

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092619\
 Data File : VX012666.D
 Acq On : 26 Sep 2019 12:03
 Operator : JC/SP
 Sample : VX0926WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBL01

Quant Time: Sep 26 23:31:49 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	170619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	296608	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	86721	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	124246	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
35) Dibromofluoromethane	5.49	113	89296	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
50) Toluene-d8	8.71	98	346281	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
62) 4-Bromofluorobenzene	11.13	95	114811	42.92	ug/l	0.00
Spiked Amount			Recovery	=	85.84%	

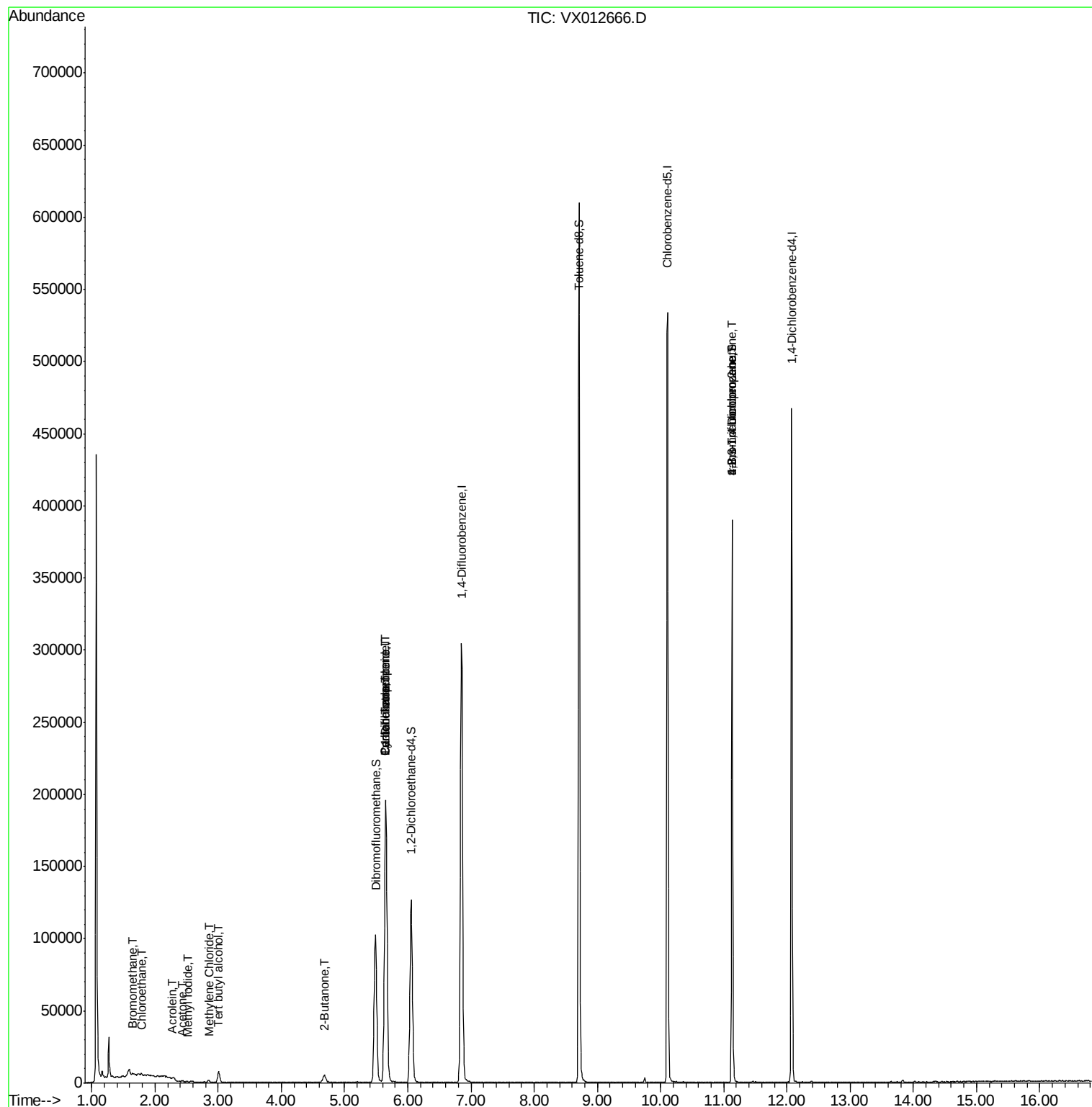
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	589	0.684	ug/l	96
6) Chloroethane	1.79	64	371	0.251	ug/l #	67
10) Methyl Iodide	2.51	142	452	5.159	ug/l #	85
11) Tert butyl alcohol	3.01	59	4744	7.644	ug/l #	72
13) Acrolein	2.28	56	98	10.505	ug/l #	82
16) Acetone	2.44	43	895	0.680	ug/l	95
20) Methylene Chloride	2.85	84	726	0.326	ug/l #	73
25) 2-Butanone	4.68	43	476	0.252	ug/l #	51
31) Cyclohexane	5.64	56	4483	1.296	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14647	5.123	ug/l #	52
38) Carbon Tetrachloride	5.64	117	19783	6.812	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	58820	25.641	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	58820	73.481	ug/l #	8

