

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101819\
 Data File : VX013140.D
 Acq On : 18 Oct 2019 20:14
 Operator : JC/SP
 Sample : K5451-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JPZ0340

Quant Time: Oct 19 00:00:25 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	159734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	254289	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	211865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	75639	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	98518	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
35) Dibromofluoromethane	5.49	113	76731	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
50) Toluene-d8	8.71	98	293208	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
62) 4-Bromofluorobenzene	11.14	95	95629	43.24	ug/l	0.00
Spiked Amount			Recovery	=	86.48%	

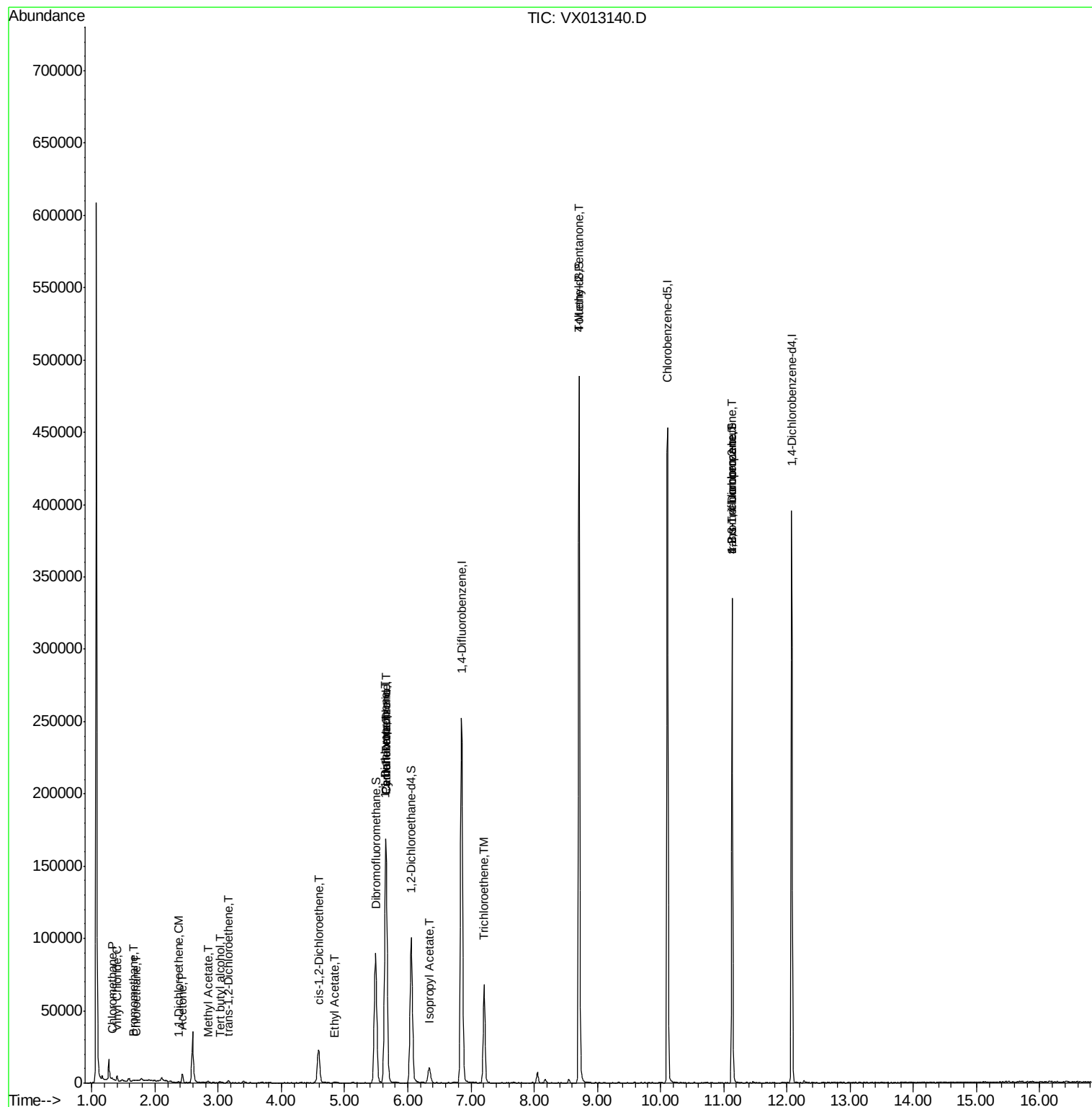
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	735	0.415	ug/l	96
4) Vinyl Chloride	1.40	62	1028	0.562	ug/l	93
5) Bromomethane	1.65	94	323	0.425	ug/l #	3
6) Chloroethane	1.70	64	542	0.849	ug/l #	43
11) Tert butyl alcohol	3.03	59	957	1.808	ug/l #	72
12) 1,1-Dichloroethene	2.37	96	332	0.206	ug/l #	72
16) Acetone	2.43	43	6571	6.244	ug/l	96
18) Methyl Acetate	2.84	43	856	0.343	ug/l #	51
21) trans-1,2-Dichloroethene	3.16	96	677	0.391	ug/l	87
27) cis-1,2-Dichloroethene	4.59	96	14978	7.510	ug/l	89
31) Cyclohexane	5.65	56	3385	1.168	ug/l #	7
36) 1,1-Dichloropropene	5.64	75	11749	5.255	ug/l #	51
37) Ethyl Acetate	4.84	43	1013	0.405	ug/l #	67
38) Carbon Tetrachloride	5.66	117	16306	7.493	ug/l #	15
43) Isopropyl Acetate	6.34	43	2437	0.607	ug/l #	60
44) Trichloroethene	7.20	130	27346	14.934	ug/l	99
51) 4-Methyl-2-Pentanone	8.71	43	1411	0.564	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	46906	27.959	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	46906	70.108	ug/l #	10

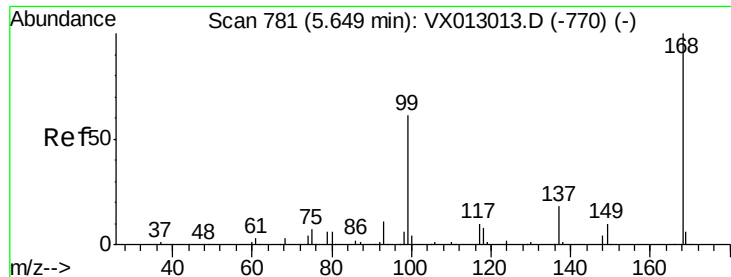
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX013140.D

Acq: 18 Oct 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

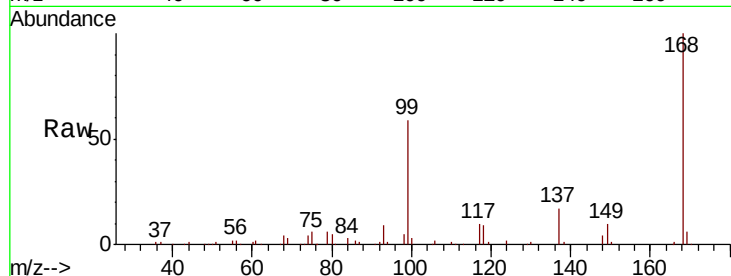
FA19-JPZ0340

Tot Ion:168 Resp: 159734

Ion Ratio Lower Upper

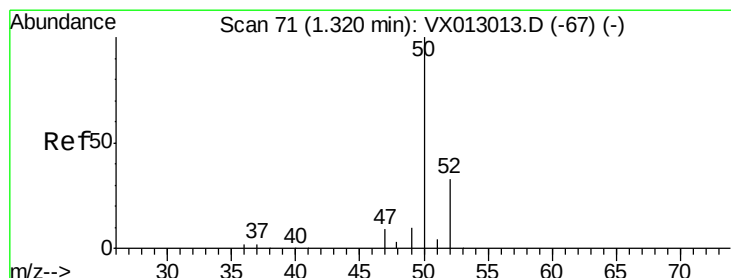
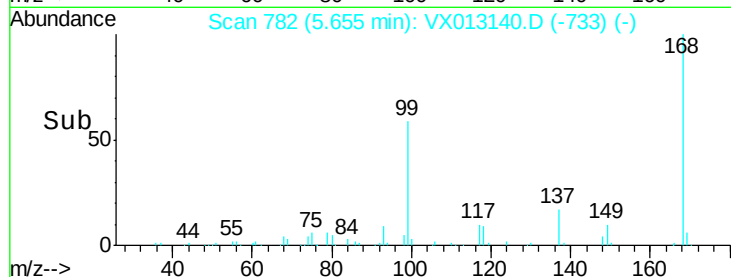
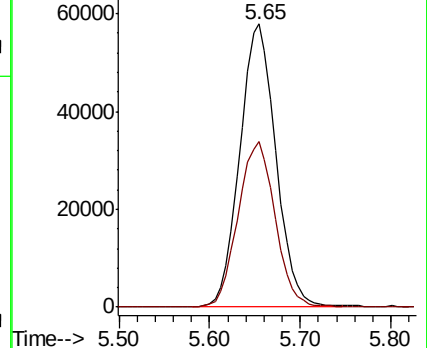
168 100

99 58.7 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.415 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013140.D

