

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012873.D
 Acq On : 08 Oct 2019 05:59
 Operator : JC/SP
 Sample : K5122-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414

Quant Time: Oct 08 11:18:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	175678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	301665	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	261969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102622	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	117815	46.05	ug/l	0.00
Spiked Amount			Recovery	=	92.10%	
35) Dibromofluoromethane	5.49	113	89364	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
50) Toluene-d8	8.71	98	358188	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
62) 4-Bromofluorobenzene	11.14	95	123825	45.52	ug/l	0.00
Spiked Amount			Recovery	=	91.04%	

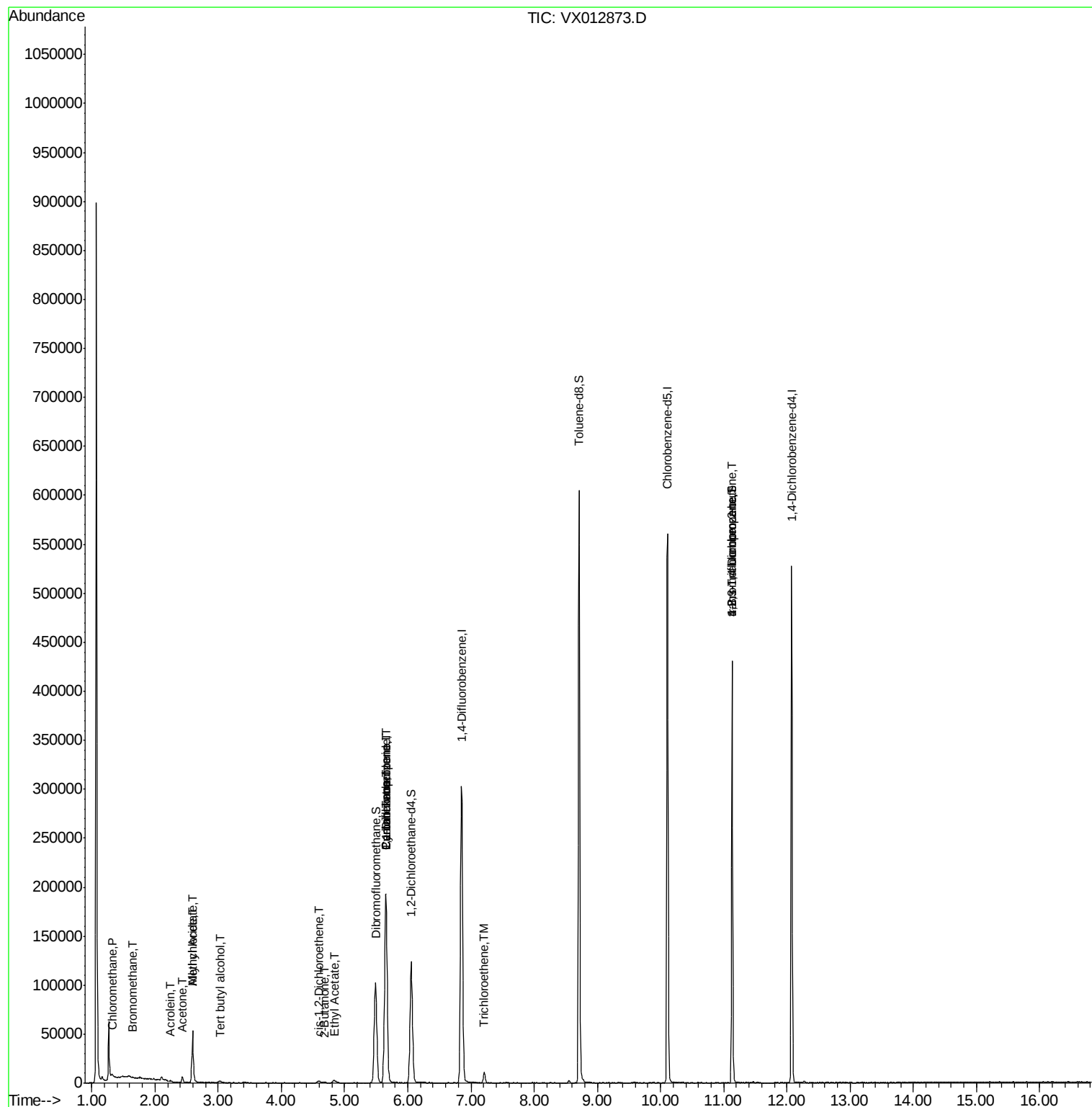
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	968	0.427	ug/l	97
5) Bromomethane	1.65	94	284	0.320	ug/l #	72
11) Tert butyl alcohol	3.03	59	1985	3.106	ug/l #	90
13) Acrolein	2.25	56	44	10.351	ug/l #	1
14) Allyl chloride	2.59	41	5233	1.396	ug/l #	66
16) Acetone	2.44	43	6000	4.428	ug/l	89
18) Methyl Acetate	2.59	43	13022	4.081	ug/l #	54
25) 2-Butanone	4.68	43	429	0.221	ug/l #	51
27) cis-1,2-Dichloroethene	4.59	96	1187	0.489	ug/l	98
31) Cyclohexane	5.66	56	4032	1.132	ug/l #	25
36) 1,1-Dichloropropene	5.65	75	14401	4.953	ug/l #	52
37) Ethyl Acetate	4.83	43	5136	1.511	ug/l #	90
38) Carbon Tetrachloride	5.65	117	18452	6.247	ug/l #	17
44) Trichloroethene	7.21	130	4219	1.929	ug/l	81
76) 1,2,3-Trichloropropane	11.14	75	62014	22.845	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	62014	65.467	ug/l #	8

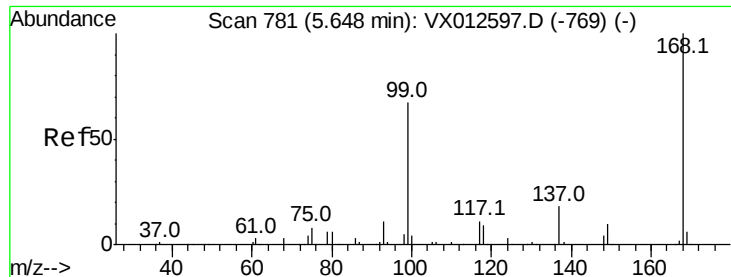
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012873.D

Acq: 08 Oct 2019 05:59

Instrument :

MSVOA_X

ClientSampleId :

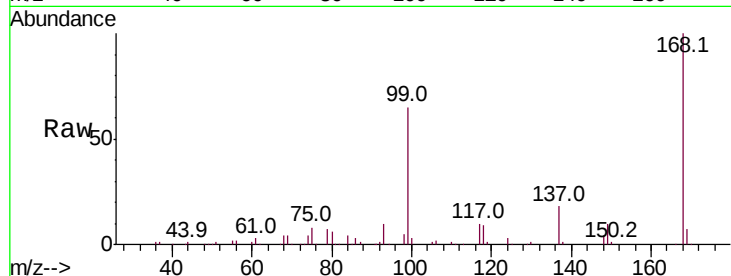
FA19-MMW3414

Tot Ion:168 Resp: 175678

Ion Ratio Lower Upper

168 100

99 65.3 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

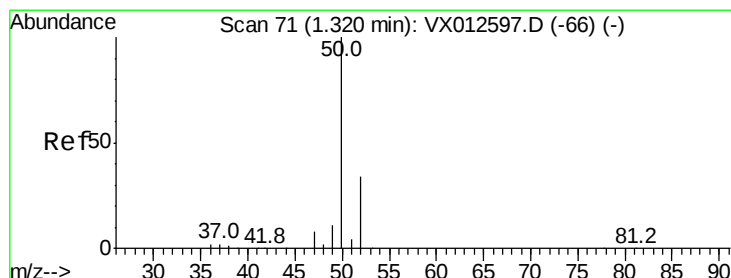
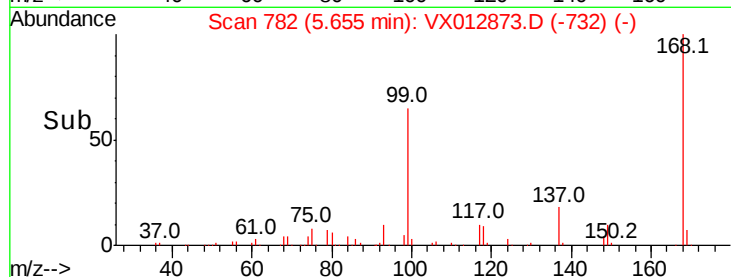
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.427 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012873.D

