

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX093019\
 Data File : VX012719.D
 Acq On : 30 Sep 2019 20:36
 Operator : JC/SP
 Sample : K5081-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW126S-20190926

Quant Time: Oct 01 03:50:47 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	166191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	287781	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	89516	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	117223	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
35) Dibromofluoromethane	5.49	113	87025	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
50) Toluene-d8	8.71	98	336186	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	11.14	95	112376	43.30	ug/l	0.00
Spiked Amount			Recovery	=	86.60%	

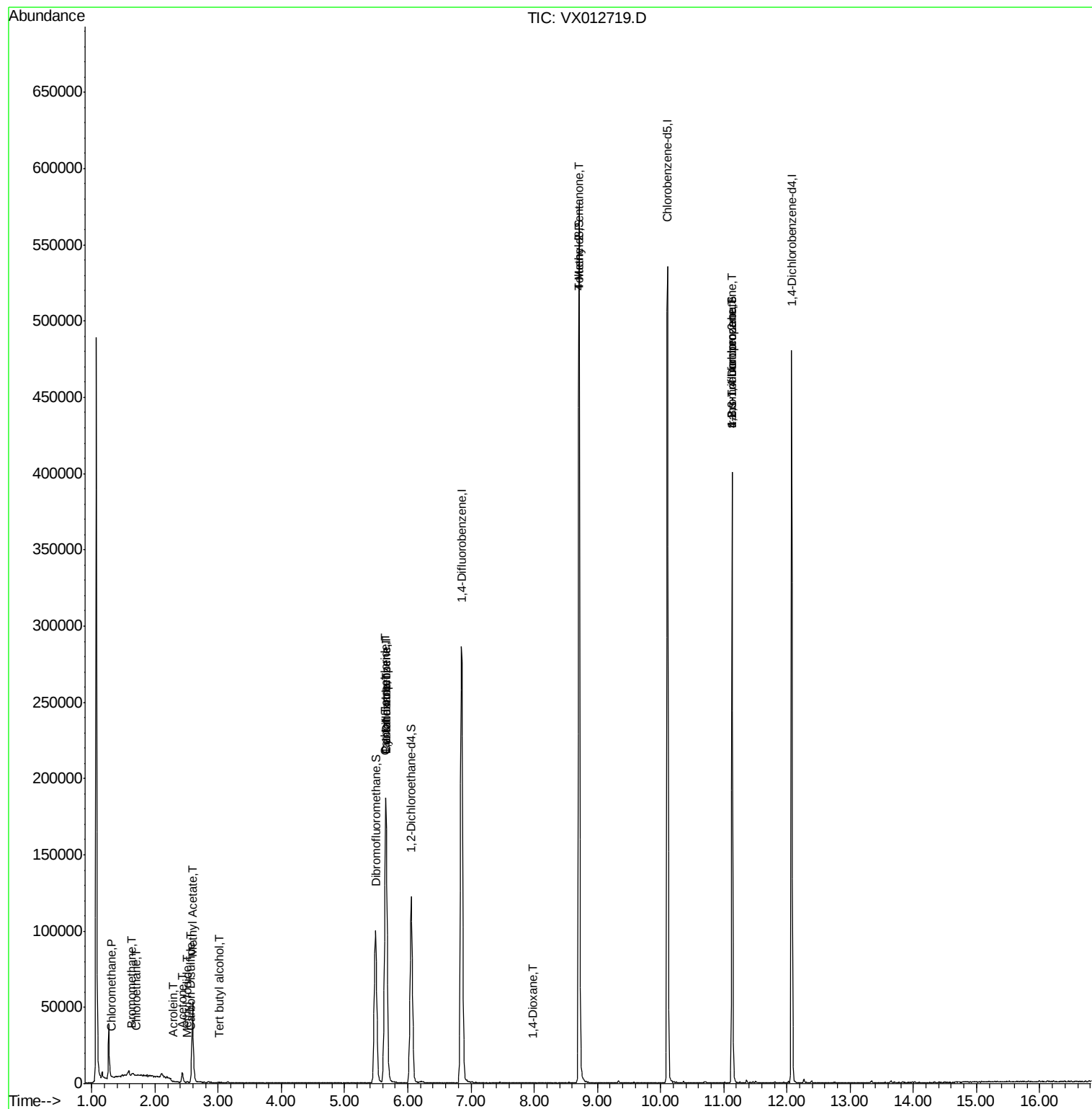
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	535	0.249	ug/l #	64
5) Bromomethane	1.64	94	517	0.616	ug/l	99
6) Chloroethane	1.72	64	397	0.276	ug/l #	45
10) Methyl Iodide	2.51	142	371	5.127	ug/l #	91
11) Tert butyl alcohol	3.02	59	551	0.911	ug/l #	82
13) Acrolein	2.28	56	131	10.606	ug/l #	15
16) Acetone	2.44	43	7097	5.536	ug/l	94
17) Carbon Disulfide	2.56	76	1514	0.302	ug/l	97
18) Methyl Acetate	2.59	43	14073	4.662	ug/l #	54
31) Cyclohexane	5.65	56	4278	1.270	ug/l #	19
36) 1,1-Dichloropropene	5.65	75	13657	4.923	ug/l #	51
38) Carbon Tetrachloride	5.64	117	18262	6.481	ug/l #	16
49) 1,4-Dioxane	7.97	88	20	0.339	ug/l #	1
51) 4-Methyl-2-Pentanone	8.71	43	1573	0.470	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	56157	23.716	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	56157	67.964	ug/l #	8

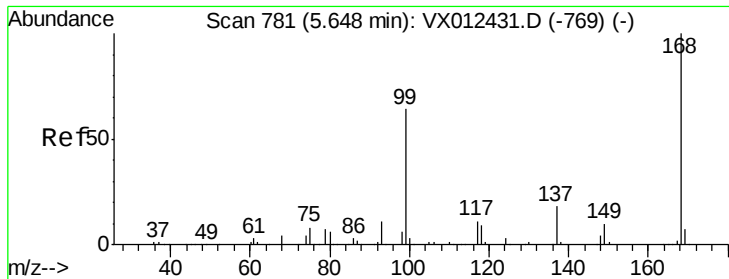
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012719.D

Acq: 30 Sep 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

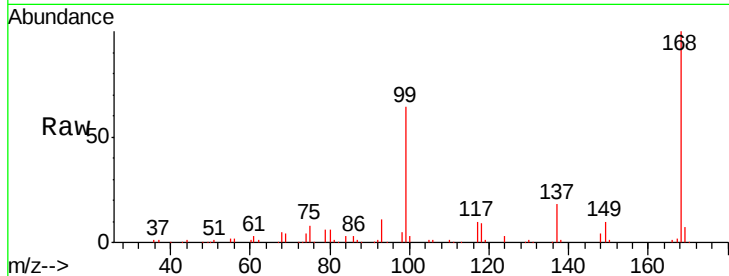
SA-MW126S-20190926

Tgt Ion:168 Resp: 166191

Ion Ratio Lower Upper

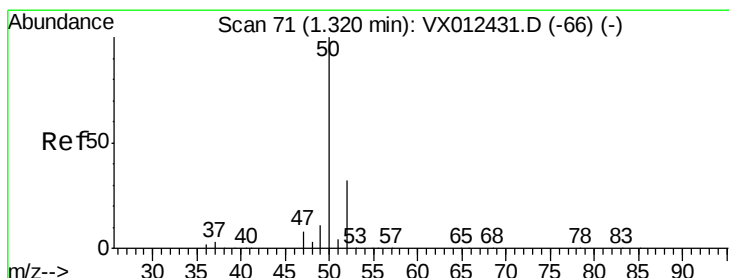
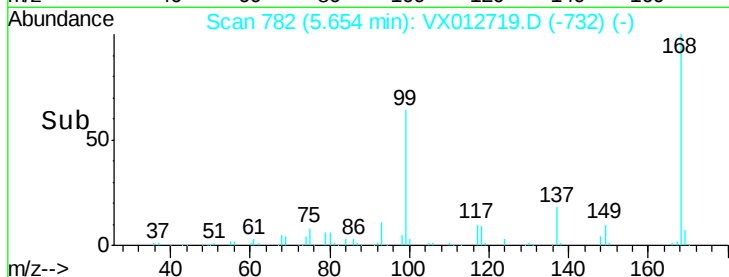
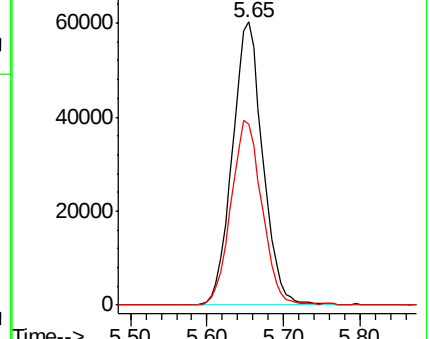
168 100

