

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101819\
 Data File : VX013142.D
 Acq On : 18 Oct 2019 21:01
 Operator : JC/SP
 Sample : K5451-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JPZ0348

Quant Time: Oct 19 00:00:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 07:26:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	164567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	265549	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	225800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	90961	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	99729	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
35) Dibromofluoromethane	5.48	113	79675	52.28	ug/l	0.00
Spiked Amount			Recovery	=	104.56%	
50) Toluene-d8	8.71	98	302604	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
62) 4-Bromofluorobenzene	11.14	95	104343	45.18	ug/l	0.00
Spiked Amount			Recovery	=	90.36%	

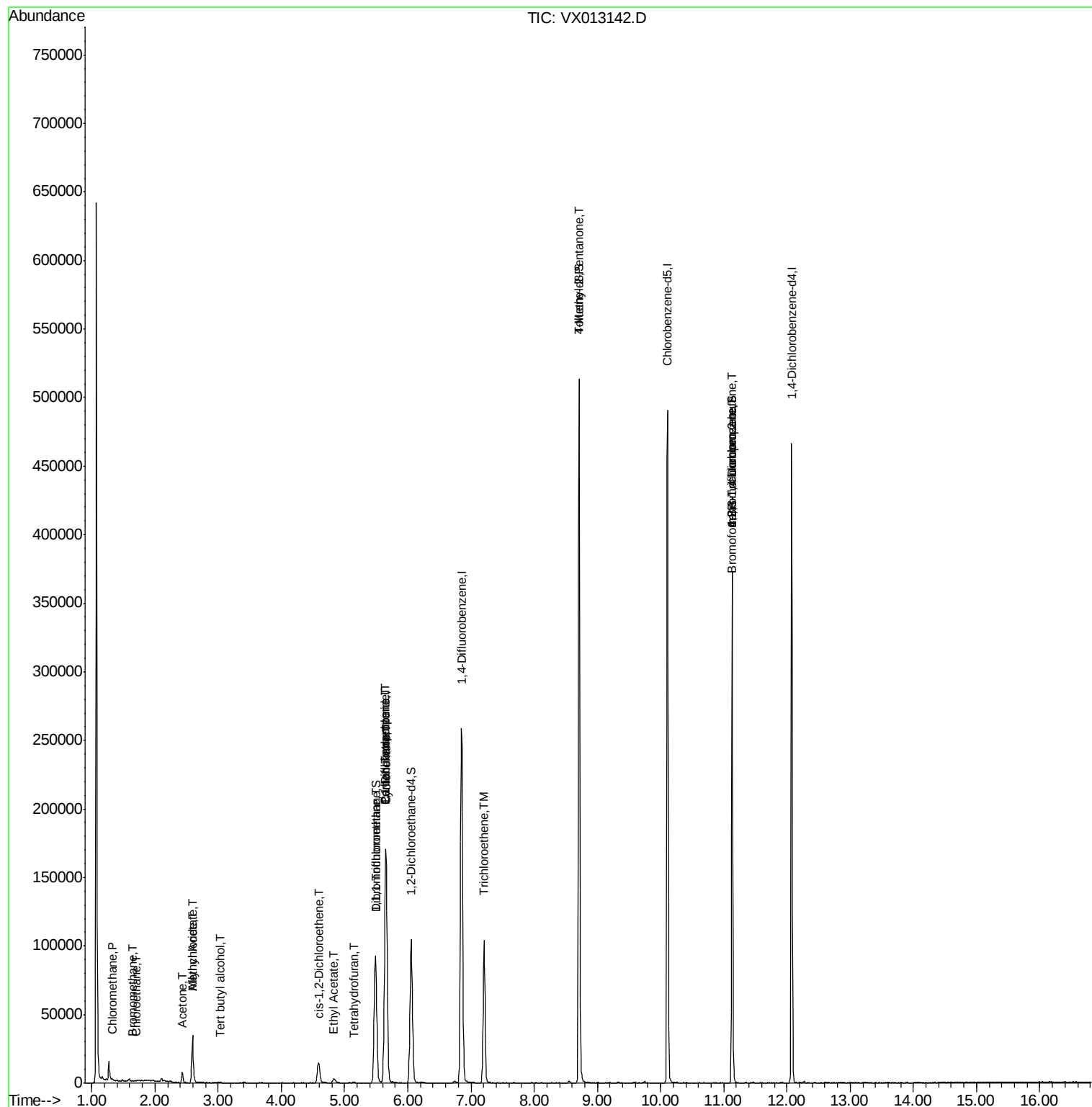
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	664	0.364	ug/l #	72
5) Bromomethane	1.65	94	181	0.231	ug/l #	3
6) Chloroethane	1.70	64	183	0.525	ug/l #	43
11) Tert butyl alcohol	3.03	59	1059	1.942	ug/l #	78
14) Allyl chloride	2.59	41	3508	1.184	ug/l #	69
16) Acetone	2.43	43	7693	7.096	ug/l	93
18) Methyl Acetate	2.59	43	9753	3.795	ug/l #	51
27) cis-1,2-Dichloroethene	4.59	96	9566	4.656	ug/l	89
29) Tetrahydrofuran	5.14	42	363	0.392	ug/l #	47
31) Cyclohexane	5.66	56	3125	1.047	ug/l #	1
32) 1,1,1-Trichloroethane	5.48	97	2652	0.955	ug/l #	40
36) 1,1-Dichloropropene	5.65	75	12889	5.521	ug/l #	51
37) Ethyl Acetate	4.83	43	5587	2.140	ug/l #	95
38) Carbon Tetrachloride	5.65	117	17116	7.532	ug/l #	17
44) Trichloroethene	7.21	130	40976	21.429	ug/l	97
51) 4-Methyl-2-Pentanone	8.71	43	1267	0.485	ug/l #	1
71) Bromoform	11.12	173	236	3.300	ug/l #	29
76) 1,2,3-Trichloropropane	11.14	75	52546	26.045	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	52546	65.588	ug/l #	10

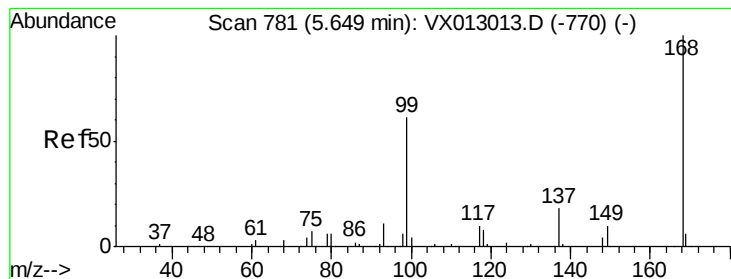
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 16 07:26:22 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX013142.D

Acq: 18 Oct 2019 21:01

Instrument :

MSVOA_X

ClientSampleId :

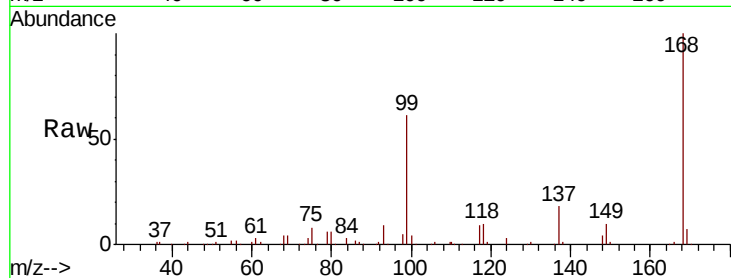
FA19-JPZ0348

Tot Ion:168 Resp: 164567

Ion Ratio Lower Upper

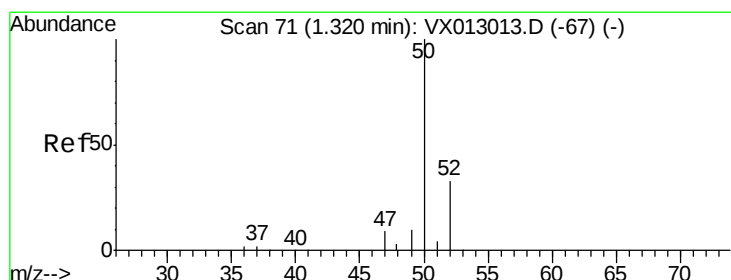
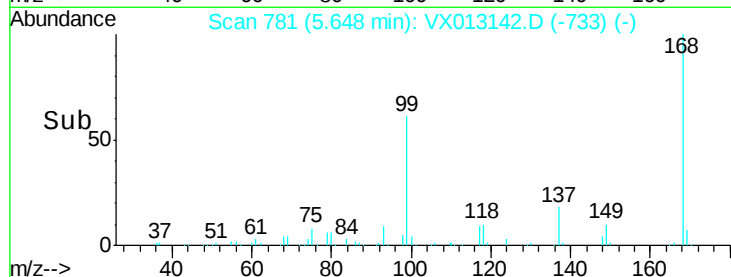
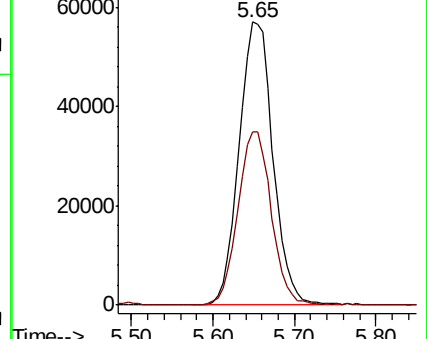
168 100

99 61.0 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: 0.364 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013142.D

