

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101119\
 Data File : VX013028.D
 Acq On : 11 Oct 2019 19:50
 Operator : JC/SP
 Sample : K5313-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW7330

Quant Time: Oct 11 23:29:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	176362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	292661	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101436	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	111198	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
35) Dibromofluoromethane	5.49	113	85789	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
50) Toluene-d8	8.71	98	343280	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
62) 4-Bromofluorobenzene	11.14	95	118559	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	

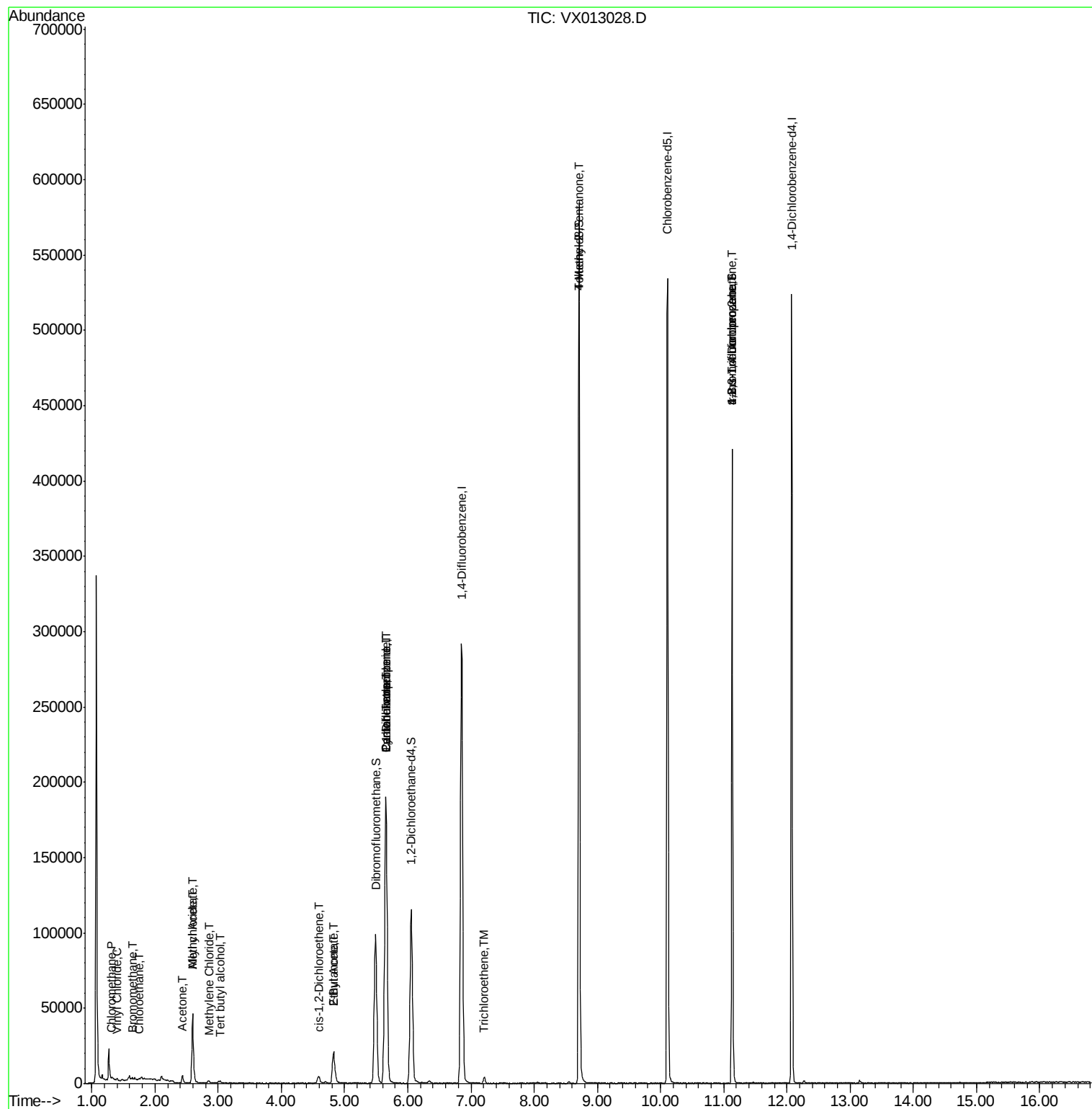
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	770	0.394	ug/l	93
4) Vinyl Chloride	1.40	62	483	0.239	ug/l #	79
5) Bromomethane	1.64	94	170	0.203	ug/l #	52
6) Chloroethane	1.75	64	386	0.678	ug/l #	43
11) Tert butyl alcohol	3.03	59	1706	2.920	ug/l #	83
14) Allyl chloride	2.59	41	4628	1.458	ug/l #	68
16) Acetone	2.43	43	5376	4.627	ug/l	92
18) Methyl Acetate	2.59	43	12347	4.483	ug/l #	51
20) Methylene Chloride	2.85	84	672	0.315	ug/l #	84
25) 2-Butanone	4.83	43	36316	22.529	ug/l #	49
27) cis-1,2-Dichloroethene	4.58	96	2785	1.265	ug/l	98
31) Cyclohexane	5.65	56	3604	1.126	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14259	5.542	ug/l #	50
37) Ethyl Acetate	4.83	43	36458	12.671	ug/l	98
38) Carbon Tetrachloride	5.65	117	17883	7.140	ug/l #	17
44) Trichloroethene	7.20	130	1978	0.939	ug/l	62
51) 4-Methyl-2-Pentanone	8.71	43	1542	0.536	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	59712	26.541	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	59712	66.758	ug/l #	10

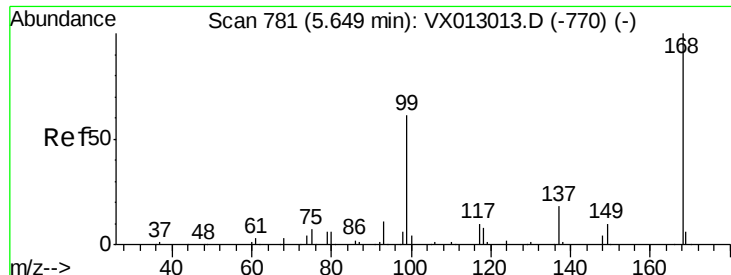
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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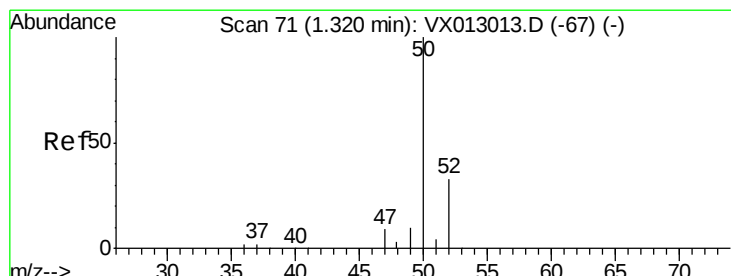
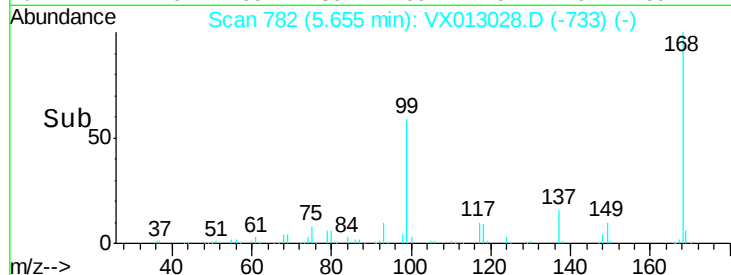
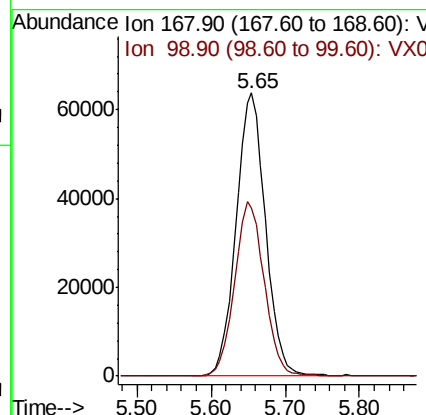
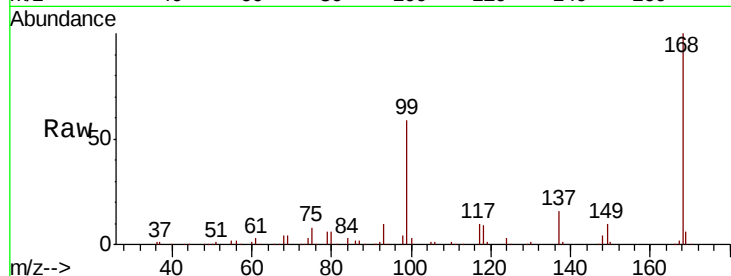




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.00 min
Lab File: VX013028.D
Acq: 11 Oct 2019 19:50

