

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012946.D
 Acq On : 09 Oct 2019 16:32
 Operator : JC/SP
 Sample : K5234-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0007B

Quant Time: Oct 10 01:38:08 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	178940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	302418	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	260108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102086	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	115991	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
35) Dibromofluoromethane	5.49	113	89320	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
50) Toluene-d8	8.71	98	351938	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
62) 4-Bromofluorobenzene	11.14	95	120835	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	

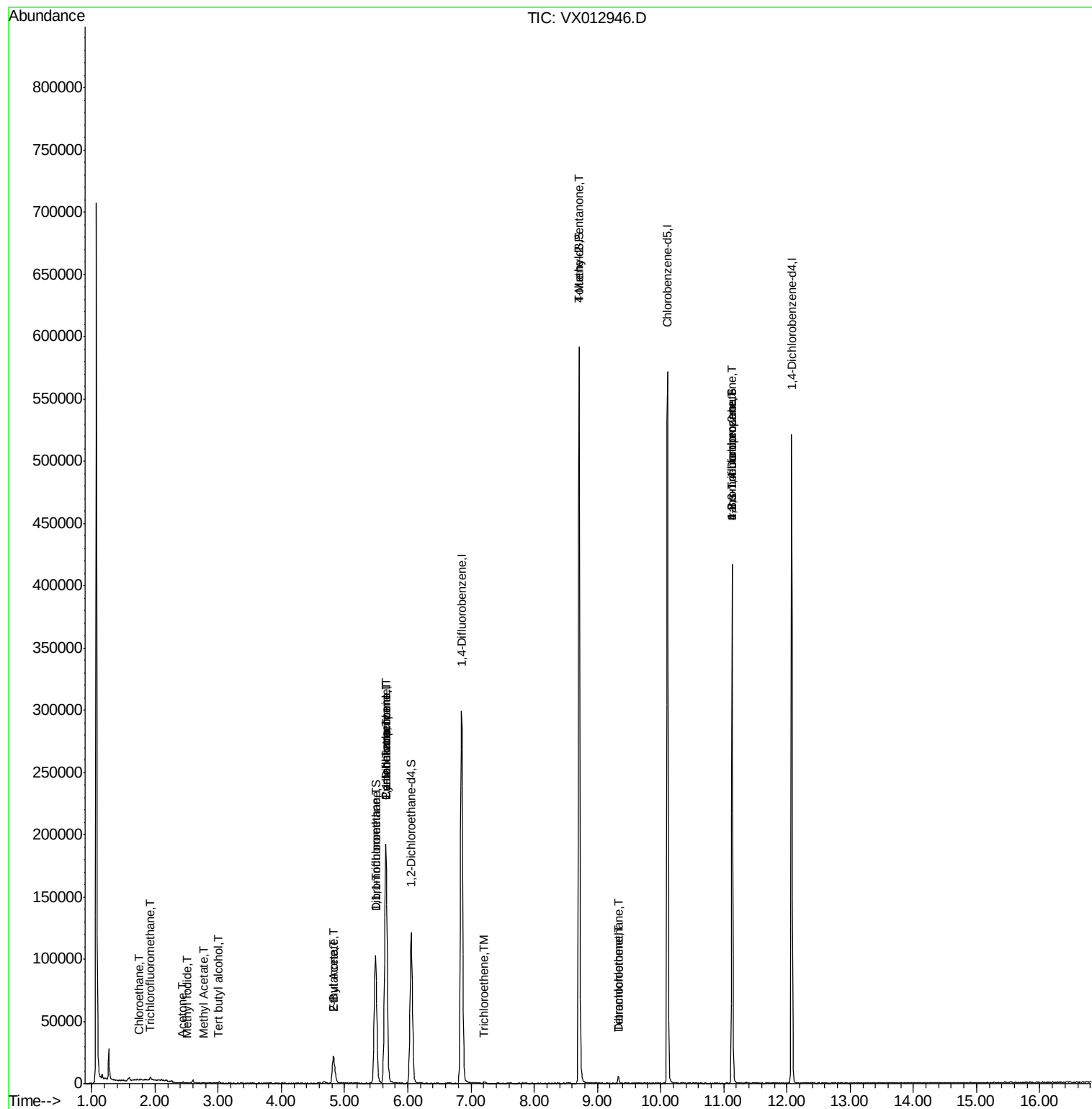
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.74	64	782	0.988	ug/l #	43
7) Trichlorofluoromethane	1.93	101	1262	0.456	ug/l	89
10) Methyl Iodide	2.51	142	26	5.093	ug/l #	40
11) Tert butyl alcohol	3.00	59	962	1.623	ug/l #	72
16) Acetone	2.44	43	908	0.770	ug/l #	72
18) Methyl Acetate	2.76	43	692	0.248	ug/l #	88
25) 2-Butanone	4.83	43	39827	24.351	ug/l #	49
31) Cyclohexane	5.65	56	3784	1.166	ug/l #	1
32) 1,1,1-Trichloroethane	5.50	97	666	0.221	ug/l #	49
36) 1,1-Dichloropropene	5.65	75	14423	5.424	ug/l #	50
37) Ethyl Acetate	4.83	43	39827	13.396	ug/l	99
38) Carbon Tetrachloride	5.65	117	18774	7.254	ug/l #	17
44) Trichloroethene	7.20	130	584	0.268	ug/l	88
51) 4-Methyl-2-Pentanone	8.70	43	1611	0.541	ug/l #	1
60) Dibromochloromethane	9.34	129	972	2.280	ug/l #	10
64) Tetrachloroethene	9.34	164	911	0.505	ug/l #	83
76) 1,2,3-Trichloropropane	11.13	75	62181	27.462	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	62181	68.934	ug/l #	10

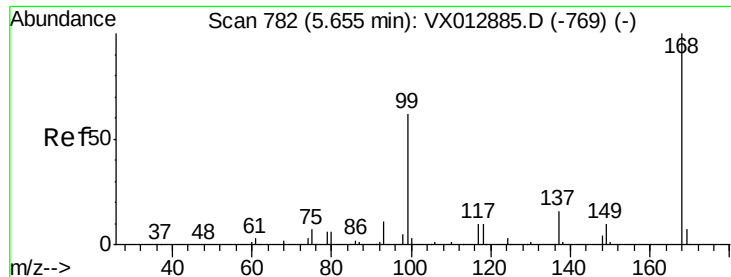
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012946.D

Acq: 09 Oct 2019 16:32

Instrument :

MSVOA_X

ClientSampleId :

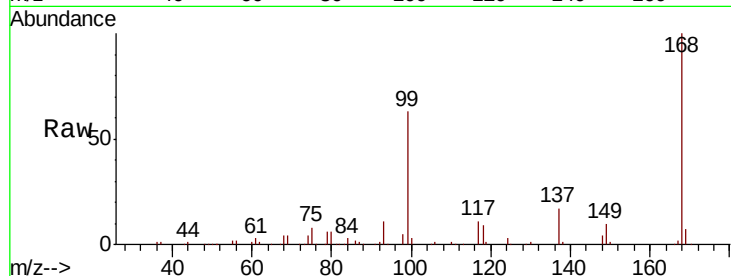
FA19-MMW0007B

Tot Ion:168 Resp: 178940

Ion Ratio Lower Upper

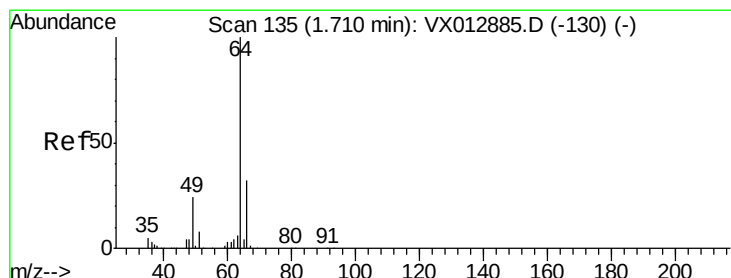
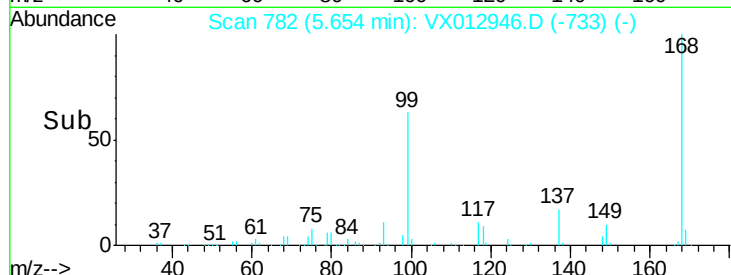
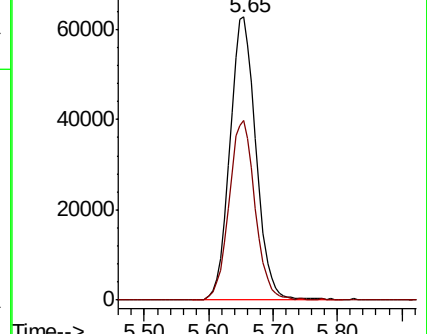
168 100