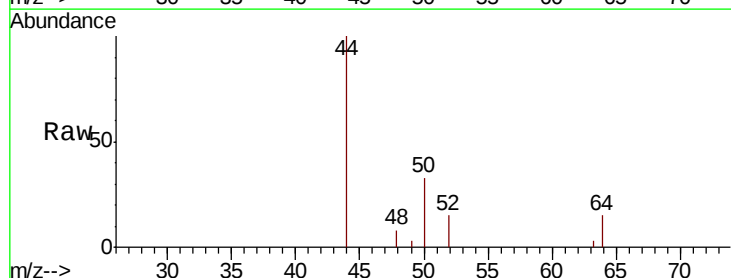
Acq: 18 Oct 2019 21:01

Tgt Ion: 50 Resp: 664

Ion Ratio Lower Upper

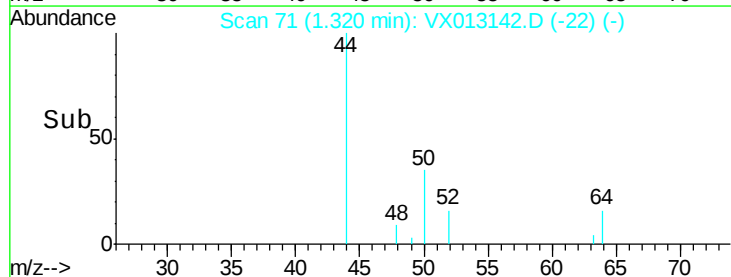
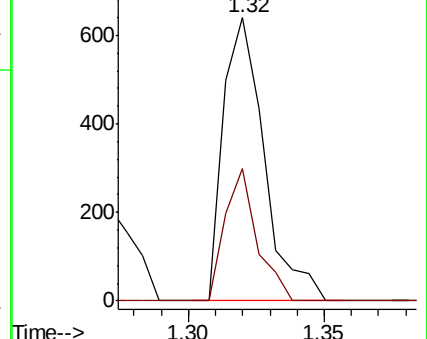
50 100

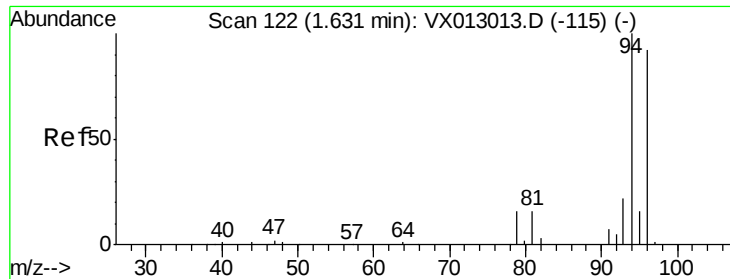
52 46.9 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.231 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX013142.D

Acq: 18 Oct 2019 21:01

Instrument :

MSVOA_X

ClientSampled :

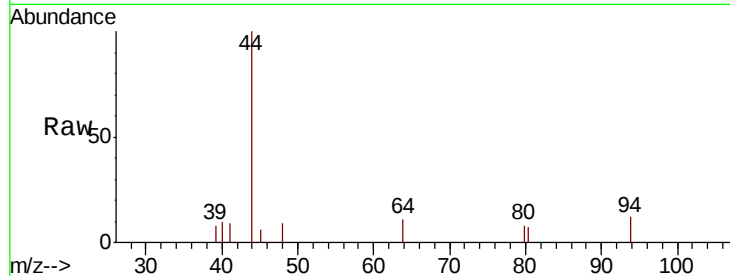
FA19-JPZ0348

Tot Ion: 94 Resp: 181

Ion Ratio Lower Upper

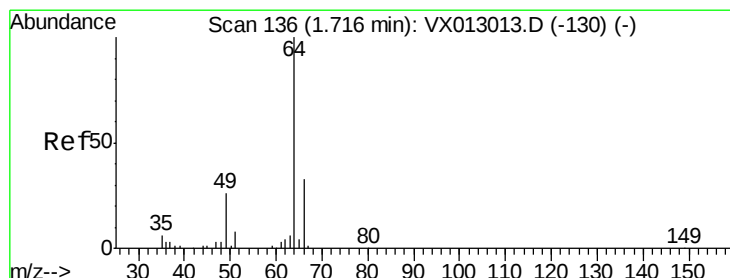
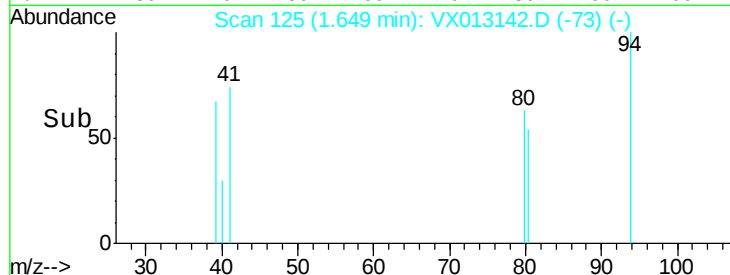
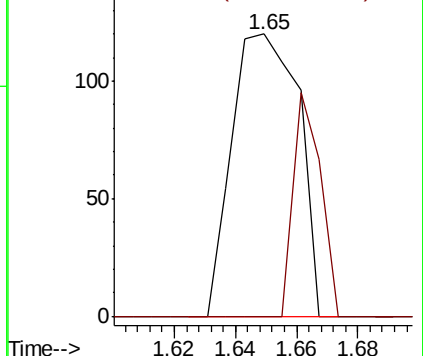
94 100

96 0.0 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: 0.525 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX013142.D

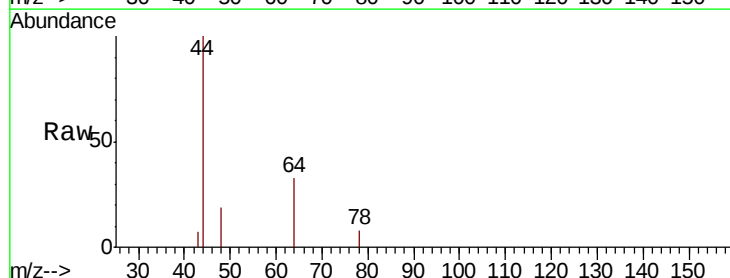
Acq: 18 Oct 2019 21:01

Tgt Ion: 64 Resp: 183

Ion Ratio Lower Upper

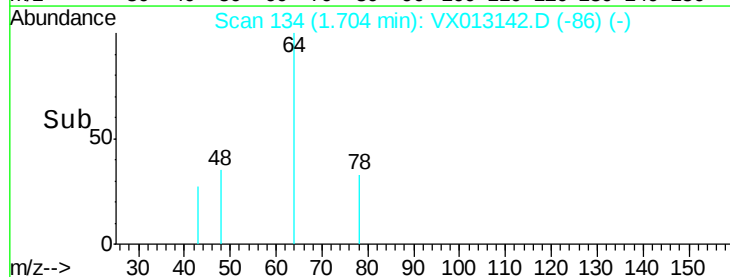
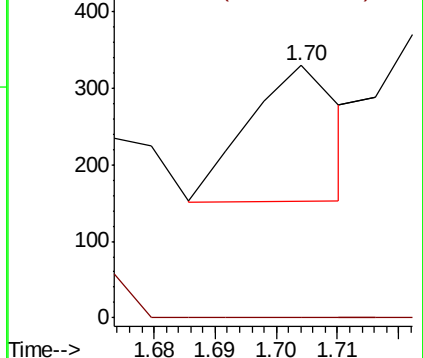
64 100

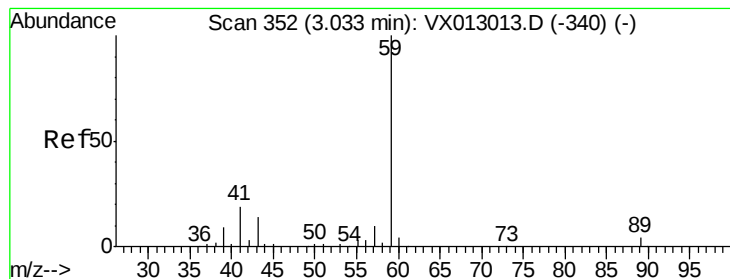
66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



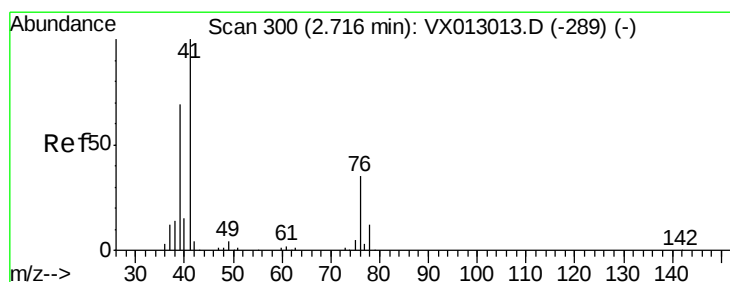
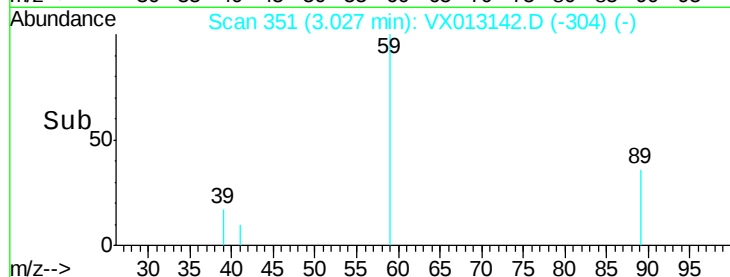
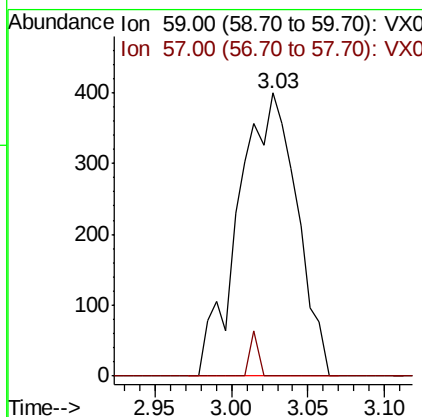
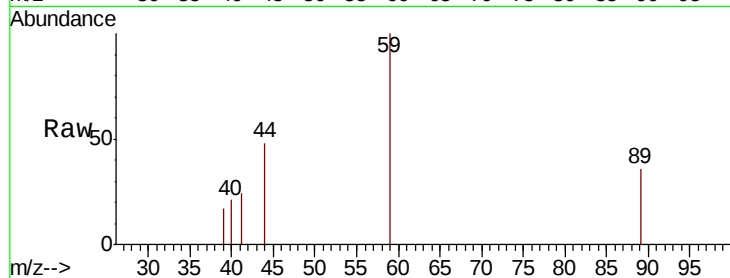