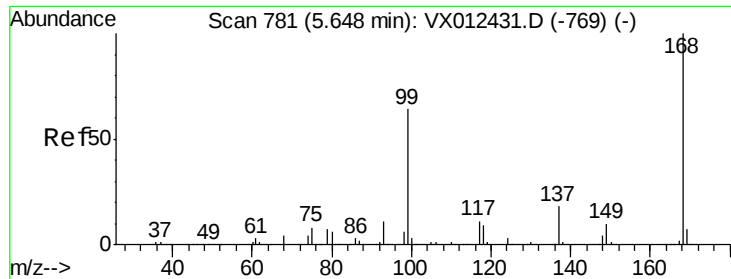
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX092619\
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Quant Time: Sep 26 23:31:49 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
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: VX012666.D

Acq: 26 Sep 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

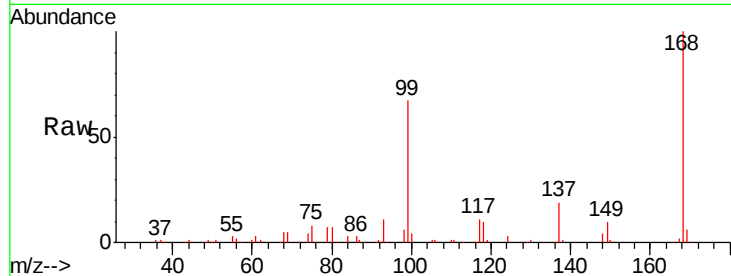
VX0926WBL01

Tgt Ion: 168 Resp: 170619

Ion Ratio Lower Upper

168 100

99 67.2 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

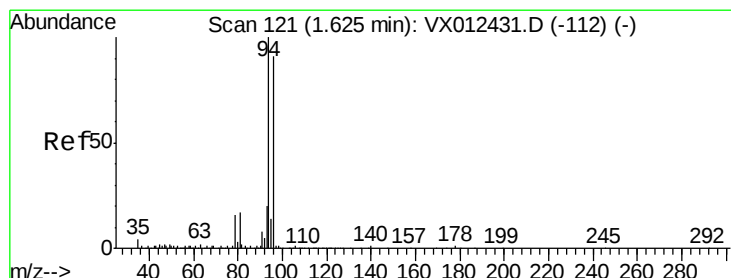
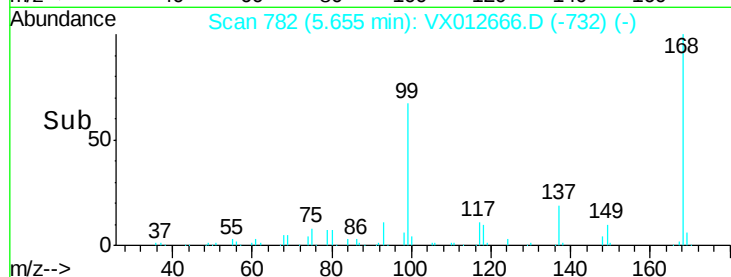
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.684 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012666.D

