

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012969.D
 Acq On : 10 Oct 2019 02:37
 Operator : JC/SP
 Sample : K5260-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0017

Quant Time: Oct 10 06:50:01 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	177195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	301648	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	261047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	104007	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	117085	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	
35) Dibromofluoromethane	5.49	113	89689	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
50) Toluene-d8	8.71	98	353986	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
62) 4-Bromofluorobenzene	11.14	95	122013	46.50	ug/l	0.00
Spiked Amount			Recovery	=	93.00%	

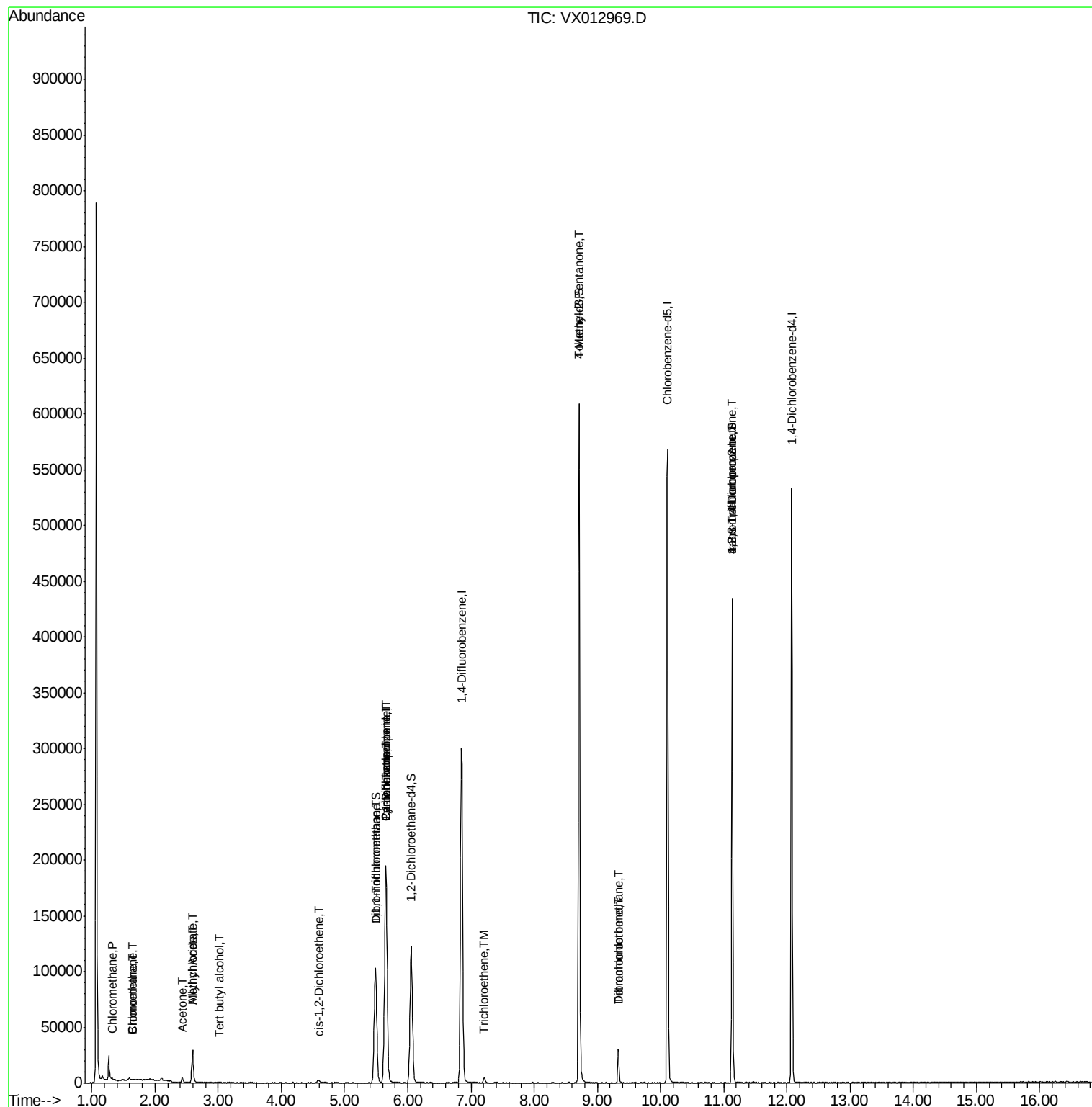
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	627	0.319	ug/l #	83
5) Bromomethane	1.65	94	196	0.232	ug/l	96
6) Chloroethane	1.65	64	2102	2.051	ug/l #	43
11) Tert butyl alcohol	3.02	59	903	1.538	ug/l #	72
14) Allyl chloride	2.59	41	3132	0.982	ug/l #	60
16) Acetone	2.43	43	4898	4.196	ug/l	100
18) Methyl Acetate	2.59	43	8420	3.043	ug/l #	51
27) cis-1,2-Dichloroethene	4.58	96	1504	0.680	ug/l	84
31) Cyclohexane	5.65	56	3772	1.173	ug/l #	1
32) 1,1,1-Trichloroethane	5.49	97	783	0.262	ug/l #	39
36) 1,1-Dichloropropene	5.65	75	14406	5.432	ug/l #	51
38) Carbon Tetrachloride	5.65	117	19613	7.598	ug/l #	17
44) Trichloroethene	7.22	130	1918	0.883	ug/l	86
51) 4-Methyl-2-Pentanone	8.71	43	1610	0.543	ug/l #	1
60) Dibromochloromethane	9.33	129	5519	4.265	ug/l #	10
64) Tetrachloroethene	9.33	164	5730	3.165	ug/l	88
76) 1,2,3-Trichloropropane	11.14	75	61488	26.654	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	61488	67.027	ug/l #	10

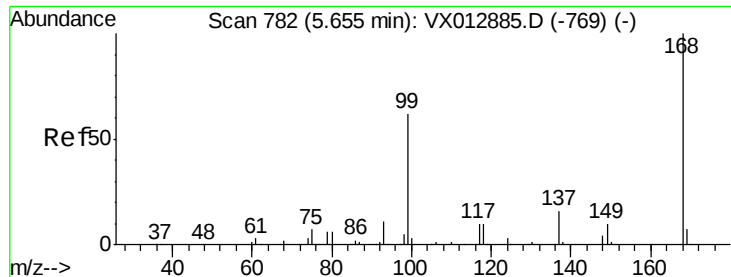
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 782

Delta R.T. 0.00 min

Lab File: VX012969.D

Acq: 10 Oct 2019 02:37

Instrument :

MSVOA_X

ClientSampleId :

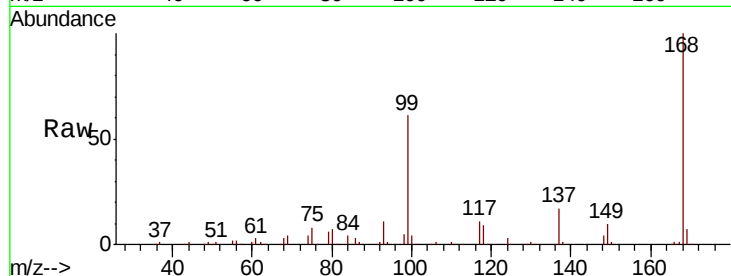
FA19-MMW0017

Tot Ion:168 Resp: 177195

Ion Ratio Lower Upper

168 100

99 60.6 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): VX012885.D (-769) (-)

Ion 98.90 (98.60 to 99.60): VX012885.D (-769) (-)

5.65

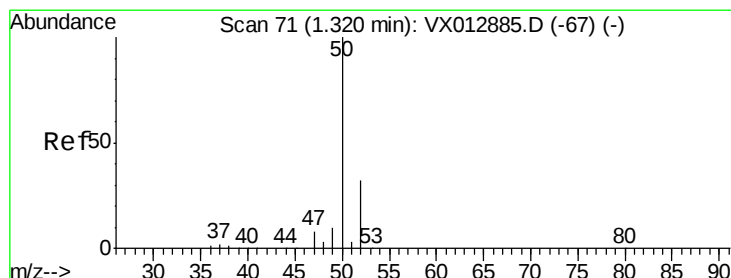
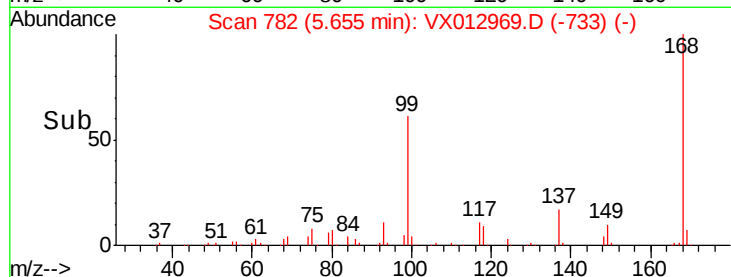
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.319 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012969.D