#11

Tert butyl alcohol
 Concen: 1.942 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX013142.D
 Acq: 18 Oct 2019 21:01

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JPZ0348

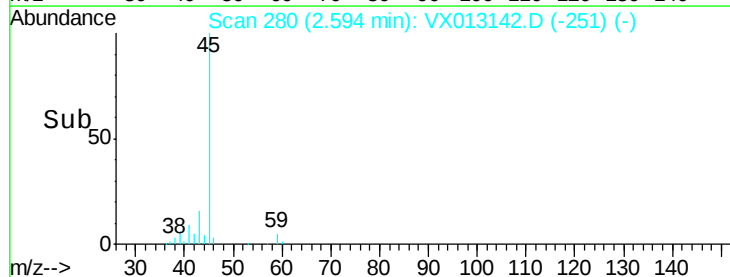
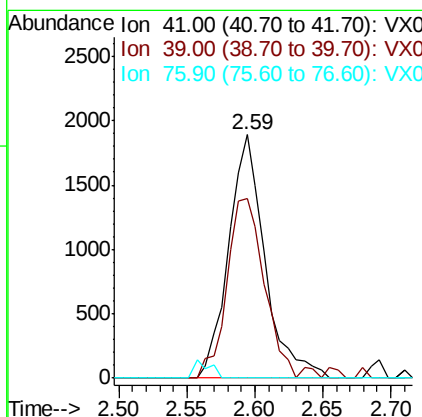
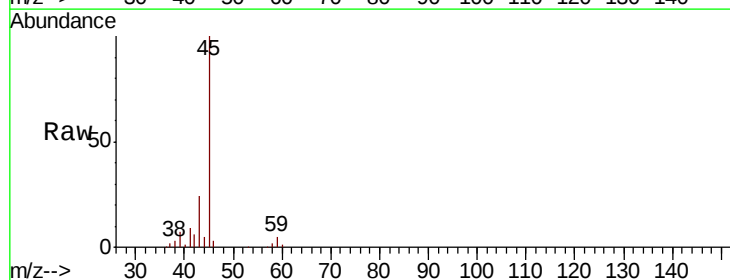
Tot Ion: 59 Resp: 1059
 Ion Ratio Lower Upper
 59 100
 57 2.2 8.3 12.5#

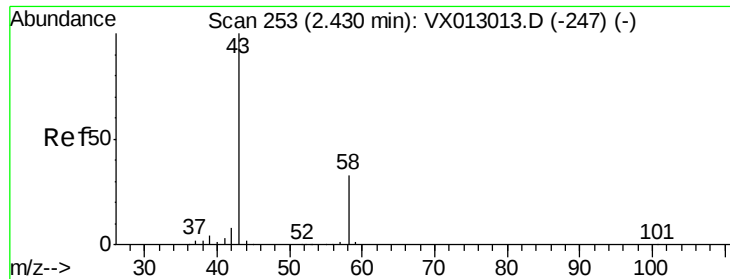


#14

Allyl chloride
 Concen: 1.184 ug/l
 RT: 2.59 min Scan# 280
 Delta R.T. -0.12 min
 Lab File: VX013142.D
 Acq: 18 Oct 2019 21:01

Tgt Ion: 41 Resp: 3508
 Ion Ratio Lower Upper
 41 100
 39 77.5 51.0 76.6#
 76 0.0 26.2 39.4#





#16

Acetone

Concen: 7.096 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013142.D

Acq: 18 Oct 2019 21:01

Instrument :

MSVOA_X

ClientSampleId :

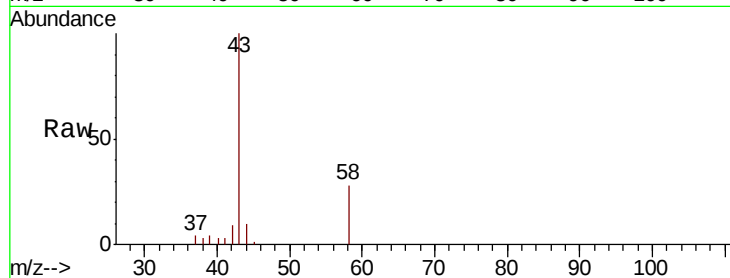
FA19-JPZ0348

Tot Ion: 43 Resp: 7693

Ion Ratio Lower Upper

43 100

58 27.9 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

5000

4000

3000

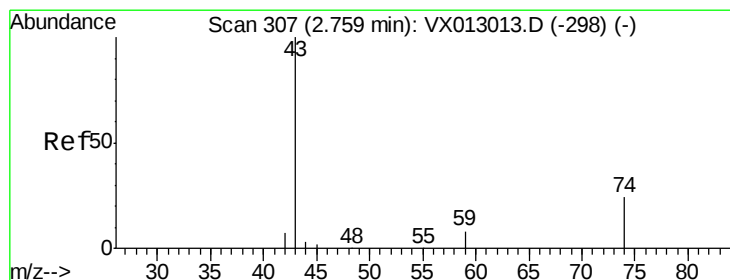
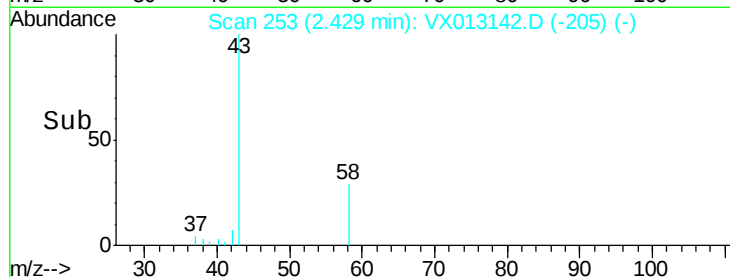
2000

1000

0

Time-->

2.35 2.40 2.45 2.50



#18

Methyl Acetate

Concen: 3.795 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX013142.D

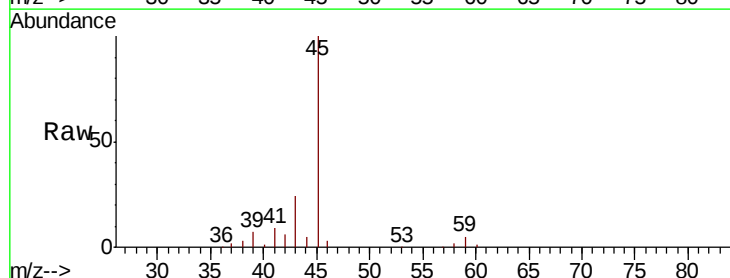
Acq: 18 Oct 2019 21:01

Tgt Ion: 43 Resp: 9753

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.59

6000

5000

4000

3000

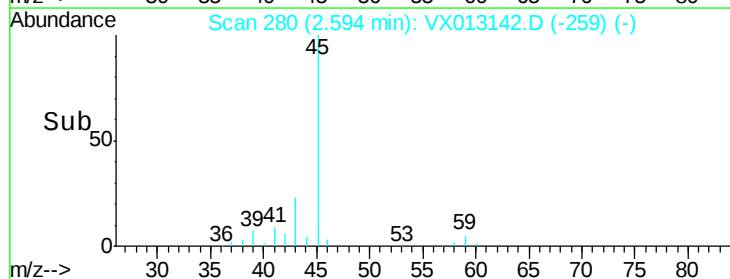
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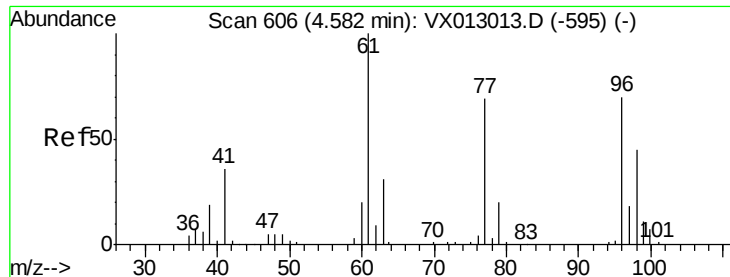
1000

0

Time-->

2.50 2.60 2.70



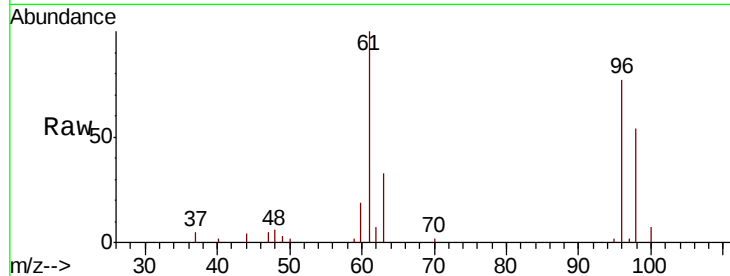


#27

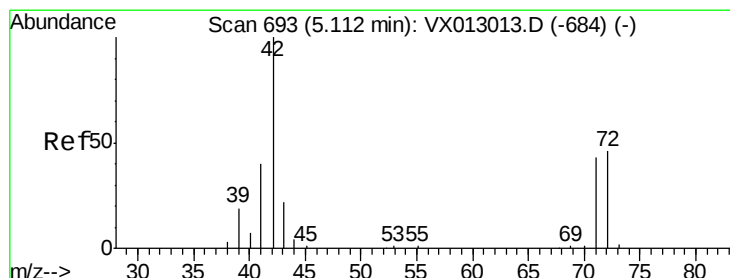
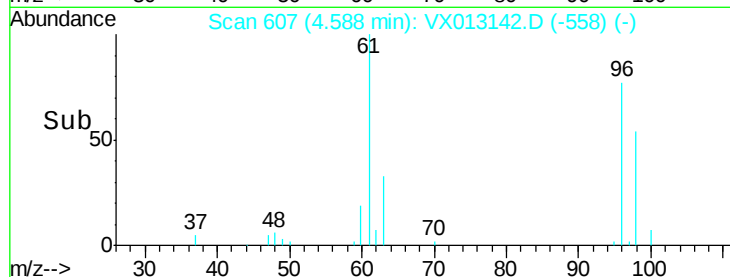
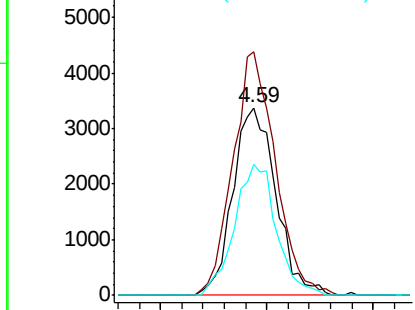
cis-1,2-Dichloroethene
Concen: 4.656 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX013142.D
Acq: 18 Oct 2019 21:01

