

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012894.D
 Acq On : 08 Oct 2019 17:04
 Operator : JC/SP
 Sample : K5122-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-CHY05

Quant Time: Oct 09 02:10:25 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

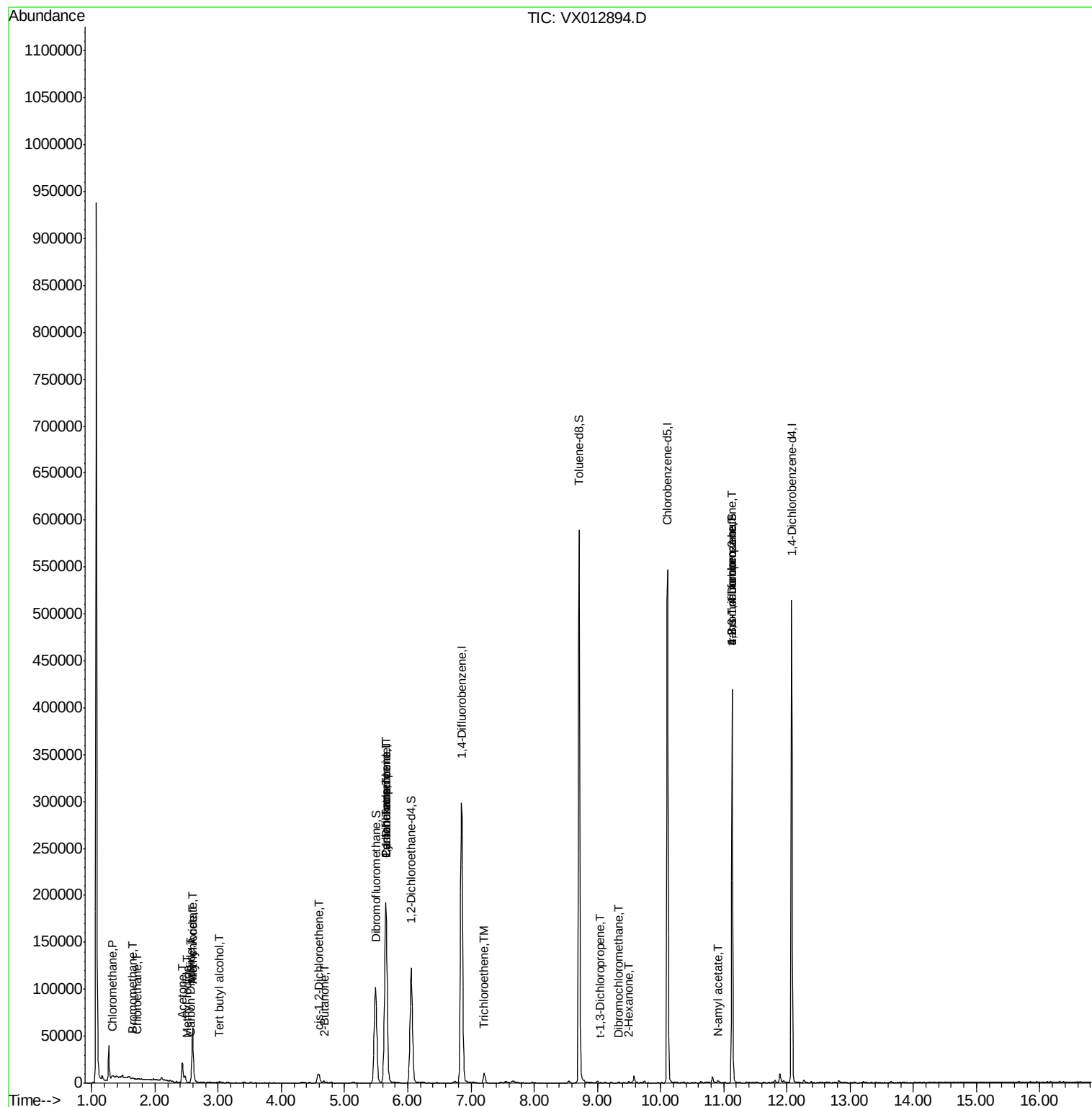
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	178848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	298679	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	253379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99706	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	115061	51.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.94%	
35) Dibromofluoromethane	5.49	113	89750	52.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.70%	
50) Toluene-d8	8.71	98	348353	52.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.20%	
62) 4-Bromofluorobenzene	11.14	95	120282	46.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.60%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	1236	0.623	ug/l	89
5) Bromomethane	1.64	94	415	0.488	ug/l	89
6) Chloroethane	1.72	64	661	0.892	ug/l #	43
10) Methyl Iodide	2.51	142	218	5.178	ug/l #	40
11) Tert butyl alcohol	3.03	59	1270	2.143	ug/l #	84
14) Allyl chloride	2.59	41	5124	1.592	ug/l #	61
16) Acetone	2.43	43	21555	18.294	ug/l	96
17) Carbon Disulfide	2.56	76	2511	0.487	ug/l #	94
18) Methyl Acetate	2.59	43	14903	5.336	ug/l #	51
25) 2-Butanone	4.67	43	3212	1.965	ug/l #	83
27) cis-1,2-Dichloroethene	4.59	96	6433	2.881	ug/l	90
31) Cyclohexane	5.65	56	3864	1.191	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14097	5.368	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18772	7.344	ug/l #	17
44) Trichloroethene	7.21	130	4170	1.939	ug/l	89
53) t-1,3-Dichloropropene	9.04	75	104	2.200	ug/l #	42
59) 2-Hexanone	9.50	43	807	0.353	ug/l	69
60) Dibromochloromethane	9.34	129	90	1.897	ug/l #	10
74) N-amyl acetate	10.90	43	940	0.298	ug/l #	87
76) 1,2,3-Trichloropropane	11.13	75	59391	26.856	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	59391	67.503	ug/l #	10

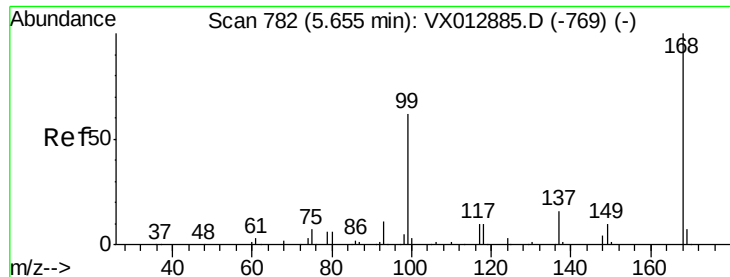
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 09 02:10:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration

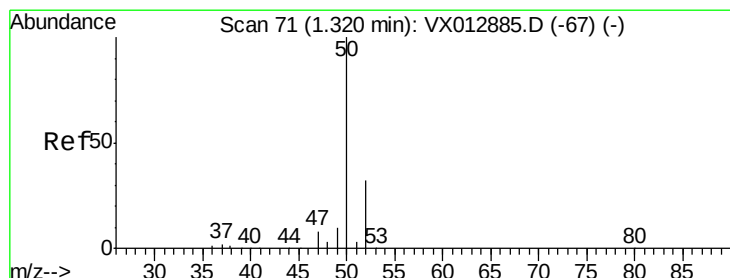
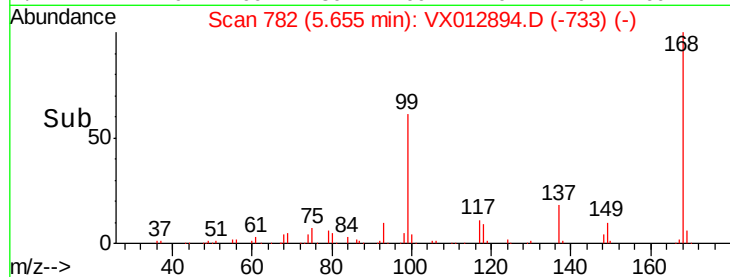
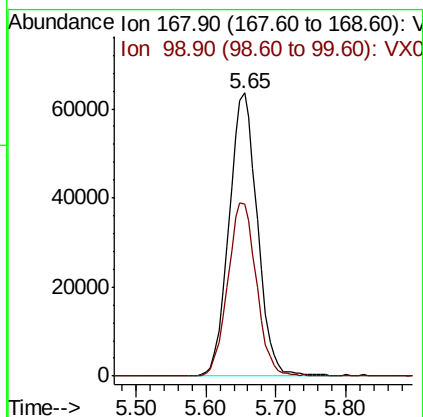
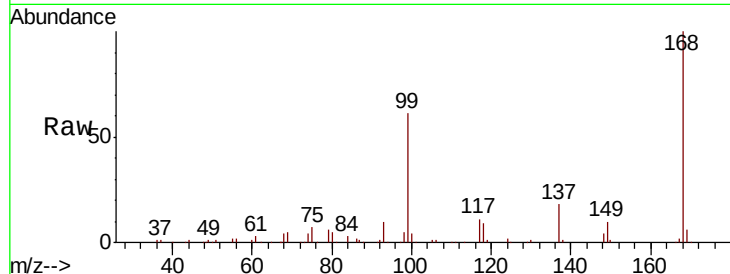




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.00 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

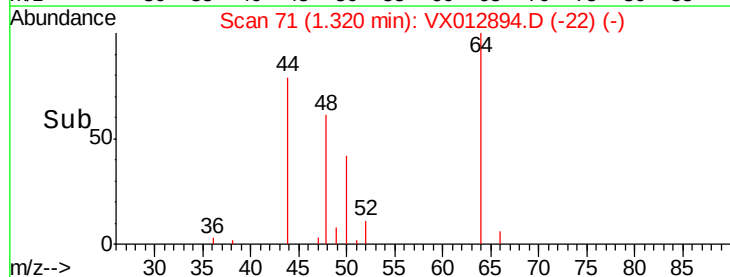
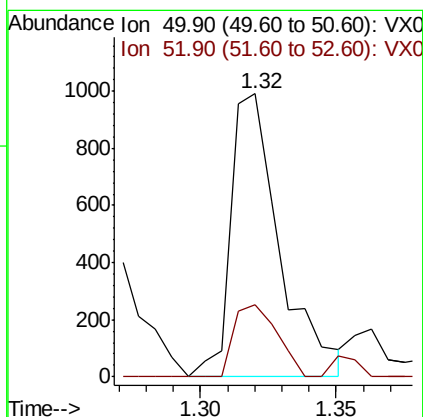
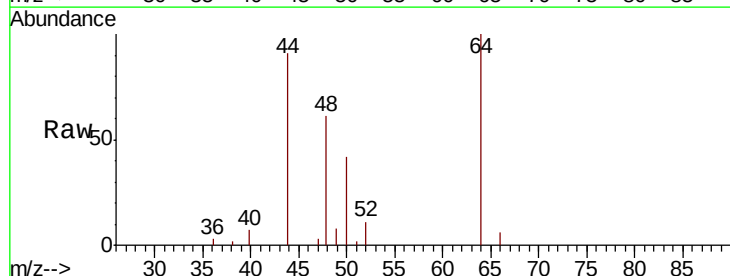
Instrument :
MSVOA_X
ClientSampleId :
FA19-CHY05