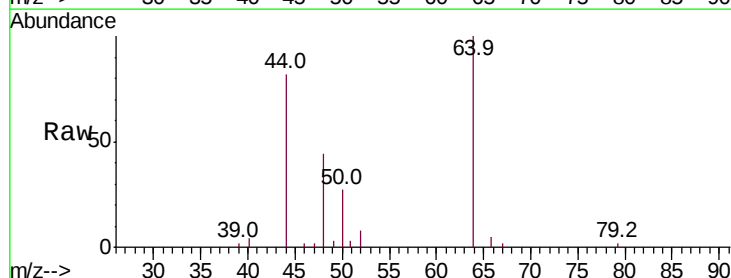
Acq: 08 Oct 2019 05:59

Tgt Ion: 50 Resp: 968

Ion Ratio Lower Upper

50 100

52 30.5 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

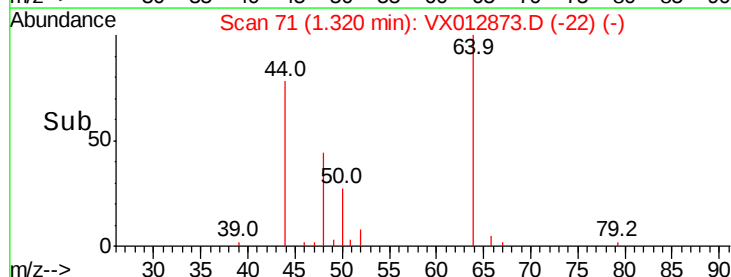
600

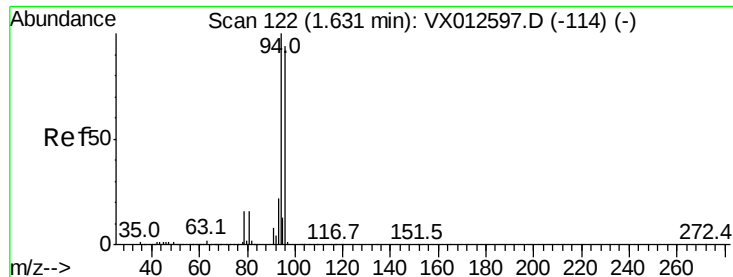
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.320 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012873.D

Acq: 08 Oct 2019 05:59

Instrument :

MSVOA_X

ClientSampleId :

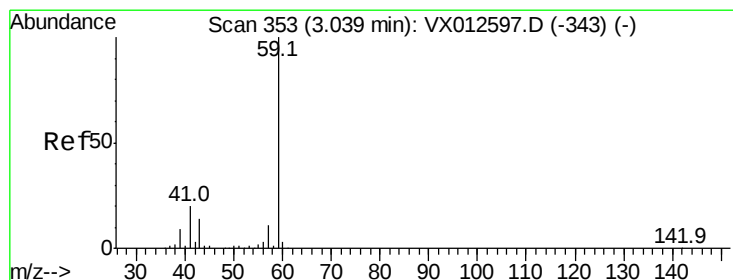
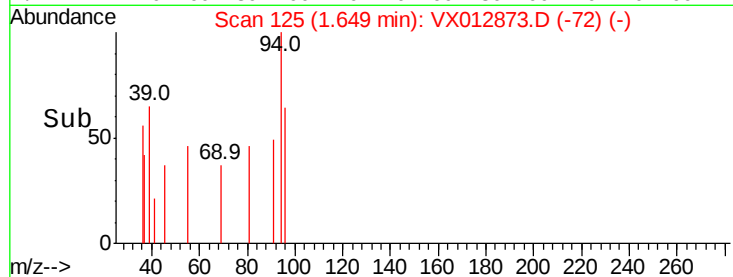
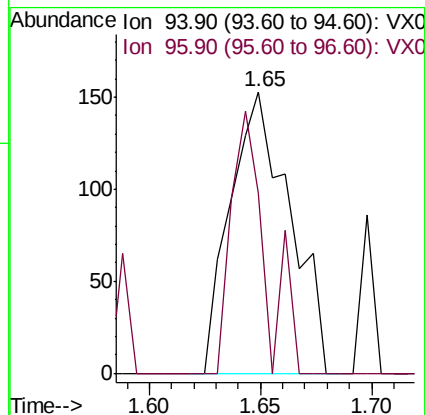
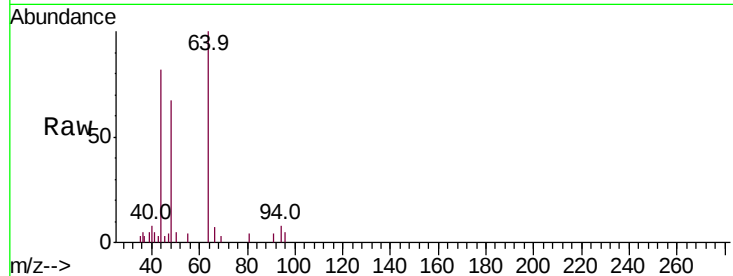
FA19-MMW3414

Tot Ion: 94 Resp: 284

Ion Ratio Lower Upper

94 100

96 64.1 72.8 109.2#



#11

Tert butyl alcohol

Concen: 3.106 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX012873.D

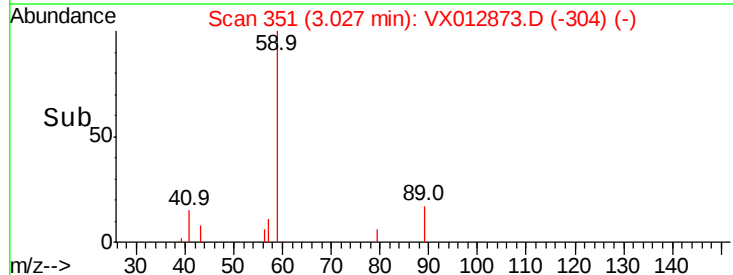
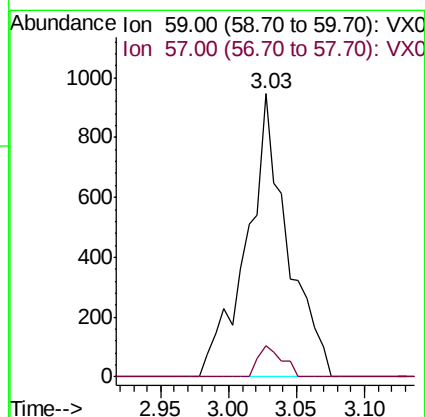
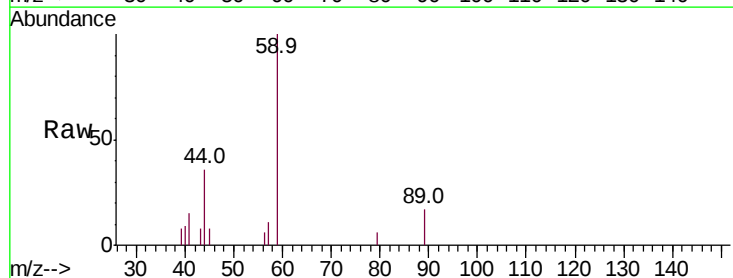
Acq: 08 Oct 2019 05:59

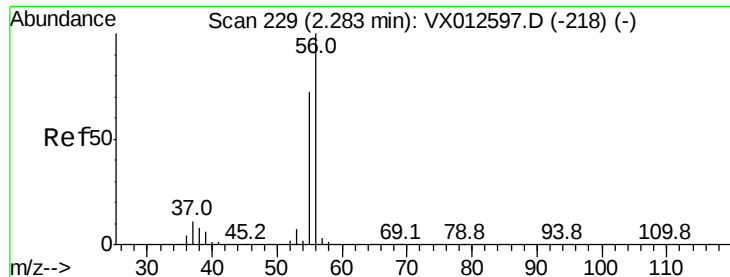
Tgt Ion: 59 Resp: 1985

Ion Ratio Lower Upper

59 100

57 6.6 8.3 12.5#





#13

Acrolein

Concen: 10.351 ug/l

RT: 2.25 min Scan# 223

Delta R.T. -0.04 min

Lab File: VX012873.D

Acq: 08 Oct 2019 05:59

Instrument :

MSVOA_X

ClientSampleId :

