

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012945.D
 Acq On : 09 Oct 2019 16:09
 Operator : JC/SP
 Sample : K5234-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0019-9001

Quant Time: Oct 10 01:37:56 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	175221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	291460	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	241610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	87211	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	114393	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	
35) Dibromofluoromethane	5.49	113	87756	52.46	ug/l	0.00
Spiked Amount			Recovery	=	104.92%	
50) Toluene-d8	8.71	98	338981	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
62) 4-Bromofluorobenzene	11.14	95	110773	43.70	ug/l	0.00
Spiked Amount			Recovery	=	87.40%	

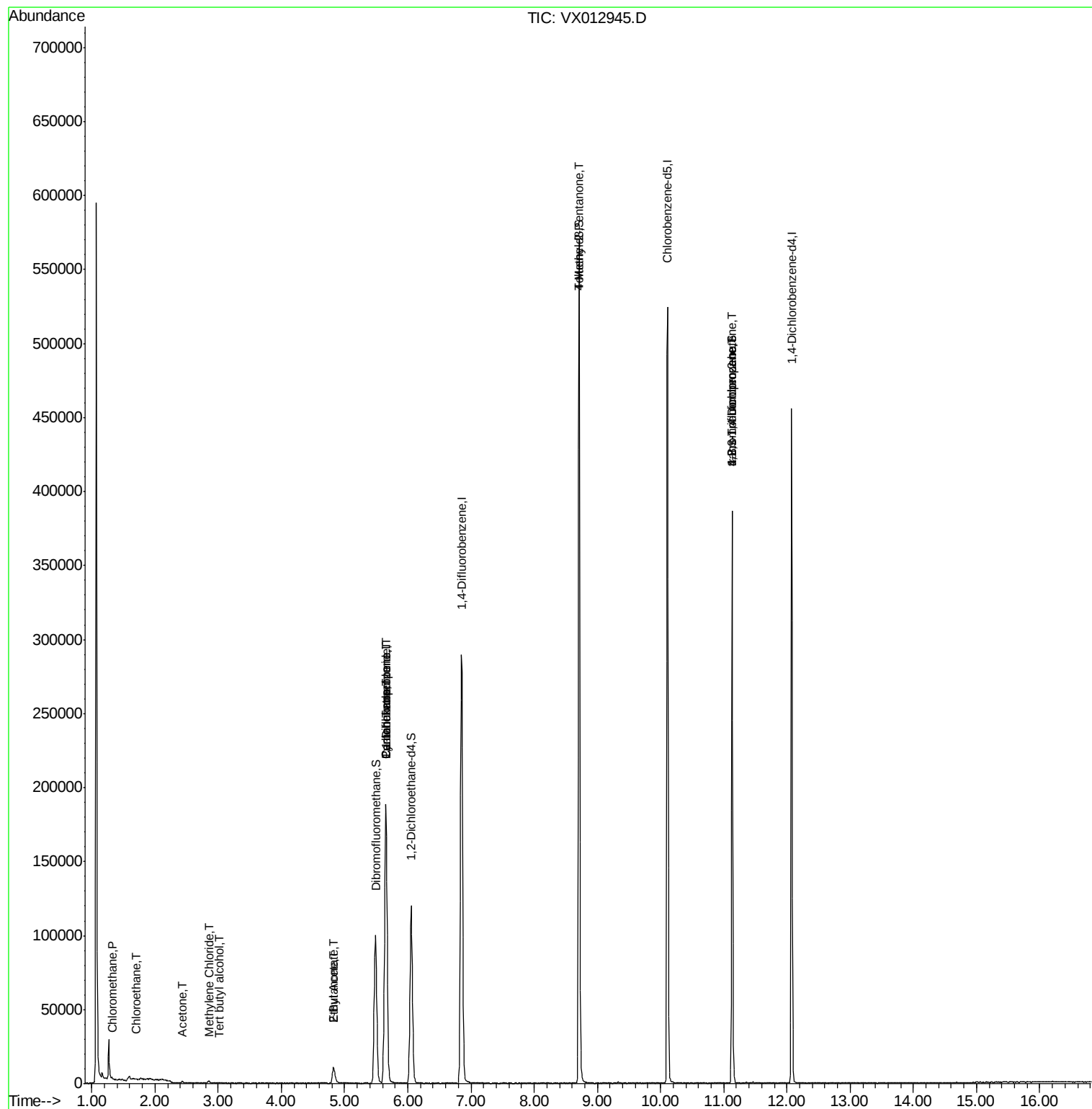
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	471	0.242	ug/l #	67
6) Chloroethane	1.70	64	319	0.626	ug/l #	43
11) Tert butyl alcohol	3.01	59	365	0.629	ug/l #	72
16) Acetone	2.44	43	1347	1.167	ug/l #	88
20) Methylene Chloride	2.84	84	738	0.348	ug/l	88
25) 2-Butanone	4.82	43	19667	12.280	ug/l #	49
31) Cyclohexane	5.65	56	3924	1.234	ug/l #	2
36) 1,1-Dichloropropene	5.65	75	13817	5.392	ug/l #	51
37) Ethyl Acetate	4.82	43	19667	6.864	ug/l	100
38) Carbon Tetrachloride	5.65	117	18381	7.369	ug/l #	16
51) 4-Methyl-2-Pentanone	8.70	43	1387	0.484	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	54554	28.203	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	54554	70.684	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: VX012945.D

Acq: 09 Oct 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

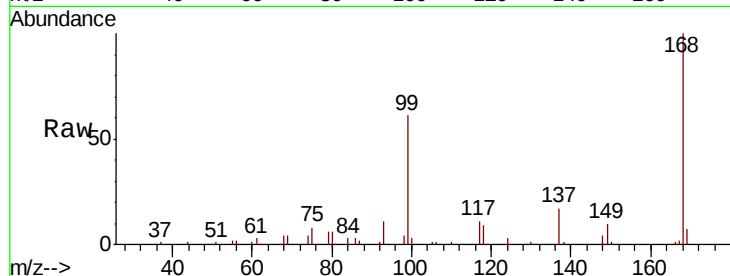
FA19-MMW0019-9001

Tot Ion:168 Resp: 175221

Ion Ratio Lower Upper

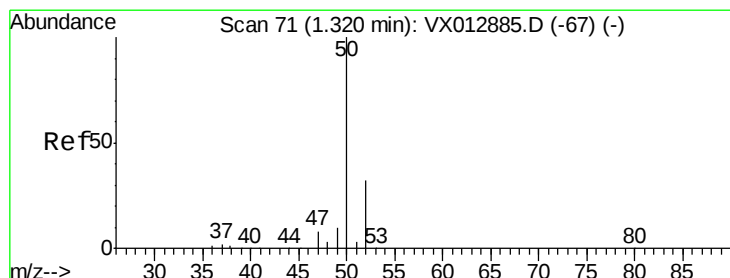
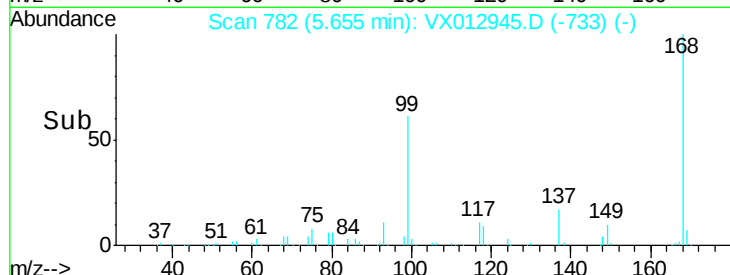
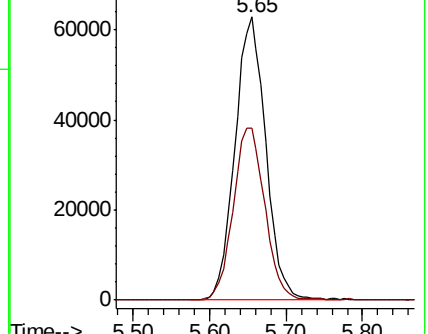
168 100

