

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012943.D
 Acq On : 09 Oct 2019 15:22
 Operator : JC/SP
 Sample : K5234-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0132

Quant Time: Oct 10 01:37:33 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	179854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	302720	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	254992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98112	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	117057	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
35) Dibromofluoromethane	5.49	113	90632	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
50) Toluene-d8	8.71	98	349133	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
62) 4-Bromofluorobenzene	11.14	95	119813	45.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.00%	

Target Compounds

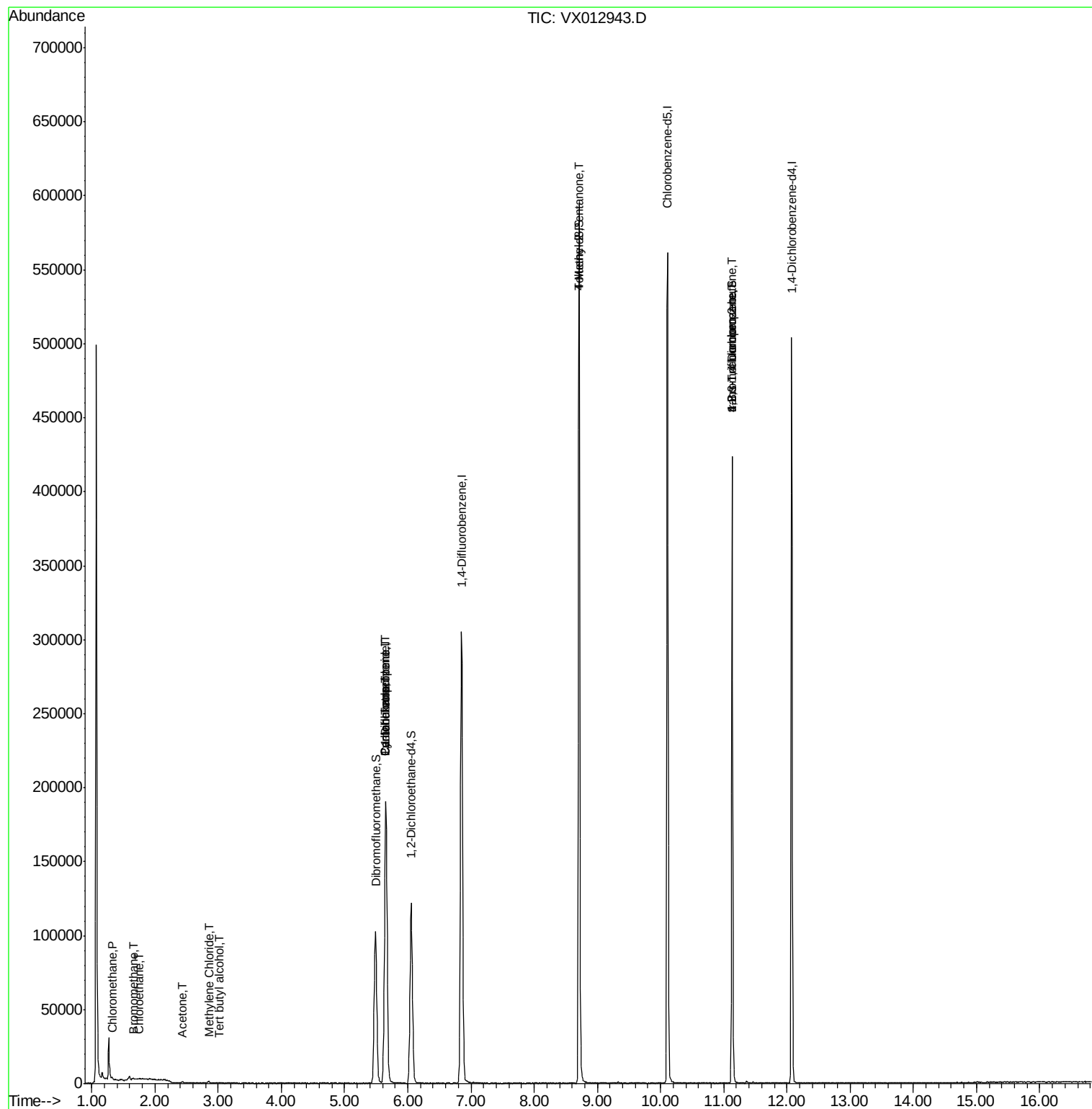
					Qvalue	
3) Chloromethane	1.32	50	475	0.238	ug/l #	62
5) Bromomethane	1.65	94	338	0.395	ug/l #	60
6) Chloroethane	1.75	64	373	0.662	ug/l #	43
11) Tert butyl alcohol	3.02	59	507	0.851	ug/l #	72
16) Acetone	2.44	43	790	0.667	ug/l	98
20) Methylene Chloride	2.85	84	781	0.359	ug/l #	85
31) Cyclohexane	5.65	56	3953	1.212	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14596	5.484	ug/l #	49
38) Carbon Tetrachloride	5.65	117	18446	7.120	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1651	0.554	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	59762	27.463	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	59762	68.935	ug/l #	10

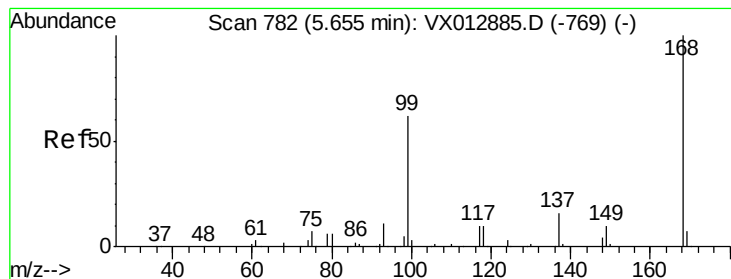
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 10 01:37:33 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: VX012943.D

Acq: 09 Oct 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

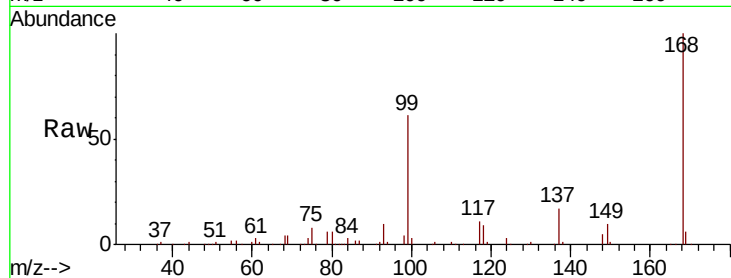
FA19-MMW0132

Tot Ion:168 Resp: 179854

Ion Ratio Lower Upper

168 100

99 61.3 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

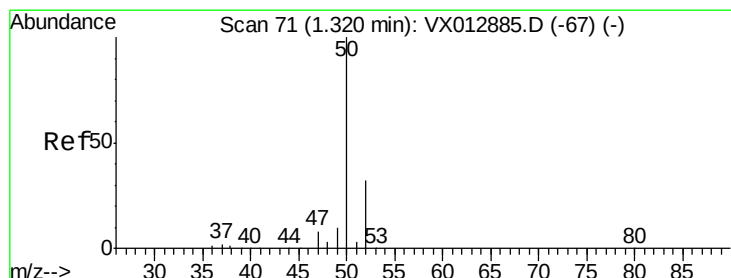
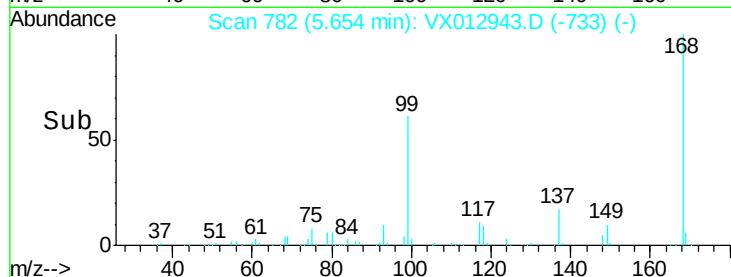
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.238 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012943.D

