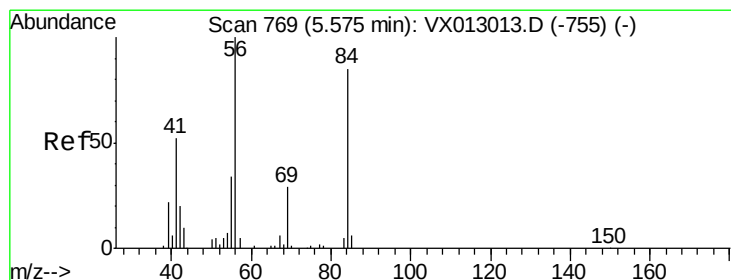
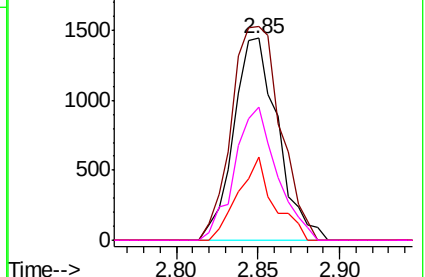
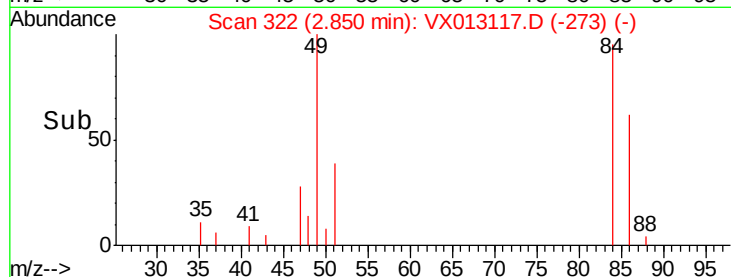


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#31

Cyclohexane

Concen: 1.042 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX013117.D

Acq: 17 Oct 2019 19:04

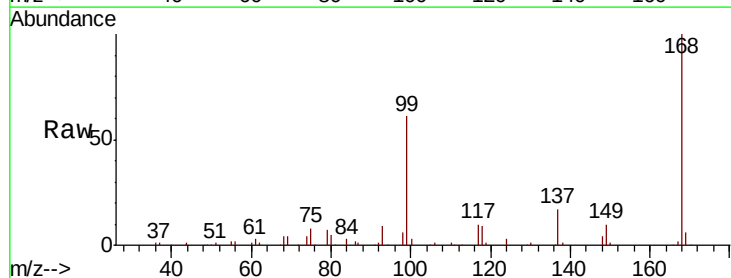
Tgt Ion: 56 Resp: 3184

Ion Ratio Lower Upper

56 100

69 165.5 25.2 37.8#

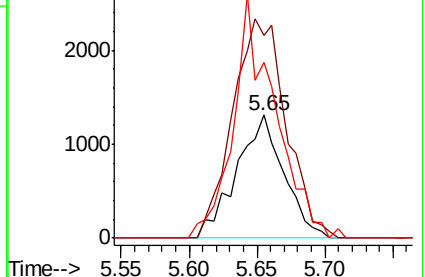
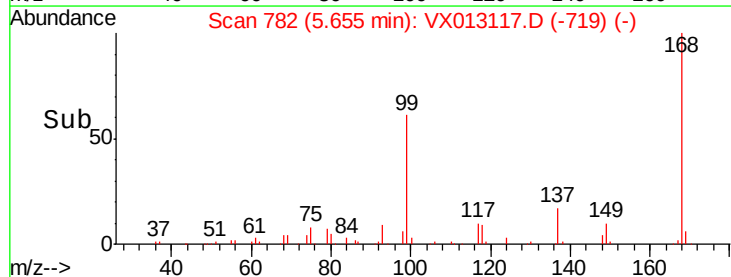
84 143.7 71.3 106.9#

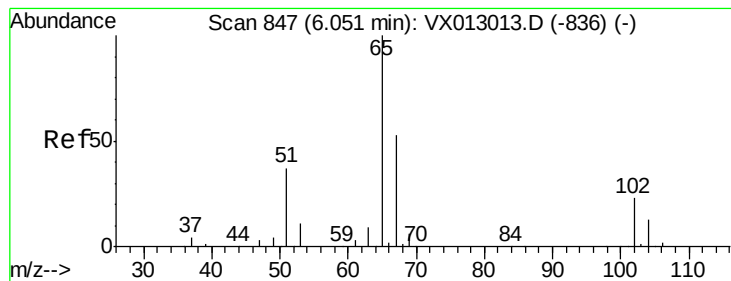


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.872 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.00 min

Lab File: VX013117.D

Acq: 17 Oct 2019 19:04

Instrument :

MSVOA_X

ClientSampleId :