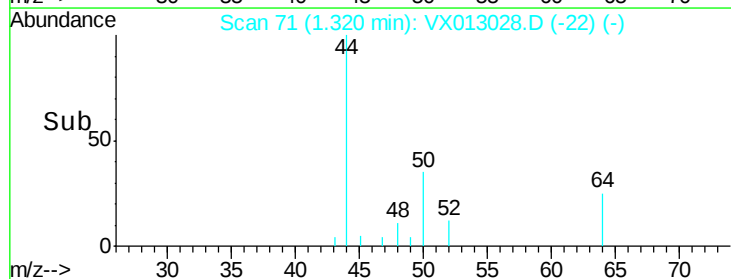
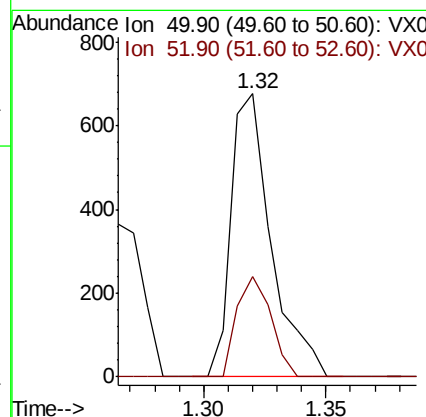
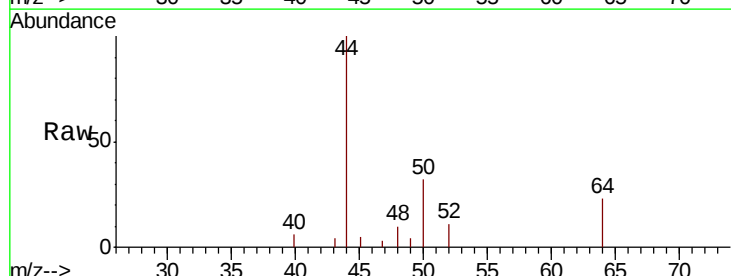
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW7330

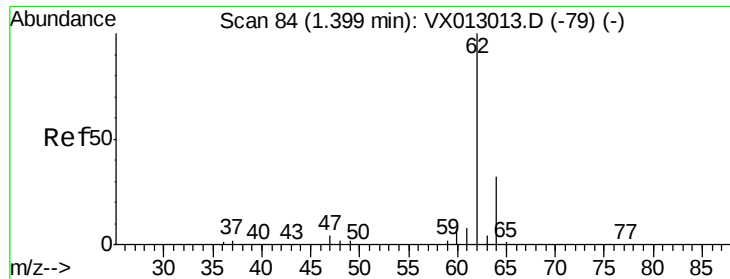
Tot Ion:168 Resp: 176362
Ion Ratio Lower Upper
168 100
99 59.4 49.4 74.0



#3
Chloromethane
Concen: 0.394 ug/l
RT: 1.32 min Scan# 71
Delta R.T. -0.00 min
Lab File: VX013028.D
Acq: 11 Oct 2019 19:50

Tgt Ion: 50 Resp: 770
Ion Ratio Lower Upper
50 100
52 35.7 25.2 37.8





#4

Vinyl Chloride

Concen: 0.239 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013028.D

Acq: 11 Oct 2019 19:50

Instrument :

MSVOA_X

ClientSampled :

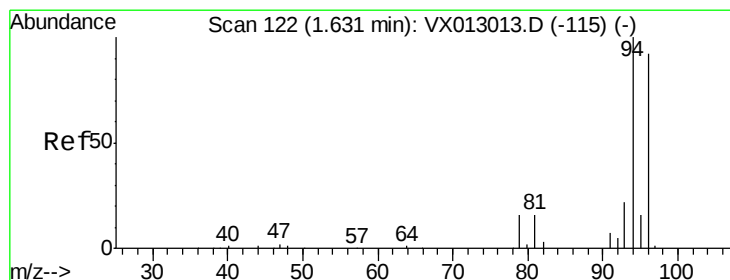
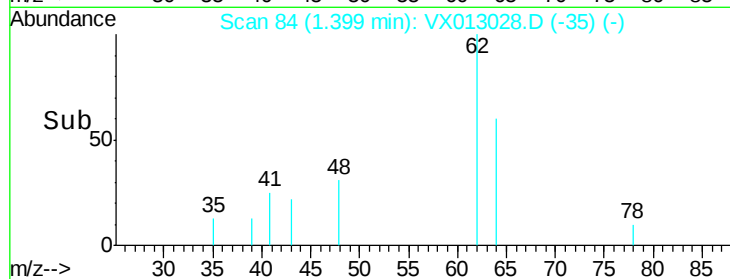
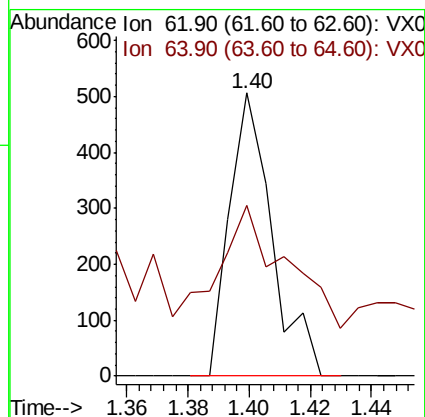
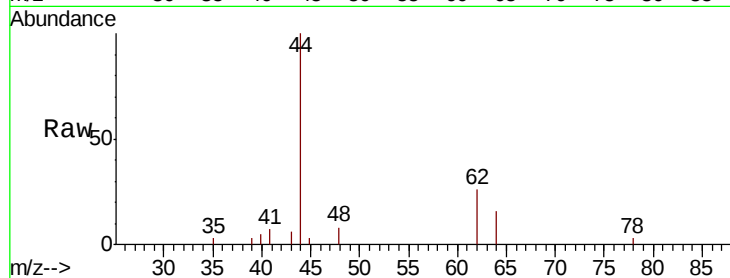
FA19-MMW7330

Tot Ion: 62 Resp: 483

Ion Ratio Lower Upper

62 100

64 43.5 25.3 37.9#



#5

Bromomethane

Concen: 0.203 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013028.D

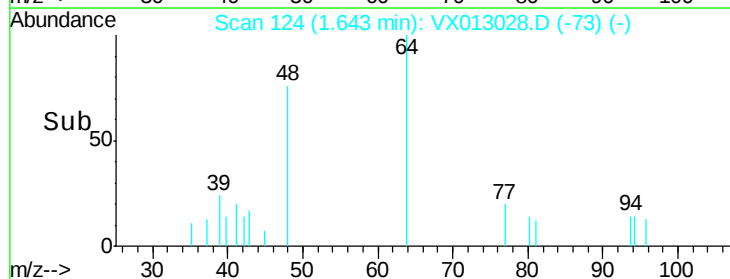
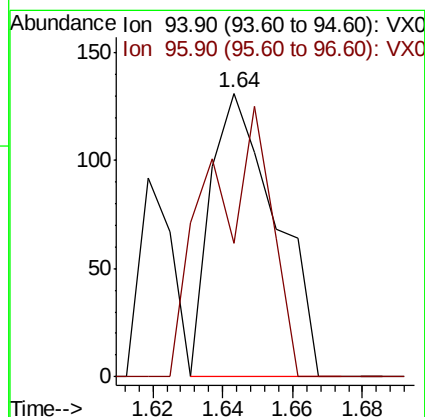
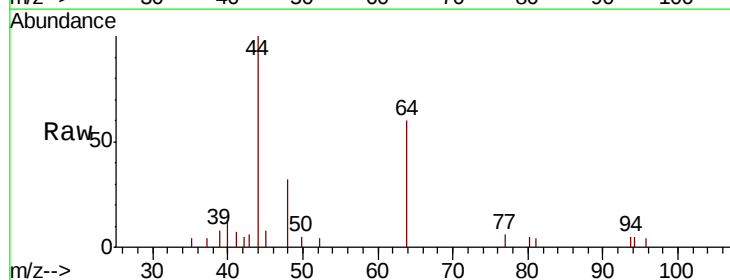
Acq: 11 Oct 2019 19:50

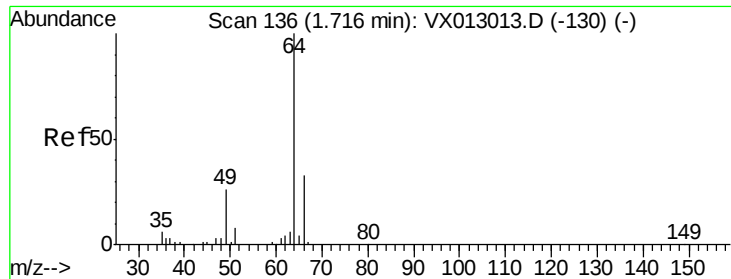
Tgt Ion: 94 Resp: 170

Ion Ratio Lower Upper

94 100

96 47.3 74.7 112.1#





#6

Chloroethane

Concen: 0.678 ug/l

RT: 1.75 min Scan# 141

Delta R.T. 0.04 min

Lab File: VX013028.D

Acq: 11 Oct 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

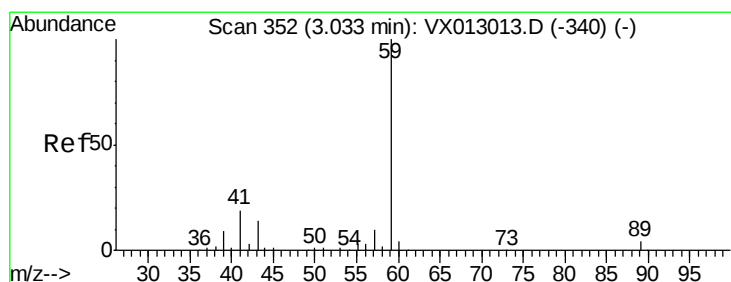
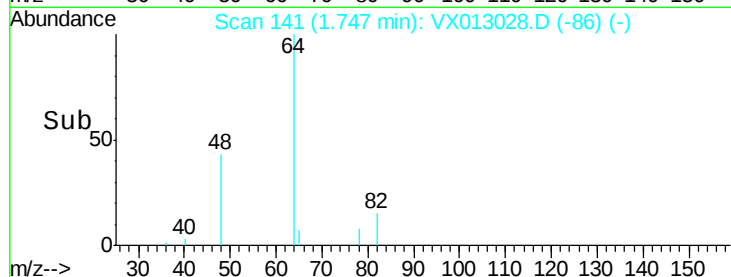
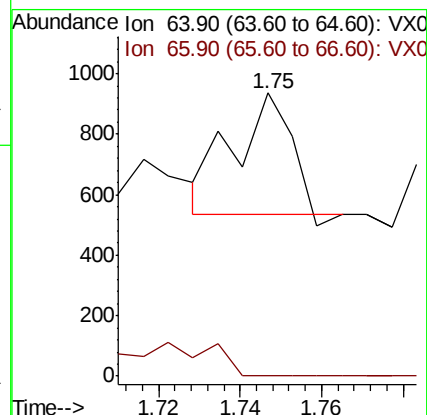
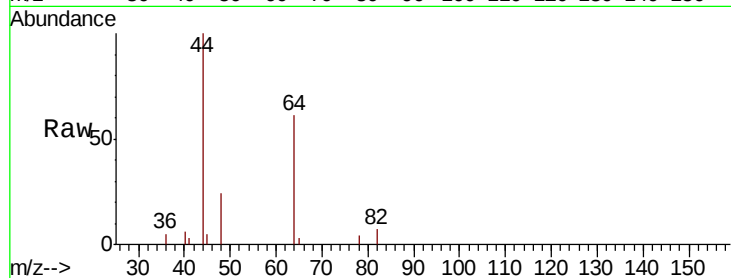
FA19-MMW7330