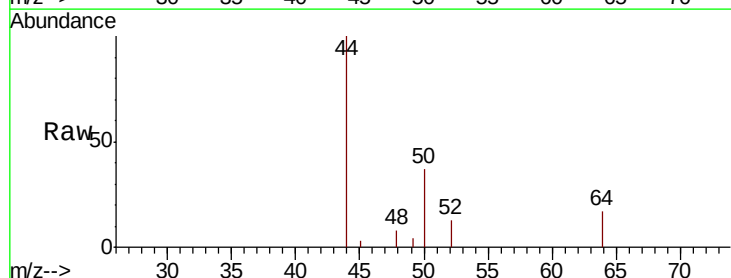
Acq: 18 Oct 2019 20:14

Tgt Ion: 50 Resp: 735

Ion Ratio Lower Upper

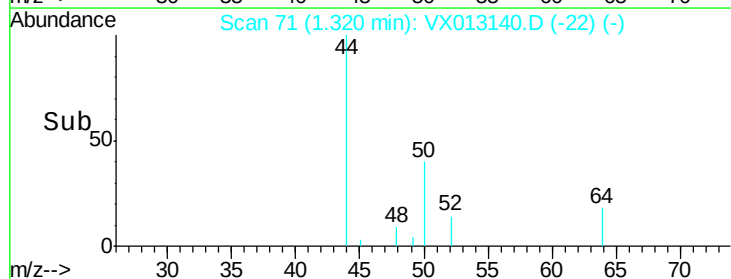
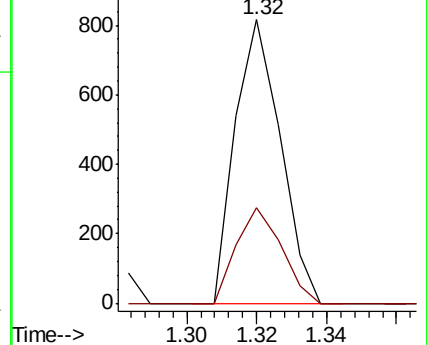
50 100

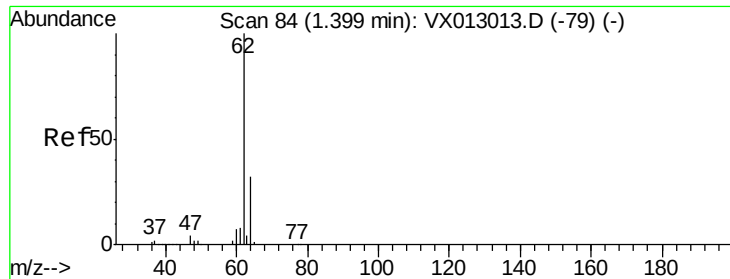
52 33.7 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.562 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013140.D

Acq: 18 Oct 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

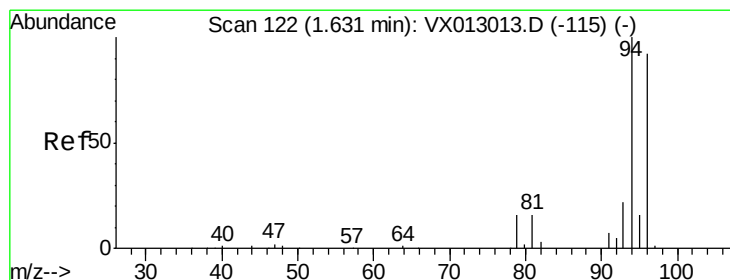
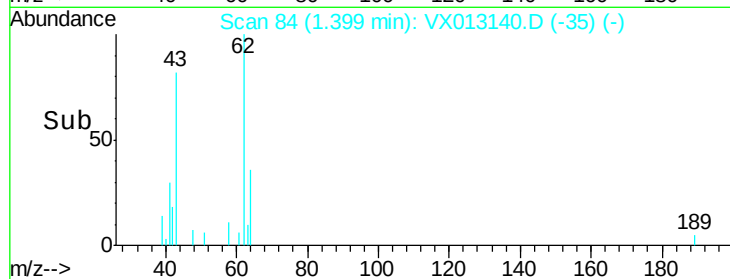
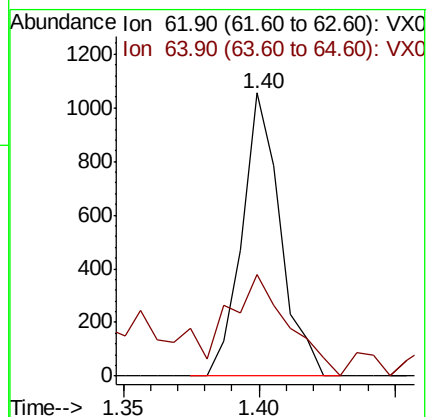
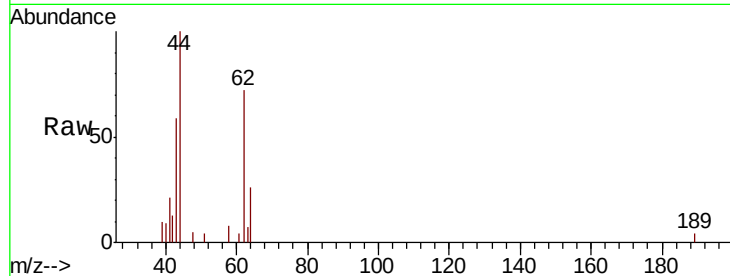
FA19-JPZ0340

Tot Ion: 62 Resp: 1028

Ion Ratio Lower Upper

62 100

64 35.7 25.3 37.9



#5

Bromomethane

Concen: 0.425 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX013140.D

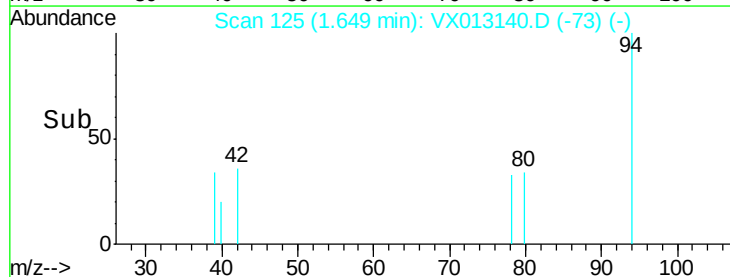
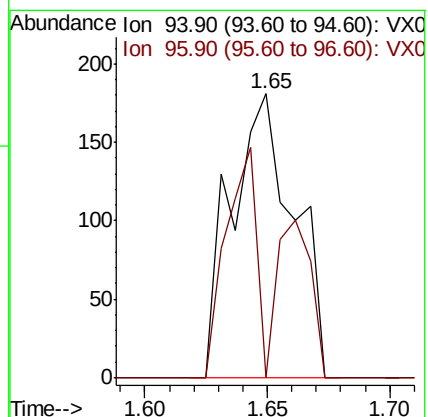
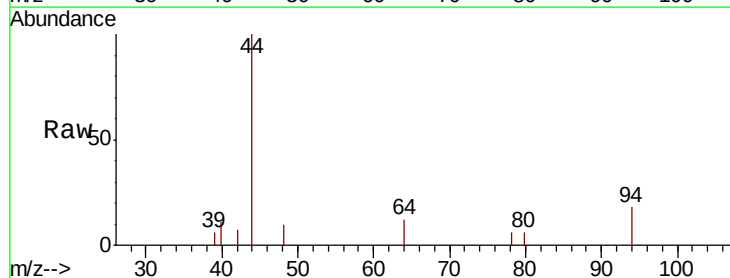
Acq: 18 Oct 2019 20:14

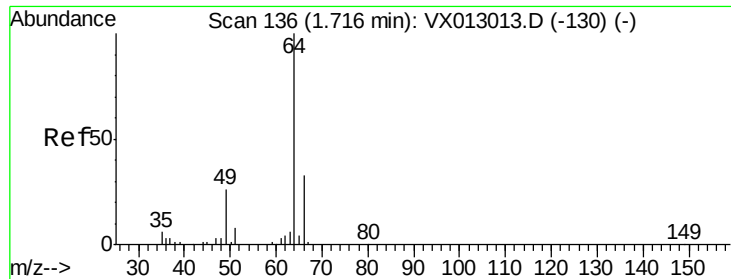
Tgt Ion: 94 Resp: 323

Ion Ratio Lower Upper

94 100

96 0.0 74.7 112.1#





#6

Chloroethane

Concen: 0.849 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX013140.D

Acq: 18 Oct 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

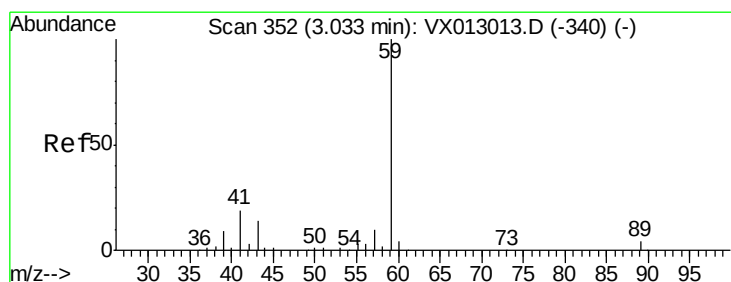
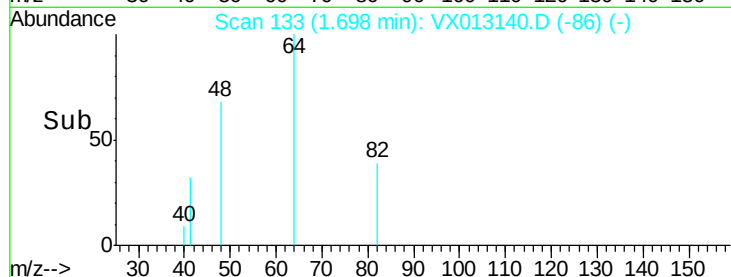
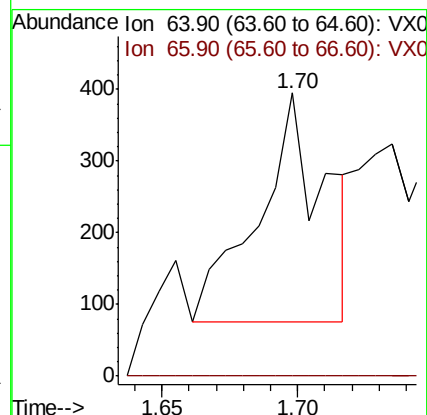
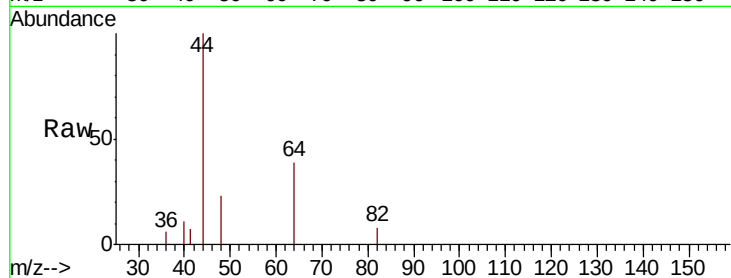
FA19-JPZ0340