99 63.5 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.988 ug/l

RT: 1.74 min Scan# 140

Delta R.T. 0.03 min

Lab File: VX012946.D

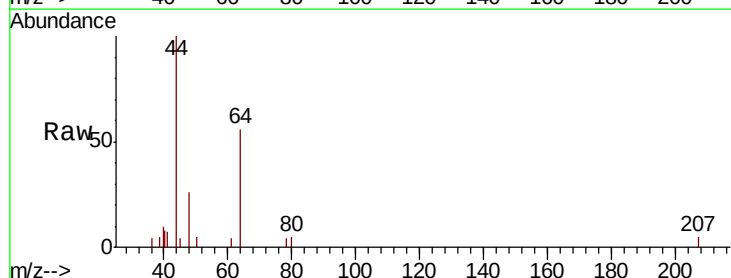
Acq: 09 Oct 2019 16:32

Tgt Ion: 64 Resp: 782

Ion Ratio Lower Upper

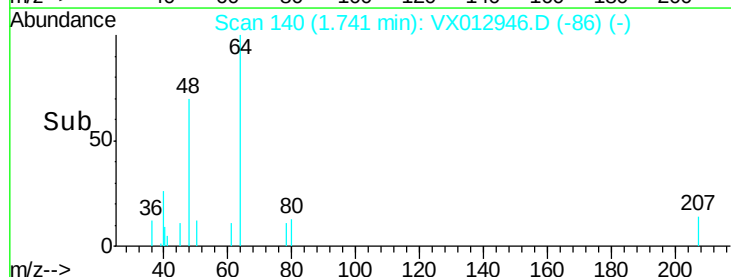
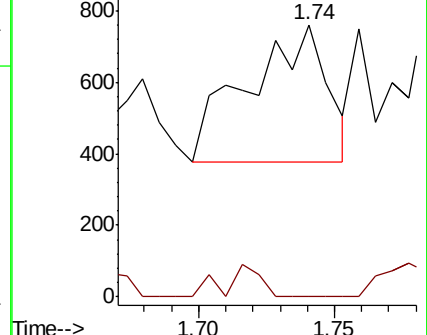
64 100

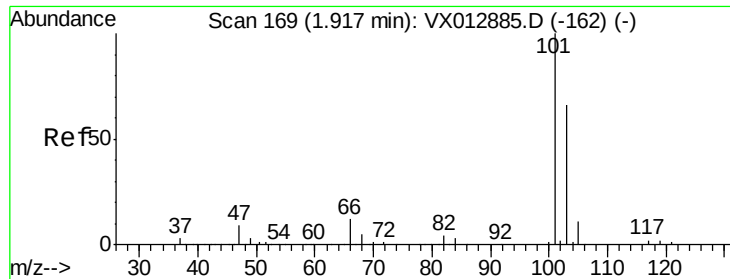
66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



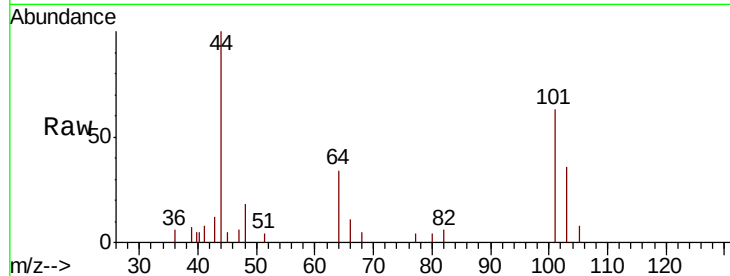


#7

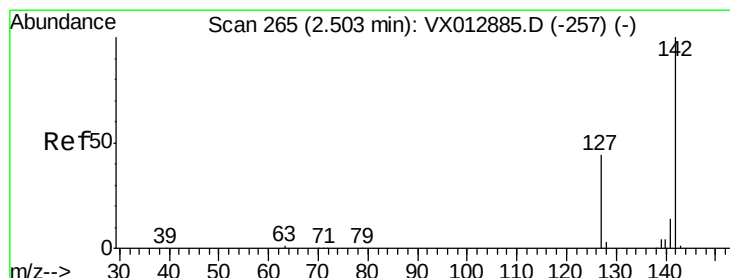
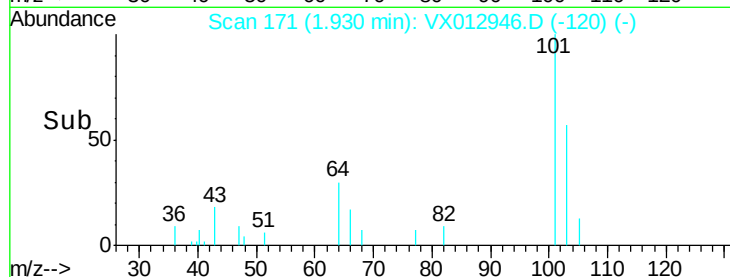
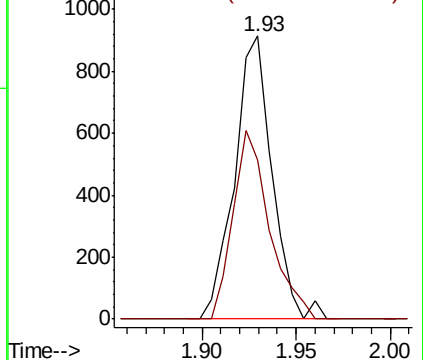
Trichlorofluoromethane
Concen: 0.456 ug/l
RT: 1.93 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX012946.D
Acq: 09 Oct 2019 16:32

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0007B

Tot Ion:101 Resp: 1262
Ion Ratio Lower Upper
101 100
103 56.5 52.5 78.7



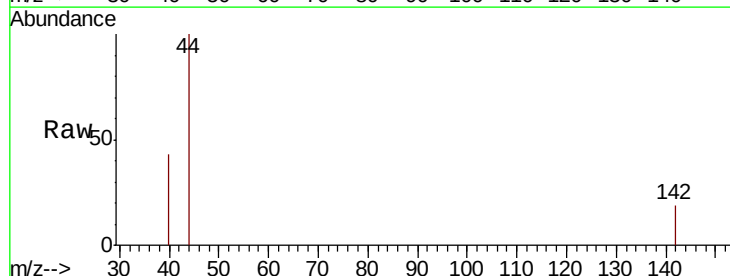
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



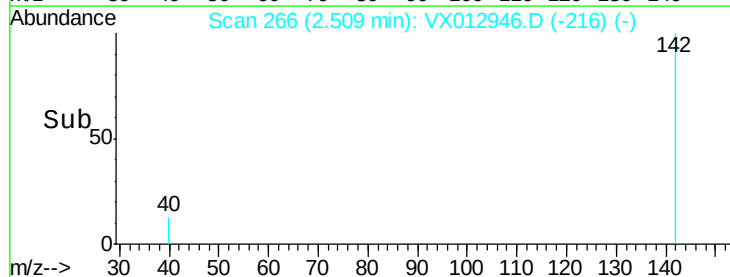
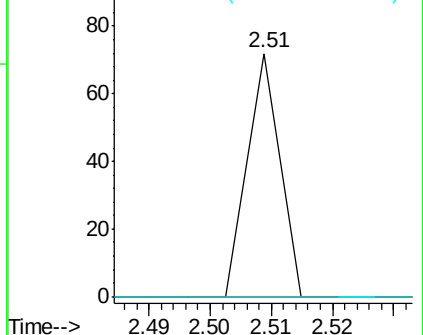
#10

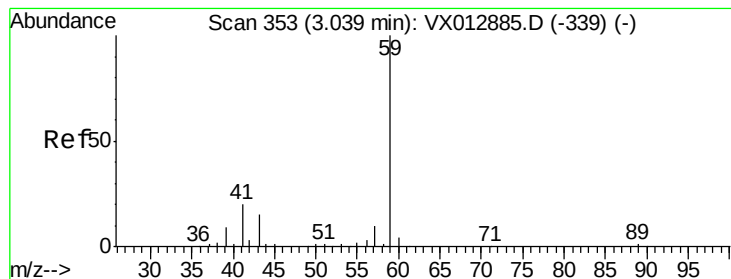
Methyl Iodide
Concen: 5.093 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012946.D
Acq: 09 Oct 2019 16:32

Tgt Ion:142 Resp: 26
Ion Ratio Lower Upper
142 100
127 0.0 34.9 52.3#
141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