Tot Ion: 64 Resp: 386

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



#11

Tert butyl alcohol

Concen: 2.920 ug/l

RT: 3.03 min Scan# 352

Delta R.T. -0.01 min

Lab File: VX013028.D

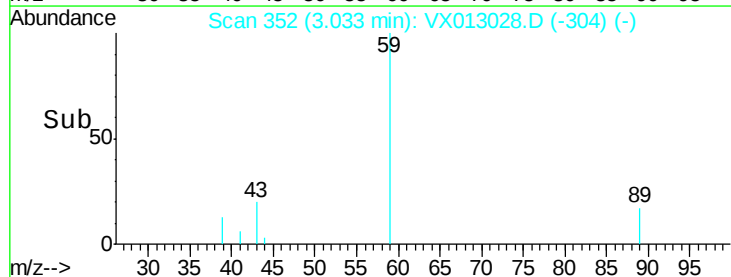
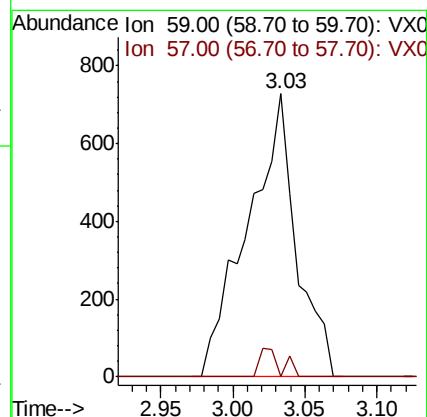
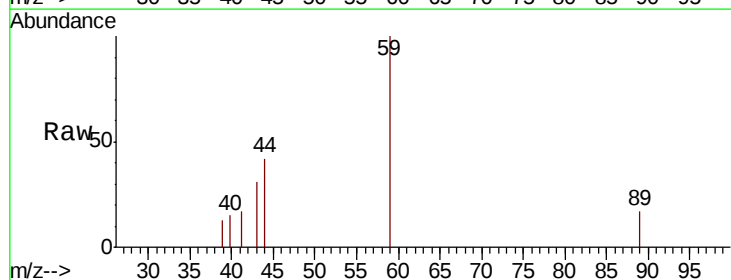
Acq: 11 Oct 2019 19:50

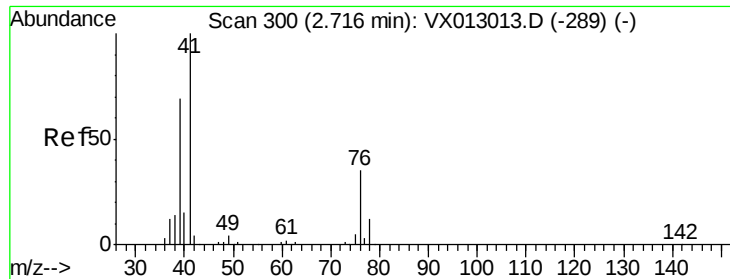
Tgt Ion: 59 Resp: 1706

Ion Ratio Lower Upper

59 100

57 4.2 8.3 12.5#





#14

Allvl chloride

Concen: 1.458 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.12 min

Lab File: VX013028.D

Acq: 11 Oct 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW7330

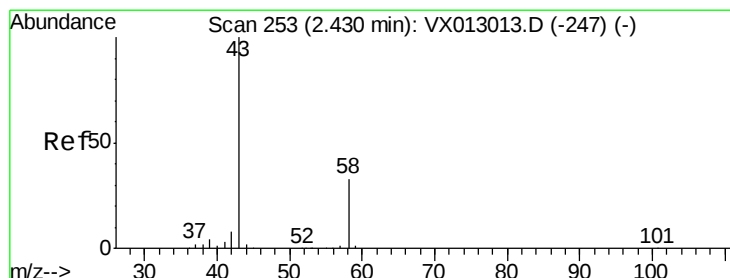
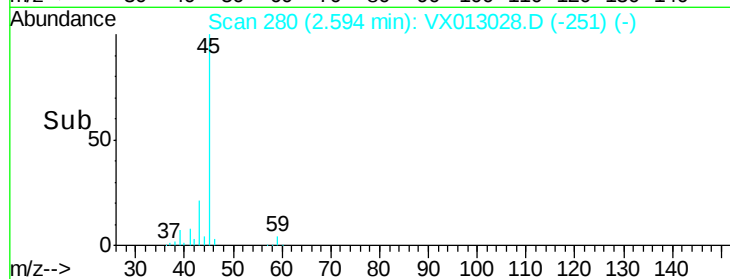
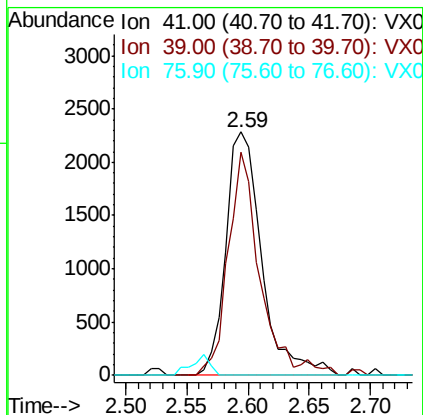
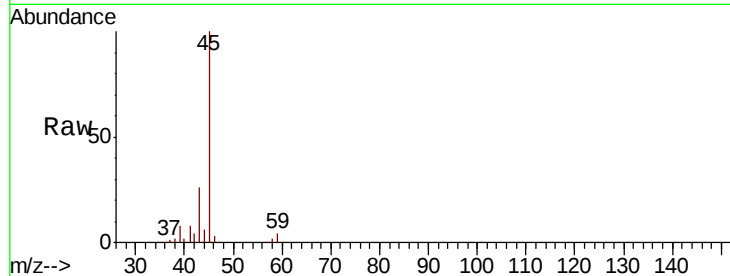
Tot Ion: 41 Resp: 4628

Ion Ratio Lower Upper

41 100

39 78.5 51.0 76.6#

76 0.0 26.2 39.4#



#16

Acetone

Concen: 4.627 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013028.D

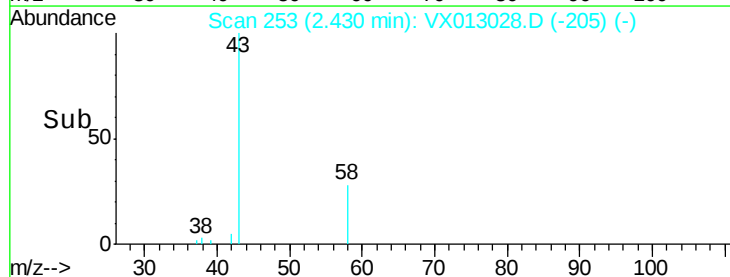
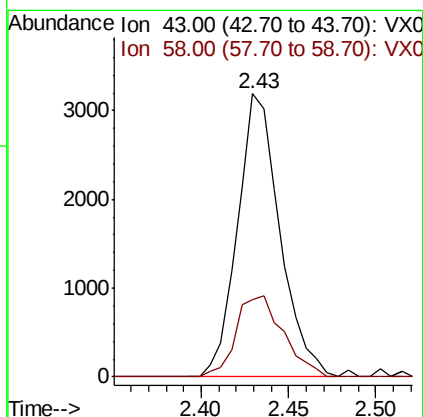
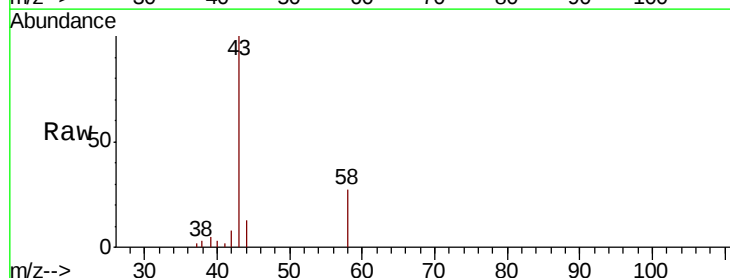
Acq: 11 Oct 2019 19:50