Tot Ion: 64 Resp: 542

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



#11

Tert butyl alcohol

Concen: 1.808 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX013140.D

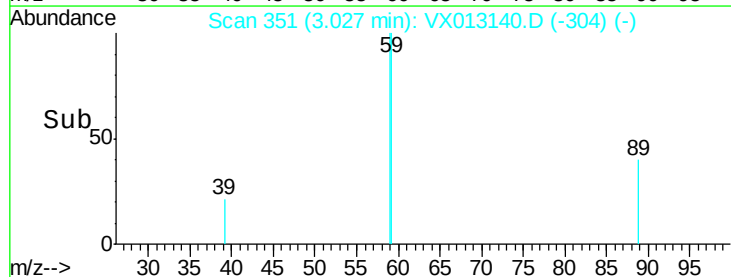
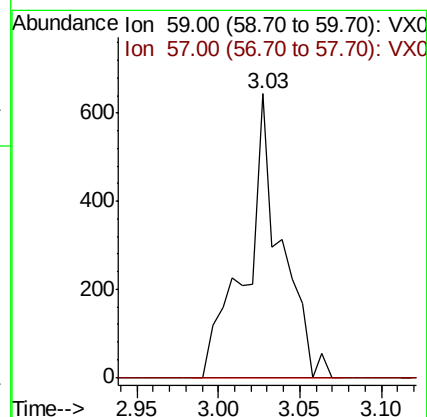
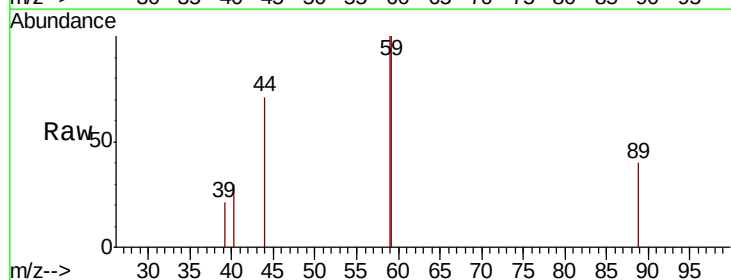
Acq: 18 Oct 2019 20:14

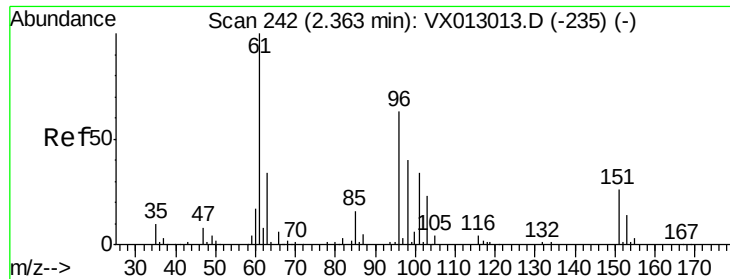
Tgt Ion: 59 Resp: 957

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

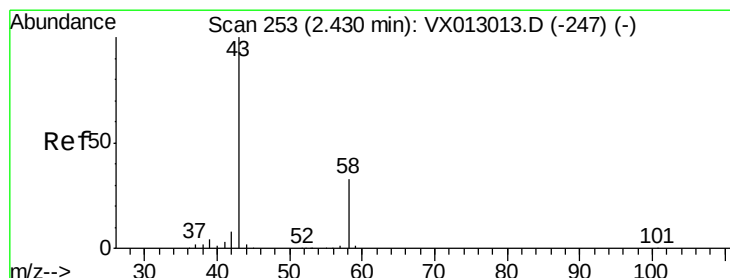
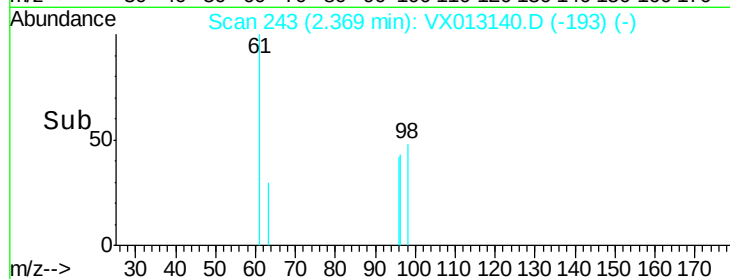
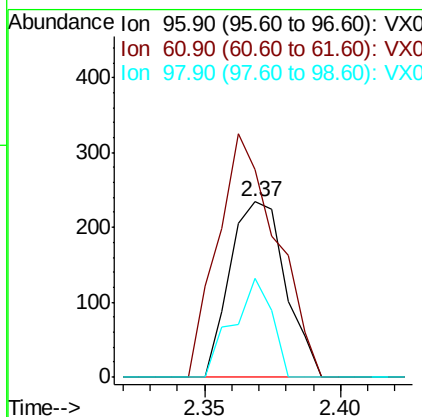
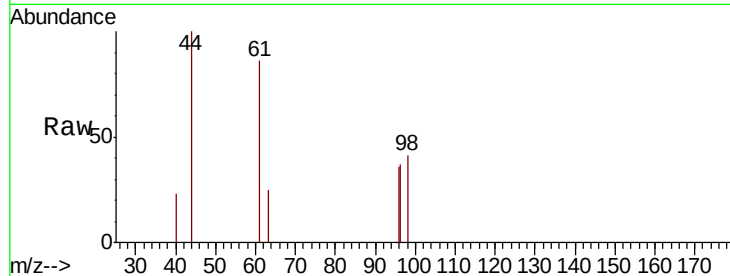




#12
 1,1-Dichloroethene
 Concen: 0.206 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VX013140.D
 Acq: 18 Oct 2019 20:14

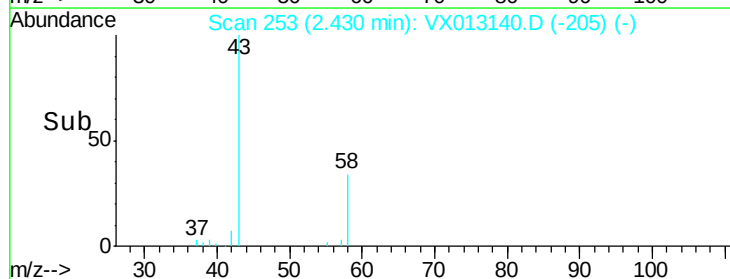
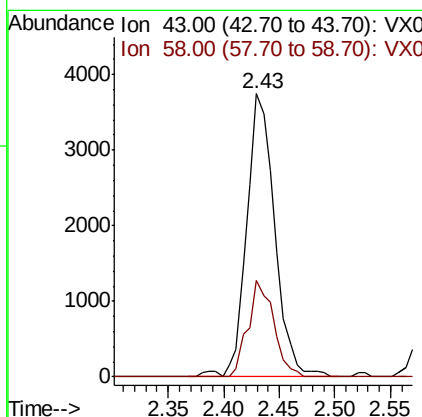
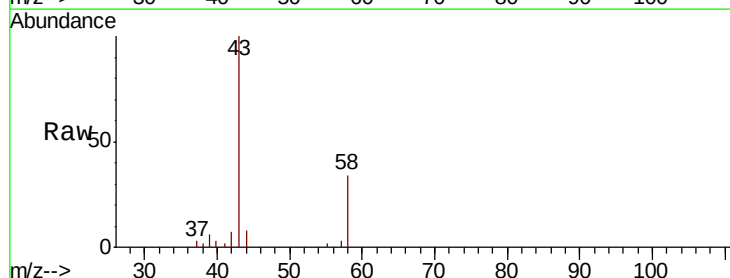
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JPZ0340

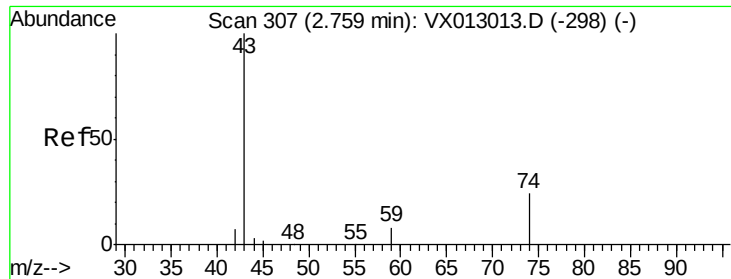
Tot Ion: 96 Resp: 332
 Ion Ratio Lower Upper
 96 100
 61 118.4 132.2 198.4#
 98 56.4 50.5 75.7



#16
 Acetone
 Concen: 6.244 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX013140.D
 Acq: 18 Oct 2019 20:14

Tgt Ion: 43 Resp: 6571
 Ion Ratio Lower Upper
 43 100
 58 33.9 25.4 38.2

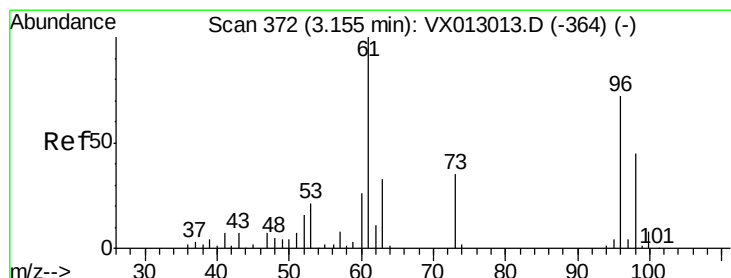
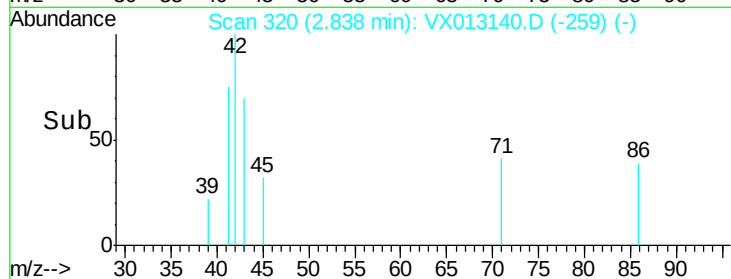
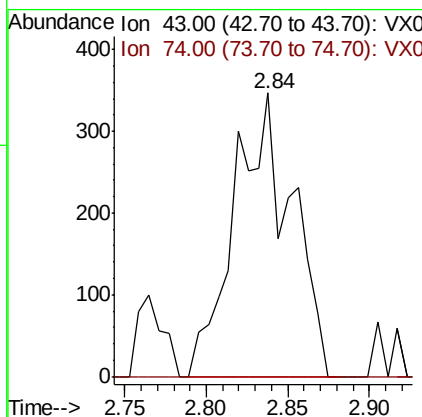
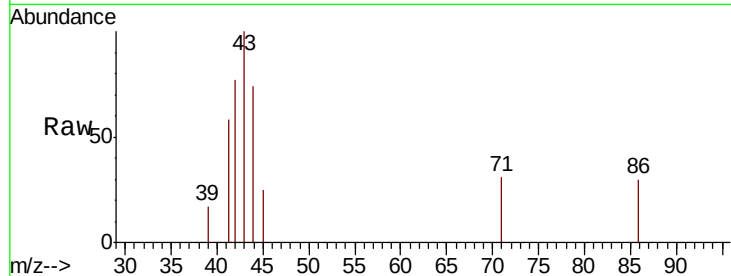