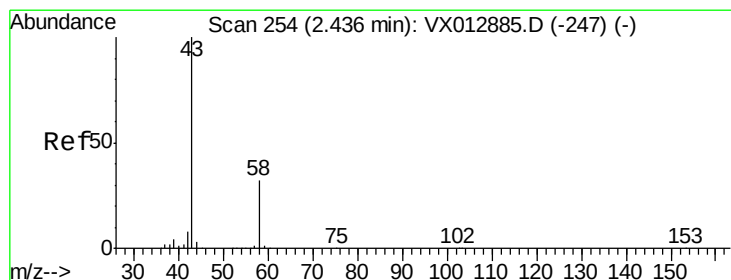
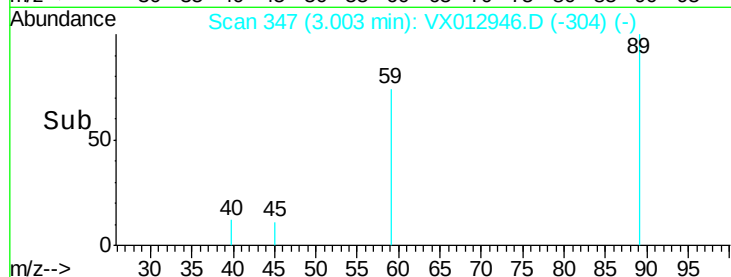
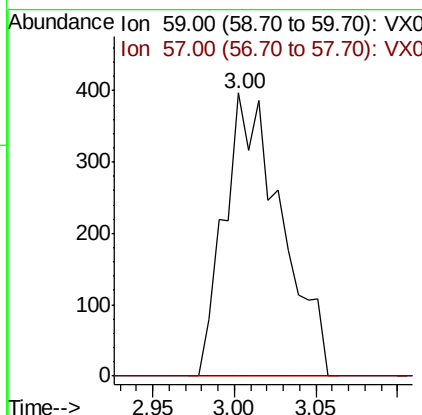
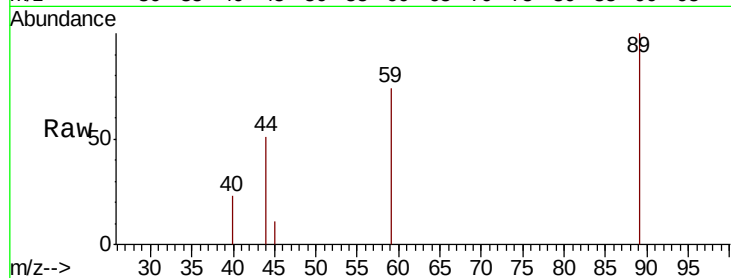


#11

Tert butyl alcohol
 Concen: 1.623 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.04 min
 Lab File: VX012946.D
 Acq: 09 Oct 2019 16:32

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0007B

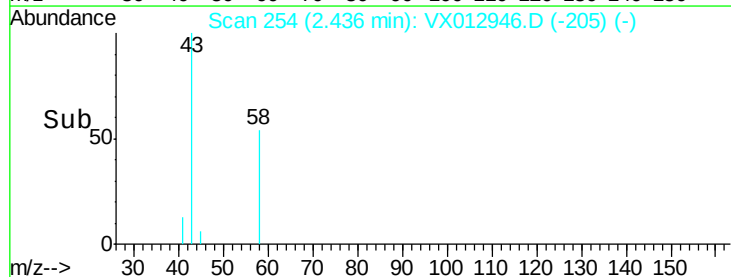
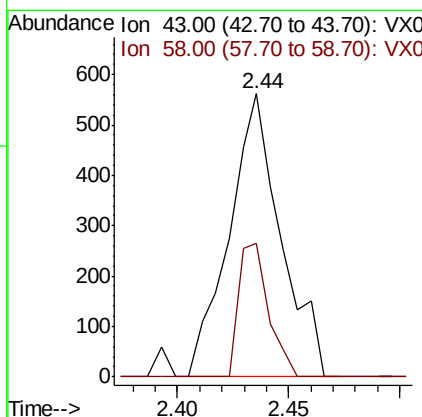
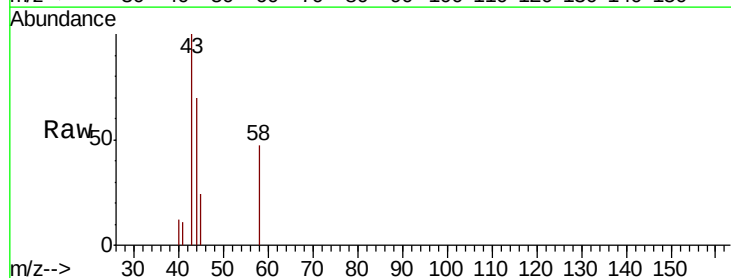
Tot Ion: 59 Resp: 962
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

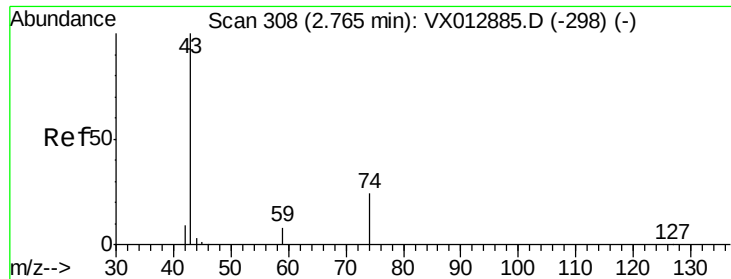


#16

Acetone
 Concen: 0.770 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VX012946.D
 Acq: 09 Oct 2019 16:32

Tgt Ion: 43 Resp: 908
 Ion Ratio Lower Upper
 43 100
 58 47.3 25.4 38.2#

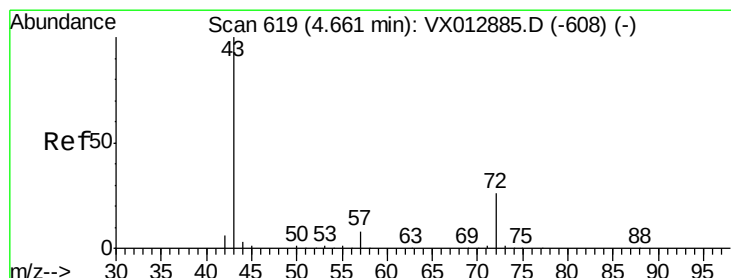
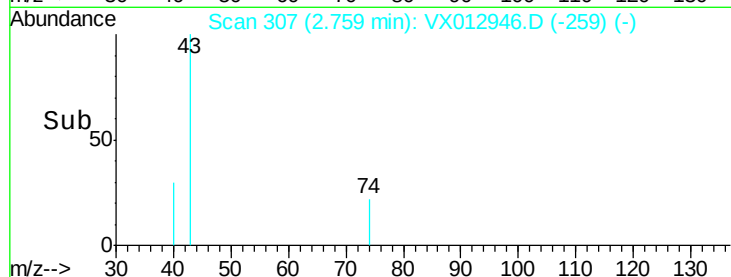
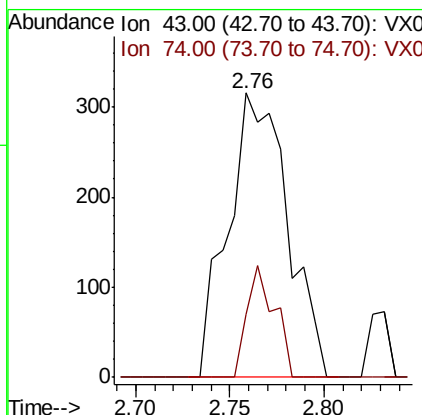
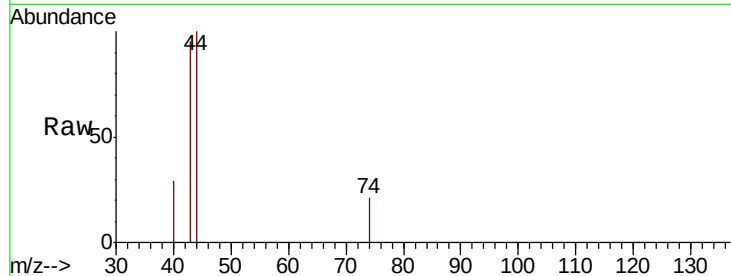




#18
Methvl Acetate
Concen: 0.248 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX012946.D
Acq: 09 Oct 2019 16:32

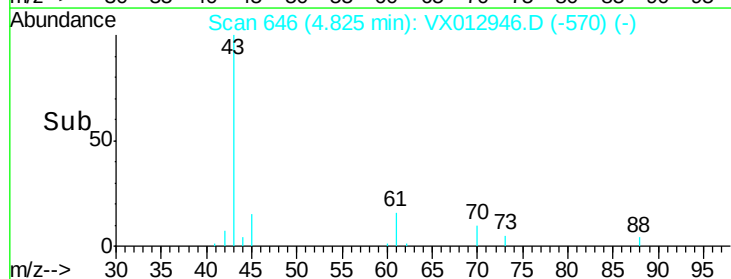
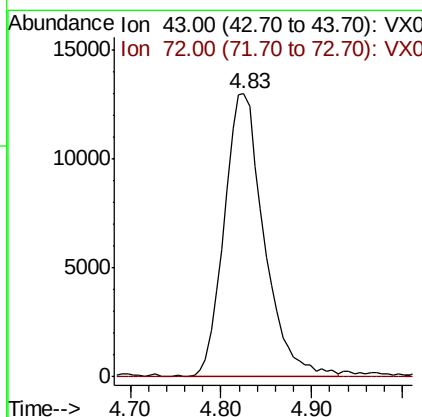
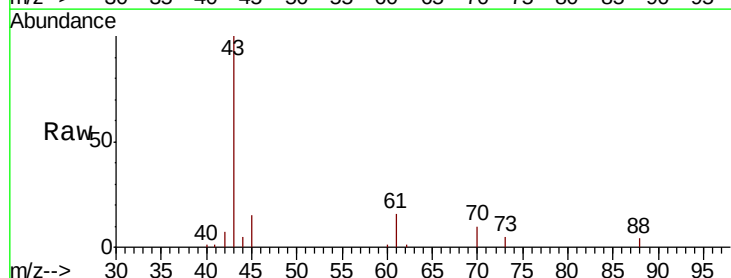
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0007B