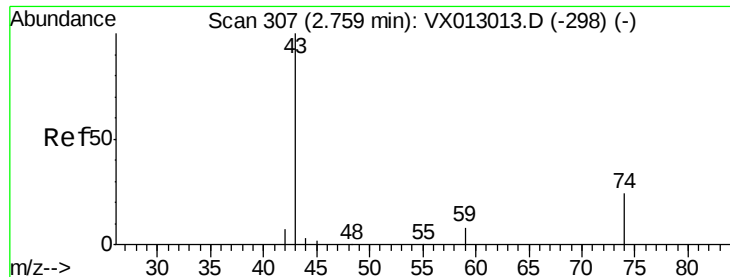
Tgt Ion: 43 Resp: 5376

Ion Ratio Lower Upper

43 100

58 27.1 25.4 38.2

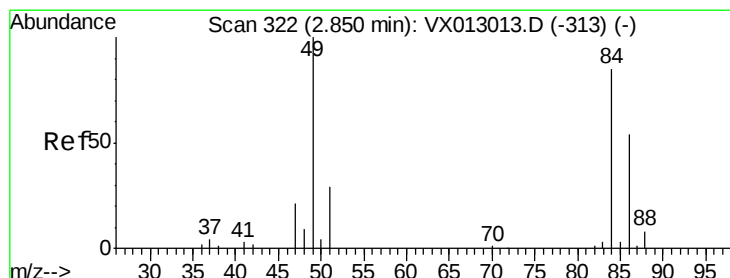
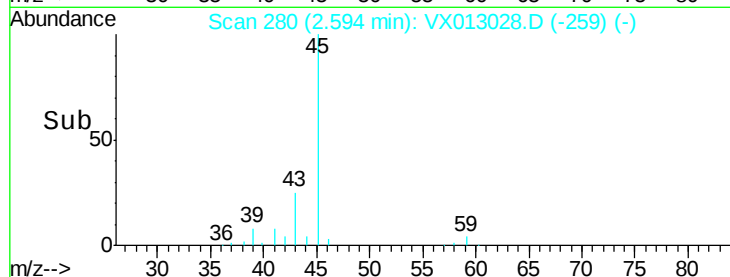
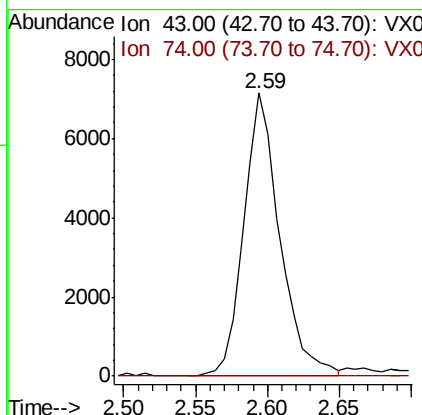
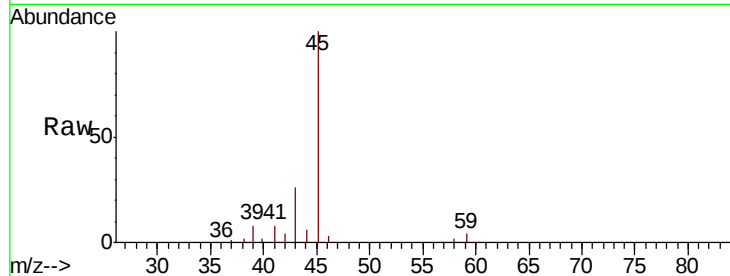




#18
Methvl Acetate
Concen: 4.483 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX013028.D
Acq: 11 Oct 2019 19:50

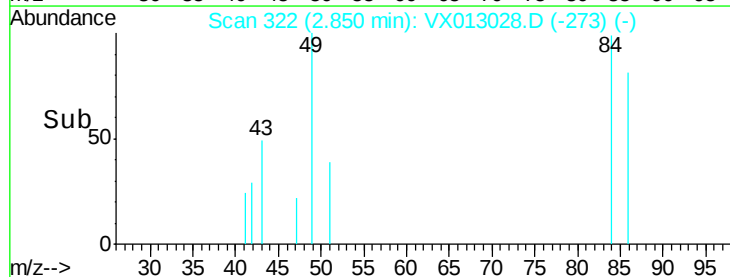
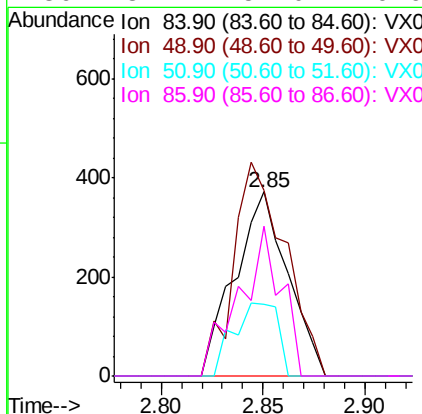
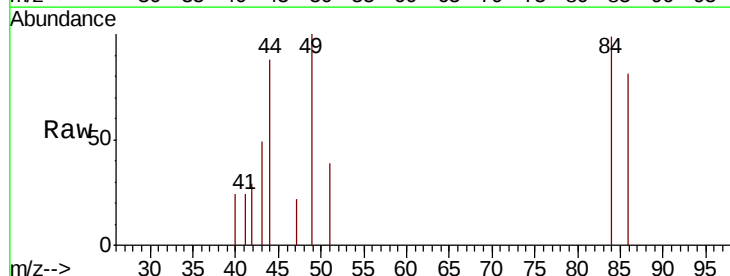
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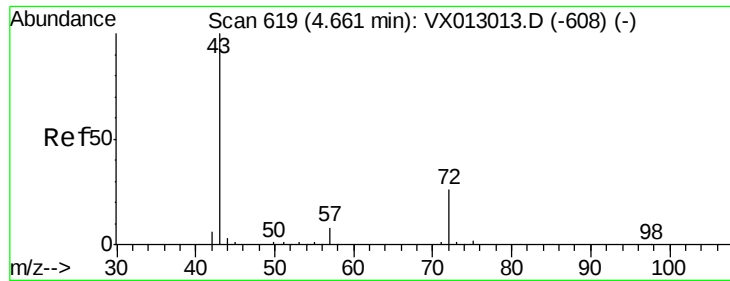
Tot Ion: 43 Resp: 12347
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#20
Methylene Chloride
Concen: 0.315 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX013028.D
Acq: 11 Oct 2019 19:50

Tgt Ion: 84 Resp: 672
Ion Ratio Lower Upper
84 100
49 100.8 96.6 144.8
51 39.1 30.7 46.1
86 81.4 51.0 76.6#





#25

2-Butanone

Concen: 22.529 ug/l

RT: 4.83 min Scan# 646

Delta R.T. 0.16 min

Lab File: VX013028.D

Acq: 11 Oct 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

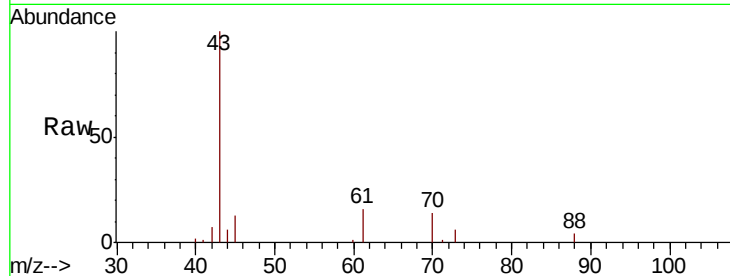
FA19-MMW7330

Tot Ion: 43 Resp: 36316

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.83

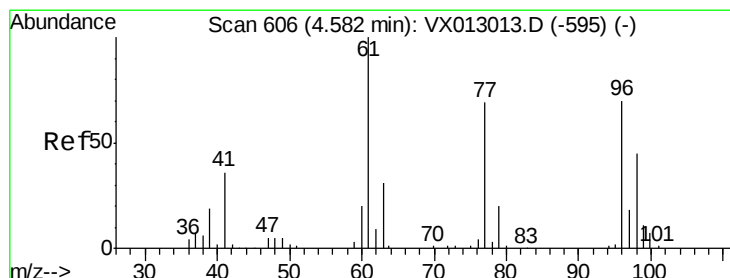
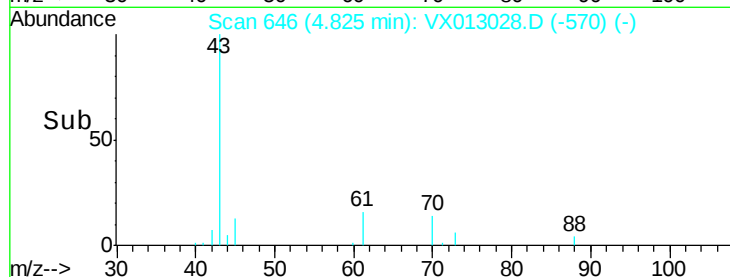
15000

10000

5000

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 1.265 ug/l

RT: 4.58 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX013028.D

Acq: 11 Oct 2019 19:50

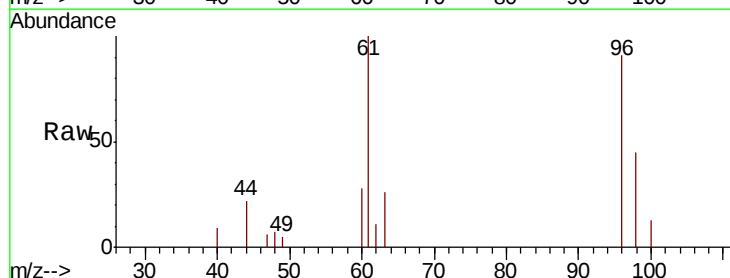
Tgt Ion: 96 Resp: 2785

Ion Ratio Lower Upper

96 100

61 144.5 0.0 290.6

98 68.8 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

2000

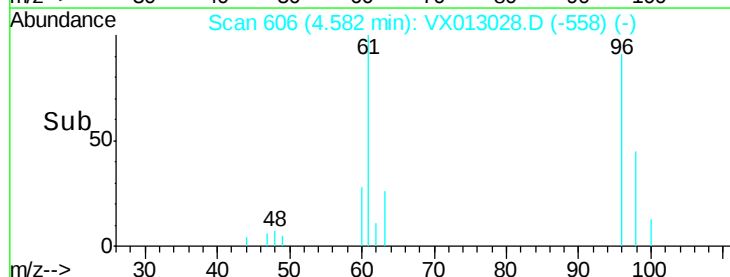
1500

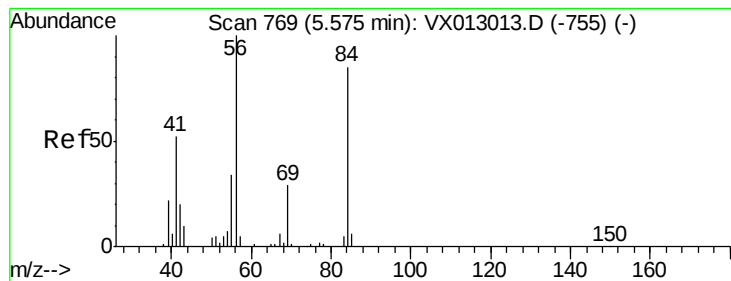
1000

500

0

Time-->





#31

Cyclohexane

Concen: 1.126 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX013028.D

Acq: 11 Oct 2019 19:50

Instrument :

