

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101019\
 Data File : VX013013.D
 Acq On : 11 Oct 2019 06:20
 Operator : JC/SP
 Sample : K5312-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

Quant Time: Oct 11 08:26:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	179047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	293617	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	97781	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	113877	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
35) Dibromofluoromethane	5.48	113	87593	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
50) Toluene-d8	8.71	98	344830	52.46	ug/l	0.00
Spiked Amount			Recovery	=	104.92%	
62) 4-Bromofluorobenzene	11.13	95	118764	46.50	ug/l	0.00
Spiked Amount			Recovery	=	93.00%	

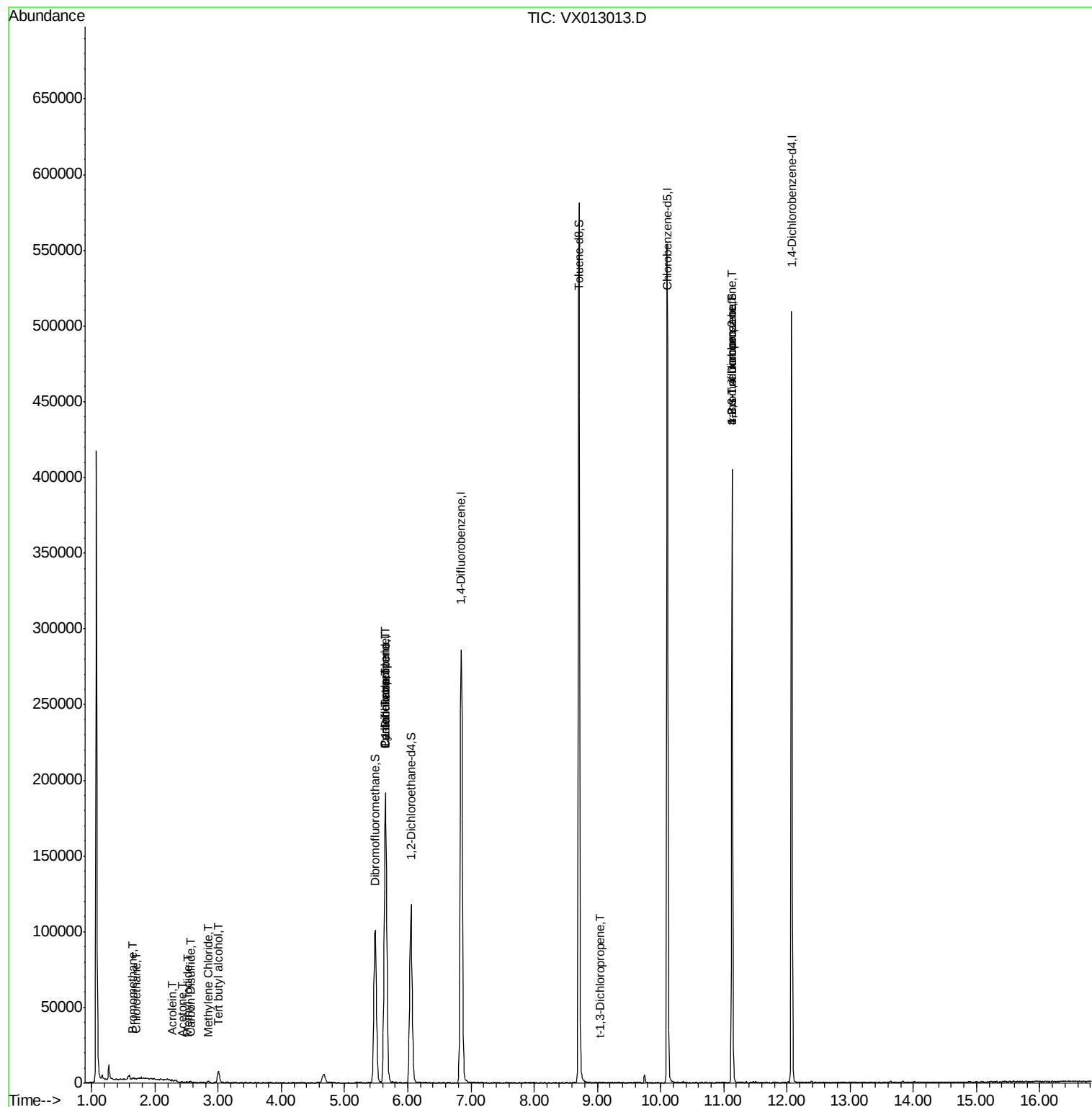
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	320	0.375	ug/l	94
6) Chloroethane	1.70	64	443	0.719	ug/l #	43
10) Methyl Iodide	2.52	142	575	5.336	ug/l #	96
11) Tert butyl alcohol	3.00	59	5143	8.669	ug/l #	72
13) Acrolein	2.28	56	88	0.209	ug/l #	11
16) Acetone	2.43	43	392	0.332	ug/l	93
17) Carbon Disulfide	2.56	76	1100	0.213	ug/l #	90
20) Methylene Chloride	2.84	84	567	0.262	ug/l #	58
31) Cyclohexane	5.64	56	4039	1.244	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	14418	5.585	ug/l #	51
38) Carbon Tetrachloride	5.64	117	17849	7.104	ug/l #	18
53) t-1,3-Dichloropropene	9.04	75	97	2.198	ug/l #	42
76) 1,2,3-Trichloropropane	11.13	75	59251	27.320	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	59251	68.599	ug/l #	10

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

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Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX013013.D

Acq: 11 Oct 2019 06:20

Instrument :

MSVOA_X

ClientSampleId :

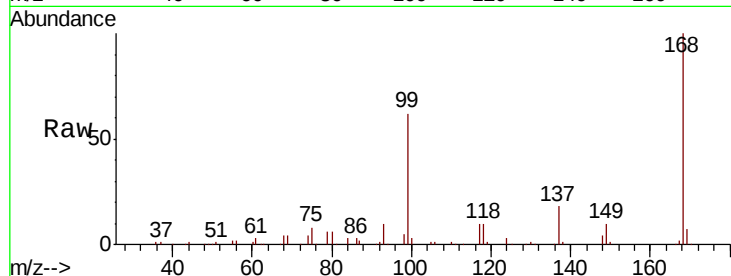
VX1011WBS01

Tot Ion:168 Resp: 179047

Ion Ratio Lower Upper

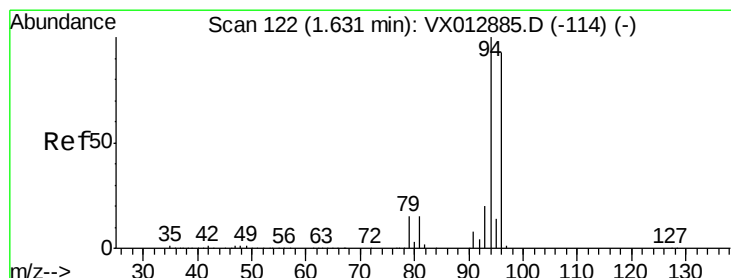
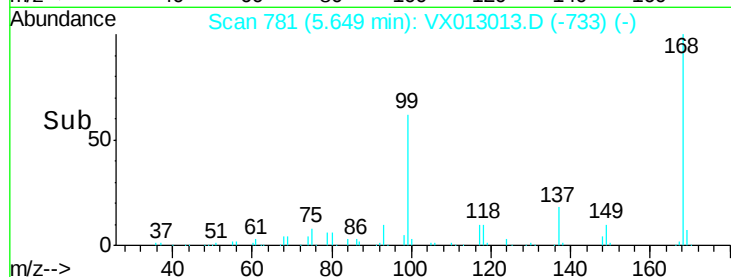
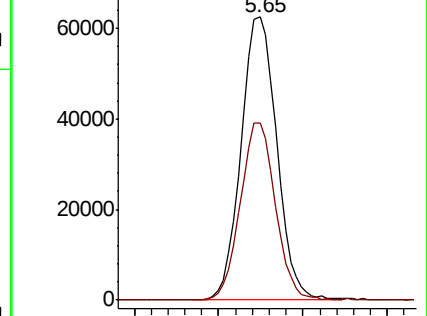
168 100