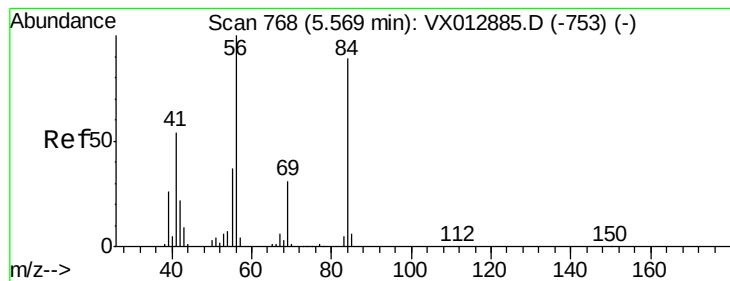
Tot Ion: 43 Resp: 692
Ion Ratio Lower Upper
43 100
74 18.1 19.2 28.8#



#25
2-Butanone
Concen: 24.351 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.16 min
Lab File: VX012946.D
Acq: 09 Oct 2019 16:32

Tgt Ion: 43 Resp: 39827
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#





#31

Cyclohexane

Concen: 1.166 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012946.D

Acq: 09 Oct 2019 16:32

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0007B

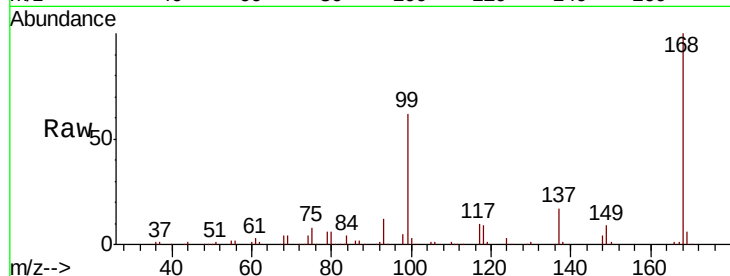
Tot Ion: 56 Resp: 3784

Ion Ratio Lower Upper

56 100

69 187.7 25.2 37.8#

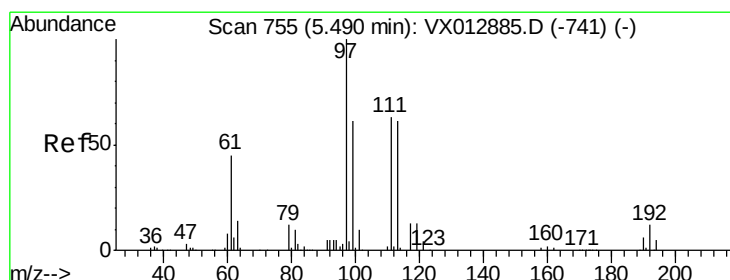
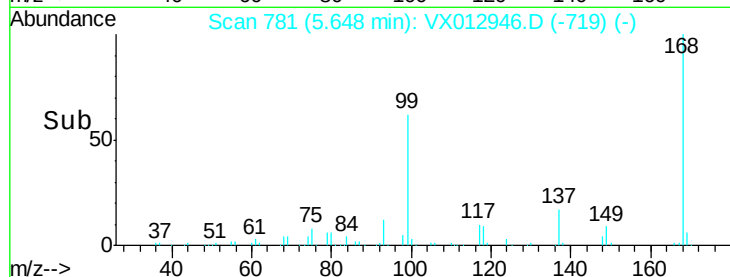
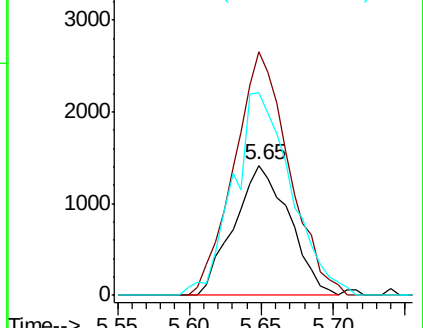
84 150.0 71.3 106.9#



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: 0.221 ug/l

RT: 5.50 min Scan# 756

Delta R.T. 0.01 min

Lab File: VX012946.D

Acq: 09 Oct 2019 16:32

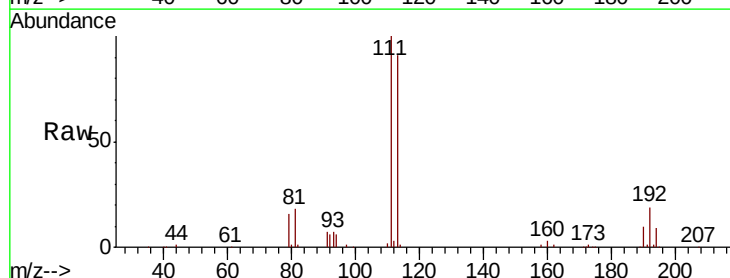
Tgt Ion: 97 Resp: 666

Ion Ratio Lower Upper

97 100

99 0.0 52.3 78.5#

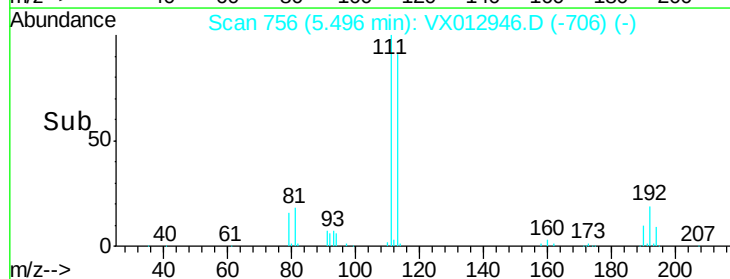
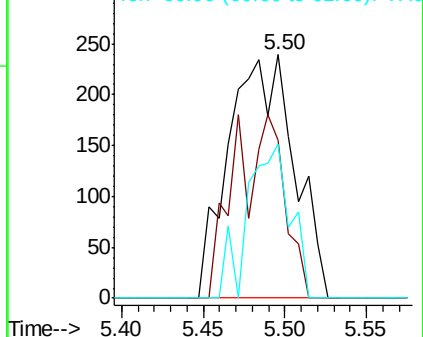
61 41.3 35.0 52.4

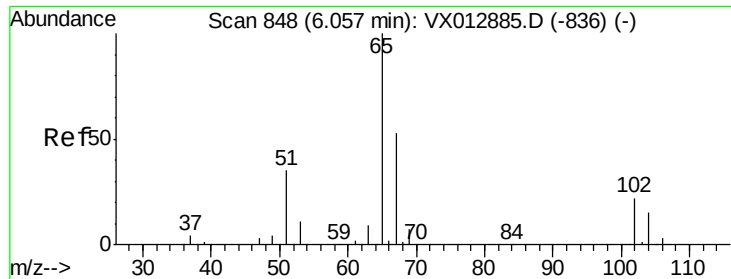


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

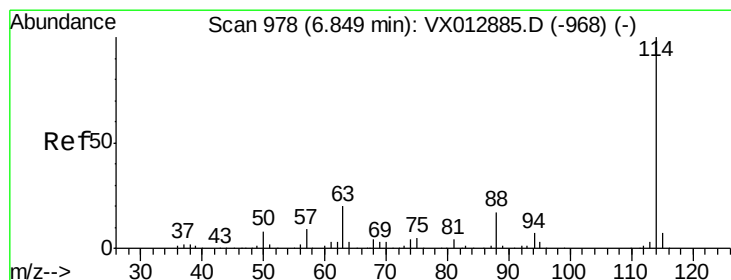
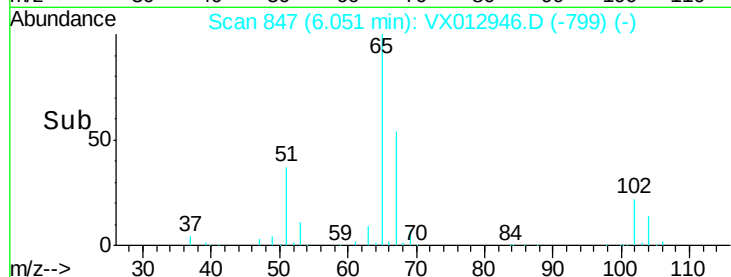
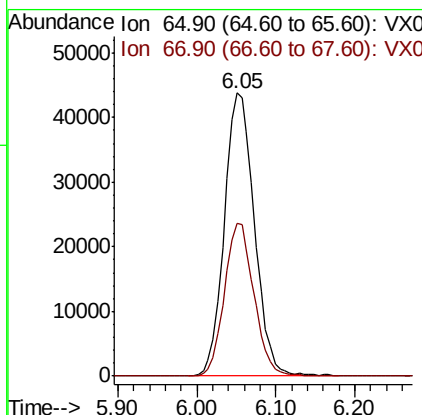
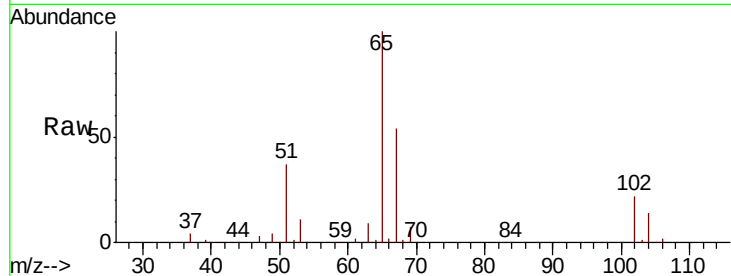




#33
 1,2-Dichloroethane-d4
 Concen: 51.862 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX012946.D
 Acq: 09 Oct 2019 16:32