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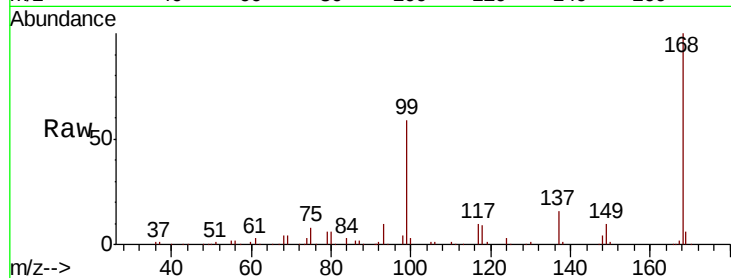
Tot Ion: 56 Resp: 3604

Ion Ratio Lower Upper

56 100

69 178.0 25.2 37.8#

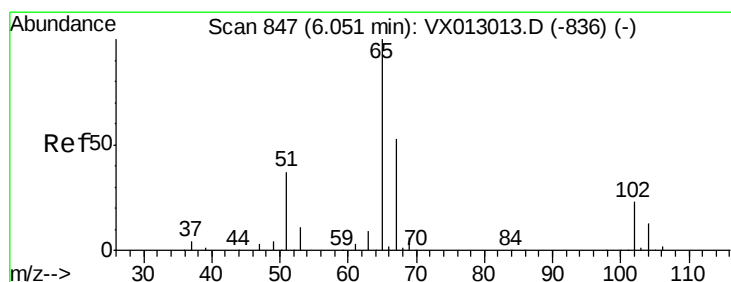
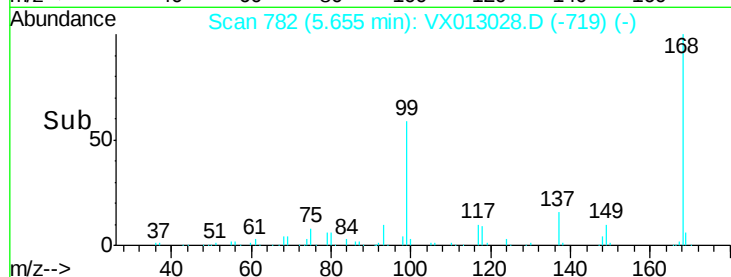
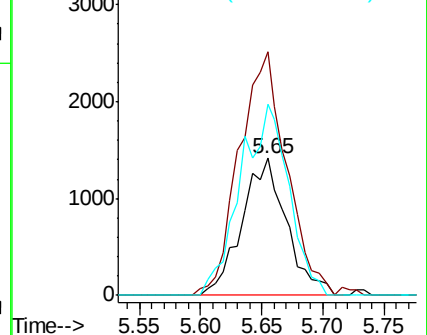
84 139.5 71.3 106.9#



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: 50.446 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX013028.D

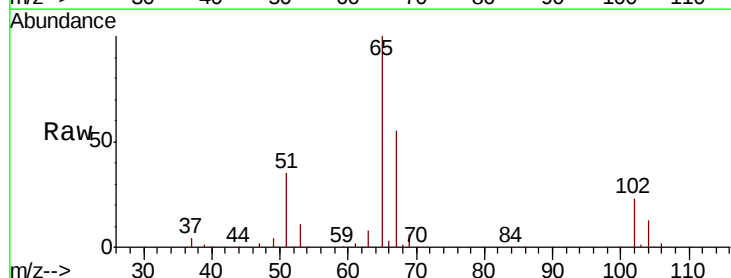
Acq: 11 Oct 2019 19:50

Tgt Ion: 65 Resp: 111198

Ion Ratio Lower Upper

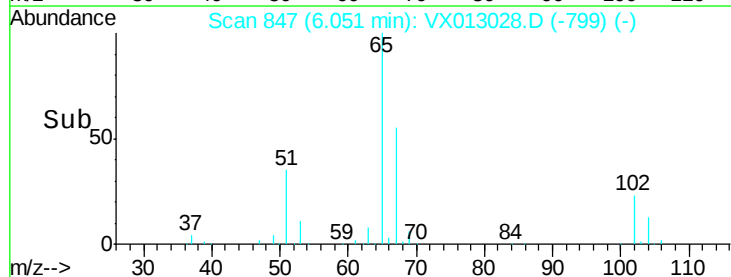
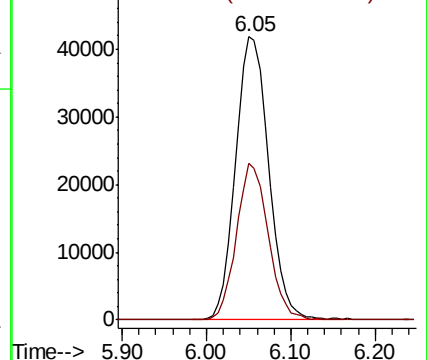
65 100

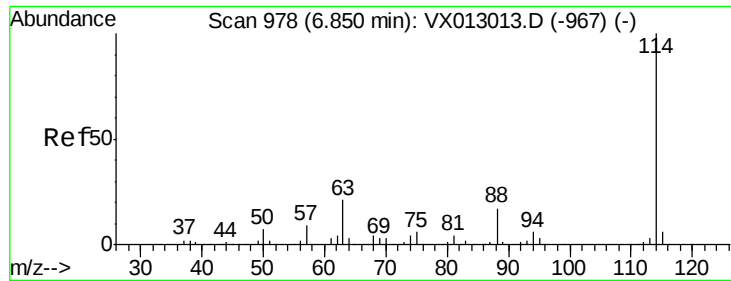
67 52.9 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

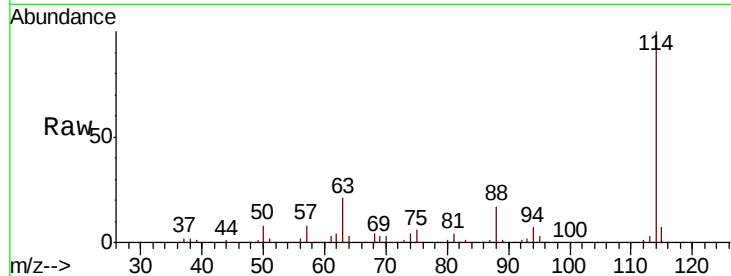




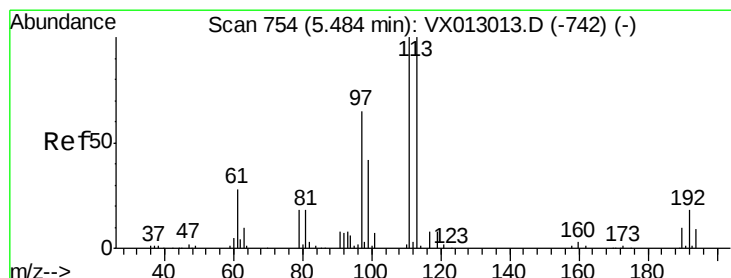
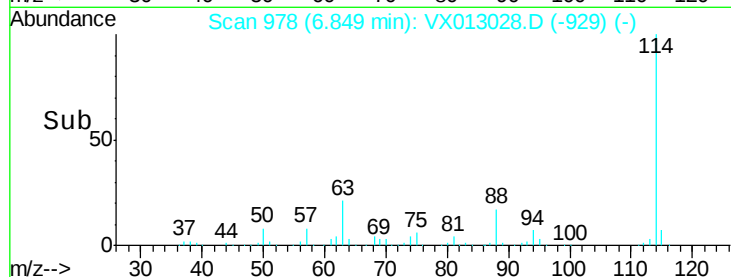
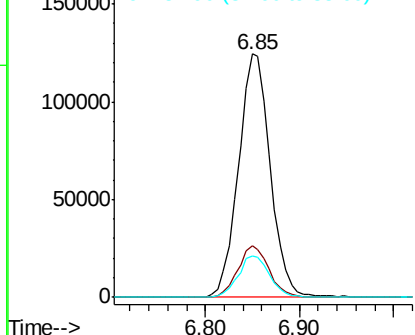
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013028.D
 Acq: 11 Oct 2019 19:50

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW7330

Tot Ion:114 Resp: 292661
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 40.8
 88 17.1 0.0 33.8

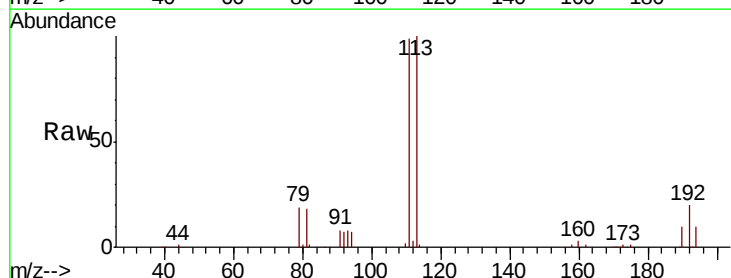


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

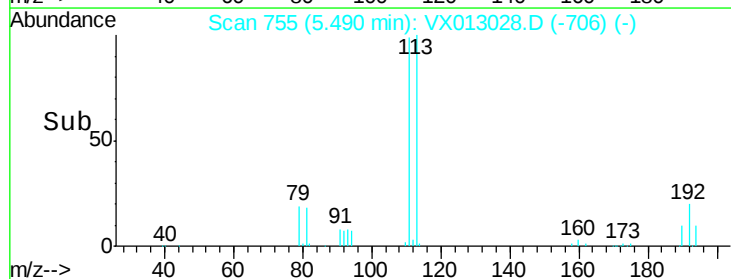
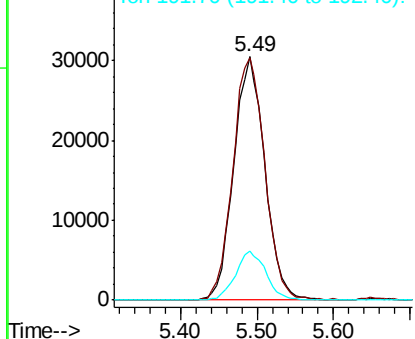