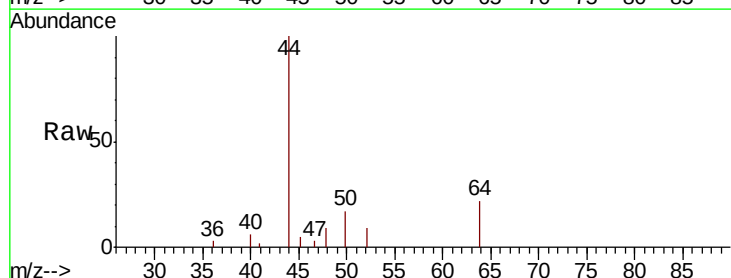
Acq: 09 Oct 2019 15:22

Tgt Ion: 50 Resp: 475

Ion Ratio Lower Upper

50 100

52 52.8 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

400

300

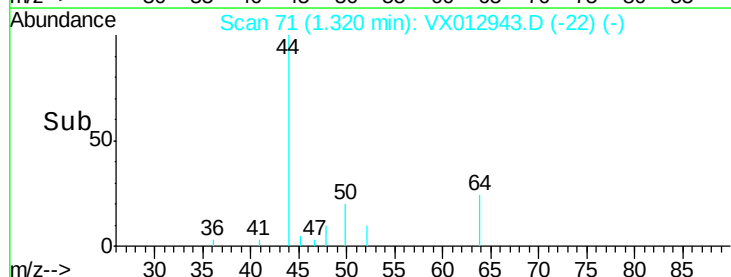
200

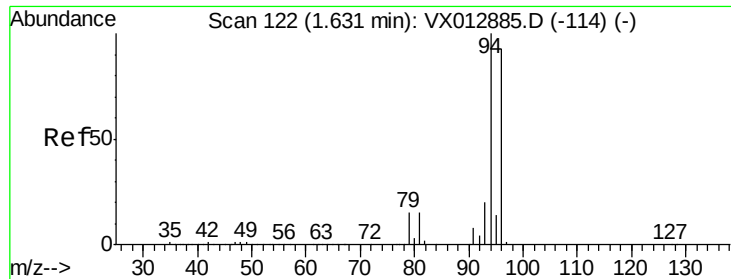
100

0

Time-->

1.30 1.32 1.34





#5

Bromomethane

Concen: 0.395 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012943.D

Acq: 09 Oct 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

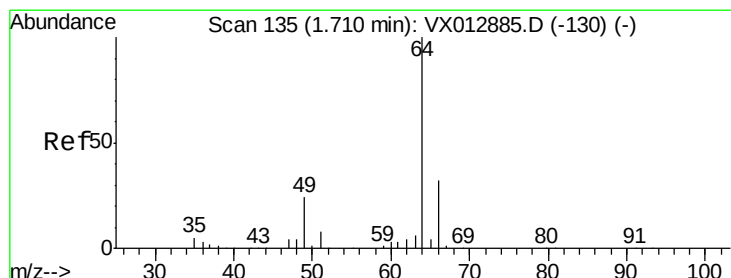
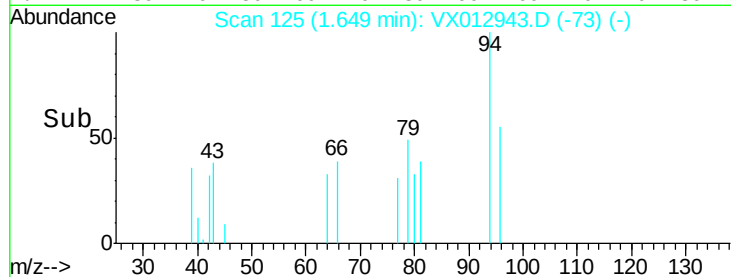
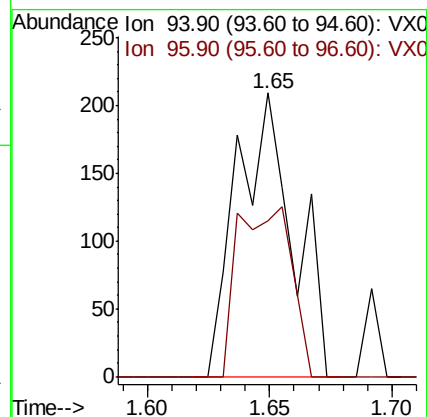
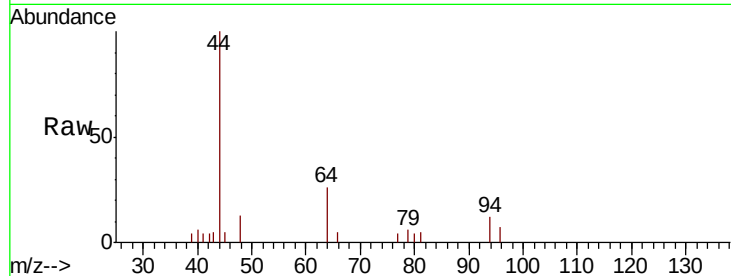
FA19-MMW0132

Tot Ion: 94 Resp: 338

Ion Ratio Lower Upper

94 100

96 55.0 74.7 112.1#



#6

Chloroethane

Concen: 0.662 ug/l

RT: 1.75 min Scan# 141

Delta R.T. 0.04 min

Lab File: VX012943.D

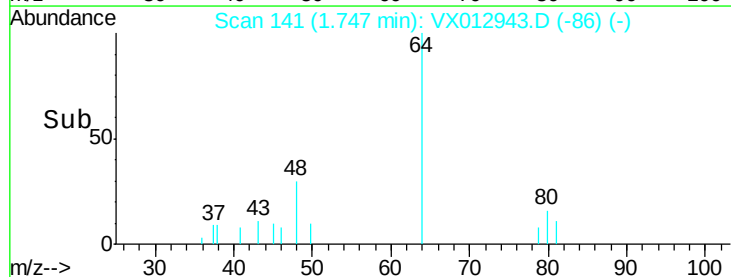
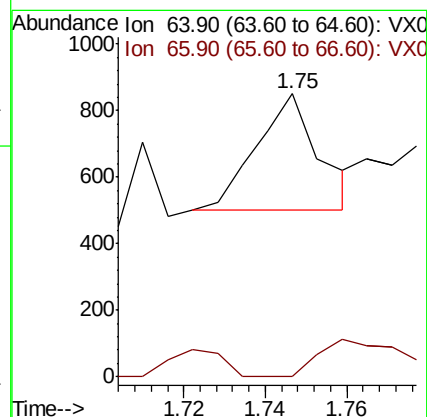
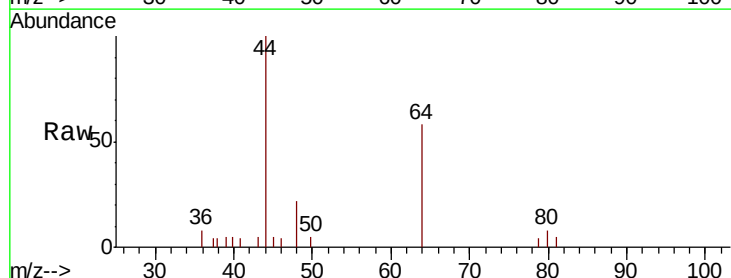
Acq: 09 Oct 2019 15:22