99 62.4 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.375 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013013.D

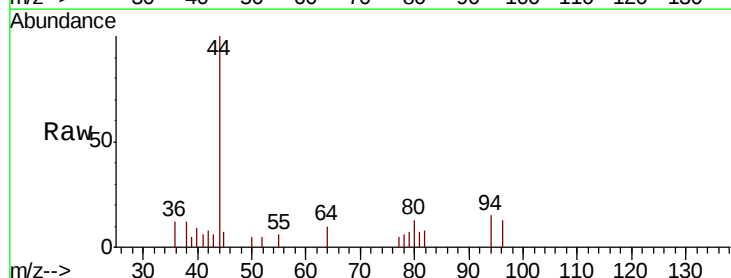
Acq: 11 Oct 2019 06:20

Tgt Ion: 94 Resp: 320

Ion Ratio Lower Upper

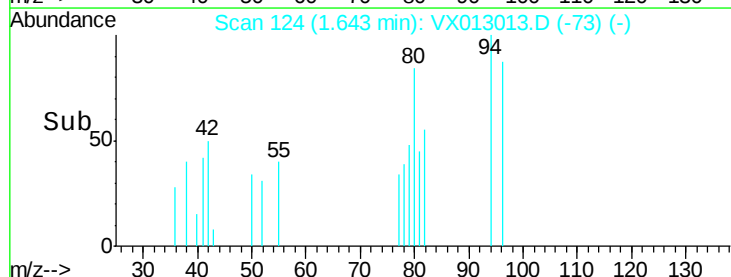
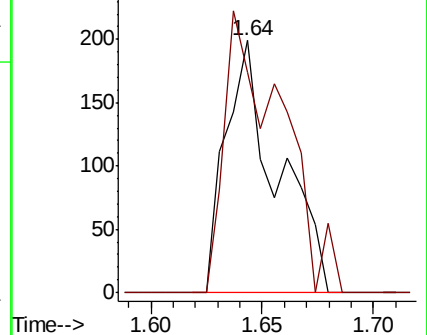
94 100

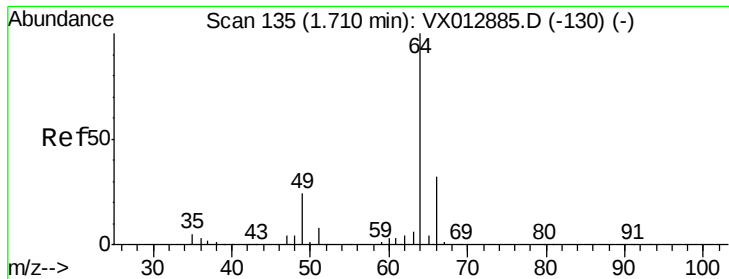
96 87.4 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.719 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX013013.D

Acq: 11 Oct 2019 06:20

Instrument :

MSVOA_X

ClientSampled :

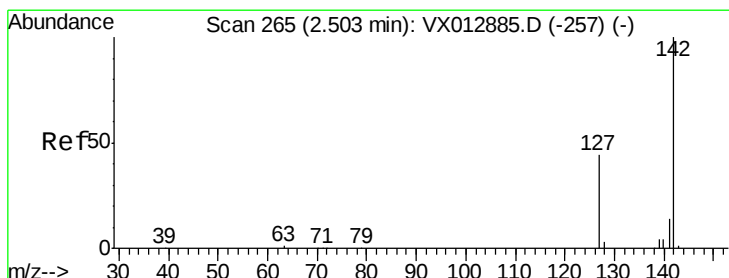
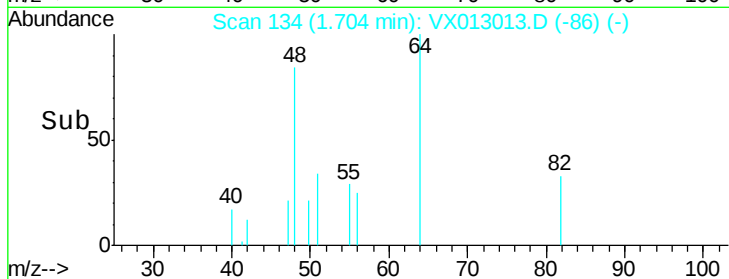
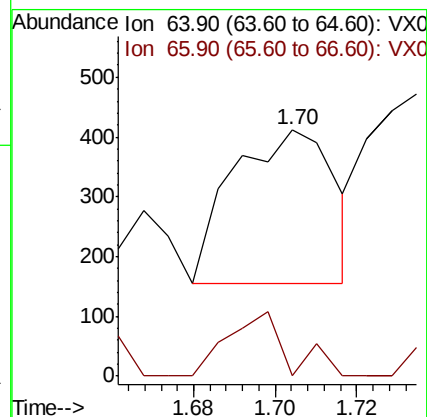
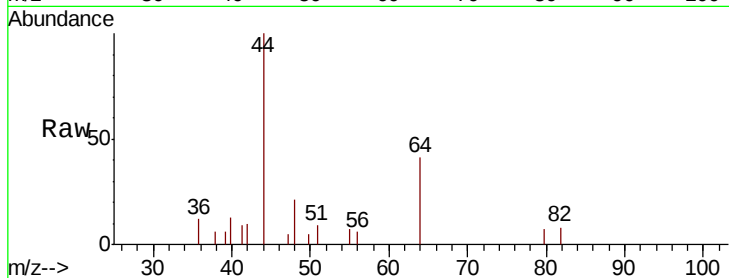
VX1011WBS01

Tot Ion: 64 Resp: 443

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



#10

Methyl Iodide

Concen: 5.336 ug/l

RT: 2.52 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX013013.D

Acq: 11 Oct 2019 06:20

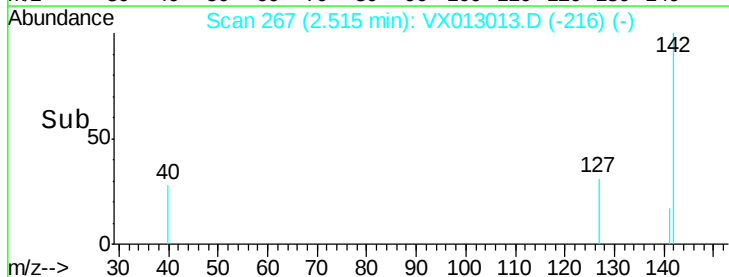
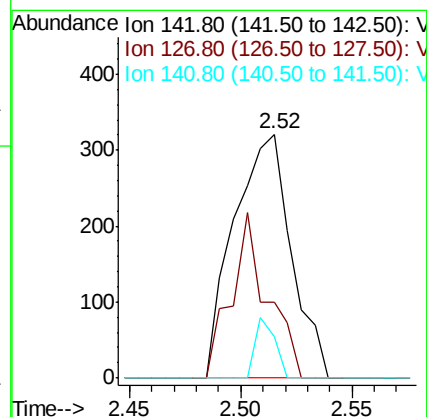
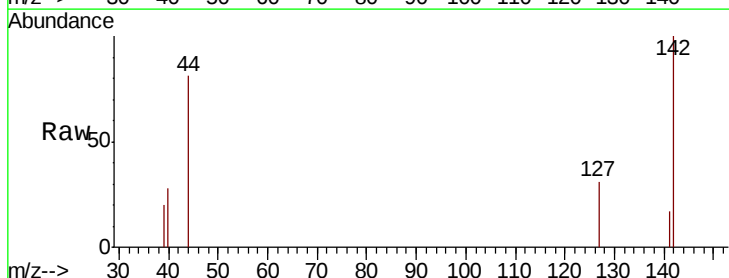
Tgt Ion: 142 Resp: 575