Instrument :
MSVOA_X
ClientSampleId :
FA19-JPZ0348

Tot Ion: 96 Resp: 9566
Ion Ratio Lower Upper
96 100
61 128.3 0.0 290.6
98 68.1 0.0 128.8



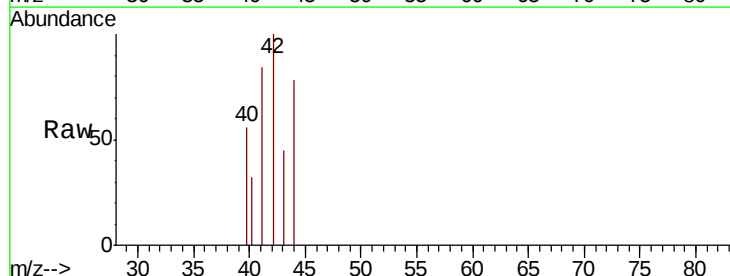
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



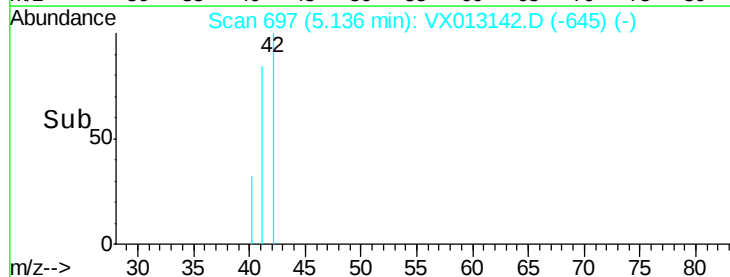
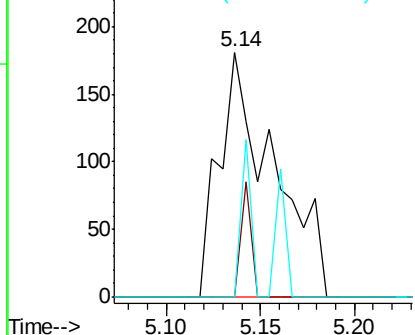
#29

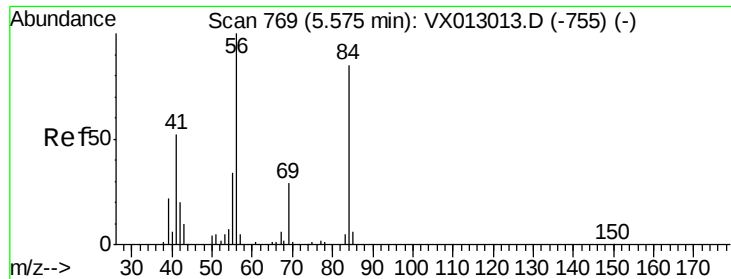
Tetrahydrofuran
Concen: 0.392 ug/l
RT: 5.14 min Scan# 697
Delta R.T. 0.02 min
Lab File: VX013142.D
Acq: 18 Oct 2019 21:01

Tgt Ion: 42 Resp: 363
Ion Ratio Lower Upper
42 100
72 8.5 36.9 55.3#
71 11.6 33.5 50.3#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

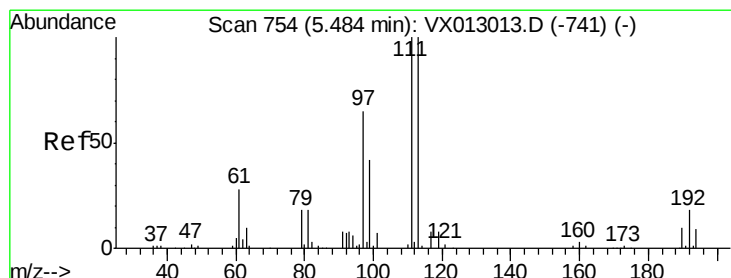
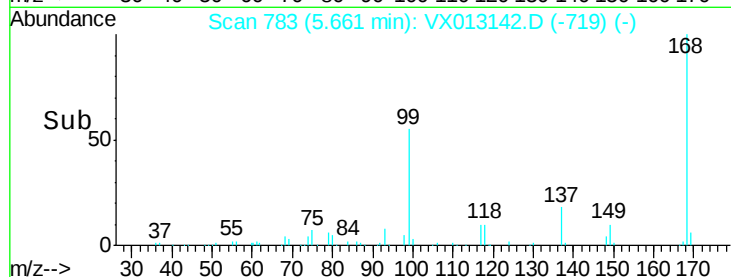
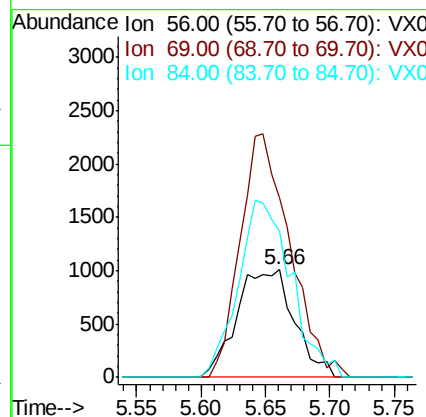
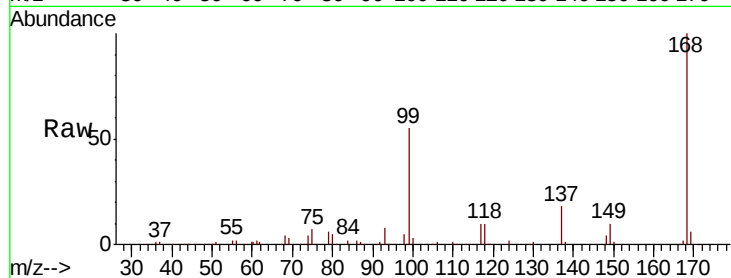




#31
Cyclohexane
Concen: 1.047 ug/l
RT: 5.66 min Scan# 783
Delta R.T. 0.09 min
Lab File: VX013142.D
Acq: 18 Oct 2019 21:01

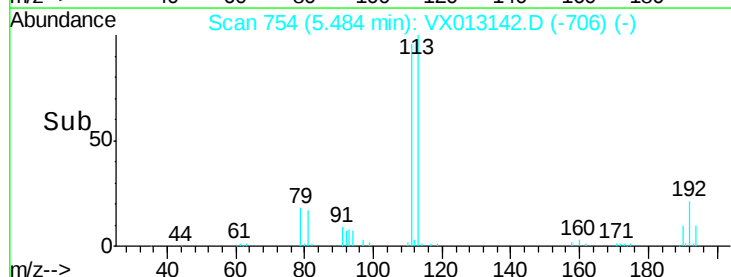
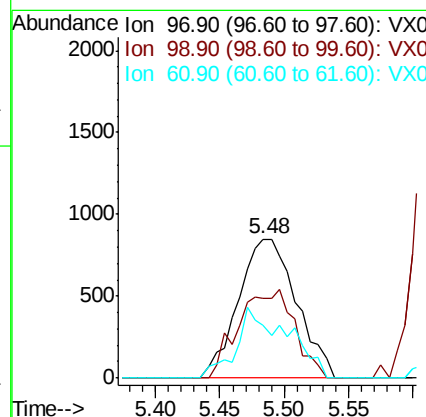
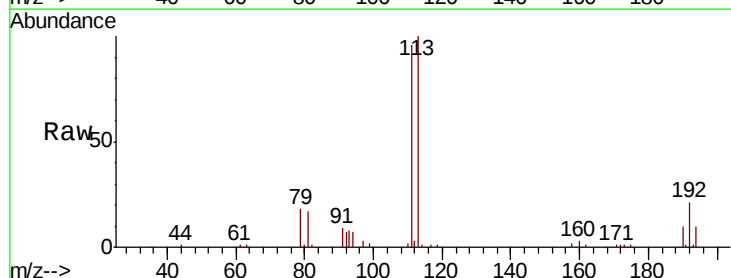
Instrument :
MSVOA_X
ClientSampleId :
FA19-JPZ0348

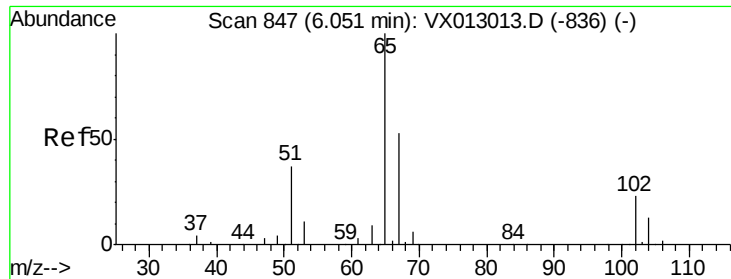
Tot Ion: 56 Resp: 3125
Ion Ratio Lower Upper
56 100
69 166.4 25.2 37.8#
84 135.6 71.3 106.9#



#32
1,1,1-Trichloroethane
Concen: 0.955 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013142.D
Acq: 18 Oct 2019 21:01