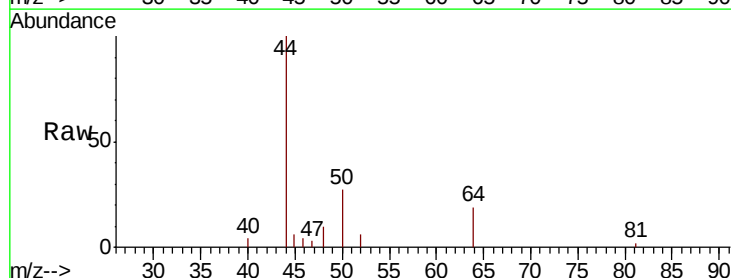
Acq: 10 Oct 2019 02:37

Tgt Ion: 50 Resp: 627

Ion Ratio Lower Upper

50 100

52 22.0 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX012885.D (-67) (-)

Ion 51.90 (51.60 to 52.60): VX012885.D (-67) (-)

1.32

800

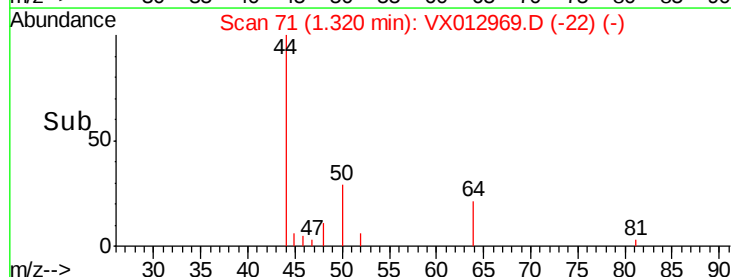
600

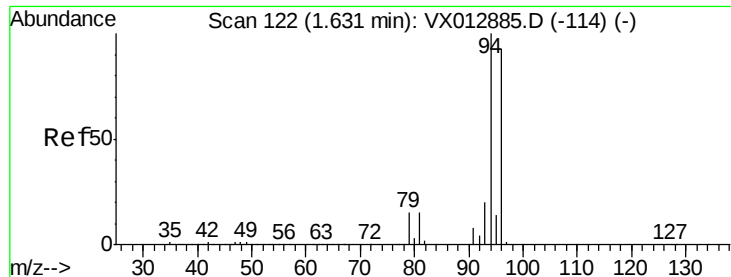
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.232 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012969.D

Acq: 10 Oct 2019 02:37

Instrument :

MSVOA_X

ClientSampleId :

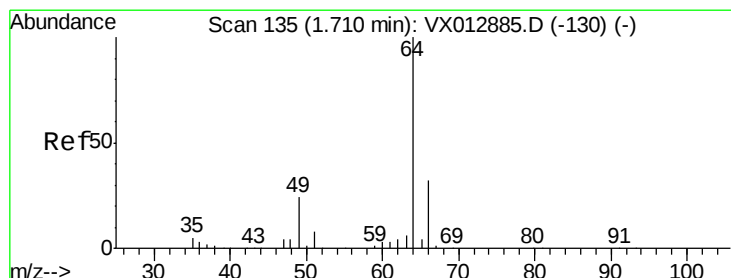
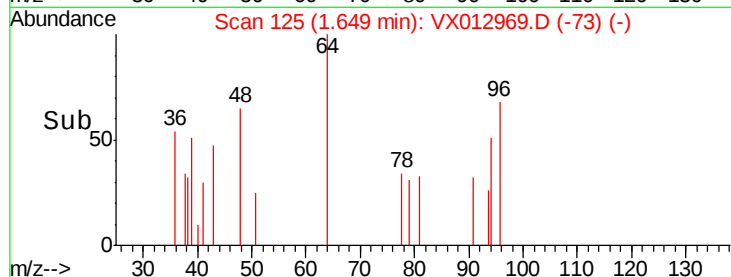
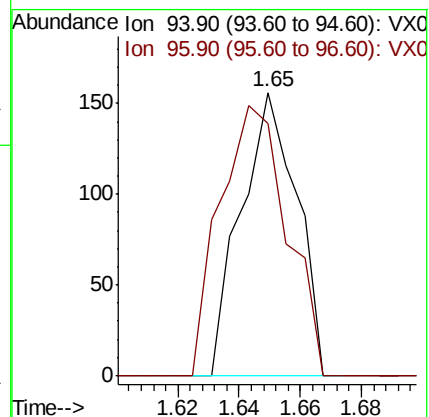
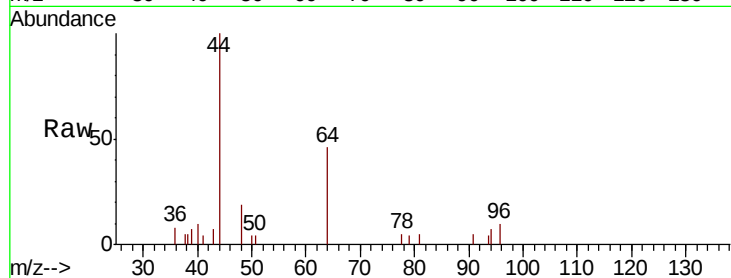
FA19-MMW0017

Tot Ion: 94 Resp: 196

Ion Ratio Lower Upper

94 100

96 89.1 74.7 112.1



#6

Chloroethane

Concen: 2.051 ug/l

RT: 1.65 min Scan# 125

Delta R.T. -0.06 min

Lab File: VX012969.D

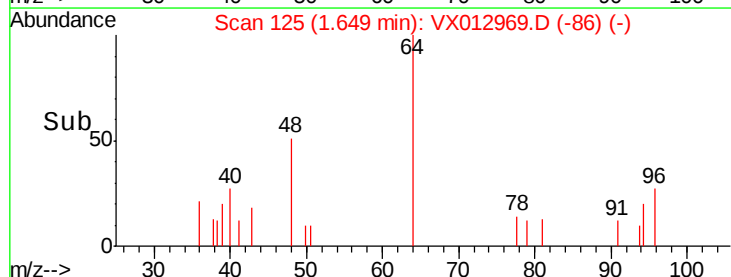
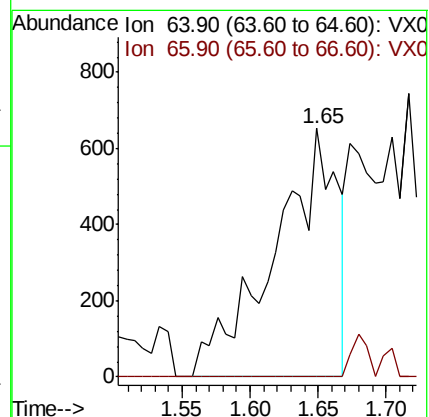
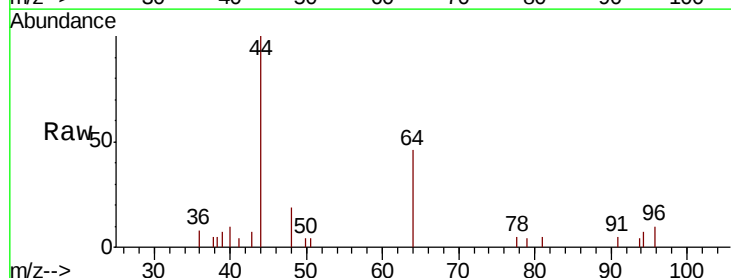
Acq: 10 Oct 2019 02:37

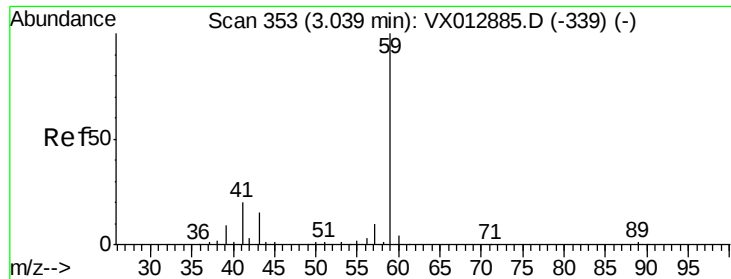
Tgt Ion: 64 Resp: 2102

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#

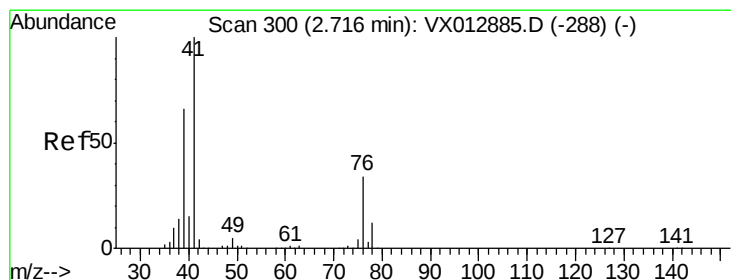
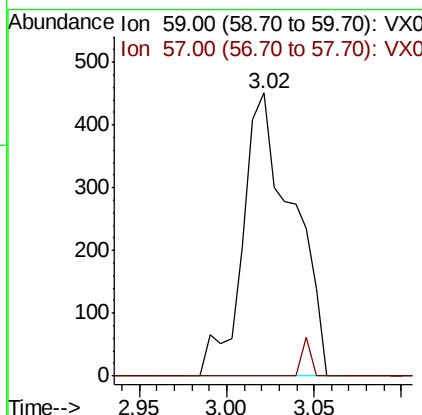
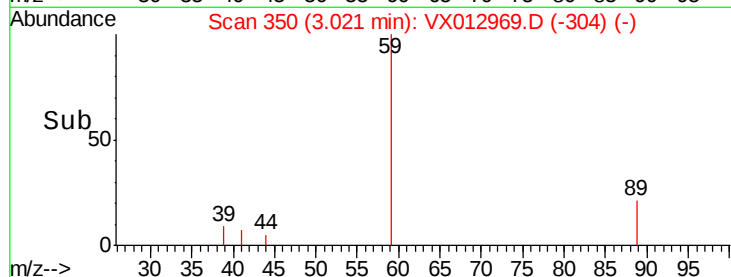
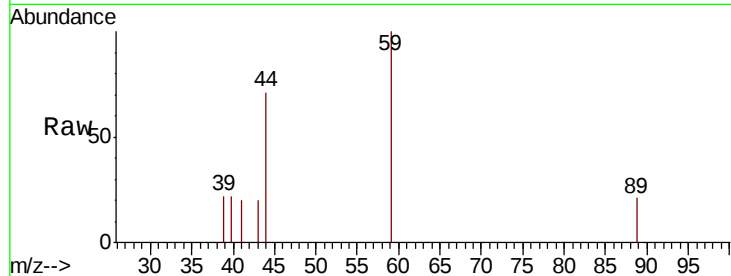