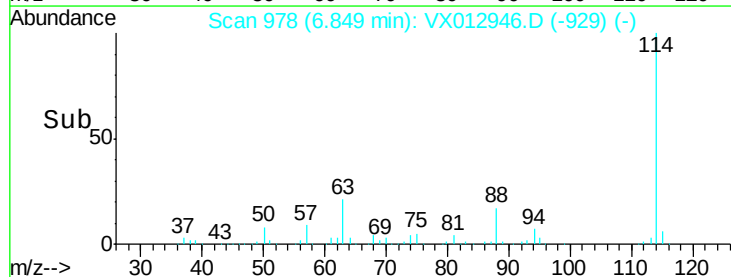
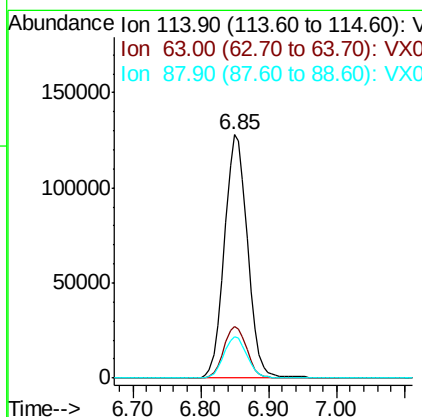
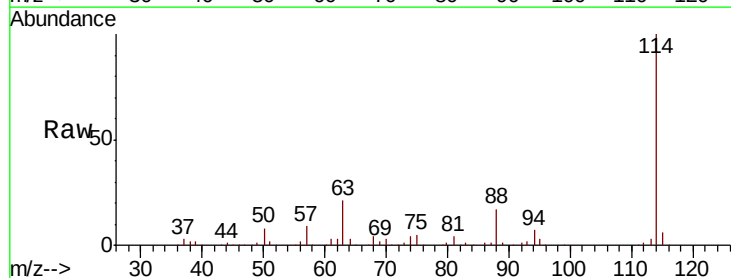
Instrument :
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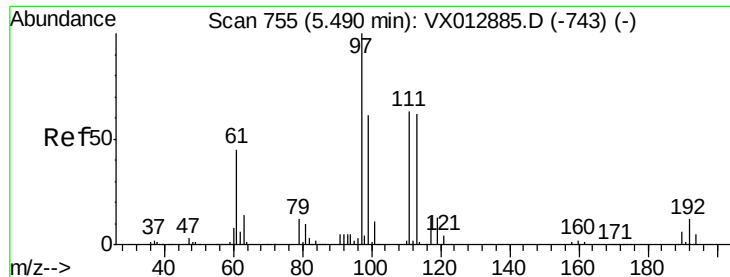
Tot Ion: 65 Resp: 115991
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012946.D
 Acq: 09 Oct 2019 16:32

Tgt Ion: 114 Resp: 302418
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.8
 88 17.2 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.460 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012946.D

Acq: 09 Oct 2019 16:32

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0007B

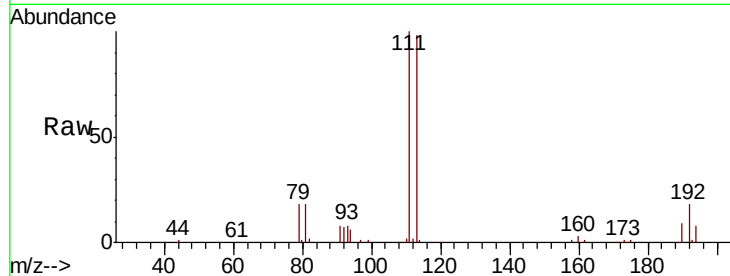
Tot Ion:113 Resp: 89320

Ion Ratio Lower Upper

113 100

111 103.6 83.2 124.8

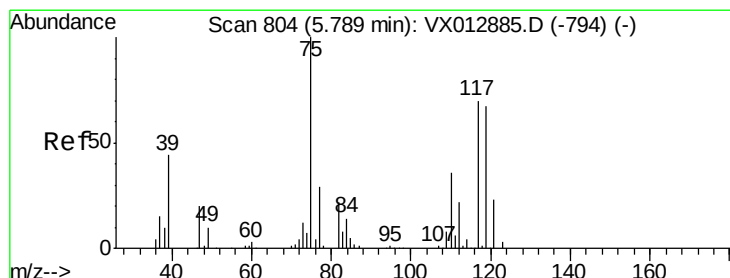
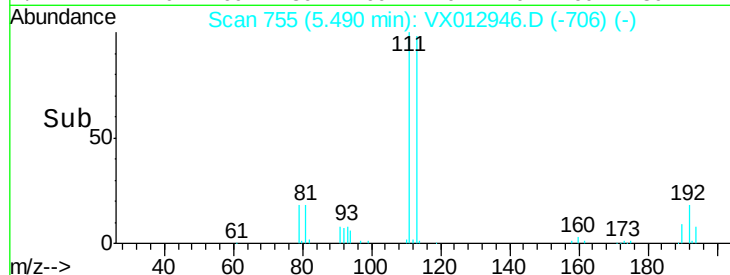
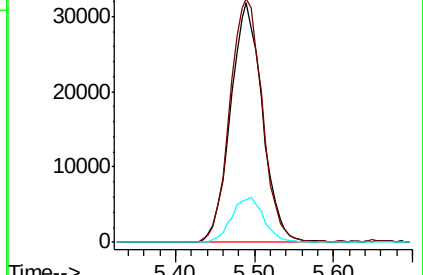
192 19.0 15.4 23.2



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: 5.424 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012946.D

Acq: 09 Oct 2019 16:32

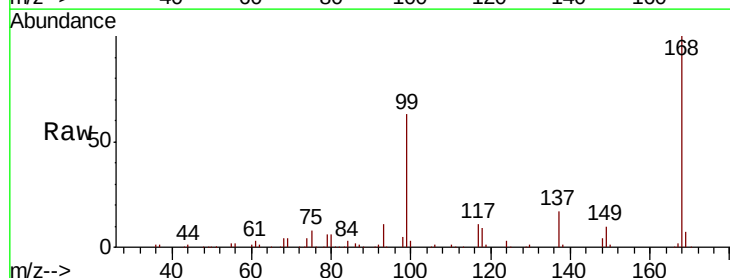
Tgt Ion: 75 Resp: 14423

Ion Ratio Lower Upper

75 100

110 8.9 17.6 52.9#

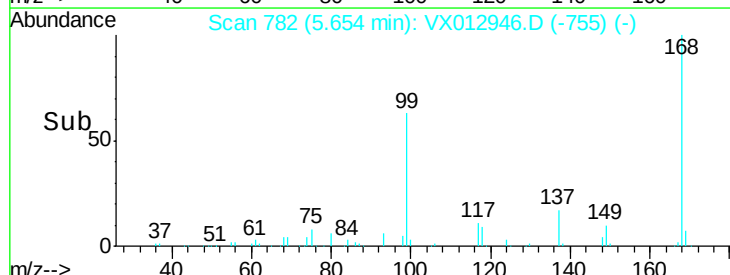
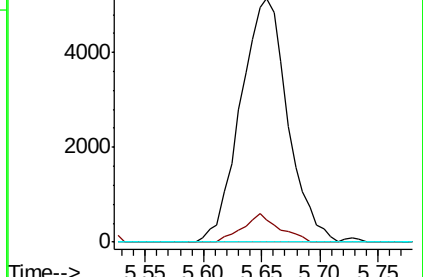
77 0.0 24.4 36.6#

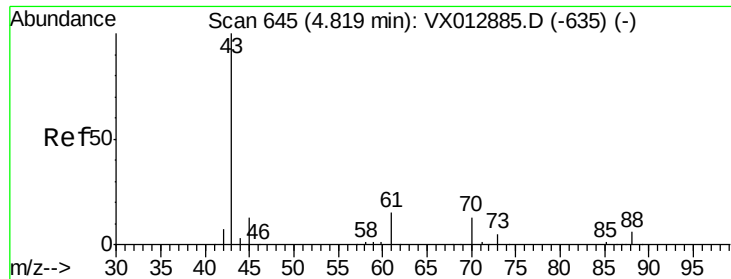


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

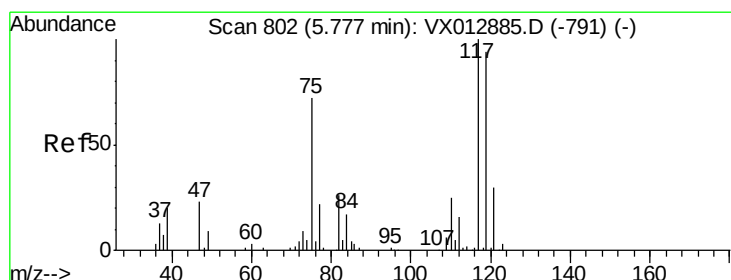
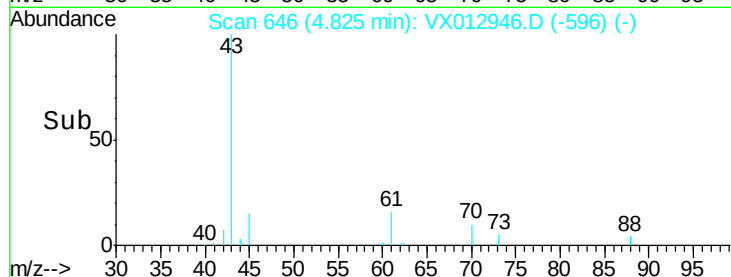
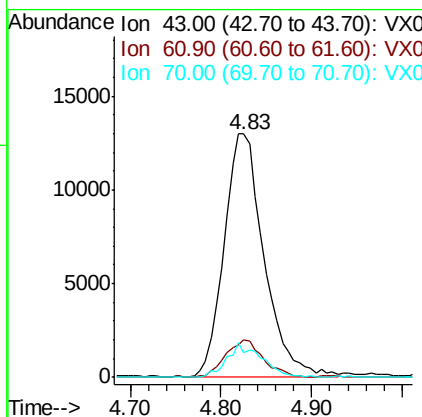
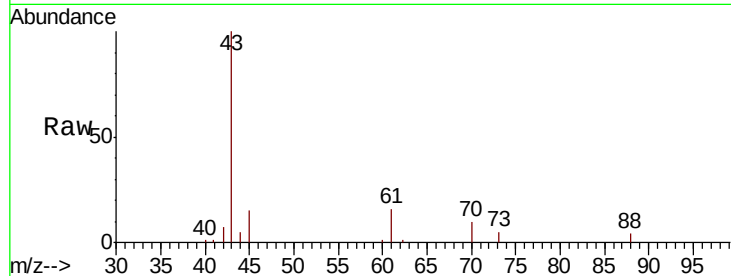




