

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012895.D
 Acq On : 08 Oct 2019 17:27
 Operator : JC/SP
 Sample : K5122-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414

Quant Time: Oct 09 02:10:36 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	176892	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	300348	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	90102	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	115404	52.20	ug/l	0.00
Spiked Amount			Recovery	=	104.40%	
35) Dibromofluoromethane	5.49	113	88653	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	
50) Toluene-d8	8.71	98	349878	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
62) 4-Bromofluorobenzene	11.13	95	116289	44.51	ug/l	0.00
Spiked Amount			Recovery	=	89.02%	

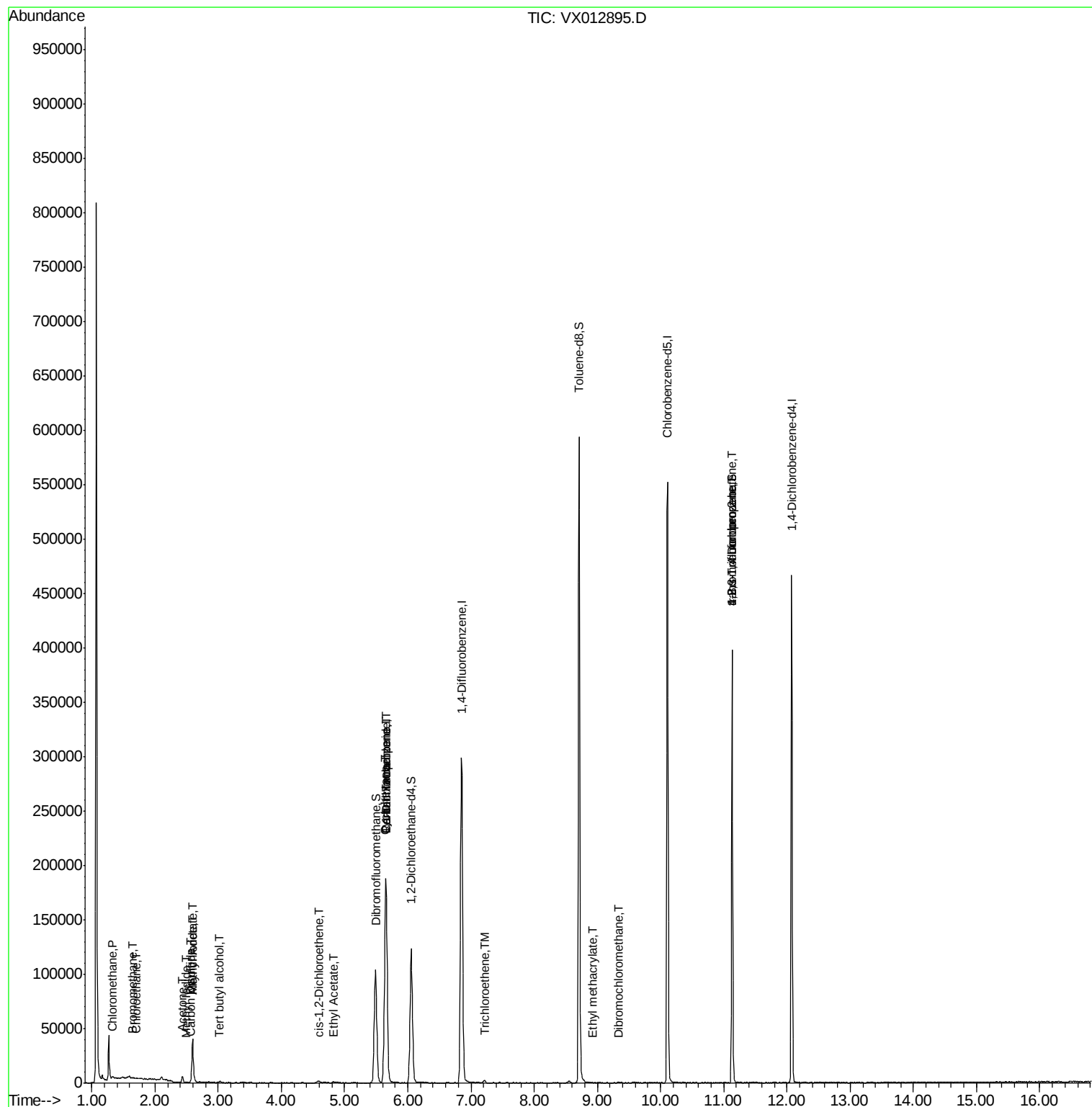
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	909	0.463	ug/l #	70
5) Bromomethane	1.64	94	422	0.501	ug/l	94
6) Chloroethane	1.72	64	610	0.857	ug/l #	56
10) Methyl Iodide	2.50	142	187	5.165	ug/l #	53
11) Tert butyl alcohol	3.02	59	1507	2.571	ug/l #	87
14) Allyl chloride	2.59	41	4020	1.263	ug/l #	65
16) Acetone	2.44	43	5977	5.129	ug/l	97
17) Carbon Disulfide	2.56	76	1431	0.281	ug/l #	92
18) Methyl Acetate	2.59	43	10321	3.736	ug/l #	51
27) cis-1,2-Dichloroethene	4.58	96	1063	0.481	ug/l	83
31) Cyclohexane	5.64	56	3879	1.209	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14029	5.313	ug/l #	50
37) Ethyl Acetate	4.82	43	1131	0.383	ug/l #	78
38) Carbon Tetrachloride	5.65	117	18555	7.219	ug/l #	18
44) Trichloroethene	7.22	130	1028	0.475	ug/l	57
56) Ethyl methacrylate	8.92	69	20	1.837	ug/l #	25
60) Dibromochloromethane	9.33	129	106	1.903	ug/l #	10
76) 1,2,3-Trichloropropane	11.14	75	56993	28.519	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	56993	71.429	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# 781

Delta R.T. -0.01 min

Lab File: VX012895.D

Acq: 08 Oct 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

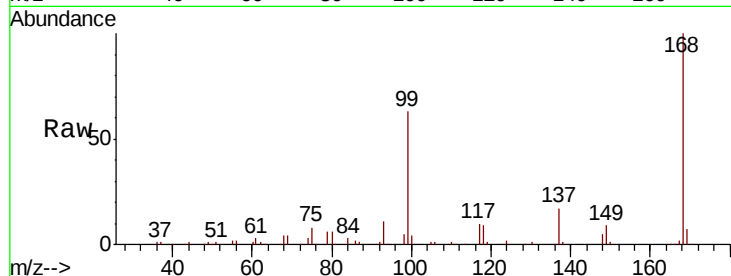
FA19-MMW3414

Tot Ion:168 Resp: 176892

Ion Ratio Lower Upper

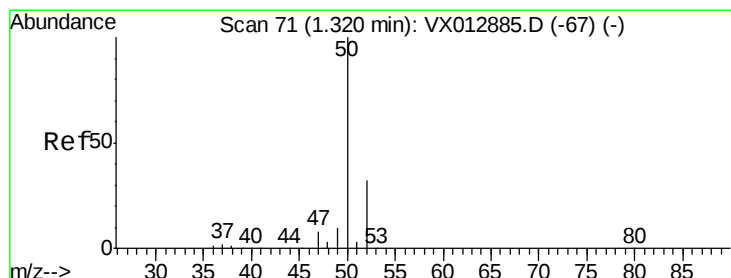
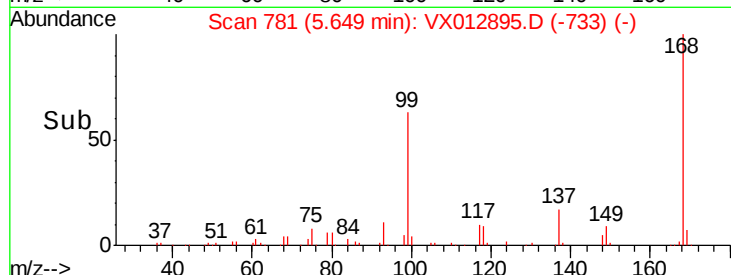
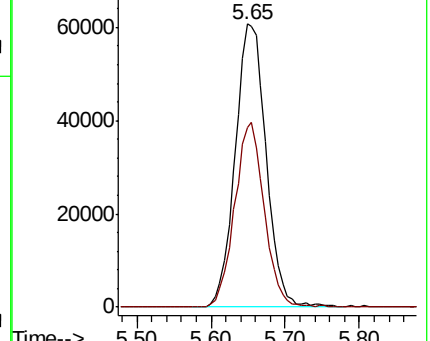
168 100

99 63.5 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.463 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012895.D

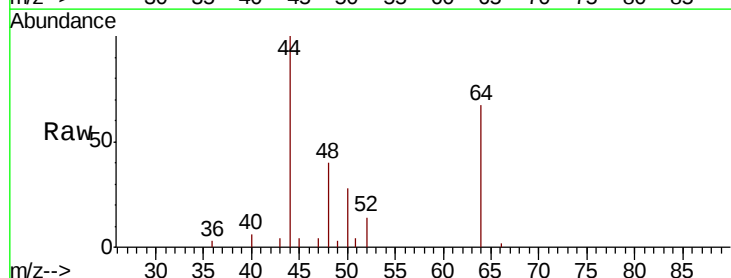
Acq: 08 Oct 2019 17:27

Tgt Ion: 50 Resp: 909

Ion Ratio Lower Upper

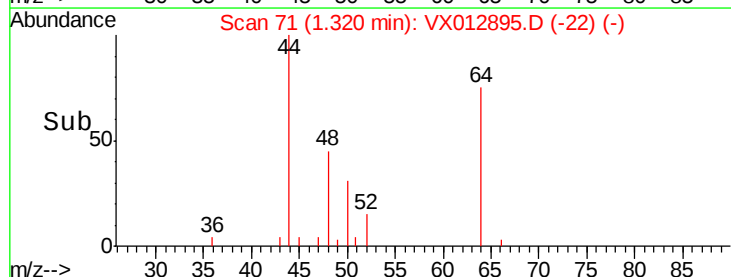
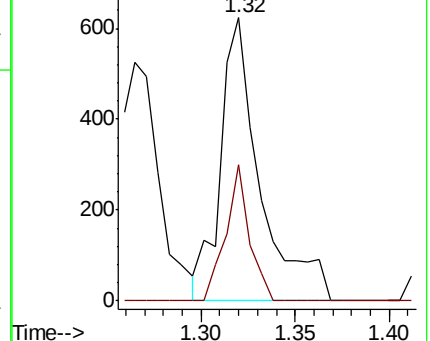
50 100