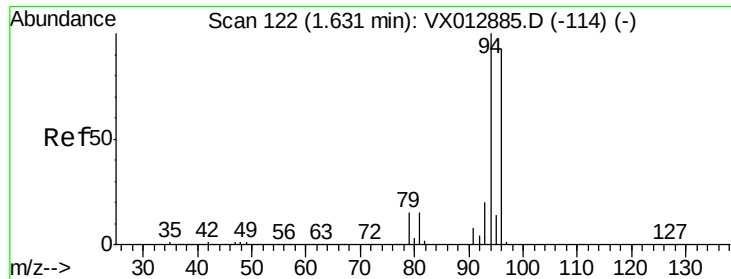
Tot Ion:168 Resp: 178848
Ion Ratio Lower Upper
168 100
99 60.9 49.4 74.0



#3
Chloromethane
Concen: 0.623 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

Tgt Ion: 50 Resp: 1236
Ion Ratio Lower Upper
50 100
52 25.3 25.2 37.8





#5

Bromomethane

Concen: 0.488 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX012894.D

Acq: 08 Oct 2019 17:04

Instrument :

MSVOA_X

ClientSampled :

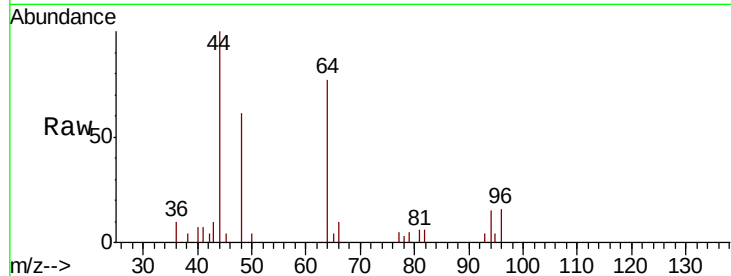
FA19-CHY05

Tot Ion: 94 Resp: 415

Ion Ratio Lower Upper

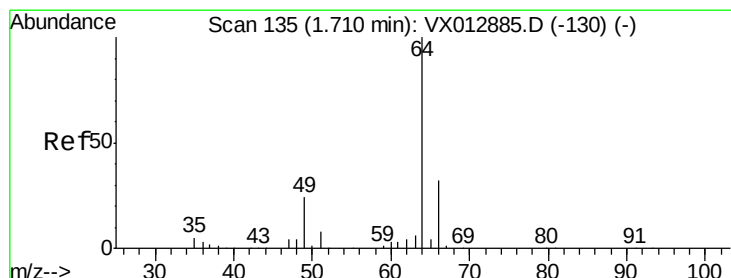
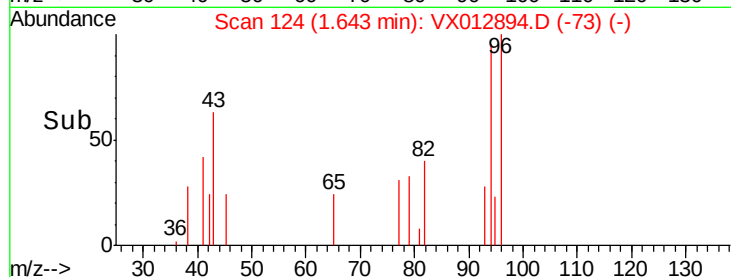
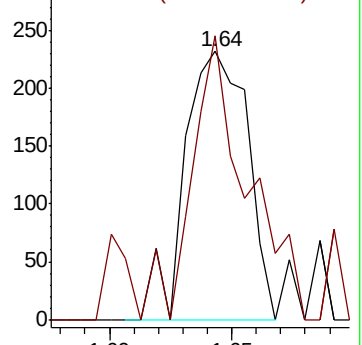
94 100

96 82.8 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.892 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012894.D

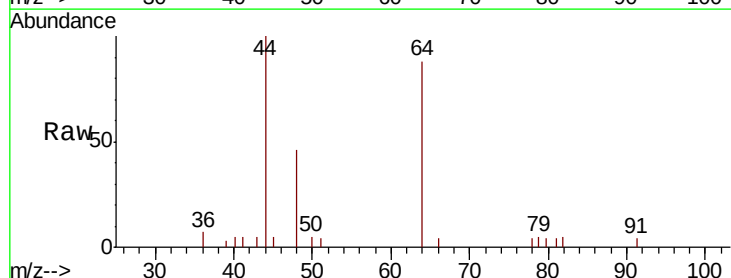
Acq: 08 Oct 2019 17:04

Tgt Ion: 64 Resp: 661

Ion Ratio Lower Upper

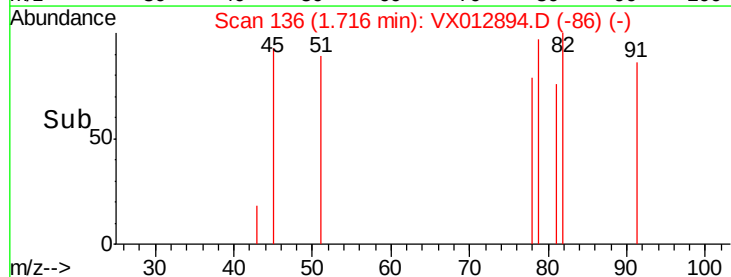
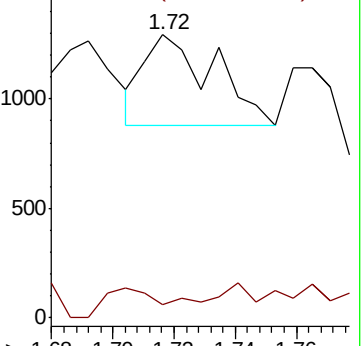
64 100

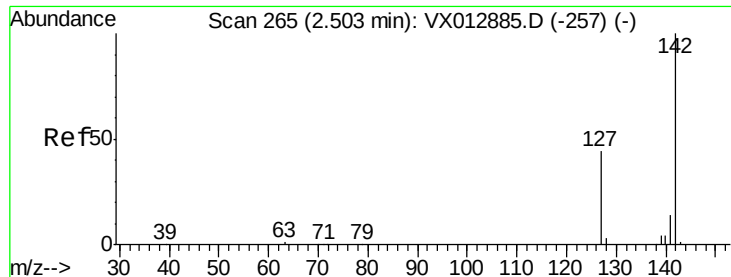
66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

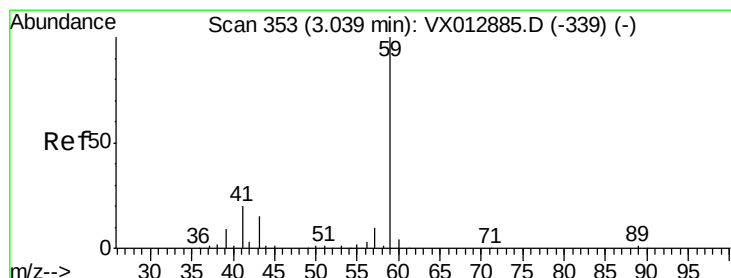
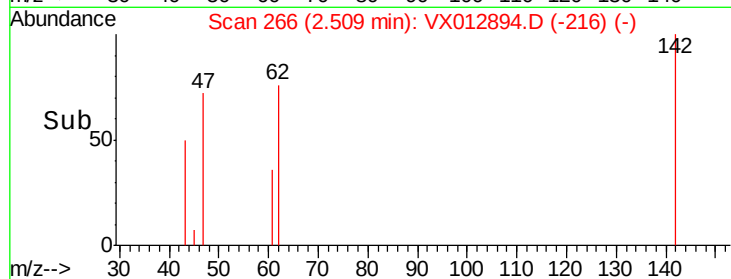
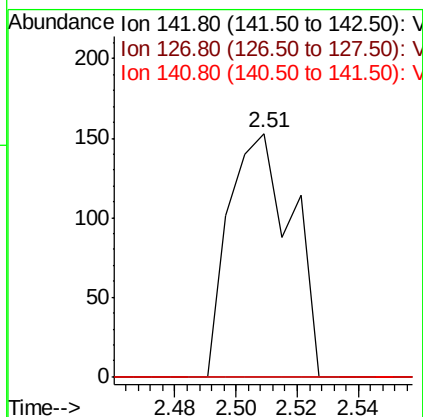
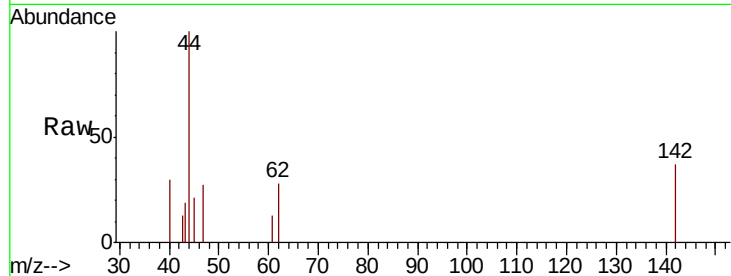




#10
Methyl Iodide
Concen: 5.178 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