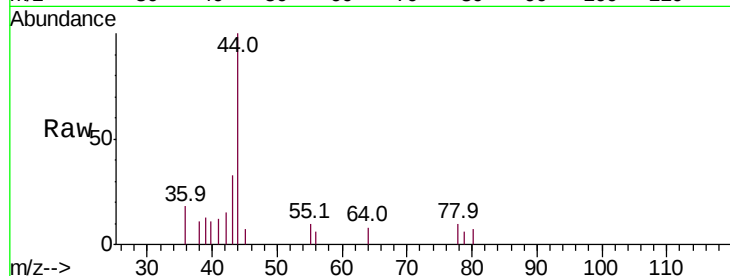
FA19-MMW3414

Tot Ion: 56 Resp: 44

Ion Ratio Lower Upper

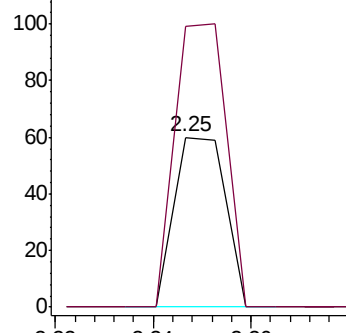
56 100

55 165.9 55.8 83.8#

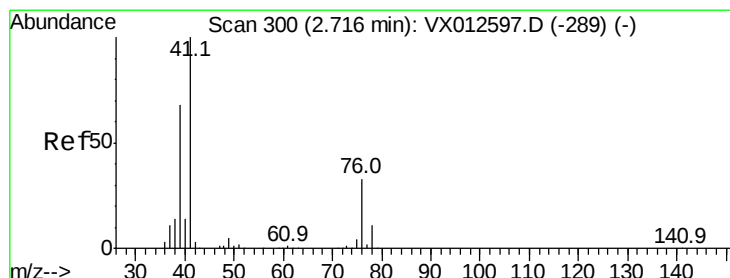
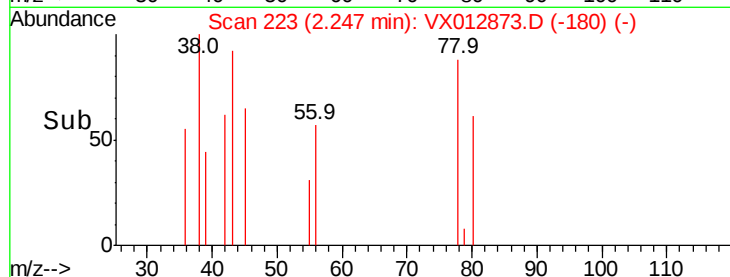


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time--> 2.22 2.24 2.26



#14

Allyl chloride

Concen: 1.396 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.12 min

Lab File: VX012873.D

Acq: 08 Oct 2019 05:59

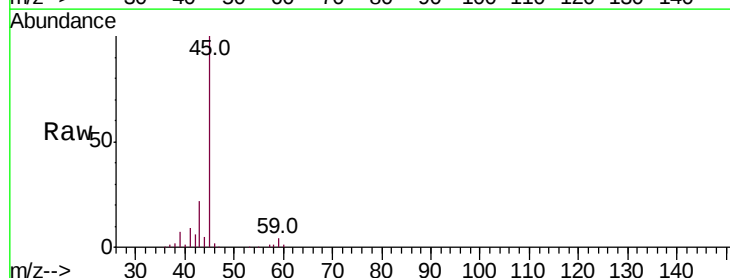
Tgt Ion: 41 Resp: 5233

Ion Ratio Lower Upper

41 100

39 84.5 51.3 76.9#

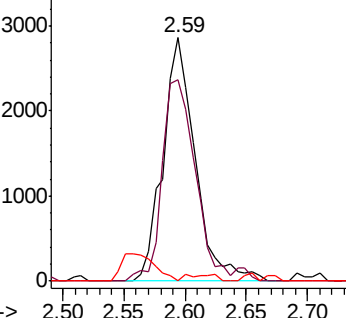
76 0.0 22.6 33.8#



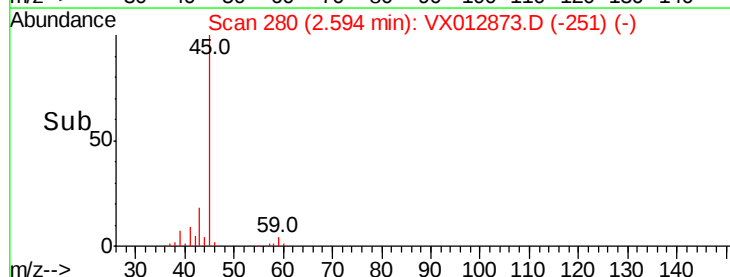
Abundance Ion 41.00 (40.70 to 41.70): VX0

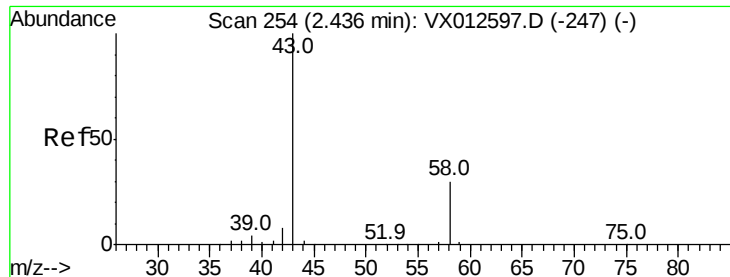
Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



Time--> 2.50 2.55 2.60 2.65 2.70





#16

Acetone

Concen: 4.428 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012873.D

Acq: 08 Oct 2019 05:59

Instrument :

MSVOA_X

ClientSampleId :

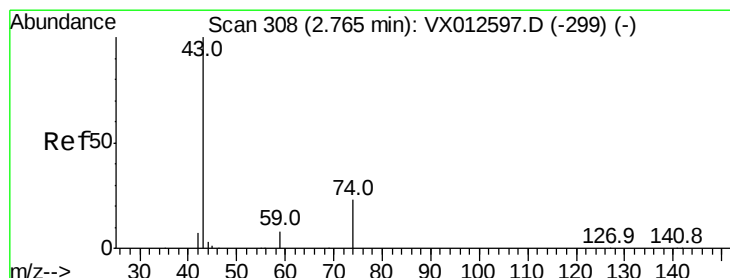
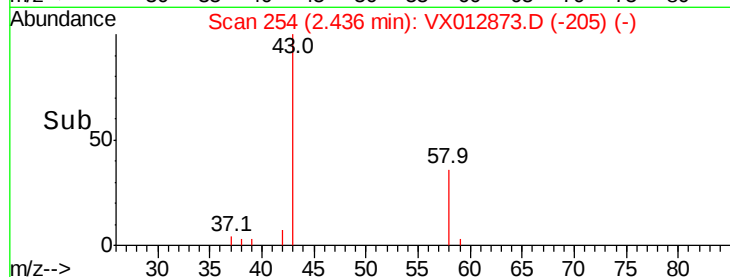
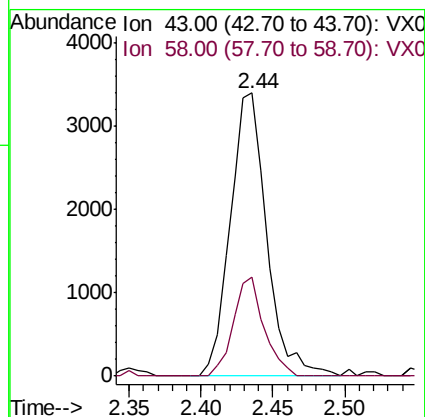
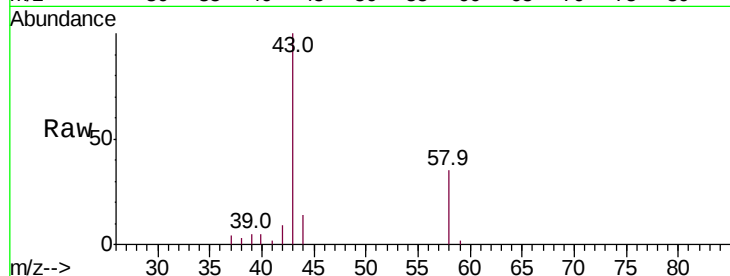
FA19-MMW3414

Tot Ion: 43 Resp: 6000

Ion Ratio Lower Upper

43 100

58 34.9 23.3 34.9



#18

Methyl Acetate

Concen: 4.081 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012873.D

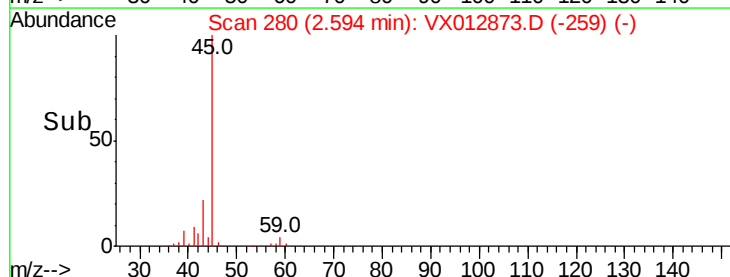
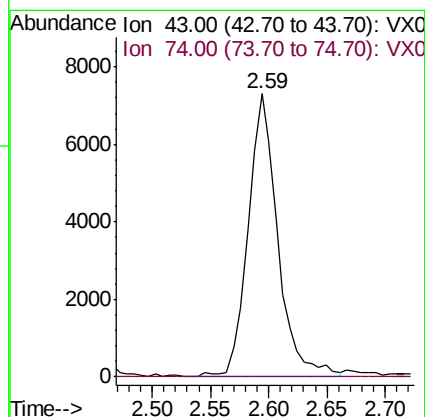
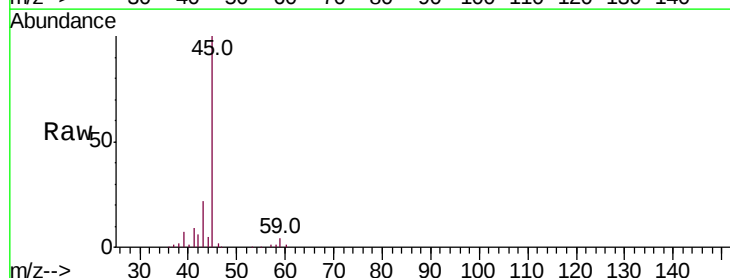
Acq: 08 Oct 2019 05:59