99 63.9 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.249 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012719.D

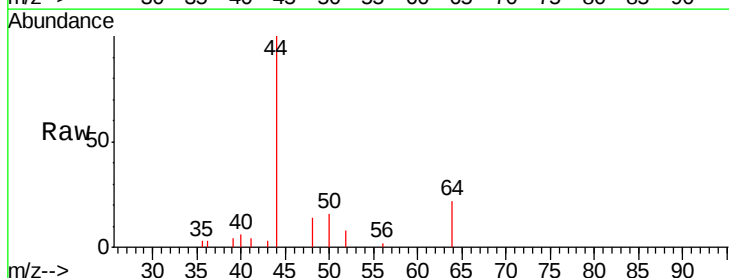
Acq: 30 Sep 2019 20:36

Tgt Ion: 50 Resp: 535

Ion Ratio Lower Upper

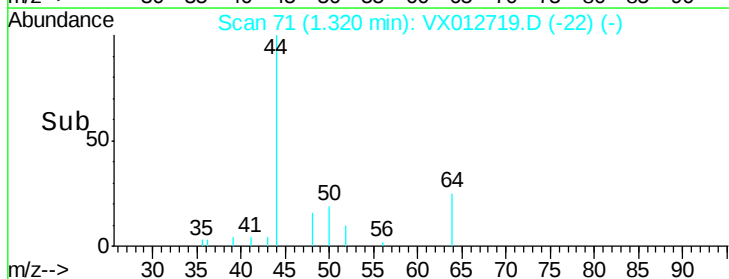
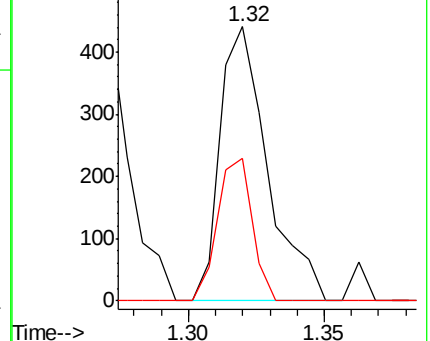
50 100

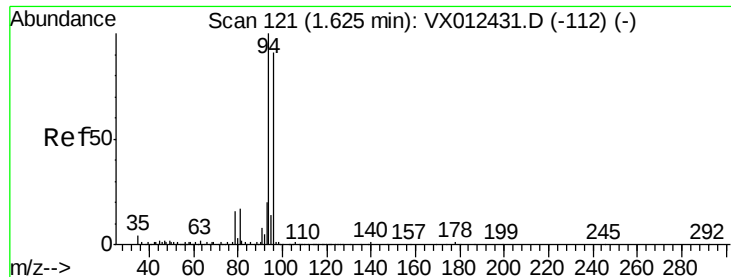
52 52.2 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.616 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012719.D

Acq: 30 Sep 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

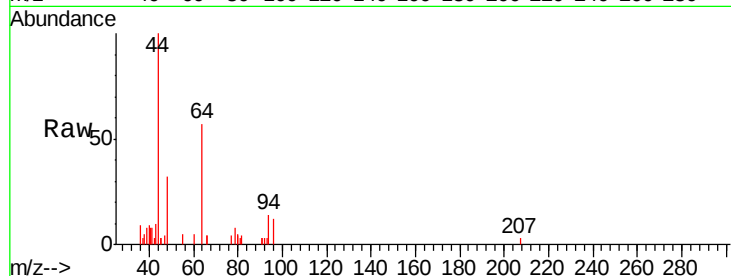
SA-MW126S-20190926

Tgt Ion: 94 Resp: 517

Ion Ratio Lower Upper

94 100

96 90.0 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

150

100

50

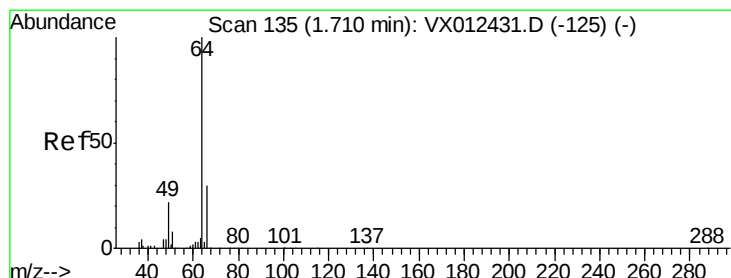
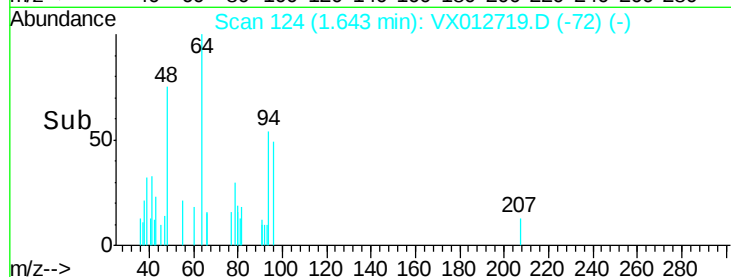
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: 0.276 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012719.D