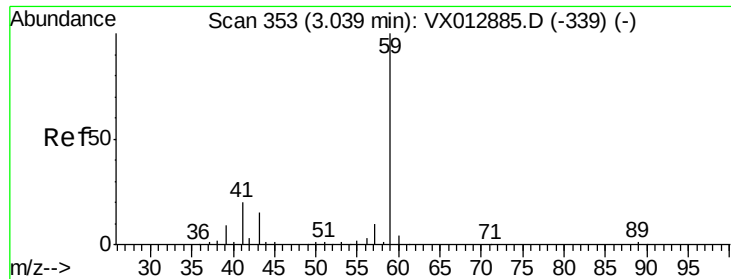
Tgt Ion: 64 Resp: 373

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#

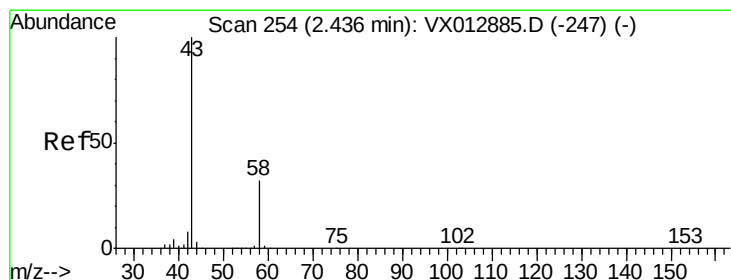
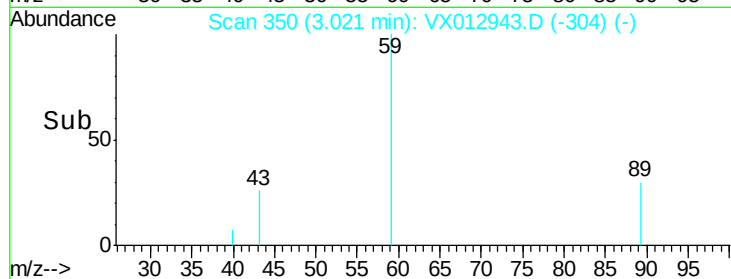
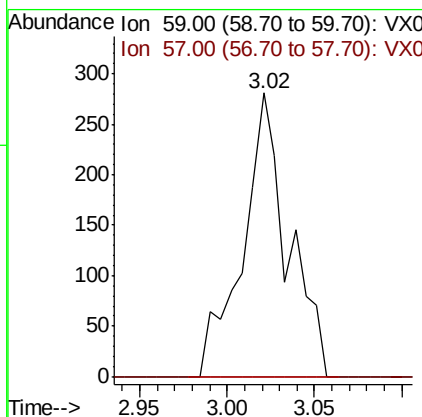
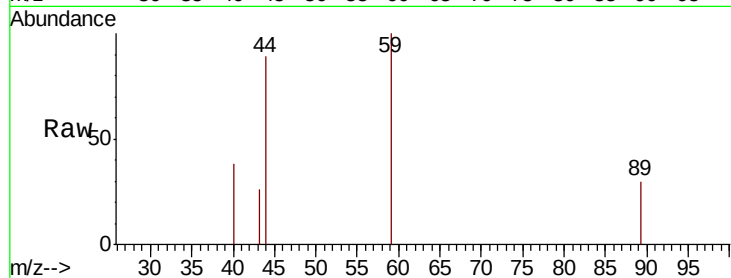




#11
Tert butyl alcohol
Concen: 0.851 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX012943.D
Acq: 09 Oct 2019 15:22

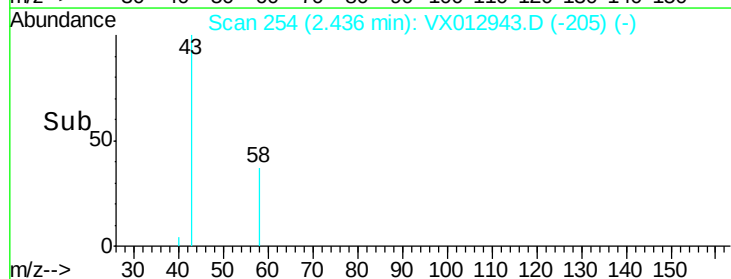
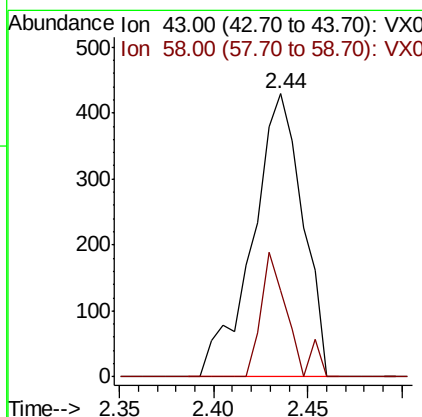
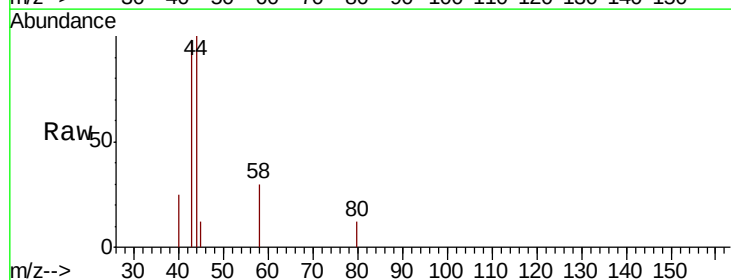
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0132

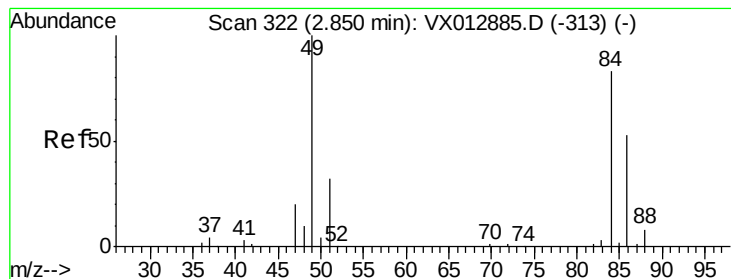
Tot Ion: 59 Resp: 507
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 0.667 ug/l
RT: 2.44 min Scan# 254
Delta R.T. -0.00 min
Lab File: VX012943.D
Acq: 09 Oct 2019 15:22