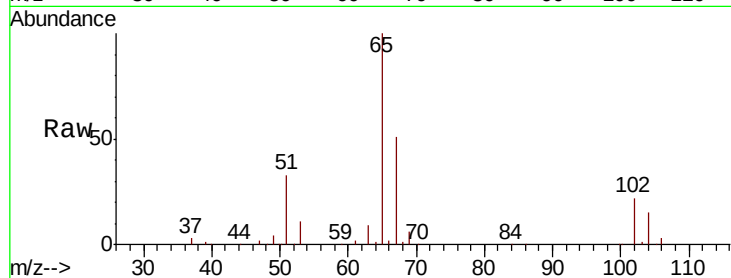
TB04-SRI4

Tot Ion: 65 Resp: 102849

Ion Ratio Lower Upper

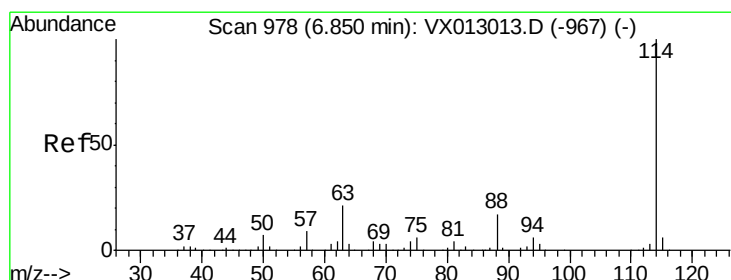
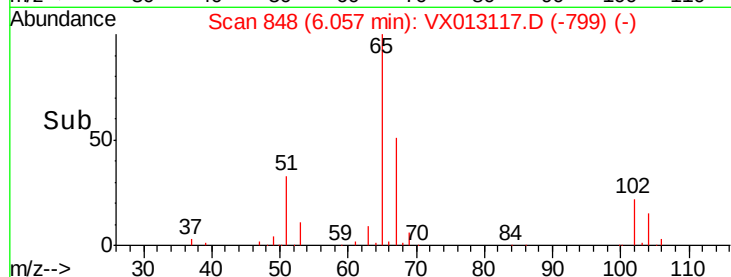
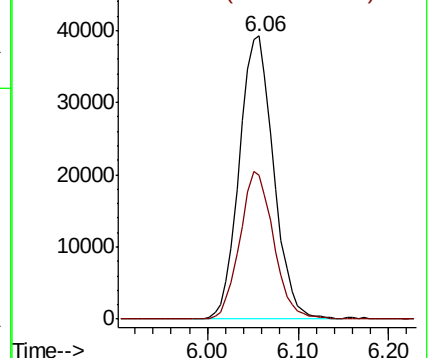
65 100

67 51.3 0.0 104.4



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013117.D

Acq: 17 Oct 2019 19:04

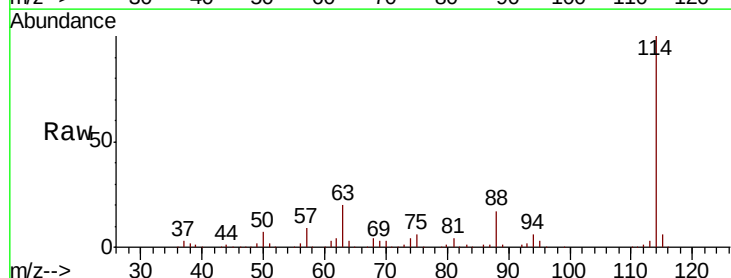
Tgt Ion: 114 Resp: 268012

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

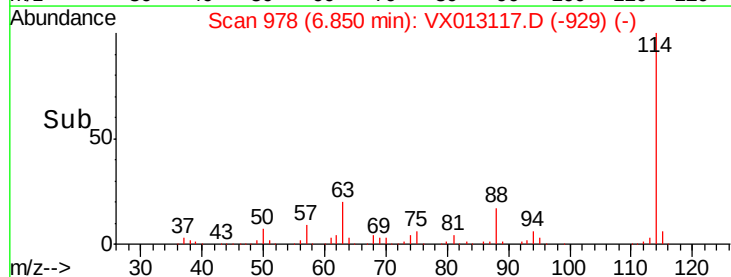
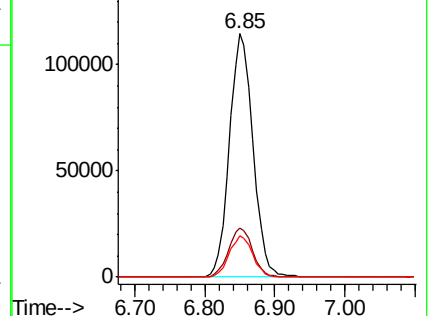
88 17.0 0.0 33.8