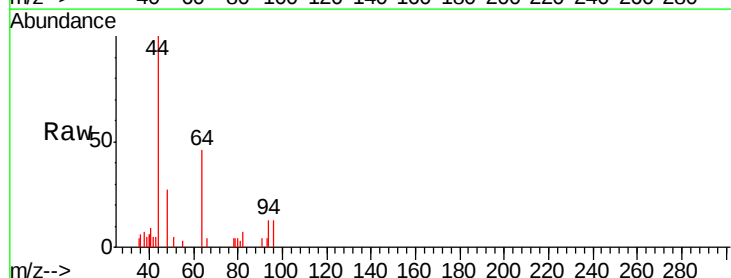
Acq: 26 Sep 2019 12:03

Tgt Ion: 94 Resp: 589

Ion Ratio Lower Upper

94 100

96 95.2 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

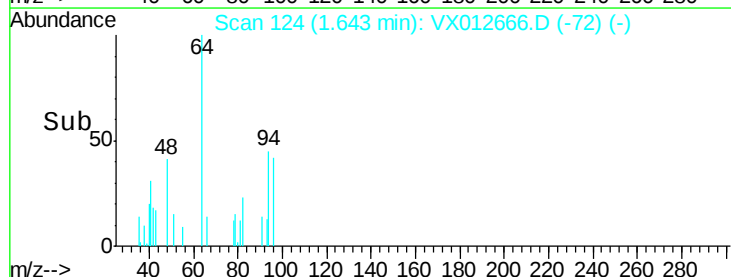
300

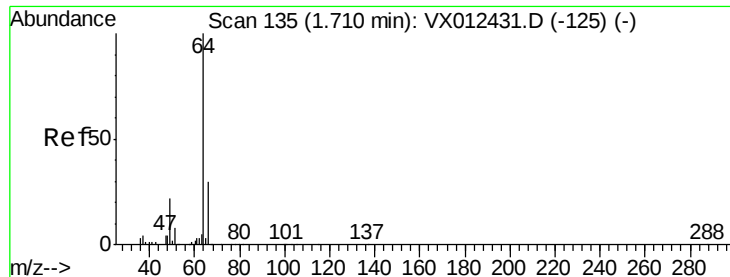
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.251 ug/l