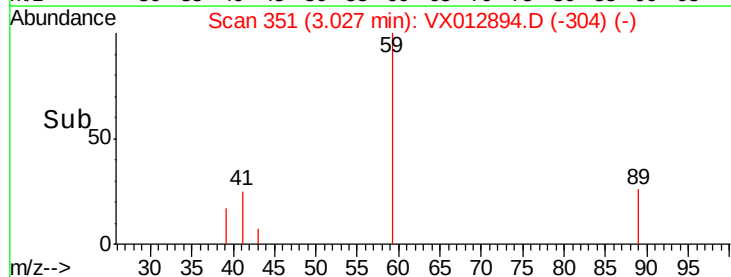
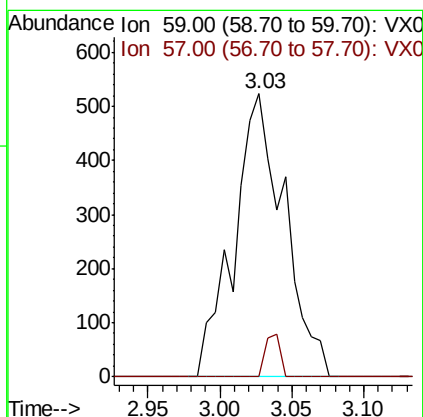
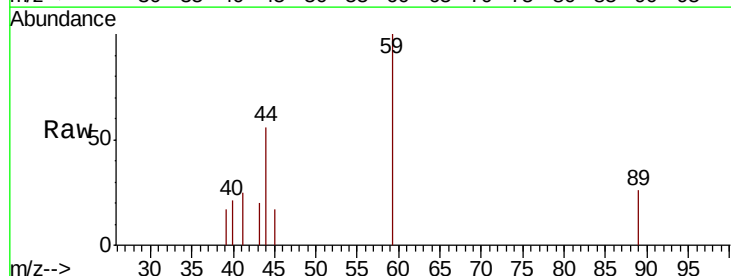
Instrument :
MSVOA_X
ClientSampleId :
FA19-CHY05

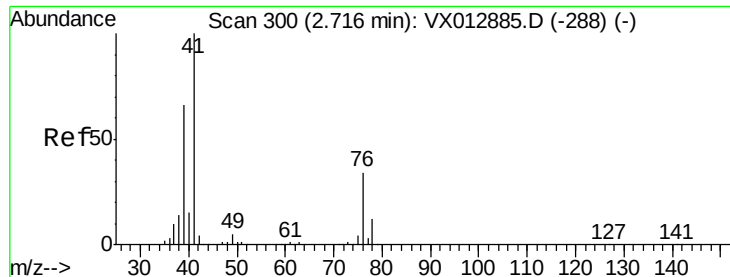
Tot Ion:142 Resp: 218
Ion Ratio Lower Upper
142 100
127 0.0 34.9 52.3#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 2.143 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

Tgt Ion: 59 Resp: 1270
Ion Ratio Lower Upper
59 100
57 4.3 8.3 12.5#





#14

Allvl chloride

Concen: 1.592 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.12 min

Lab File: VX012894.D

Acq: 08 Oct 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

FA19-CHY05

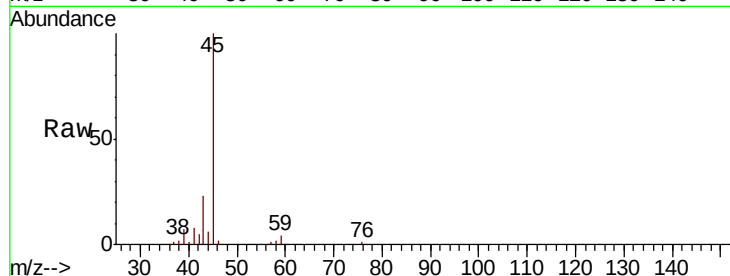
Tot Ion: 41 Resp: 5124

Ion Ratio Lower Upper

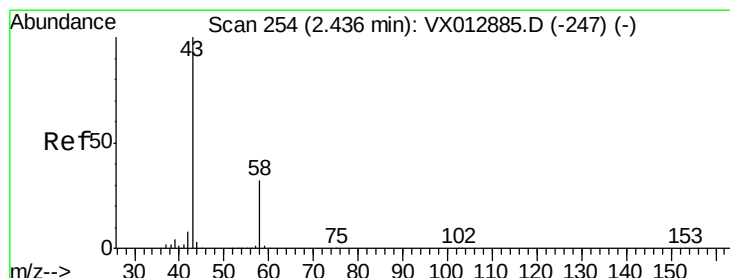
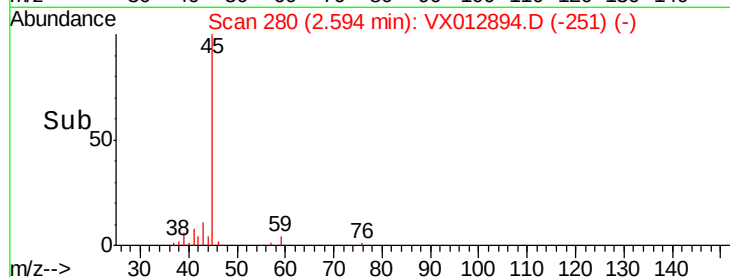
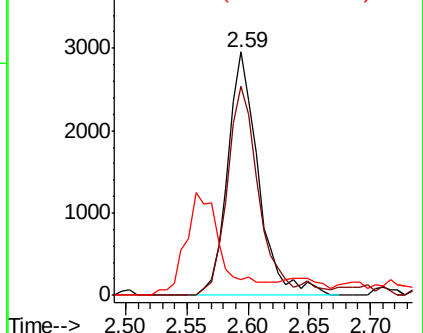
41 100

39 86.4 51.0 76.6#

76 0.0 26.2 39.4#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0



#16

Acetone

Concen: 18.294 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012894.D

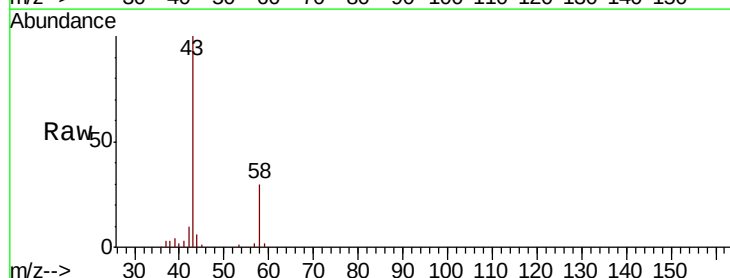
Acq: 08 Oct 2019 17:04

Tgt Ion: 43 Resp: 21555

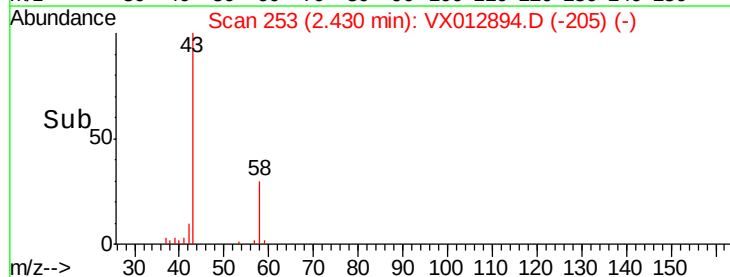
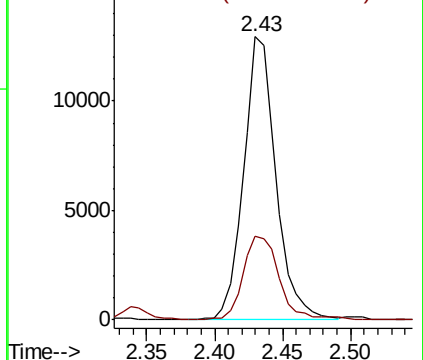
Ion Ratio Lower Upper

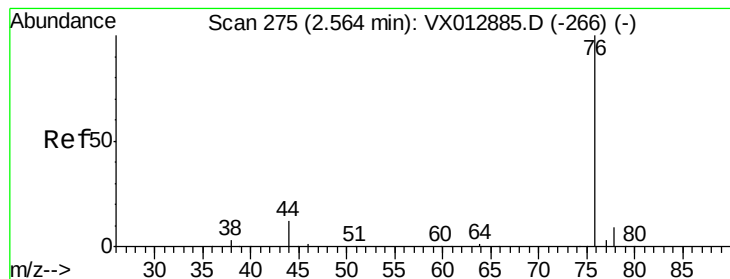
43 100

58 29.6 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.487 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX012894.D

Acq: 08 Oct 2019 17:04

Instrument :

MSVOA_X

ClientSampled :

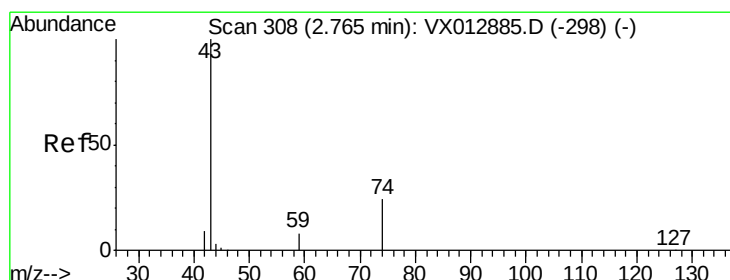
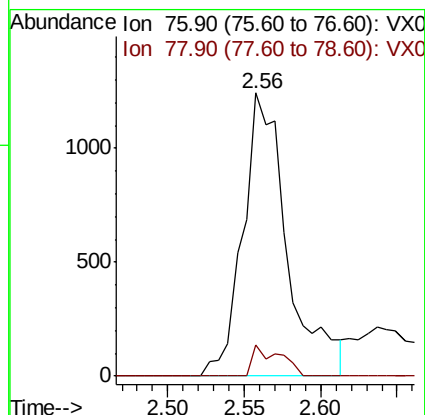
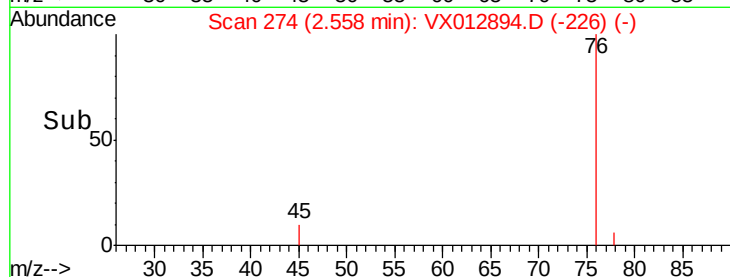
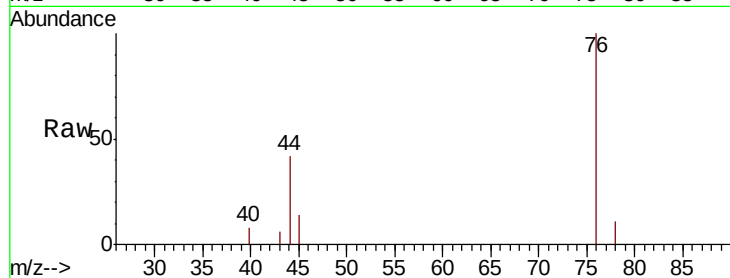
FA19-CHY05