52 48.0 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: 0.501 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX012895.D

Acq: 08 Oct 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

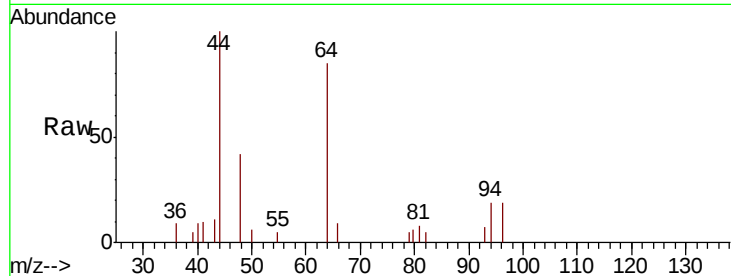
FA19-MMW3414

Tot Ion: 94 Resp: 422

Ion Ratio Lower Upper

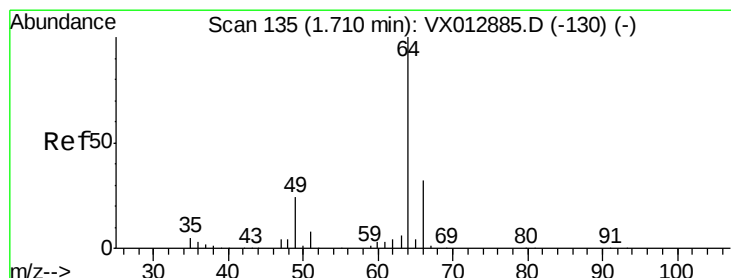
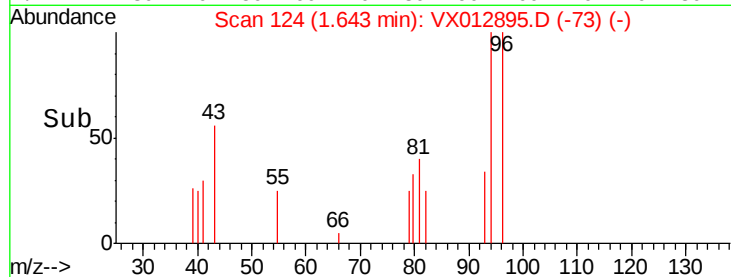
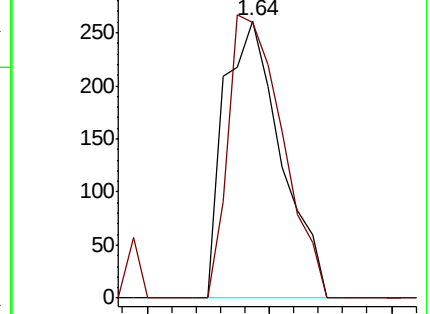
94 100

96 99.6 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: 0.857 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012895.D

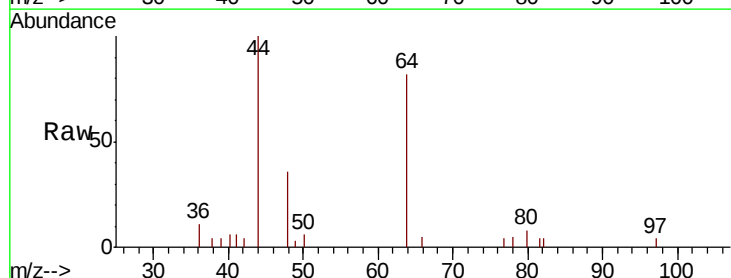
Acq: 08 Oct 2019 17:27

Tgt Ion: 64 Resp: 610

Ion Ratio Lower Upper

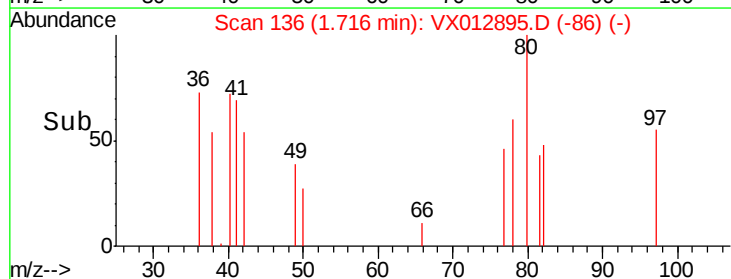
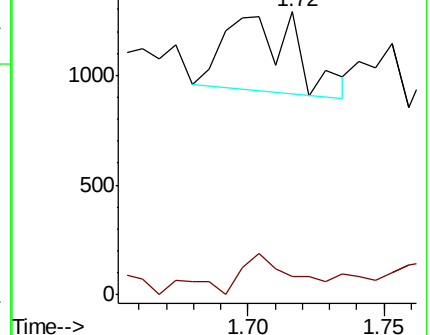
64 100

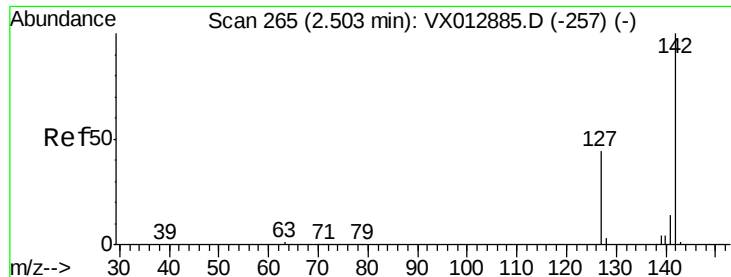
66 7.6 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

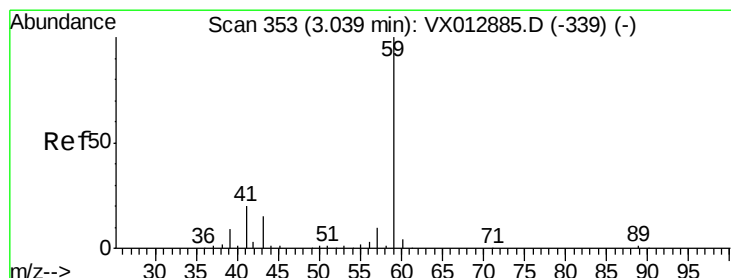
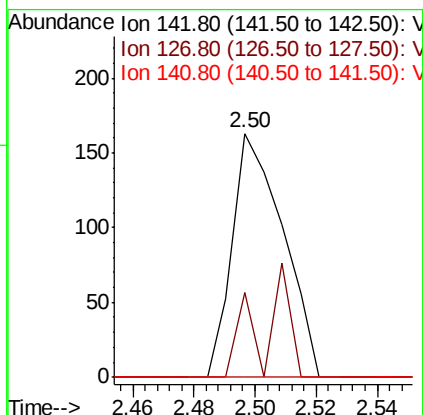
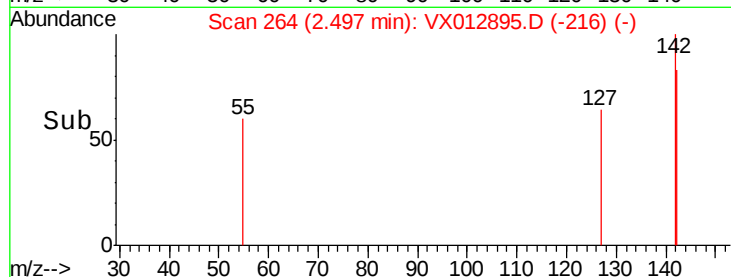
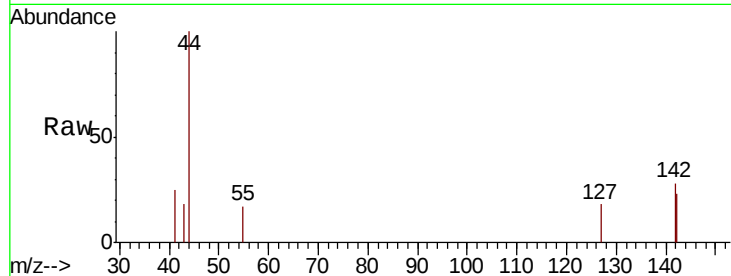




#10
Methyl Iodide
Concen: 5.165 ug/l
RT: 2.50 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX012895.D
Acq: 08 Oct 2019 17:27