#11
Tert butyl alcohol
Concen: 1.538 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX012969.D
Acq: 10 Oct 2019 02:37

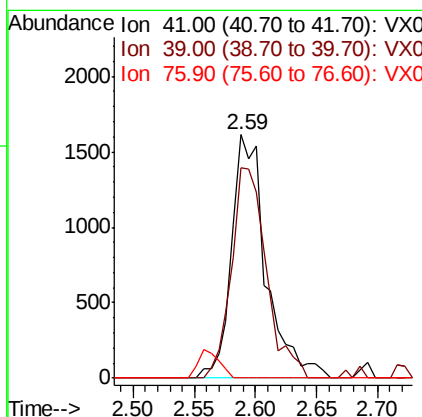
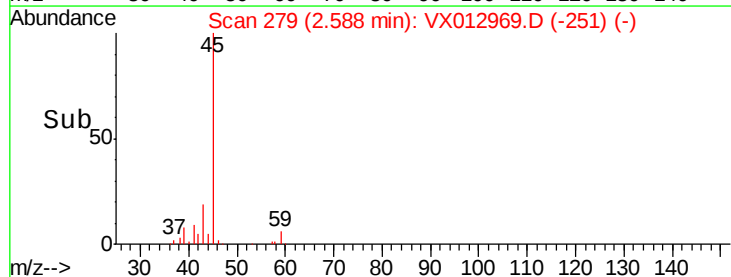
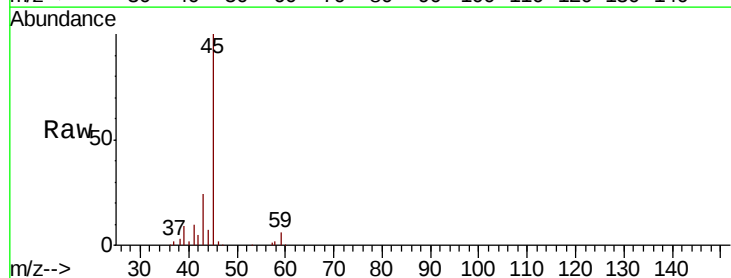
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0017

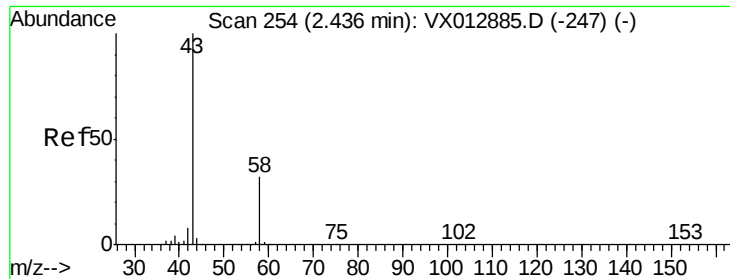
Tot Ion: 59 Resp: 903
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#14
Allyl chloride
Concen: 0.982 ug/l
RT: 2.59 min Scan# 279
Delta R.T. -0.13 min
Lab File: VX012969.D
Acq: 10 Oct 2019 02:37

Tgt Ion: 41 Resp: 3132
Ion Ratio Lower Upper
41 100
39 87.8 51.0 76.6#
76 0.0 26.2 39.4#





#16

Acetone

Concen: 4.196 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012969.D

Acq: 10 Oct 2019 02:37

Instrument :

MSVOA_X

ClientSampleId :

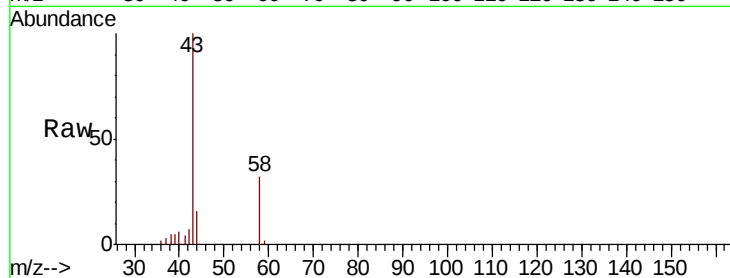
FA19-MMW0017

Tot Ion: 43 Resp: 4898

Ion Ratio Lower Upper

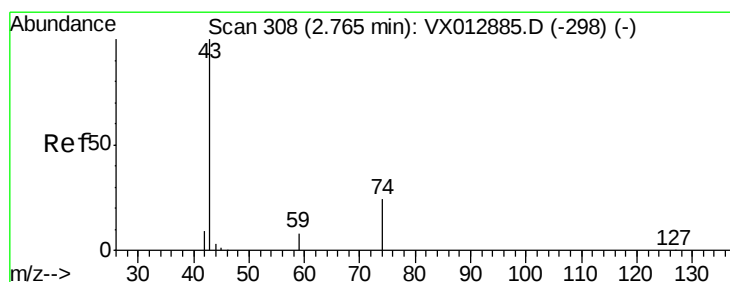
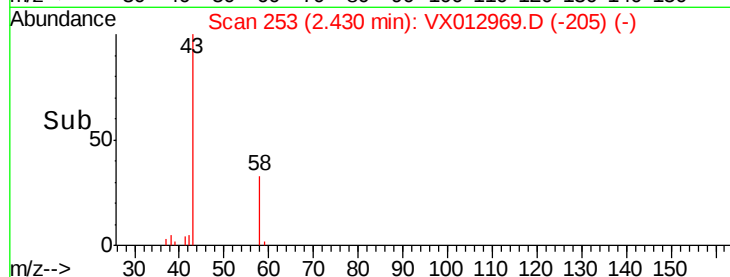
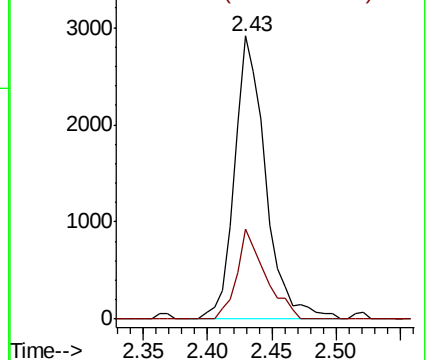
43 100

58 32.0 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 3.043 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012969.D

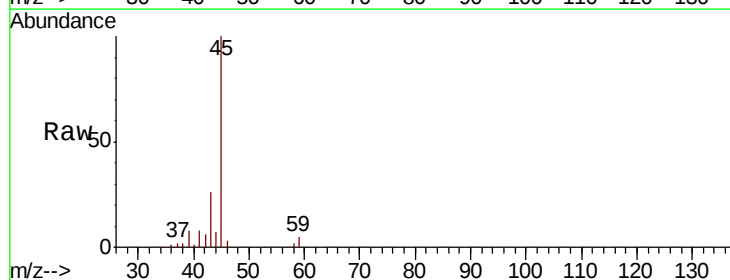
Acq: 10 Oct 2019 02:37

Tgt Ion: 43 Resp: 8420

Ion Ratio Lower Upper

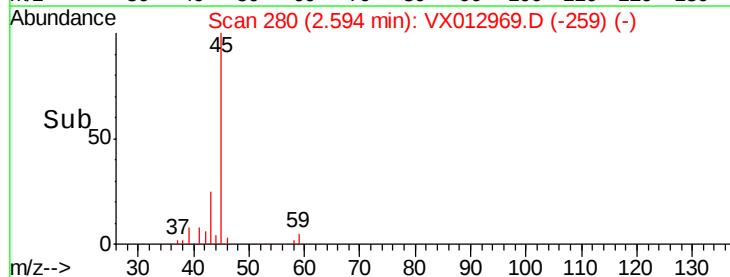
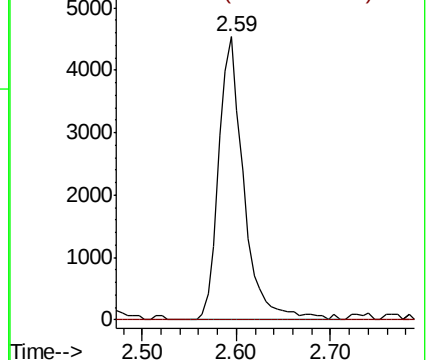
43 100