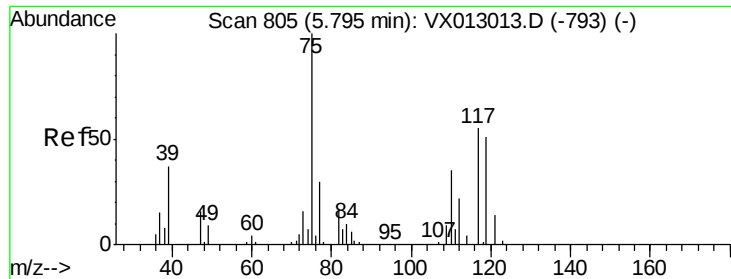
#35
 Dibromofluoromethane
 Concen: 51.073 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX013028.D
 Acq: 11 Oct 2019 19:50

Tgt Ion:113 Resp: 85789
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.2 124.8
 192 19.4 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

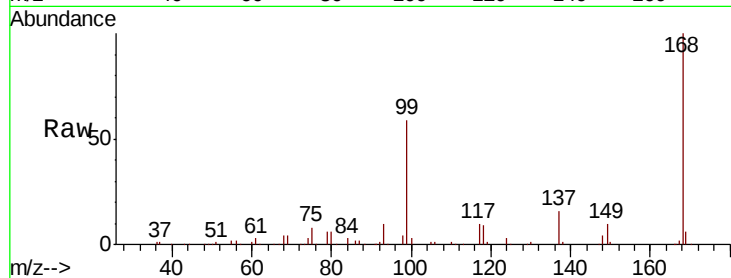




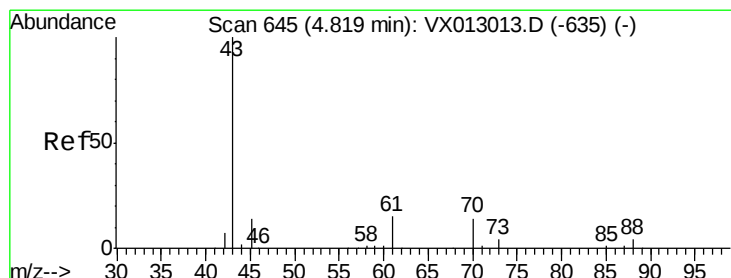
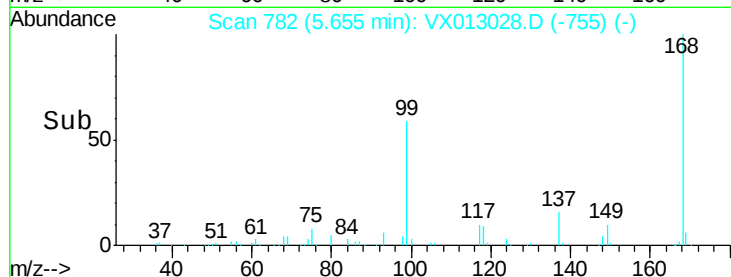
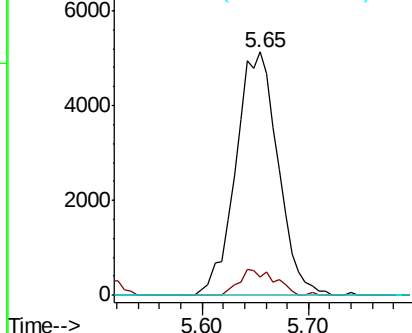
#36
 1,1-Dichloropropene
 Concen: 5.542 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX013028.D
 Acq: 11 Oct 2019 19:50

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW7330

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.6	52.9#
77	0.0	24.4	36.6#

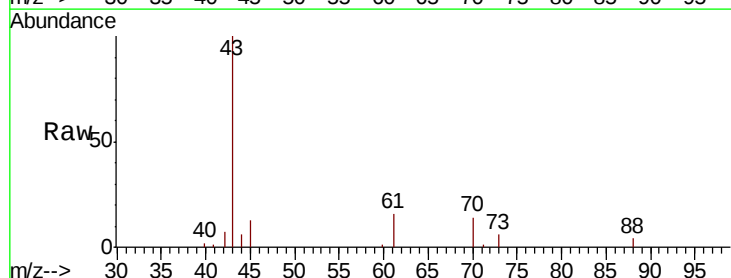


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

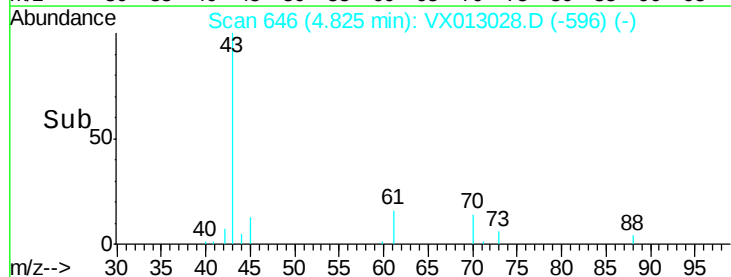
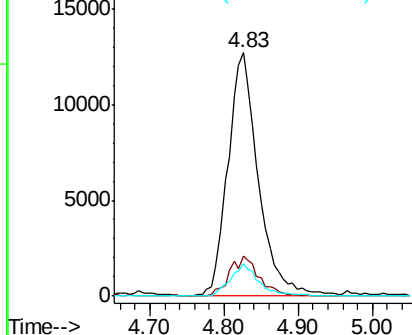


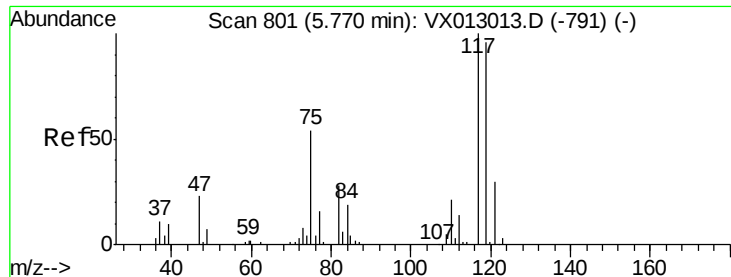
#37
 Ethyl Acetate
 Concen: 12.671 ug/l
 RT: 4.83 min Scan# 646
 Delta R.T. 0.01 min
 Lab File: VX013028.D
 Acq: 11 Oct 2019 19:50

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.4	17.0
70	12.3	9.8	14.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 7.140 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013028.D

Acq: 11 Oct 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW7330

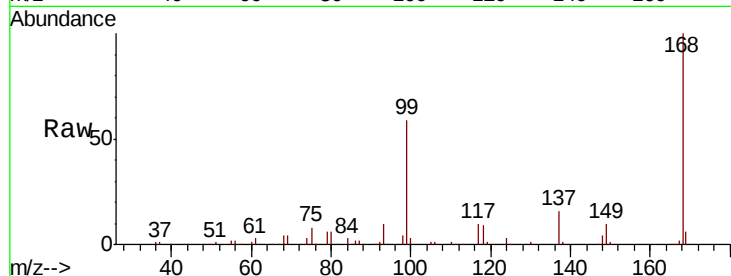
Tot Ion:117 Resp: 17883

Ion Ratio Lower Upper

117 100

119 5.2 74.5 111.7#

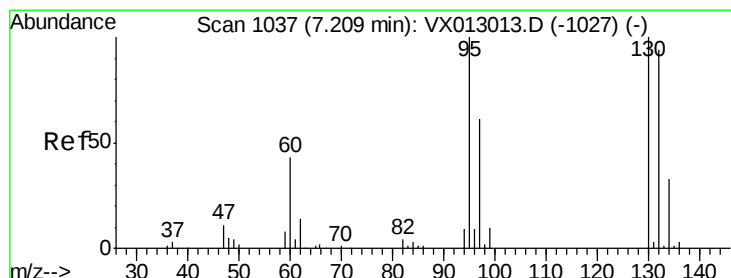
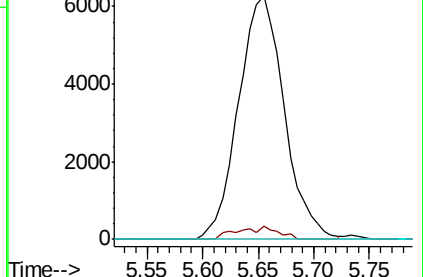
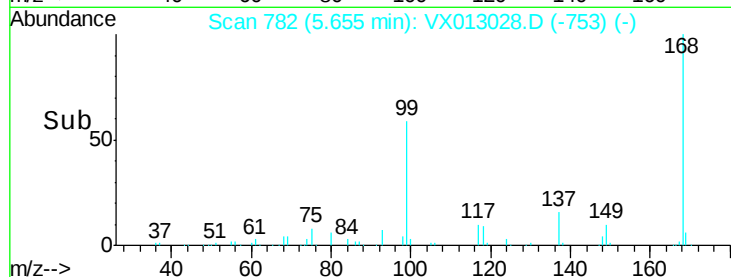
121 0.0 24.2 36.4#