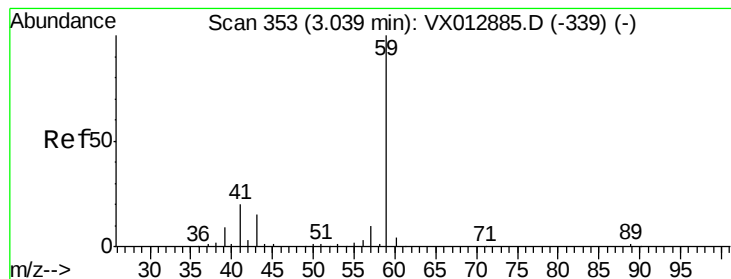
Ion Ratio Lower Upper

142 100

127 43.0 34.9 52.3

141 8.5 11.6 17.4#



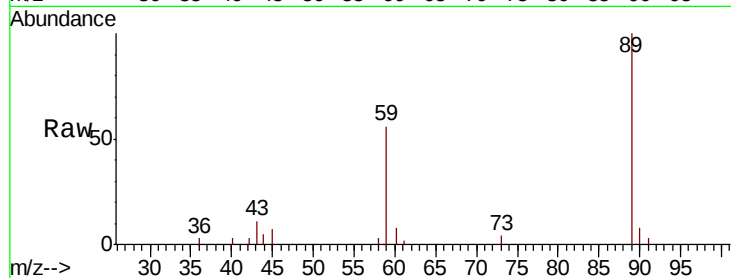


#11

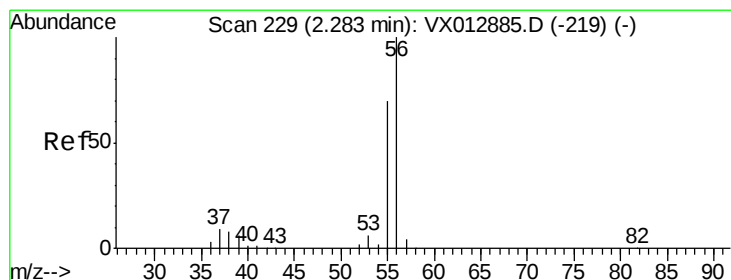
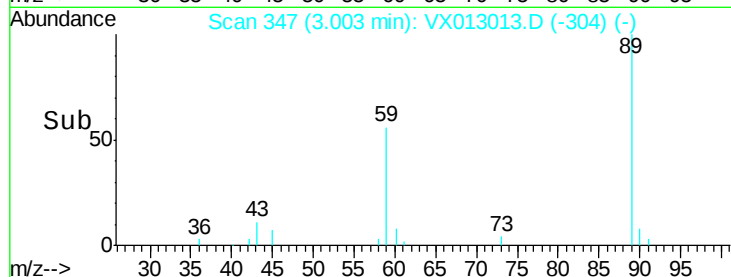
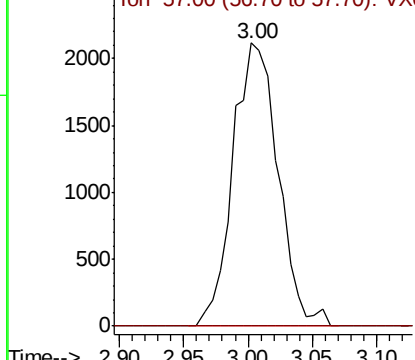
Tert butyl alcohol
 Concen: 8.669 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.04 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 06:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

Tot Ion: 59 Resp: 5143
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



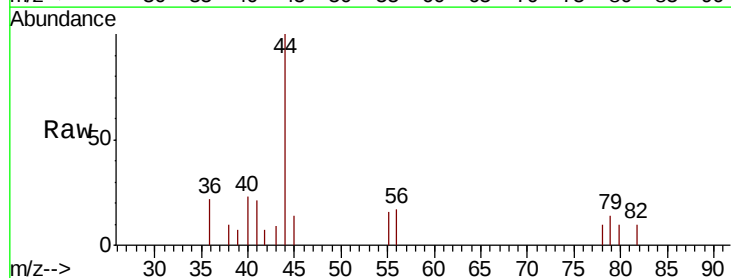
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



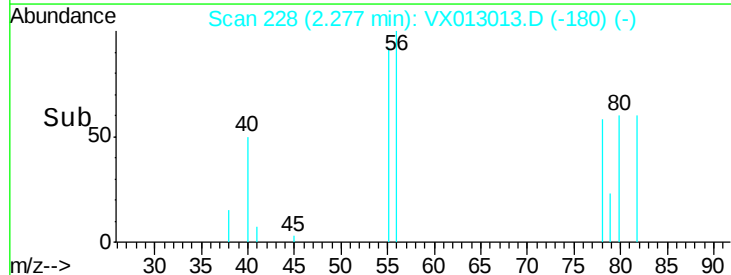
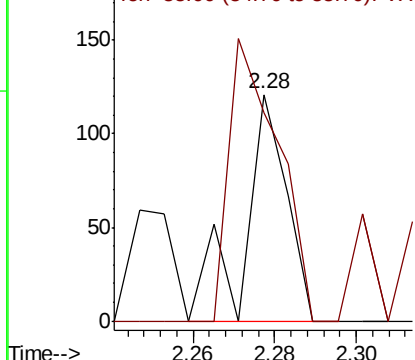
#13

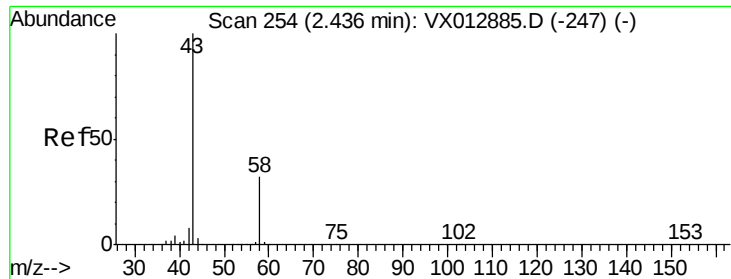
Acrolein
 Concen: 0.209 ug/l
 RT: 2.28 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 06:20

Tgt Ion: 56 Resp: 88
 Ion Ratio Lower Upper
 56 100
 55 144.3 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.332 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013013.D

Acq: 11 Oct 2019 06:20

Instrument :

MSVOA_X

ClientSampleId :

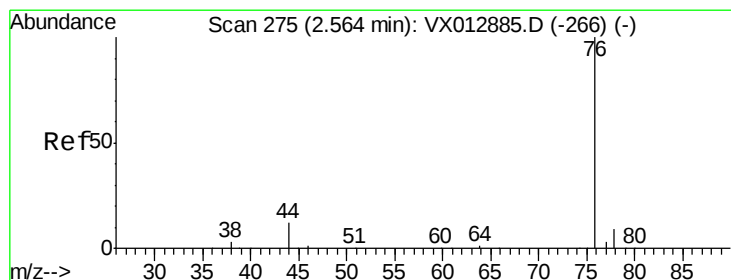
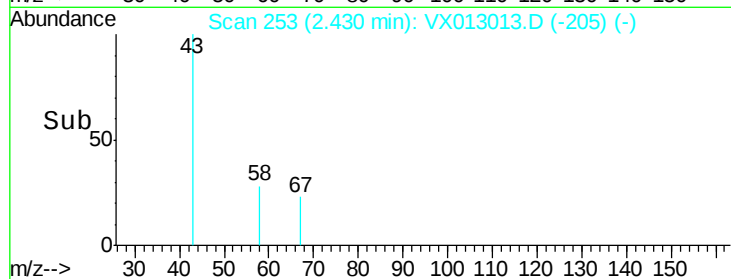
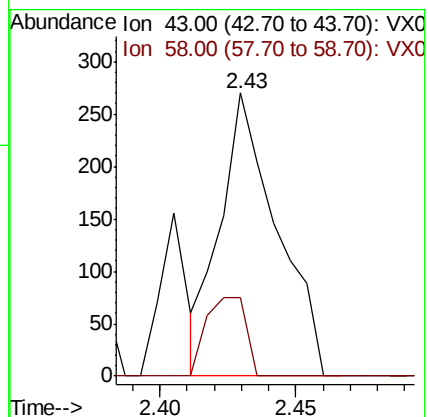
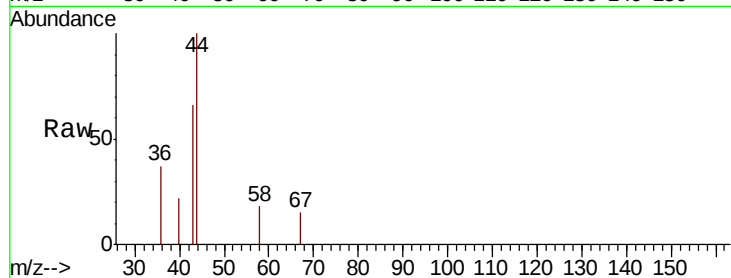
VX1011WBS01