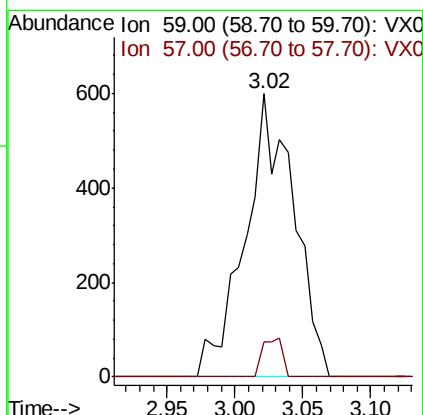
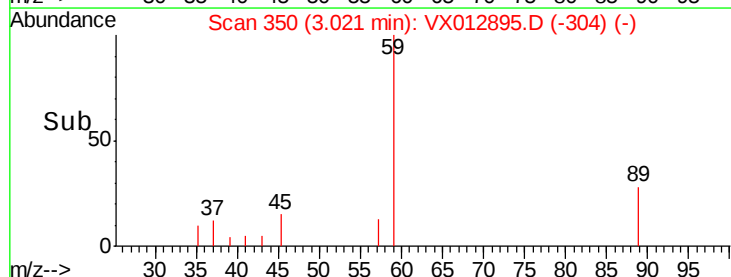
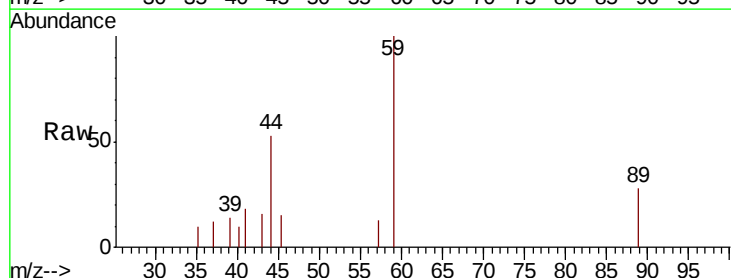
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414

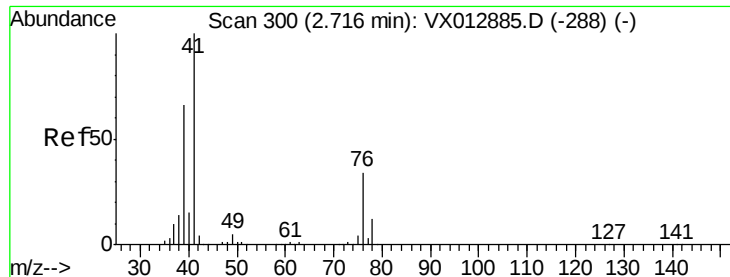
Tot Ion:142 Resp: 187
Ion Ratio Lower Upper
142 100
127 11.2 34.9 52.3#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 2.571 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX012895.D
Acq: 08 Oct 2019 17:27

Tgt Ion: 59 Resp: 1507
Ion Ratio Lower Upper
59 100
57 5.6 8.3 12.5#





#14

Allvl chloride

Concen: 1.263 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.12 min

Lab File: VX012895.D

Acq: 08 Oct 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414

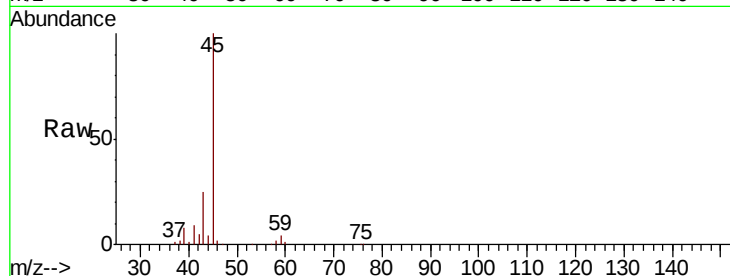
Tot Ion: 41 Resp: 4020

Ion Ratio Lower Upper

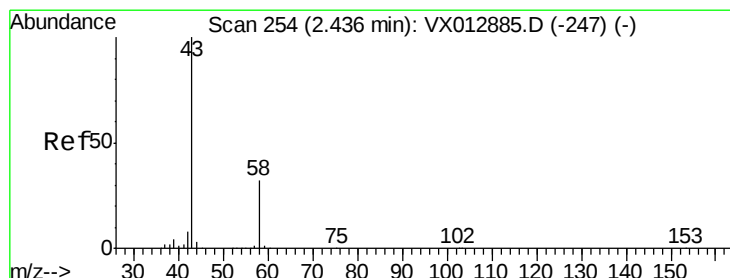
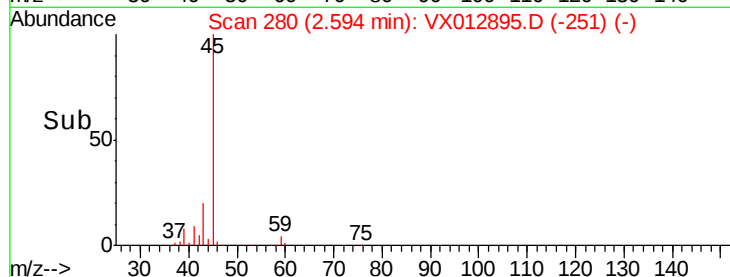
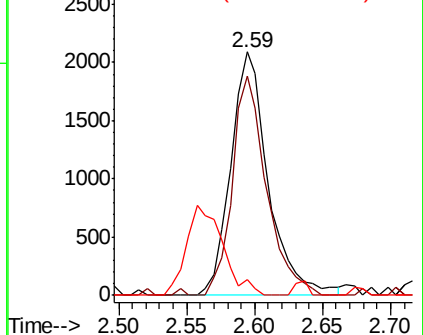
41 100

39 82.1 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: 5.129 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012895.D

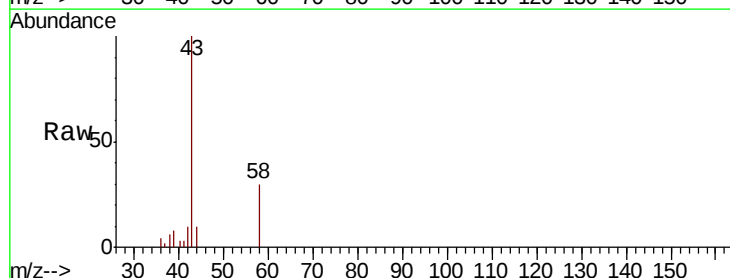
Acq: 08 Oct 2019 17:27

Tgt Ion: 43 Resp: 5977

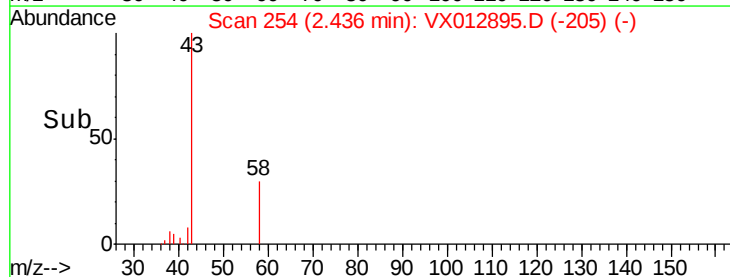
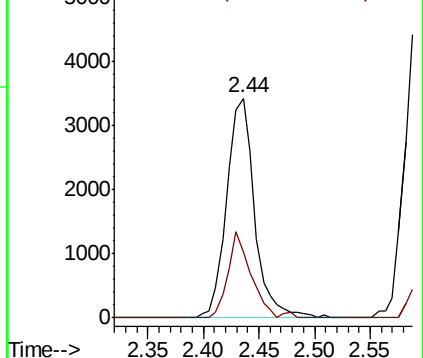
Ion Ratio Lower Upper

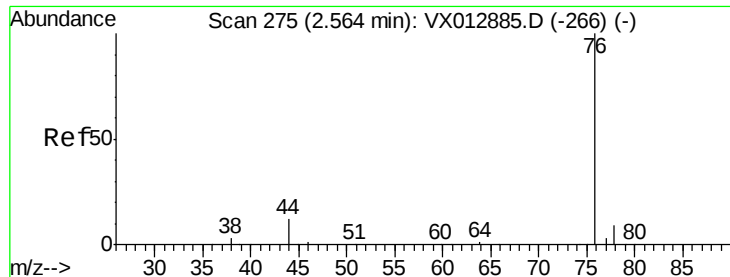
43 100

58 29.9 25.4 38.2



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

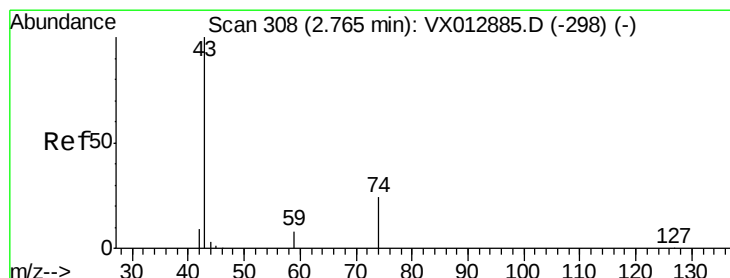
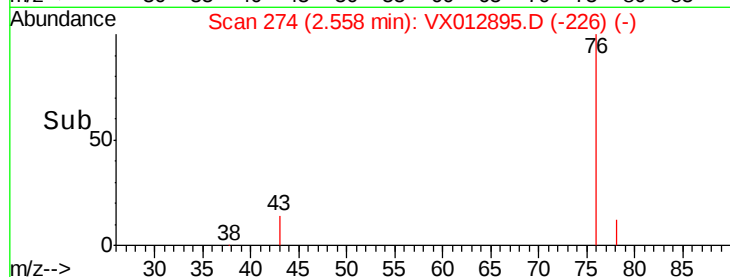
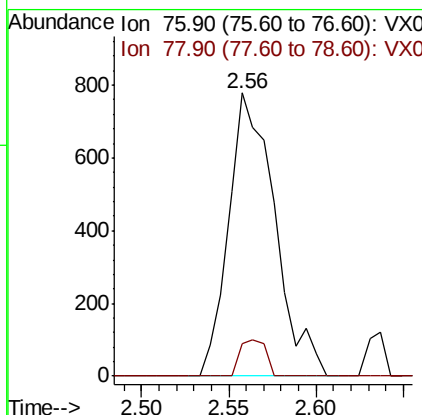
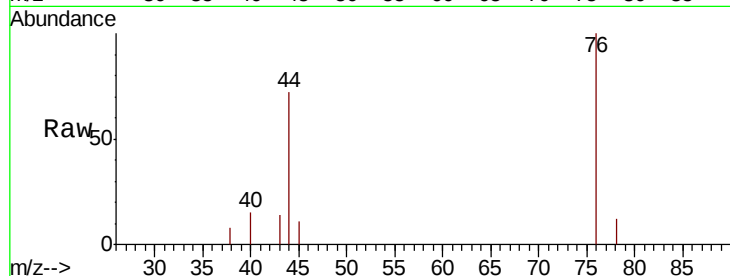