#37
Ethyl Acetate
Concen: 13.396 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX012946.D
Acq: 09 Oct 2019 16:32

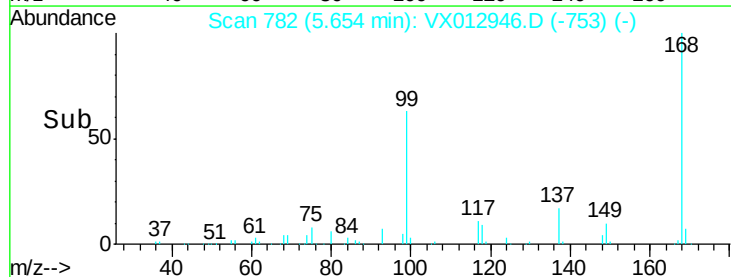
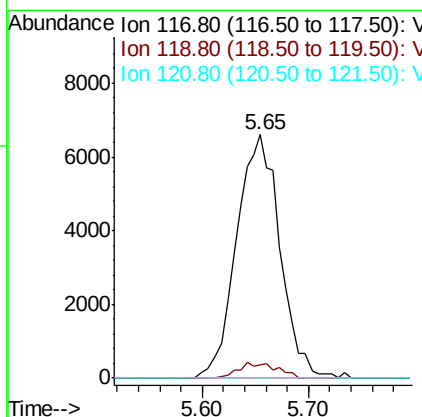
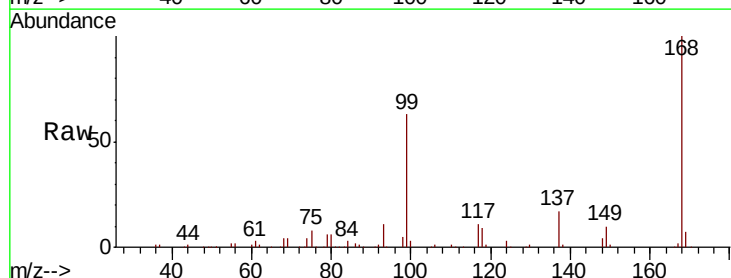
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0007B

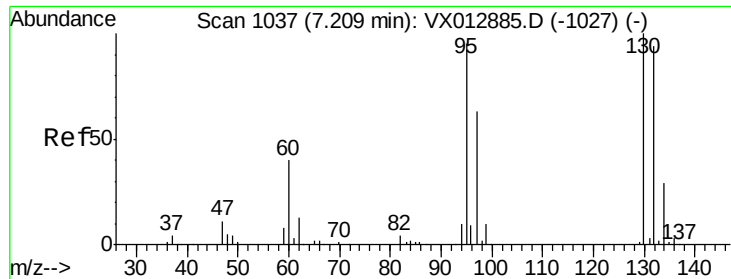
Tot Ion: 43 Resp: 39827
Ion Ratio Lower Upper
43 100
61 14.6 11.4 17.0
70 12.1 9.8 14.6



#38
Carbon Tetrachloride
Concen: 7.254 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012946.D
Acq: 09 Oct 2019 16:32

Tgt Ion: 117 Resp: 18774
Ion Ratio Lower Upper
117 100
119 5.3 74.5 111.7#
121 0.0 24.2 36.4#





#44

Trichloroethene

Concen: 0.268 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX012946.D

Acq: 09 Oct 2019 16:32

Instrument :

MSVOA_X

ClientSampleId :

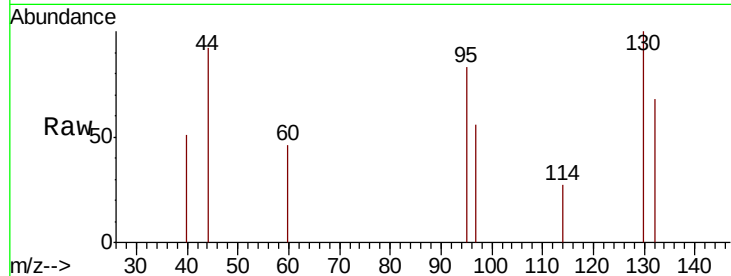
FA19-MMW0007B

Tot Ion:130 Resp: 584

Ion Ratio Lower Upper

130 100

95 83.5 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

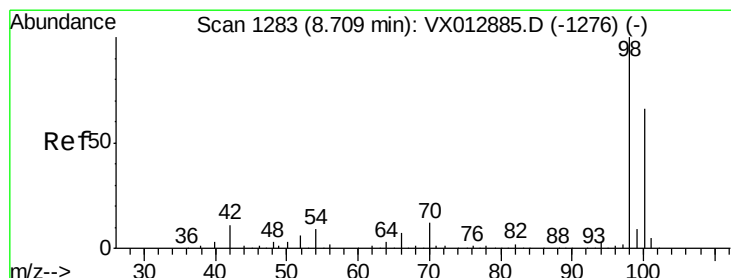
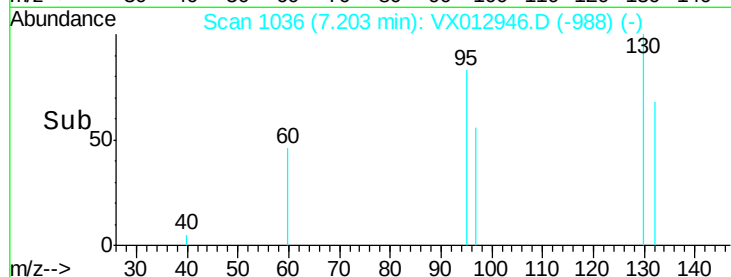
300

200

100

0

Time--> 7.15 7.20 7.25



#50

Toluene-d8

Concen: 51.987 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012946.D

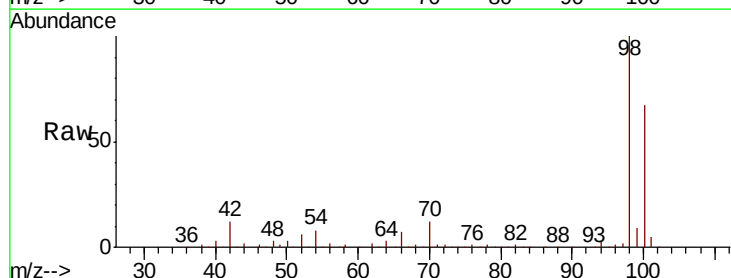
Acq: 09 Oct 2019 16:32

Tgt Ion: 98 Resp: 351938

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

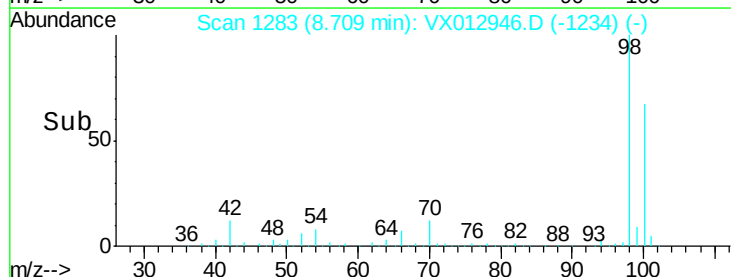
150000

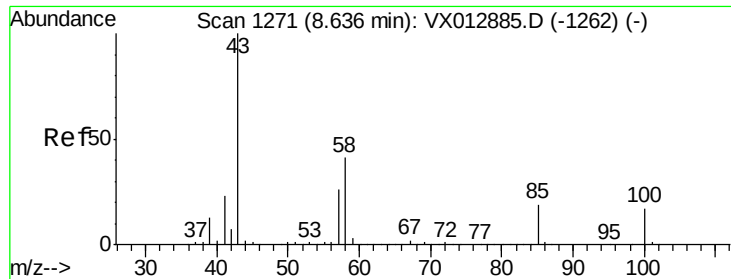
100000

50000

0

Time--> 8.60 8.70 8.80





#51

4-Methyl-2-Pentanone

Concen: 0.541 ug/l

RT: 8.70 min Scan# 1282

Delta R.T. 0.07 min

Lab File: VX012946.D

Acq: 09 Oct 2019 16:32

Instrument :