#18
Methyl Acetate
Concen: 0.343 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.07 min
Lab File: VX013140.D
Acq: 18 Oct 2019 20:14

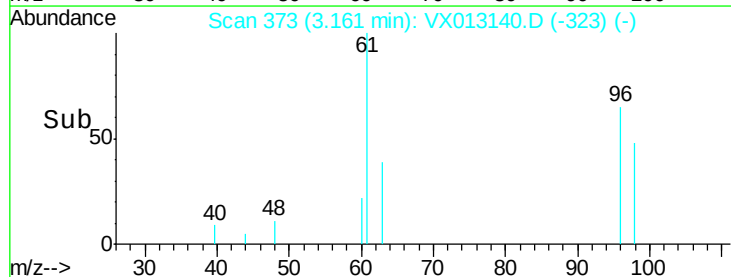
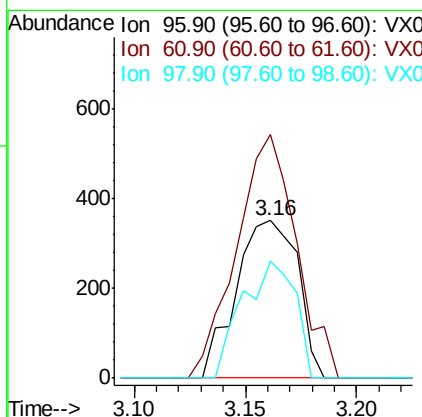
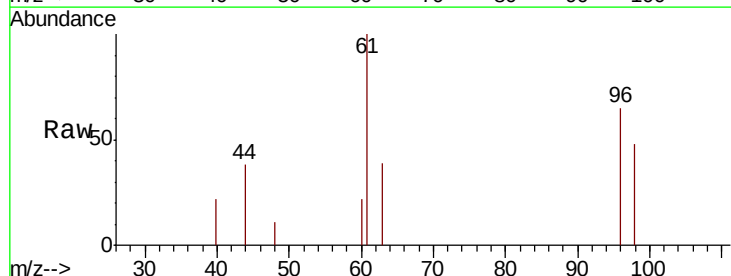
Instrument :
MSVOA_X
ClientSampleId :
FA19-JPZ0340

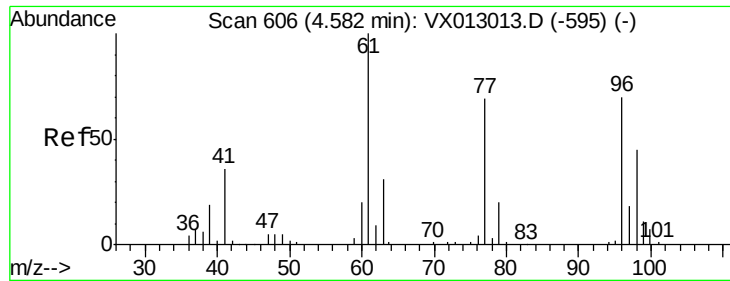
Tot Ion: 43 Resp: 856
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#21
trans-1,2-Dichloroethene
Concen: 0.391 ug/l
RT: 3.16 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX013140.D
Acq: 18 Oct 2019 20:14

Tgt Ion: 96 Resp: 677
Ion Ratio Lower Upper
96 100
61 154.7 110.4 165.6
98 74.4 51.5 77.3



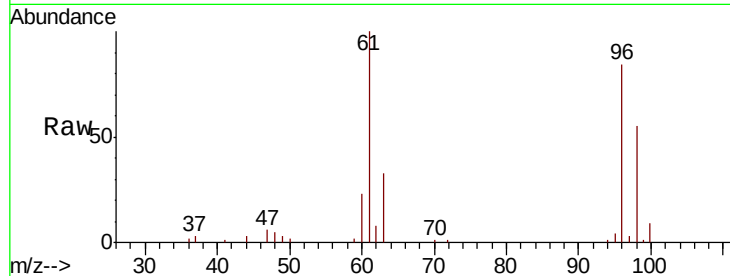


#27

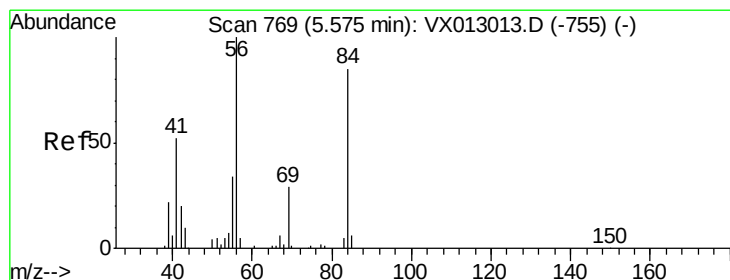
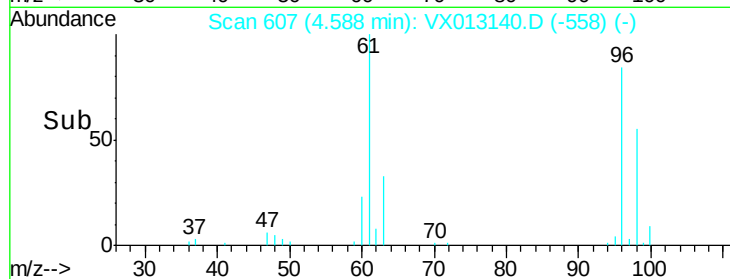
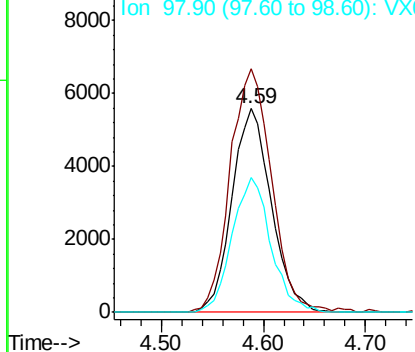
cis-1,2-Dichloroethene
 Concen: 7.510 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VX013140.D
 Acq: 18 Oct 2019 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JPZ0340

Tot Ion: 96 Resp: 14978
 Ion Ratio Lower Upper
 96 100
 61 125.1 0.0 290.6
 98 64.9 0.0 128.8



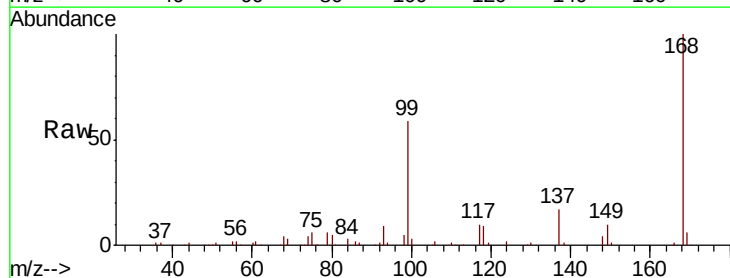
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



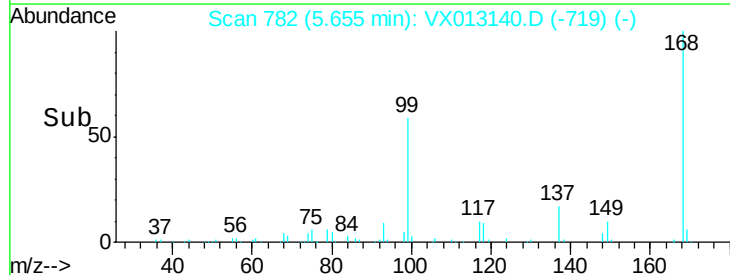
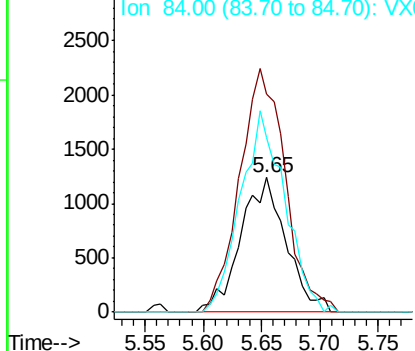
#31

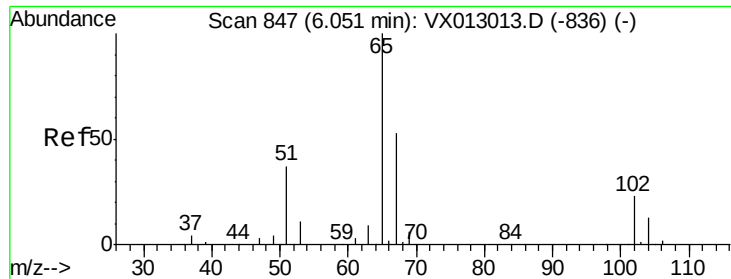
Cyclohexane
 Concen: 1.168 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.09 min
 Lab File: VX013140.D
 Acq: 18 Oct 2019 20:14

Tgt Ion: 56 Resp: 3385
 Ion Ratio Lower Upper
 56 100
 69 161.5 25.2 37.8#
 84 129.8 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