#17
Carbon Disulfide
Concen: 0.281 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX012895.D
Acq: 08 Oct 2019 17:27

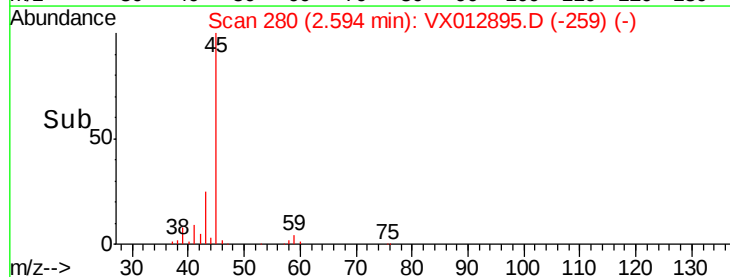
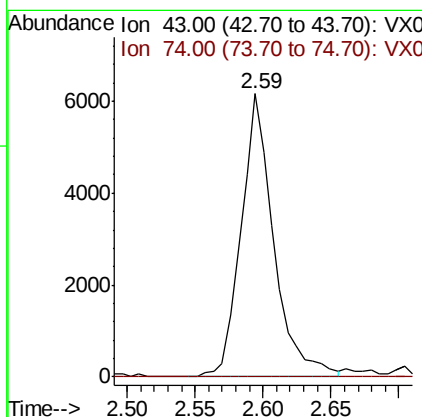
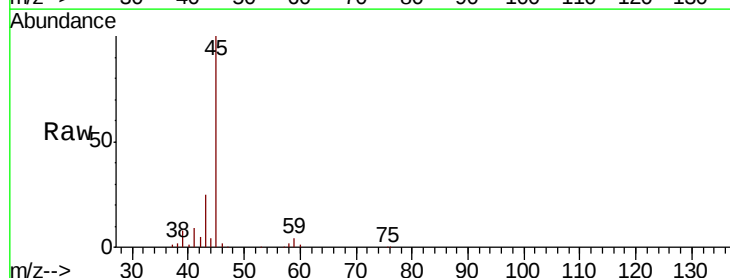
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414

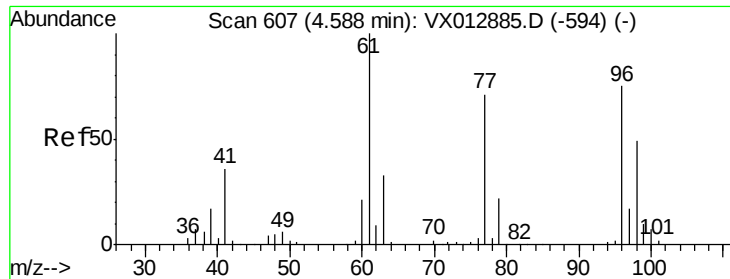
Tot Ion: 76 Resp: 1431
Ion Ratio Lower Upper
76 100
78 11.7 7.1 10.7#



#18
Methyl Acetate
Concen: 3.736 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012895.D
Acq: 08 Oct 2019 17:27

Tgt Ion: 43 Resp: 10321
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



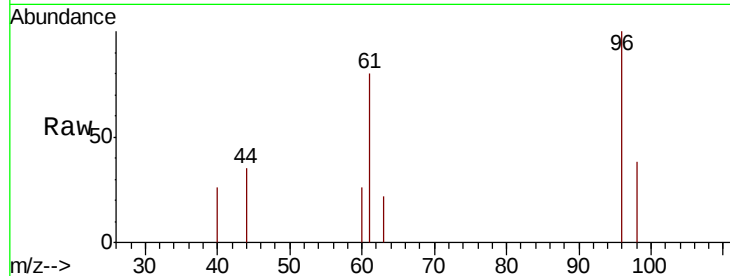


#27

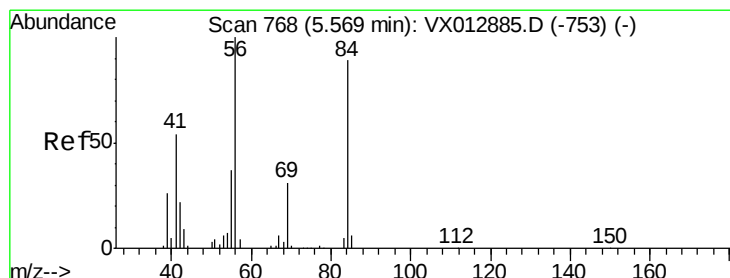
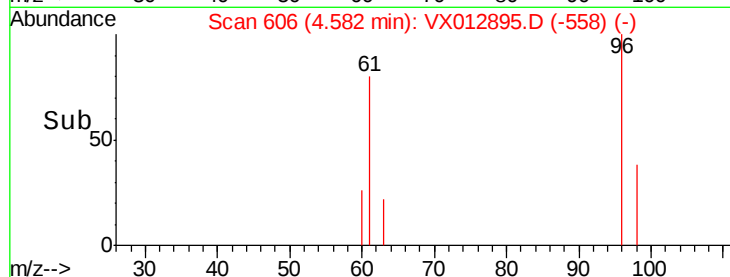
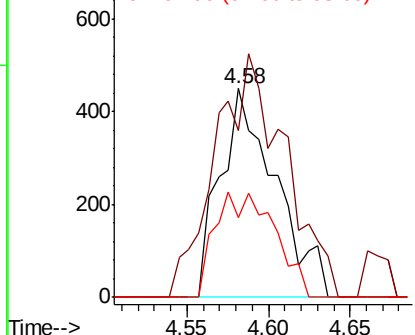
cis-1,2-Dichloroethene
Concen: 0.481 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX012895.D
Acq: 08 Oct 2019 17:27

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414

Tot Ion: 96 Resp: 1063
Ion Ratio Lower Upper
96 100
61 146.7 0.0 290.6
98 24.0 0.0 128.8



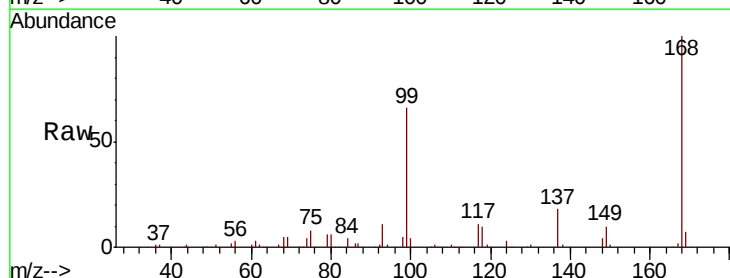
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



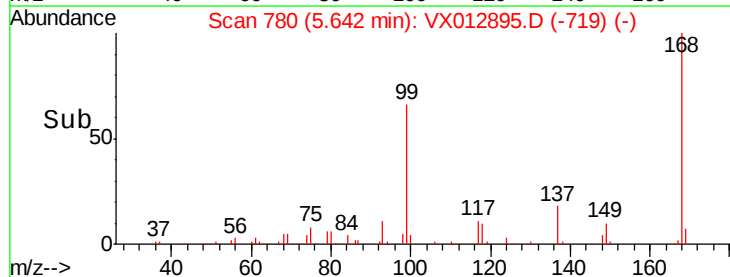
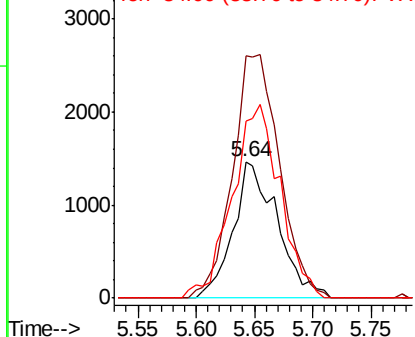
#31

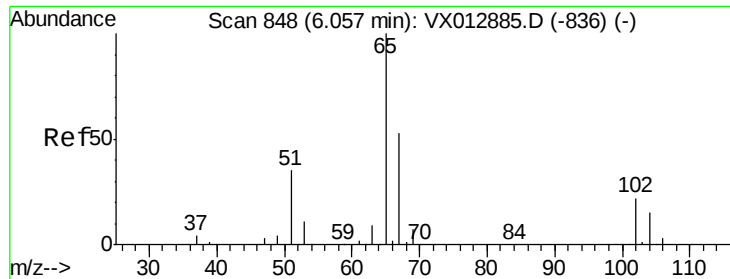
Cyclohexane
Concen: 1.209 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX012895.D
Acq: 08 Oct 2019 17:27

Tgt Ion: 56 Resp: 3879
Ion Ratio Lower Upper
56 100
69 177.3 25.2 37.8#
84 129.7 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