99 60.7 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.242 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012945.D

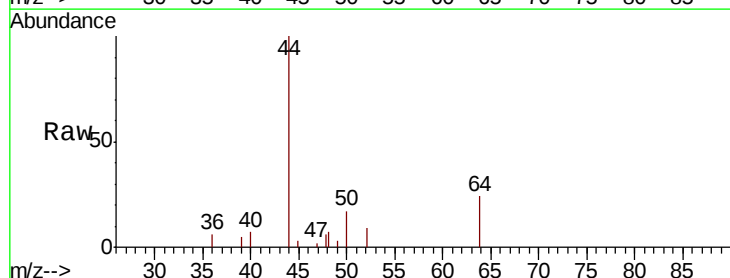
Acq: 09 Oct 2019 16:09

Tgt Ion: 50 Resp: 471

Ion Ratio Lower Upper

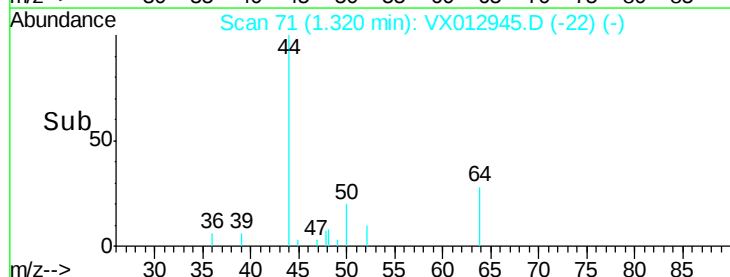
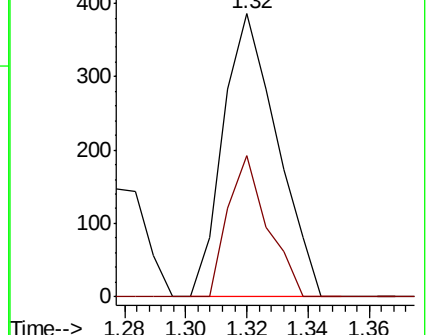
50 100

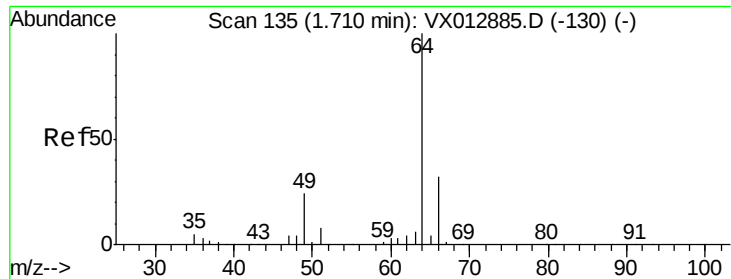
52 50.0 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.626 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012945.D

Acq: 09 Oct 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

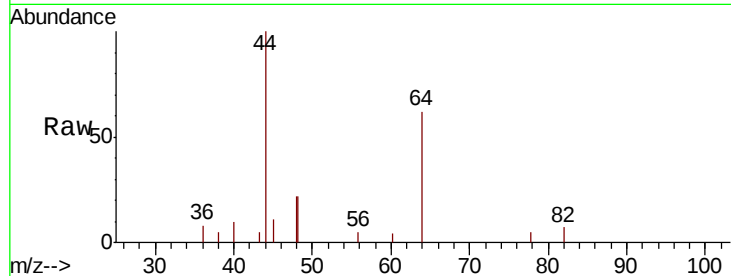
FA19-MMW0019-9001

Tot Ion: 64 Resp: 319

Ion Ratio Lower Upper

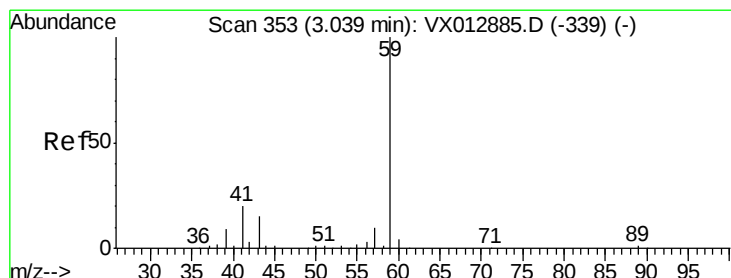
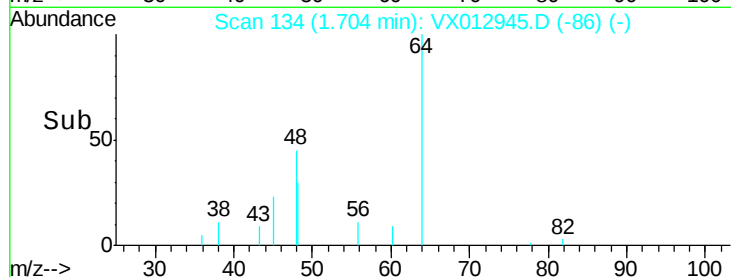
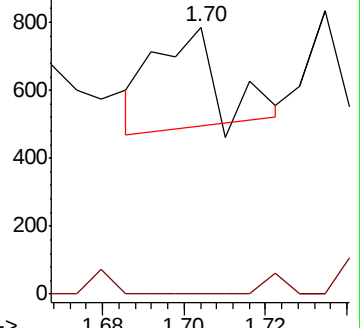
64 100

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



#11

Tert butyl alcohol

Concen: 0.629 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.02 min

Lab File: VX012945.D

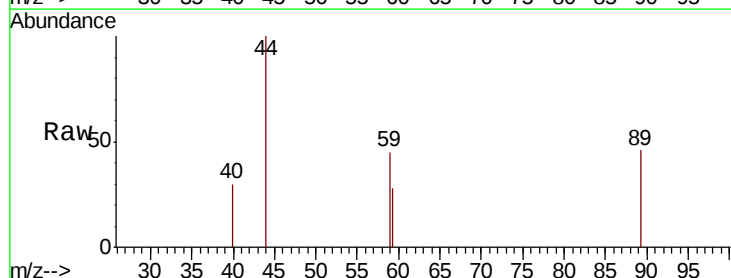
Acq: 09 Oct 2019 16:09

Tgt Ion: 59 Resp: 365

Ion Ratio Lower Upper

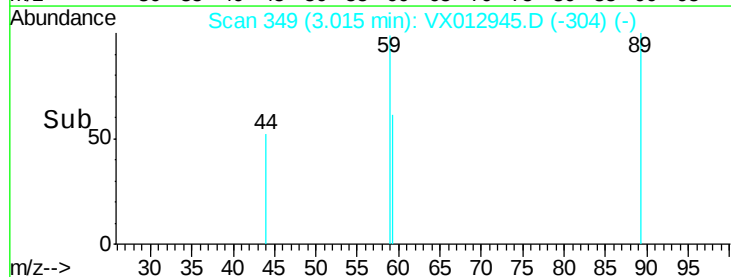
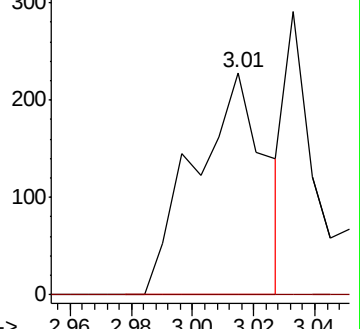
59 100