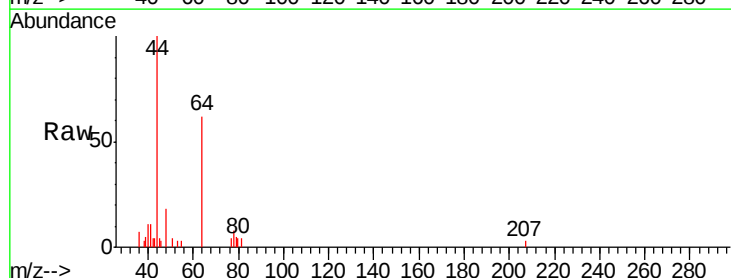
Acq: 30 Sep 2019 20:36

Tgt Ion: 64 Resp: 397

Ion Ratio Lower Upper

64 100

66 0.0 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1500

1000

500

0

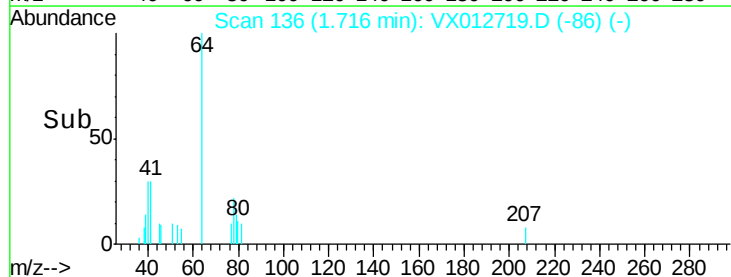
1.68

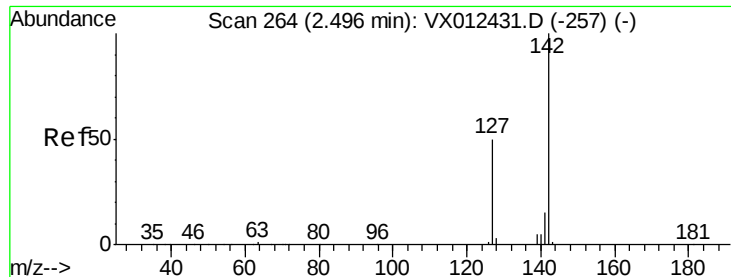
1.70

1.72

1.74

Time-->

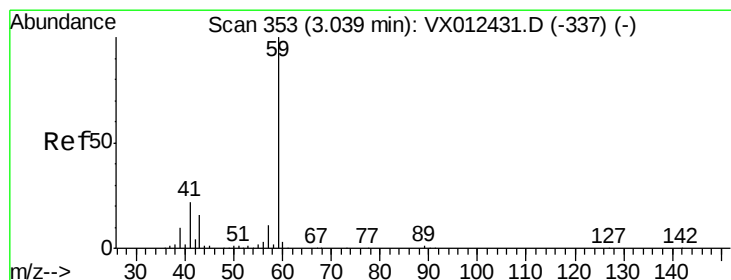
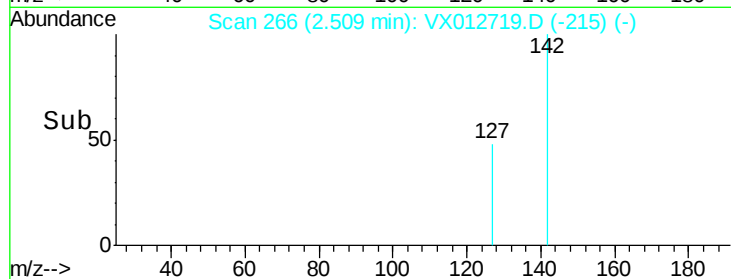
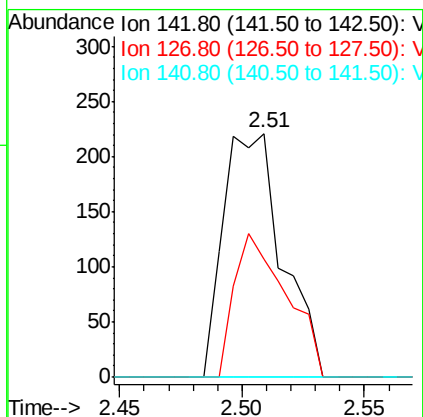
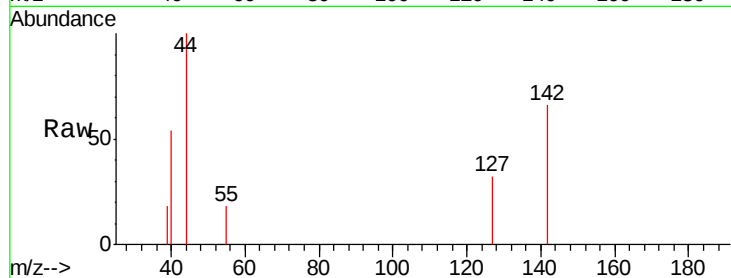




#10
Methyl Iodide
Concen: 5.127 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012719.D
Acq: 30 Sep 2019 20:36

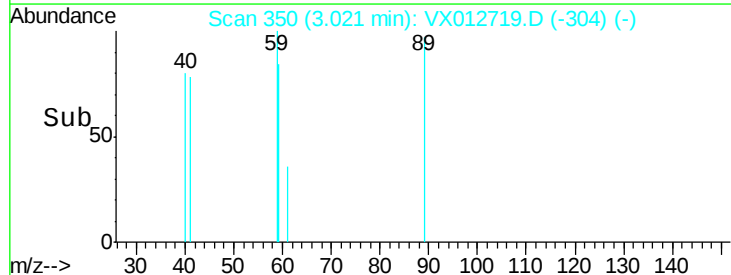
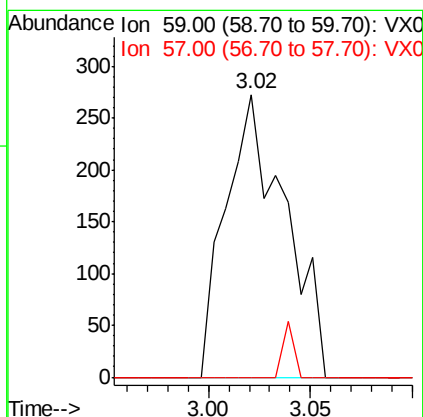
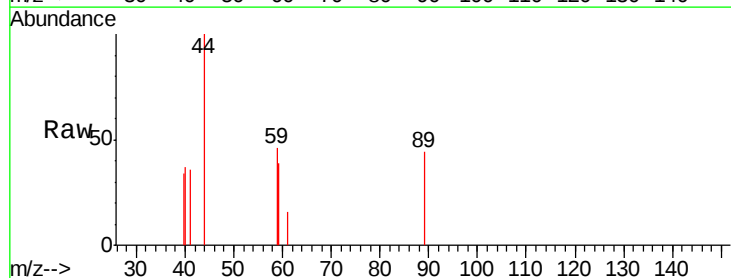
Instrument :
MSVOA_X
ClientSampleId :
SA-MW126S-20190926

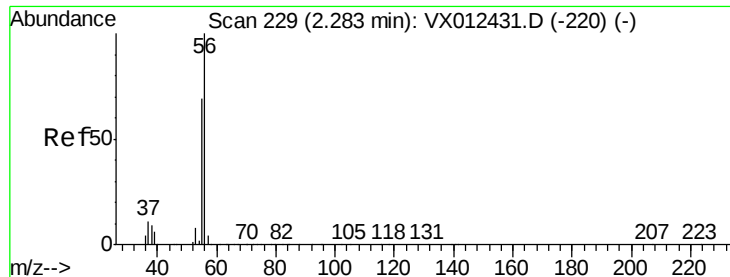
Tgt Ion: 142 Resp: 371
Ion Ratio Lower Upper
142 100
127 52.0 40.8 61.2
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 0.911 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX012719.D
Acq: 30 Sep 2019 20:36

Tgt Ion: 59 Resp: 551
Ion Ratio Lower Upper
59 100
57 3.6 8.3 12.5#





#13

Acrolein

Concen: 10.606 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012719.D

Acq: 30 Sep 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

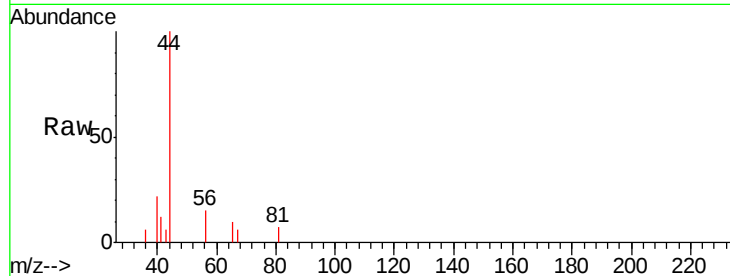
SA-MW126S-20190926

Tgt Ion: 56 Resp: 131

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#

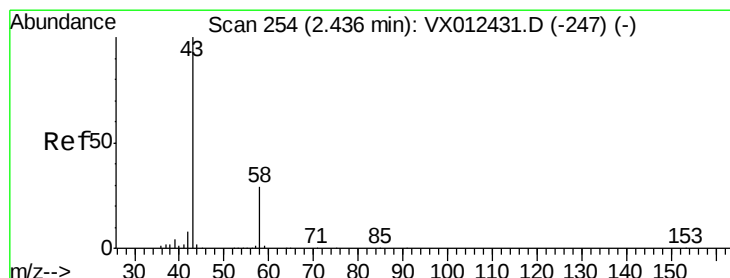
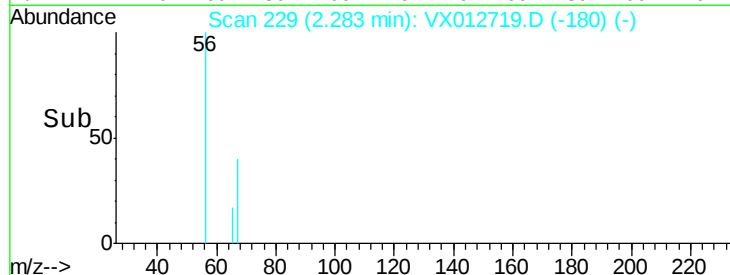


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

Time-->



#16

Acetone

Concen: 5.536 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012719.D

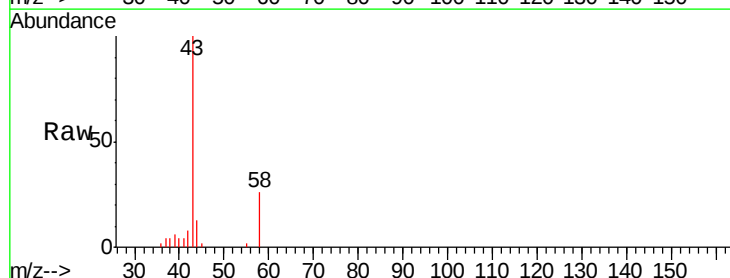
Acq: 30 Sep 2019 20:36

Tgt Ion: 43 Resp: 7097

Ion Ratio Lower Upper

43 100

58 26.0 23.3 34.9

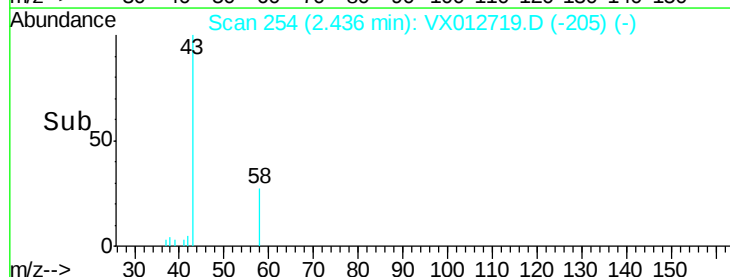


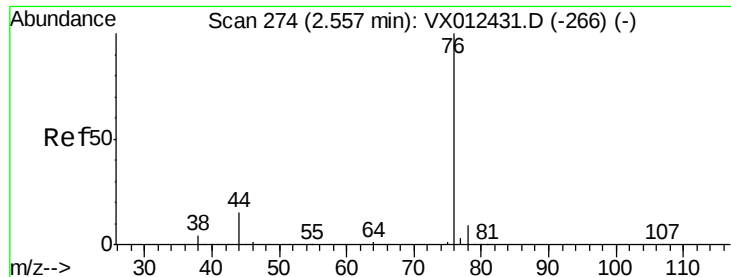
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