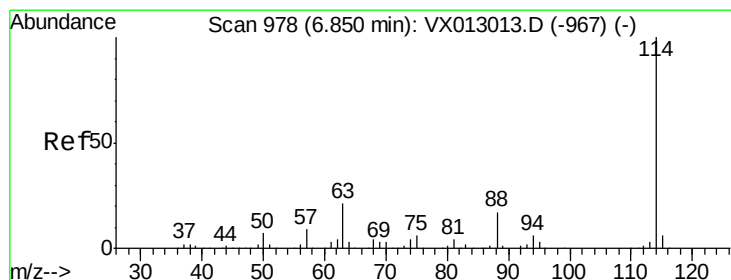
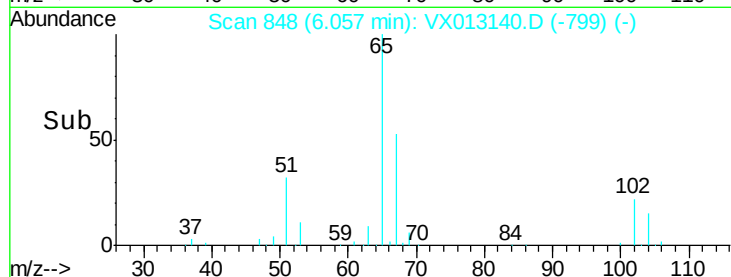
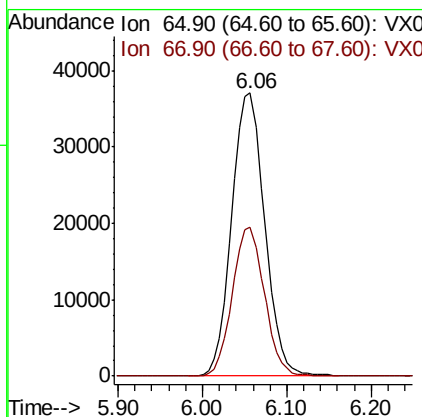
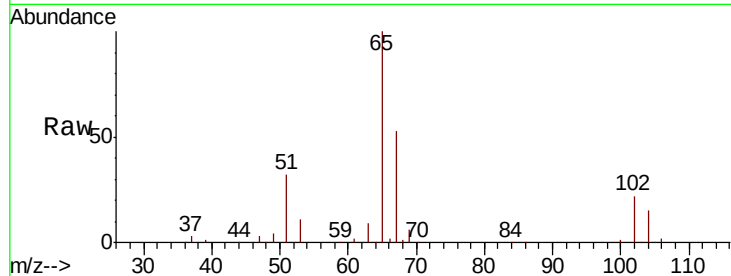




#33
 1,2-Dichloroethane-d4
 Concen: 49.346 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VX013140.D
 Acq: 18 Oct 2019 20:14

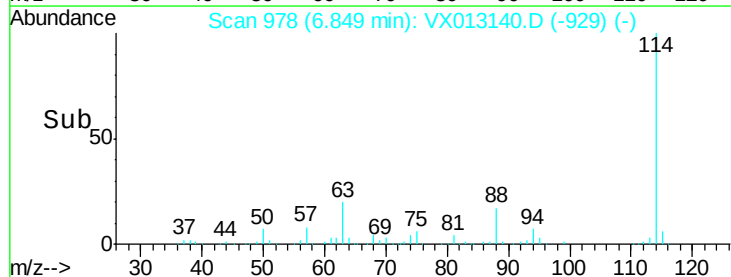
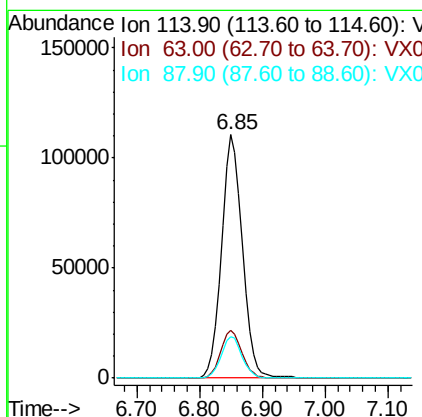
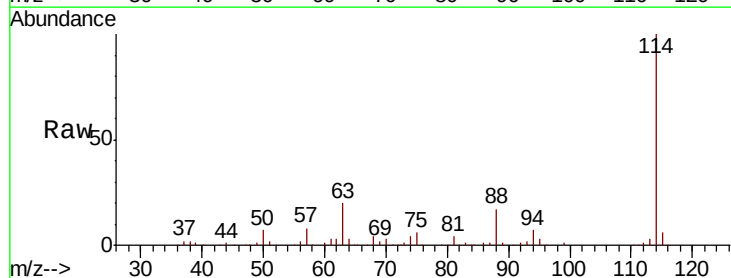
Instrument :
 MSVOA_X
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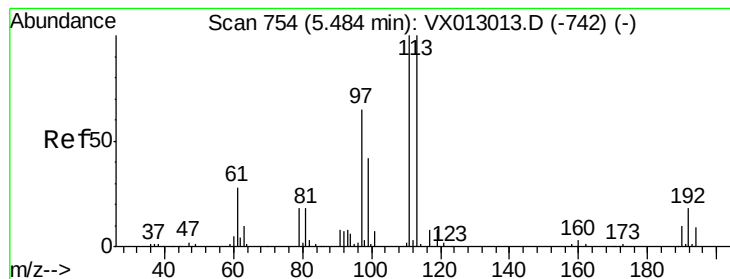
Tot Ion: 65 Resp: 98518
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013140.D
 Acq: 18 Oct 2019 20:14

Tgt Ion: 114 Resp: 254289
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.8
 88 17.1 0.0 33.8





#35

Dibromofluoromethane

Concen: 52.574 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013140.D

Acq: 18 Oct 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

FA19-JPZ0340

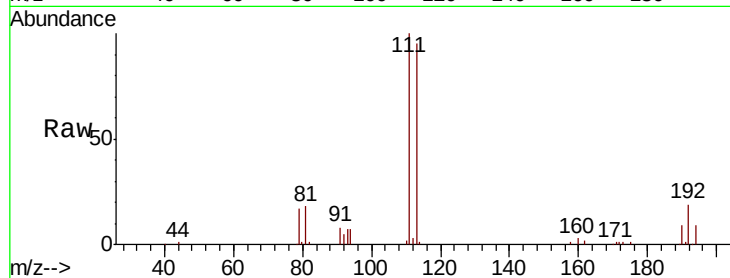
Tot Ion:113 Resp: 76731

Ion Ratio Lower Upper

113 100

111 102.7 83.2 124.8

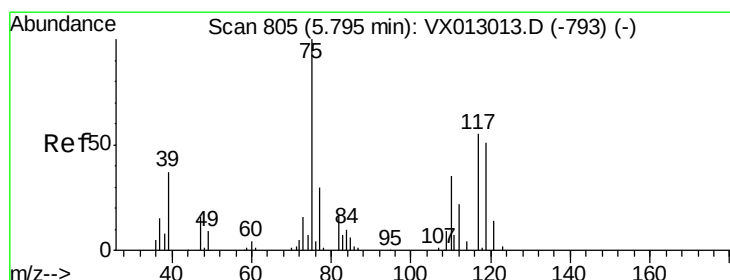
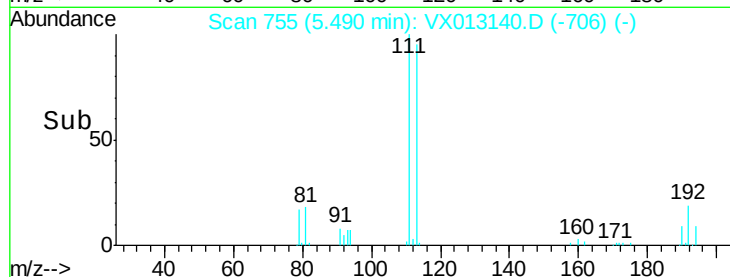
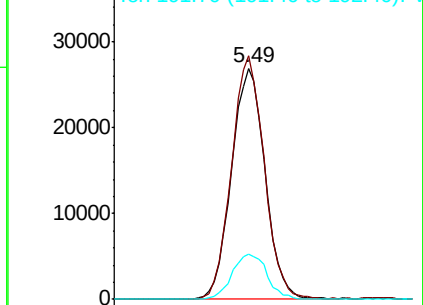
192 20.3 15.4 23.2



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: 5.255 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX013140.D

Acq: 18 Oct 2019 20:14

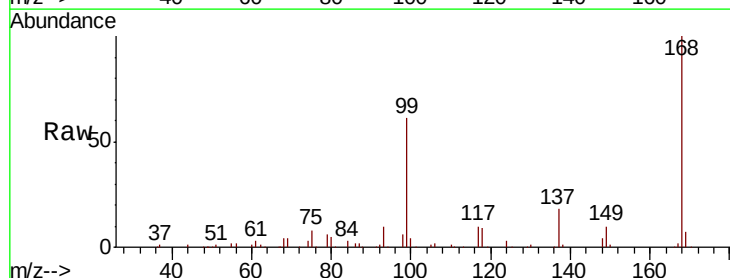
Tgt Ion: 75 Resp: 11749

Ion Ratio Lower Upper

75 100

110 10.4 17.6 52.9#

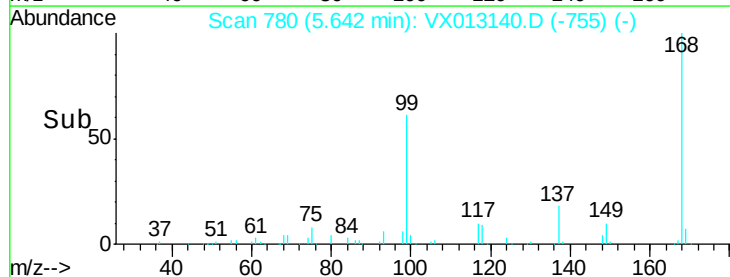
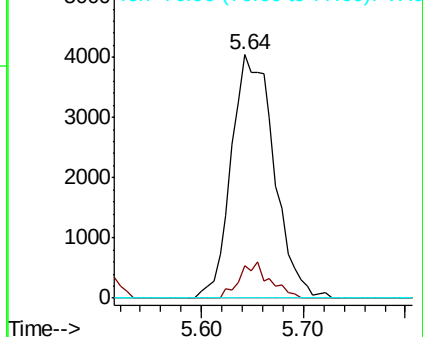
77 0.0 24.4 36.6#