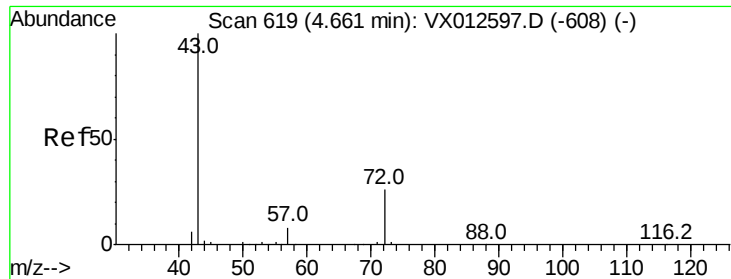
Tgt Ion: 43 Resp: 13022

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#





#25

2-Butanone

Concen: 0.221 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX012873.D

Acq: 08 Oct 2019 05:59

Instrument :

MSVOA_X

ClientSampleId :

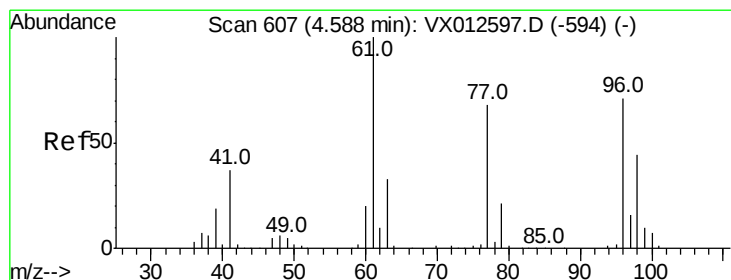
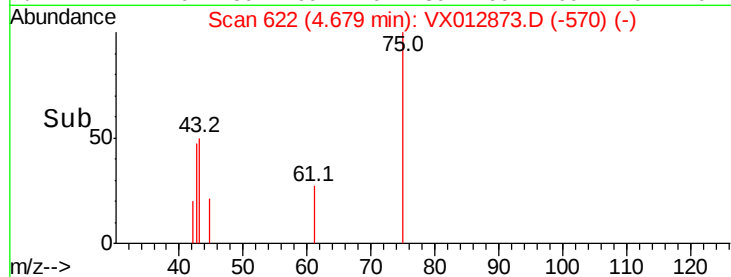
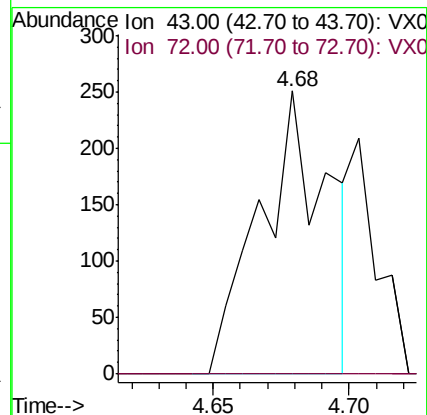
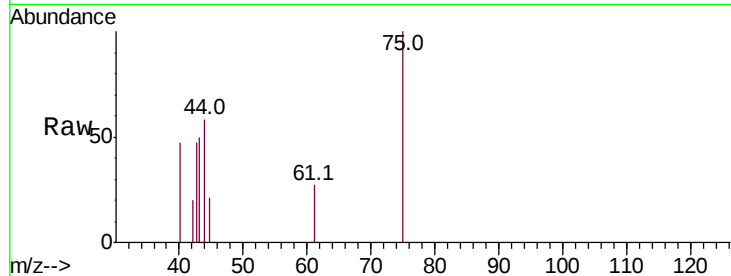
FA19-MMW3414

Tot Ion: 43 Resp: 429

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#



#27

cis-1,2-Dichloroethene

Concen: 0.489 ug/l

RT: 4.59 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX012873.D

Acq: 08 Oct 2019 05:59

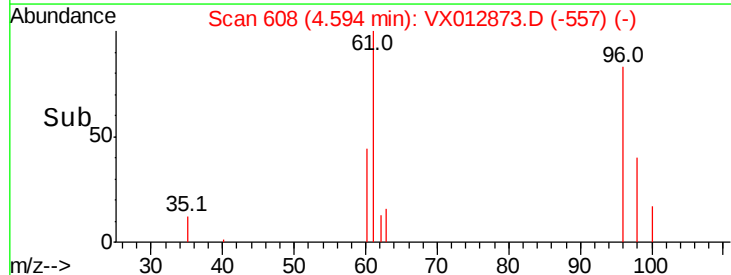
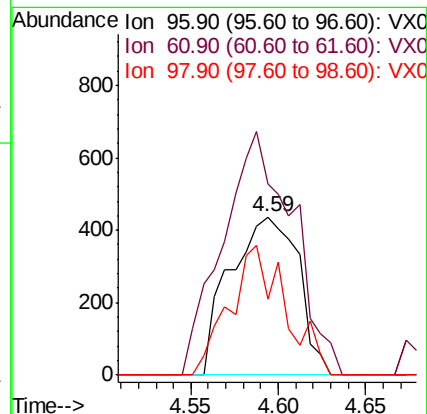
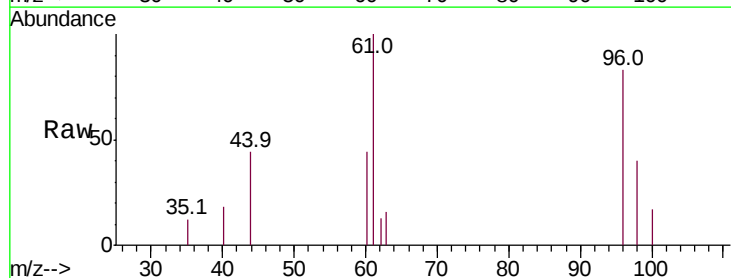
Tgt Ion: 96 Resp: 1187