Tot Ion: 43 Resp: 392

Ion Ratio Lower Upper

43 100

58 27.8 25.4 38.2



#17

Carbon Disulfide

Concen: 0.213 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX013013.D

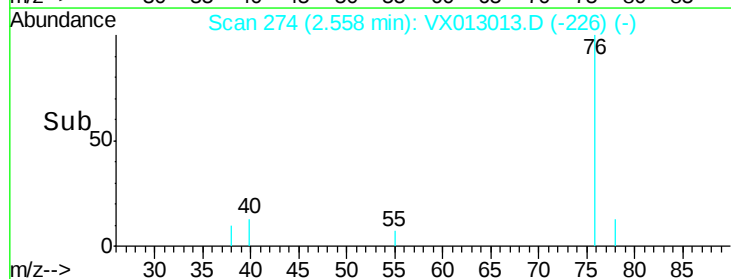
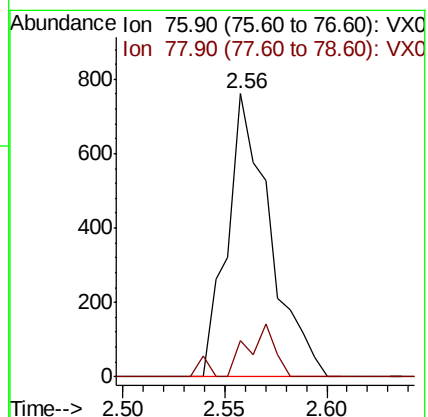
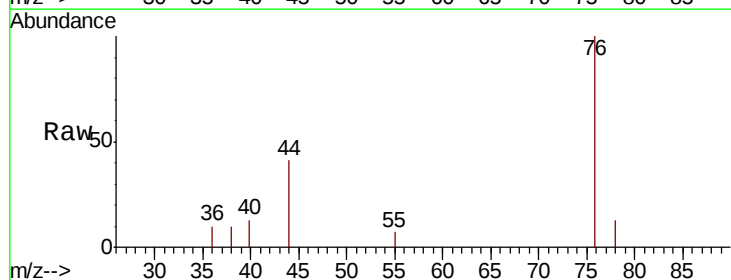
Acq: 11 Oct 2019 06:20

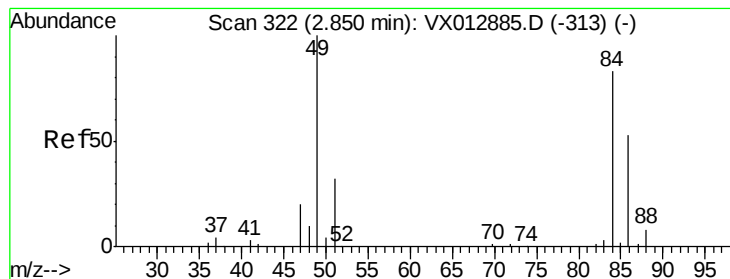
Tgt Ion: 76 Resp: 1100

Ion Ratio Lower Upper

76 100

78 12.6 7.1 10.7#





#20

Methylene Chloride

Concen: 0.262 ug/l

RT: 2.84 min Scan# 320

Delta R.T. -0.01 min

Lab File: VX013013.D

Acq: 11 Oct 2019 06:20

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

Tot Ion: 84 Resp: 567

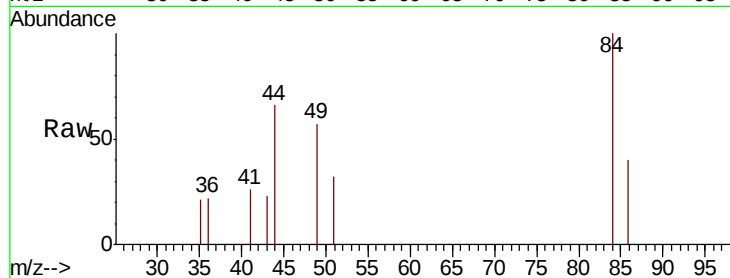
Ion Ratio Lower Upper

84 100

49 56.5 96.6 144.8#

51 31.7 30.7 46.1

86 39.9 51.0 76.6#



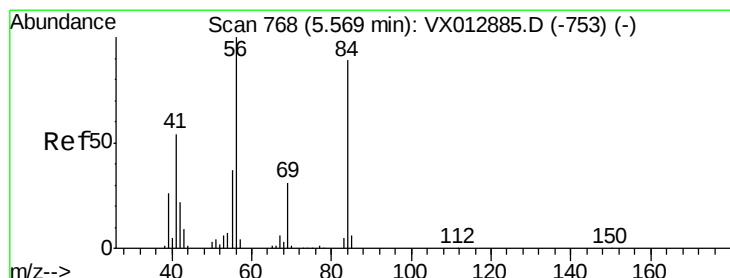
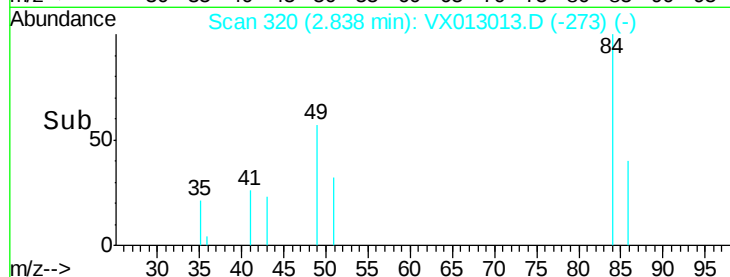
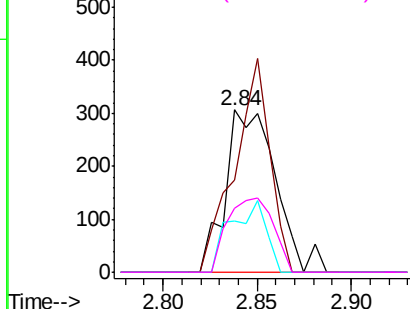
Abundance

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: 1.244 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.07 min

Lab File: VX013013.D

Acq: 11 Oct 2019 06:20

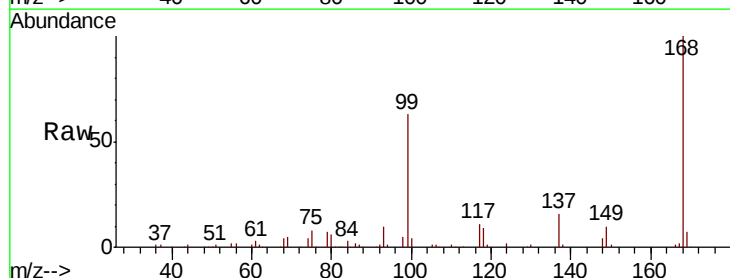
Tgt Ion: 56 Resp: 4039

Ion Ratio Lower Upper

56 100

69 194.5 25.2 37.8#

84 143.1 71.3 106.9#

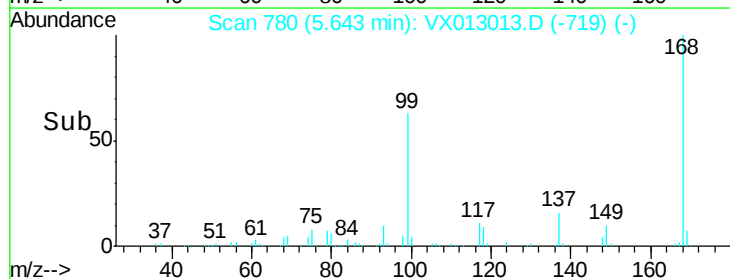
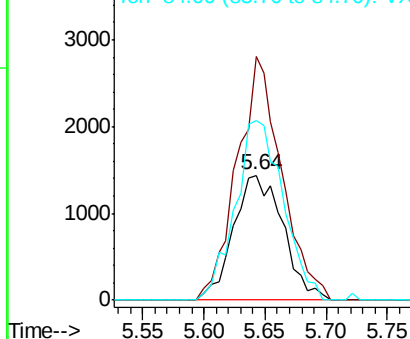