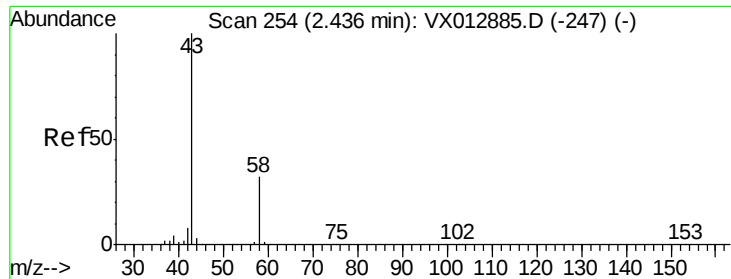
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 1.167 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX012945.D

Acq: 09 Oct 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

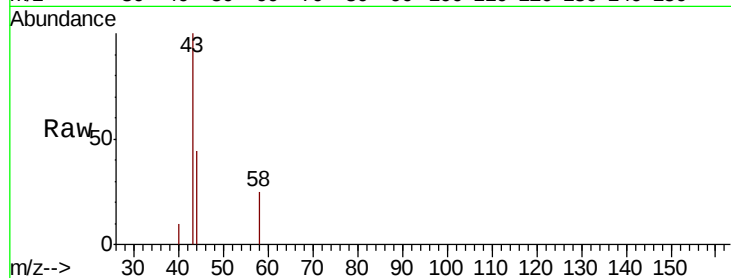
FA19-MMW0019-9001

Tot Ion: 43 Resp: 1347

Ion Ratio Lower Upper

43 100

58 25.2 25.4 38.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

800

600

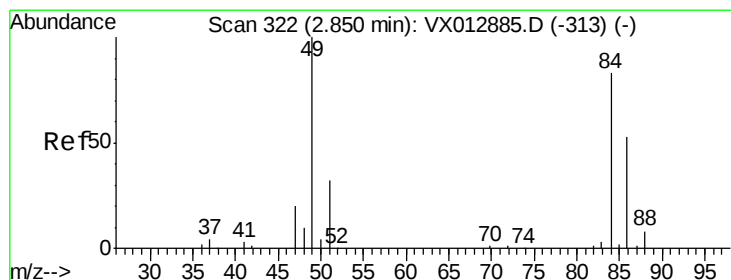
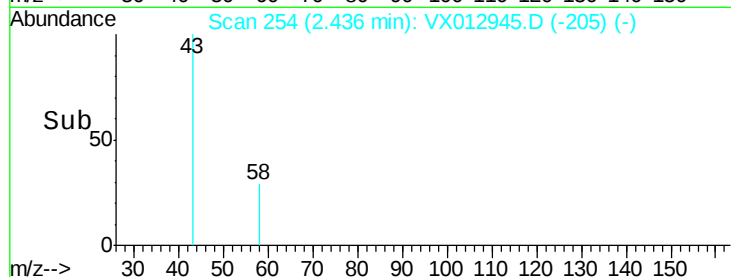
400

200

0

2.40 2.45 2.50

Time-->



#20

Methylene Chloride

Concen: 0.348 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.01 min

Lab File: VX012945.D

Acq: 09 Oct 2019 16:09

Tgt Ion: 84 Resp: 738

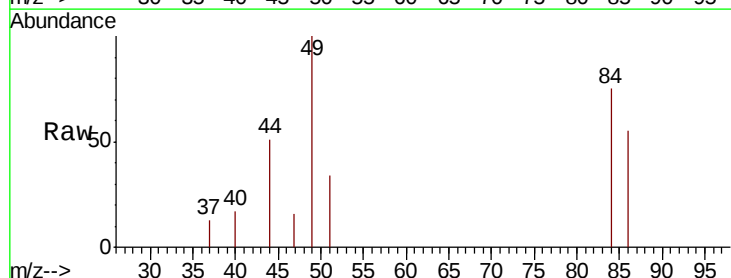
Ion Ratio Lower Upper

84 100

49 133.5 96.6 144.8

51 45.1 30.7 46.1

86 73.8 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

800

600

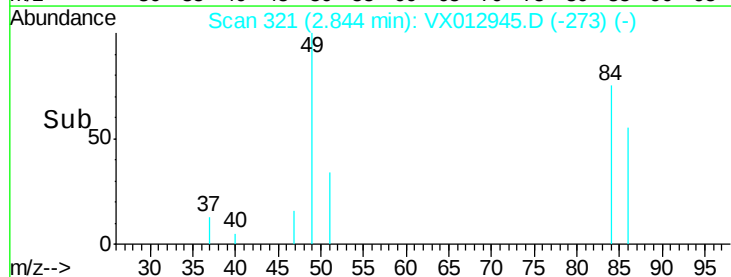
400

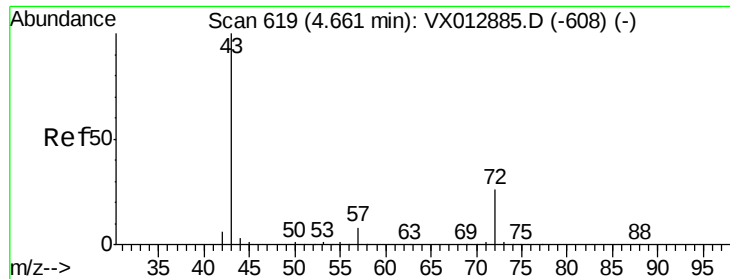
200

0

2.80 2.85 2.90

Time-->





#25

2-Butanone

Concen: 12.280 ug/l

RT: 4.82 min Scan# 645

Delta R.T. 0.16 min

Lab File: VX012945.D

Acq: 09 Oct 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

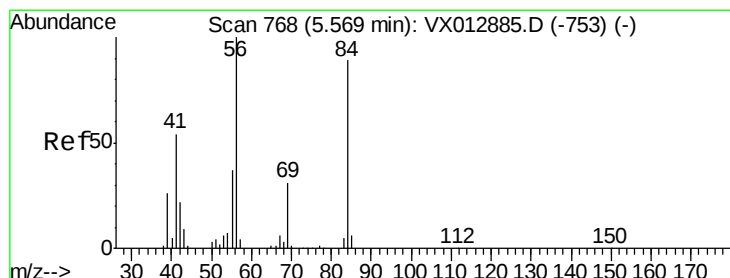
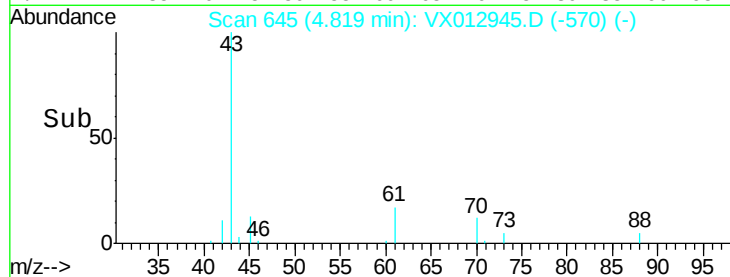
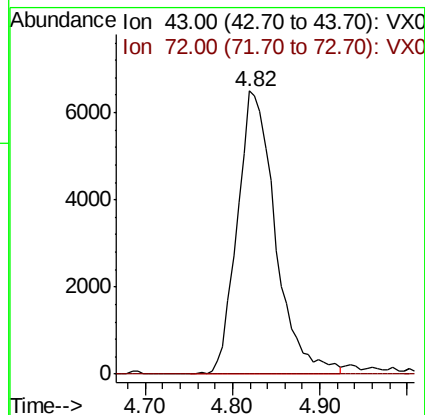
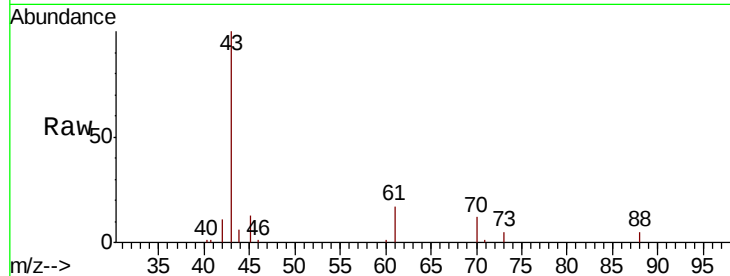
FA19-MMW0019-9001