Tgt Ion: 43 Resp: 790
Ion Ratio Lower Upper
43 100
58 30.5 25.4 38.2





#20

Methvlene Chloride

Concen: 0.359 ug/l

RT: 2.85 min Scan# 322

Delta R.T. -0.00 min

Lab File: VX012943.D

Acq: 09 Oct 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0132

Tot Ion: 84 Resp: 781

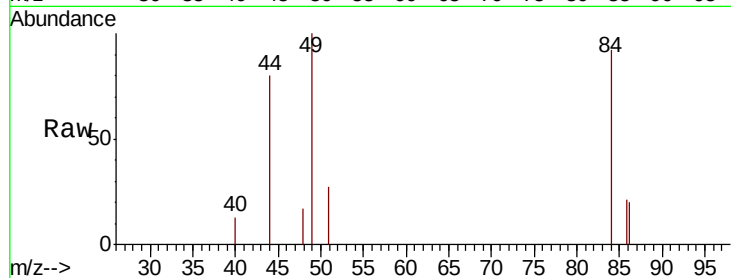
Ion Ratio Lower Upper

84 100

49 108.9 96.6 144.8

51 29.3 30.7 46.1#

86 44.4 51.0 76.6#

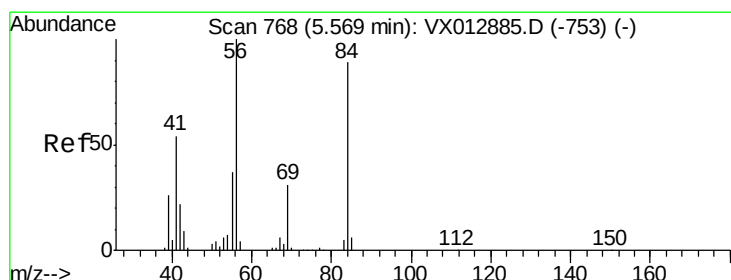
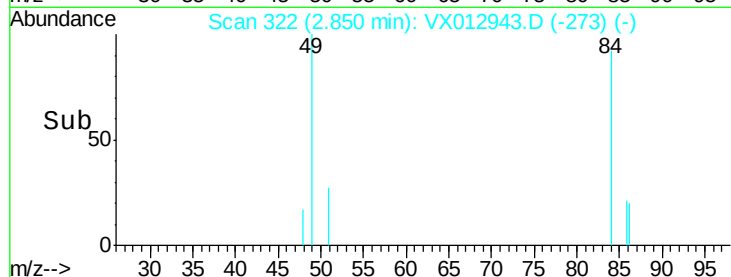
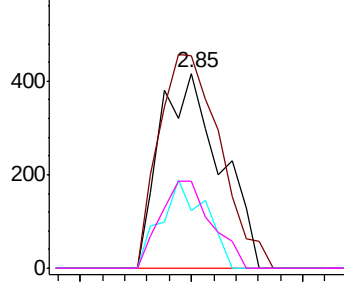


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#31

Cyclohexane

Concen: 1.212 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012943.D

Acq: 09 Oct 2019 15:22

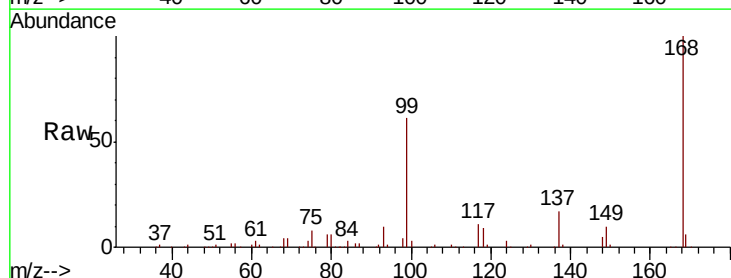
Tgt Ion: 56 Resp: 3953

Ion Ratio Lower Upper

56 100

69 188.2 25.2 37.8#

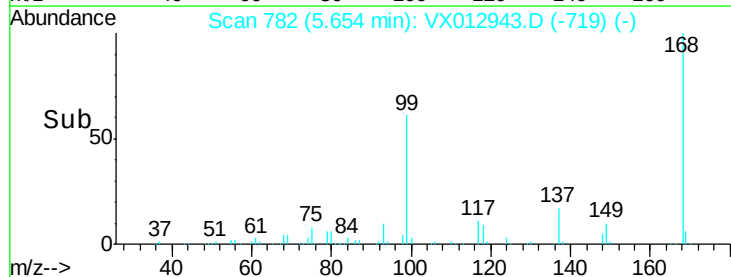
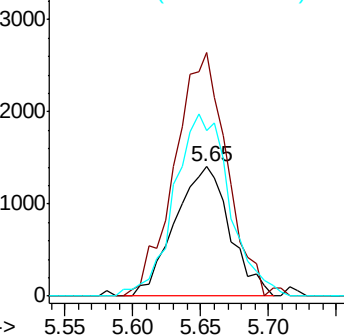
84 123.1 71.3 106.9#

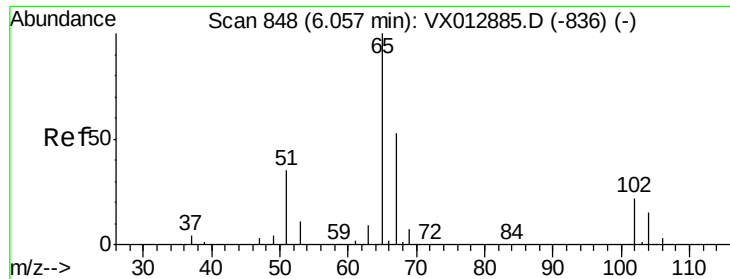


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

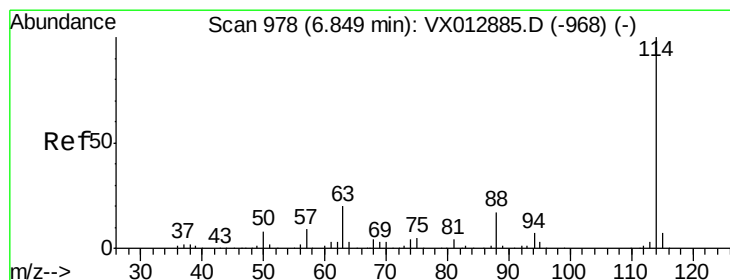
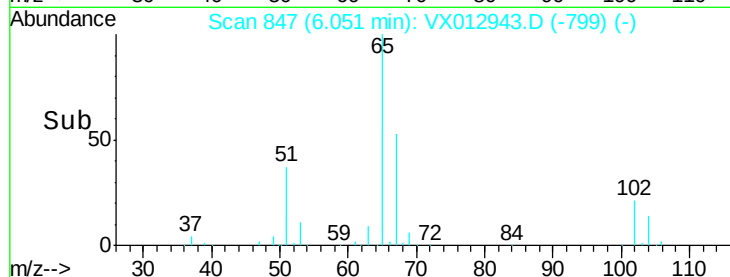
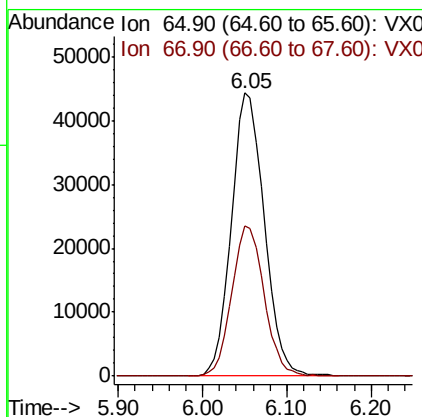
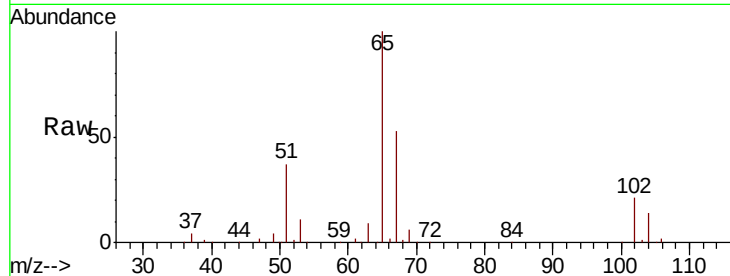