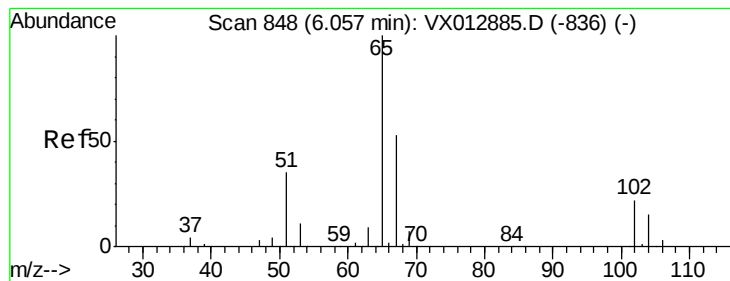
Abundance

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: 50.887 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX013013.D

Acq: 11 Oct 2019 06:20

Instrument :

MSVOA_X

ClientSampleId :

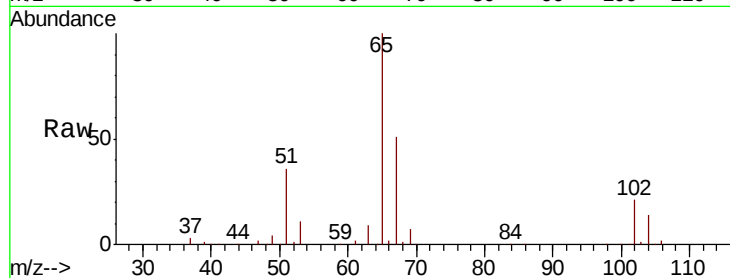
VX1011WBS01

Tot Ion: 65 Resp: 113877

Ion Ratio Lower Upper

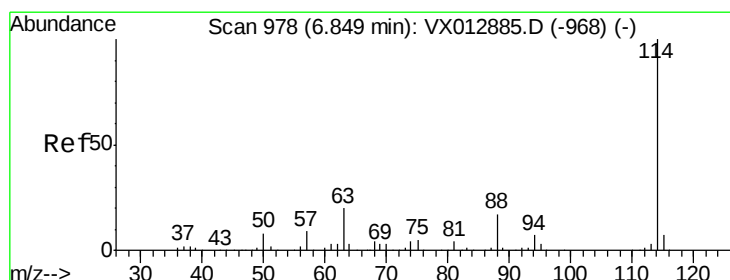
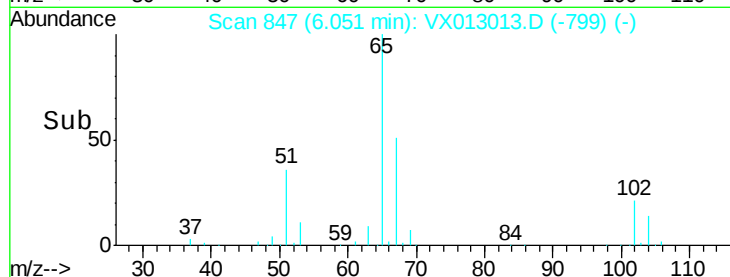
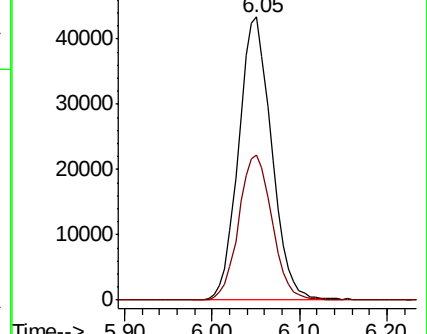
65 100

67 51.9 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: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013013.D

Acq: 11 Oct 2019 06:20

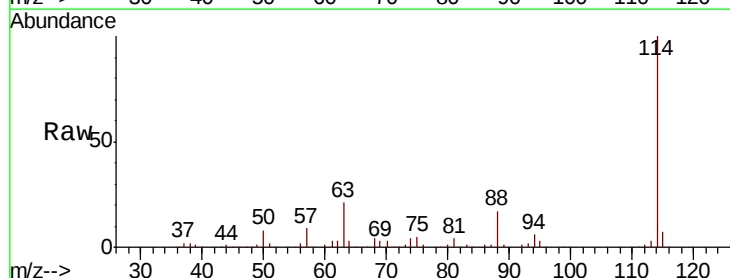
Tgt Ion: 114 Resp: 293617

Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

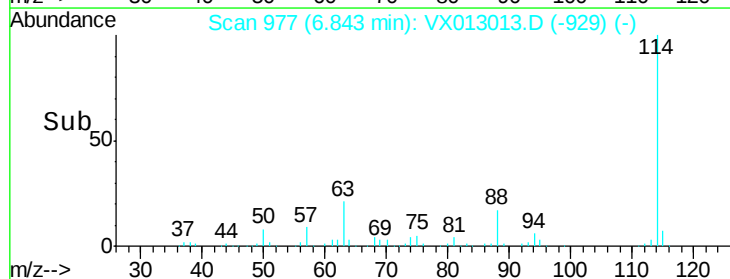
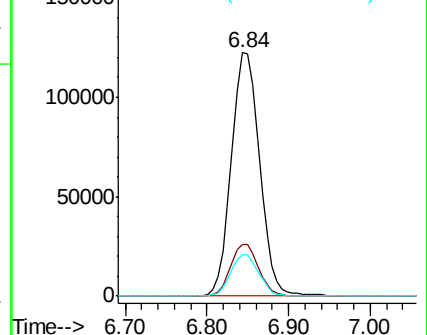
88 17.0 0.0 33.8