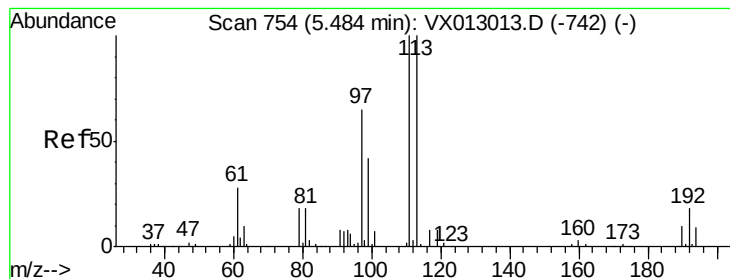


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.161 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013117.D

Acq: 17 Oct 2019 19:04

Instrument :

MSVOA_X

ClientSampleId :

TB04-SRI4

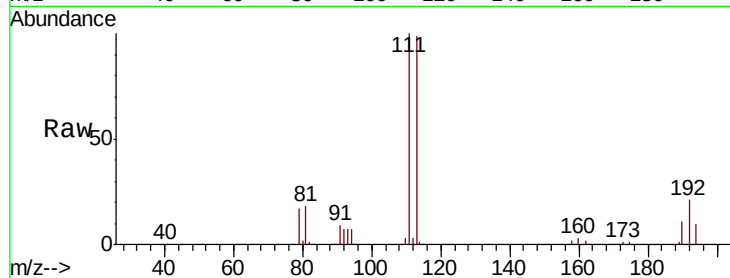
Tot Ion:113 Resp: 80237

Ion Ratio Lower Upper

113 100

111 104.1 83.2 124.8

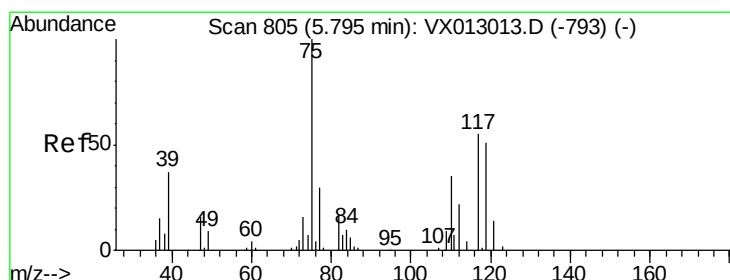
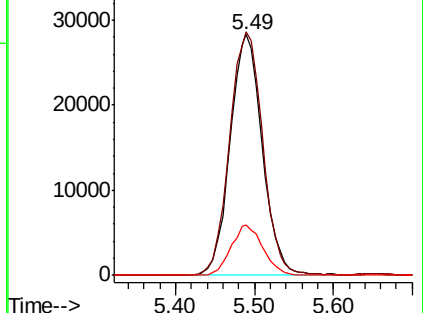
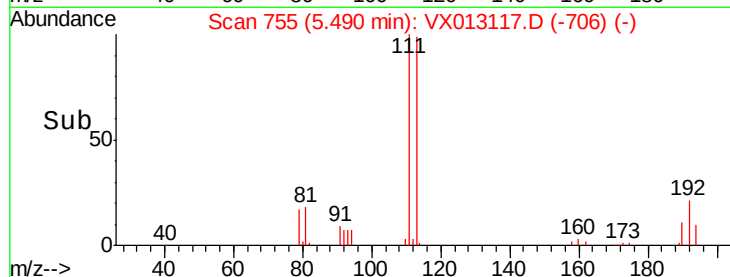
192 20.6 15.4 23.2



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: 5.418 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013117.D

Acq: 17 Oct 2019 19:04

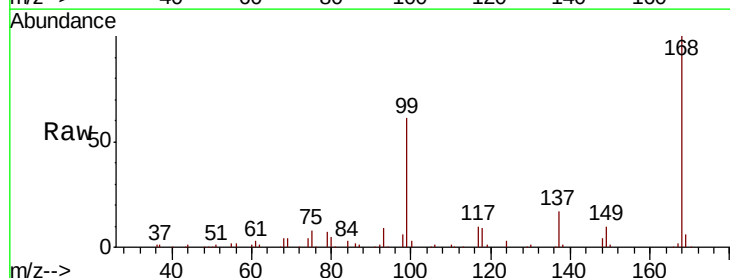
Tgt Ion: 75 Resp: 12766

Ion Ratio Lower Upper

75 100

110 9.6 17.6 52.9#

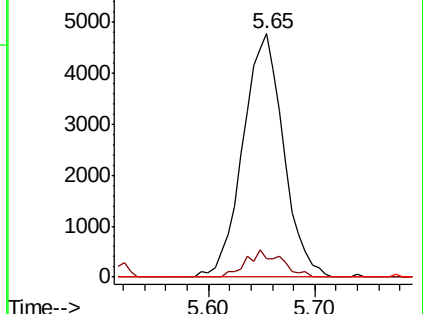
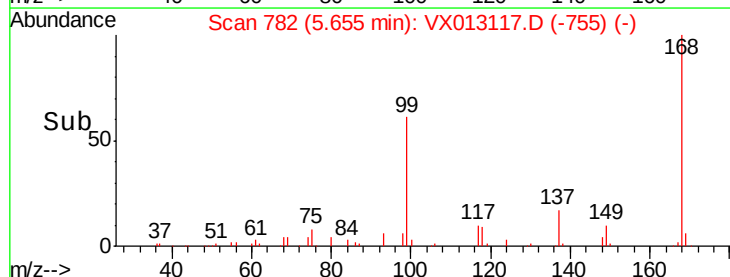
77 0.0 24.4 36.6#