Tot Ion: 76 Resp: 2511

Ion Ratio Lower Upper

76 100

78 11.0 7.1 10.7#



#18

Methyl Acetate

Concen: 5.336 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012894.D

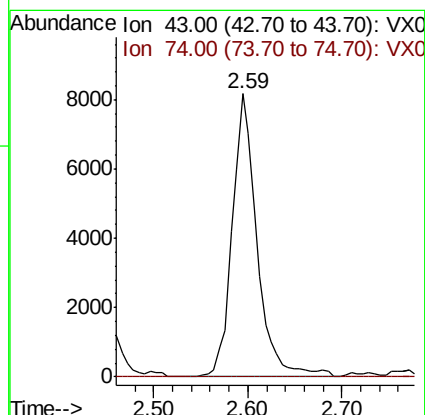
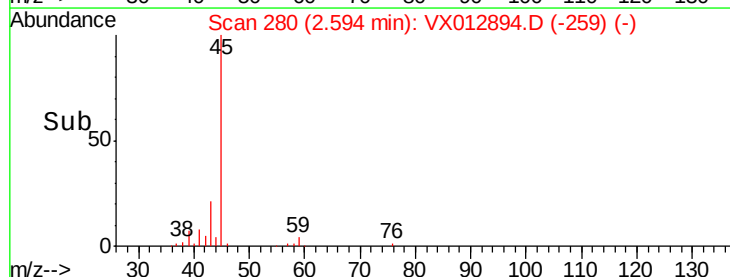
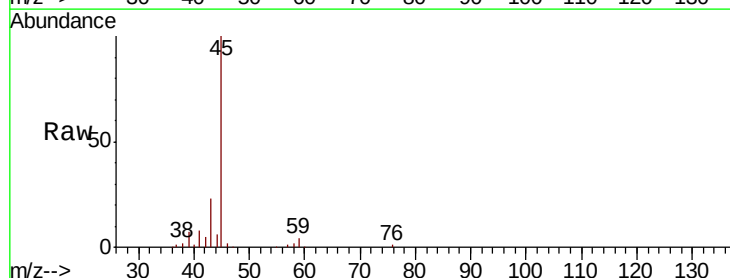
Acq: 08 Oct 2019 17:04

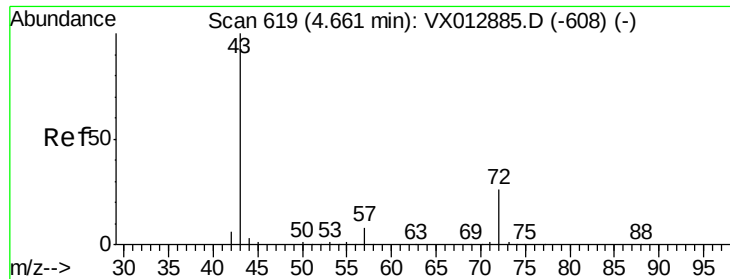
Tgt Ion: 43 Resp: 14903

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#





#25

2-Butanone

Concen: 1.965 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX012894.D

Acq: 08 Oct 2019 17:04

Instrument :

MSVOA_X

ClientSampled :

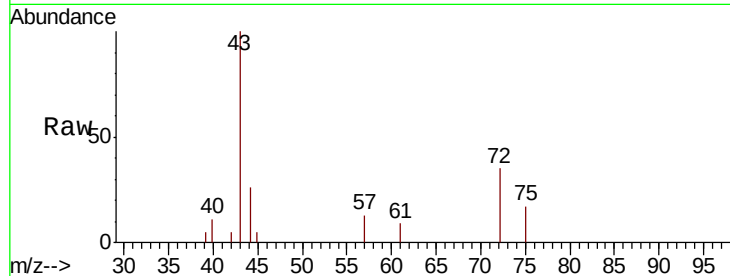
FA19-CHY05

Tot Ion: 43 Resp: 3212

Ion Ratio Lower Upper

43 100

72 34.9 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

1200

1000

800

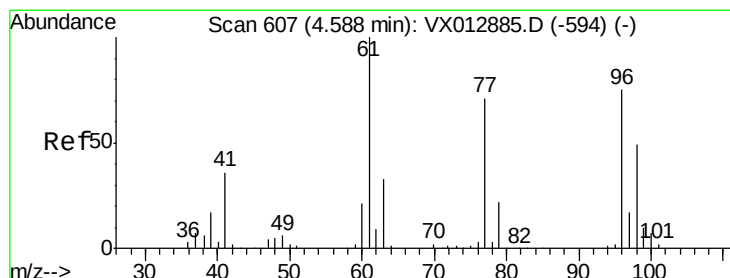
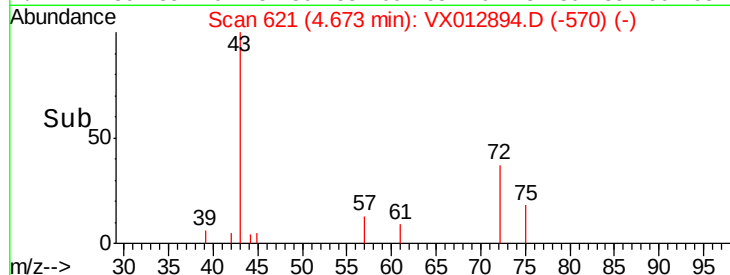
600

400

200

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 2.881 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX012894.D

Acq: 08 Oct 2019 17:04

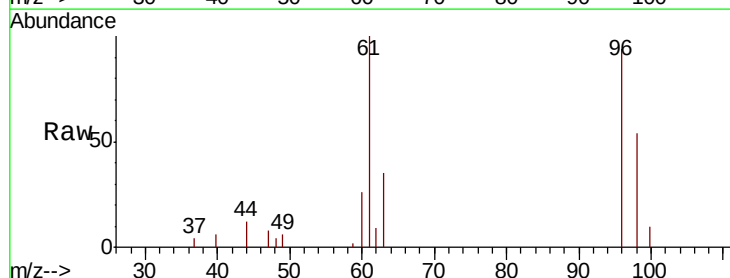
Tgt Ion: 96 Resp: 6433

Ion Ratio Lower Upper

96 100

61 128.1 0.0 290.6

98 65.6 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

4.59

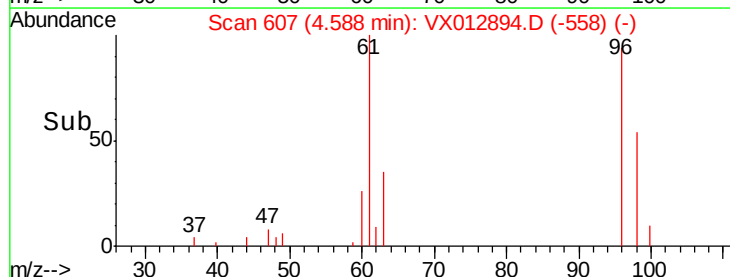
3000

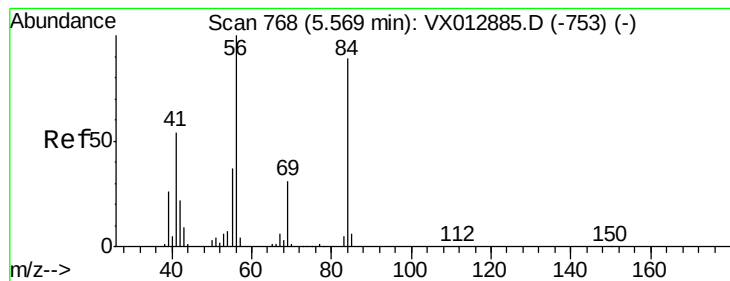
2000

1000

0

Time-->





#31

Cyclohexane

Concen: 1.191 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012894.D

Acq: 08 Oct 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

FA19-CHY05

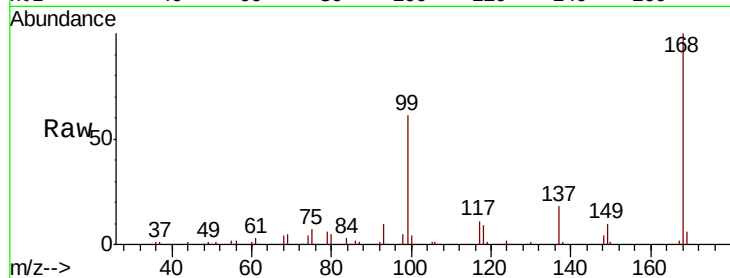
Tot Ion: 56 Resp: 3864

Ion Ratio Lower Upper

56 100

69 214.6 25.2 37.8#

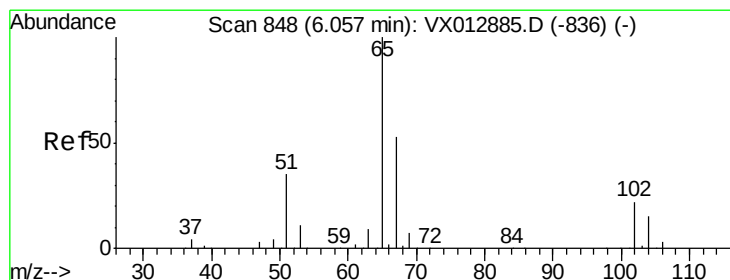
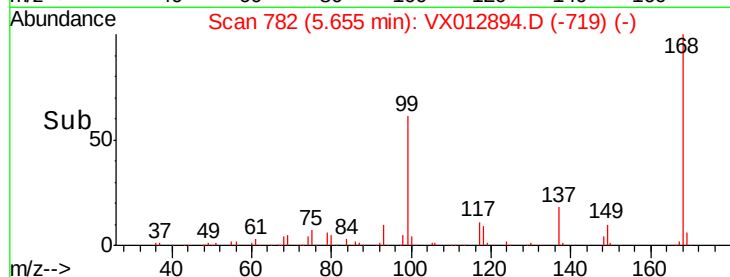
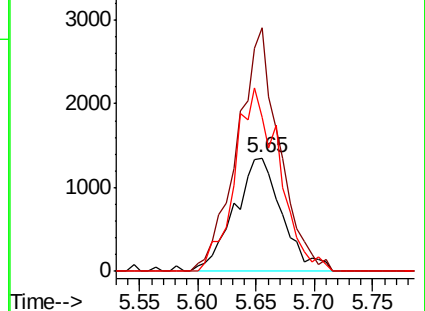
84 136.0 71.3 106.9#