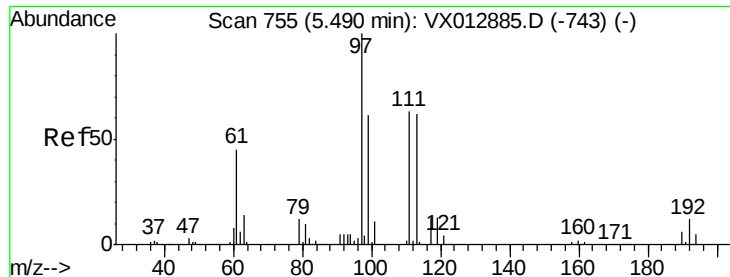


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

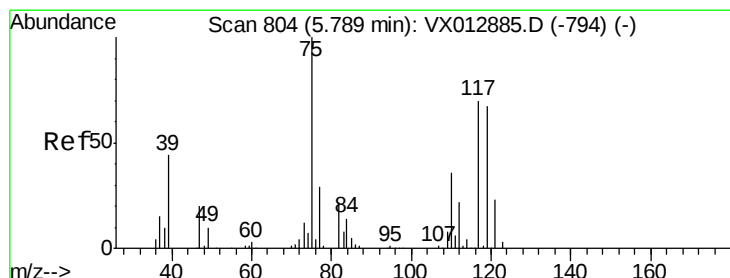
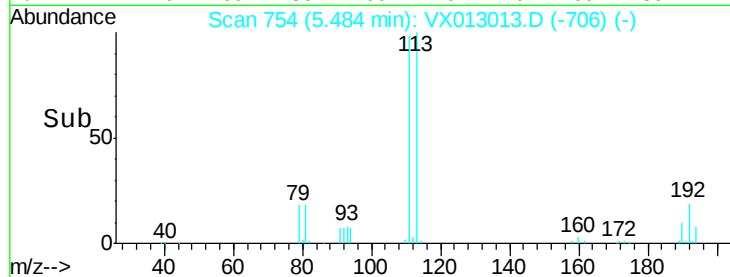
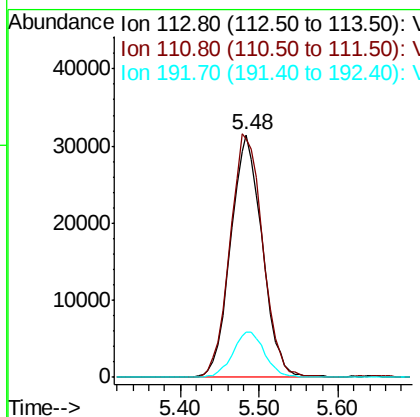
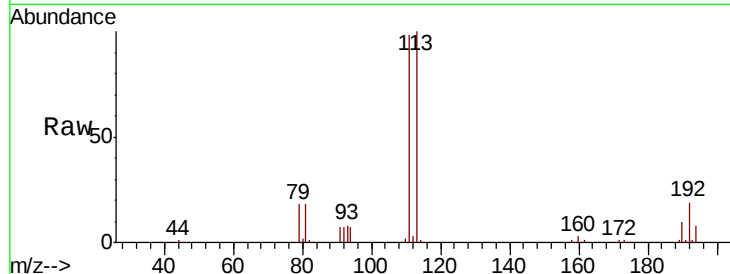




#35
 Dibromofluoromethane
 Concen: 51.978 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 06:20

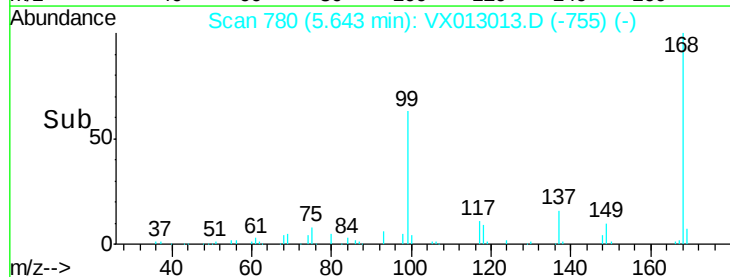
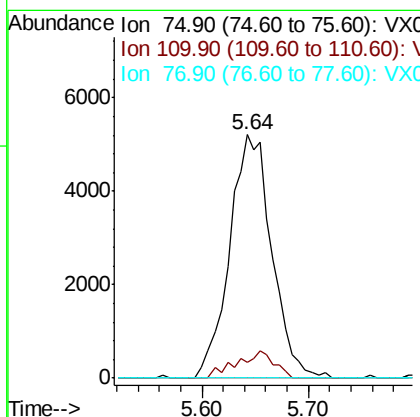
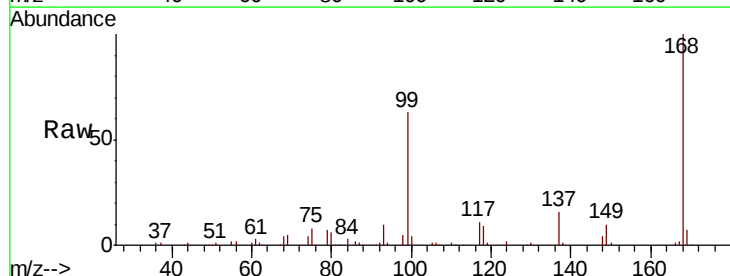
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

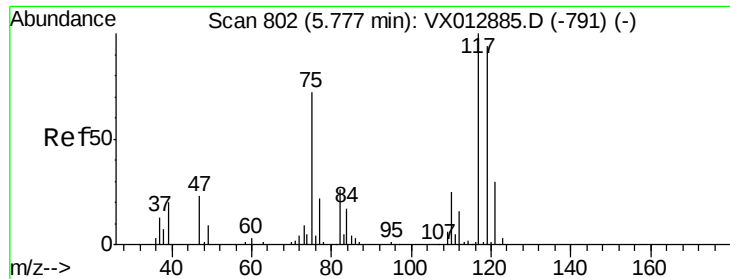
Tot Ion:113 Resp: 87593
 Ion Ratio Lower Upper
 113 100
 111 103.9 83.2 124.8
 192 18.9 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.585 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 06:20

Tgt Ion: 75 Resp: 14418
 Ion Ratio Lower Upper
 75 100
 110 9.9 17.6 52.9#
 77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 7.104 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX013013.D

Acq: 11 Oct 2019 06:20

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

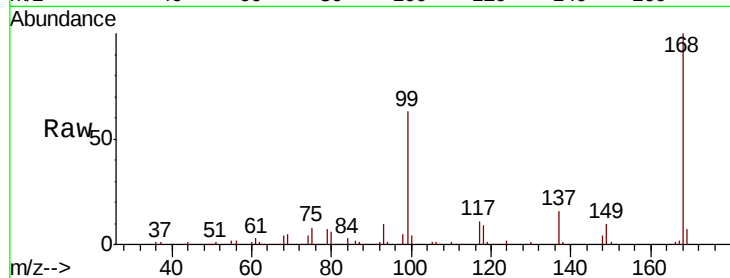
Tot Ion:117 Resp: 17849

Ion Ratio Lower Upper

117 100

119 5.6 74.5 111.7#

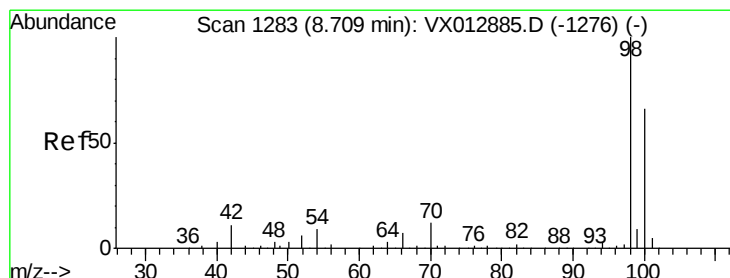
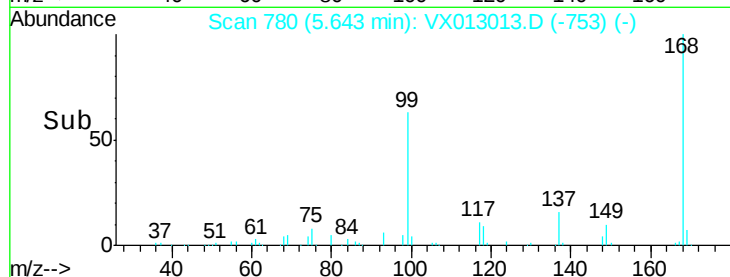
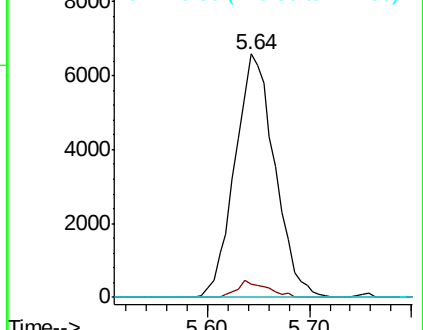
121 0.0 24.2 36.4#



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: 52.464 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013013.D