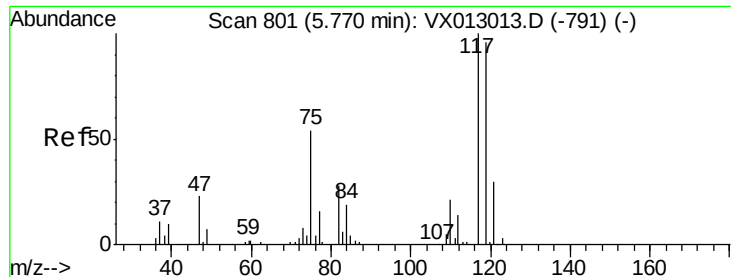


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.263 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013117.D

Acq: 17 Oct 2019 19:04

Instrument :

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ClientSampleId :

TB04-SRI4

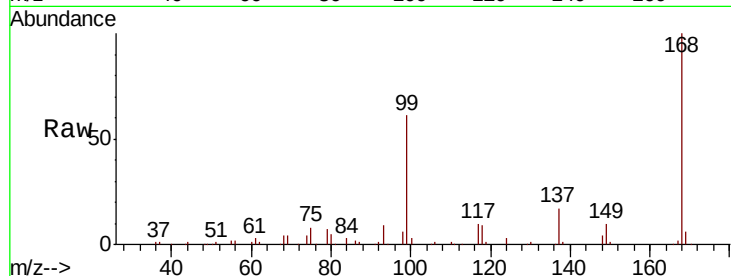
Tot Ion:117 Resp: 16658

Ion Ratio Lower Upper

117 100

119 5.5 74.5 111.7#

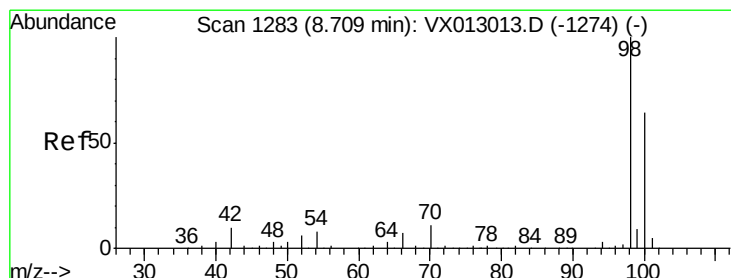
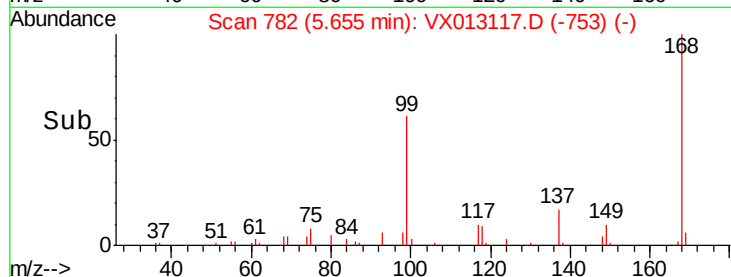
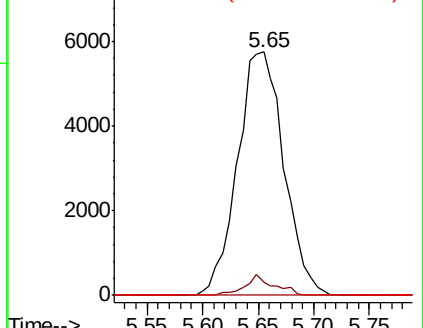
121 0.0 24.2 36.4#