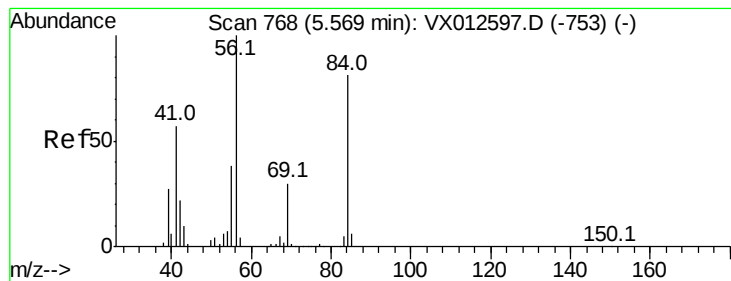
Ion Ratio Lower Upper

96 100

61 157.5 0.0 319.4

98 66.9 0.0 130.6





#31

Cyclohexane

Concen: 1.132 ug/l

RT: 5.66 min Scan# 783

Delta R.T. 0.09 min

Lab File: VX012873.D

Acq: 08 Oct 2019 05:59

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414

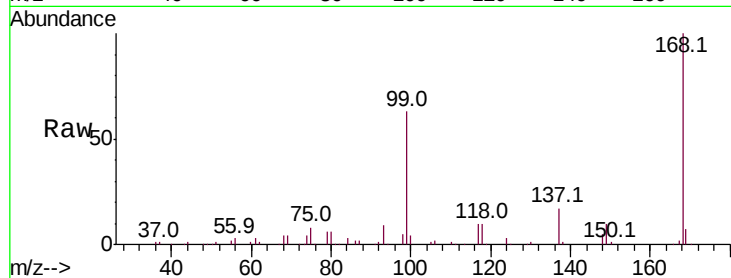
Tot Ion: 56 Resp: 4032

Ion Ratio Lower Upper

56 100

69 142.3 25.0 37.6#

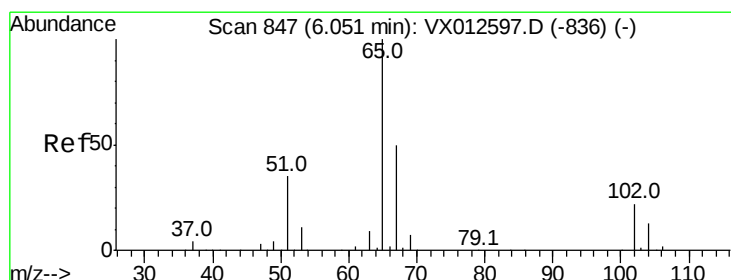
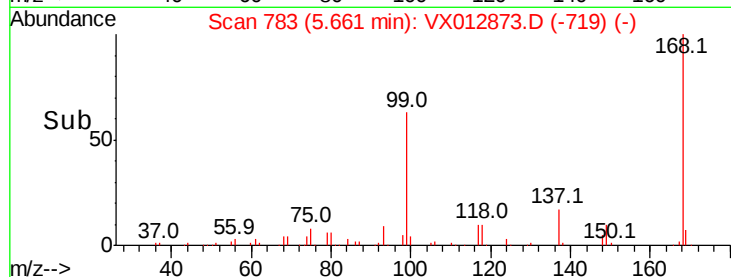
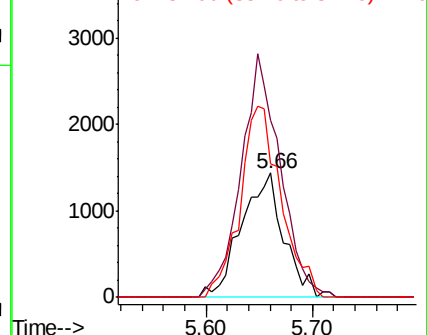
84 107.4 66.4 99.6#



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: 46.054 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012873.D

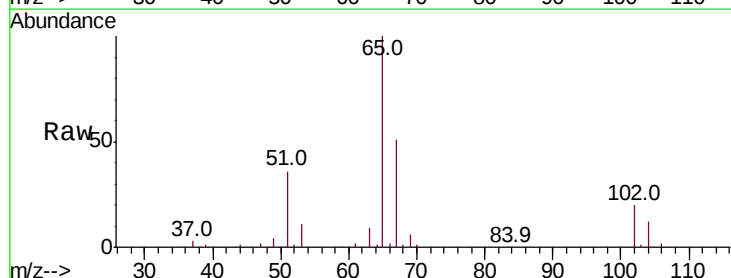
Acq: 08 Oct 2019 05:59

Tgt Ion: 65 Resp: 117815

Ion Ratio Lower Upper

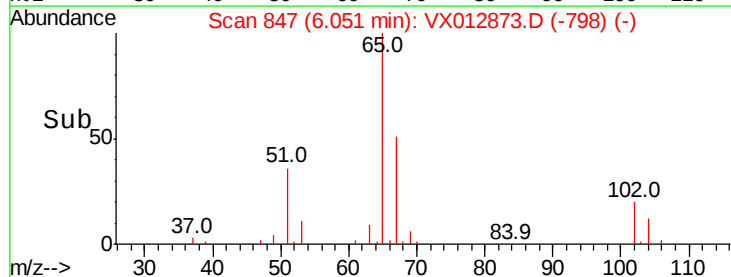
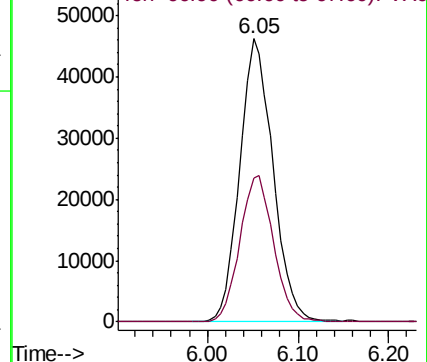
65 100

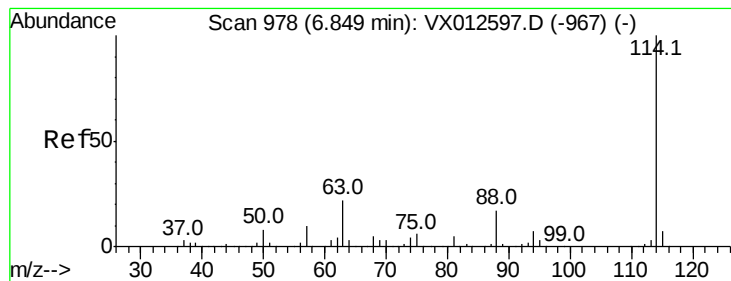
67 52.5 0.0 101.2



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: VX012873.D

Acq: 08 Oct 2019 05:59

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW3414

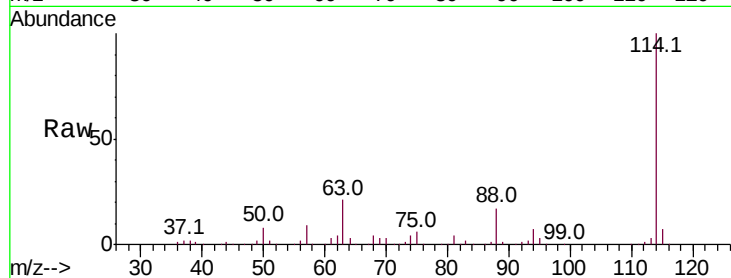
Tot Ion:114 Resp: 301665

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.2

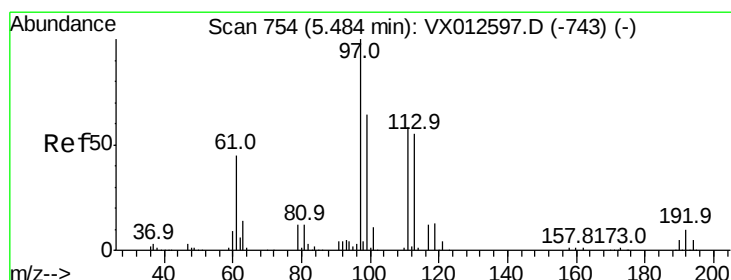
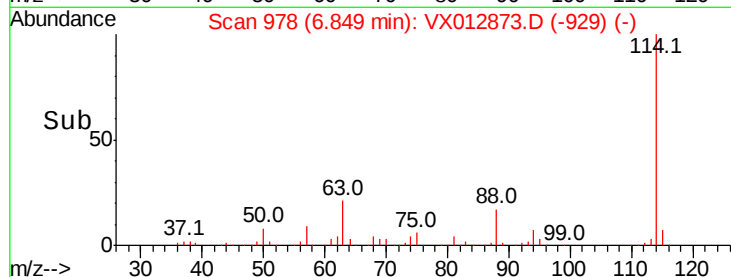
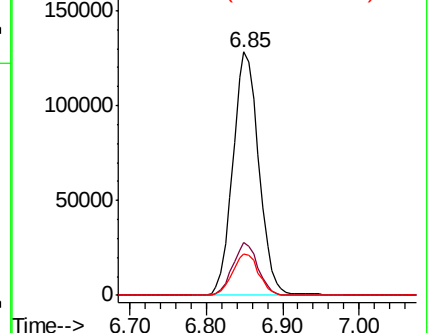
88 17.2 0.0 33.2



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: 49.742 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012873.D

Acq: 08 Oct 2019 05:59

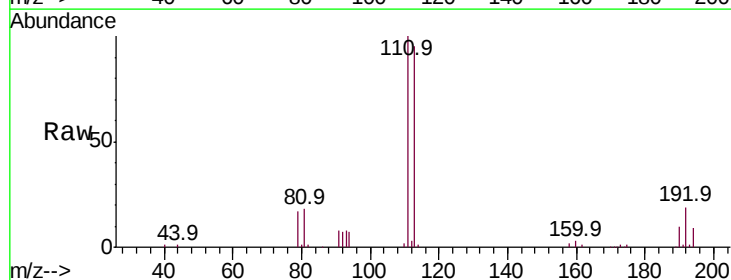
Tgt Ion:113 Resp: 89364

Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.2

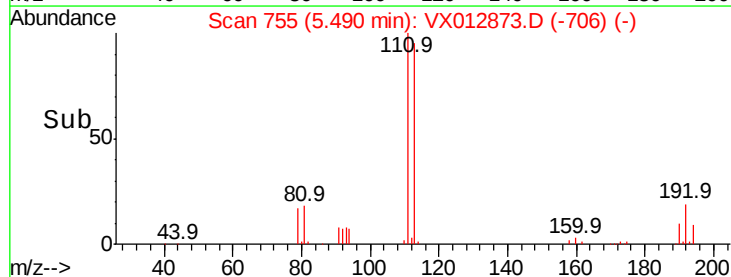
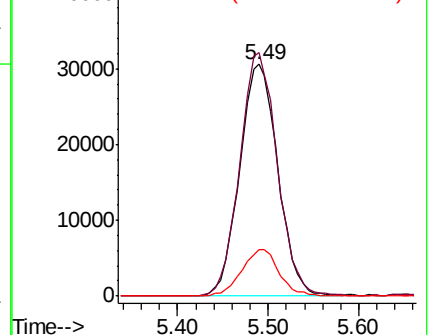
192 19.5 14.4 21.6