Time-->

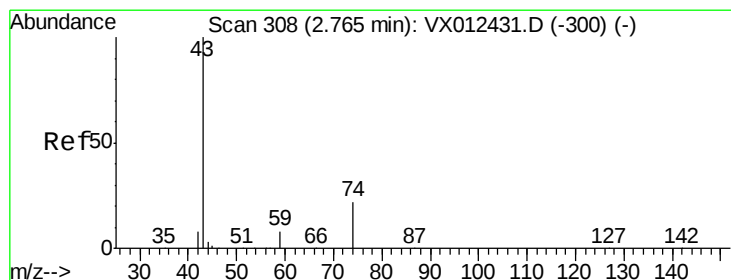
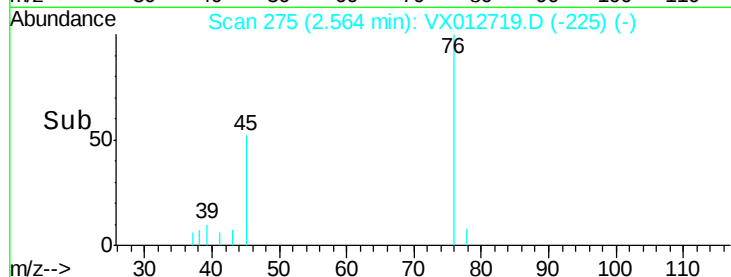
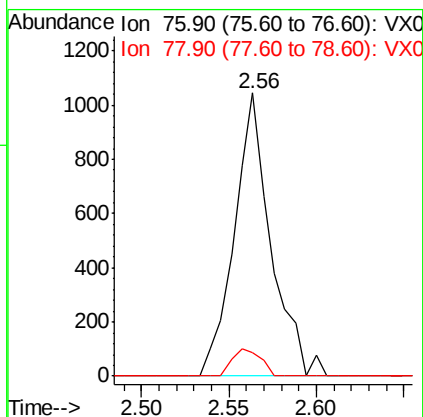
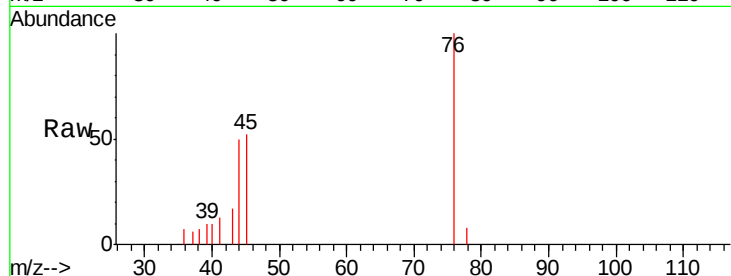




#17
Carbon Disulfide
Concen: 0.302 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX012719.D
Acq: 30 Sep 2019 20:36

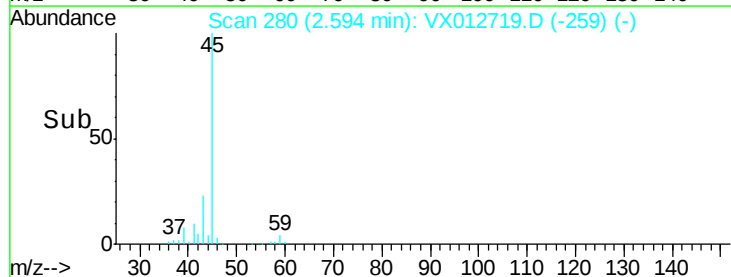
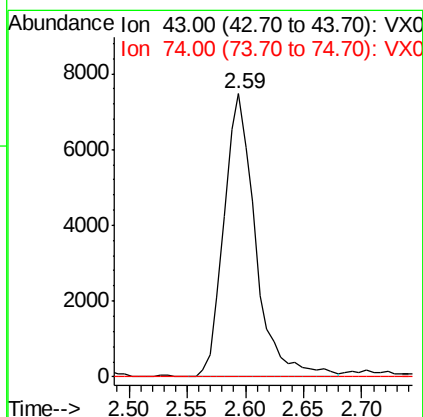
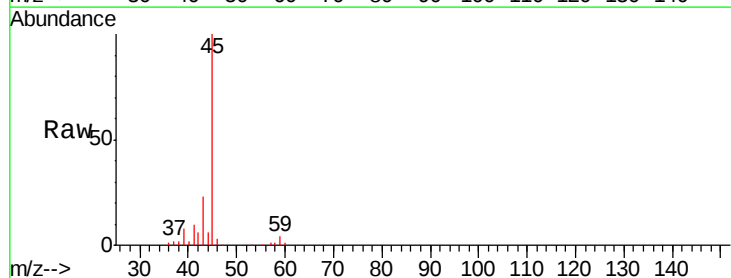
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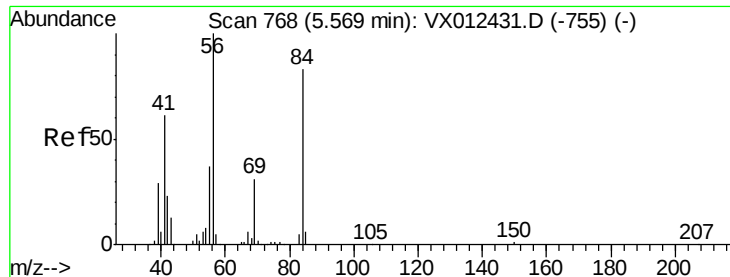
Tgt Ion: 76 Resp: 1514
Ion Ratio Lower Upper
76 100
78 8.1 7.3 10.9



#18
Methyl Acetate
Concen: 4.662 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012719.D
Acq: 30 Sep 2019 20:36

Tgt Ion: 43 Resp: 14073
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#

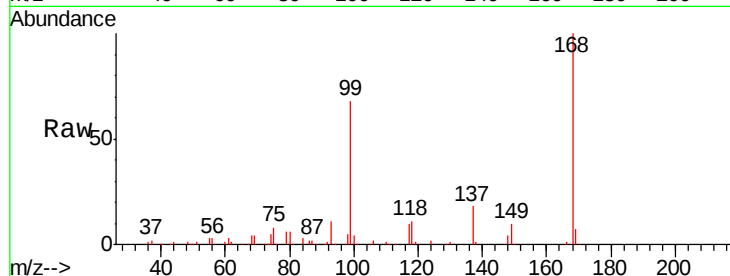




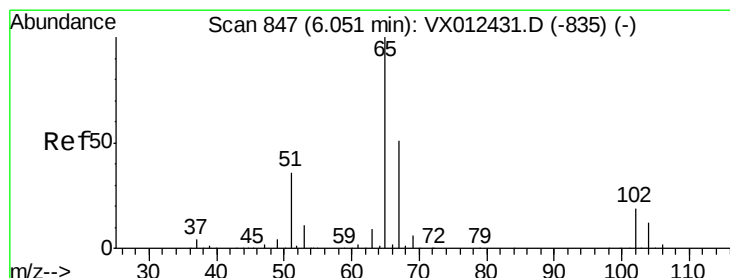
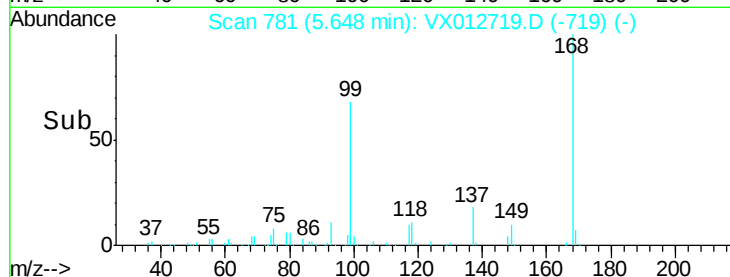
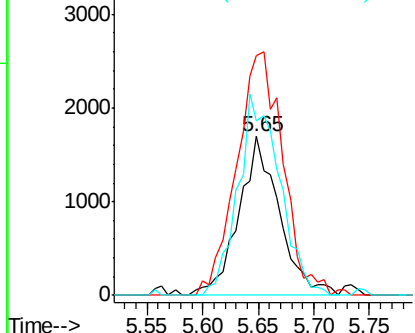
#31
Cyclohexane
Concen: 1.270 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012719.D
Acq: 30 Sep 2019 20:36