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



#33

1,2-Dichloroethane-d4

Concen: 51.473 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX012894.D

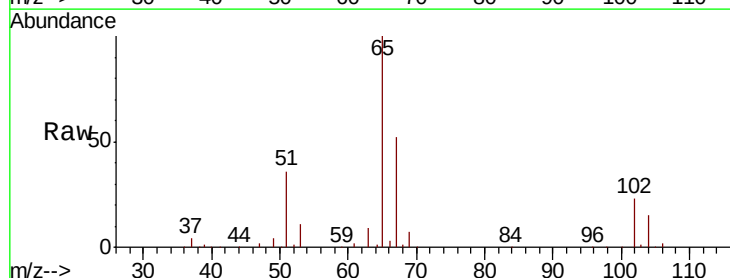
Acq: 08 Oct 2019 17:04

Tgt Ion: 65 Resp: 115061

Ion Ratio Lower Upper

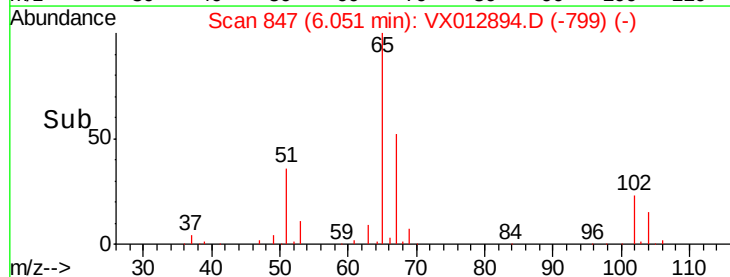
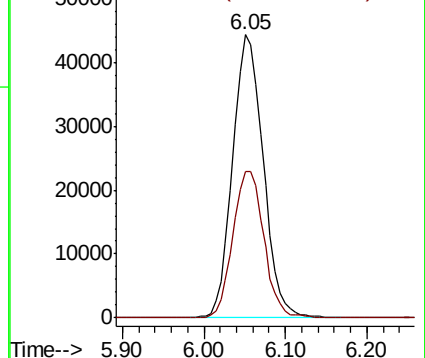
65 100

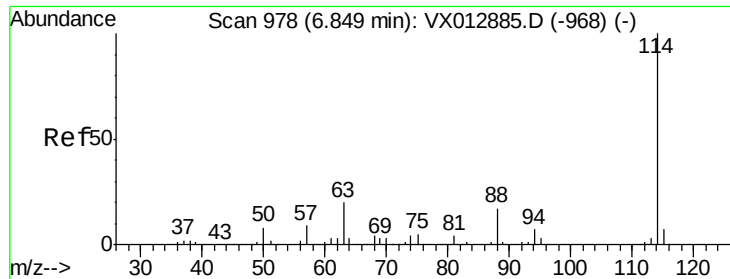
67 52.4 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

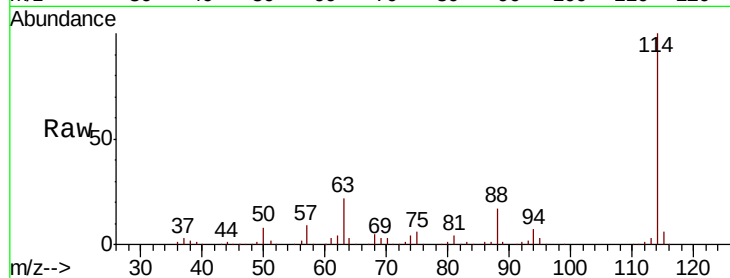




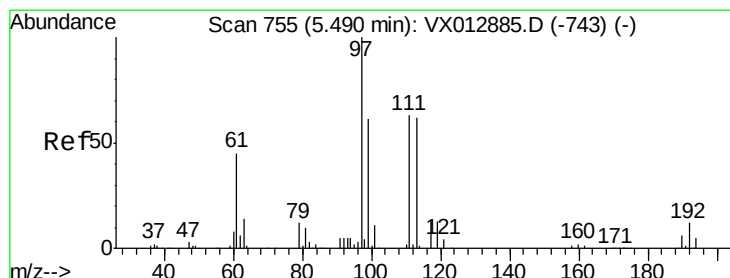
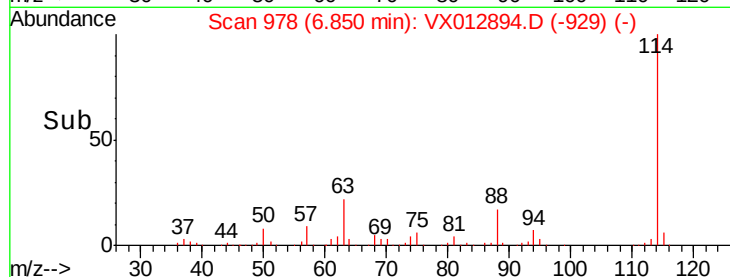
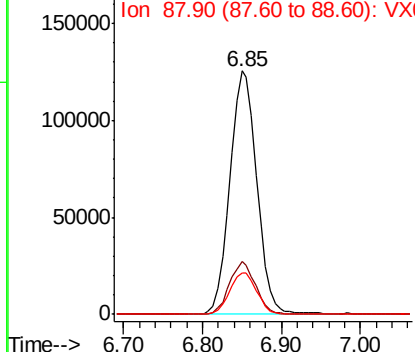
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

Instrument :
MSVOA_X
ClientSampleId :
FA19-CHY05

Tot Ion:114 Resp: 298679
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.8
88 16.8 0.0 33.8

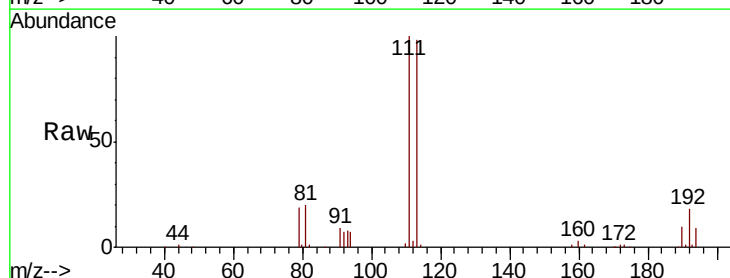


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

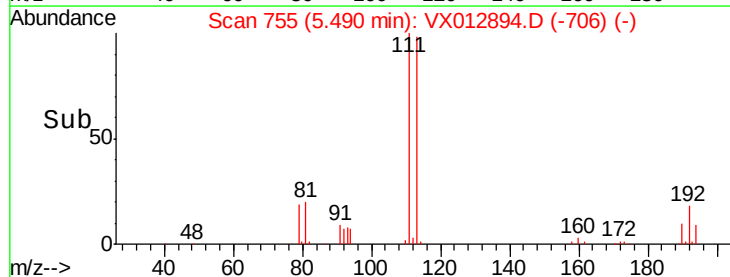
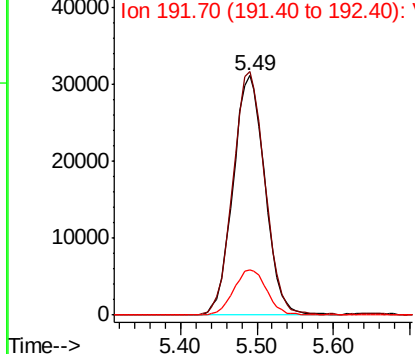


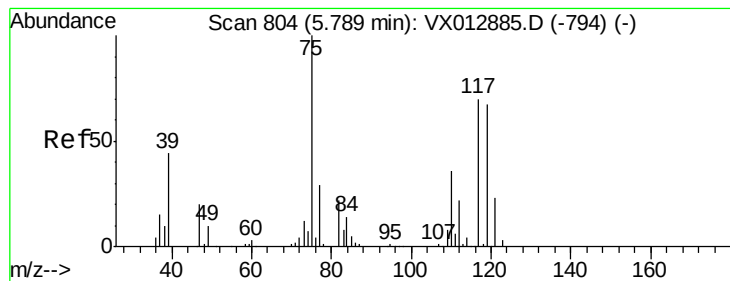
#35
Dibromofluoromethane
Concen: 52.355 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

Tgt Ion:113 Resp: 89750
Ion Ratio Lower Upper
113 100
111 101.5 83.2 124.8
192 19.5 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: 5.368 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012894.D

Acq: 08 Oct 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

FA19-CHY05

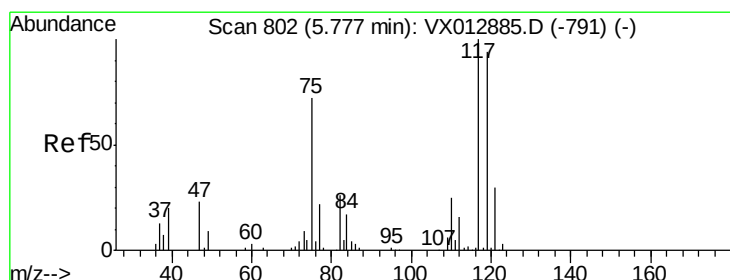
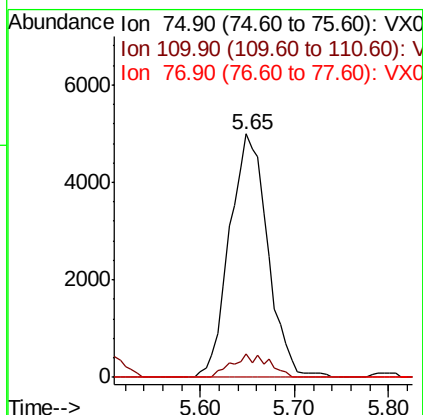
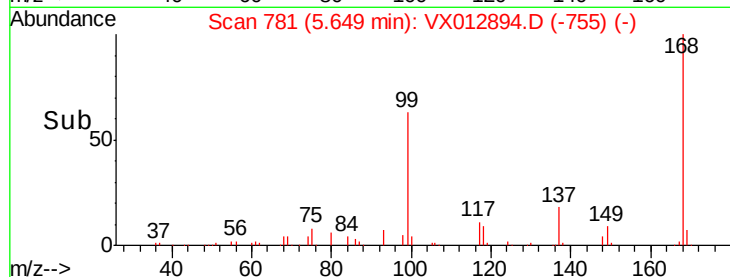
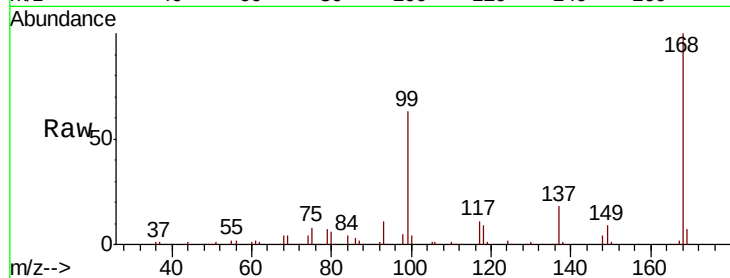
Tot Ion: 75 Resp: 14097