Tgt Ion: 97 Resp: 2652
Ion Ratio Lower Upper
97 100
99 0.0 52.3 78.5#
61 27.2 35.0 52.4#

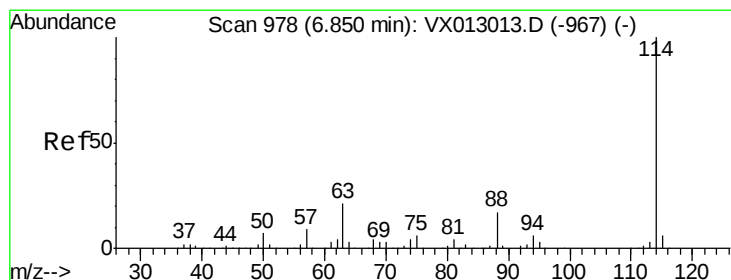
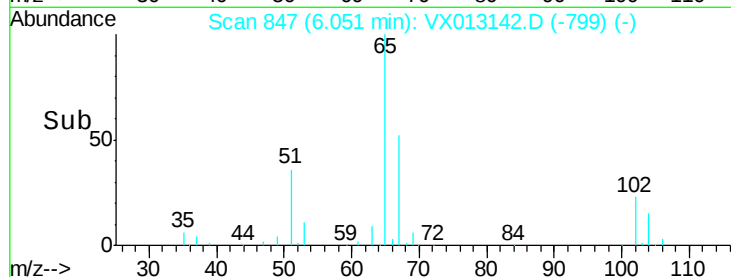
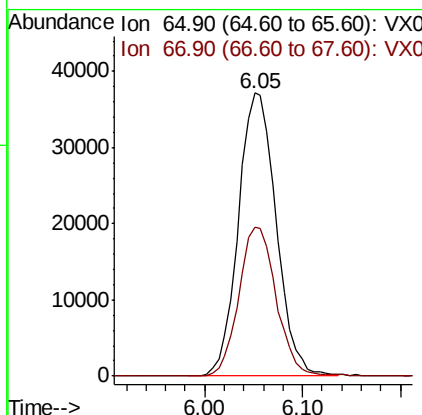
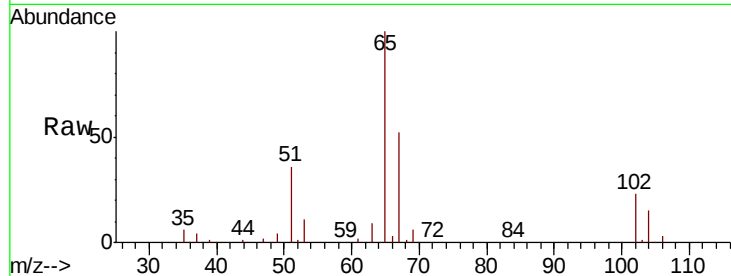




#33
 1,2-Dichloroethane-d4
 Concen: 48.486 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX013142.D
 Acq: 18 Oct 2019 21:01

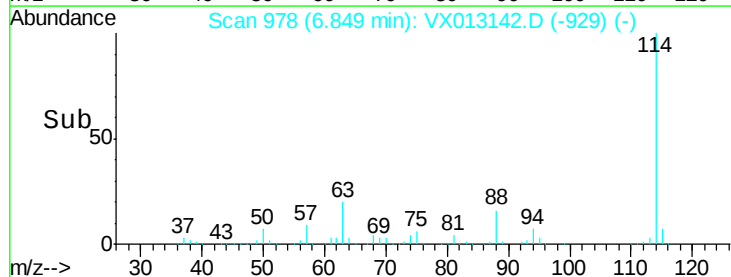
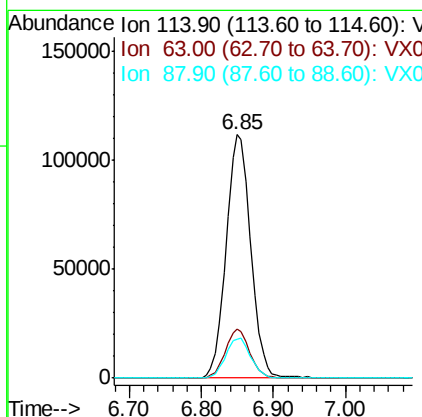
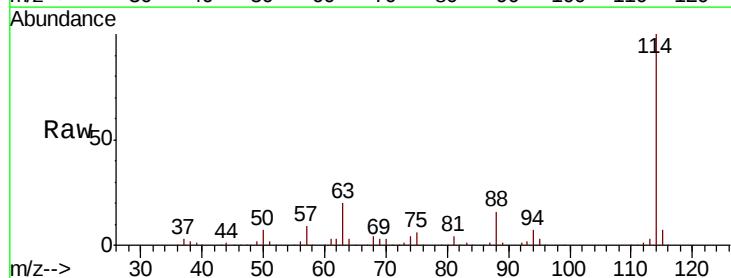
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JPZ0348

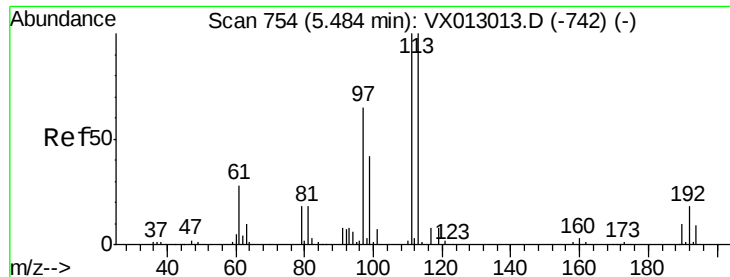
Tot Ion: 65 Resp: 99729
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013142.D
 Acq: 18 Oct 2019 21:01

Tgt Ion: 114 Resp: 265549
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.8
 88 15.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 52.276 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013142.D

Acq: 18 Oct 2019 21:01

Instrument :

MSVOA_X

ClientSampleId :

FA19-JPZ0348

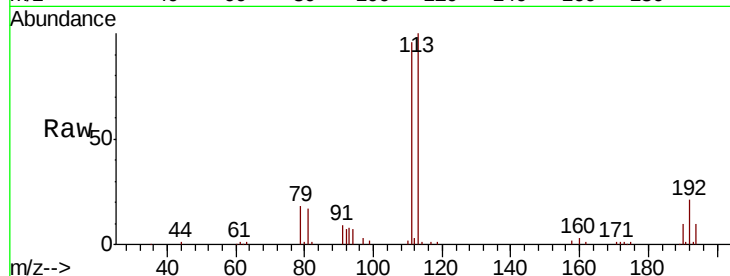
Tot Ion:113 Resp: 79675

Ion Ratio Lower Upper

113 100

111 102.3 83.2 124.8

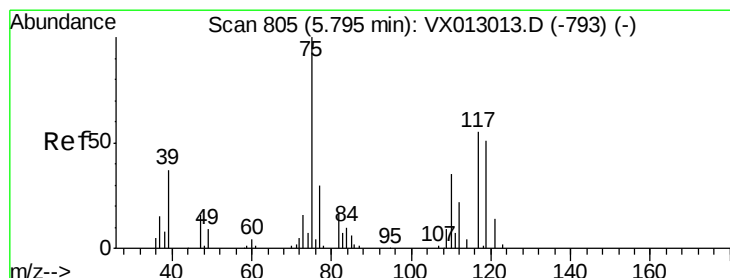
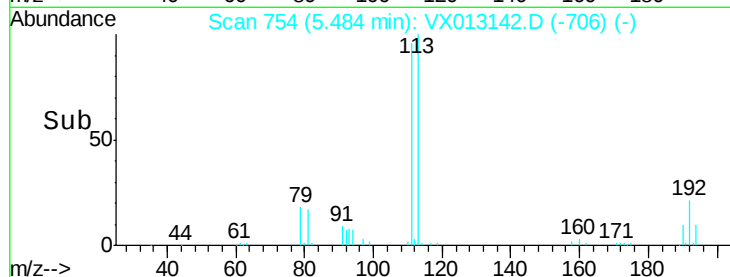
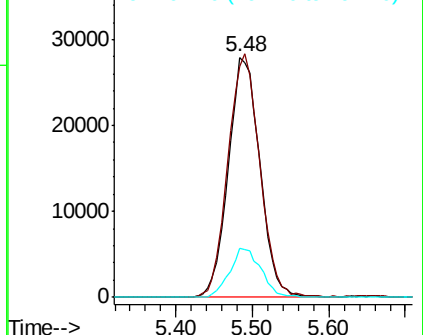
192 20.5 15.4 23.2



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: 5.521 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013142.D

Acq: 18 Oct 2019 21:01

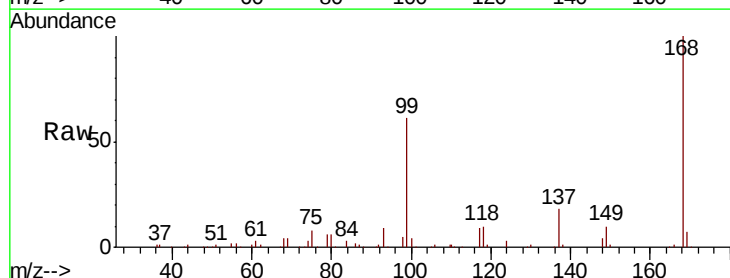
Tgt Ion: 75 Resp: 12889

Ion Ratio Lower Upper

75 100

110 10.0 17.6 52.9#

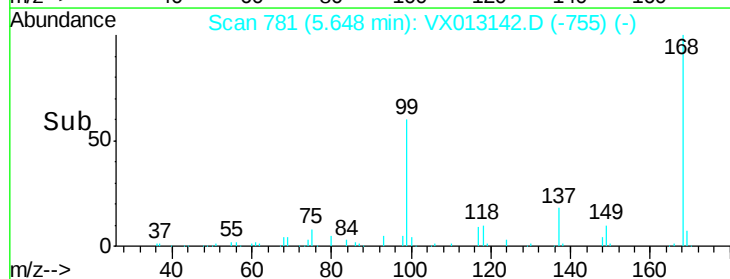
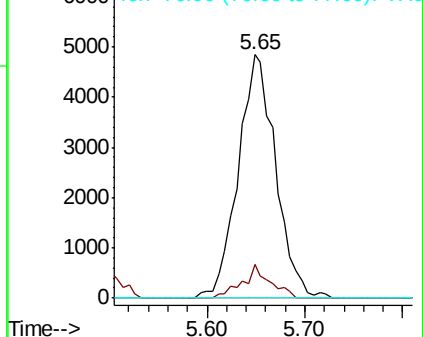
77 0.0 24.4 36.6#