#33
 1,2-Dichloroethane-d4
 Concen: 52.073 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX012943.D
 Acq: 09 Oct 2019 15:22

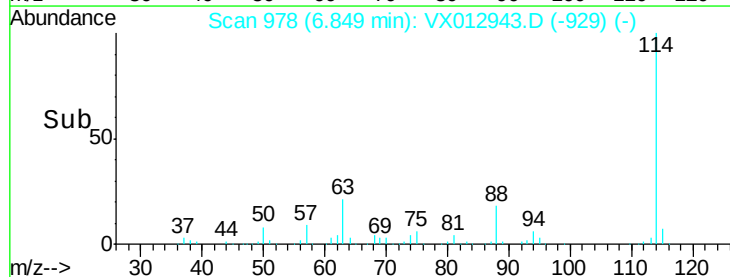
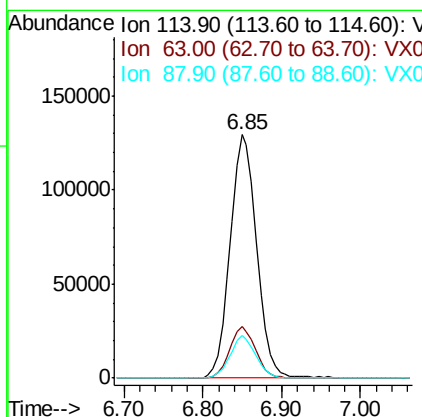
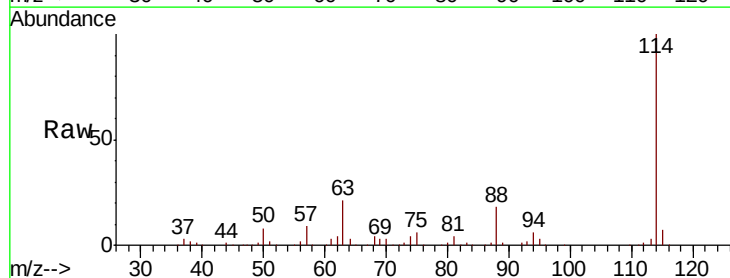
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0132

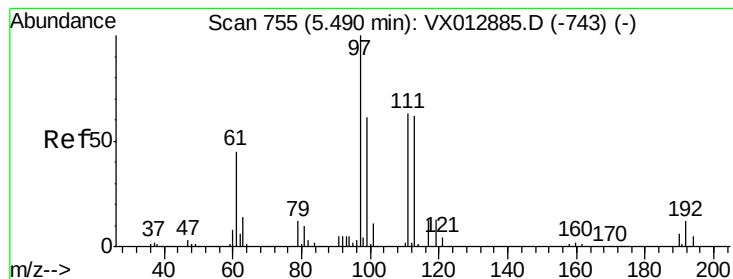
Tot Ion: 65 Resp: 117057
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012943.D
 Acq: 09 Oct 2019 15:22

Tgt Ion: 114 Resp: 302720
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 40.8
 88 17.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 52.164 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012943.D

Acq: 09 Oct 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0132

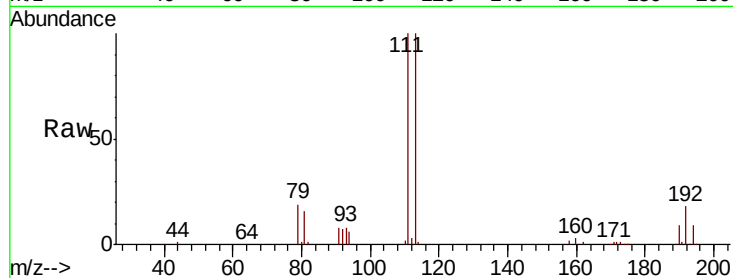
Tot Ion:113 Resp: 90632

Ion Ratio Lower Upper

113 100

111 101.8 83.2 124.8

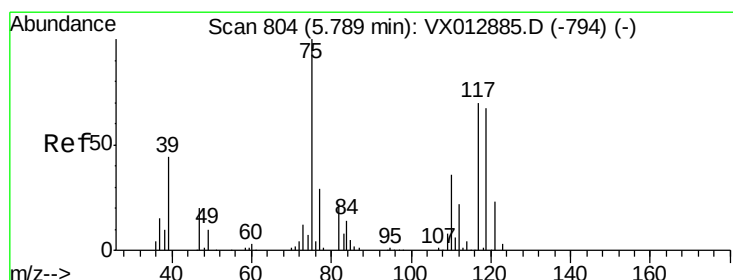
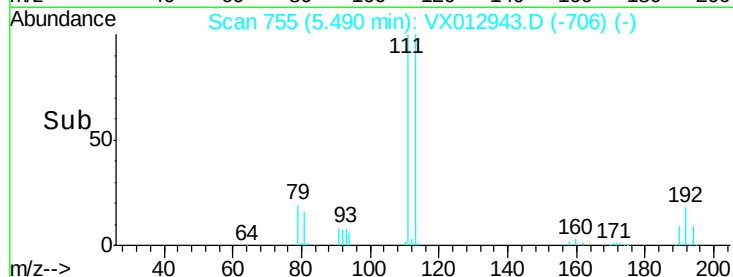
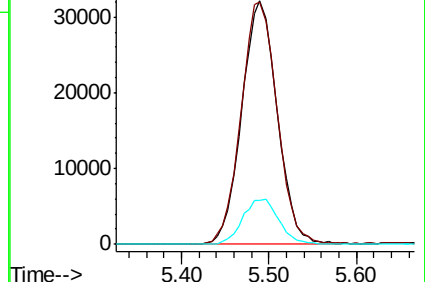
192 19.0 15.4 23.2



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: 5.484 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012943.D