RT: 1.79 min Scan# 148

Delta R.T. 0.08 min

Lab File: VX012666.D

Acq: 26 Sep 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

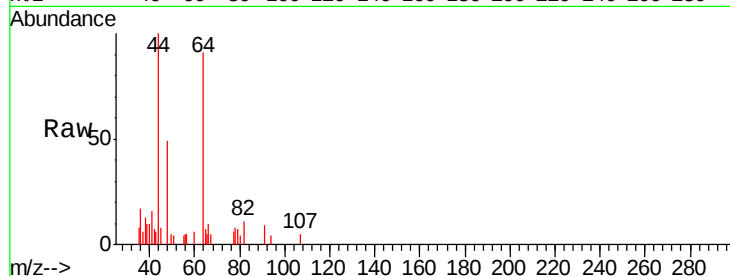
VX0926WBL01

Tgt Ion: 64 Resp: 371

Ion Ratio Lower Upper

64 100

66 12.3 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.79

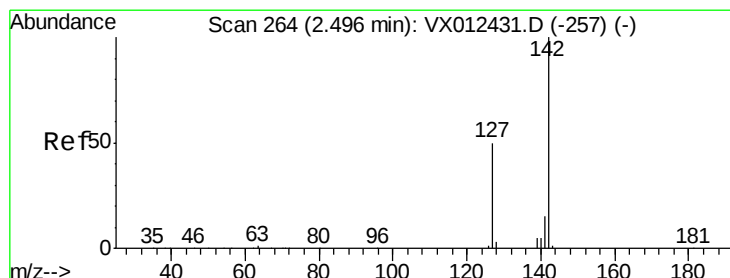
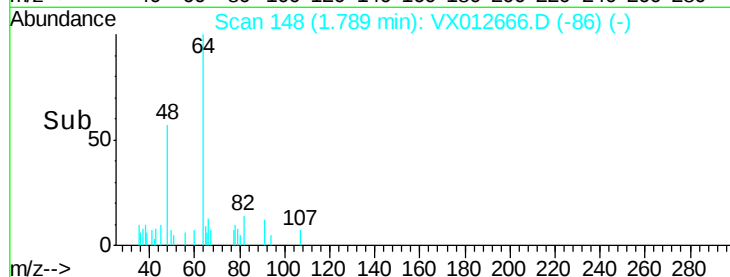
1000