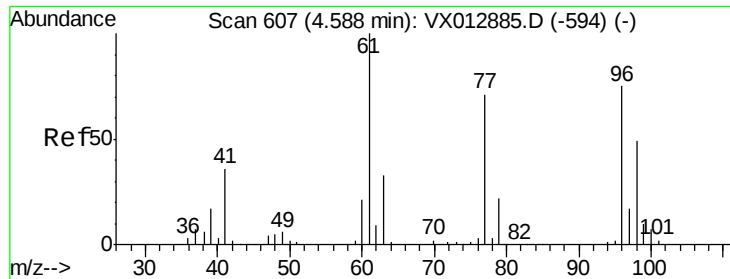
74 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



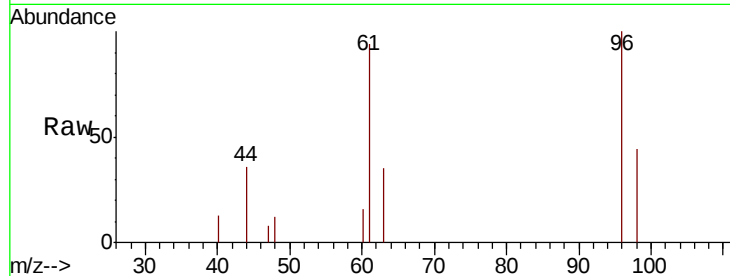


#27

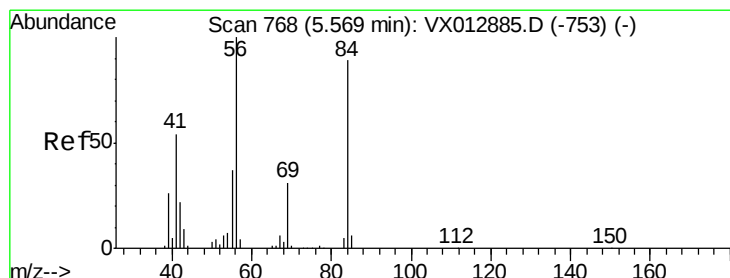
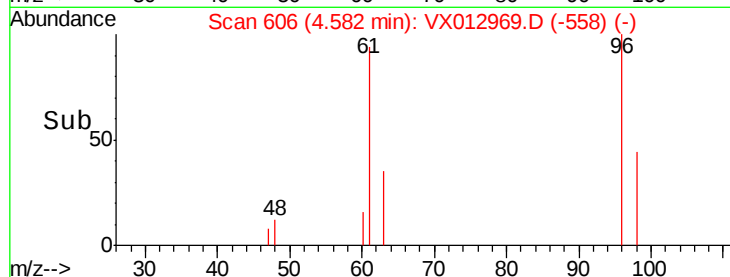
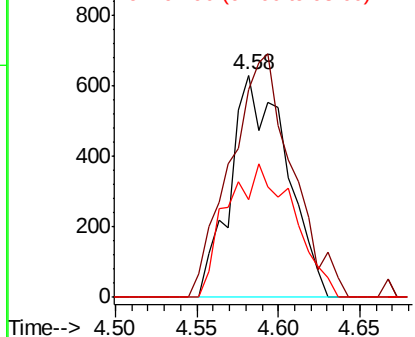
cis-1,2-Dichloroethene
 Concen: 0.680 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: VX012969.D
 Acq: 10 Oct 2019 02:37

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0017

Tot Ion: 96 Resp: 1504
 Ion Ratio Lower Upper
 96 100
 61 121.3 0.0 290.6
 98 71.9 0.0 128.8



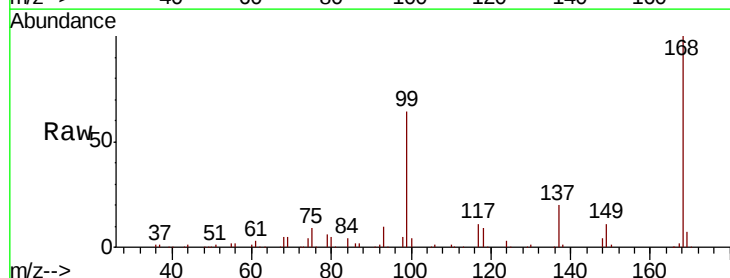
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



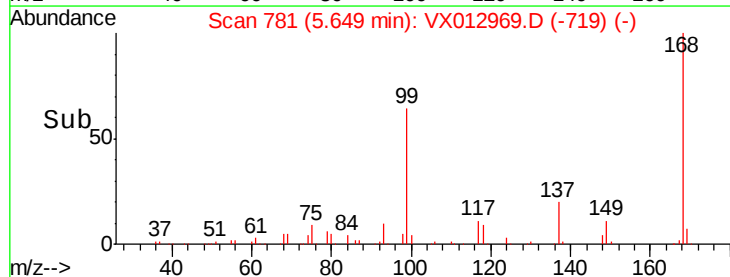
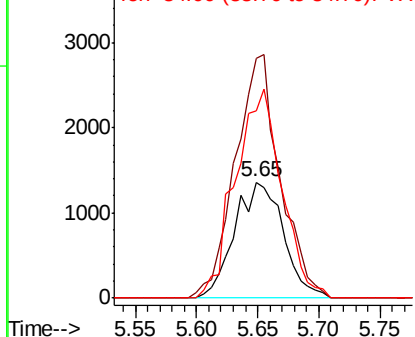
#31

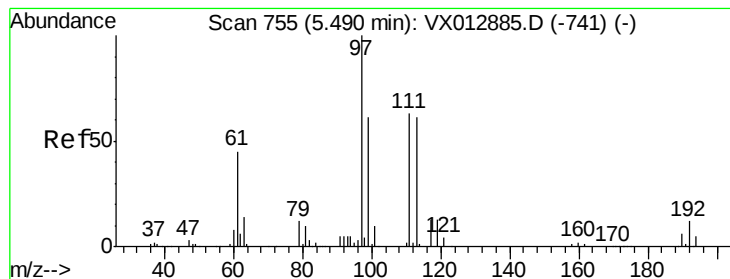
Cyclohexane
 Concen: 1.173 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.08 min
 Lab File: VX012969.D
 Acq: 10 Oct 2019 02:37

Tgt Ion: 56 Resp: 3772
 Ion Ratio Lower Upper
 56 100
 69 206.4 25.2 37.8#
 84 161.0 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





#32

1,1,1-Trichloroethane

Concen: 0.262 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012969.D

Acq: 10 Oct 2019 02:37

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0017

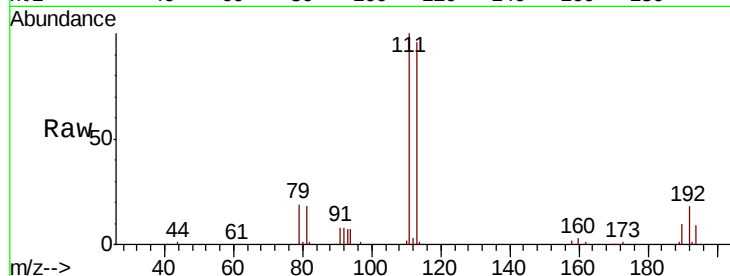
Tot Ion: 97 Resp: 783

Ion Ratio Lower Upper

97 100

99 0.0 52.3 78.5#

61 25.0 35.0 52.4#



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

5.49

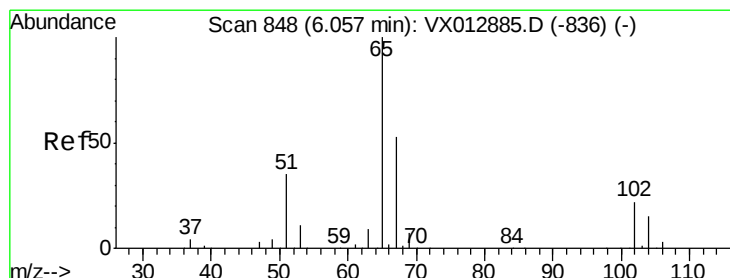
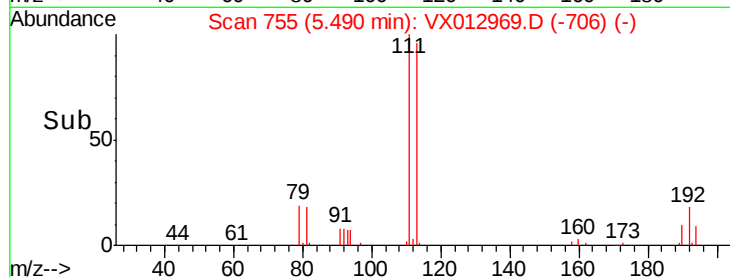
300