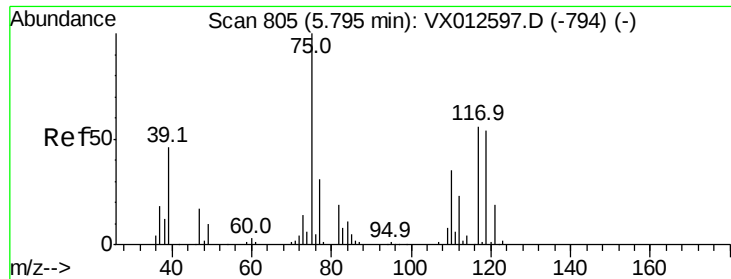


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

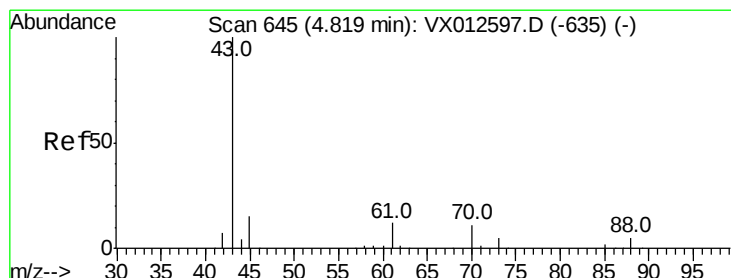
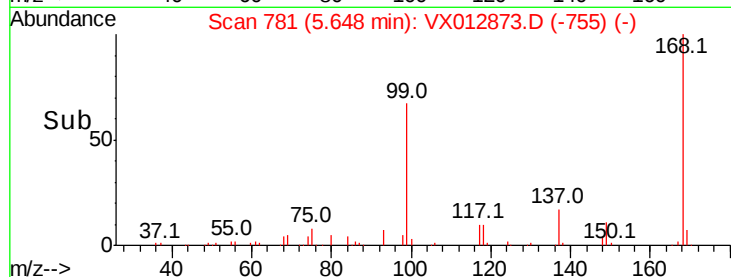
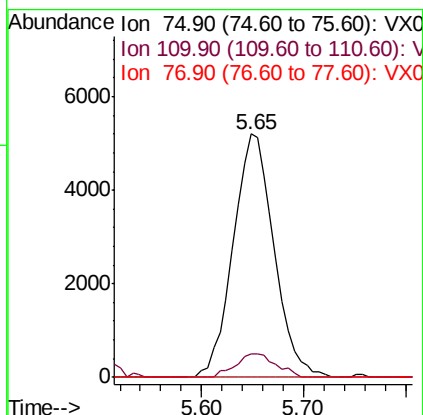
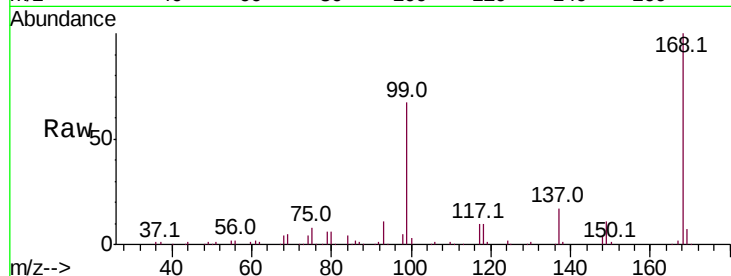




#36
 1,1-Dichloropropene
 Concen: 4.953 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012873.D
 Acq: 08 Oct 2019 05:59

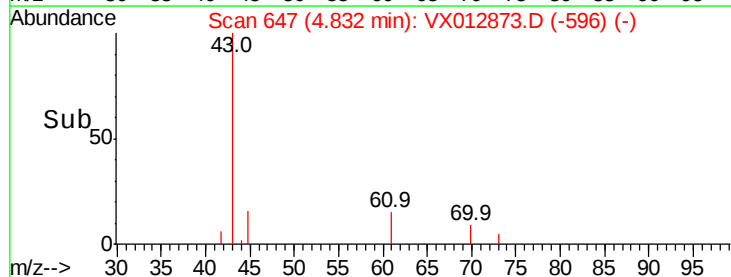
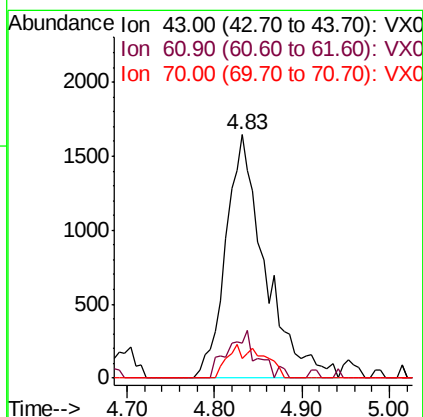
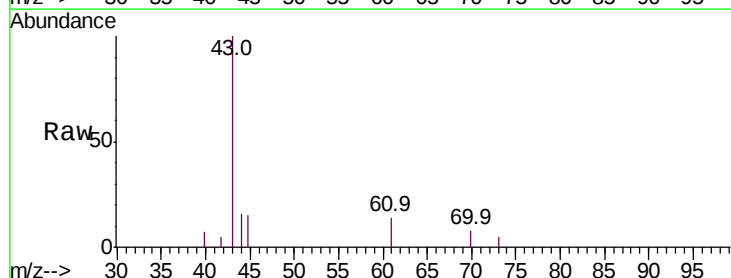
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414

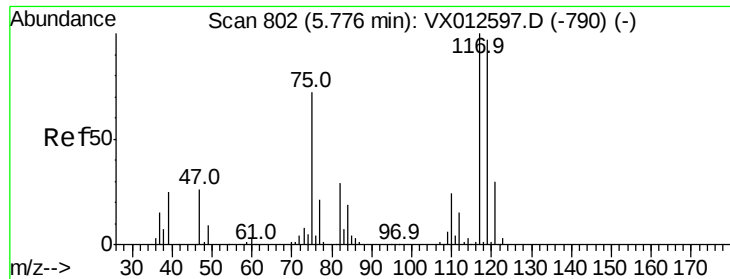
Tot Ion: 75 Resp: 14401
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.7 50.0#
 77 0.0 24.2 36.2#



#37
 Ethyl Acetate
 Concen: 1.511 ug/l
 RT: 4.83 min Scan# 647
 Delta R.T. 0.01 min
 Lab File: VX012873.D
 Acq: 08 Oct 2019 05:59

Tgt Ion: 43 Resp: 5136
 Ion Ratio Lower Upper
 43 100
 61 15.1 10.2 15.4
 70 5.3 8.7 13.1#

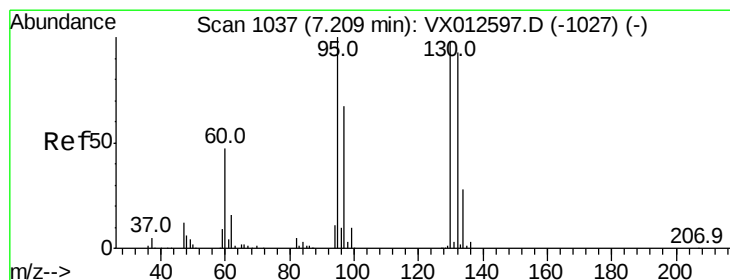
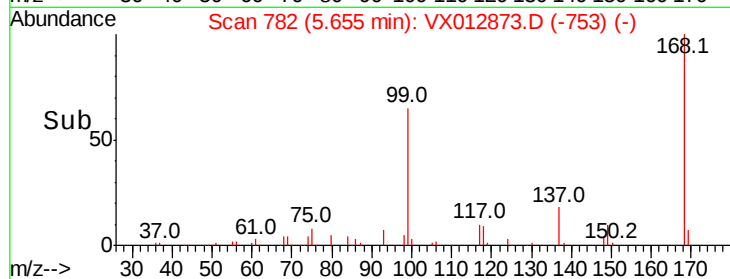
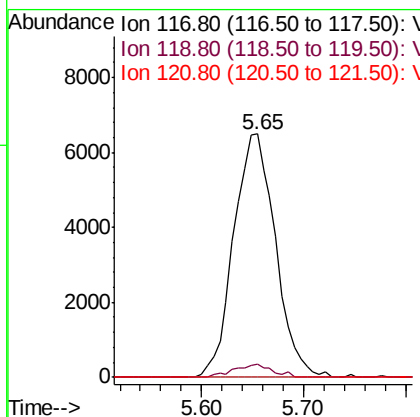
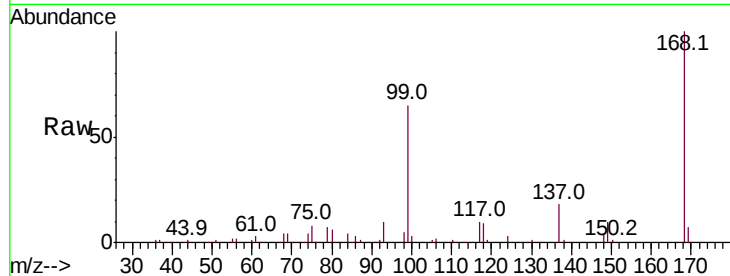