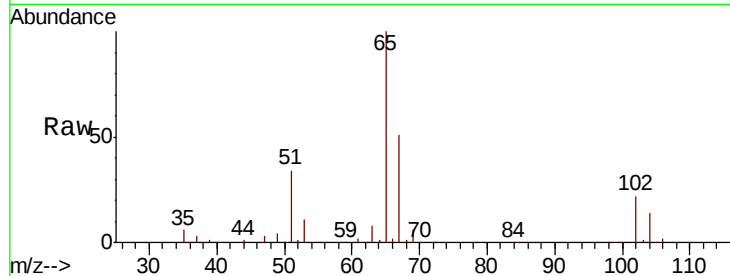




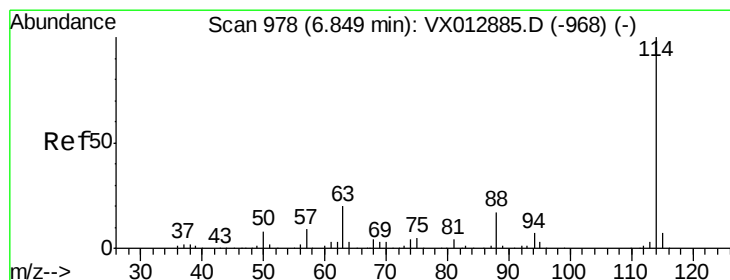
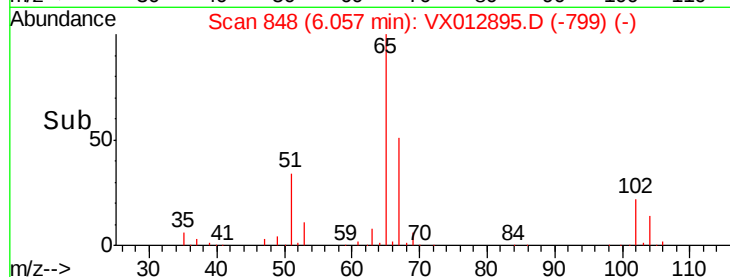
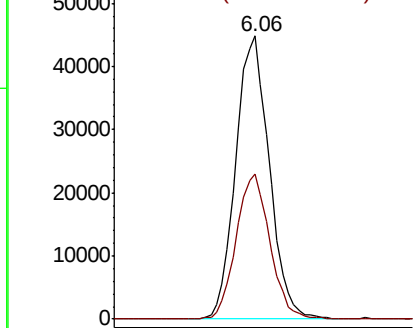
#33
 1,2-Dichloroethane-d4
 Concen: 52.197 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VX012895.D
 Acq: 08 Oct 2019 17:27

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414

Tot Ion: 65 Resp: 115404
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.4

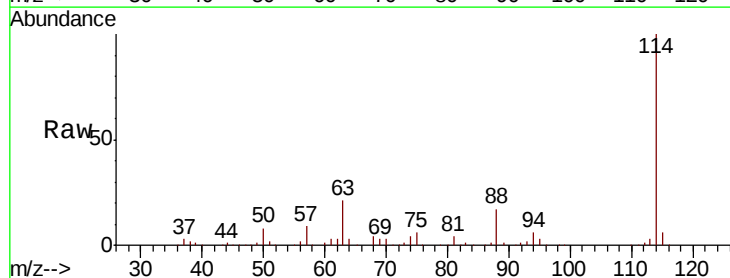


Abundance Ion 64.90 (64.60 to 65.60): VX0
 Ion 66.90 (66.60 to 67.60): VX0

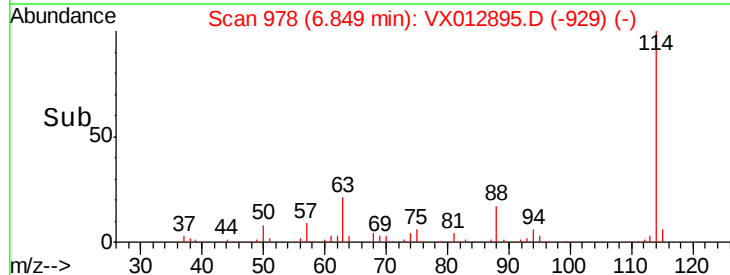
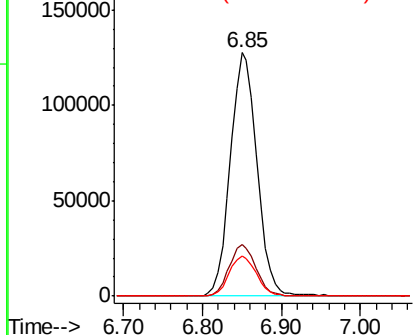


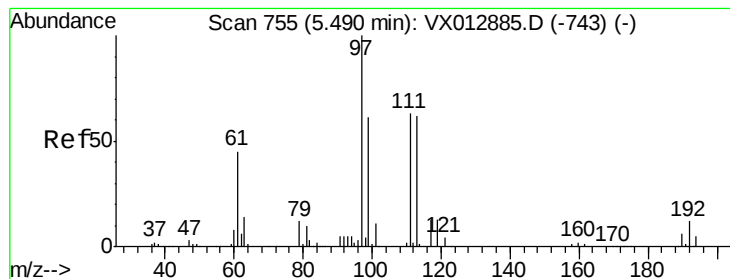
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012895.D
 Acq: 08 Oct 2019 17:27

Tgt Ion: 114 Resp: 300348
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 40.8
 88 16.7 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: 51.428 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012895.D

Acq: 08 Oct 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414

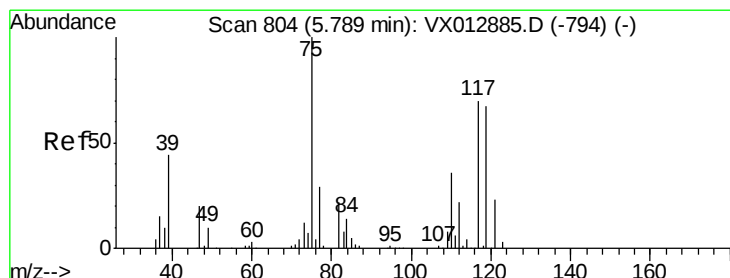
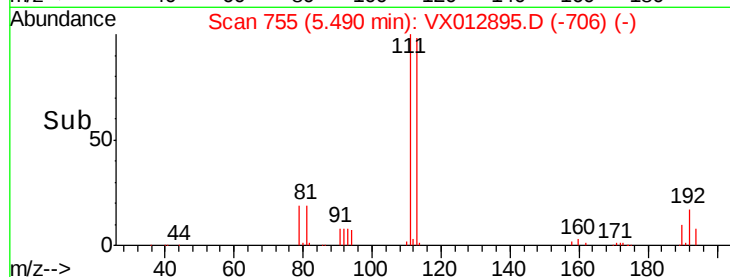
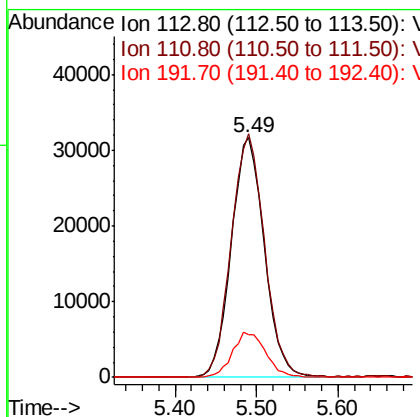
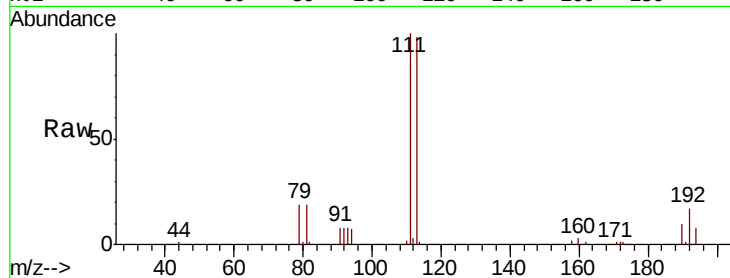
Tot Ion:113 Resp: 88653

Ion Ratio Lower Upper

113 100

111 102.6 83.2 124.8

192 19.0 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.313 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012895.D

Acq: 08 Oct 2019 17:27

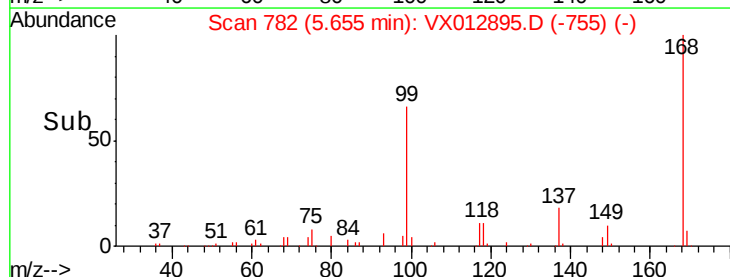
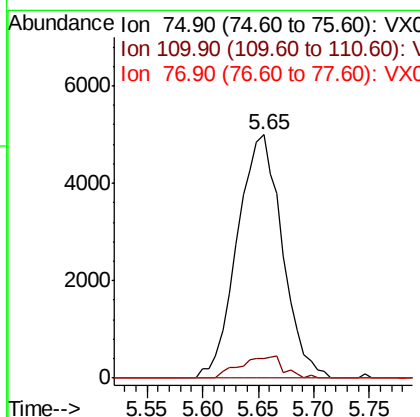
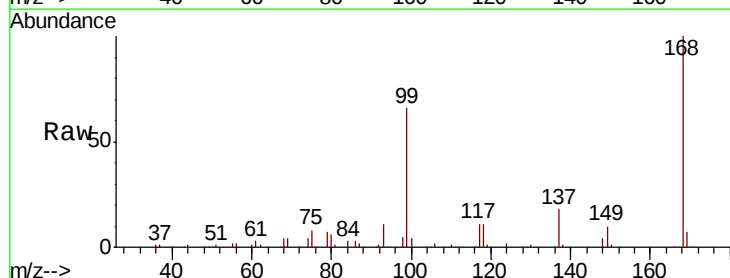
Tgt Ion: 75 Resp: 14029