Instrument :
MSVOA_X
ClientSampleId :
SA-MW126S-20190926

Tgt Ion: 56 Resp: 4278
Ion Ratio Lower Upper
56 100
69 151.4 25.0 37.6#
84 110.1 66.4 99.6#

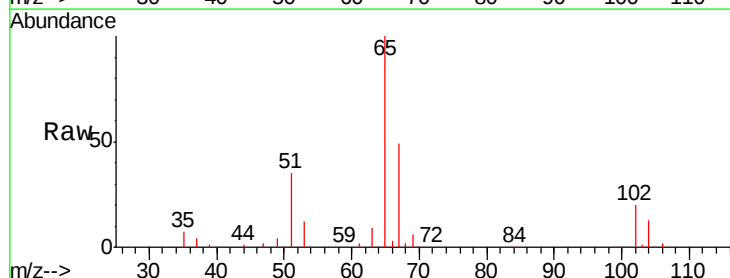


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

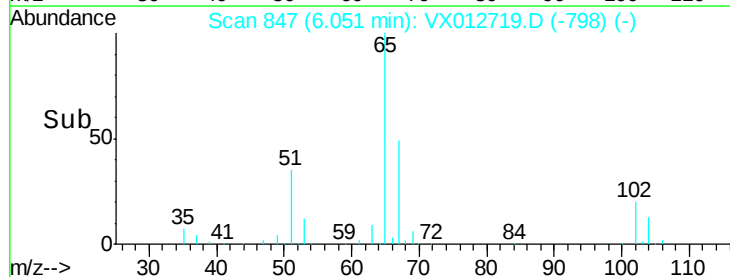
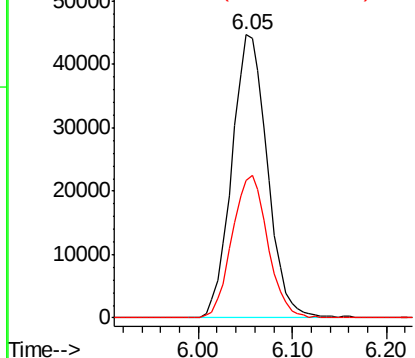


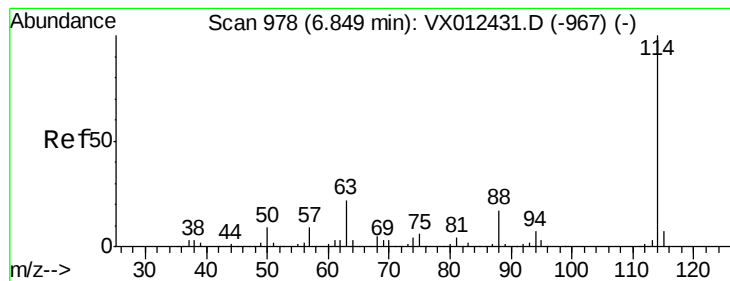
#33
1,2-Dichloroethane-d4
Concen: 48.438 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012719.D
Acq: 30 Sep 2019 20:36

Tgt Ion: 65 Resp: 117223
Ion Ratio Lower Upper
65 100
67 50.9 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: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX012719.D

Acq: 30 Sep 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

SA-MW126S-20190926

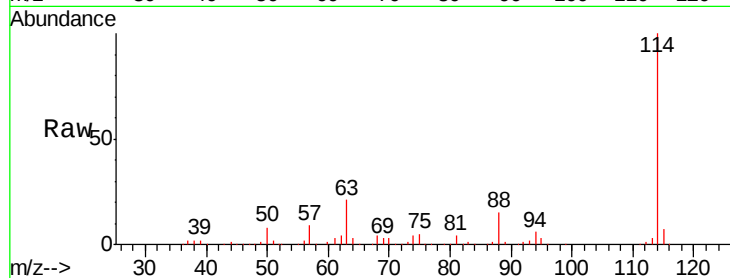
Tgt Ion:114 Resp: 287781

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

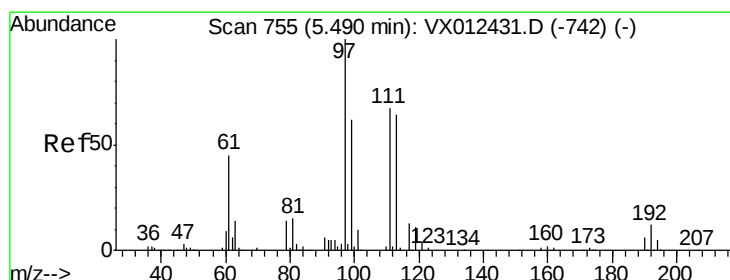
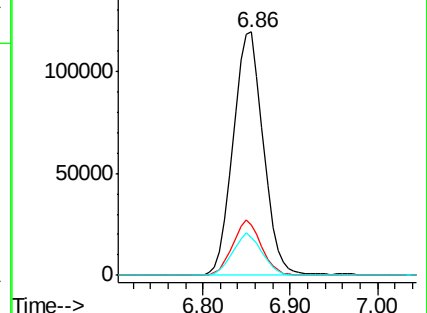
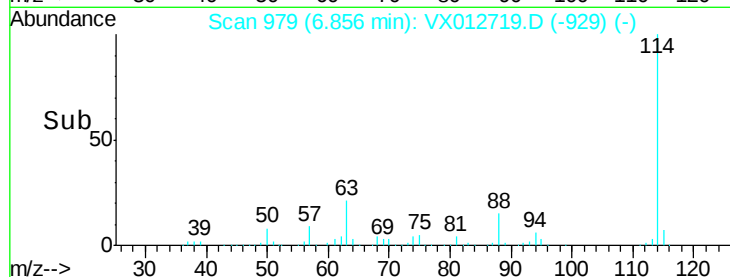
88 15.4 0.0 33.2



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: 50.777 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012719.D

Acq: 30 Sep 2019 20:36

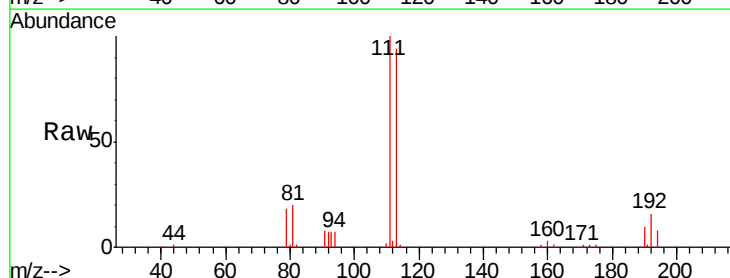
Tgt Ion:113 Resp: 87025

Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.2

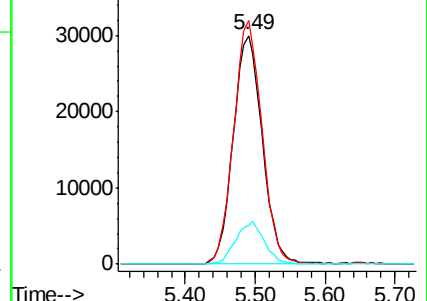
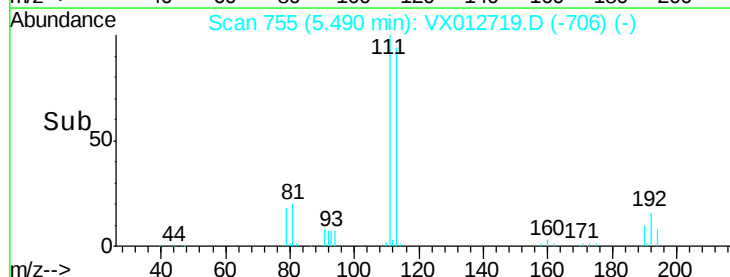
192 17.9 14.4 21.6