MSVOA_X

ClientSampleId :

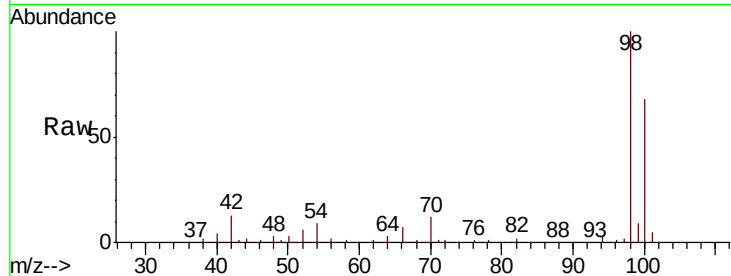
FA19-MMW0007B

Tot Ion: 43 Resp: 1611

Ion Ratio Lower Upper

43 100

58 169.9 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) (-)

8.70

1500

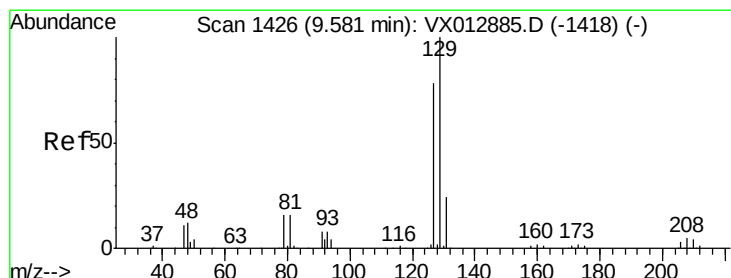
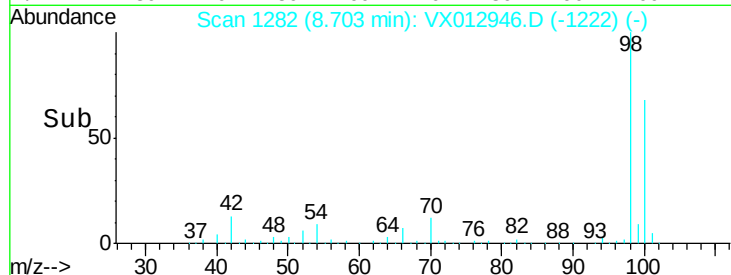
1000

500

0

8.65 8.70 8.75

Time-->



#60

Dibromochloromethane

Concen: 2.280 ug/l

RT: 9.34 min Scan# 1386

Delta R.T. -0.24 min

Lab File: VX012946.D

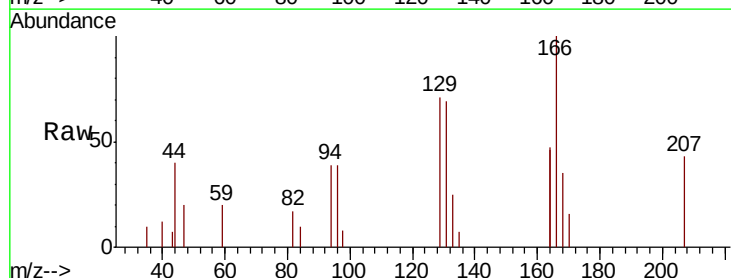
Acq: 09 Oct 2019 16:32

Tgt Ion: 129 Resp: 972

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) (-)

9.34

600

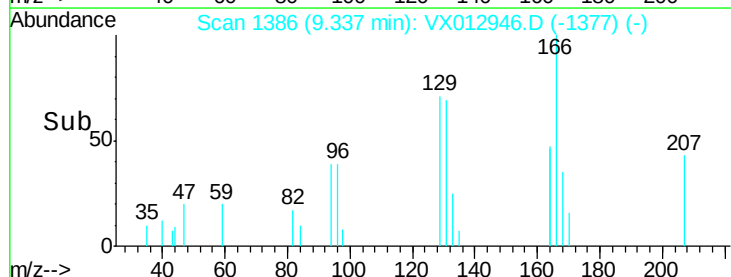
400

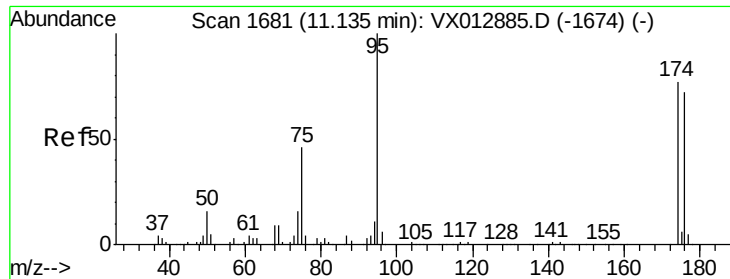
200

0

9.30 9.35

Time-->





#62

4-Bromofluorobenzene

Concen: 45.937 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012946.D

Acq: 09 Oct 2019 16:32

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0007B

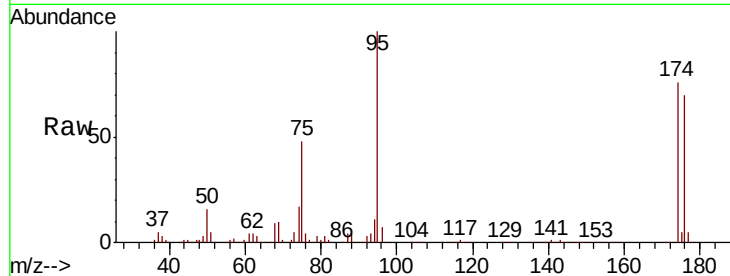
Tot Ion: 95 Resp: 120835

Ion Ratio Lower Upper

95 100

174 72.2 0.0 143.4

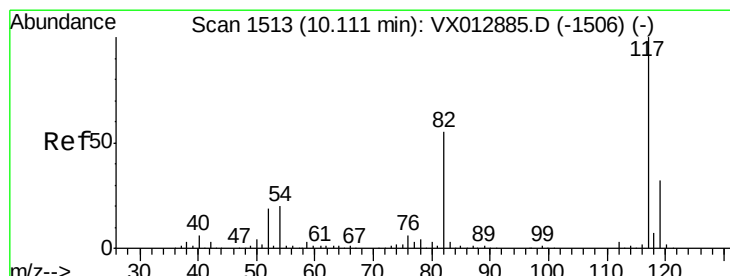
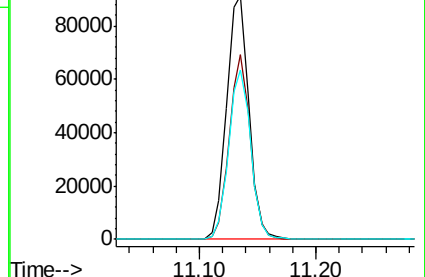
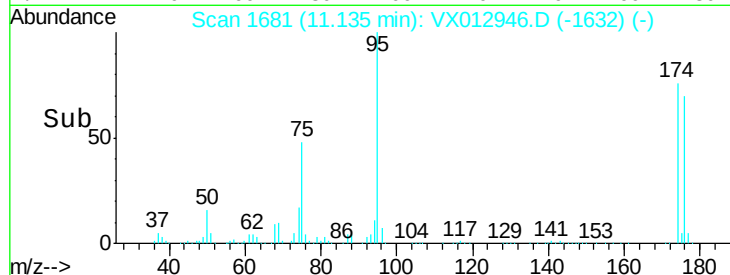
176 69.2 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX012946.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012946.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012946.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012946.D

Acq: 09 Oct 2019 16:32

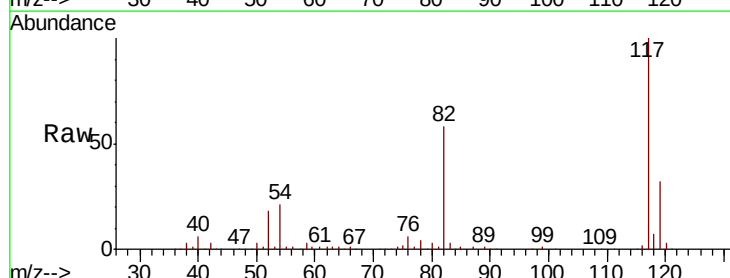
Tgt Ion: 117 Resp: 260108

Ion Ratio Lower Upper

117 100

82 57.9 44.1 66.1

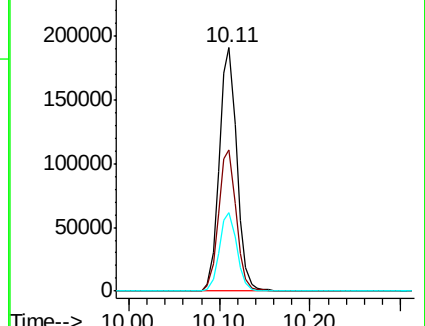
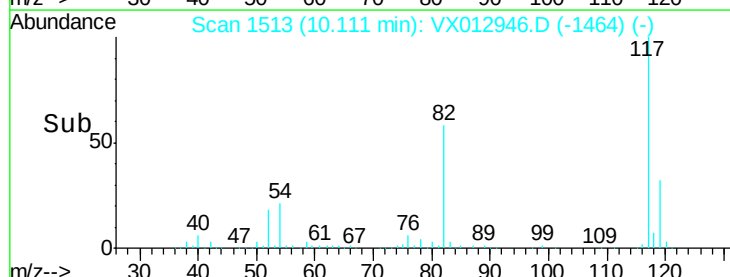
119 32.3 25.8 38.8