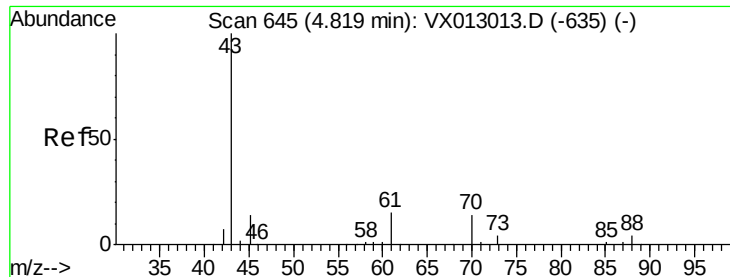


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

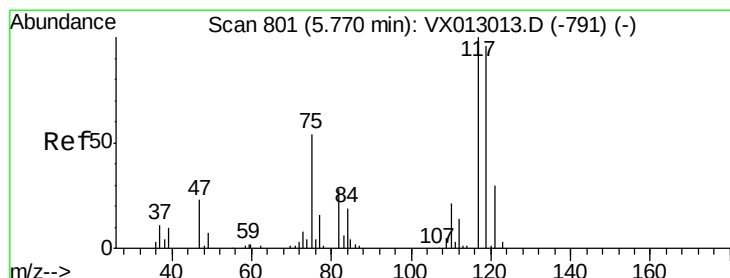
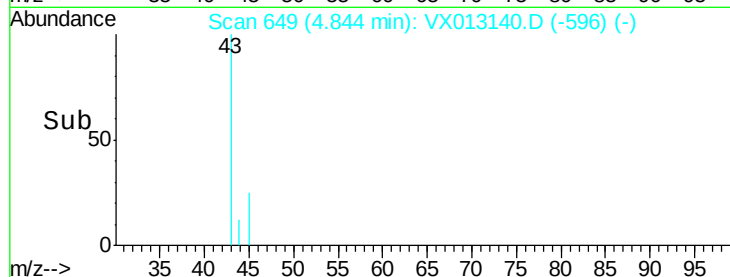
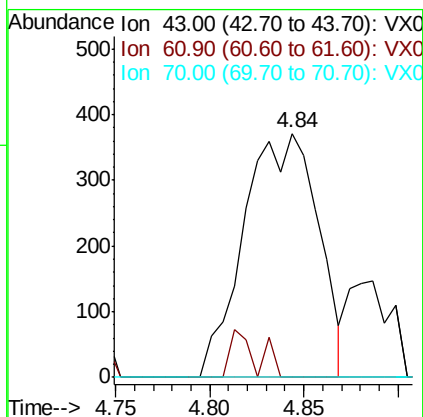
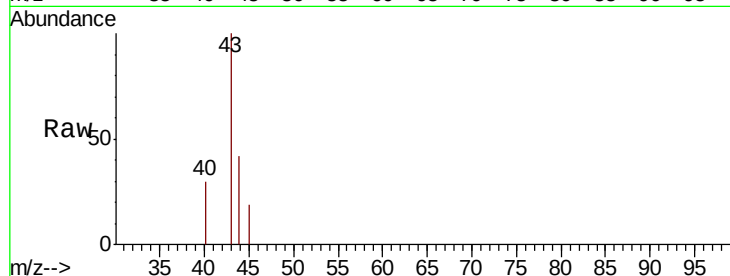




#37
Ethyl Acetate
Concen: 0.405 ug/l
RT: 4.84 min Scan# 649
Delta R.T. 0.02 min
Lab File: VX013140.D
Acq: 18 Oct 2019 20:14

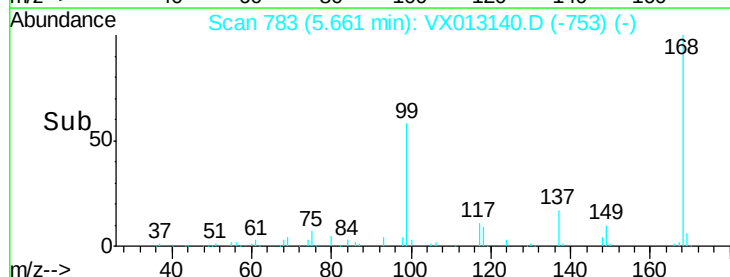
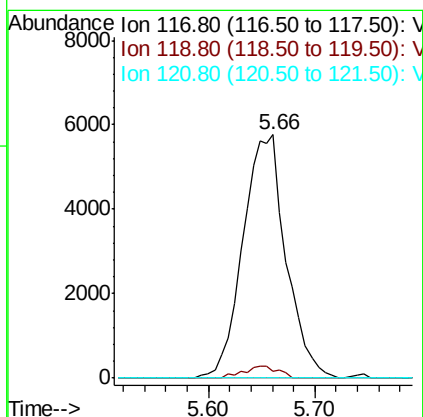
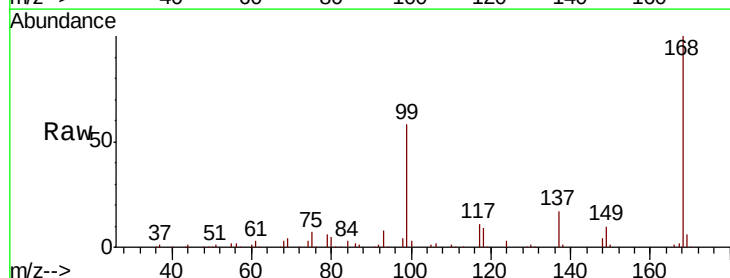
Instrument :
MSVOA_X
ClientSampleId :
FA19-JPZ0340

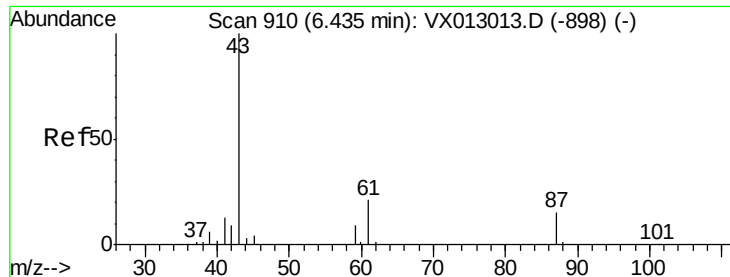
Tot Ion: 43 Resp: 1013
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.0 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 7.493 ug/l
RT: 5.66 min Scan# 783
Delta R.T. -0.12 min
Lab File: VX013140.D
Acq: 18 Oct 2019 20:14

Tgt Ion: 117 Resp: 16306
Ion Ratio Lower Upper
117 100
119 2.9 74.5 111.7#
121 0.0 24.2 36.4#





#43

Isopropyl Acetate

Concen: 0.607 ug/l

RT: 6.34 min Scan# 895

Delta R.T. -0.09 min

Lab File: VX013140.D

Acq: 18 Oct 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

FA19-JPZ0340

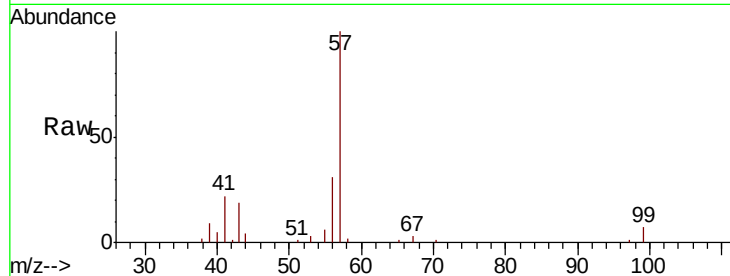
Tot Ion: 43 Resp: 2437

Ion Ratio Lower Upper

43 100

61 0.0 16.6 24.8#

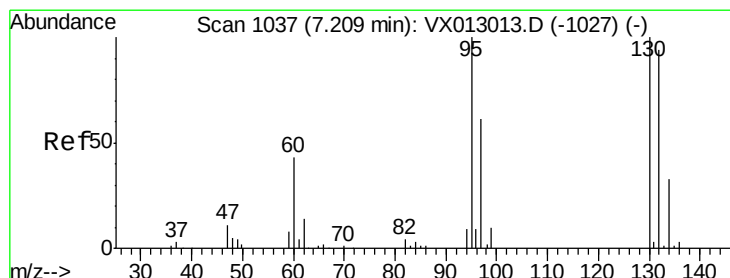
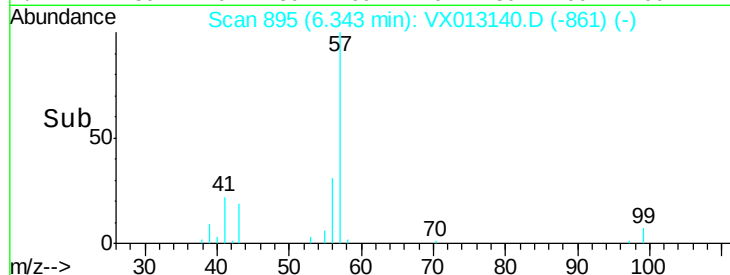
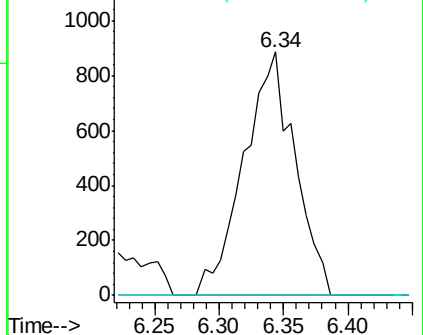
87 0.0 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 14.934 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX013140.D