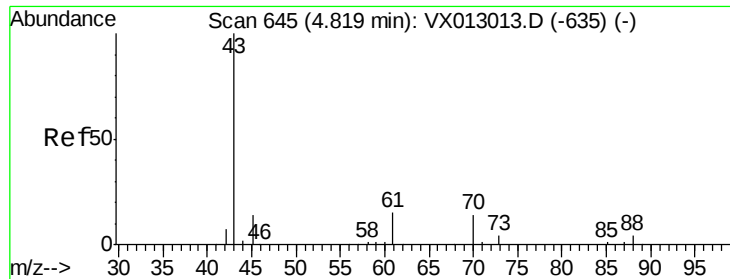


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

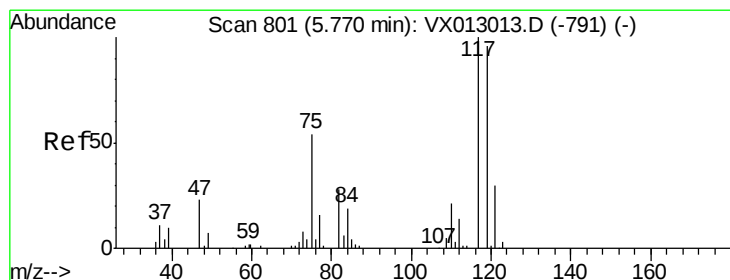
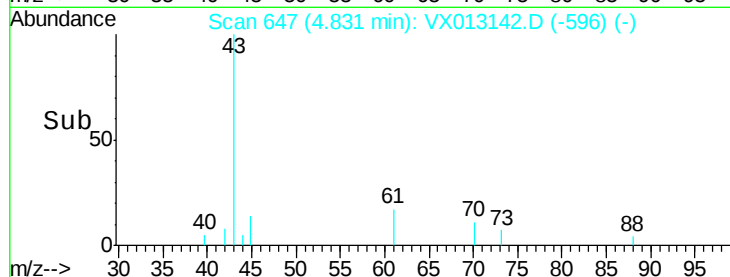
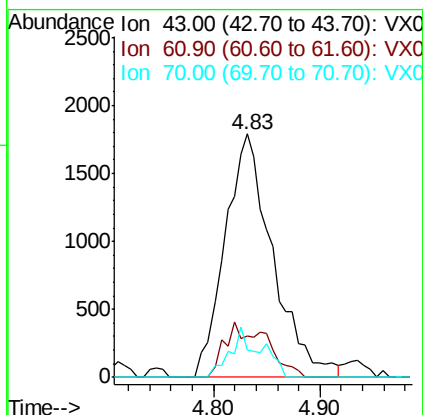
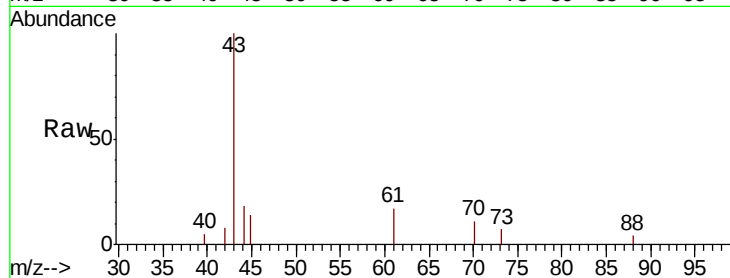




#37
Ethyl Acetate
Concen: 2.140 ug/l
RT: 4.83 min Scan# 647
Delta R.T. 0.01 min
Lab File: VX013142.D
Acq: 18 Oct 2019 21:01

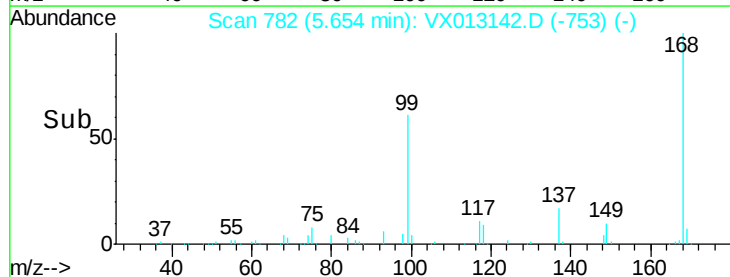
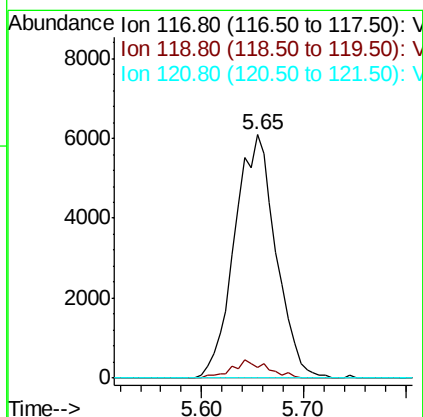
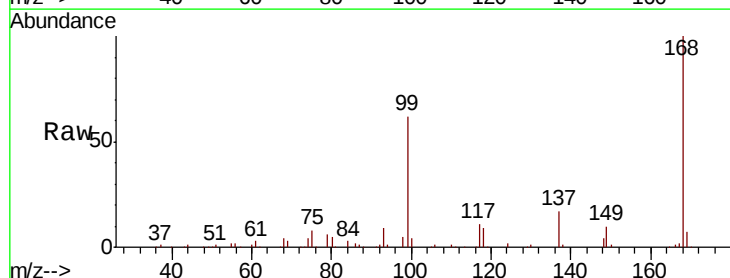
Instrument :
MSVOA_X
ClientSampleId :
FA19-JPZ0348

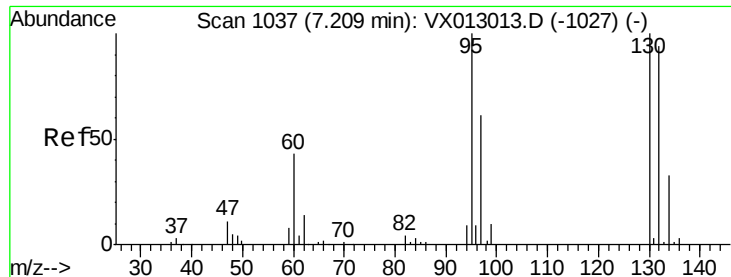
Tot Ion: 43 Resp: 5587
Ion Ratio Lower Upper
43 100
61 12.3 11.4 17.0
70 9.7 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 7.532 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX013142.D
Acq: 18 Oct 2019 21:01

Tgt Ion: 117 Resp: 17116
Ion Ratio Lower Upper
117 100
119 4.5 74.5 111.7#
121 0.0 24.2 36.4#





#44

Trichloroethene

Concen: 21.429 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX013142.D

Acq: 18 Oct 2019 21:01

Instrument :

MSVOA_X

ClientSampleId :

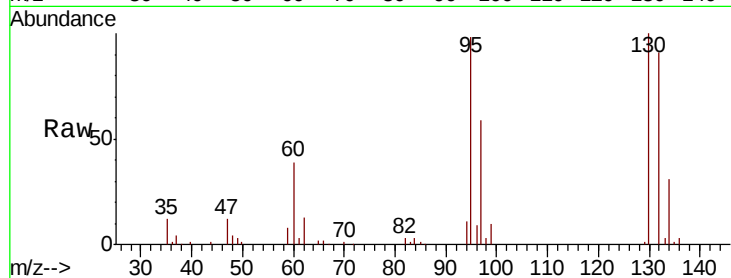
FA19-JPZ0348

Tot Ion:130 Resp: 40976

Ion Ratio Lower Upper

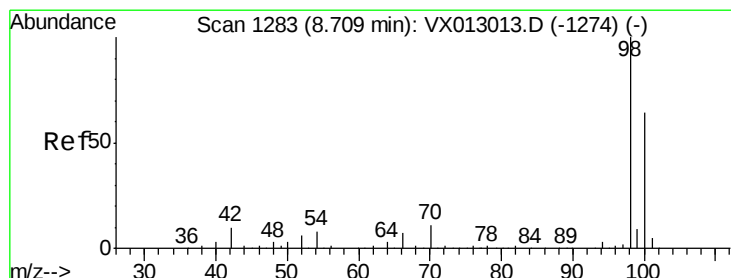
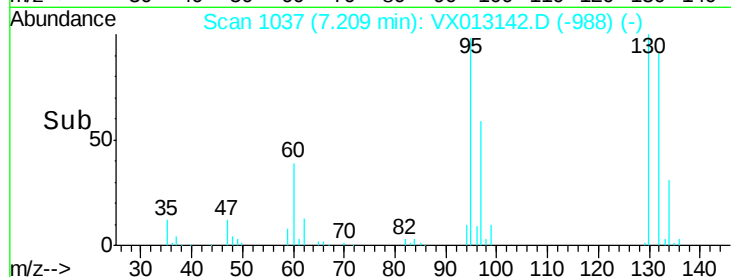
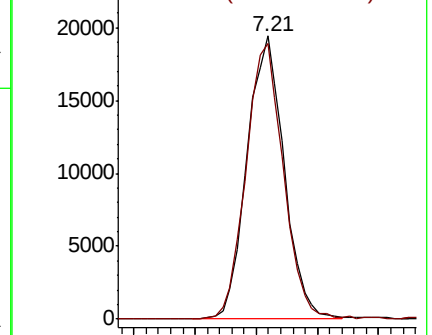
130 100