Tot Ion: 43 Resp: 19667

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.6#



#31

Cyclohexane

Concen: 1.234 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012945.D

Acq: 09 Oct 2019 16:09

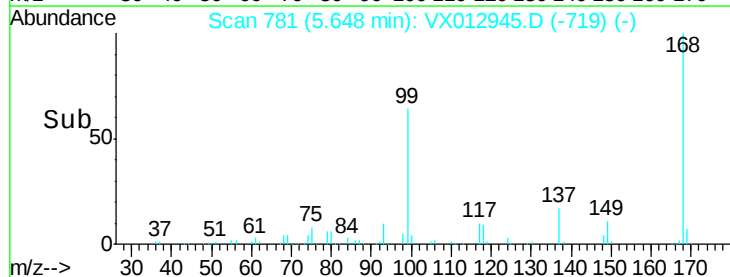
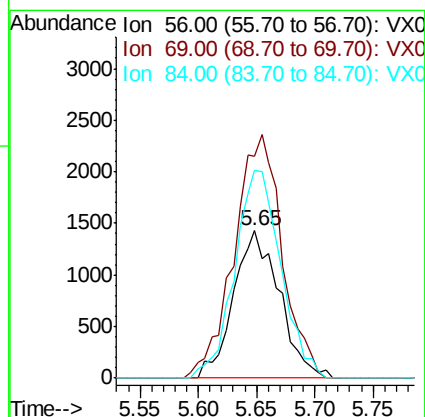
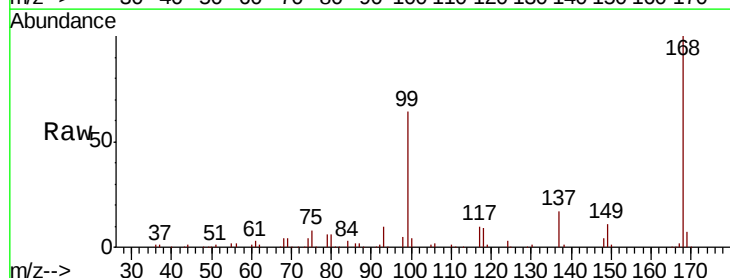
Tgt Ion: 56 Resp: 3924

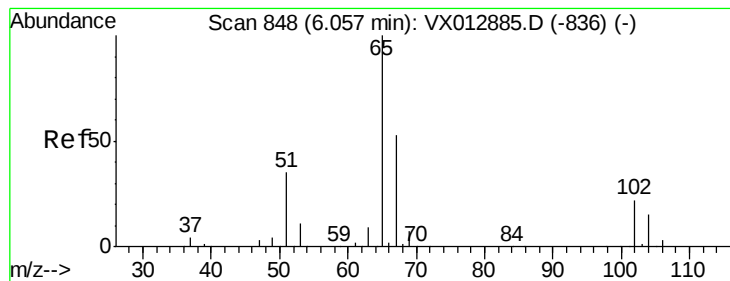
Ion Ratio Lower Upper

56 100

69 151.2 25.2 37.8#

84 141.3 71.3 106.9#





#33

1,2-Dichloroethane-d4

Concen: 52.233 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX012945.D

Acq: 09 Oct 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

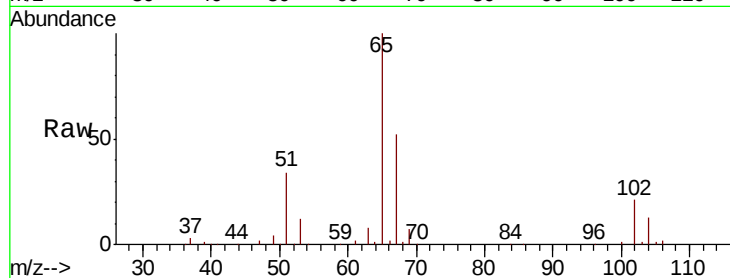
FA19-MMW0019-9001

Tot Ion: 65 Resp: 114393

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

50000

40000

30000

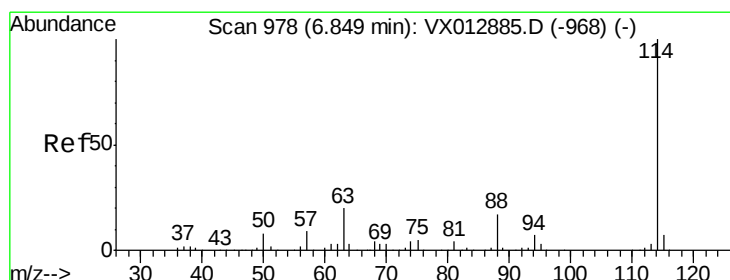
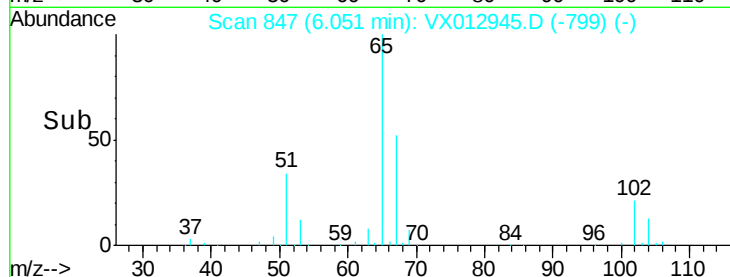
20000

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: VX012945.D

Acq: 09 Oct 2019 16:09

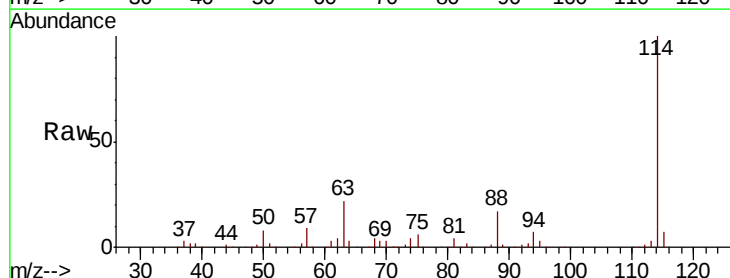
Tgt Ion: 114 Resp: 291460

Ion Ratio Lower Upper

114 100

63 22.1 0.0 40.8

88 17.3 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

6.85

150000

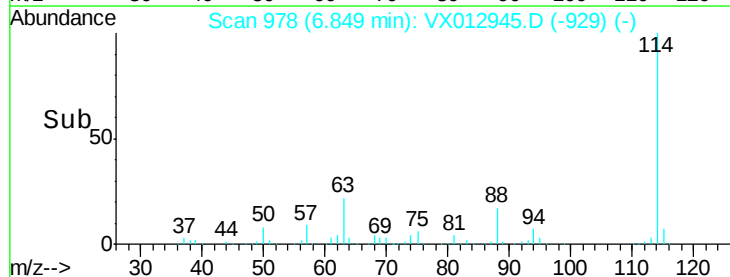
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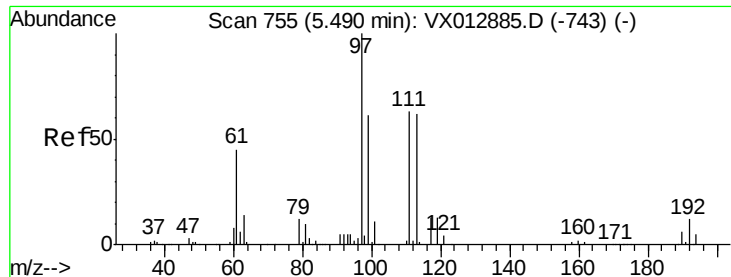
50000