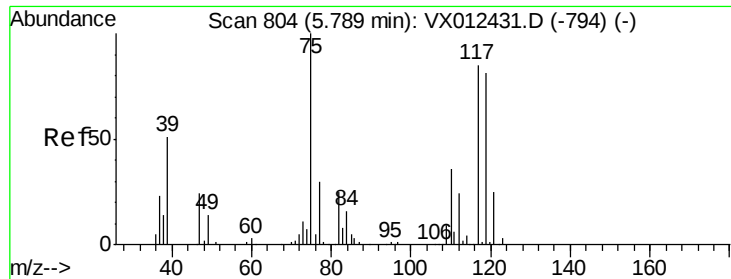


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

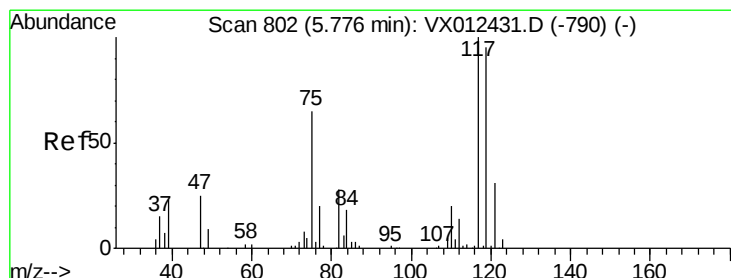
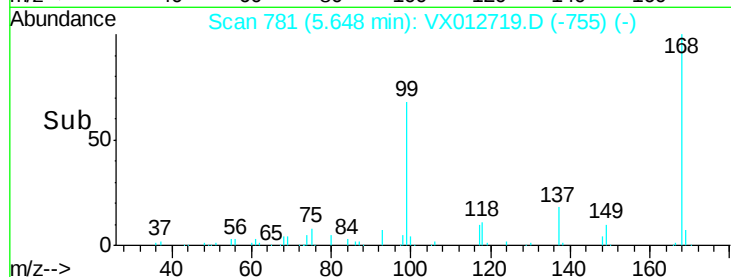
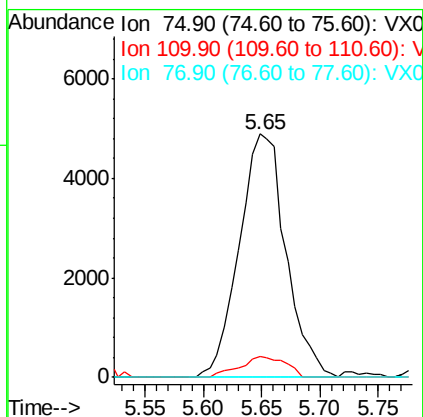
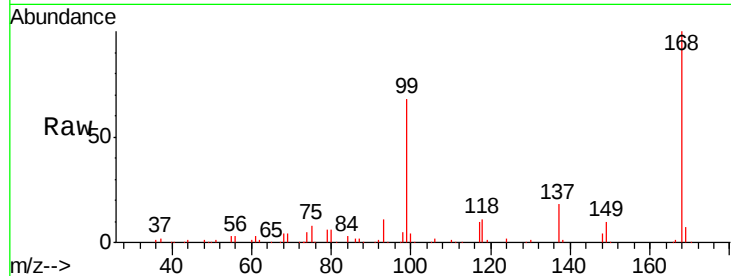




#36
 1,1-Dichloropropene
 Concen: 4.923 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012719.D
 Acq: 30 Sep 2019 20:36

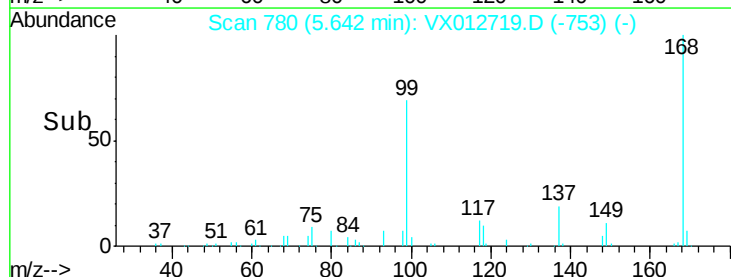
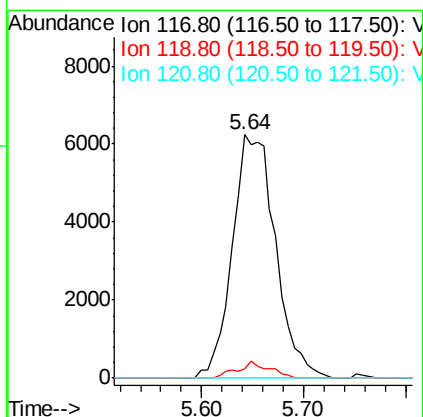
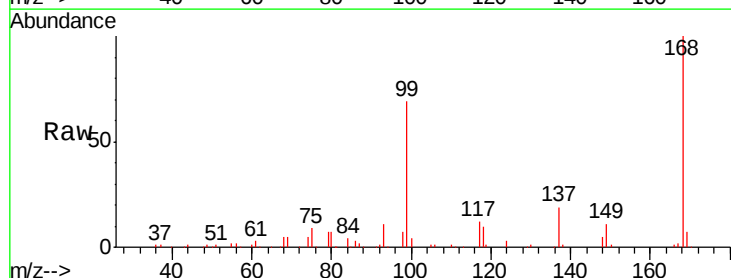
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW126S-20190926

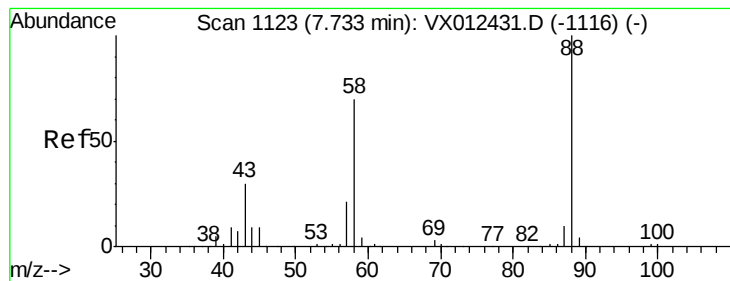
Tgt Ion: 75 Resp: 13657
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.7 50.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.481 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012719.D
 Acq: 30 Sep 2019 20:36

Tgt Ion: 117 Resp: 18262
 Ion Ratio Lower Upper
 117 100
 119 4.1 75.7 113.5#
 121 0.0 24.2 36.4#

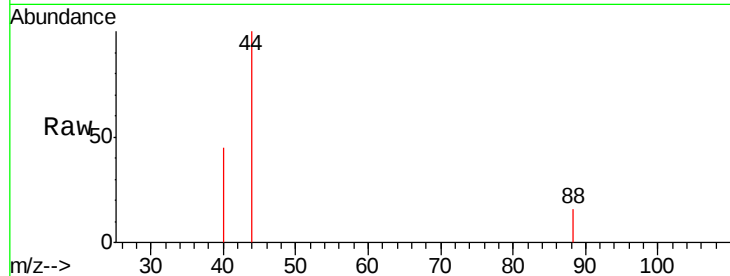




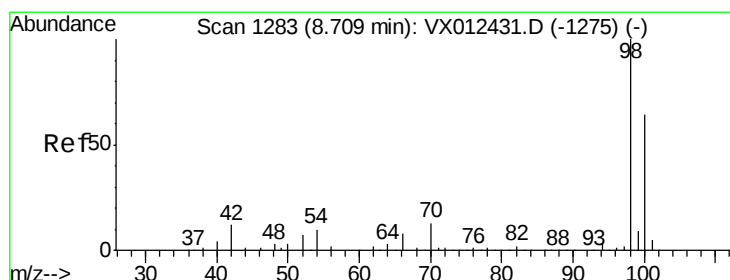
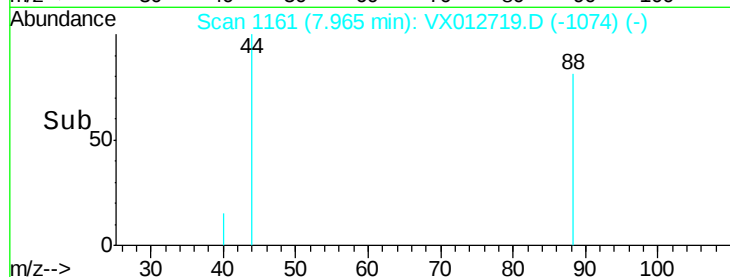
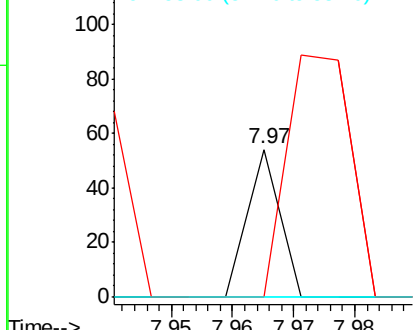
#49
1,4-Dioxane
Concen: 0.339 ug/l
RT: 7.97 min Scan# 1161
Delta R.T. 0.23 min
Lab File: VX012719.D
Acq: 30 Sep 2019 20:36