95 97.5 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: 50.906 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013142.D

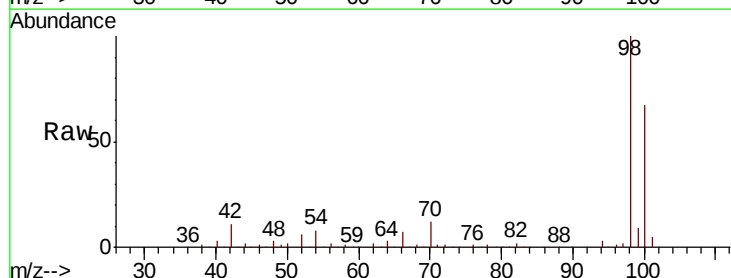
Acq: 18 Oct 2019 21:01

Tgt Ion: 98 Resp: 302604

Ion Ratio Lower Upper

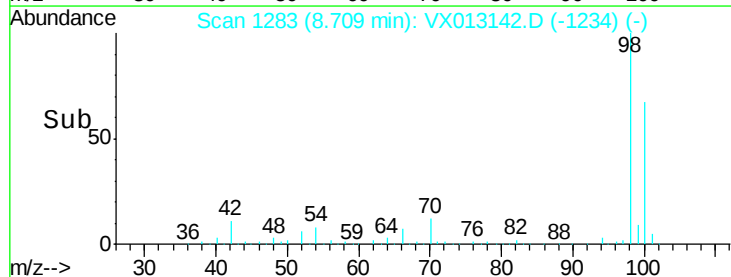
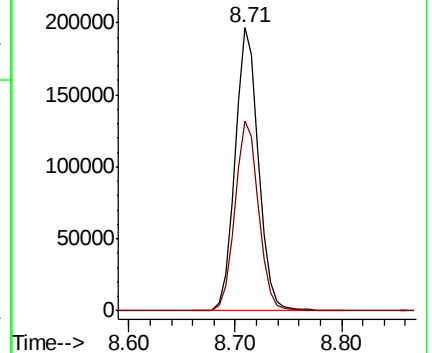
98 100

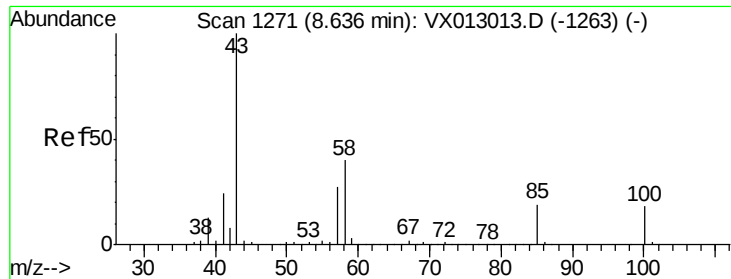
100 67.9 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.485 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX013142.D

Acq: 18 Oct 2019 21:01

Instrument :

MSVOA_X

ClientSampleId :

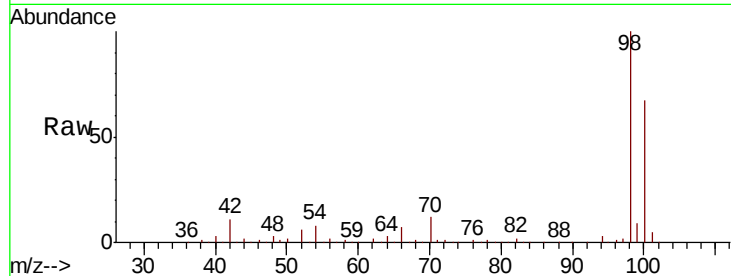
FA19-JPZ0348

Tot Ion: 43 Resp: 1267

Ion Ratio Lower Upper

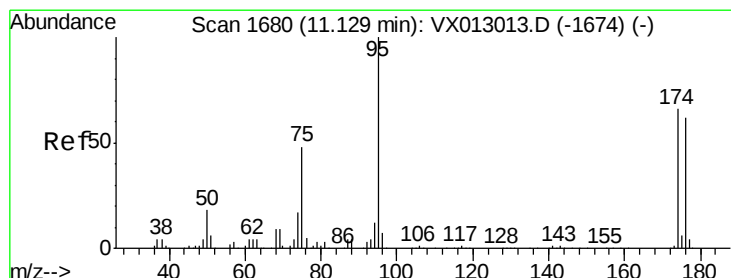
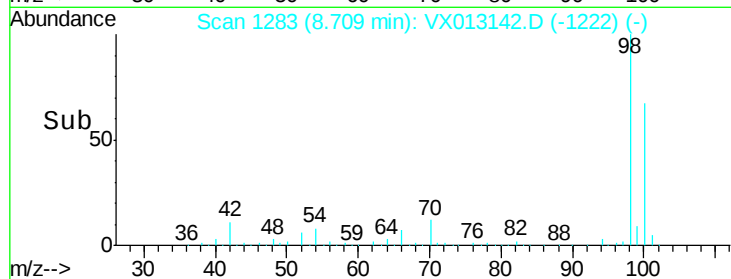
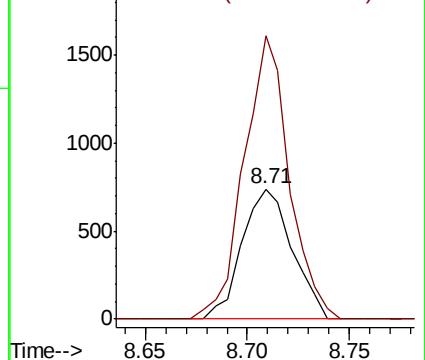
43 100

58 194.8 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: 45.175 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013142.D

Acq: 18 Oct 2019 21:01

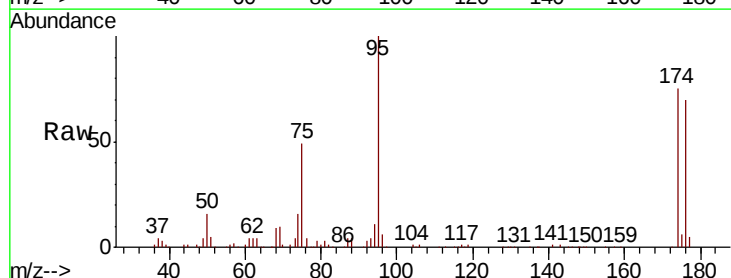
Tgt Ion: 95 Resp: 104343

Ion Ratio Lower Upper

95 100

174 76.1 0.0 143.4

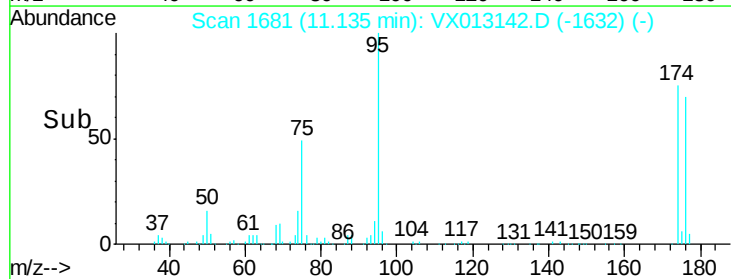
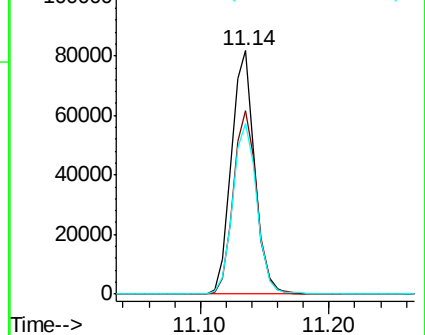
176 72.4 0.0 136.0

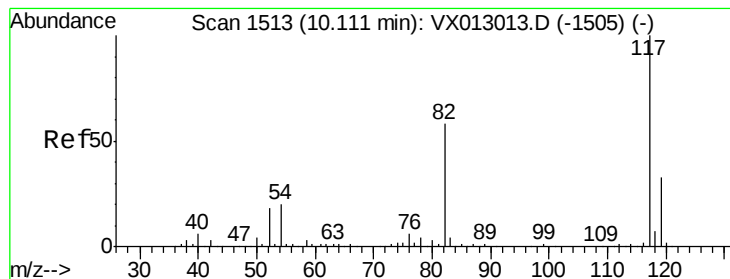


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX013142.D

Acq: 18 Oct 2019 21:01

Instrument :

MSVOA_X

ClientSampleId :

FA19-JPZ0348

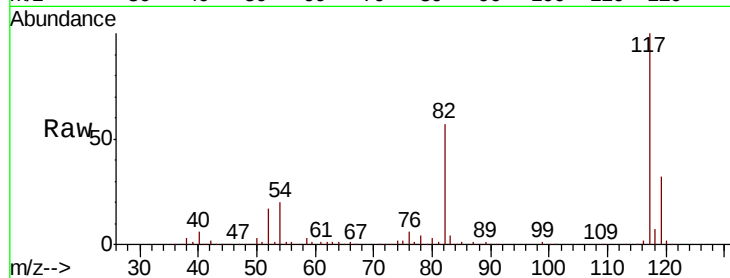
Tot Ion:117 Resp: 225800

Ion Ratio Lower Upper

117 100

82 56.5 44.1 66.1

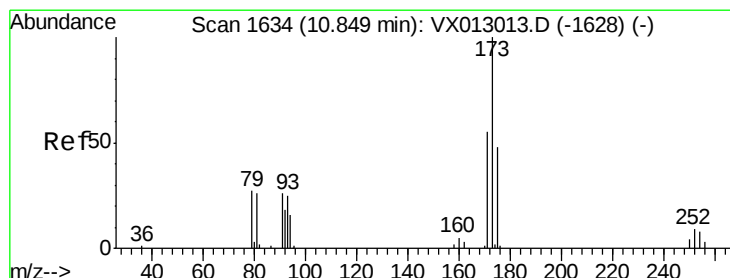
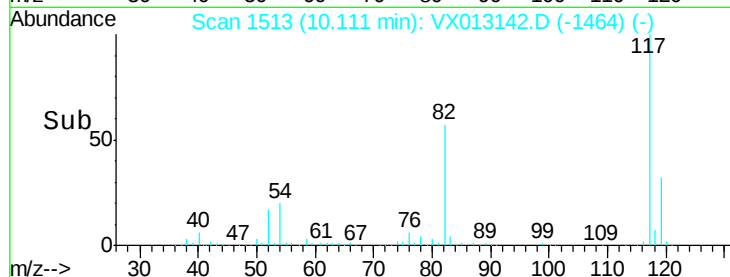
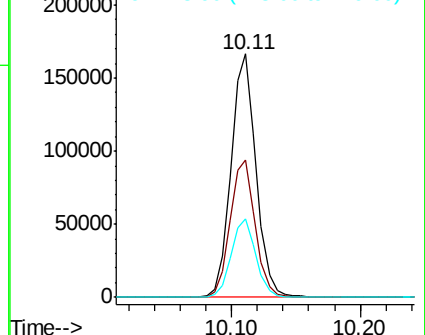
119 32.4 25.8 38.8