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



#44

Trichloroethene

Concen: 0.939 ug/l

RT: 7.20 min Scan# 1035

Delta R.T. -0.01 min

Lab File: VX013028.D

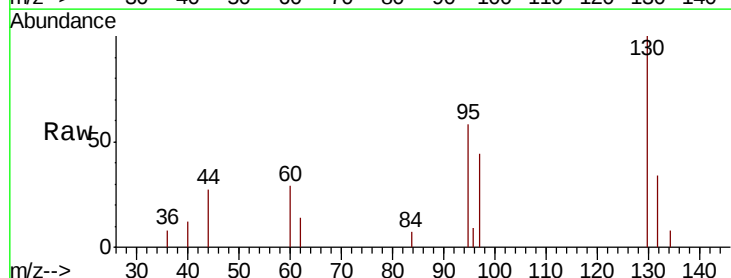
Acq: 11 Oct 2019 19:50

Tgt Ion:130 Resp: 1978

Ion Ratio Lower Upper

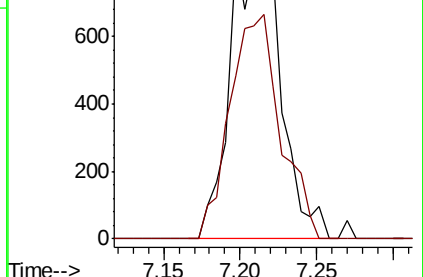
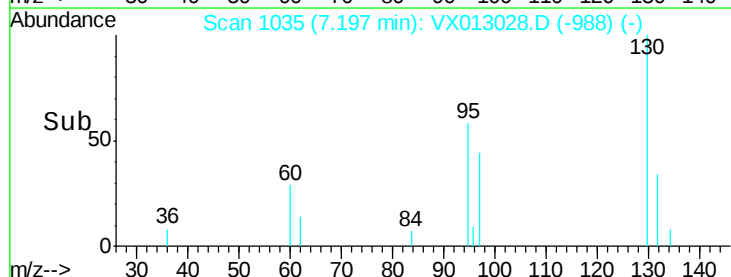
130 100

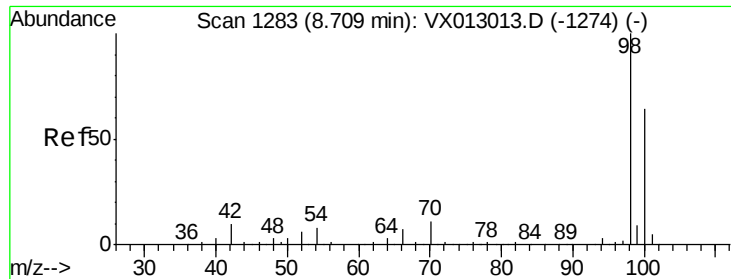
95 57.6 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

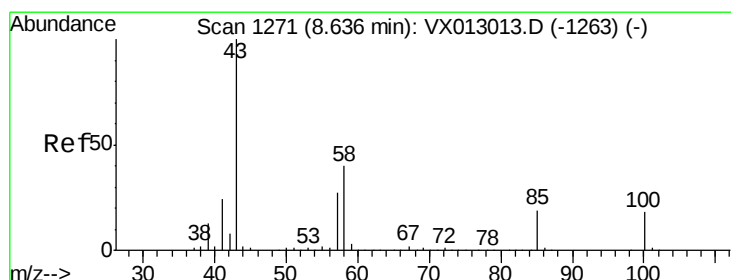
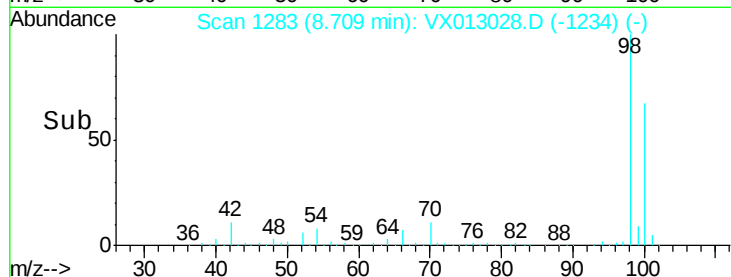
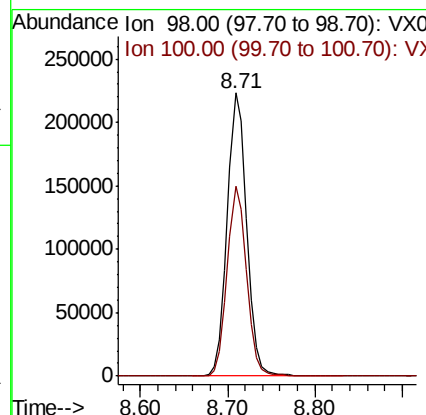
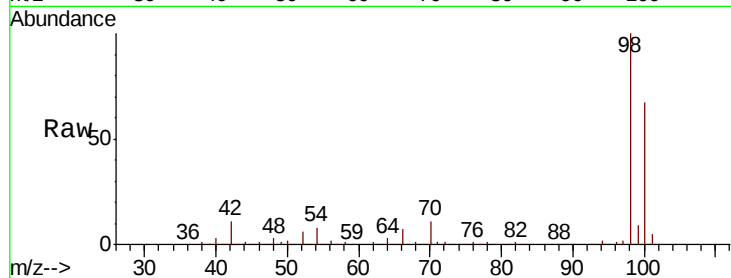




#50
Toluene-d8
Concen: 52.399 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013028.D
Acq: 11 Oct 2019 19:50

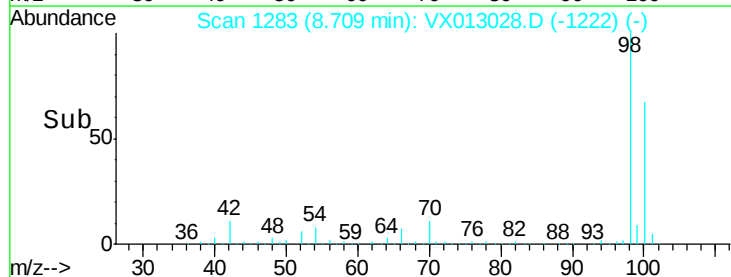
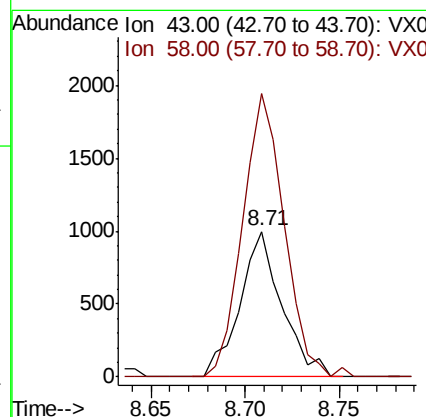
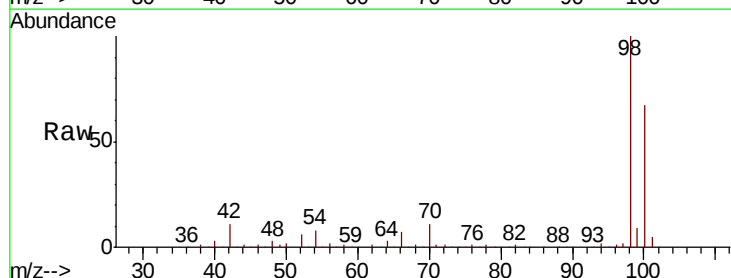
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW7330

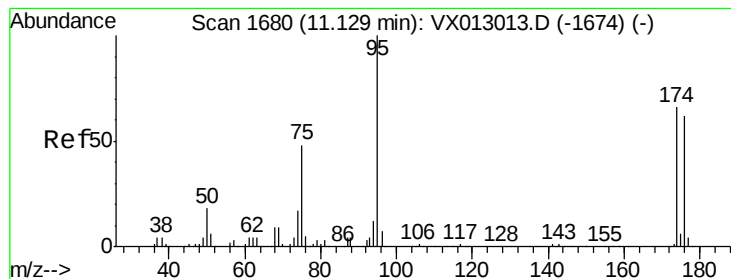
Tot Ion: 98 Resp: 343280
Ion Ratio Lower Upper
98 100
100 67.0 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.536 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX013028.D
Acq: 11 Oct 2019 19:50

Tgt Ion: 43 Resp: 1542
Ion Ratio Lower Upper
43 100
58 192.8 32.4 48.6#





#62

4-Bromofluorobenzene

Concen: 46.575 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013028.D

Acq: 11 Oct 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW7330

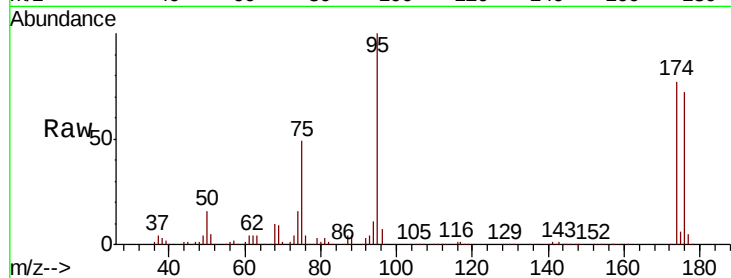
Tot Ion: 95 Resp: 118559

Ion Ratio Lower Upper

95 100

174 73.2 0.0 143.4

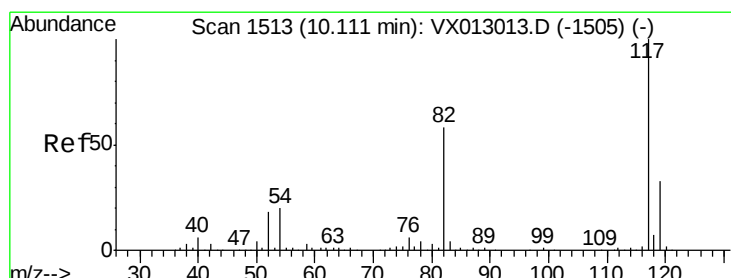
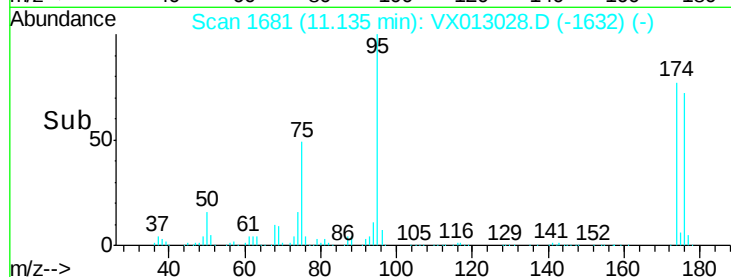
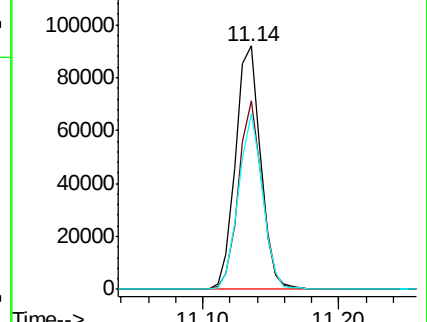
176 69.4 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX013013.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX013013.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX013013.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013028.D