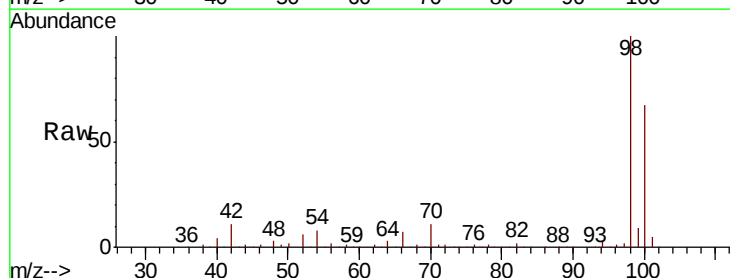
Acq: 11 Oct 2019 06:20

Tgt Ion: 98 Resp: 344830

Ion Ratio Lower Upper

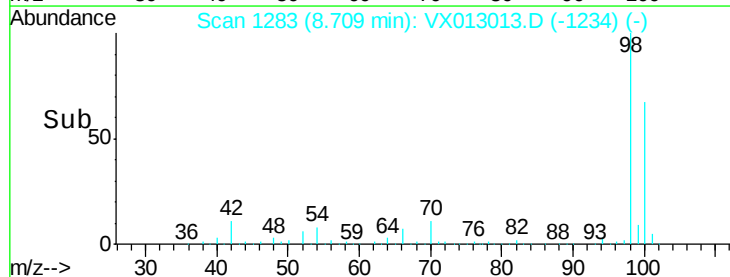
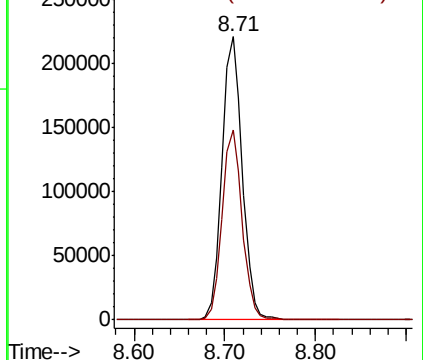
98 100

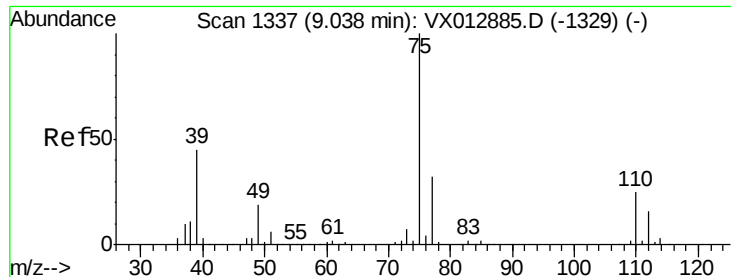
100 66.7 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

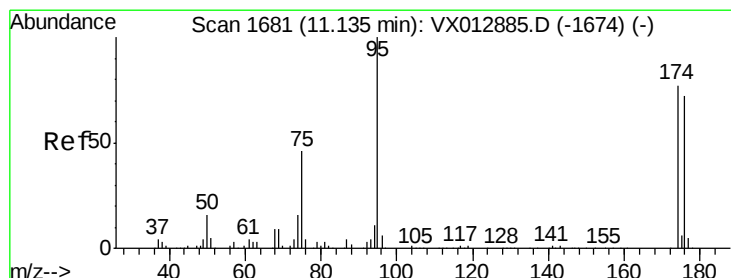
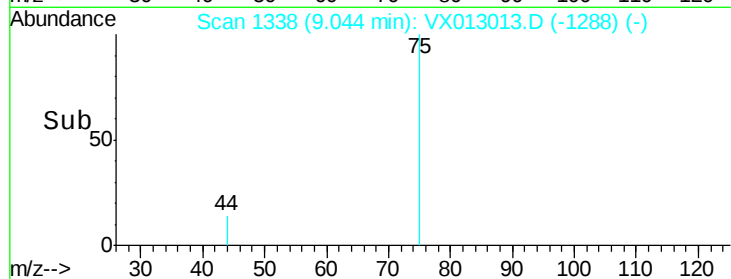
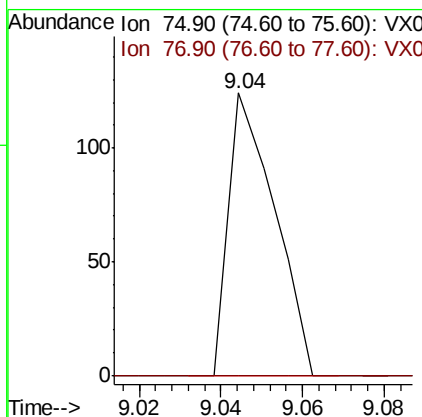
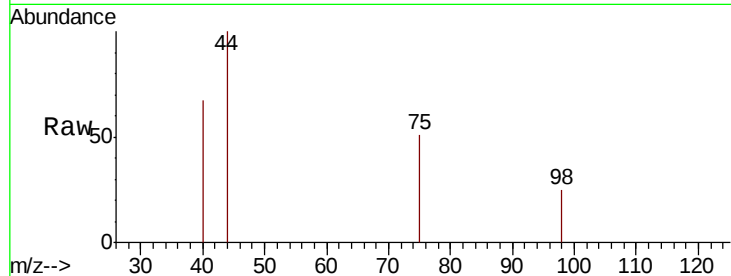




#53
t-1,3-Dichloropropene
Concen: 2.198 ug/l
RT: 9.04 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VX013013.D
Acq: 11 Oct 2019 06:20

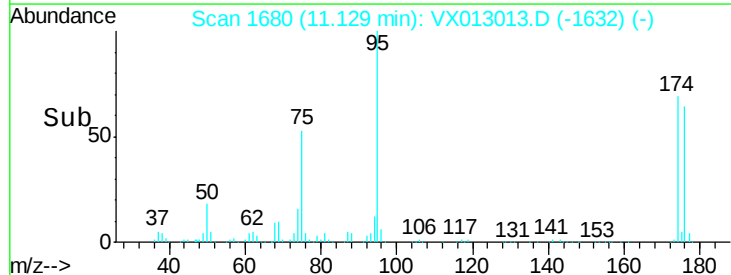
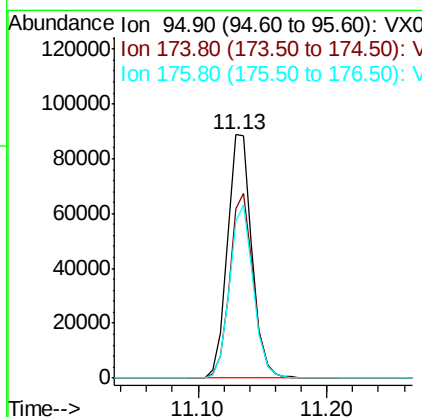
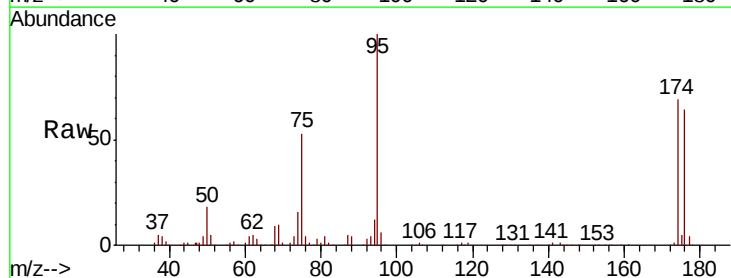
Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

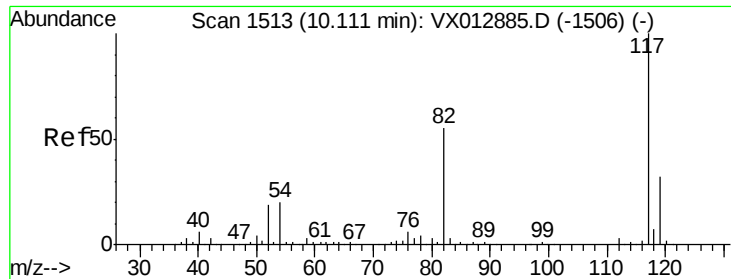
Tot Ion: 75 Resp: 97
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#



#62
4-Bromofluorobenzene
Concen: 46.503 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013013.D
Acq: 11 Oct 2019 06:20

Tgt Ion: 95 Resp: 118764
Ion Ratio Lower Upper
95 100
174 73.2 0.0 143.4
176 68.9 0.0 136.0