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



#71

Bromoform

Concen: 3.300 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.27 min

Lab File: VX013142.D

Acq: 18 Oct 2019 21:01

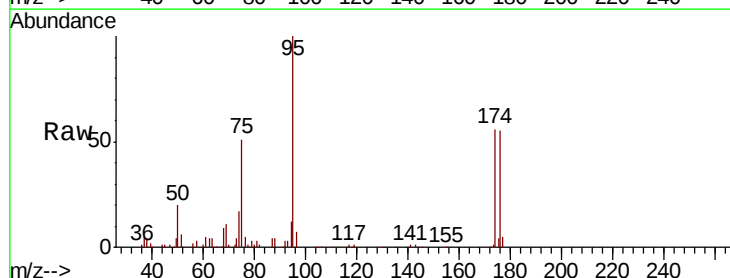
Tgt Ion:173 Resp: 236

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.3#

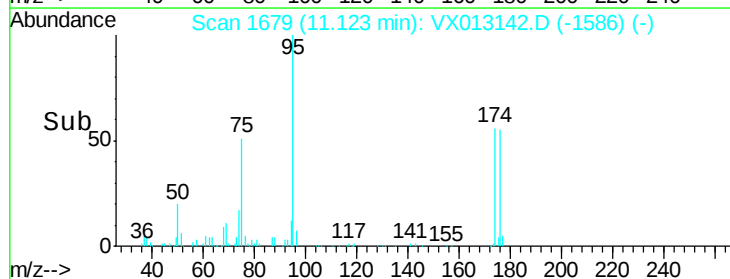
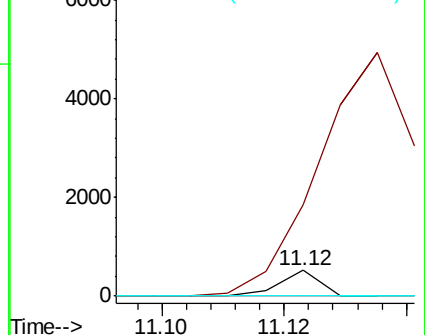
254 0.0 0.1 0.1#

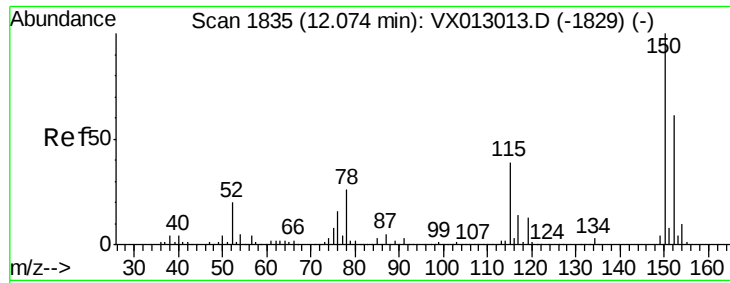


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX013142.D

Acq: 18 Oct 2019 21:01

Instrument :

MSVOA_X

ClientSampleId :

FA19-JPZ0348

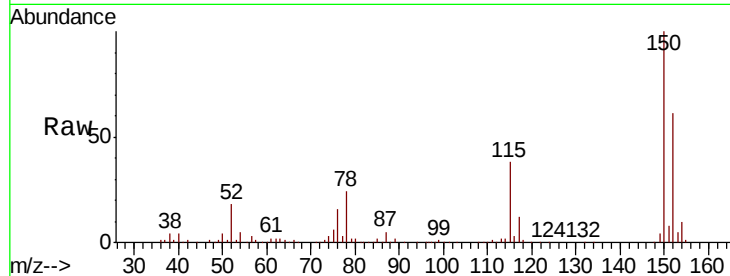
Tot Ion:152 Resp: 90961

Ion Ratio Lower Upper

152 100

115 63.6 44.5 133.5

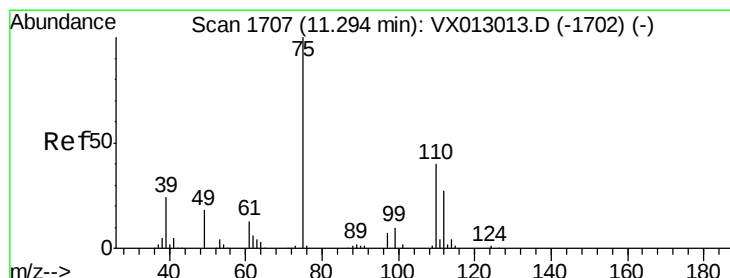
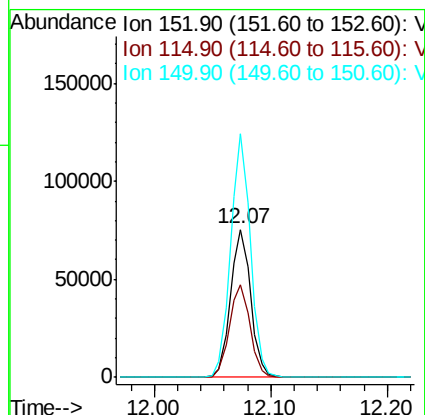
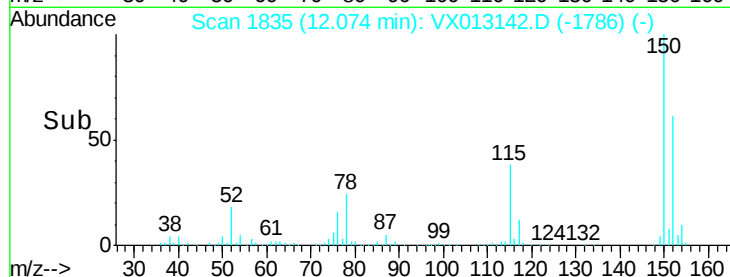
150 161.0 0.0 353.4



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: 26.045 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX013142.D

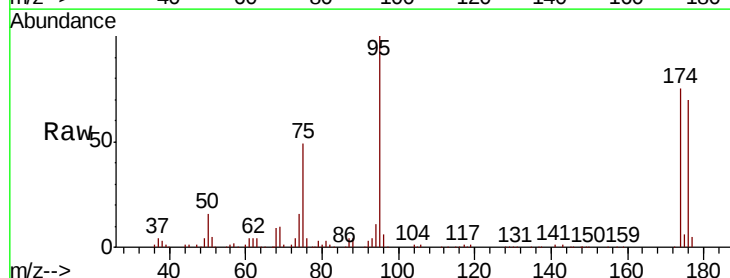
Acq: 18 Oct 2019 21:01

Tgt Ion: 75 Resp: 52546

Ion Ratio Lower Upper

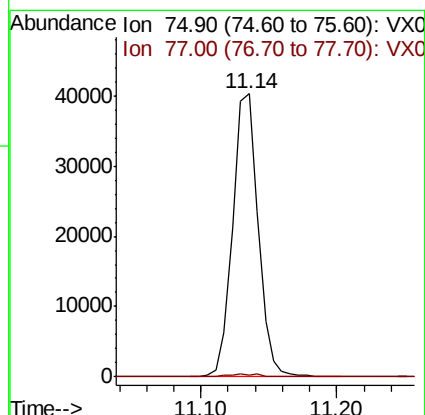
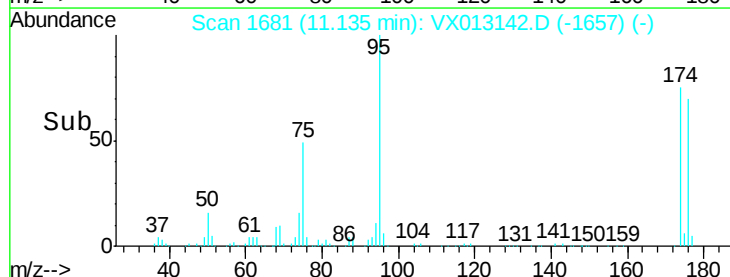
75 100

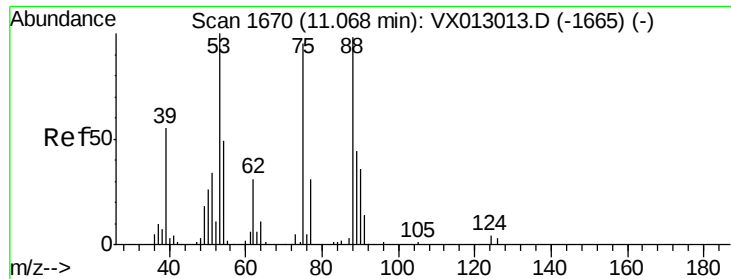
77 1.3 22.9 68.8#



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: 65.588 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013142.D

Acq: 18 Oct 2019 21:01

Instrument :

MSVOA_X

ClientSampleId :

FA19-JPZ0348

Tot Ion: 75 Resp: 52546

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