Acq: 11 Oct 2019 19:50

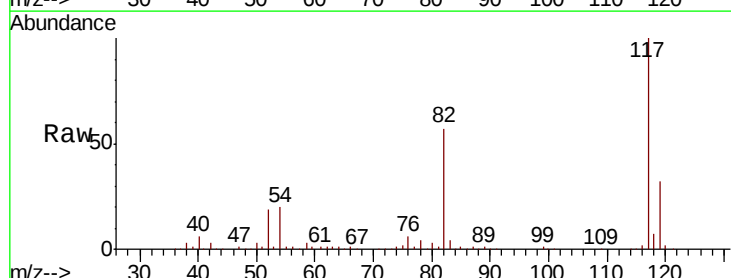
Tgt Ion: 117 Resp: 251033

Ion Ratio Lower Upper

117 100

82 56.5 44.1 66.1

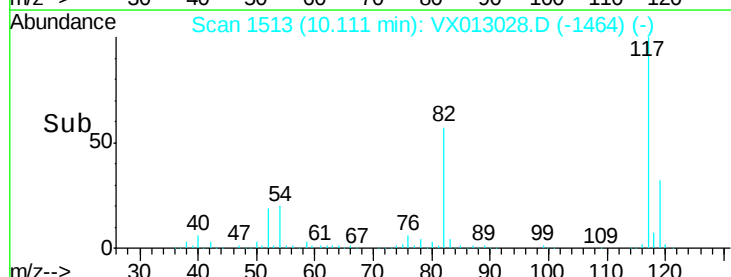
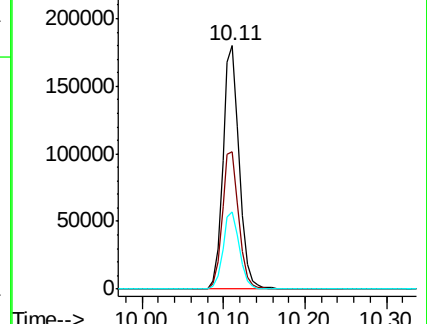
119 31.8 25.8 38.8

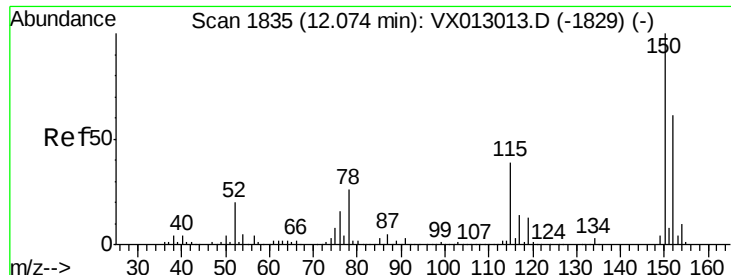


Abundance Ion 116.90 (116.60 to 117.60): VX013013.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX013013.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX013013.D (-1505) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013028.D

Acq: 11 Oct 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW7330

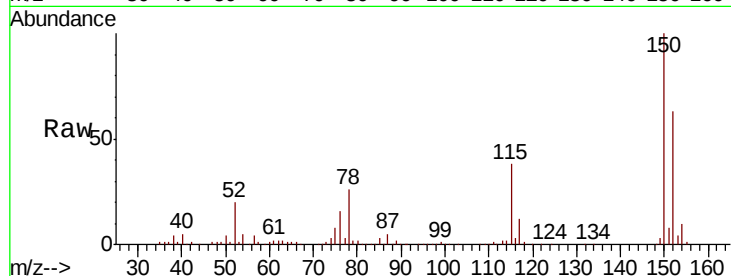
Tot Ion:152 Resp: 101436

Ion Ratio Lower Upper

152 100

115 63.5 44.5 133.5

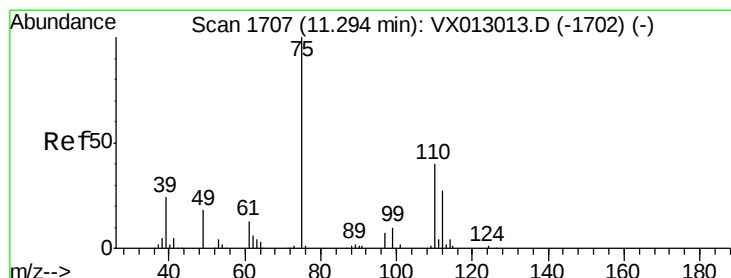
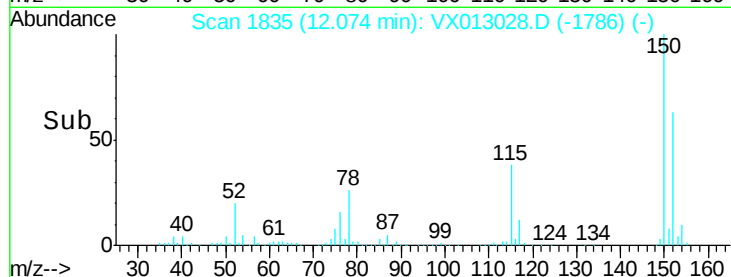
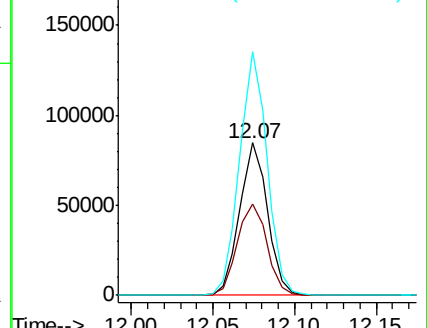
150 157.6 0.0 353.4



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: 26.541 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX013028.D

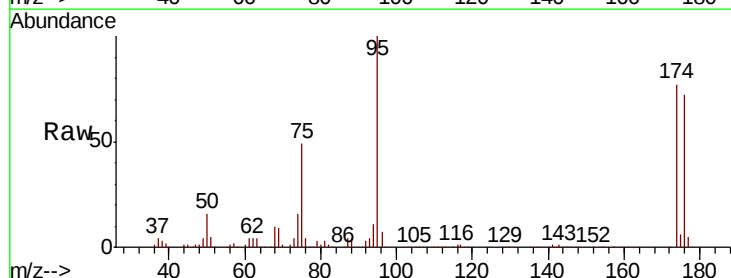
Acq: 11 Oct 2019 19:50

Tgt Ion: 75 Resp: 59712

Ion Ratio Lower Upper

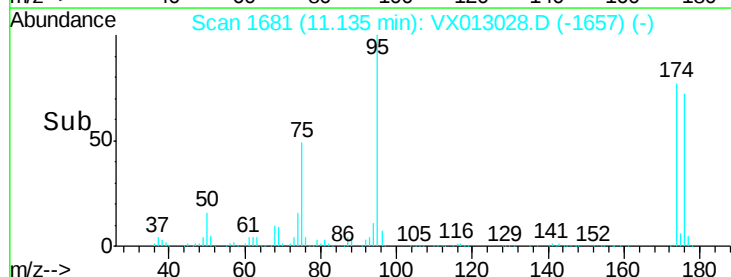
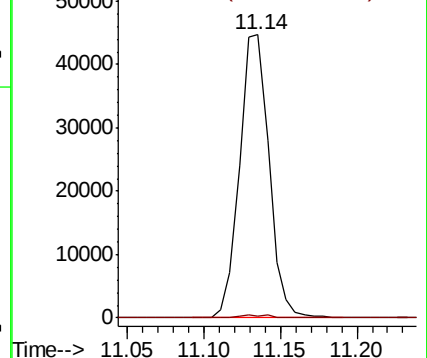
75 100

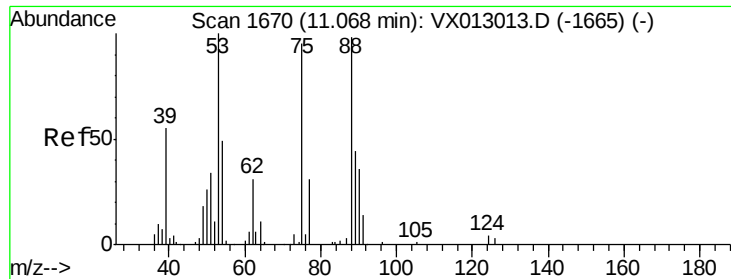
77 1.1 22.9 68.8#



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: 66.758 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013028.D

Acq: 11 Oct 2019 19:50

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW7330

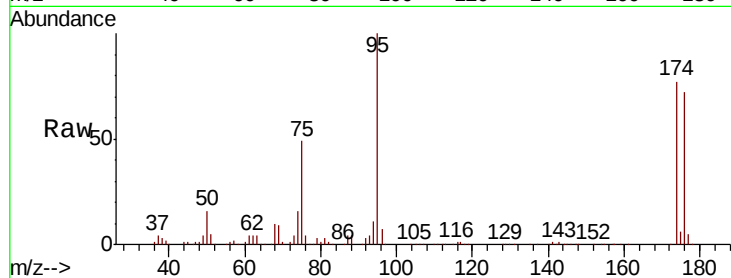
Tot Ion: 75 Resp: 59712

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