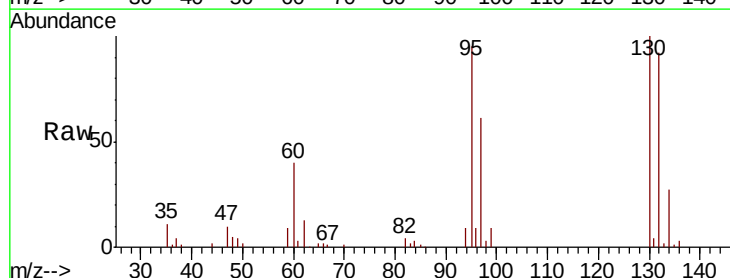
Acq: 18 Oct 2019 20:14

Tgt Ion: 130 Resp: 27346

Ion Ratio Lower Upper

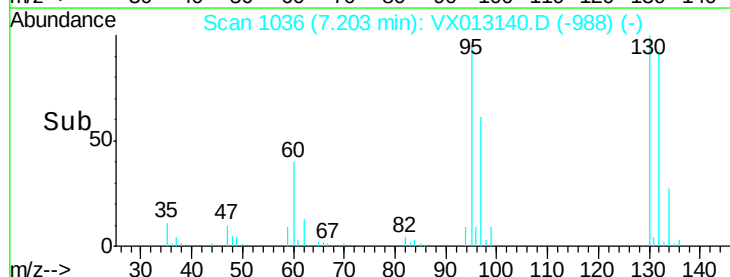
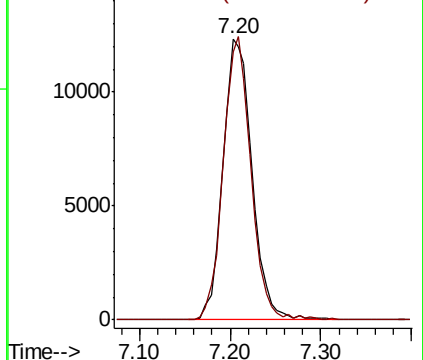
130 100

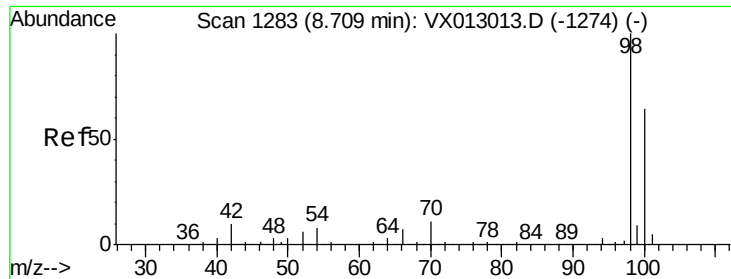
95 95.2 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

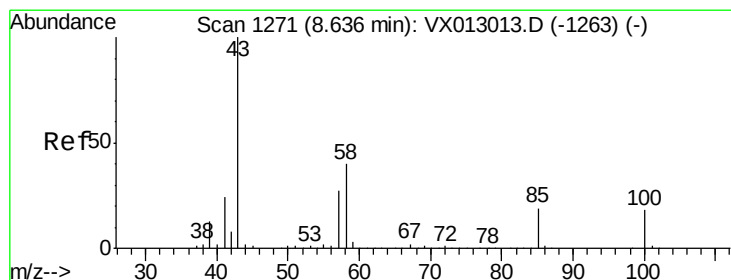
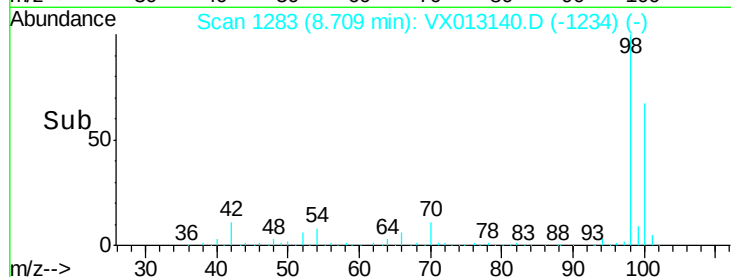
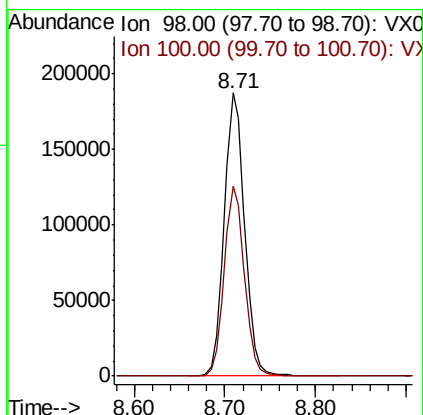
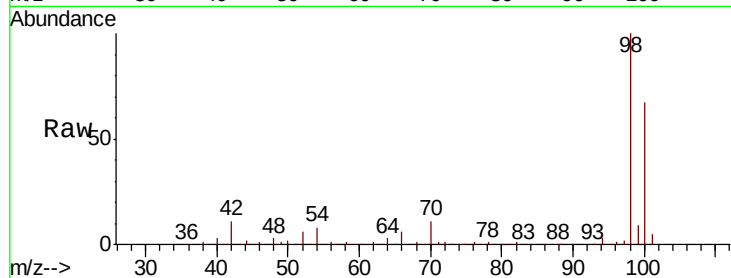




#50
Toluene-d8
Concen: 51.509 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013140.D
Acq: 18 Oct 2019 20:14

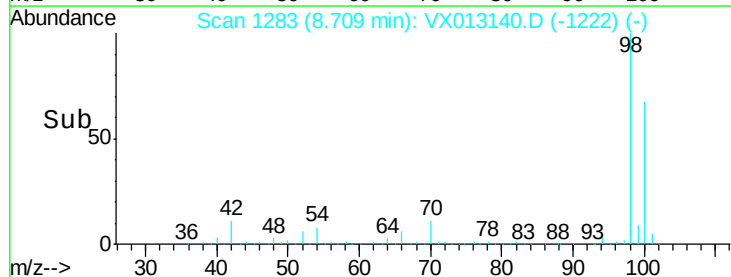
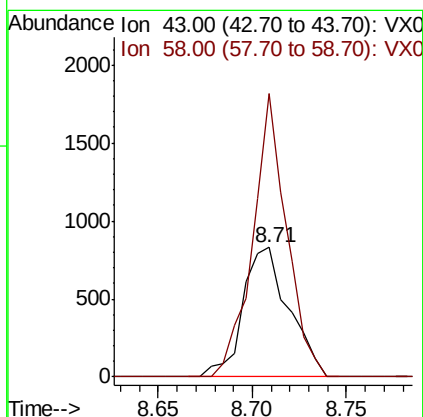
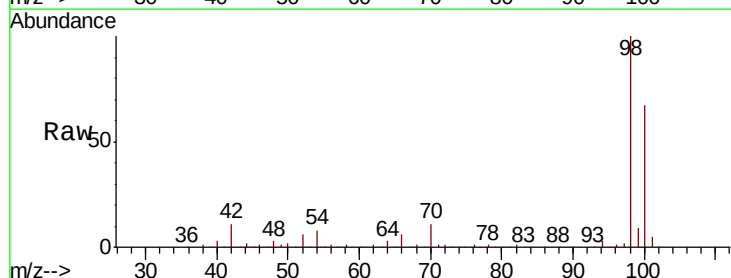
Instrument :
MSVOA_X
ClientSampleId :
FA19-JPZ0340

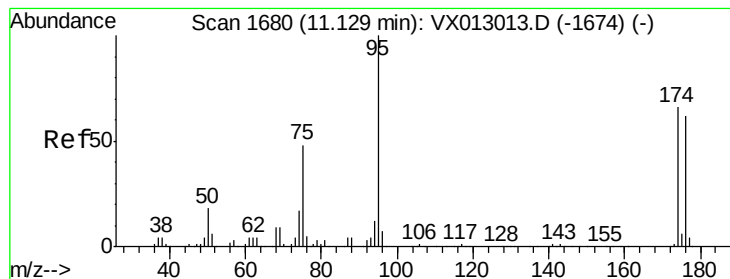
Tot Ion: 98 Resp: 293208
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.564 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX013140.D
Acq: 18 Oct 2019 20:14

Tgt Ion: 43 Resp: 1411
Ion Ratio Lower Upper
43 100
58 160.2 32.4 48.6#





#62

4-Bromofluorobenzene

Concen: 43.236 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013140.D

Acq: 18 Oct 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

FA19-JPZ0340

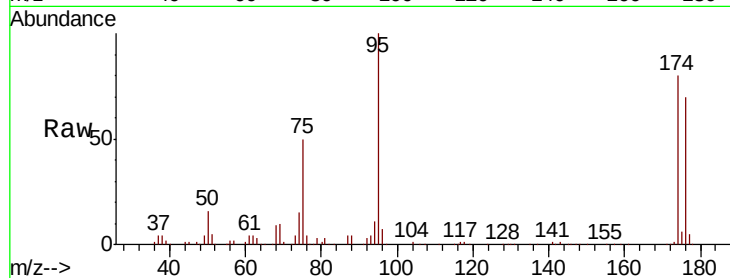
Tot Ion: 95 Resp: 95629

Ion Ratio Lower Upper

95 100

174 75.3 0.0 143.4

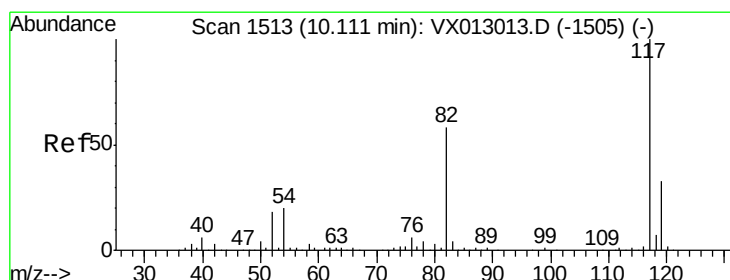
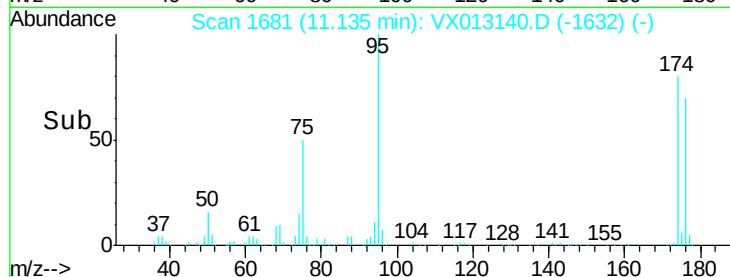
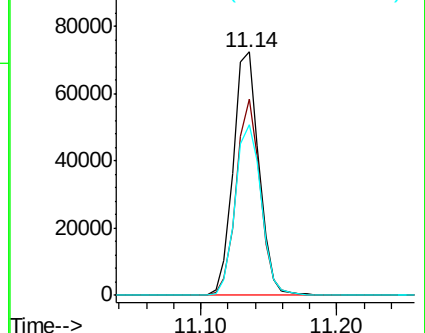
176 71.0 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX013140.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX013140.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX013140.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013140.D