500

0

1.76 1.78 1.80 1.82

Time-->



#10

Methyl Iodide

Concen: 5.159 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX012666.D

Acq: 26 Sep 2019 12:03

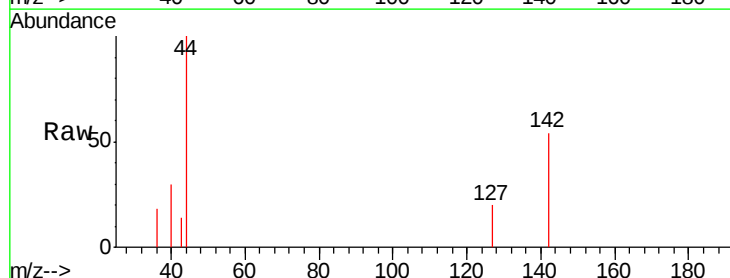
Tgt Ion: 142 Resp: 452

Ion Ratio Lower Upper

142 100

127 45.1 40.8 61.2

141 0.0 12.1 18.1#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.51

300

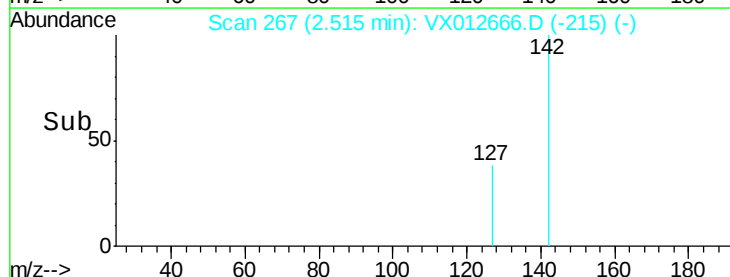
200

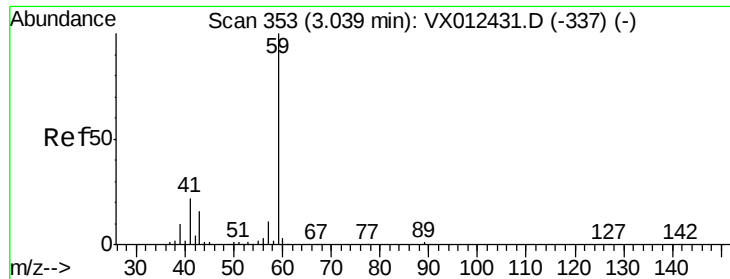
100

0

2.45 2.50 2.55

Time-->

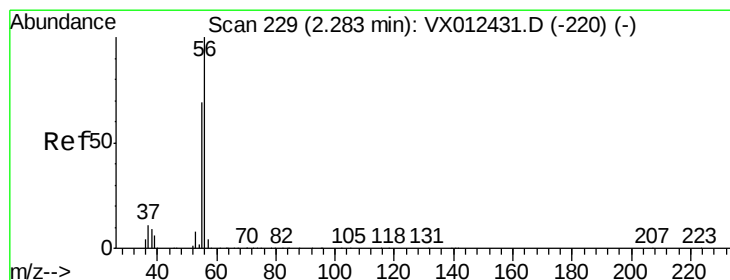
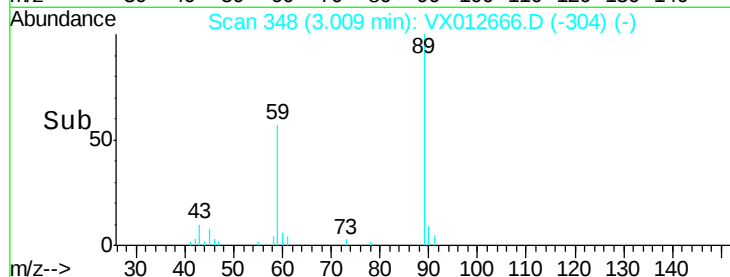
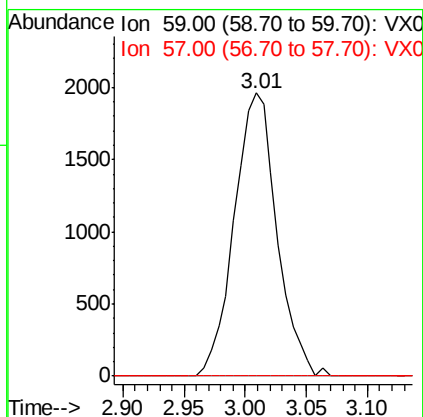
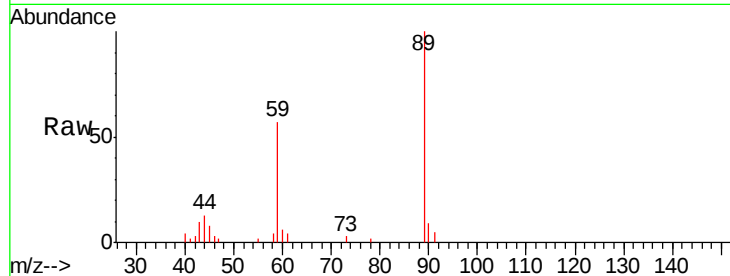




#11
Tert butyl alcohol
Concen: 7.644 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012666.D
Acq: 26 Sep 2019 12:03

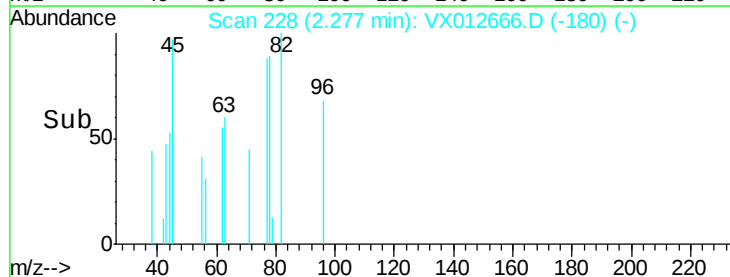
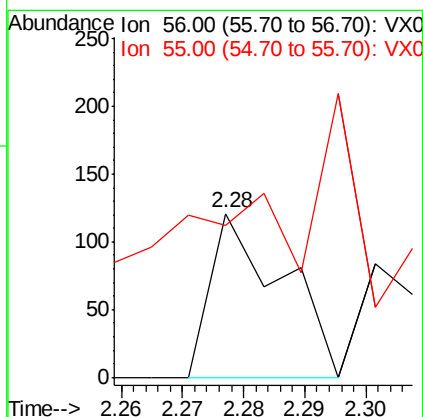
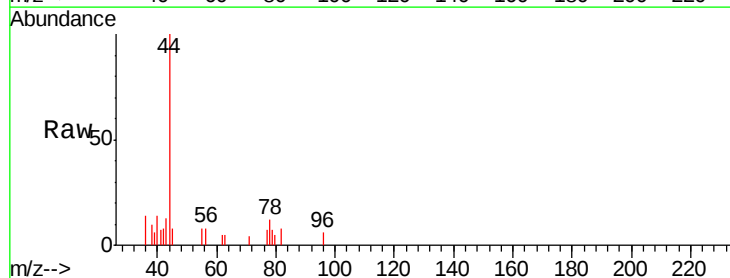
Instrument :
MSVOA_X
ClientSampleId :
VX0926WBL01