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



#50

Toluene-d8

Concen: 52.002 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013117.D

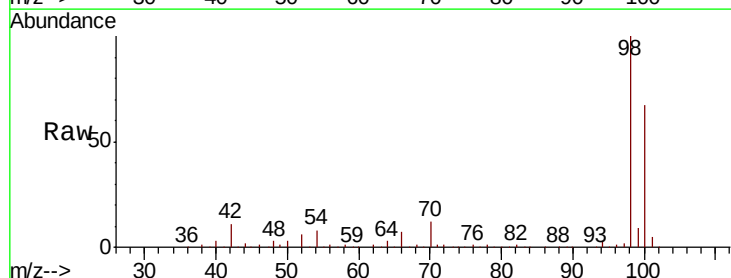
Acq: 17 Oct 2019 19:04

Tgt Ion: 98 Resp: 311989

Ion Ratio Lower Upper

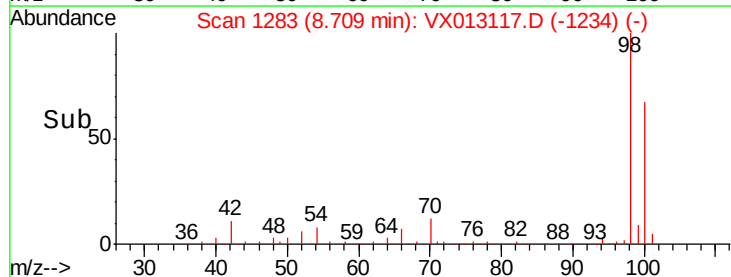
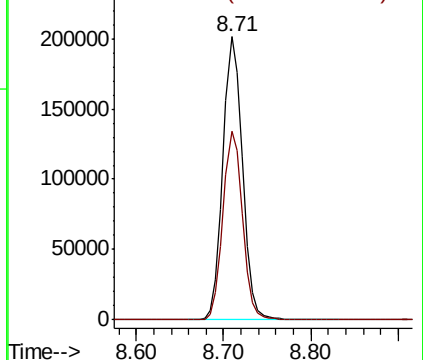
98 100

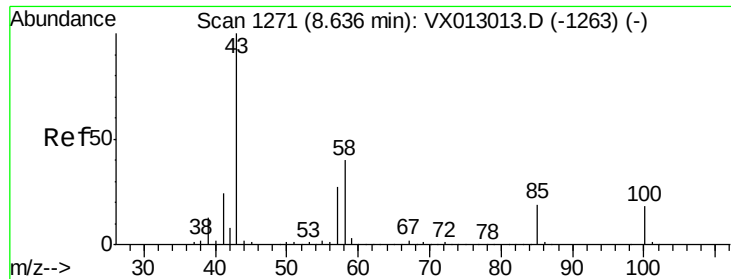
100 66.7 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.551 ug/l

RT: 8.70 min Scan# 1282

Delta R.T. 0.07 min

Lab File: VX013117.D

Acq: 17 Oct 2019 19:04

Instrument :

MSVOA_X

ClientSampleId :

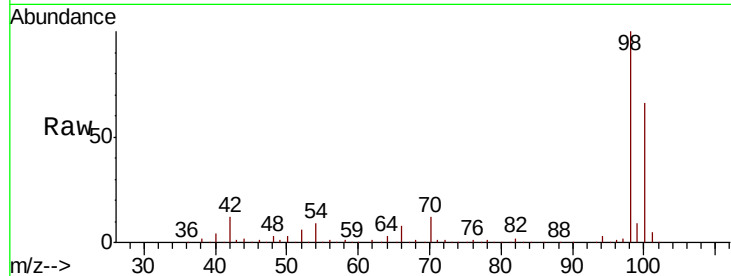
TB04-SRI4

Tot Ion: 43 Resp: 1452

Ion Ratio Lower Upper

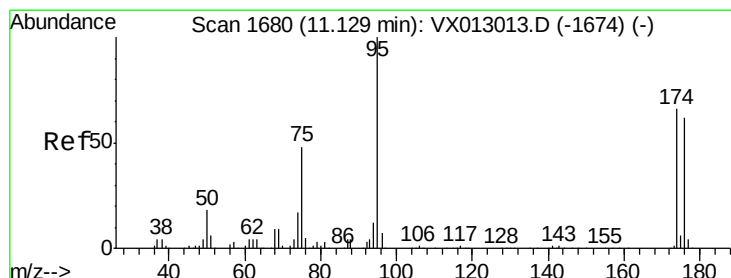
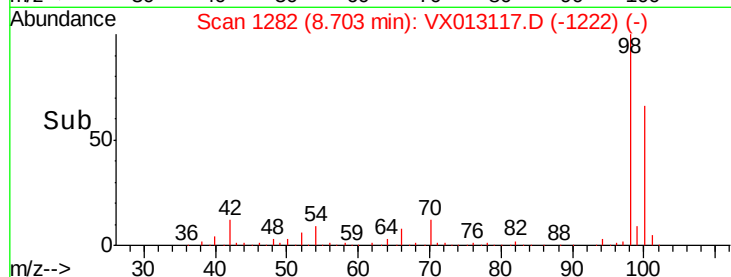
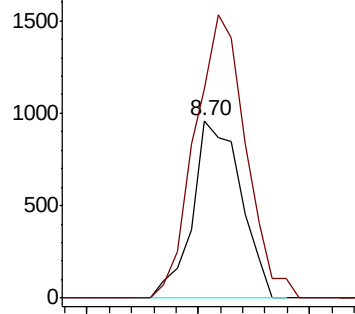
43 100