200

100

0

Time--> 5.40 5.45 5.50 5.55



#33

1,2-Dichloroethane-d4

Concen: 52.867 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.00 min

Lab File: VX012969.D

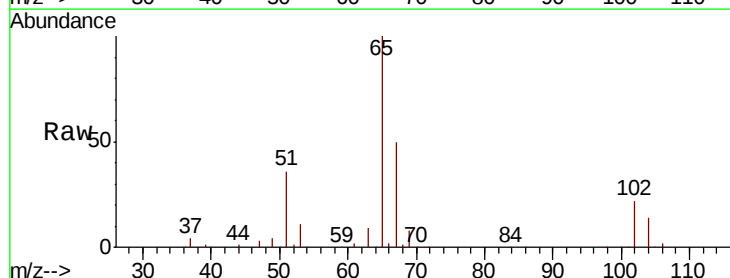
Acq: 10 Oct 2019 02:37

Tgt Ion: 65 Resp: 117085

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

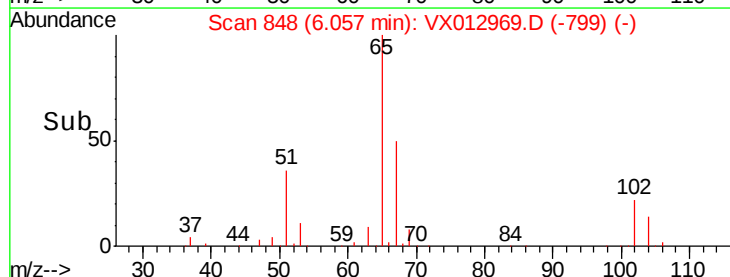
30000

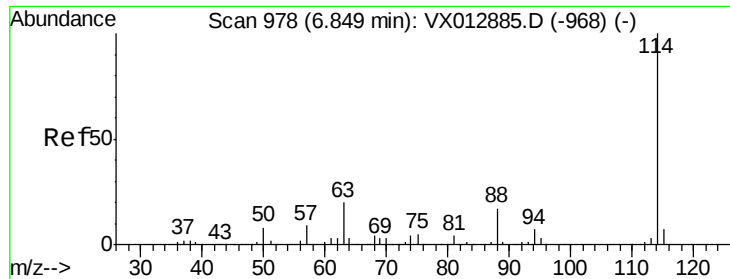
20000

10000

0

Time--> 5.90 6.00 6.10 6.20

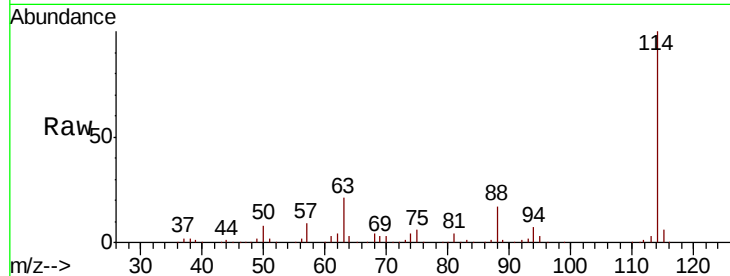




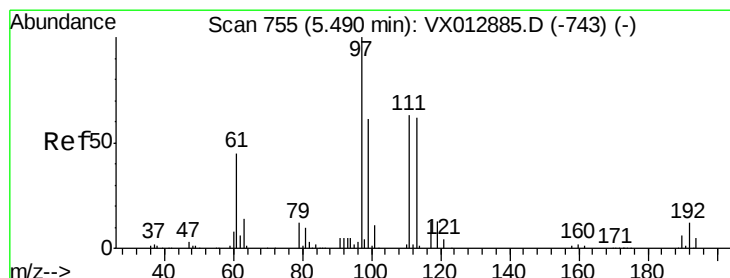
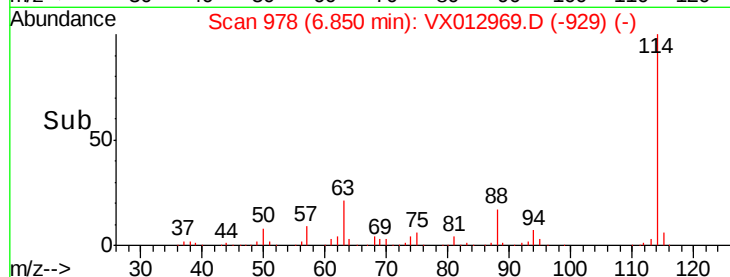
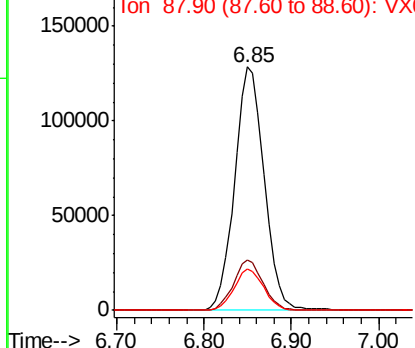
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012969.D
 Acq: 10 Oct 2019 02:37

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0017

Tot Ion:114 Resp: 301648
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.8
 88 17.2 0.0 33.8

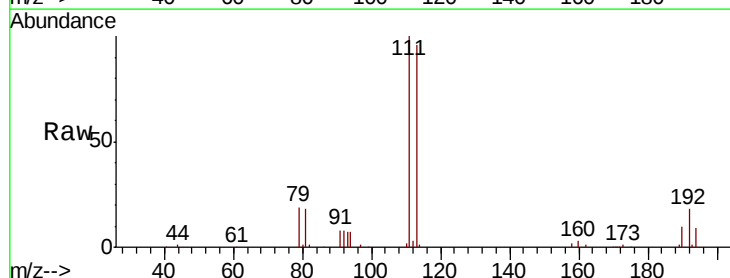


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

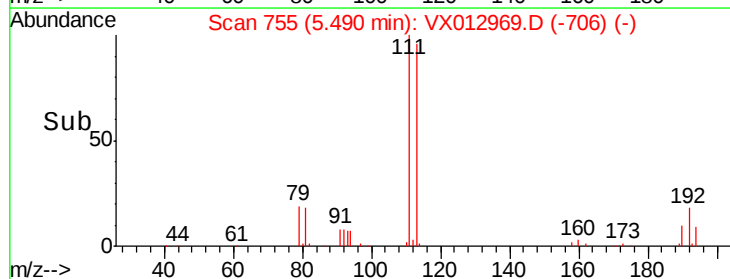
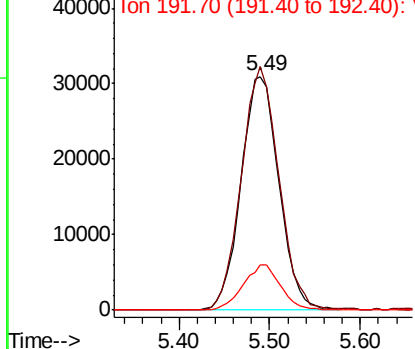


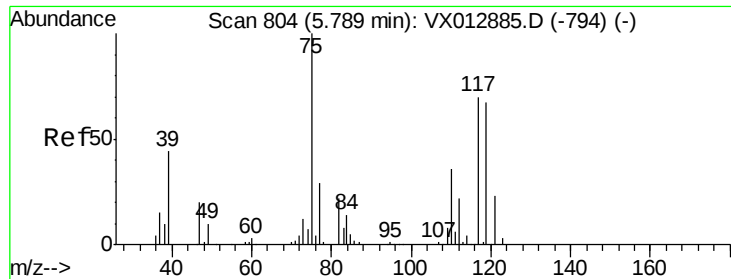
#35
 Dibromofluoromethane
 Concen: 51.804 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012969.D
 Acq: 10 Oct 2019 02:37

Tgt Ion:113 Resp: 89689
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.2 124.8
 192 19.1 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: 5.432 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012969.D

Acq: 10 Oct 2019 02:37

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0017

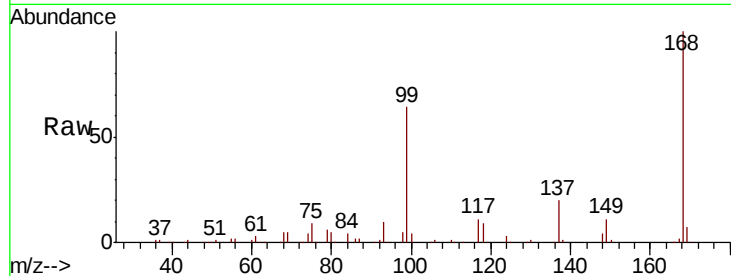
Tot Ion: 75 Resp: 14406

Ion Ratio Lower Upper

75 100

110 9.9 17.6 52.9#

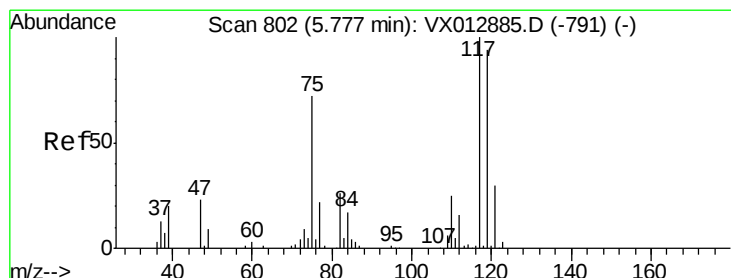
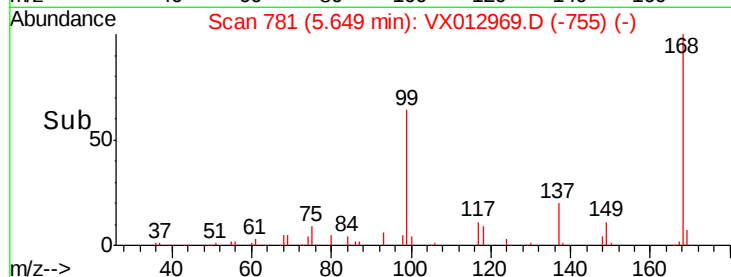
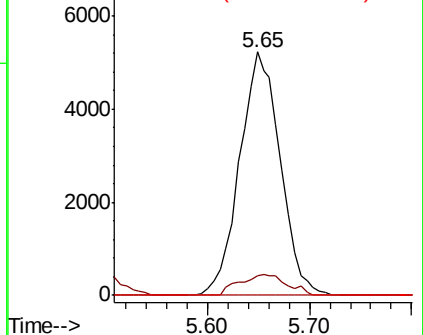
77 0.0 24.4 36.6#