Instrument :
MSVOA_X
ClientSampleId :
SA-MW126S-20190926

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 320.0 29.4 44.0#
58 0.0 57.5 86.3#

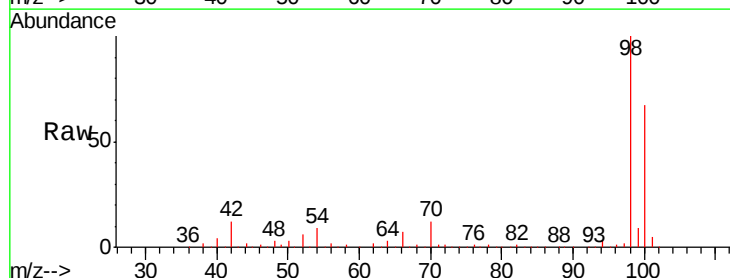


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

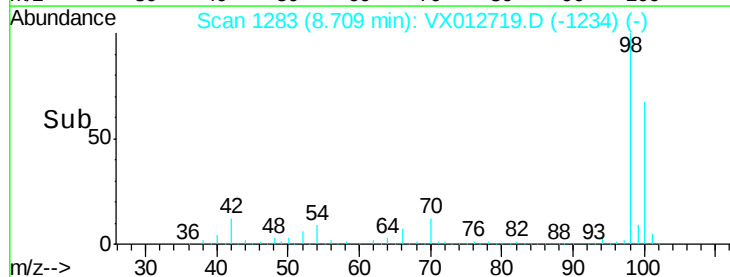
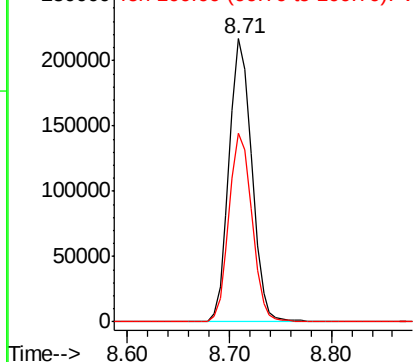


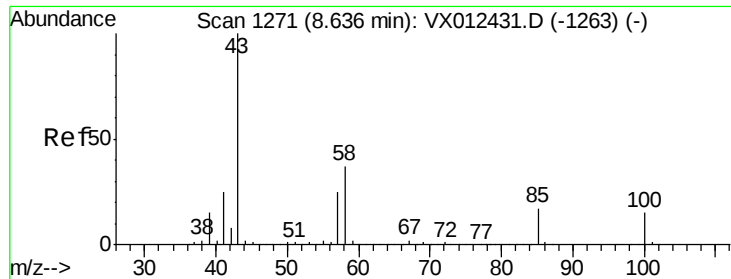
#50
Toluene-d8
Concen: 50.936 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012719.D
Acq: 30 Sep 2019 20:36

Tgt Ion: 98 Resp: 336186
Ion Ratio Lower Upper
98 100
100 67.5 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.470 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012719.D

Acq: 30 Sep 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

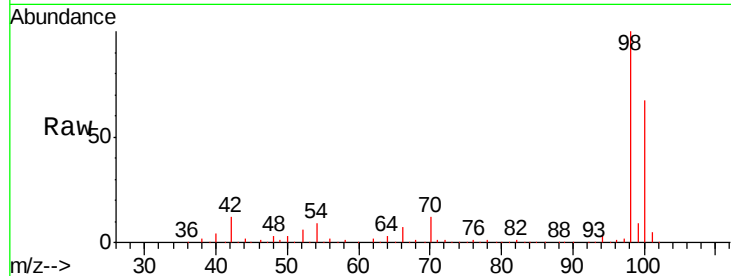
SA-MW126S-20190926

Tgt Ion: 43 Resp: 1573

Ion Ratio Lower Upper

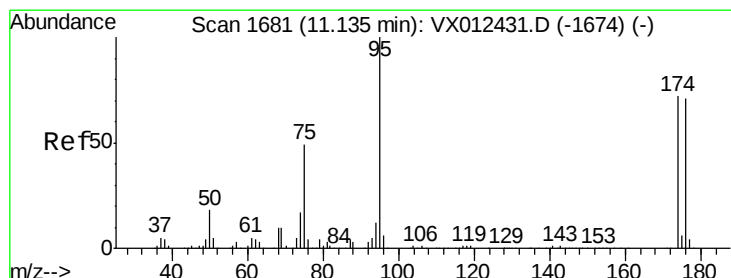
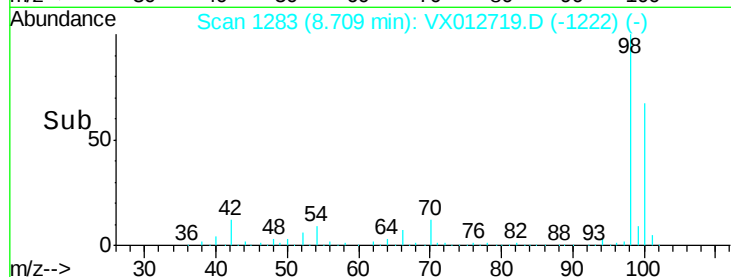
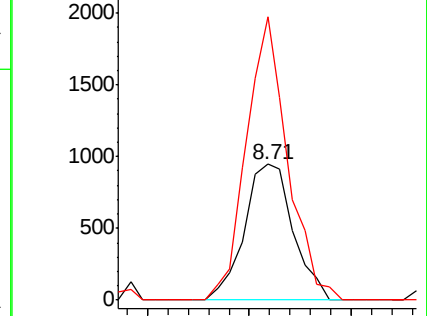
43 100

58 175.8 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 43.301 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012719.D

Acq: 30 Sep 2019 20:36

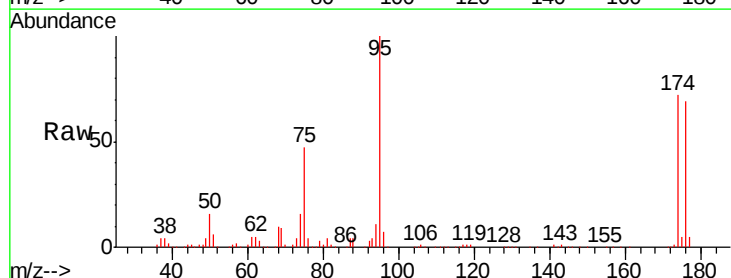
Tgt Ion: 95 Resp: 112376

Ion Ratio Lower Upper

95 100

174 68.7 0.0 140.0

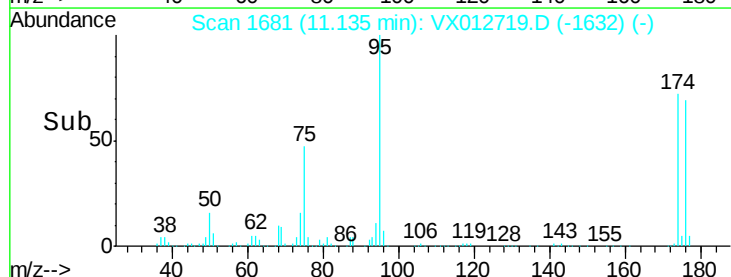
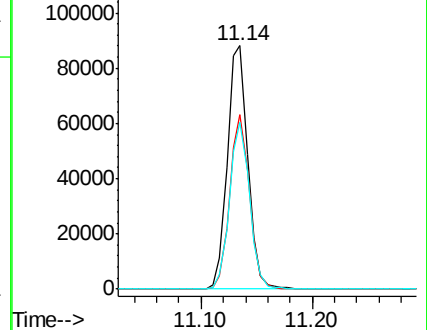
176 67.1 0.0 135.4