58 168.3 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 44.764 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013117.D

Acq: 17 Oct 2019 19:04

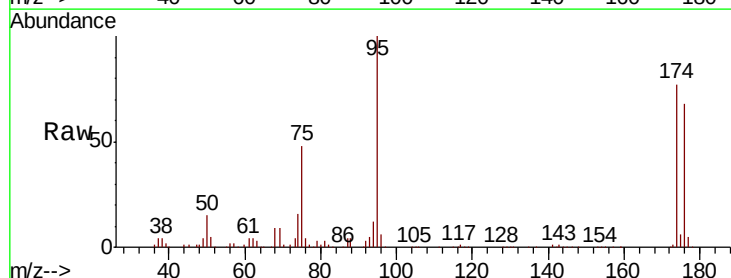
Tgt Ion: 95 Resp: 104352

Ion Ratio Lower Upper

95 100

174 75.0 0.0 143.4

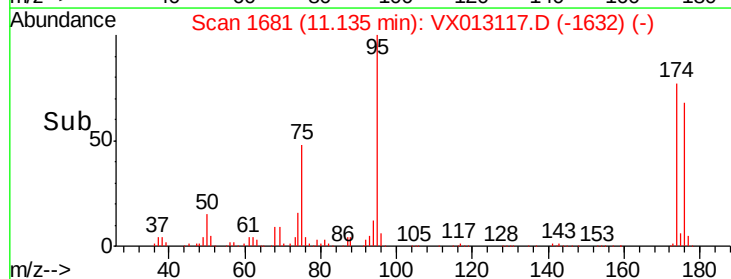
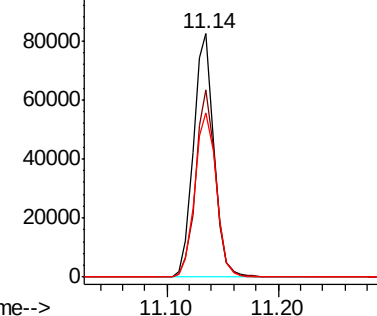
176 71.0 0.0 136.0

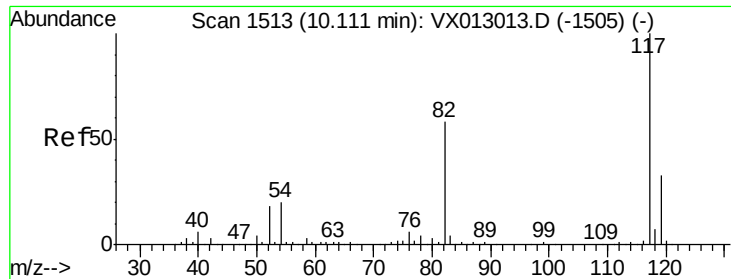


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

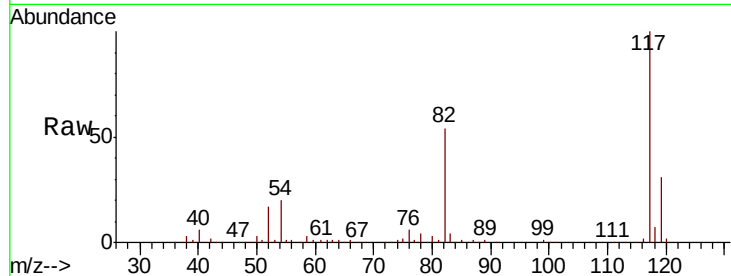




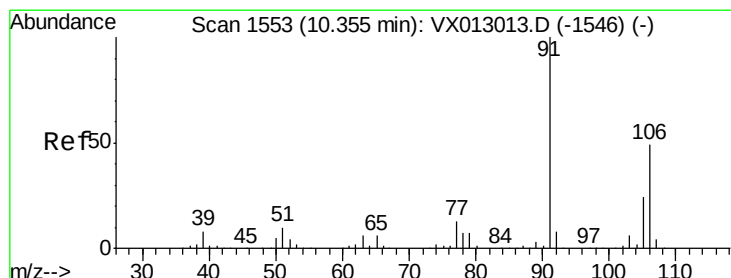
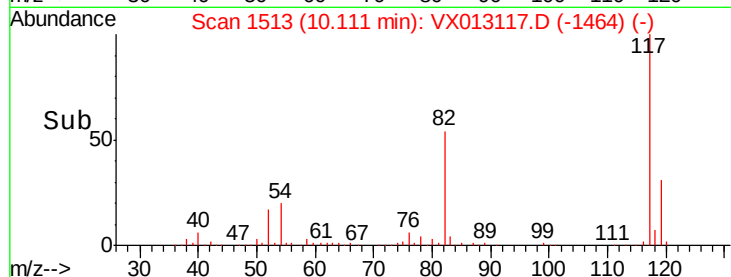
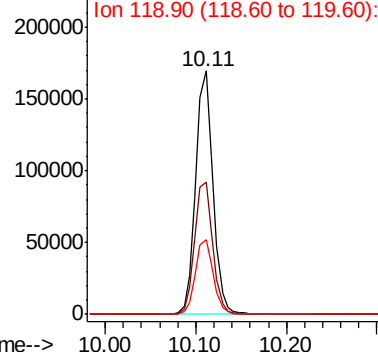
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013117.D
Acq: 17 Oct 2019 19:04