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



#38

Carbon Tetrachloride

Concen: 7.598 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012969.D

Acq: 10 Oct 2019 02:37

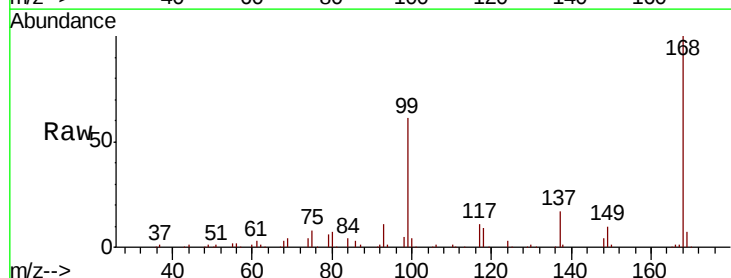
Tgt Ion: 117 Resp: 19613

Ion Ratio Lower Upper

117 100

119 4.3 74.5 111.7#

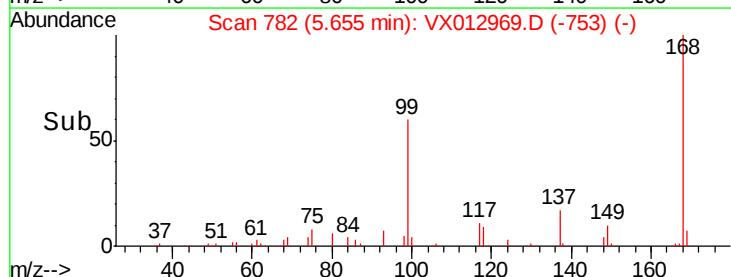
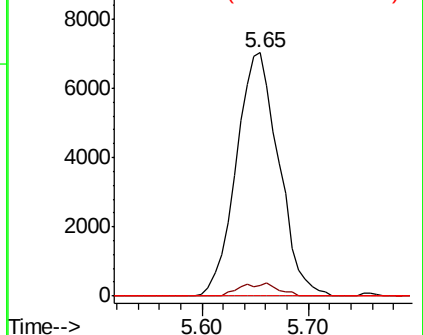
121 0.0 24.2 36.4#

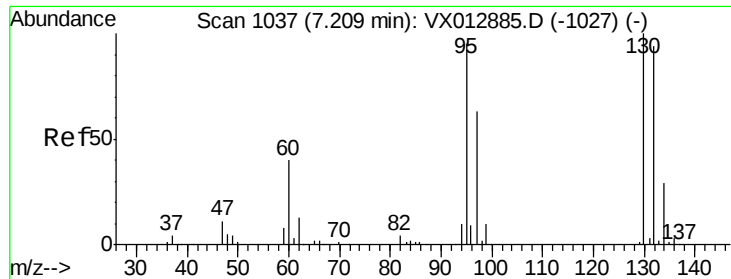


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.883 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX012969.D

Acq: 10 Oct 2019 02:37

Instrument :

MSVOA_X

ClientSampleId :

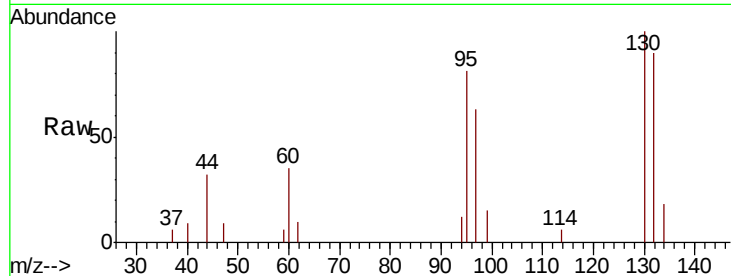
FA19-MMW0017

Tot Ion:130 Resp: 1918

Ion Ratio Lower Upper

130 100

95 80.8 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

800

600

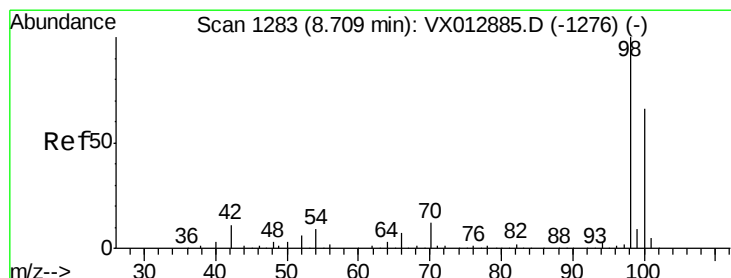
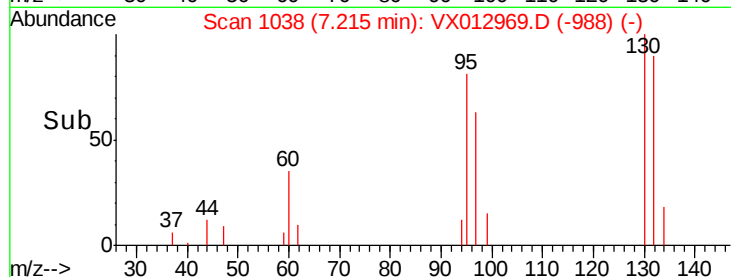
400

200

0

7.15 7.20 7.25

Time-->



#50

Toluene-d8

Concen: 52.423 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012969.D

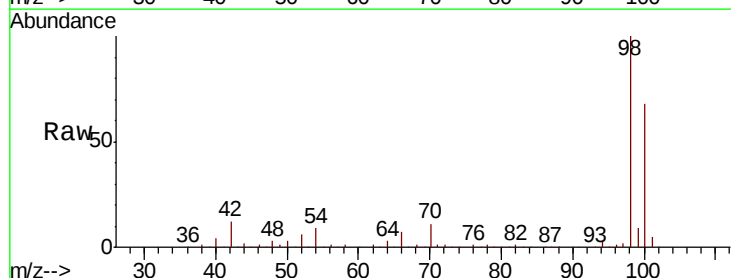
Acq: 10 Oct 2019 02:37

Tgt Ion: 98 Resp: 353986

Ion Ratio Lower Upper

98 100

100 67.6 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

250000

200000

150000

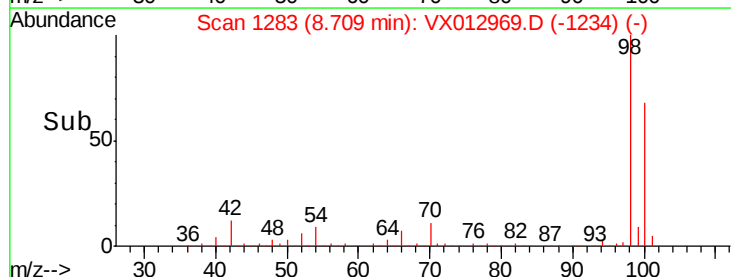
100000

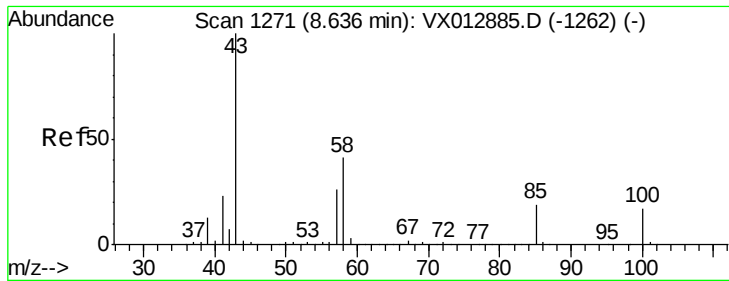
50000

0

8.60 8.70 8.80

Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.543 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012969.D

Acq: 10 Oct 2019 02:37

Instrument :

MSVOA_X

ClientSampleId :

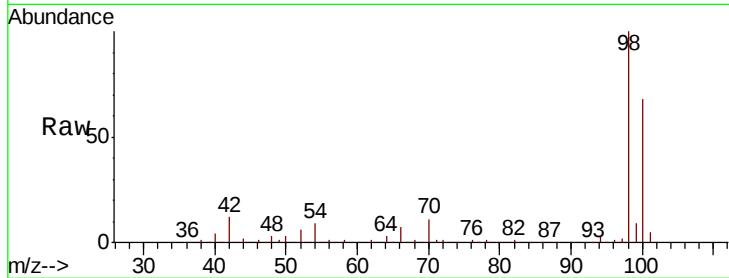
FA19-MMW0017

Tot Ion: 43 Resp: 1610

Ion Ratio Lower Upper

43 100

58 179.3 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VX012885.D (-1262) (-)