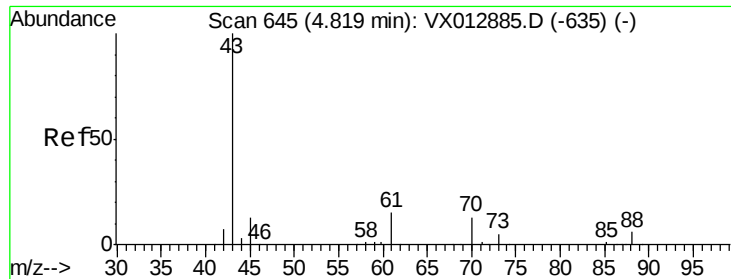
Ion Ratio Lower Upper

75 100

110 8.8 17.6 52.9#

77 0.0 24.4 36.6#

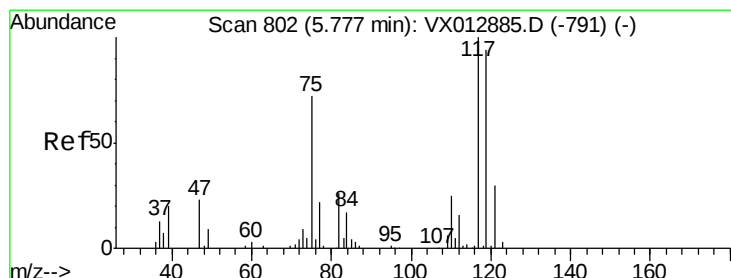
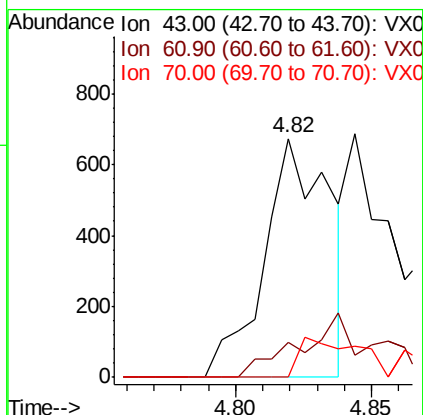
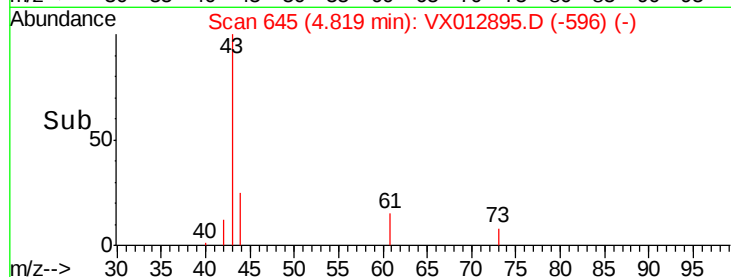
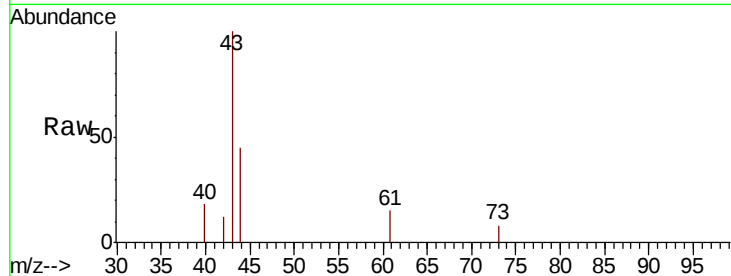




#37
Ethyl Acetate
Concen: 0.383 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012895.D
Acq: 08 Oct 2019 17:27

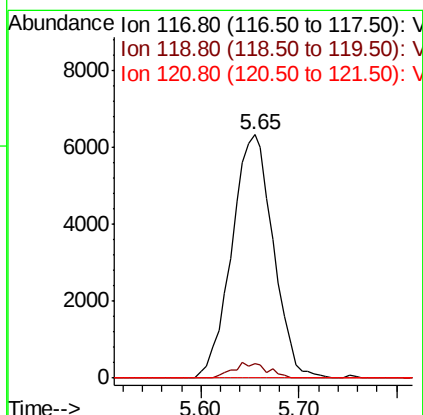
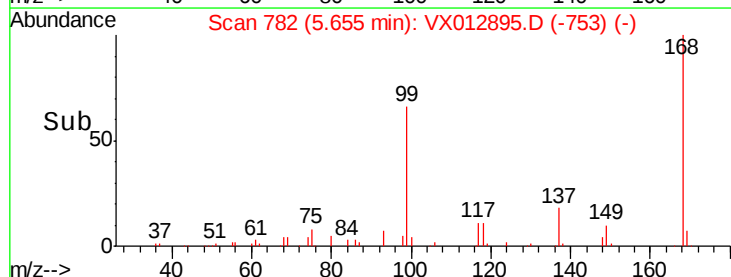
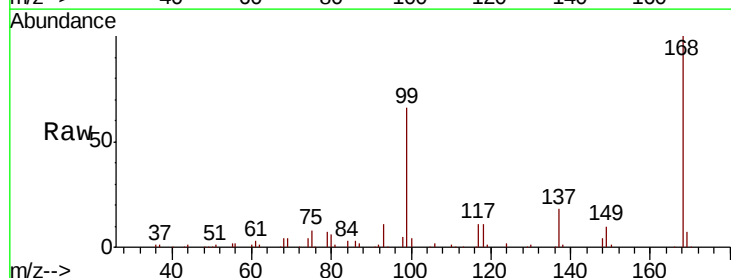
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414

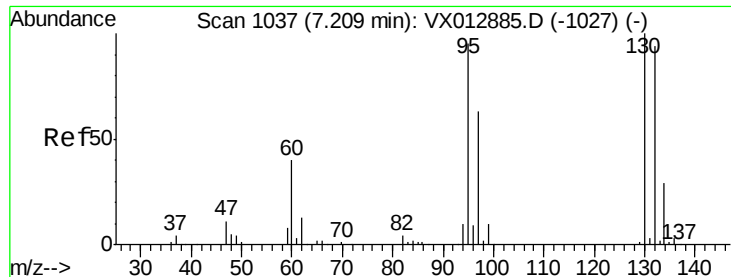
Tot Ion: 43 Resp: 1131
Ion Ratio Lower Upper
43 100
61 28.9 11.4 17.0#
70 14.8 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 7.219 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012895.D
Acq: 08 Oct 2019 17:27

Tgt Ion: 117 Resp: 18555
Ion Ratio Lower Upper
117 100
119 5.7 74.5 111.7#
121 0.0 24.2 36.4#





#44

Trichloroethene

Concen: 0.475 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX012895.D

Acq: 08 Oct 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

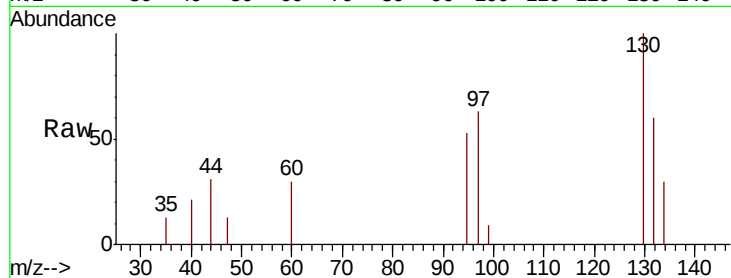
FA19-MMW3414

Tot Ion:130 Resp: 1028

Ion Ratio Lower Upper

130 100

95 53.3 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): VX012885.D (-1027) (-)

Ion 94.90 (94.60 to 95.60): VX012885.D (-1027) (-)

7.22

600

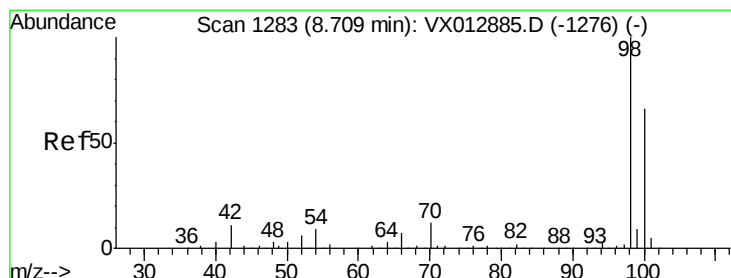
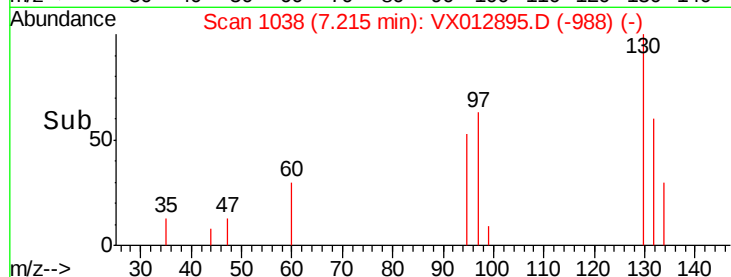
400

200

0

7.15 7.20 7.25

Time-->



#50

Toluene-d8

Concen: 52.039 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012895.D

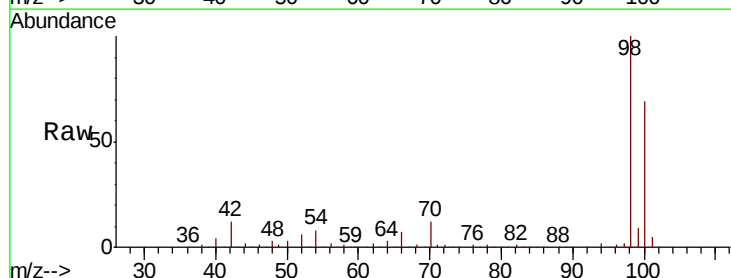
Acq: 08 Oct 2019 17:27

Tgt Ion: 98 Resp: 349878

Ion Ratio Lower Upper

98 100

100 68.0 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX012885.D (-1276) (-)