Instrument :
MSVOA_X
ClientSampled :
TB04-SRI4

Tot Ion:117 Resp: 227148
Ion Ratio Lower Upper
117 100
82 54.4 44.1 66.1
119 30.6 25.8 38.8

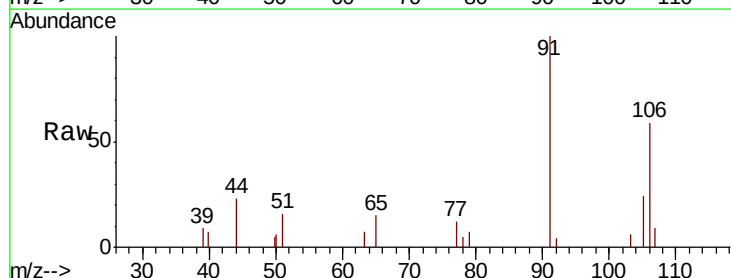


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

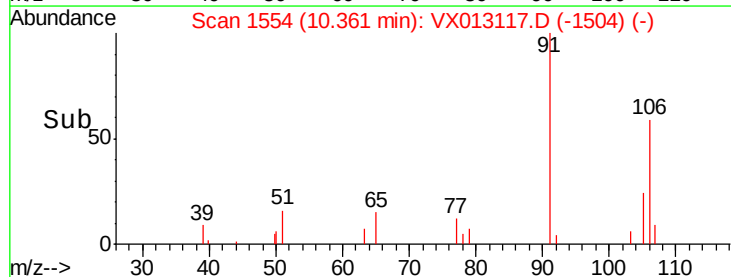
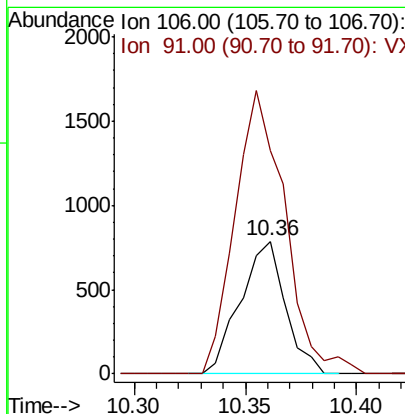


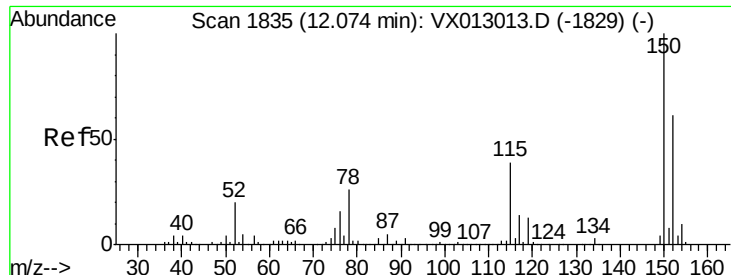
#68
m/p-Xylenes
Concen: 0.371 ug/l
RT: 10.36 min Scan# 1554
Delta R.T. 0.01 min
Lab File: VX013117.D
Acq: 17 Oct 2019 19:04

Tgt Ion:106 Resp: 1110
Ion Ratio Lower Upper
106 100
91 237.2 165.3 247.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013117.D

Acq: 17 Oct 2019 19:04

Instrument :

MSVOA_X

ClientSampleId :