Ion Ratio Lower Upper

75 100

110 9.0 17.6 52.9#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 7.344 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012894.D

Acq: 08 Oct 2019 17:04

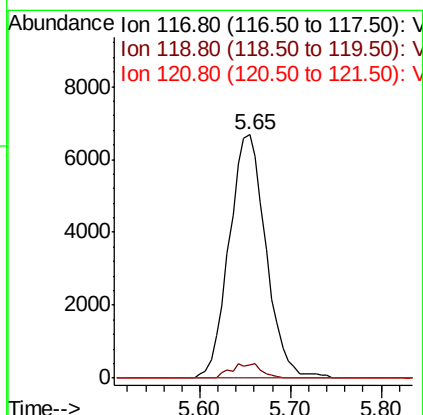
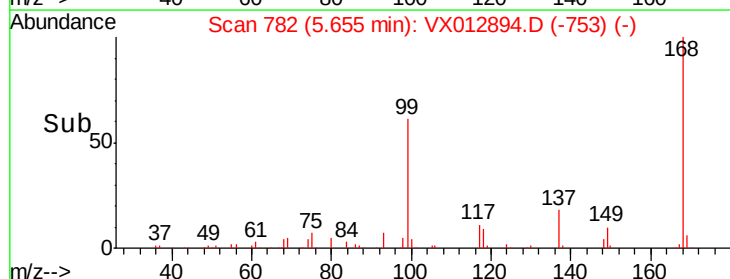
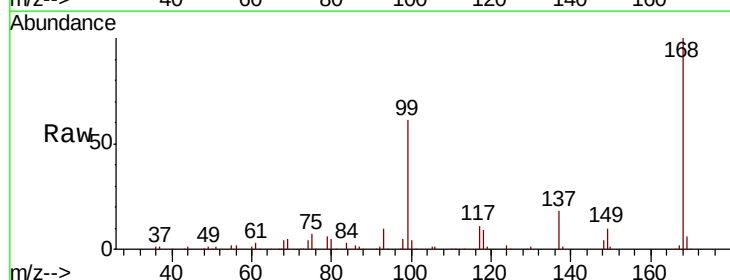
Tgt Ion: 117 Resp: 18772

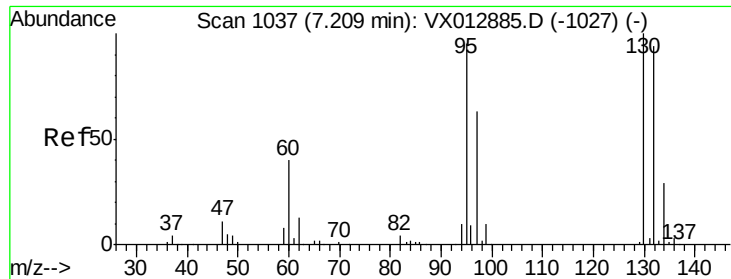
Ion Ratio Lower Upper

117 100

119 5.3 74.5 111.7#

121 0.0 24.2 36.4#





#44

Trichloroethene

Concen: 1.939 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX012894.D

Acq: 08 Oct 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

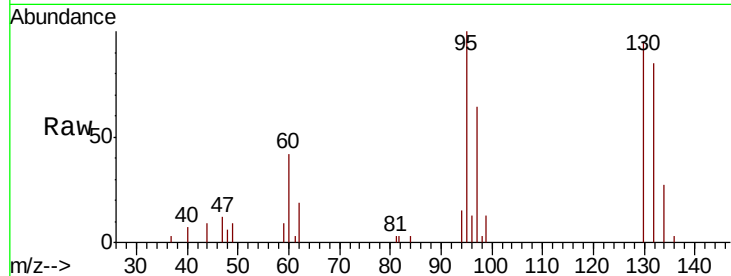
FA19-CHY05

Tot Ion:130 Resp: 4170

Ion Ratio Lower Upper

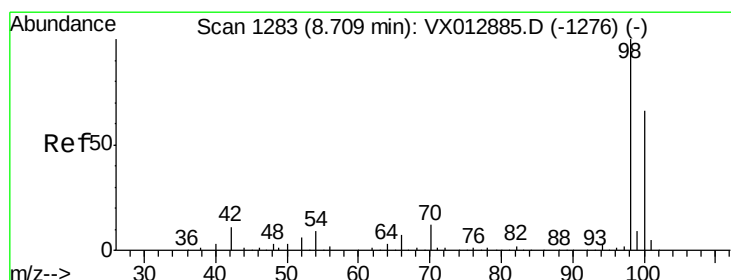
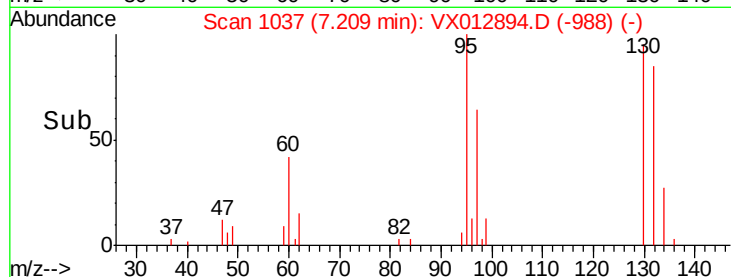
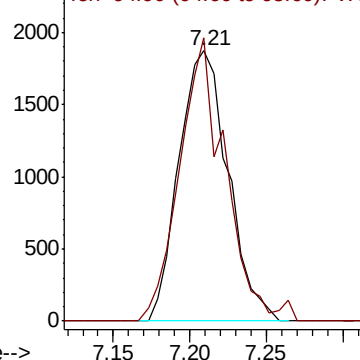
130 100

95 104.9 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: 52.102 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012894.D

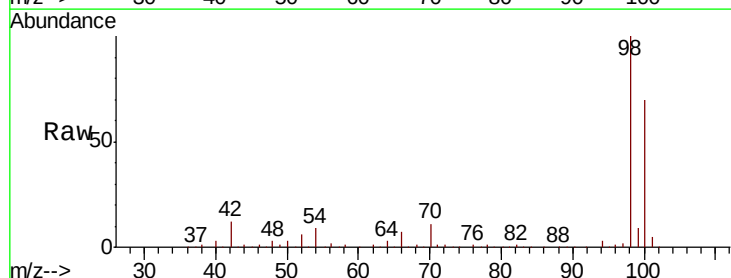
Acq: 08 Oct 2019 17:04

Tgt Ion: 98 Resp: 348353

Ion Ratio Lower Upper

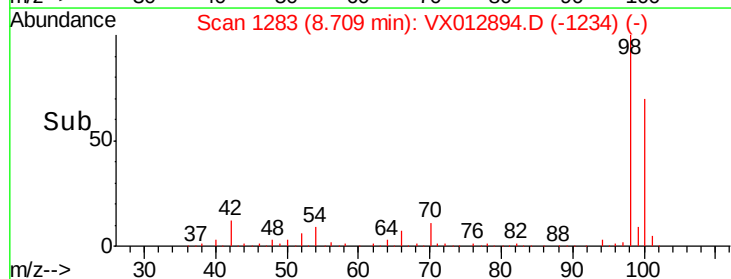
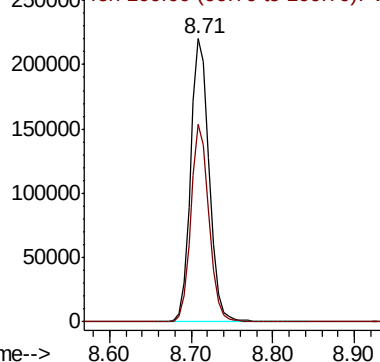
98 100

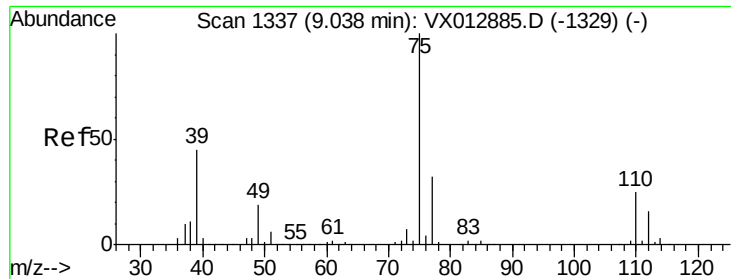
100 67.9 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