Acq: 09 Oct 2019 15:22

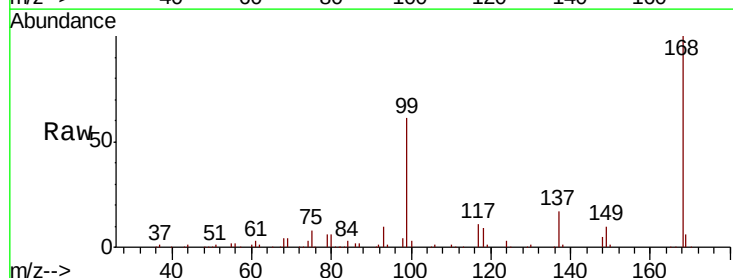
Tgt Ion: 75 Resp: 14596

Ion Ratio Lower Upper

75 100

110 8.1 17.6 52.9#

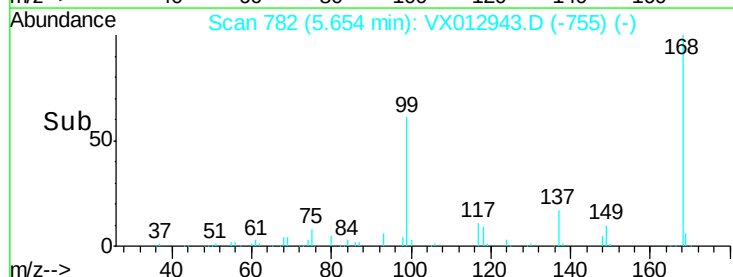
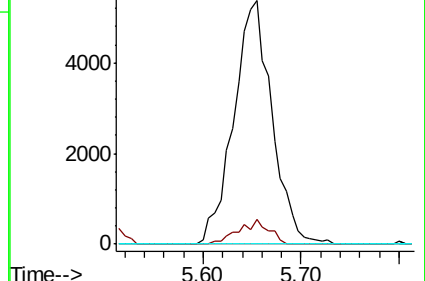
77 0.0 24.4 36.6#

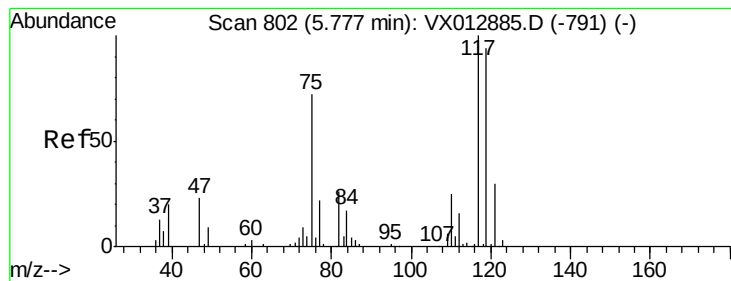


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.120 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012943.D

Acq: 09 Oct 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0132

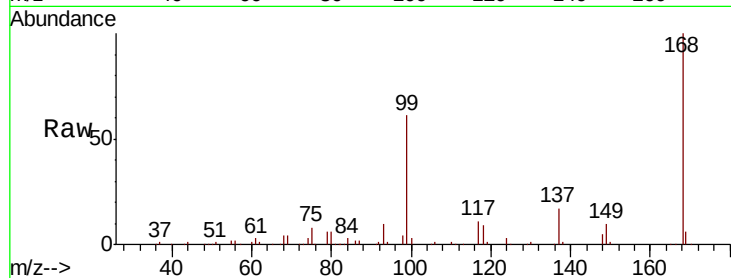
Tot Ion:117 Resp: 18446

Ion Ratio Lower Upper

117 100

119 4.7 74.5 111.7#

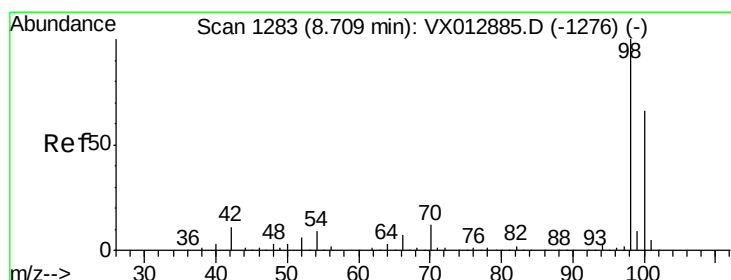
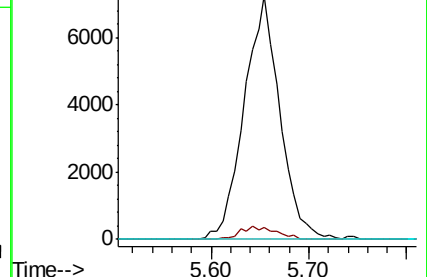
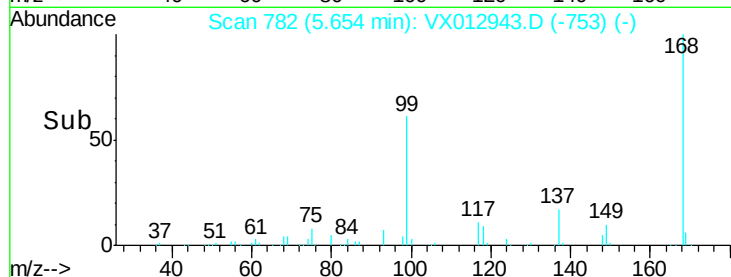
121 0.0 24.2 36.4#



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



#50

Toluene-d8

Concen: 51.521 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012943.D

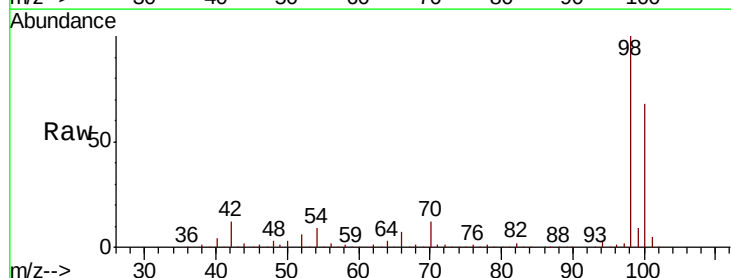
Acq: 09 Oct 2019 15:22

Tgt Ion: 98 Resp: 349133

Ion Ratio Lower Upper

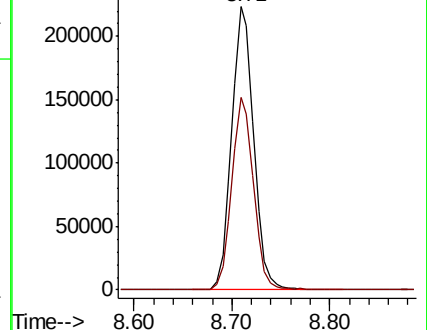
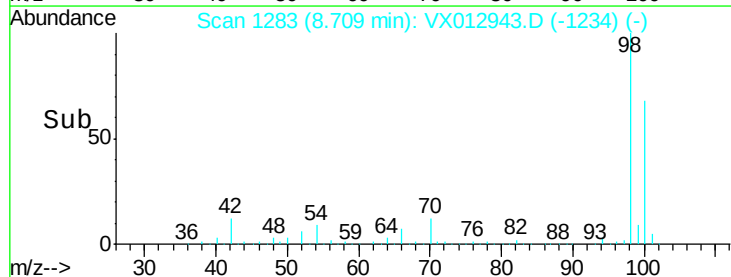
98 100