Ion 100.00 (99.70 to 100.70): VX012885.D (-1276) (-)

8.71

250000

200000

150000

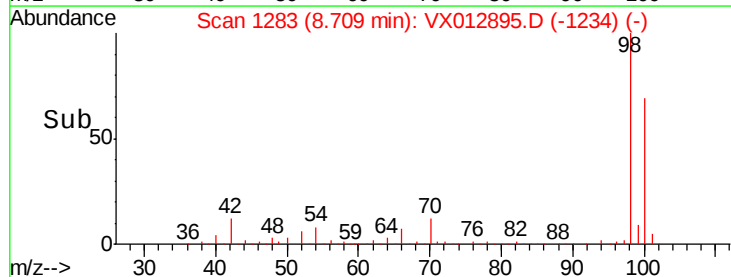
100000

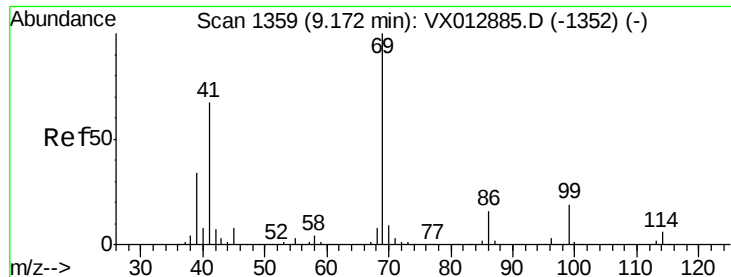
50000

0

8.60 8.70 8.80

Time-->





#56

Ethyl methacrylate

Concen: 1.837 ug/l

RT: 8.92 min Scan# 1318

Delta R.T. -0.25 min

Lab File: VX012895.D

Acq: 08 Oct 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414

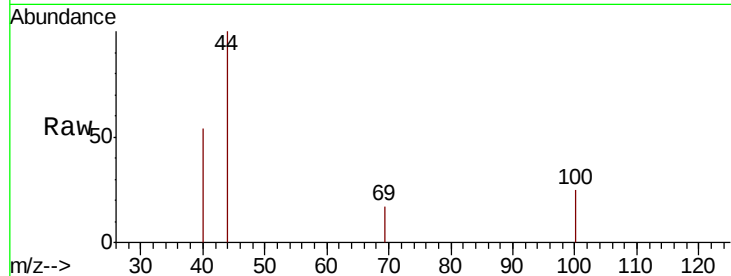
Tot Ion: 69.00 Resp: 20

Ion Ratio Lower Upper

69 100

41 0.0 52.1 78.1#

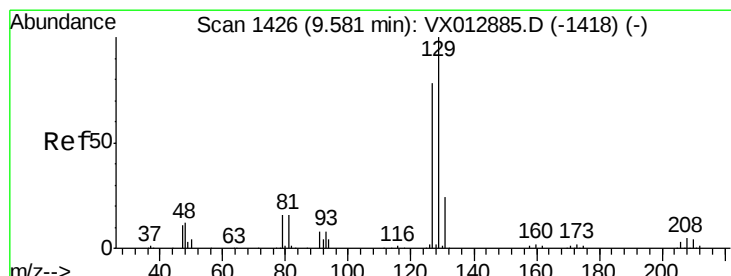
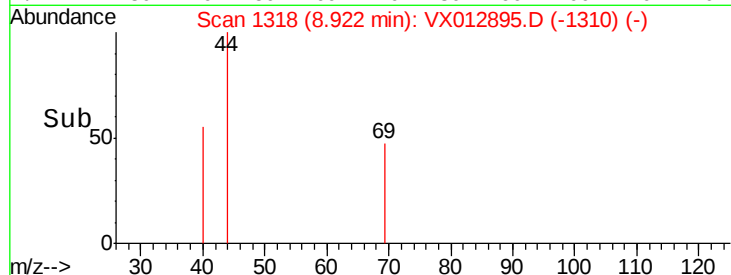
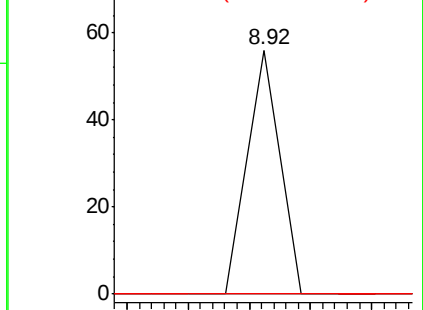
39 0.0 27.8 41.8#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#60

Dibromochloromethane

Concen: 1.903 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX012895.D

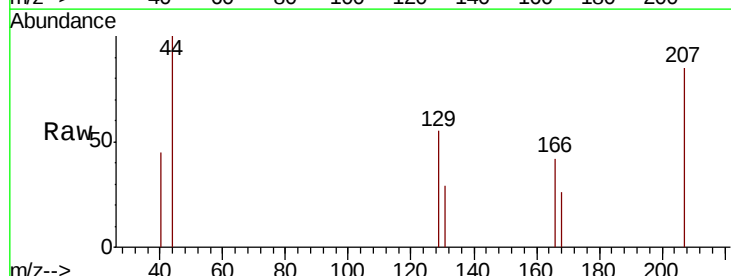
Acq: 08 Oct 2019 17:27

Tgt Ion: 129 Resp: 106

Ion Ratio Lower Upper

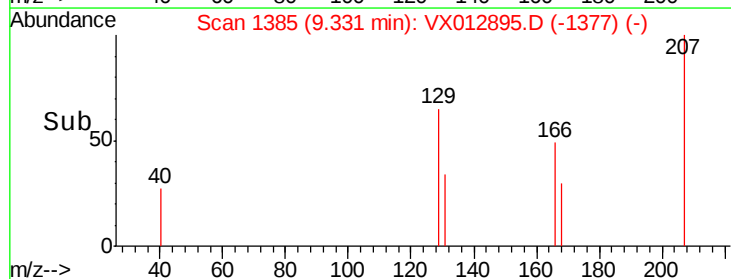
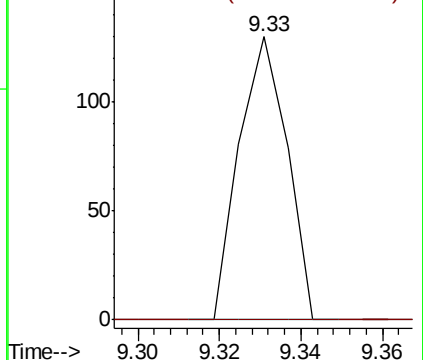
129 100

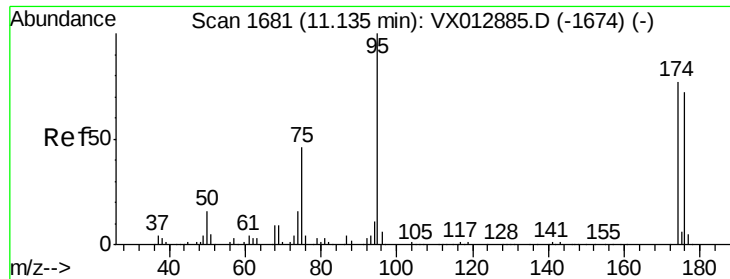
127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 150.80 (150.50 to 151.50): V





#62

4-Bromofluorobenzene

Concen: 44.514 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012895.D

Acq: 08 Oct 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414

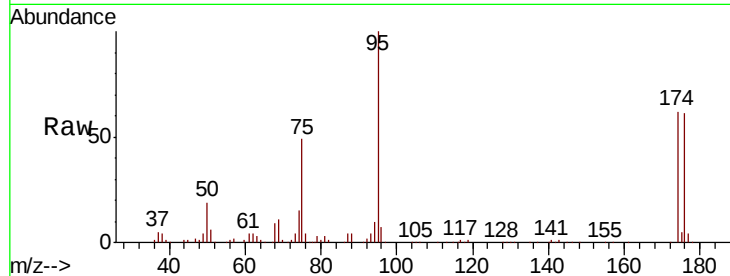
Tot Ion: 95 Resp: 116289

Ion Ratio Lower Upper

95 100

174 70.8 0.0 143.4

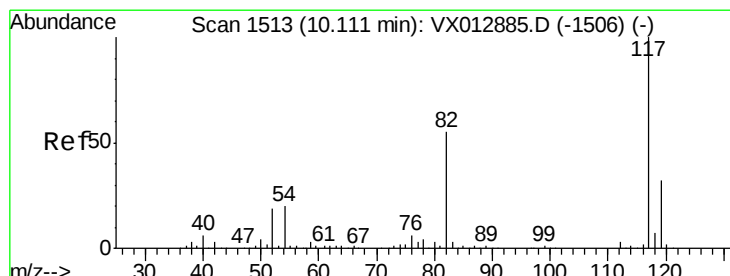
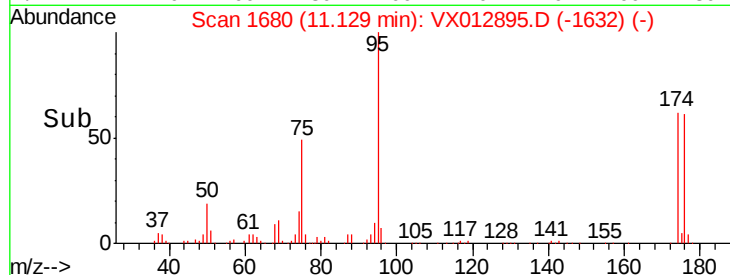
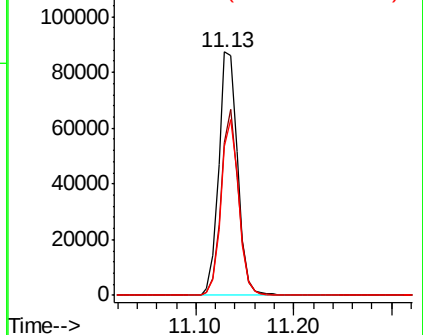
176 68.3 0.0 136.0