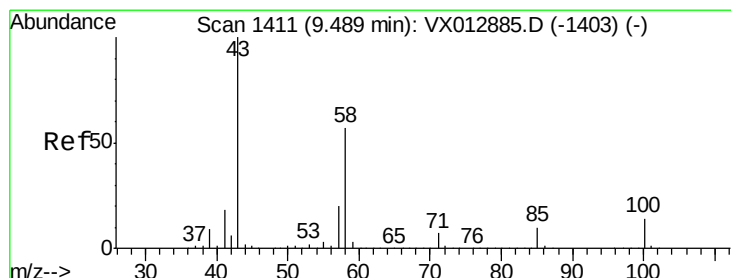
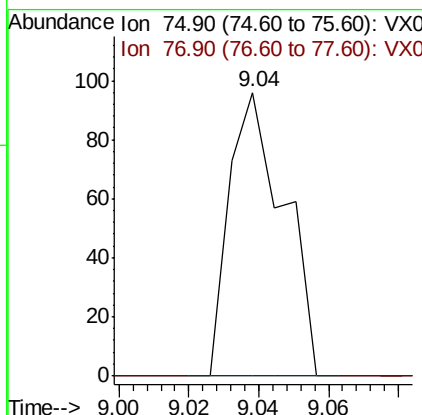
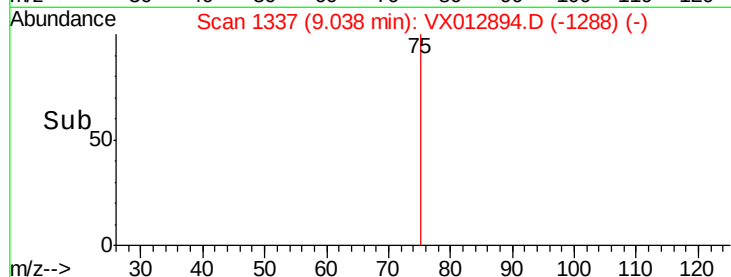
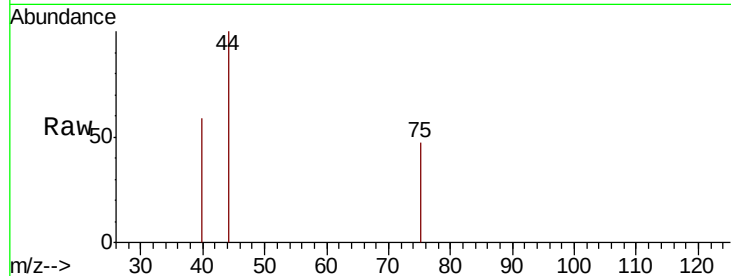




#53
t-1,3-Dichloropropene
Concen: 2.200 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

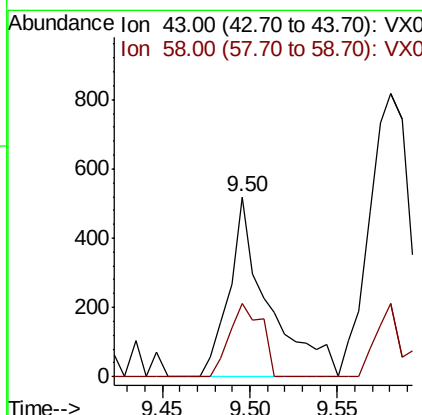
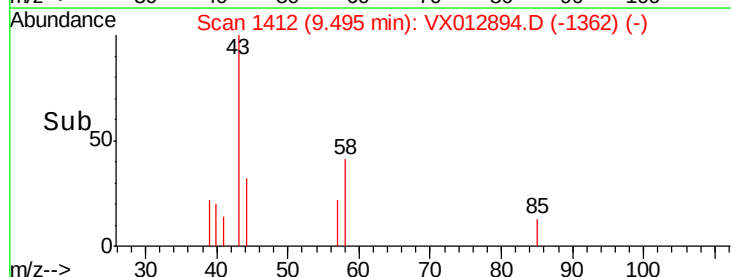
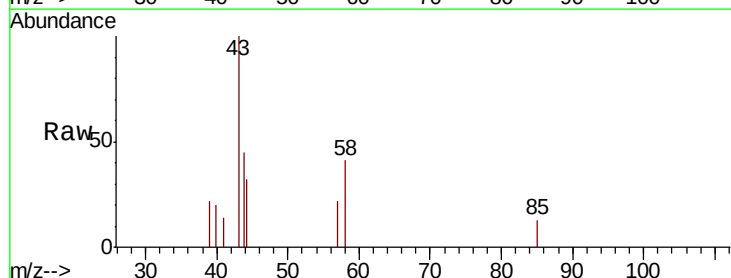
Instrument :
MSVOA_X
ClientSampleId :
FA19-CHY05

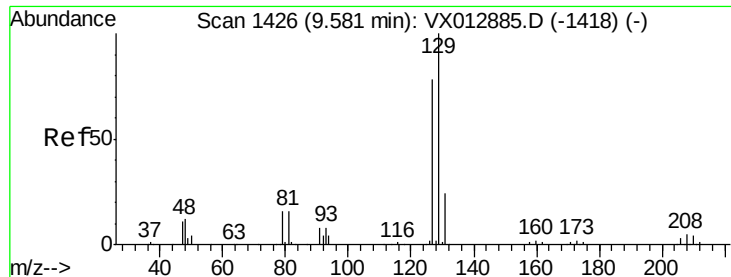
Tot Ion: 75 Resp: 104
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 0.353 ug/l
RT: 9.50 min Scan# 1412
Delta R.T. 0.01 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

Tgt Ion: 43 Resp: 807
Ion Ratio Lower Upper
43 100
58 33.3 28.1 84.3





#60

Dibromochloromethane

Concen: 1.897 ug/l

RT: 9.34 min Scan# 1386

Delta R.T. -0.24 min

Lab File: VX012894.D

Acq: 08 Oct 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

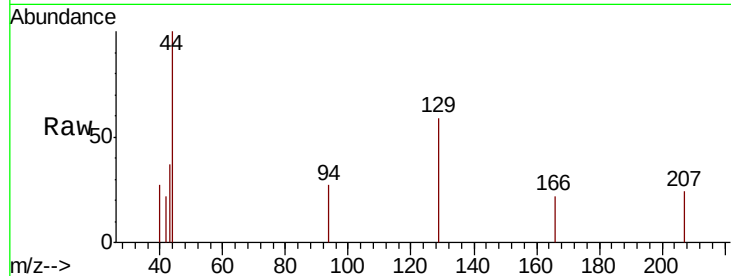
FA19-CHY05

Tot Ion:129 Resp: 90

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

150

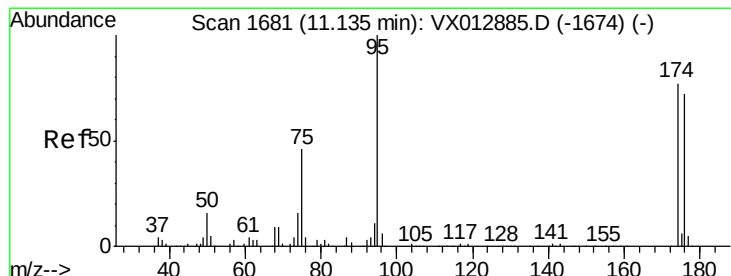
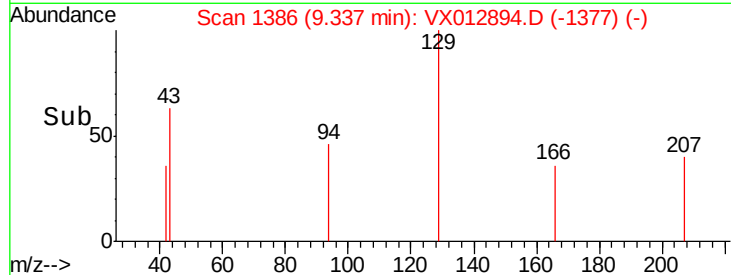
100

50

0

9.32 9.34 9.36

Time-->



#62

4-Bromofluorobenzene

Concen: 46.300 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012894.D

Acq: 08 Oct 2019 17:04

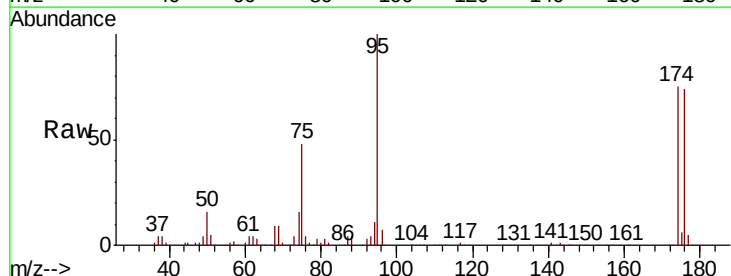
Tgt Ion: 95 Resp: 120282

Ion Ratio Lower Upper

95 100

174 71.8 0.0 143.4

176 68.1 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

120000

100000

80000

60000

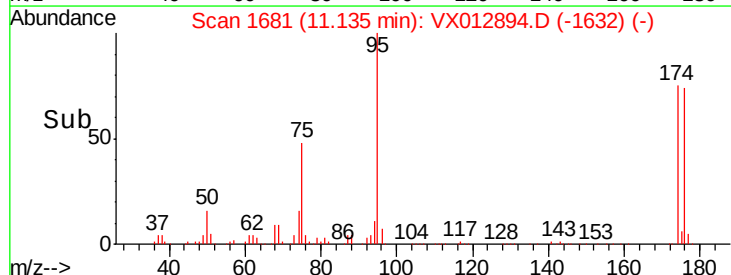
40000

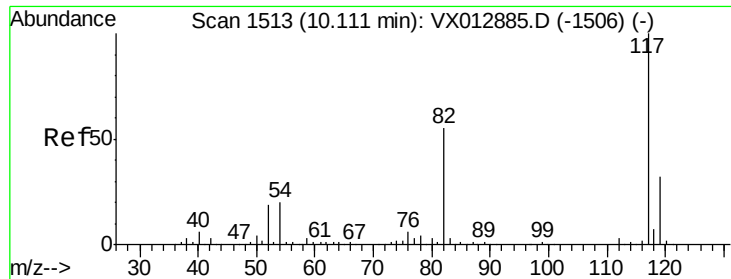
20000

0

11.05 11.10 11.15 11.20

Time-->

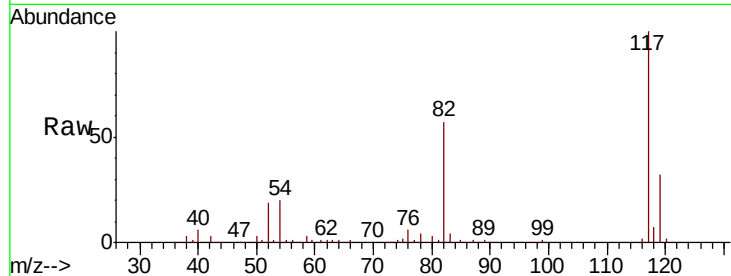




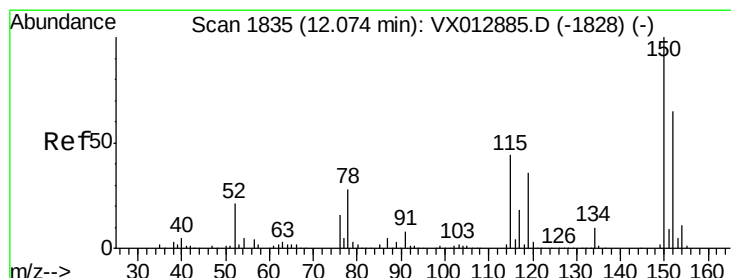
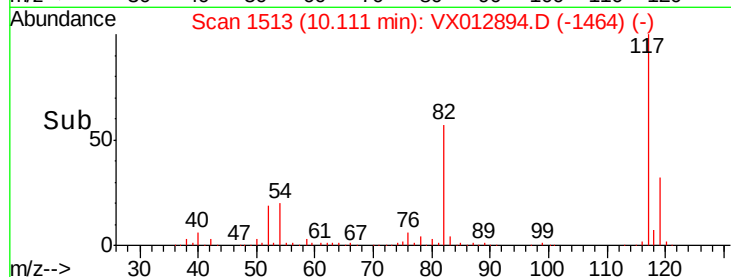
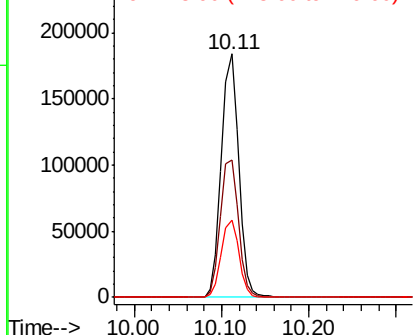
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