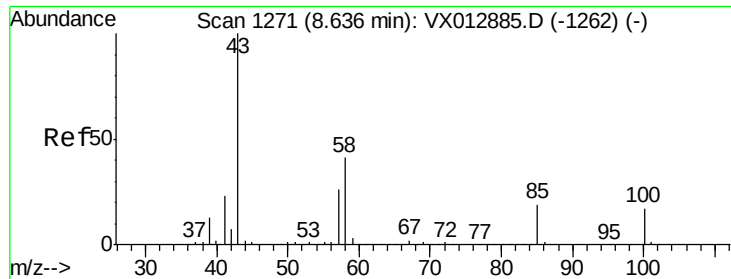
100 67.1 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.554 ug/l

RT: 8.71 min Scan# 1284

Delta R.T. 0.08 min

Lab File: VX012943.D

Acq: 09 Oct 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

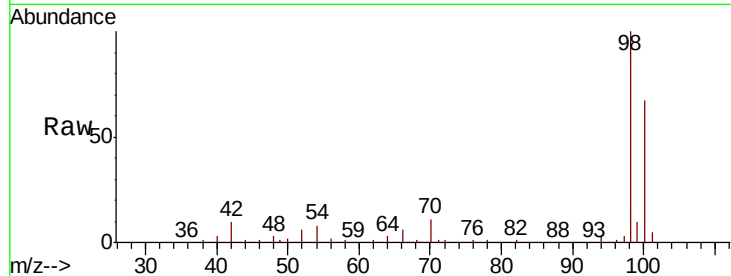
FA19-MMW0132

Tot Ion: 43 Resp: 1651

Ion Ratio Lower Upper

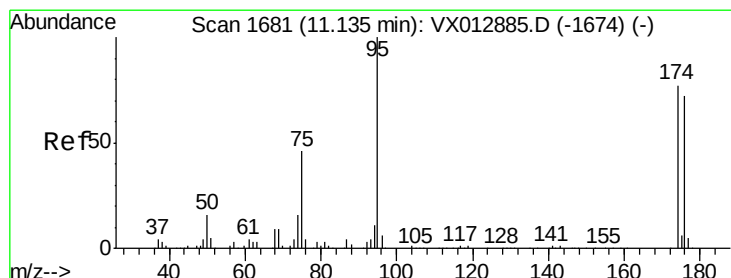
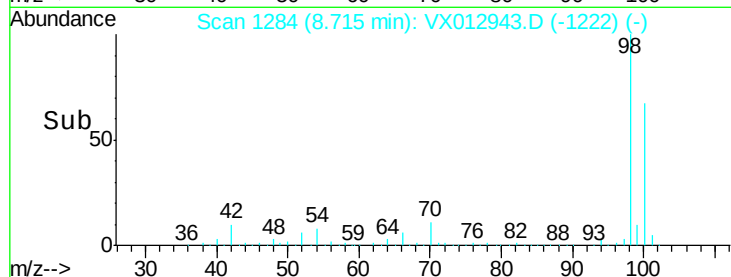
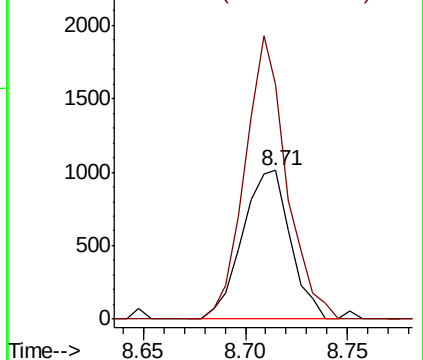
43 100

58 165.5 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 45.503 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012943.D

Acq: 09 Oct 2019 15:22

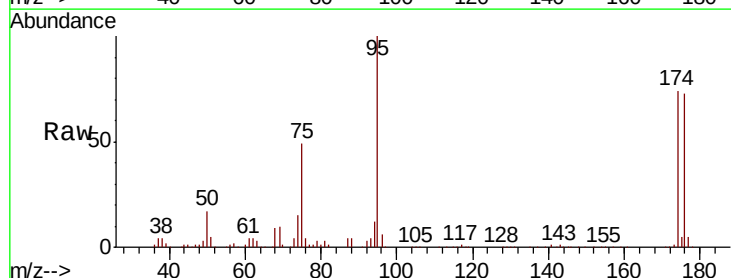
Tgt Ion: 95 Resp: 119813

Ion Ratio Lower Upper

95 100

174 71.7 0.0 143.4

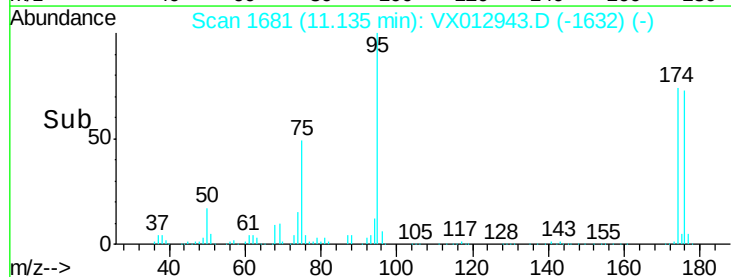
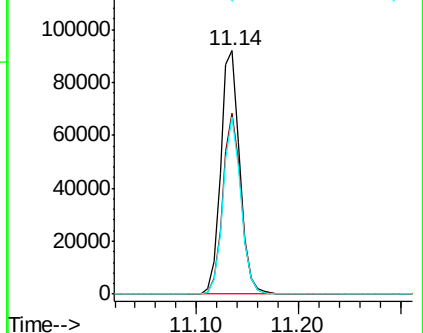
176 68.4 0.0 136.0