TB04-SRI4

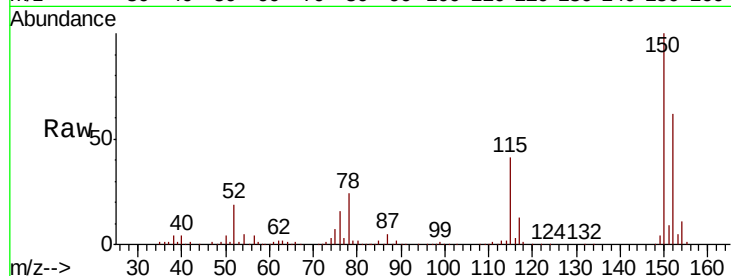
Tot Ion:152 Resp: 91501

Ion Ratio Lower Upper

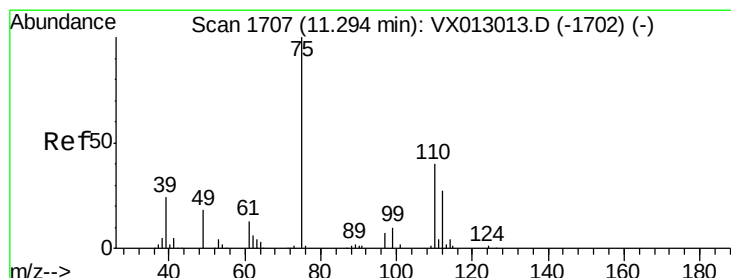
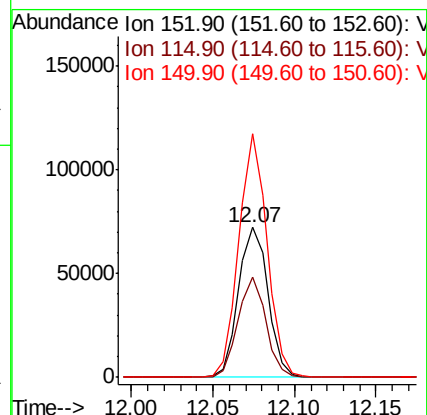
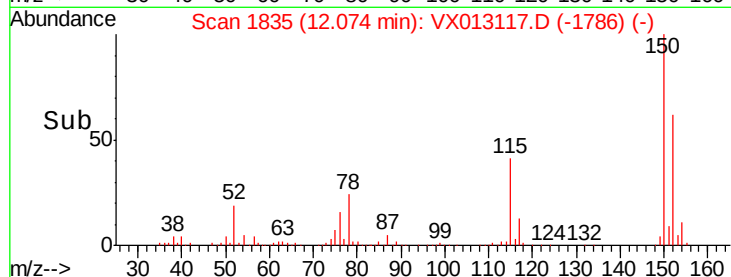
152 100

115 63.0 44.5 133.5

150 155.0 0.0 353.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 25.331 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX013117.D

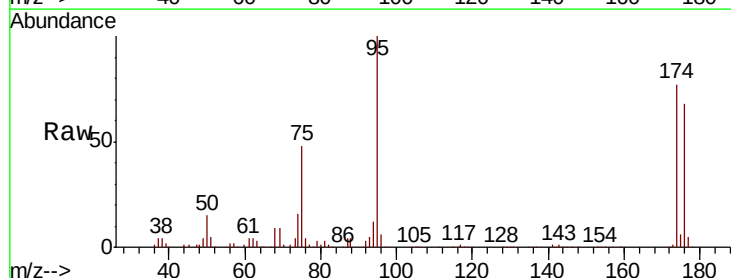
Acq: 17 Oct 2019 19:04

Tgt Ion: 75 Resp: 51408

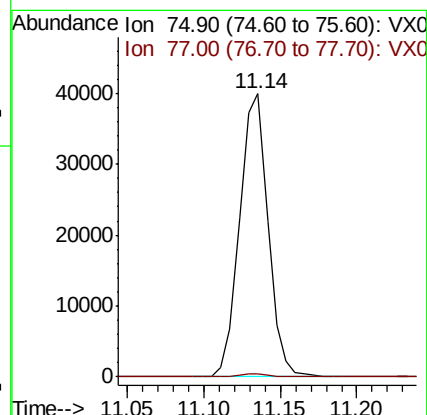
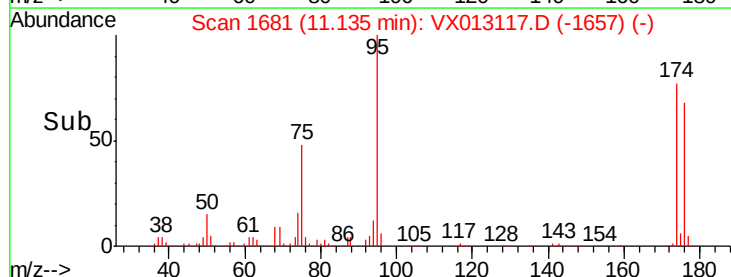
Ion Ratio Lower Upper

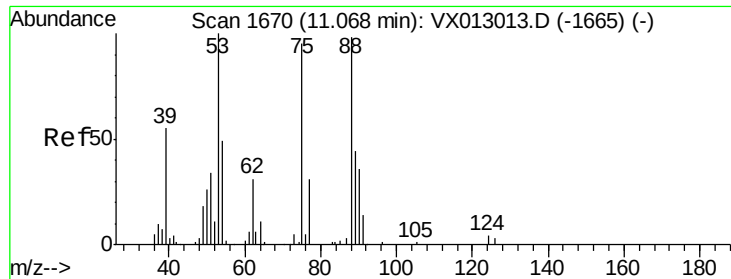
75 100

77 1.3 22.9 68.8#



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: 63.901 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013117.D

Acq: 17 Oct 2019 19:04

Instrument :

MSVOA_X

ClientSampleId :

TB04-SRI4

Tot Ion: 75 Resp: 51408

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