0

Time-->

6.70 6.80 6.90 7.00

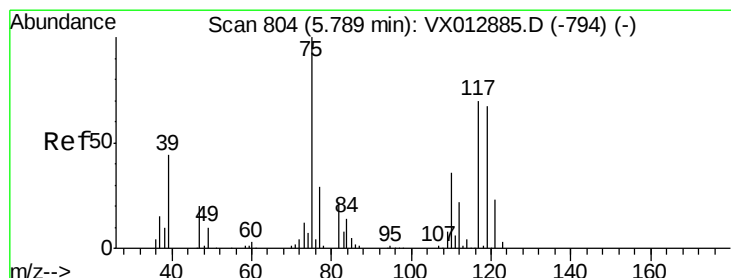
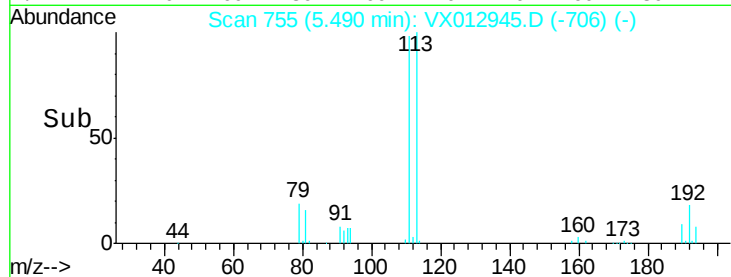
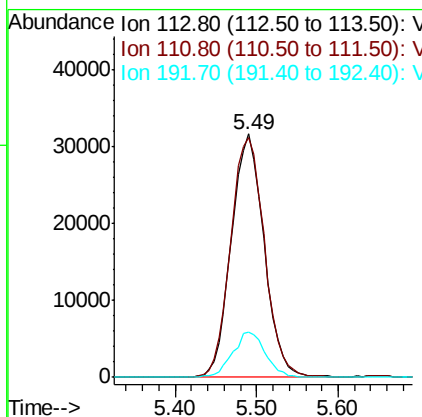
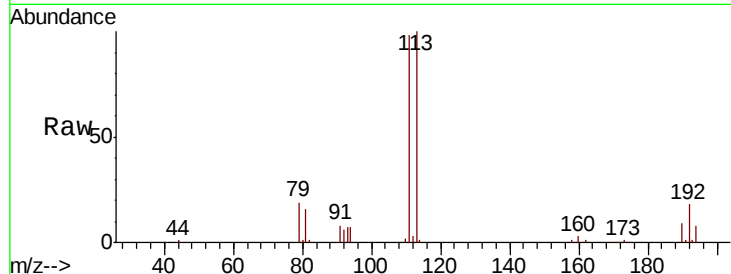




#35
 Dibromofluoromethane
 Concen: 52.460 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX012945.D
 Acq: 09 Oct 2019 16:09

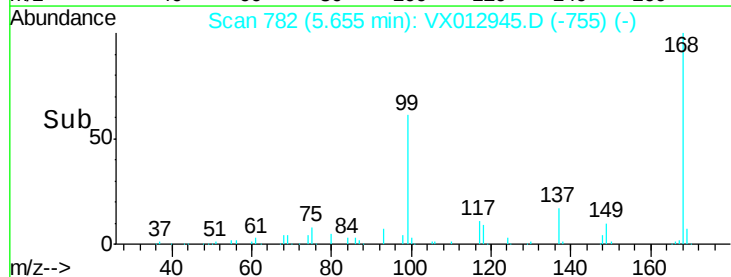
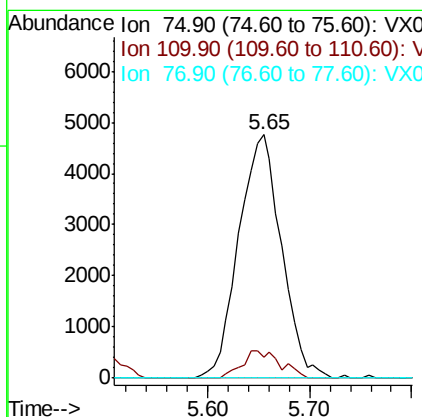
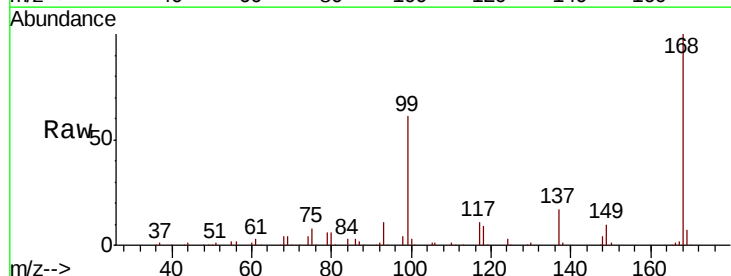
Instrument :
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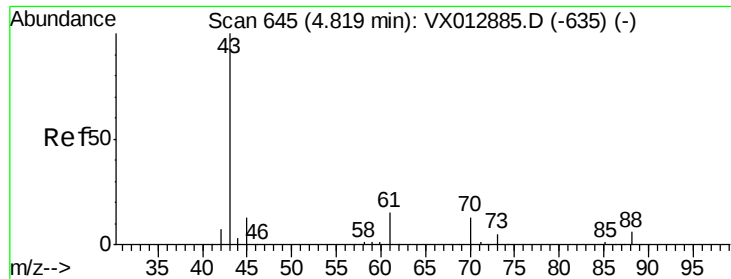
Tot Ion:113 Resp: 87756
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.2 124.8
 192 18.7 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.392 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012945.D
 Acq: 09 Oct 2019 16:09

Tgt Ion: 75 Resp: 13817
 Ion Ratio Lower Upper
 75 100
 110 9.9 17.6 52.9#
 77 0.0 24.4 36.6#