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: VX012895.D

Acq: 08 Oct 2019 17:27

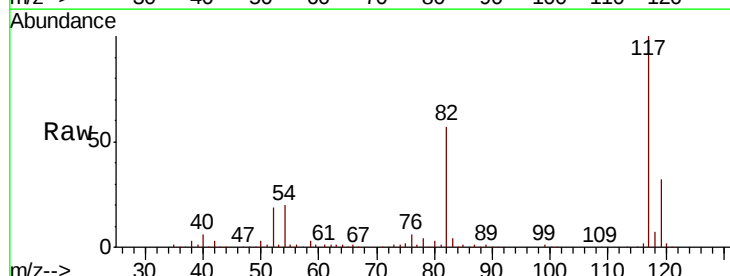
Tgt Ion: 117 Resp: 252725

Ion Ratio Lower Upper

117 100

82 56.7 44.1 66.1

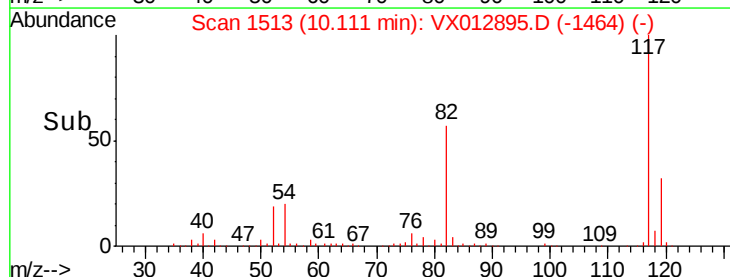
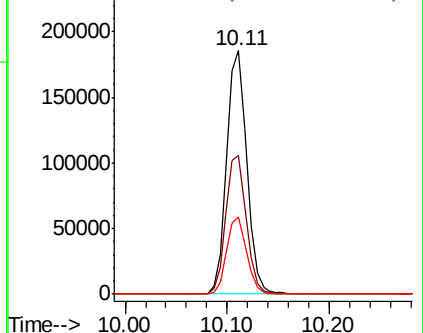
119 31.8 25.8 38.8

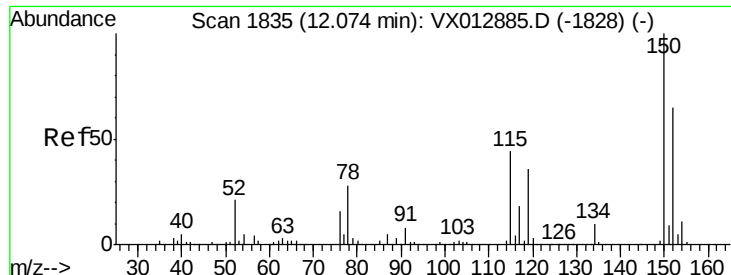


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX012895.D

Acq: 08 Oct 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414

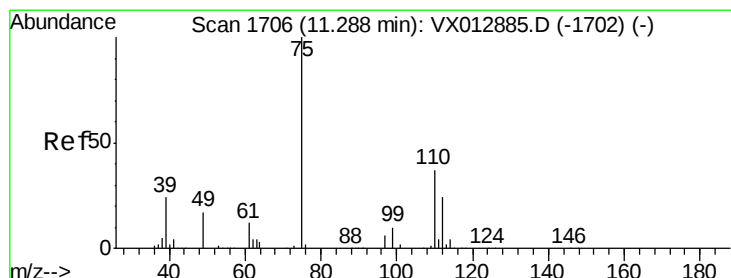
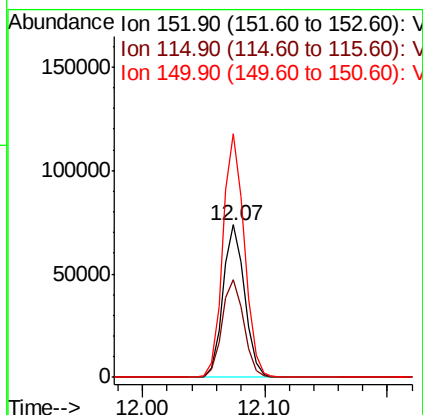
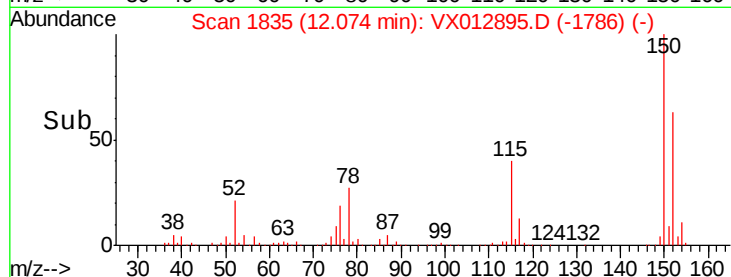
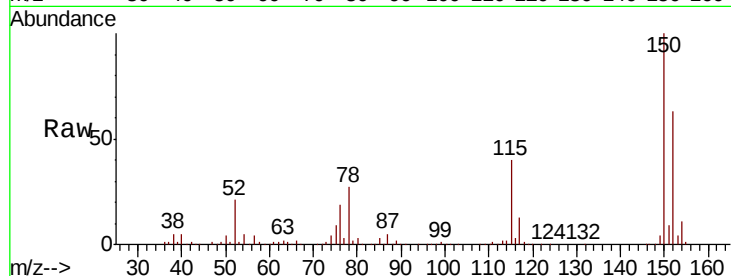
Tot Ion:152 Resp: 90102

Ion Ratio Lower Upper

152 100

115 64.9 44.5 133.5

150 159.4 0.0 353.4



#76

1,2,3-Trichloropropane

Concen: 28.519 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012895.D

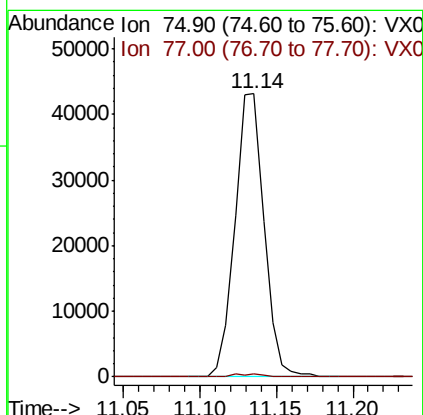
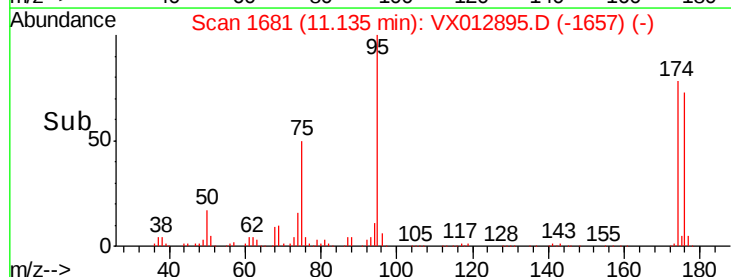
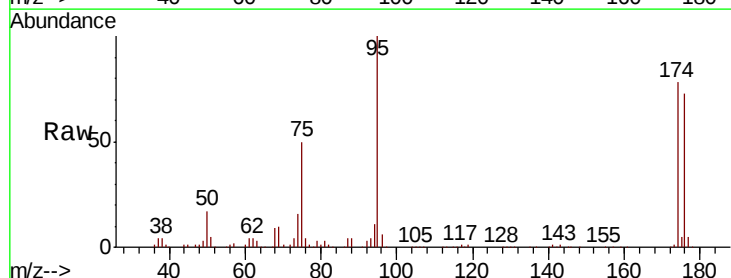
Acq: 08 Oct 2019 17:27

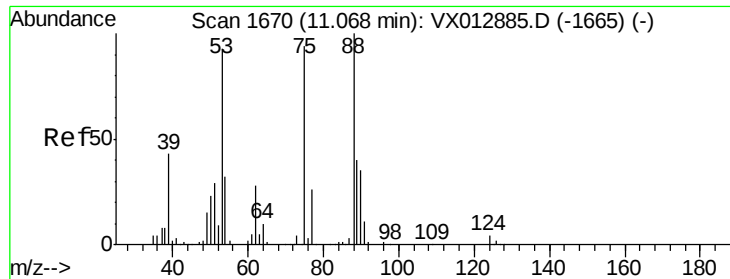
Tgt Ion: 75 Resp: 56993

Ion Ratio Lower Upper

75 100

77 1.3 22.9 68.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 71.429 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012895.D

Acq: 08 Oct 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414

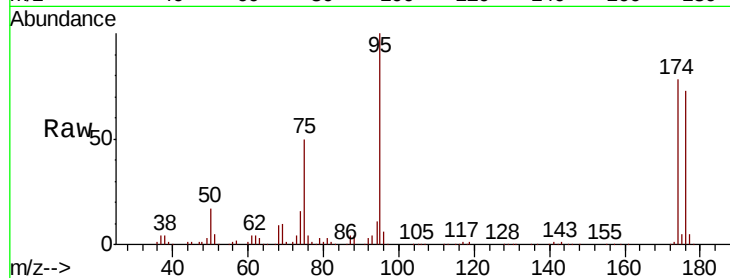
Tot Ion: 75 Resp: 56993

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