#38
 Carbon Tetrachloride
 Concen: 6.247 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012873.D
 Acq: 08 Oct 2019 05:59

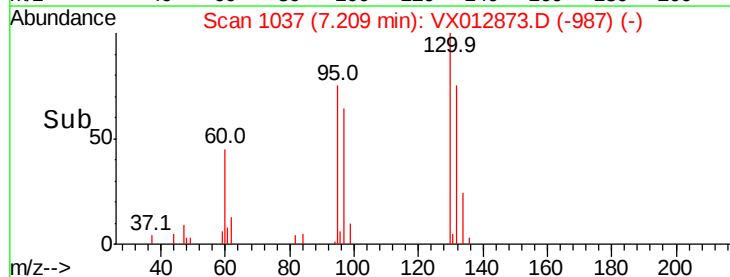
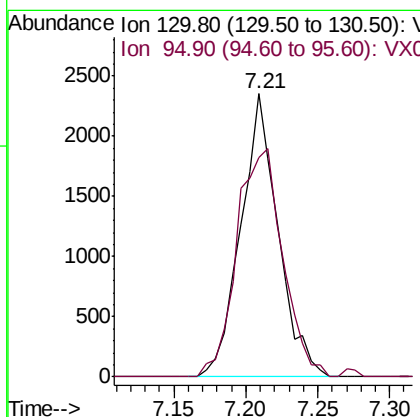
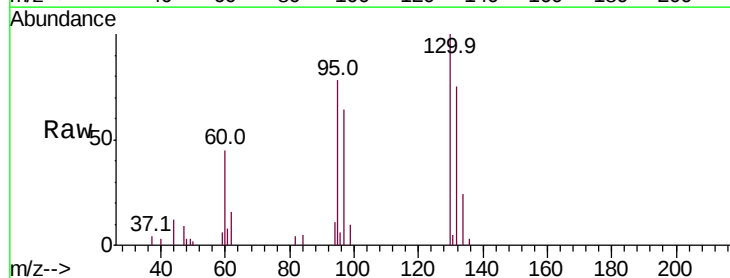
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414

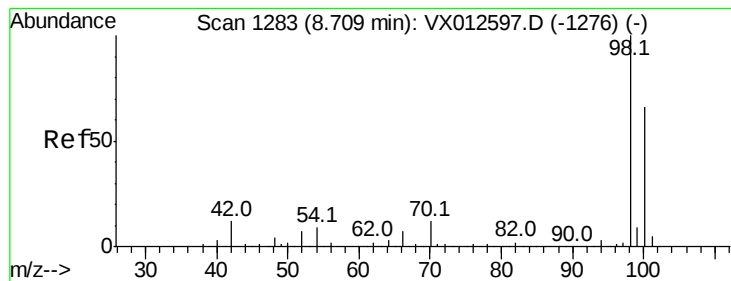
Tot Ion:117 Resp: 18452
 Ion Ratio Lower Upper
 117 100
 119 5.4 75.7 113.5#
 121 0.0 24.2 36.4#



#44
 Trichloroethene
 Concen: 1.929 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012873.D
 Acq: 08 Oct 2019 05:59

Tgt Ion:130 Resp: 4219
 Ion Ratio Lower Upper
 130 100
 95 77.6 0.0 193.0





#50

Toluene-d8

Concen: 51.772 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012873.D

Acq: 08 Oct 2019 05:59

Instrument :

MSVOA_X

ClientSampleId :

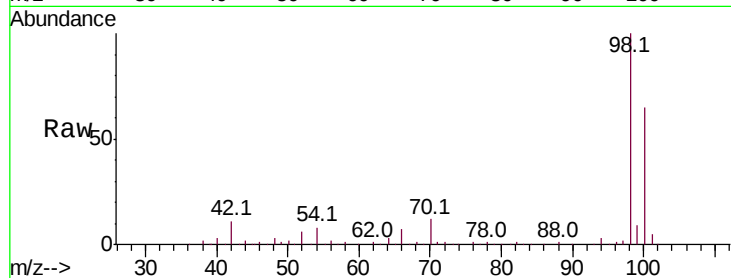
FA19-MMW3414

Tot Ion: 98 Resp: 358188

Ion Ratio Lower Upper

98 100

100 66.6 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

250000

200000

150000

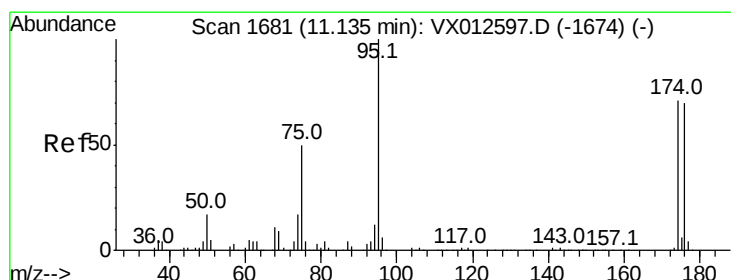
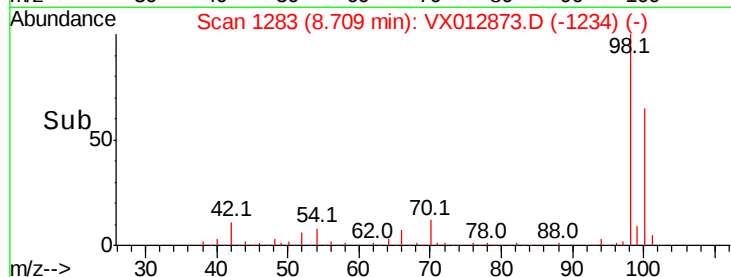
100000

50000

0

Time-->

8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: 45.517 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012873.D