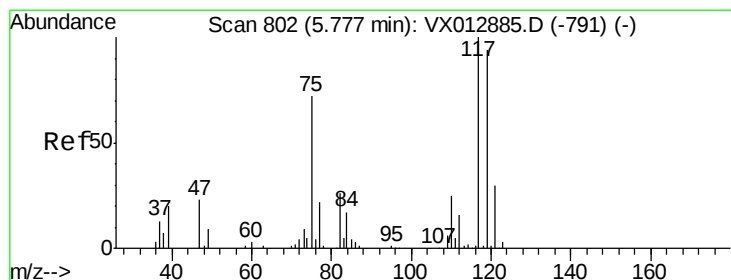
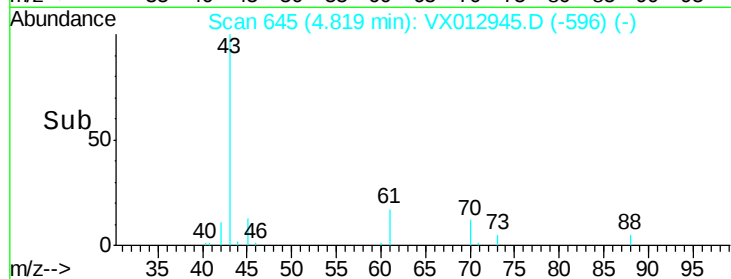
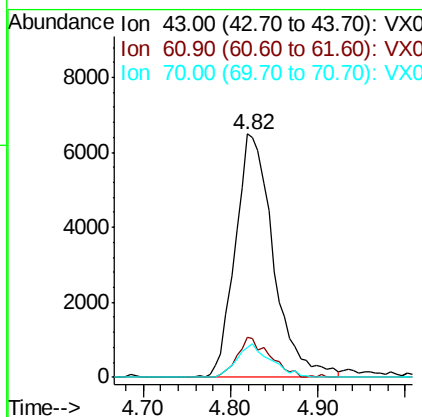
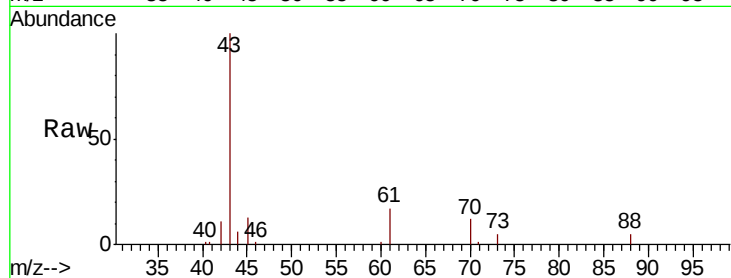




#37
Ethyl Acetate
Concen: 6.864 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX012945.D
Acq: 09 Oct 2019 16:09

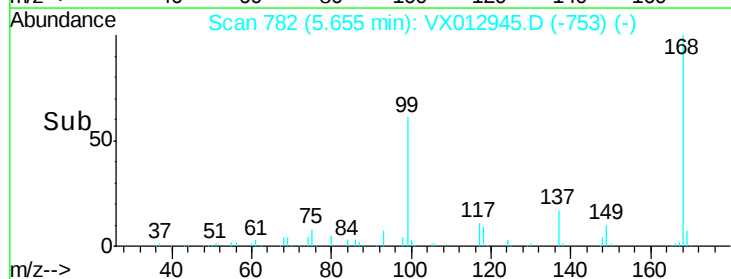
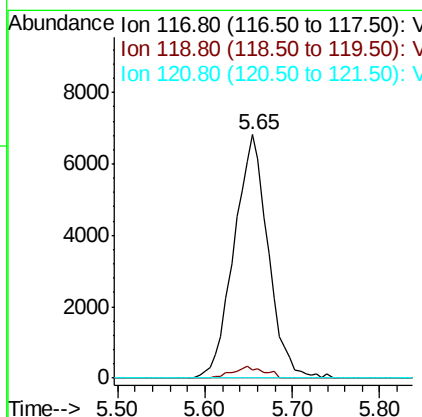
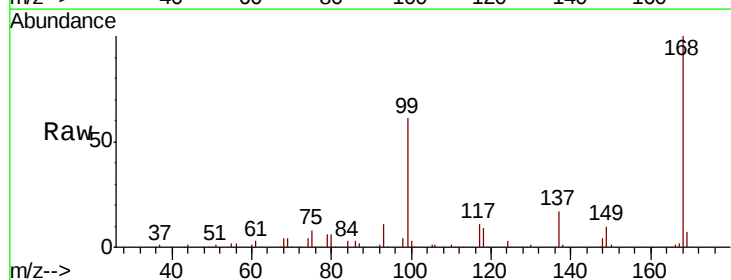
Instrument :
MSVOA_X
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FA19-MMW0019-9001

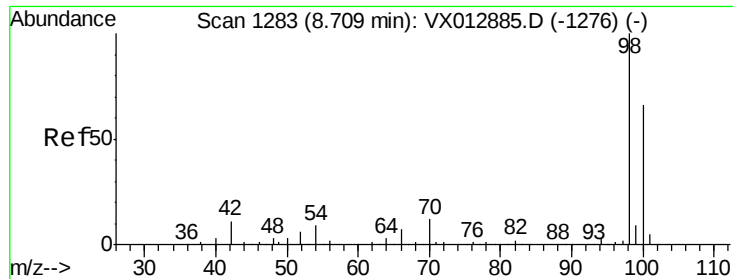
Tot Ion: 43 Resp: 19667
Ion Ratio Lower Upper
43 100
61 14.1 11.4 17.0
70 12.2 9.8 14.6



#38
Carbon Tetrachloride
Concen: 7.369 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012945.D
Acq: 09 Oct 2019 16:09

Tgt Ion: 117 Resp: 18381
Ion Ratio Lower Upper
117 100
119 3.4 74.5 111.7#
121 0.0 24.2 36.4#

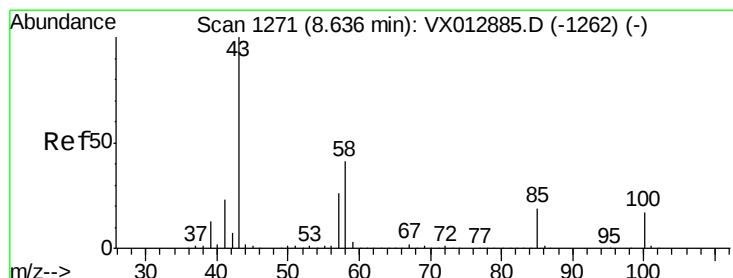
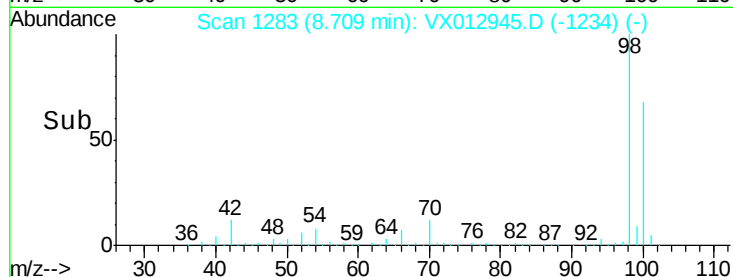
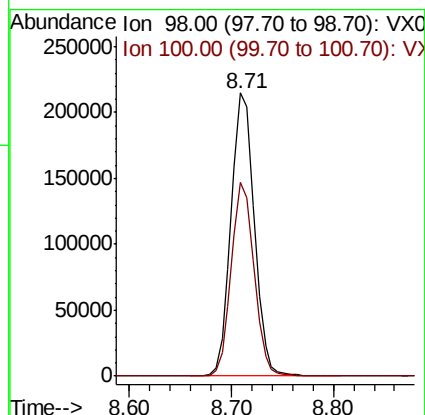
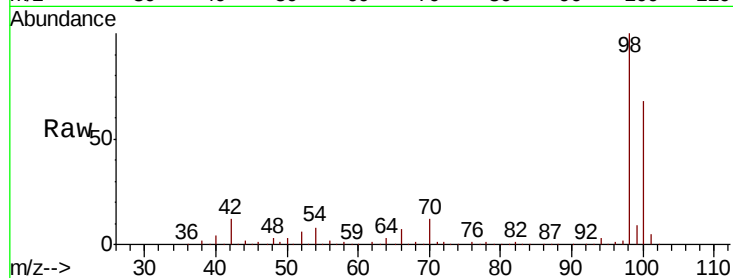