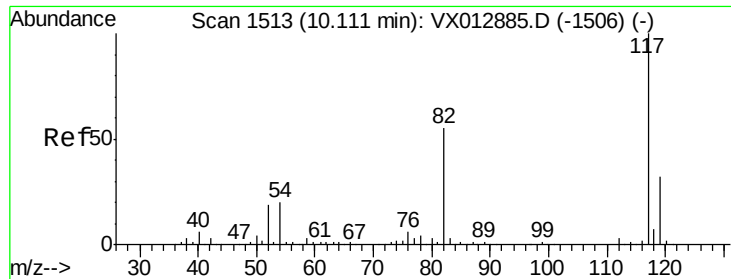


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

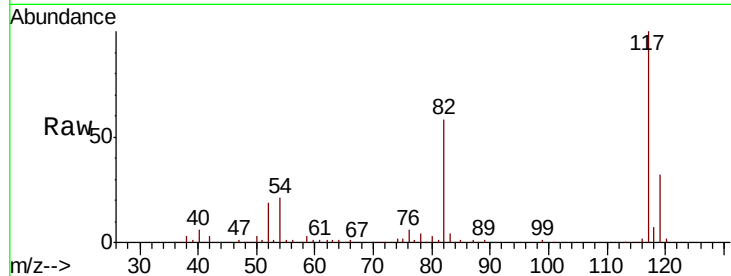




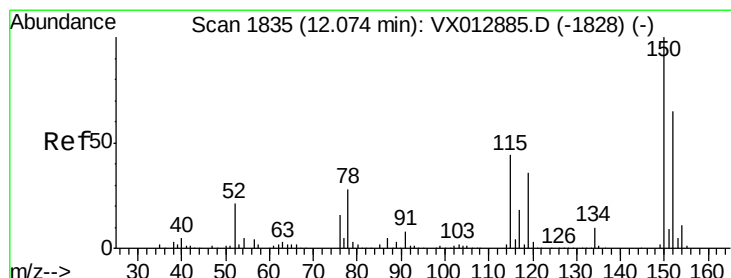
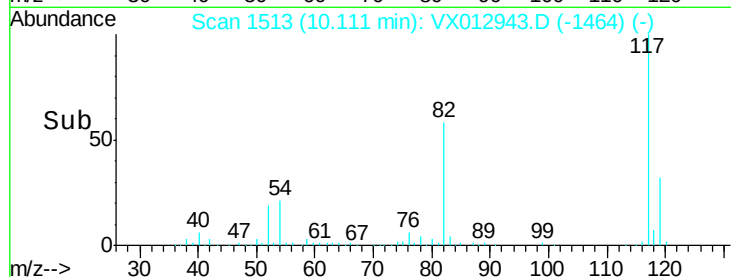
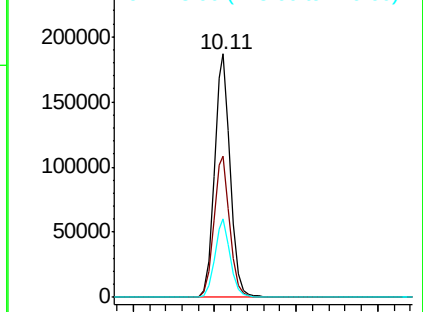
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012943.D
Acq: 09 Oct 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0132

Tot Ion:117 Resp: 254992
Ion Ratio Lower Upper
117 100
82 57.9 44.1 66.1
119 32.2 25.8 38.8

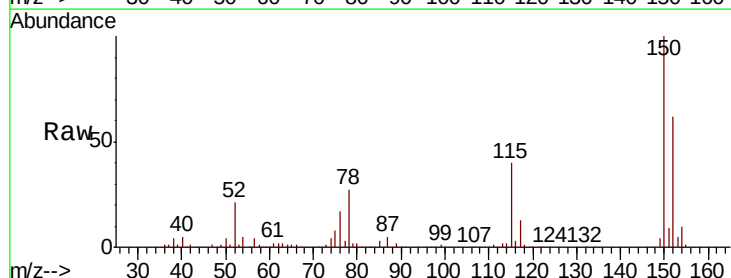


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

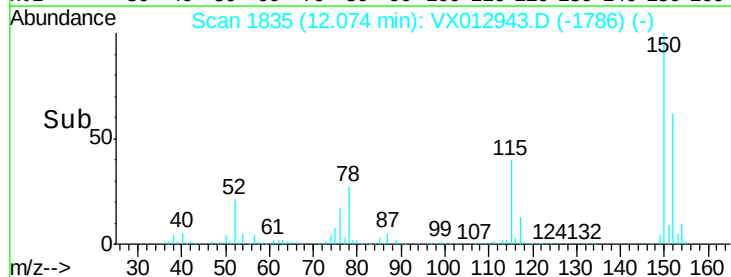
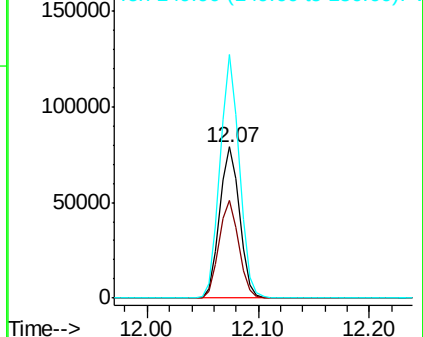


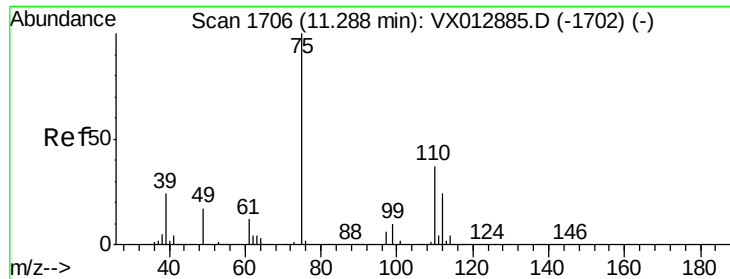
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012943.D
Acq: 09 Oct 2019 15:22

Tgt Ion:152 Resp: 98112
Ion Ratio Lower Upper
152 100
115 64.1 44.5 133.5
150 156.6 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: 27.463 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012943.D

Acq: 09 Oct 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

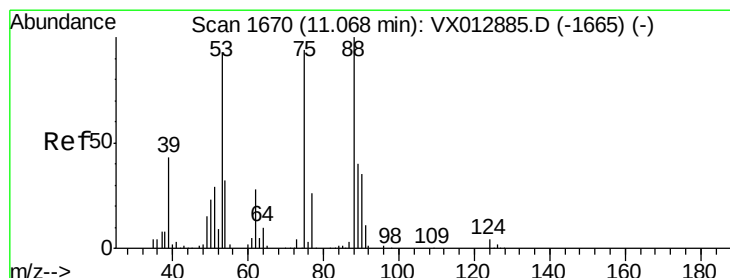
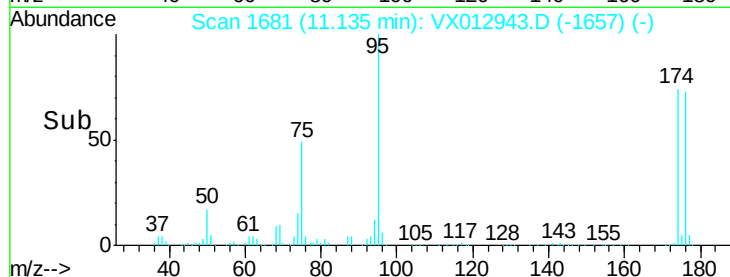
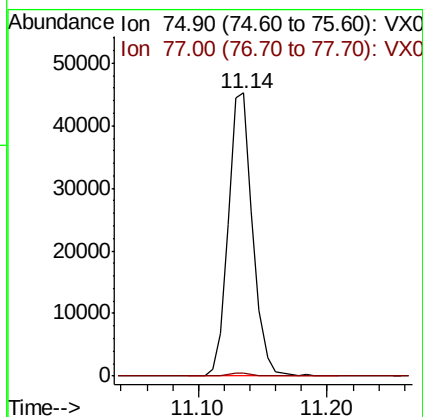
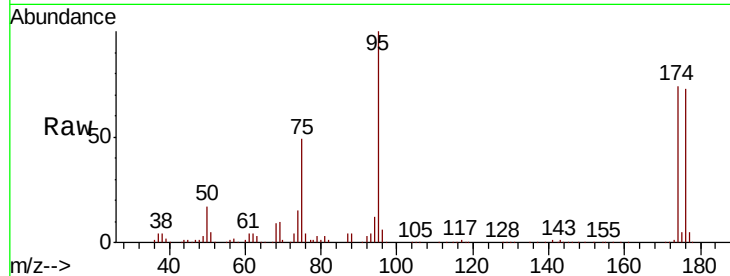
FA19-MMW0132

Tot Ion: 75 Resp: 59762

Ion Ratio Lower Upper

75 100

77 1.3 22.9 68.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.935 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012943.D

Acq: 09 Oct 2019 15:22

Tgt Ion: 75 Resp: 59762

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 37.4 56.2#