Ion 58.00 (57.70 to 58.70): VX012885.D (-1262) (-)

2500

2000

1500

1000

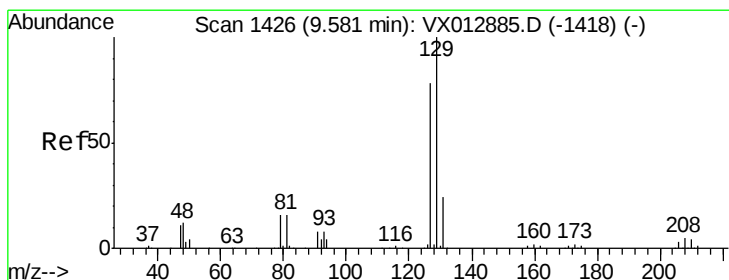
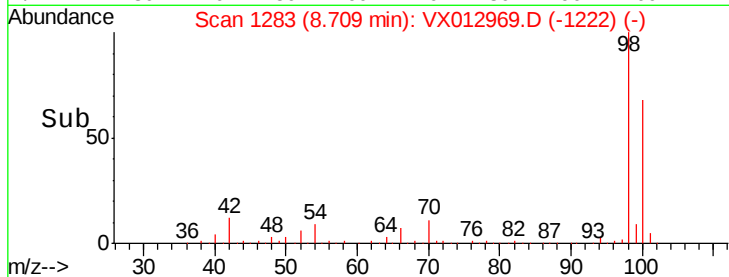
500

0

8.65 8.70 8.75

8.71

Time-->



#60

Dibromochloromethane

Concen: 4.265 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX012969.D

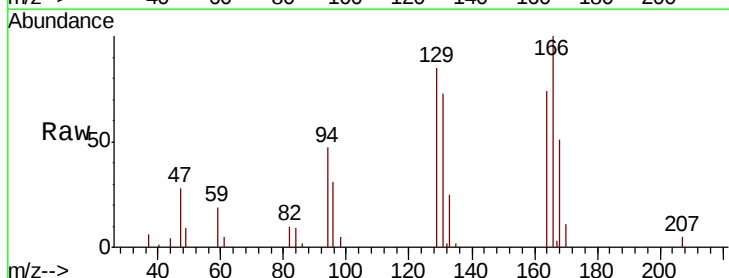
Acq: 10 Oct 2019 02:37

Tgt Ion: 129 Resp: 5519

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): VX012885.D (-1418) (-)

Ion 126.80 (126.50 to 127.50): VX012885.D (-1418) (-)

5000

4000

3000

2000

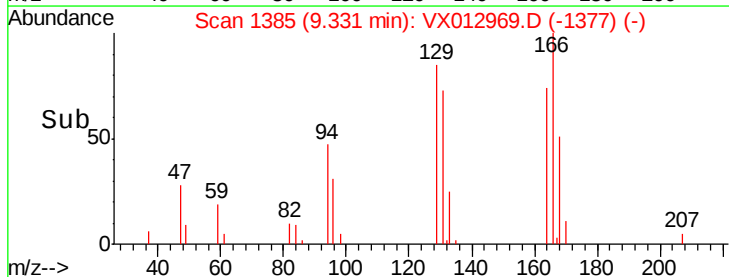
1000

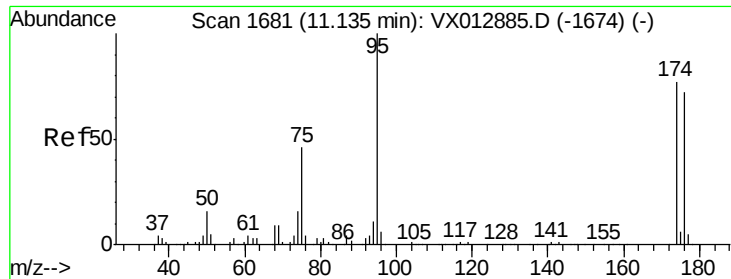
0

9.30 9.35 9.40

9.33

Time-->





#62

4-Bromofluorobenzene

Concen: 46.504 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012969.D

Acq: 10 Oct 2019 02:37

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0017

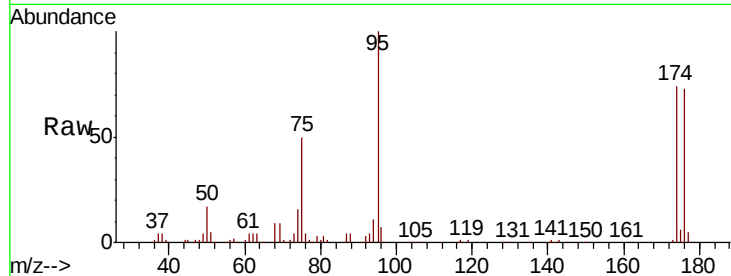
Tot Ion: 95 Resp: 122013

Ion Ratio Lower Upper

95 100

174 71.3 0.0 143.4

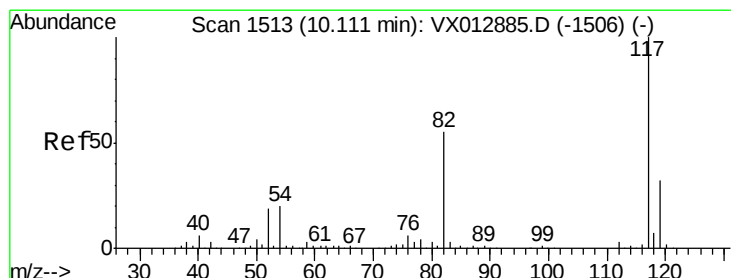
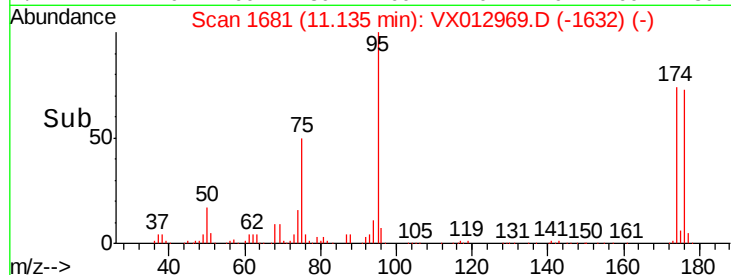
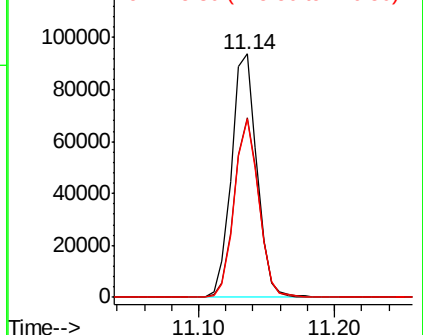
176 70.3 0.0 136.0



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: VX012969.D

Acq: 10 Oct 2019 02:37

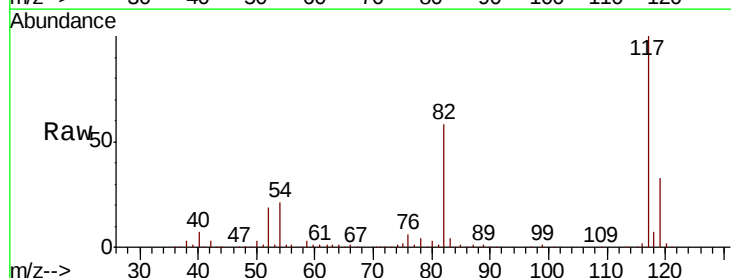
Tgt Ion: 117 Resp: 261047

Ion Ratio Lower Upper

117 100

82 57.7 44.1 66.1

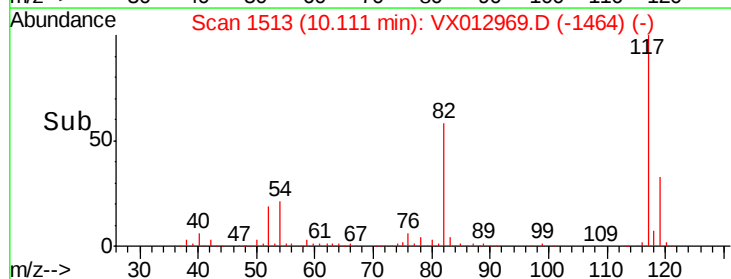
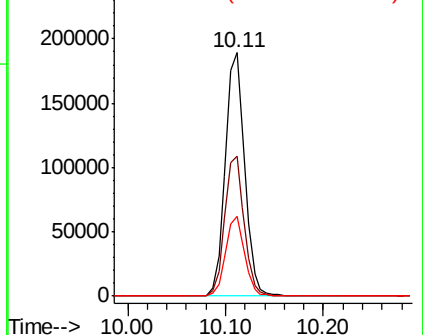
119 32.6 25.8 38.8