#50
Toluene-d8
Concen: 51.956 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012945.D
Acq: 09 Oct 2019 16:09

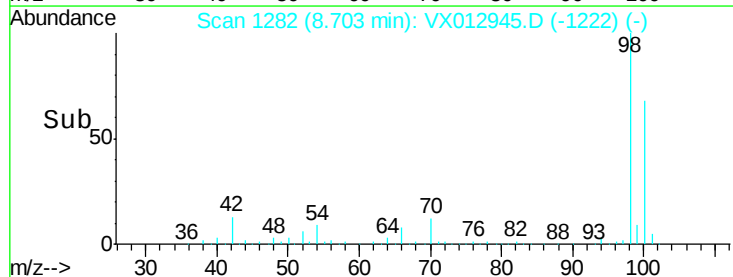
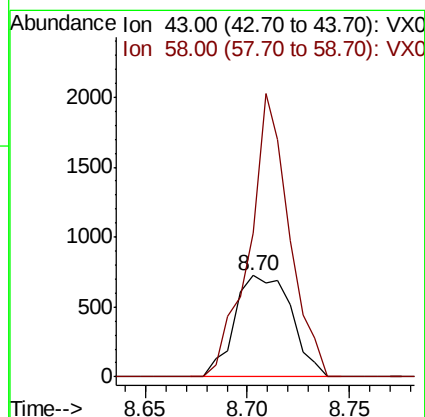
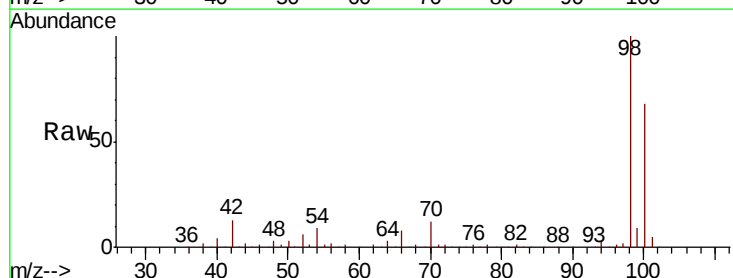
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0019-9001

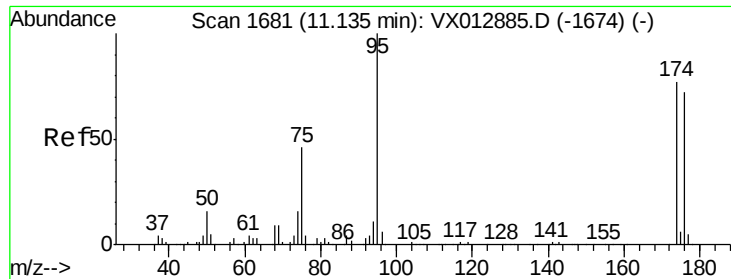
Tot Ion: 98 Resp: 338981
Ion Ratio Lower Upper
98 100
100 67.1 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.484 ug/l
RT: 8.70 min Scan# 1282
Delta R.T. 0.07 min
Lab File: VX012945.D
Acq: 09 Oct 2019 16:09

Tgt Ion: 43 Resp: 1387
Ion Ratio Lower Upper
43 100
58 198.8 32.4 48.6#





#62

4-Bromofluorobenzene

Concen: 43.695 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012945.D

Acq: 09 Oct 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0019-9001

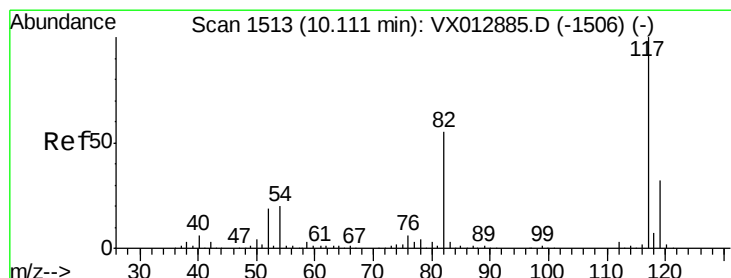
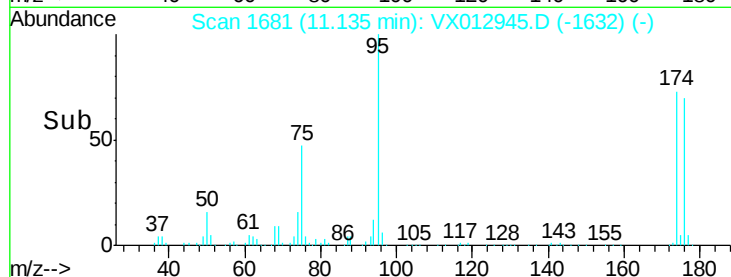
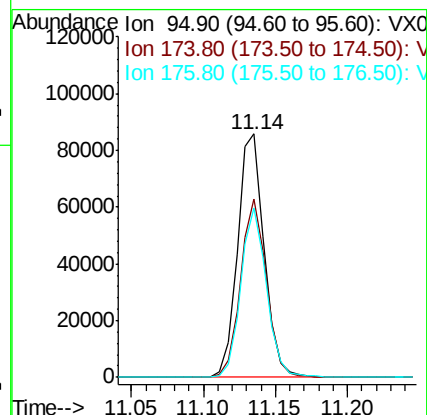
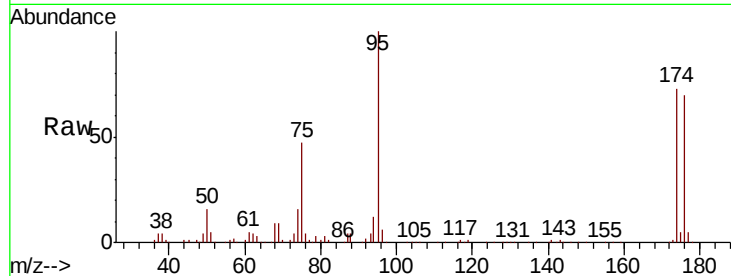
Tot Ion: 95 Resp: 110773

Ion Ratio Lower Upper

95 100

174 71.0 0.0 143.4

176 67.0 0.0 136.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012945.D

Acq: 09 Oct 2019 16:09

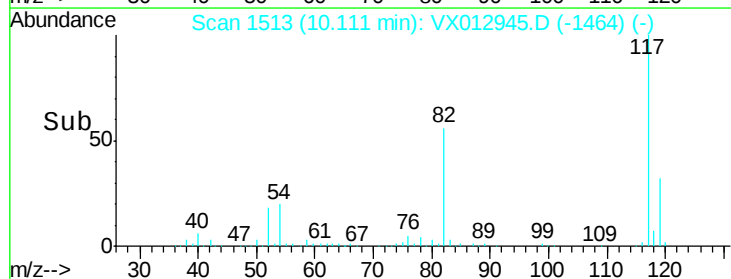
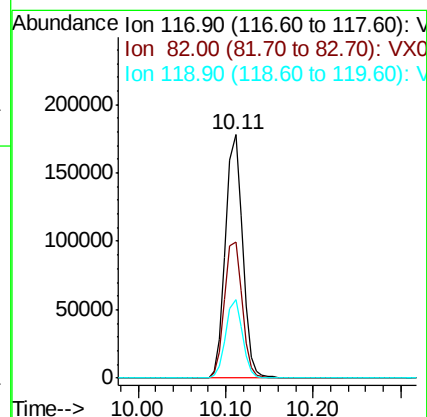
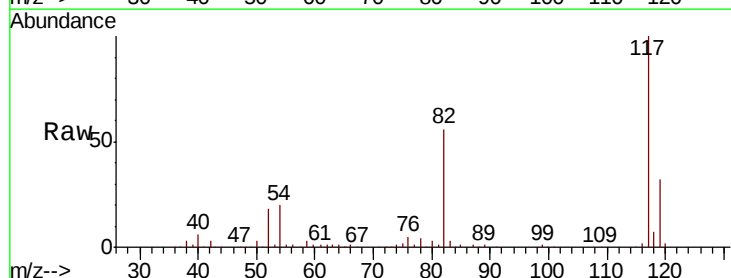
Tgt Ion: 117 Resp: 241610