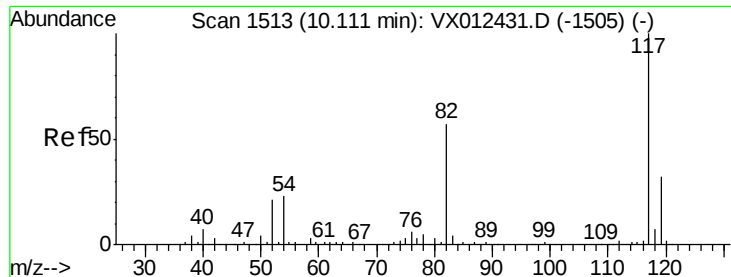


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

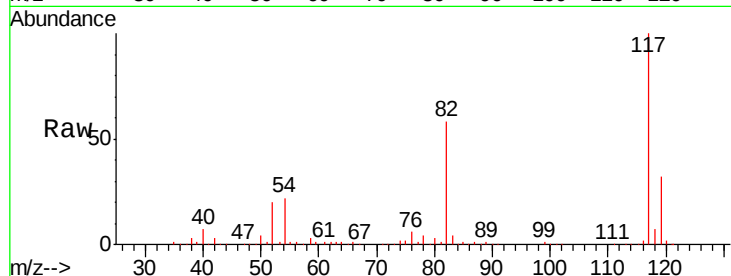




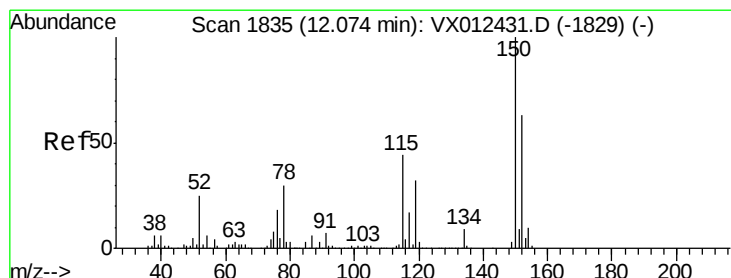
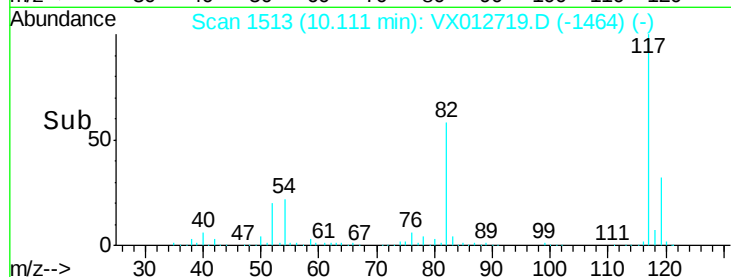
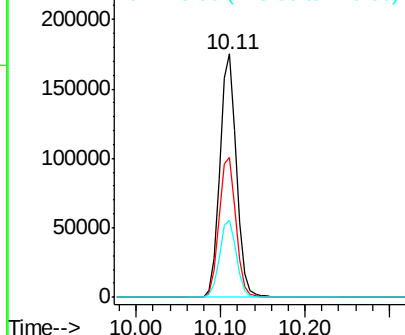
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012719.D
Acq: 30 Sep 2019 20:36

Instrument :
MSVOA_X
ClientSampleId :
SA-MW126S-20190926

Tgt Ion:117 Resp: 240093
Ion Ratio Lower Upper
117 100
82 57.7 45.9 68.9
119 31.7 25.3 37.9

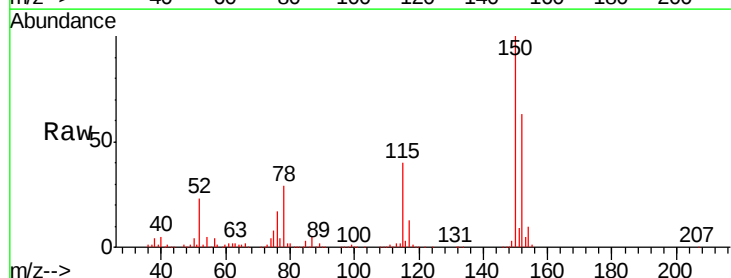


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

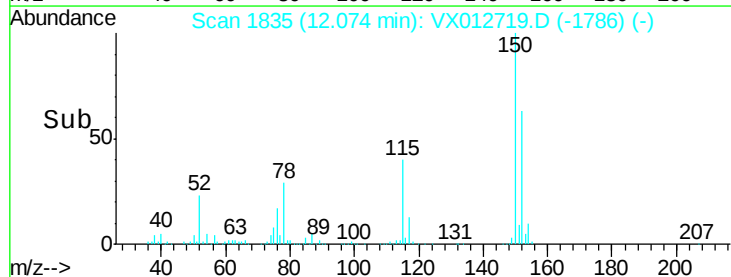
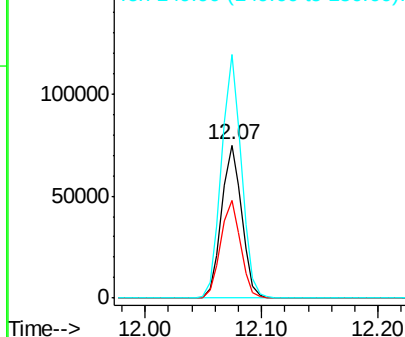


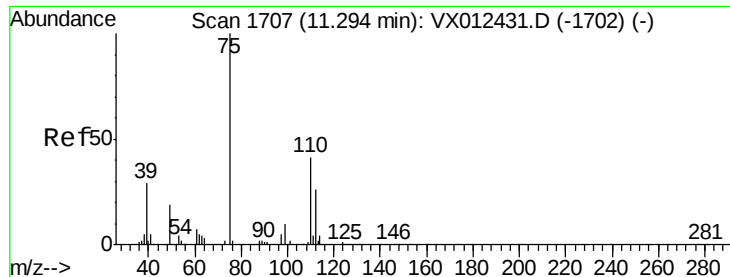
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012719.D
Acq: 30 Sep 2019 20:36

Tgt Ion:152 Resp: 89516
Ion Ratio Lower Upper
152 100
115 63.0 44.1 132.3
150 157.0 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: 23.716 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012719.D

Acq: 30 Sep 2019 20:36

Instrument :

MSVOA_X

ClientSampleId :

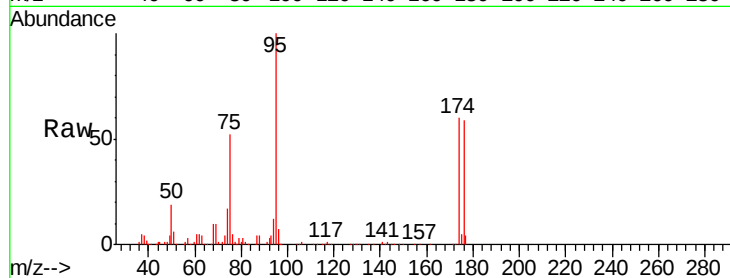
SA-MW126S-20190926

Tgt Ion: 75 Resp: 56157

Ion Ratio Lower Upper

75 100

77 1.1 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

40000

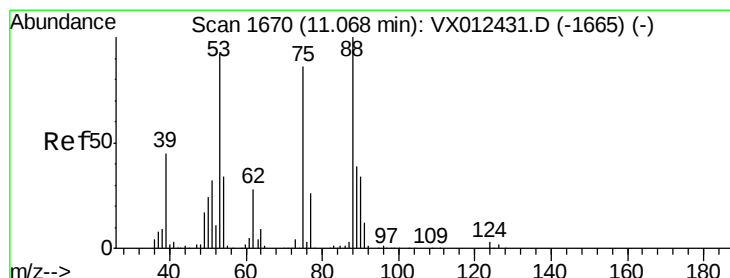
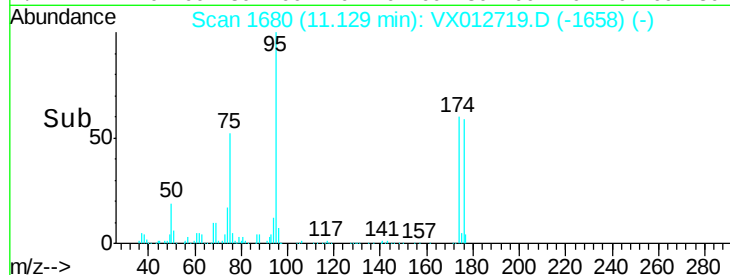
30000

20000

10000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 67.964 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012719.D

Acq: 30 Sep 2019 20:36

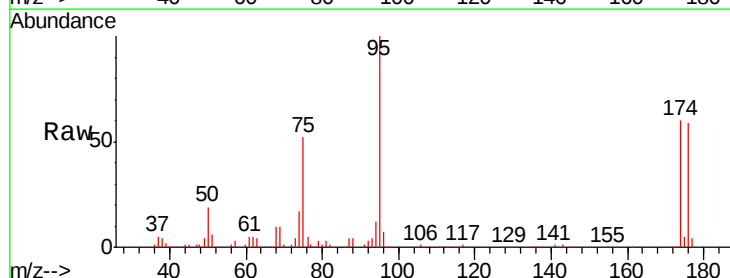
Tgt Ion: 75 Resp: 56157

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

11.13

60000

50000

40000

30000

20000

10000

0

Time--> 11.05 11.10 11.15 11.20