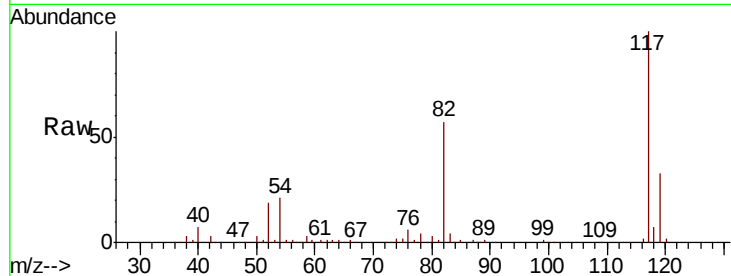




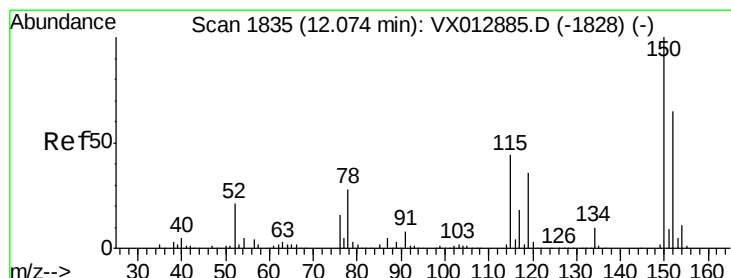
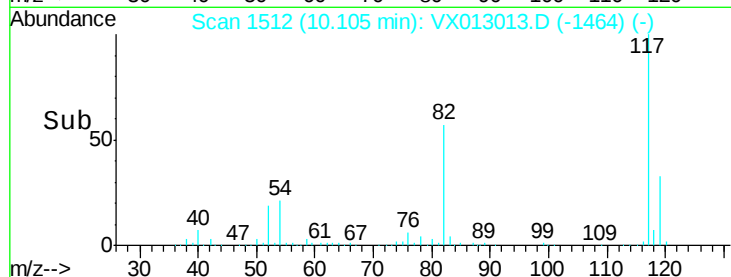
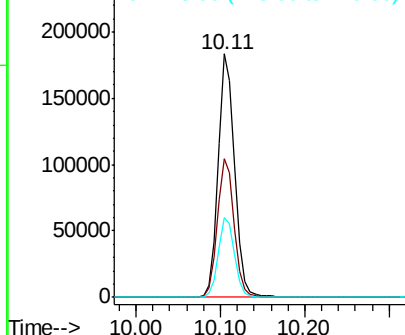
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013013.D
Acq: 11 Oct 2019 06:20

Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

Tot Ion:117 Resp: 248658
Ion Ratio Lower Upper
117 100
82 57.2 44.1 66.1
119 32.5 25.8 38.8

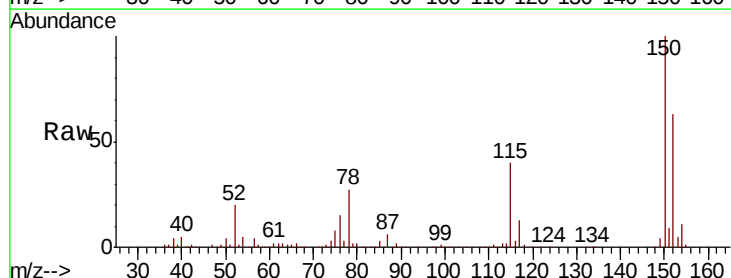


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

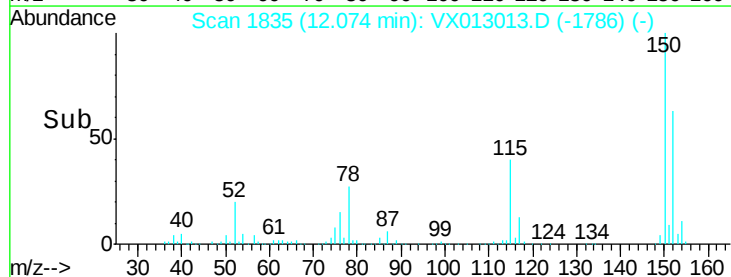
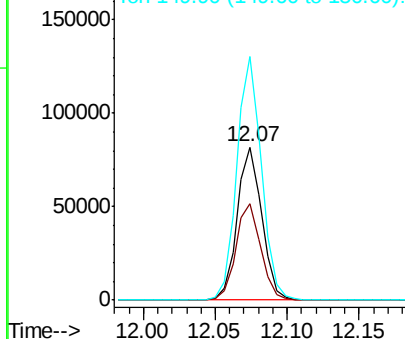


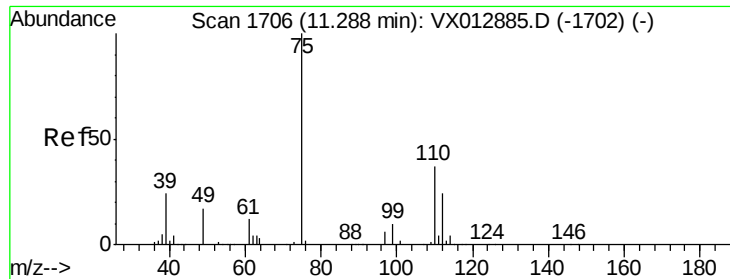
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 06:20

Tgt Ion:152 Resp: 97781
Ion Ratio Lower Upper
152 100
115 64.0 44.5 133.5
150 158.8 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

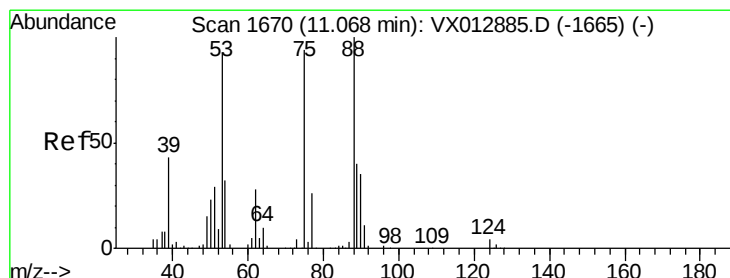
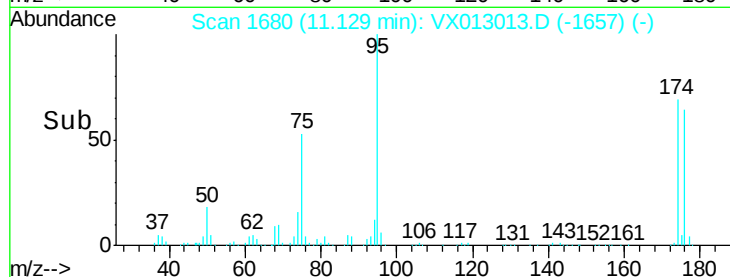
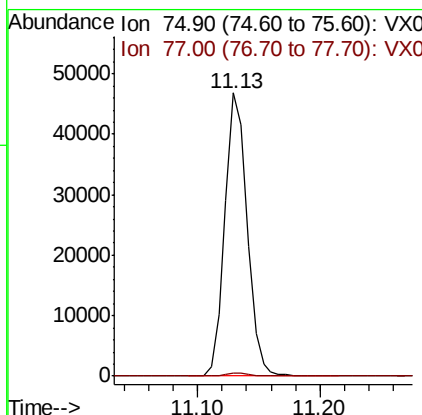
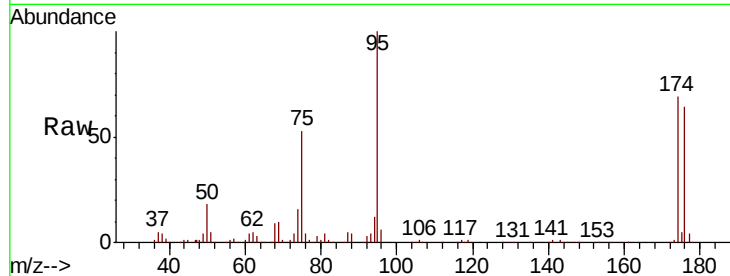




#76
 1,2,3-Trichloropropane
 Concen: 27.320 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 06:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

Tot Ion: 75 Resp: 59251
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.9 68.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.599 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 06:20

Tgt Ion: 75 Resp: 59251
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.1 37.4 56.2#