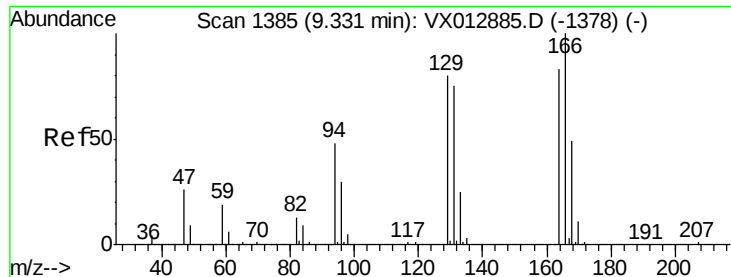


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

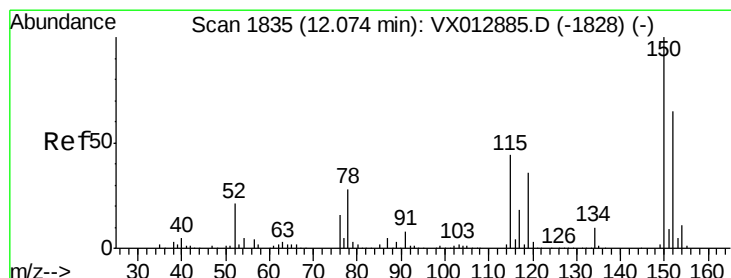
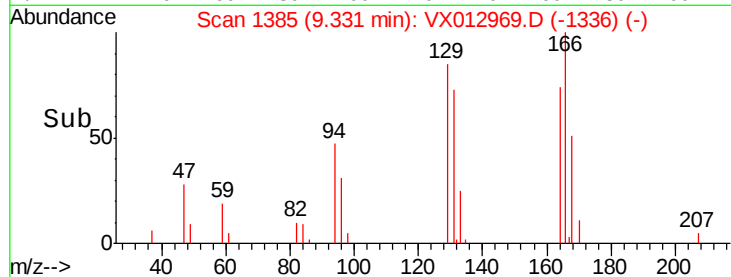
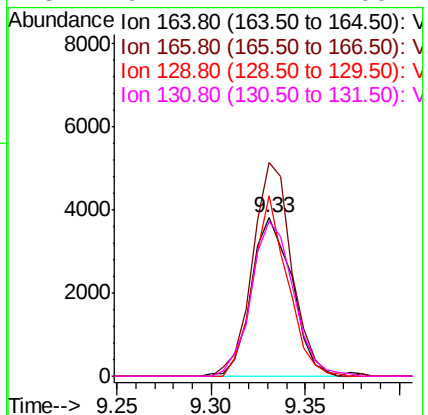
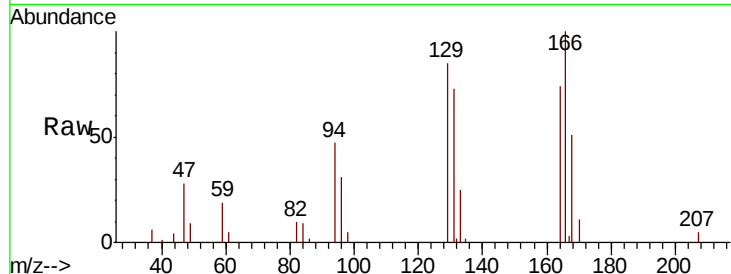




#64
Tetrachloroethene
Concen: 3.165 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012969.D
Acq: 10 Oct 2019 02:37

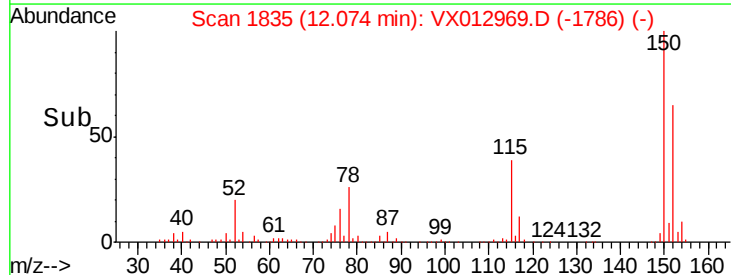
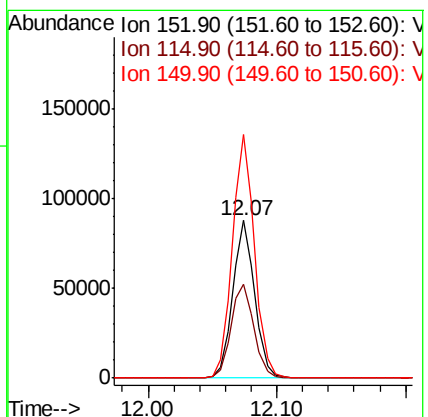
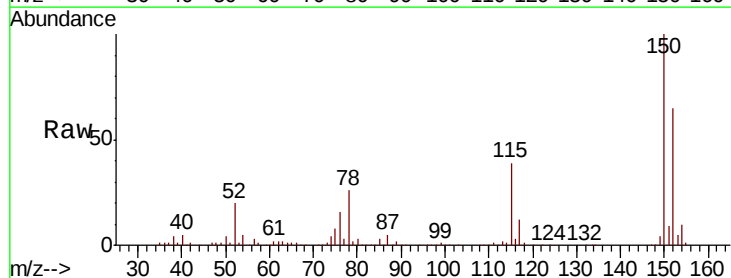
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0017

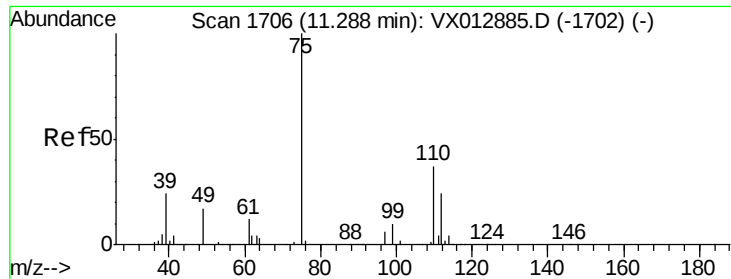
Tot Ion:164 Resp: 5730
Ion Ratio Lower Upper
164 100
166 134.6 96.9 145.3
129 113.9 77.9 116.9
131 97.7 72.7 109.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012969.D
Acq: 10 Oct 2019 02:37

Tgt Ion:152 Resp: 104007
Ion Ratio Lower Upper
152 100
115 62.3 44.5 133.5
150 156.7 0.0 353.4





#76

1,2,3-Trichloropropane

Concen: 26.654 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012969.D

Acq: 10 Oct 2019 02:37

Instrument :

MSVOA_X

ClientSampleId :

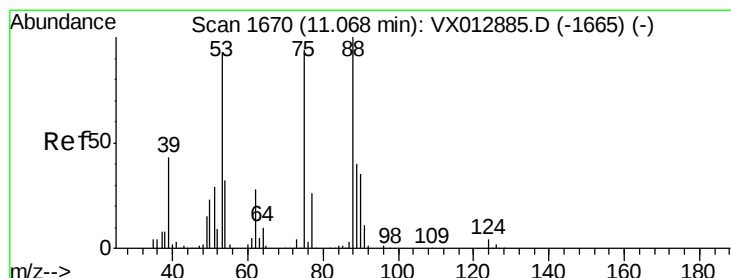
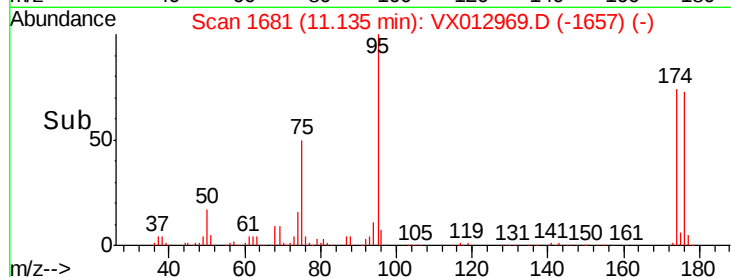
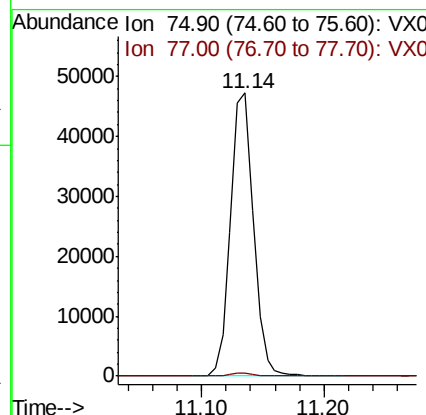
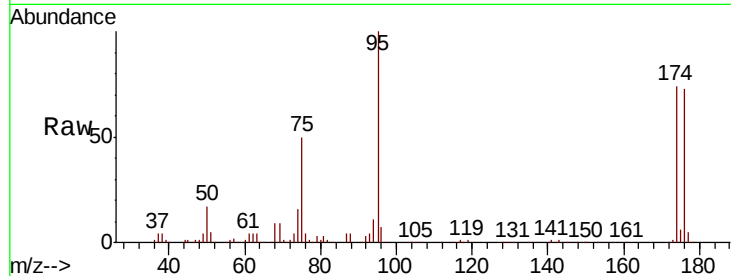
FA19-MMW0017

Tot Ion: 75 Resp: 61488

Ion Ratio Lower Upper

75 100

77 1.2 22.9 68.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.027 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012969.D

Acq: 10 Oct 2019 02:37

Tgt Ion: 75 Resp: 61488

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