Instrument :
MSVOA_X
ClientSampleId :
FA19-CHY05

Tot Ion:117 Resp: 253379
Ion Ratio Lower Upper
117 100
82 56.7 44.1 66.1
119 31.7 25.8 38.8

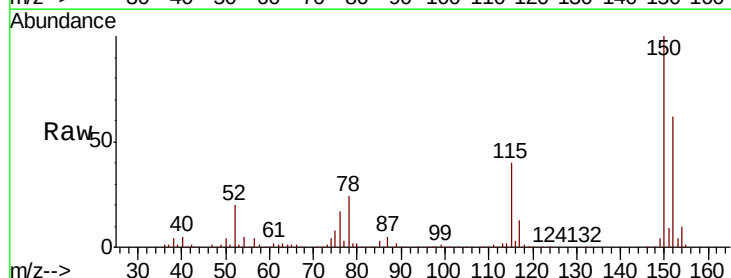


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

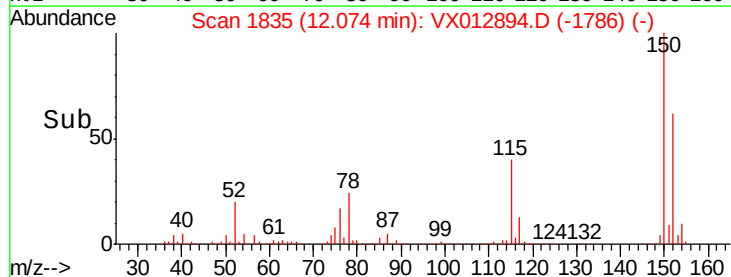
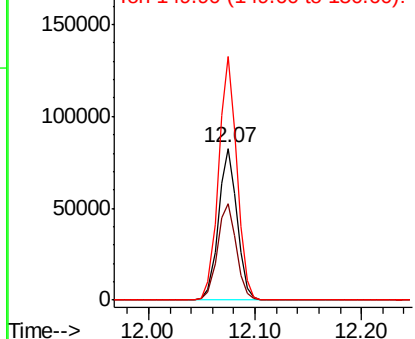


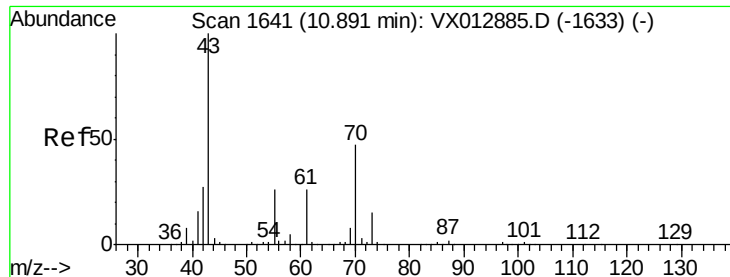
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012894.D
Acq: 08 Oct 2019 17:04

Tgt Ion:152 Resp: 99706
Ion Ratio Lower Upper
152 100
115 64.5 44.5 133.5
150 158.8 0.0 353.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.298 ug/l

RT: 10.90 min Scan# 1643

Delta R.T. 0.01 min

Lab File: VX012894.D

Acq: 08 Oct 2019 17:04

Instrument :

MSVOA_X

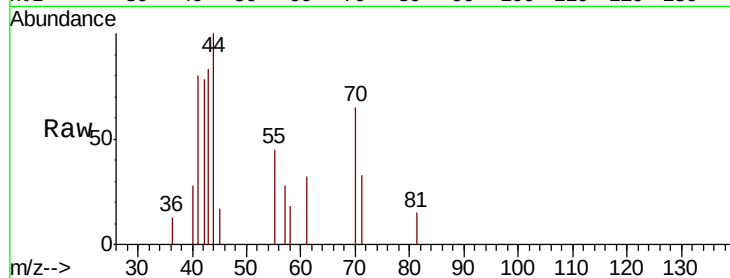
ClientSampled :

FA19-CHY05

Tot Ion: 43 Resp: 940

Ion Ratio Lower Upper

43	100		
70	50.4	36.4	54.6
55	40.2	20.2	30.2#
61	28.5	20.5	30.7

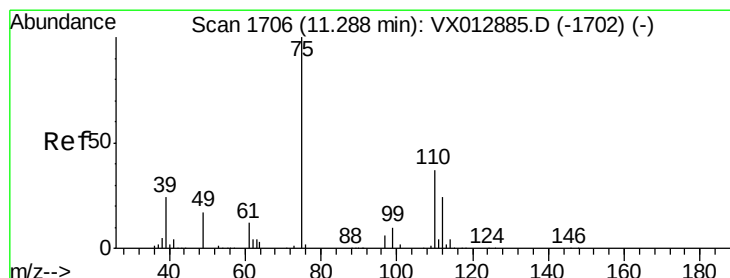
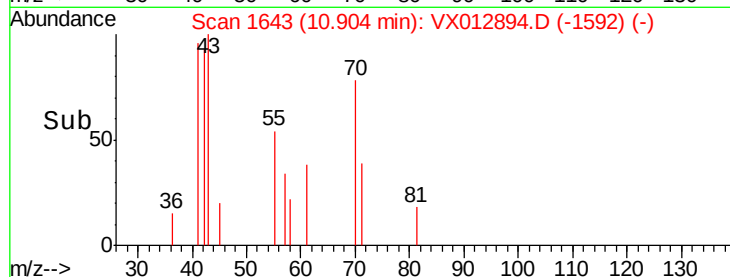
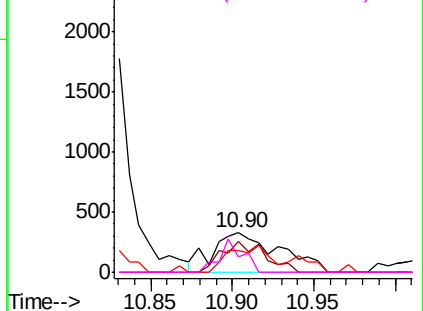


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 26.856 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

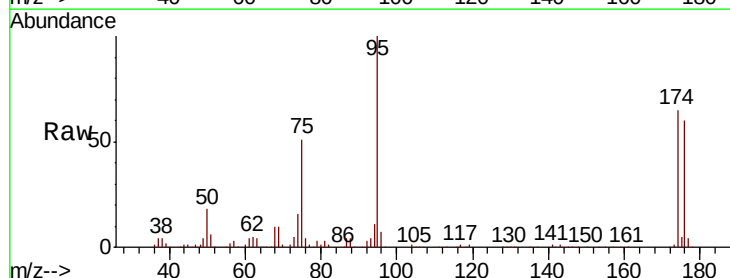
Lab File: VX012894.D

Acq: 08 Oct 2019 17:04

Tgt Ion: 75 Resp: 59391

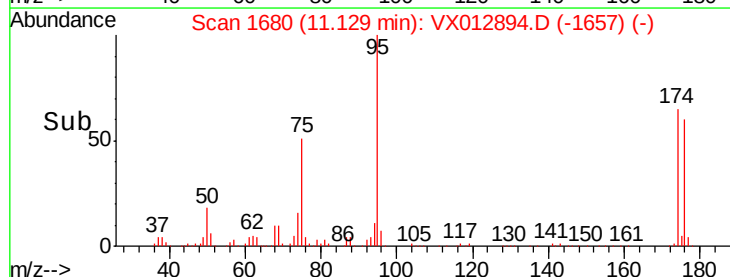
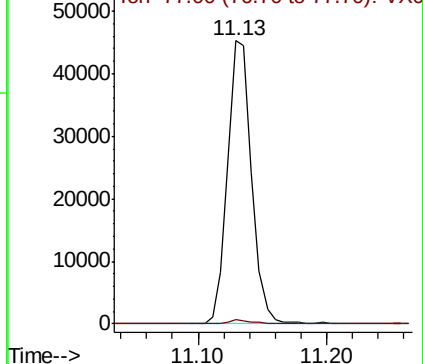
Ion Ratio Lower Upper

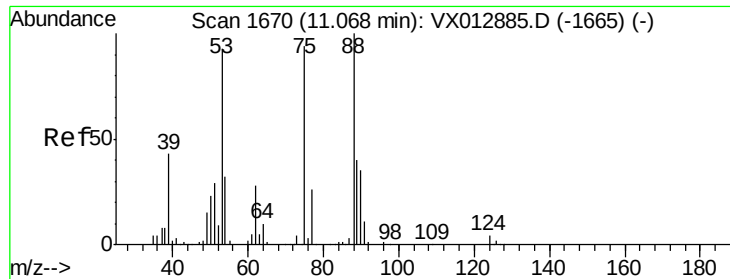
75	100		
77	1.3	22.9	68.8#



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: 67.503 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012894.D

Acq: 08 Oct 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

FA19-CHY05

Tot Ion: 75 Resp: 59391

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 37.4 56.2#