Acq: 18 Oct 2019 20:14

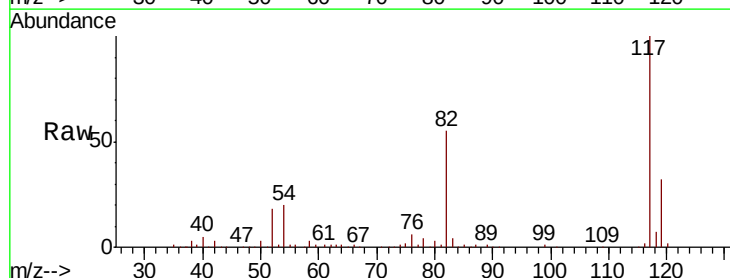
Tgt Ion: 117 Resp: 211865

Ion Ratio Lower Upper

117 100

82 55.3 44.1 66.1

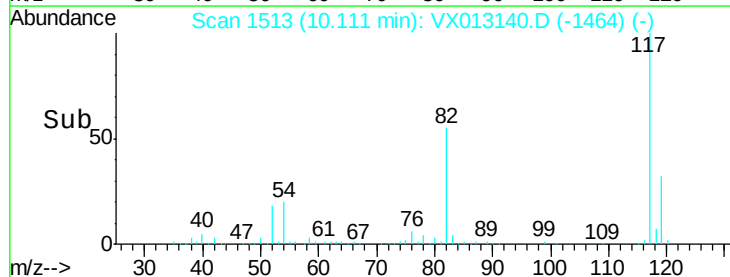
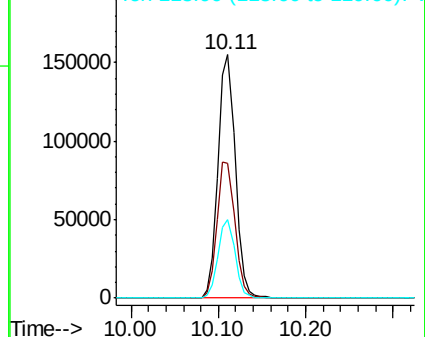
119 32.2 25.8 38.8

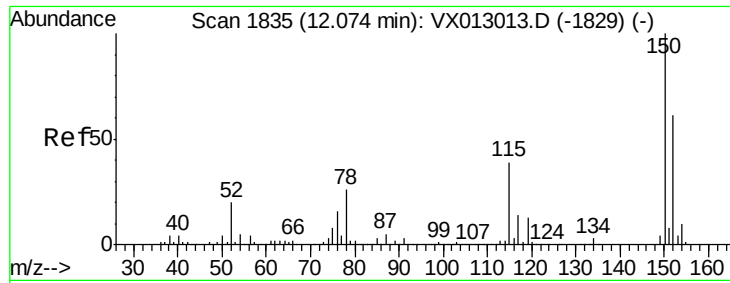


Abundance Ion 116.90 (116.60 to 117.60): VX013140.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX013140.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX013140.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013140.D

Acq: 18 Oct 2019 20:14

Instrument :

MSVOA_X

ClientSampled :

FA19-JPZ0340

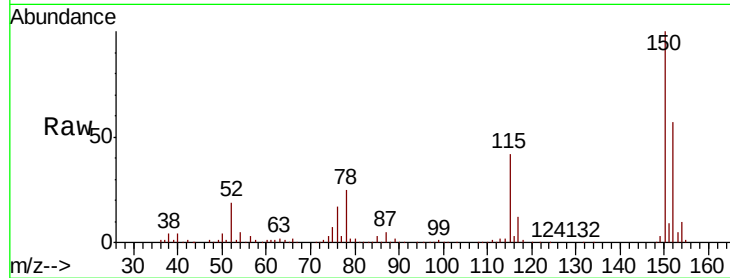
Tot Ion:152 Resp: 75639

Ion Ratio Lower Upper

152 100

115 68.1 44.5 133.5

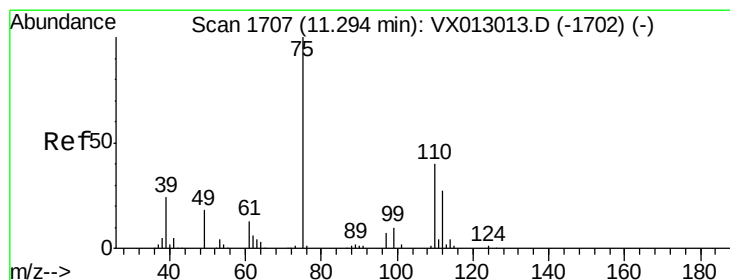
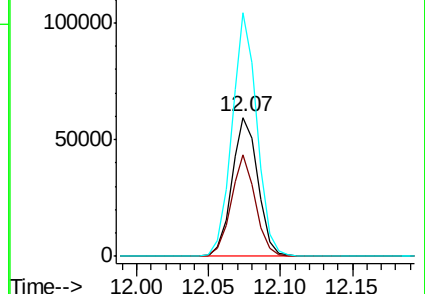
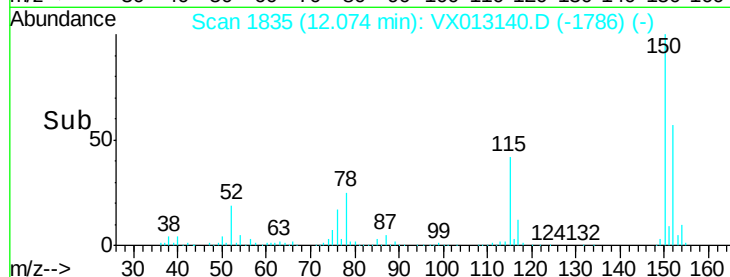
150 167.4 0.0 353.4



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: 27.959 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX013140.D

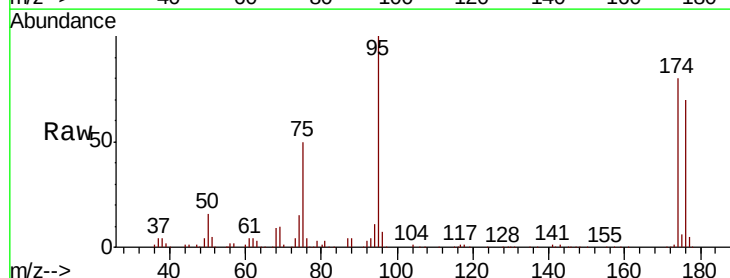
Acq: 18 Oct 2019 20:14

Tgt Ion: 75 Resp: 46906

Ion Ratio Lower Upper

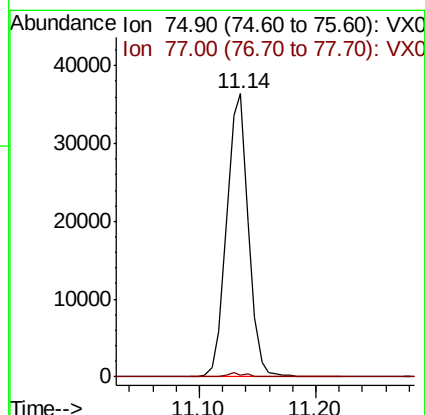
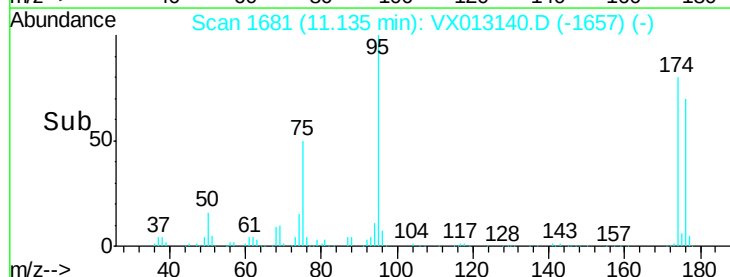
75 100

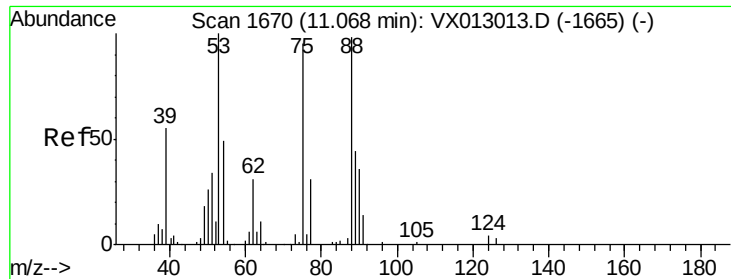
77 1.2 22.9 68.8#



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: 70.108 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013140.D

Acq: 18 Oct 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

FA19-JPZ0340

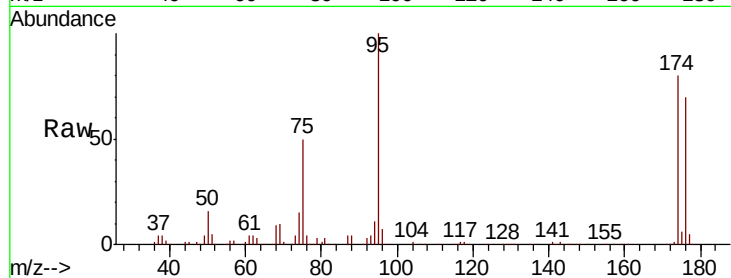
Tot Ion: 75 Resp: 46906

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#



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