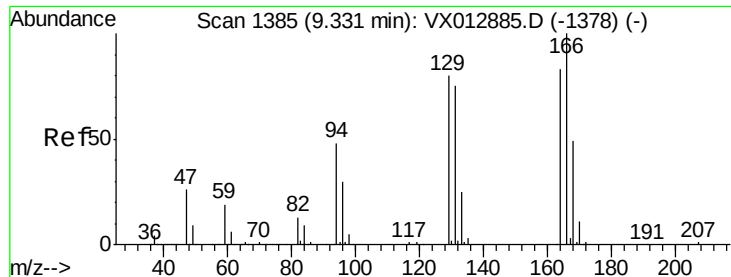


Abundance Ion 116.90 (116.60 to 117.60): VX012946.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012946.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012946.D (-1464) (-)





#64

Tetrachloroethene

Concen: 0.505 ug/l

RT: 9.34 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VX012946.D

Acq: 09 Oct 2019 16:32

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0007B

Tot Ion:164 Resp: 911

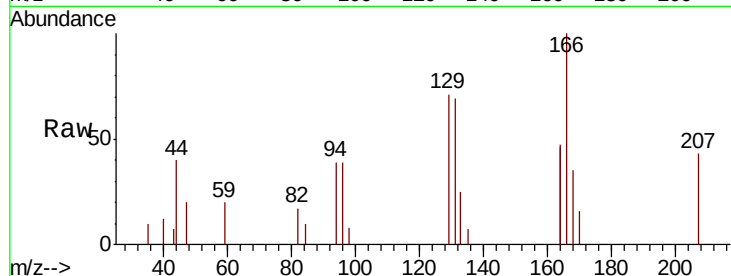
Ion Ratio Lower Upper

164 100

166 107.0 96.9 145.3

129 76.5 77.9 116.9#

131 74.1 72.7 109.1

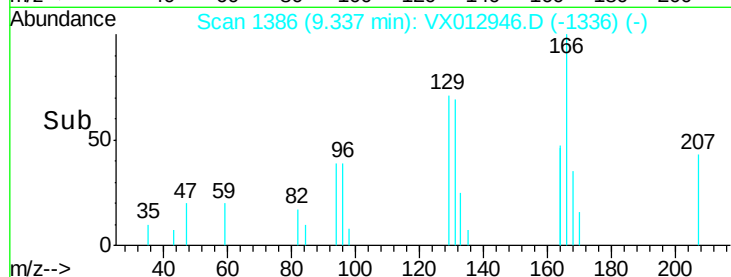


Abundance Ion 163.80 (163.50 to 164.50): V

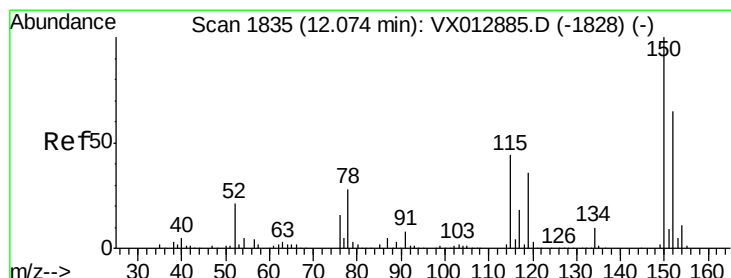
Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012946.D

Acq: 09 Oct 2019 16:32

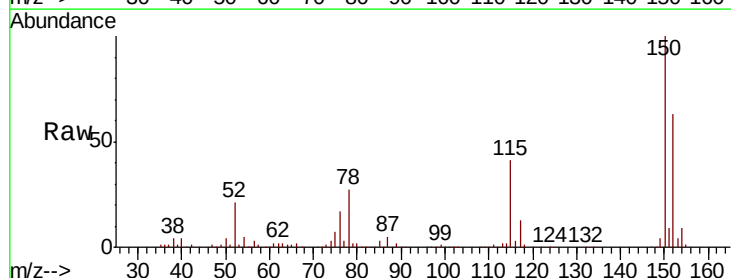
Tgt Ion:152 Resp: 102086

Ion Ratio Lower Upper

152 100

115 64.6 44.5 133.5

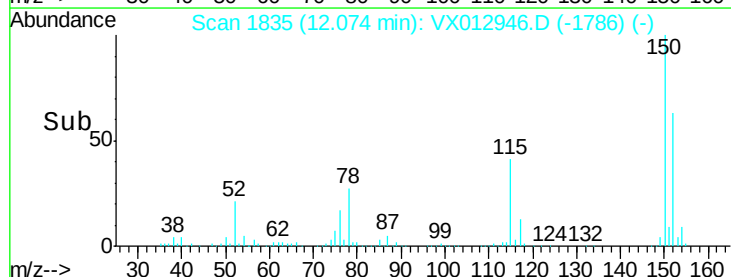
150 159.5 0.0 353.4



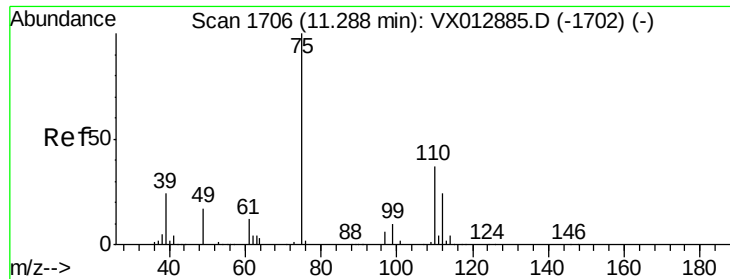
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->



#76

1,2,3-Trichloropropane

Concen: 27.462 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012946.D

Acq: 09 Oct 2019 16:32

Instrument :

MSVOA_X

ClientSampleId :

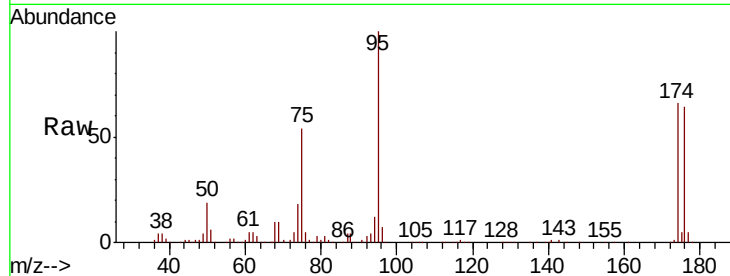
FA19-MMW0007B

Tot Ion: 75 Resp: 62181

Ion Ratio Lower Upper

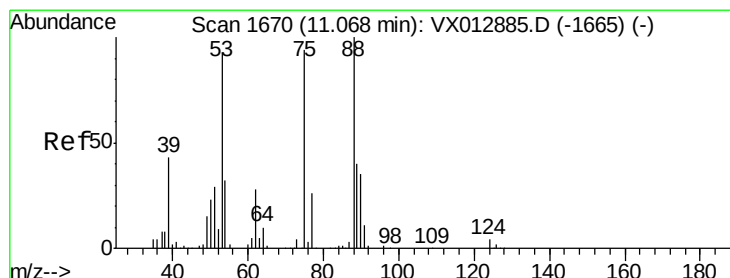
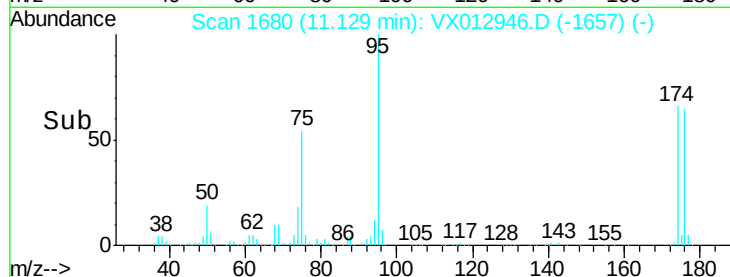
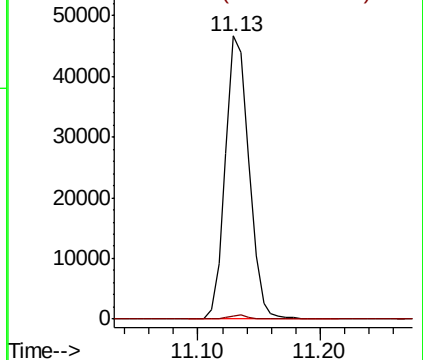
75 100

77 1.3 22.9 68.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 68.934 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012946.D

Acq: 09 Oct 2019 16:32

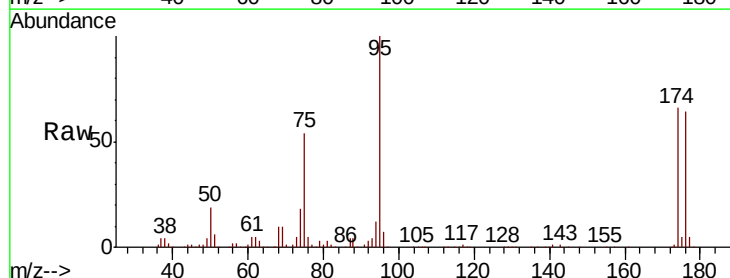
Tgt Ion: 75 Resp: 62181

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 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