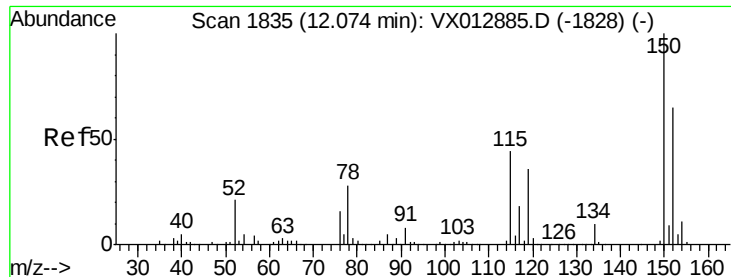
Ion Ratio Lower Upper

117 100

82 55.8 44.1 66.1

119 32.4 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012945.D

Acq: 09 Oct 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0019-9001

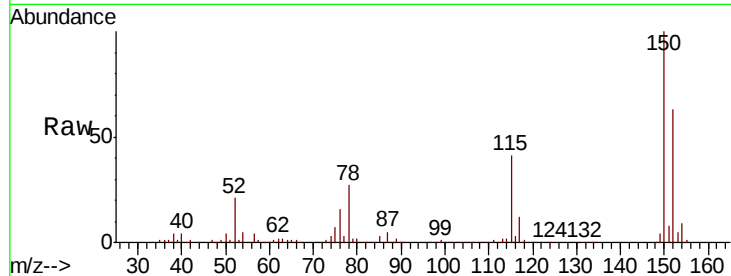
Tot Ion:152 Resp: 87211

Ion Ratio Lower Upper

152 100

115 64.9 44.5 133.5

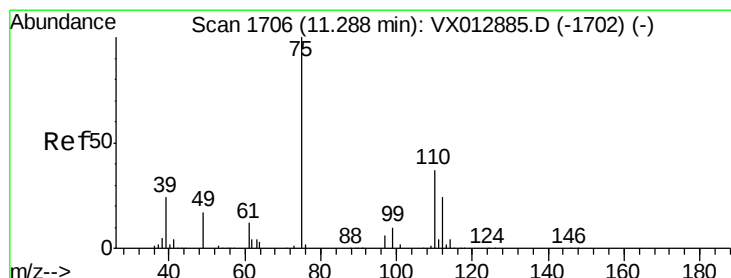
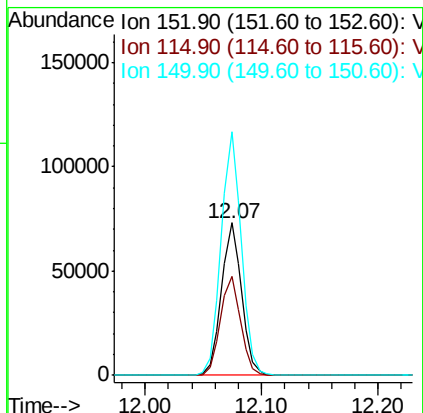
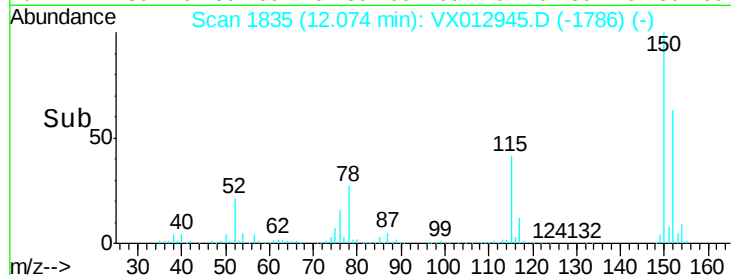
150 159.3 0.0 353.4



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: 28.203 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012945.D

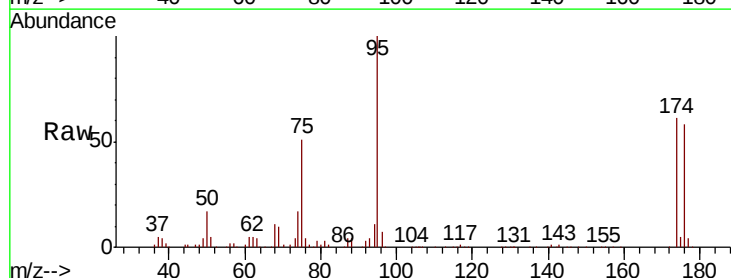
Acq: 09 Oct 2019 16:09

Tgt Ion: 75 Resp: 54554

Ion Ratio Lower Upper

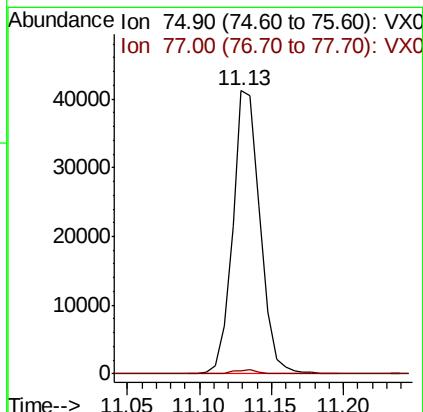
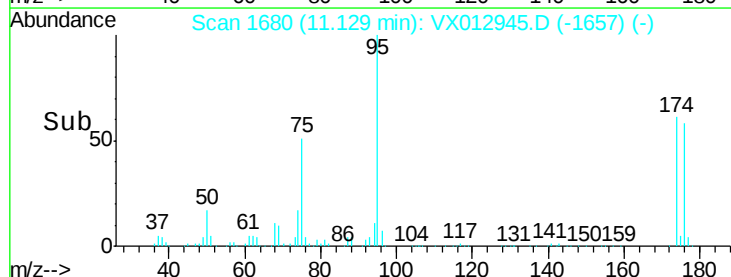
75 100

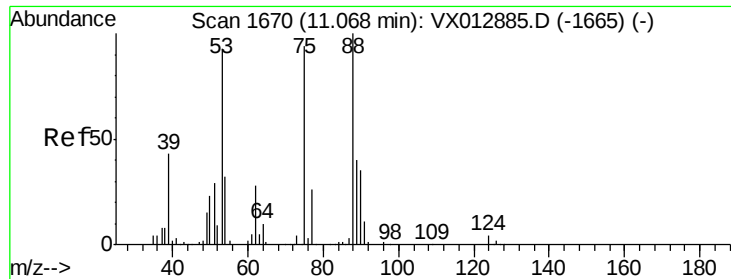
77 1.3 22.9 68.8#



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: 70.684 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012945.D

Acq: 09 Oct 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0019-9001

Tot Ion: 75 Resp: 54554

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