Acq: 08 Oct 2019 05:59

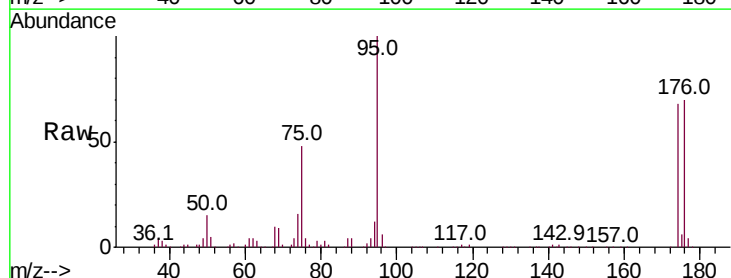
Tgt Ion: 95 Resp: 123825

Ion Ratio Lower Upper

95 100

174 69.9 0.0 140.0

176 68.2 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

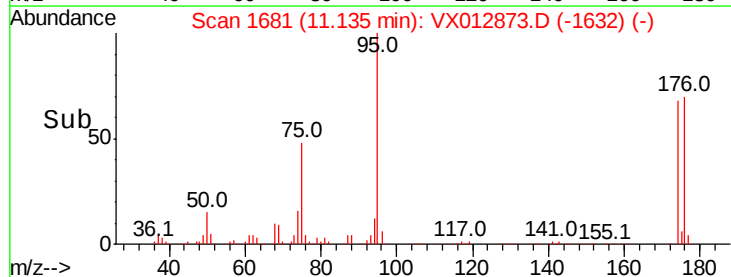
40000

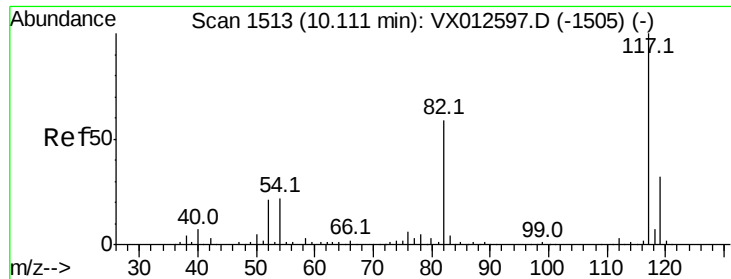
20000

0

Time-->

11.05 11.10 11.15 11.20

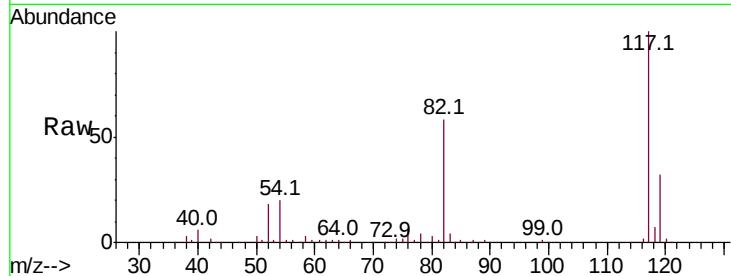




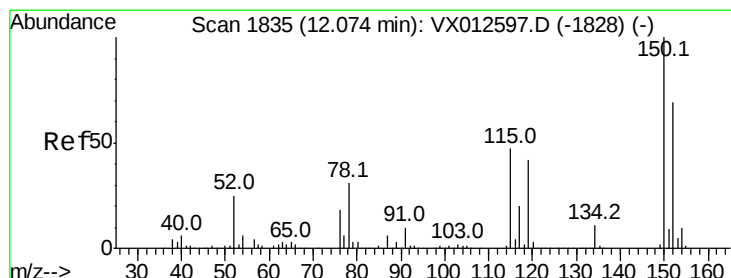
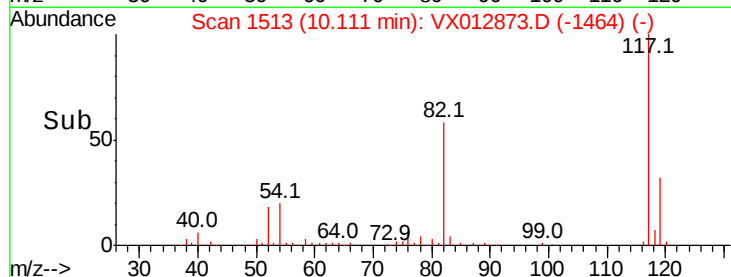
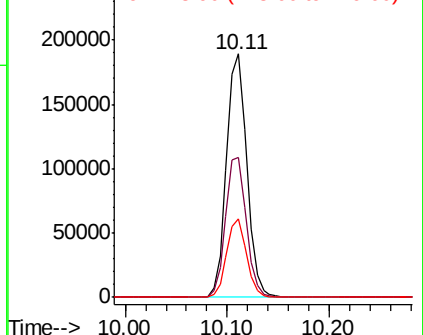
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012873.D
Acq: 08 Oct 2019 05:59

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW3414

Tot Ion:117 Resp: 261969
Ion Ratio Lower Upper
117 100
82 57.5 45.9 68.9
119 32.0 25.3 37.9

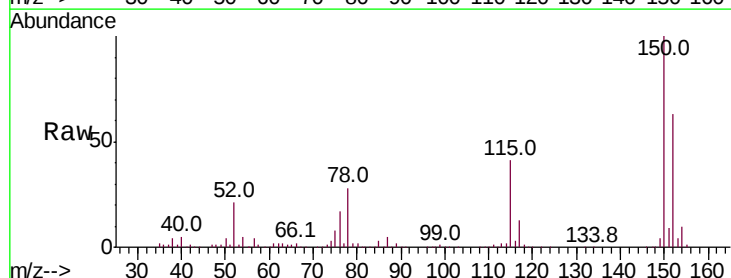


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

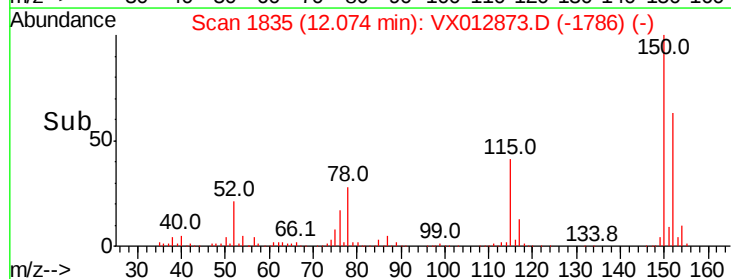
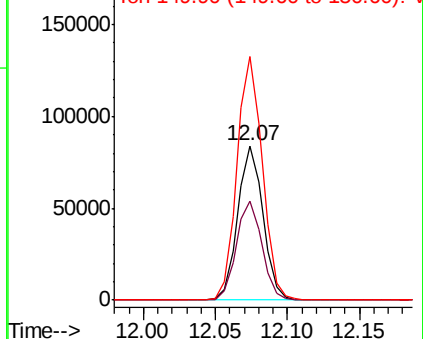


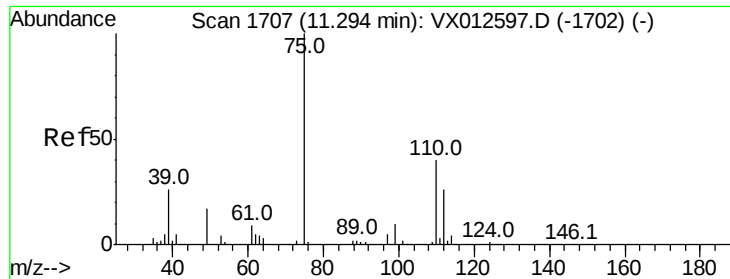
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012873.D
Acq: 08 Oct 2019 05:59

Tgt Ion:152 Resp: 102622
Ion Ratio Lower Upper
152 100
115 64.8 44.1 132.3
150 158.8 0.0 343.8



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: 22.845 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012873.D

Acq: 08 Oct 2019 05:59

Instrument :

MSVOA_X

ClientSampleId :

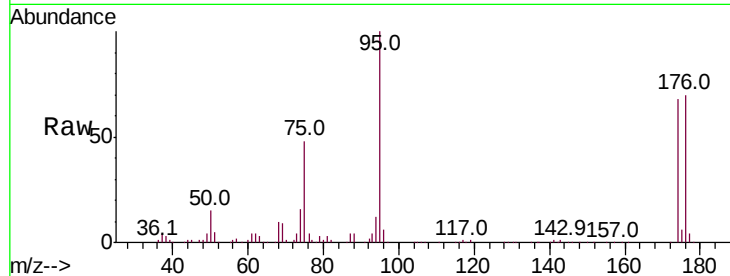
FA19-MMW3414

Tot Ion: 75 Resp: 62014

Ion Ratio Lower Upper

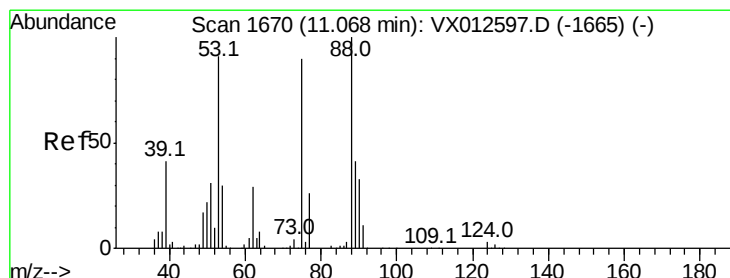
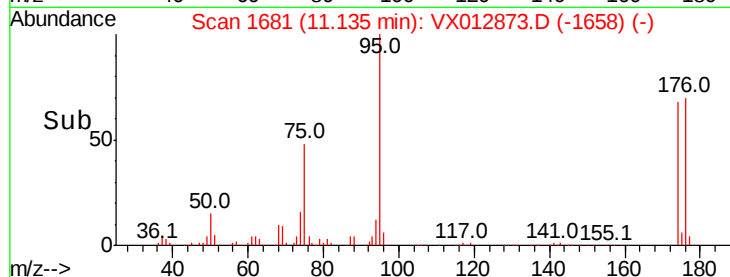
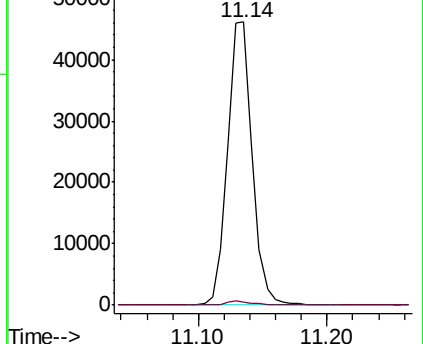
75 100

77 1.4 19.7 59.0#



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: 65.467 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012873.D

Acq: 08 Oct 2019 05:59

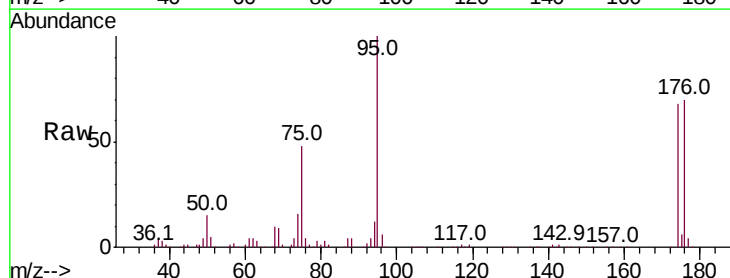
Tgt Ion: 75 Resp: 62014

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#



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