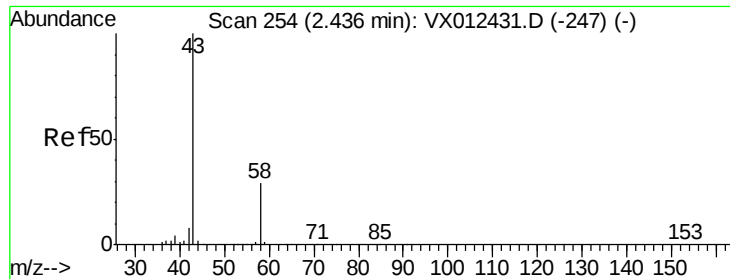
Tgt Ion: 59 Resp: 4744
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 10.505 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX012666.D
Acq: 26 Sep 2019 12:03

Tgt Ion: 56 Resp: 98
Ion Ratio Lower Upper
56 100
55 55.1 55.8 83.8#





#16

Acetone

Concen: 0.680 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012666.D

Acq: 26 Sep 2019 12:03

Instrument :

MSVOA_X

ClientSampled :

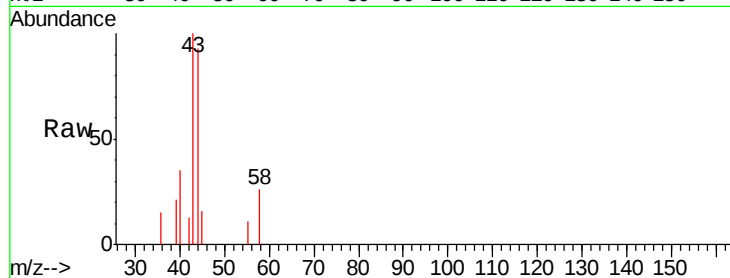
VX0926WBL01

Tgt Ion: 43 Resp: 895

Ion Ratio Lower Upper

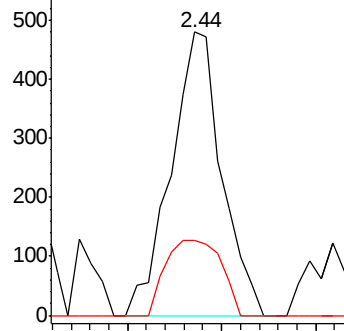
43 100

58 26.5 23.3 34.9

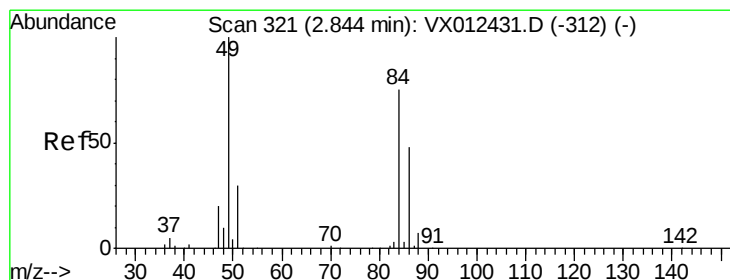
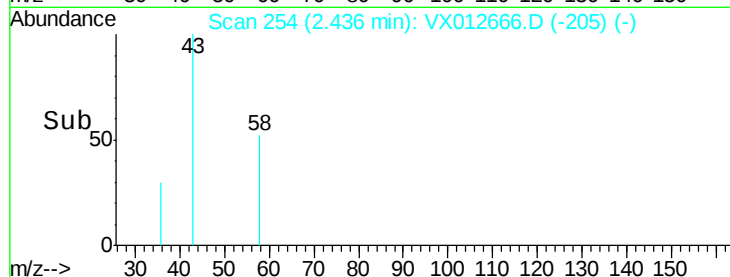


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#20

Methylene Chloride

Concen: 0.326 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX012666.D

Acq: 26 Sep 2019 12:03

Tgt Ion: 84 Resp: 726

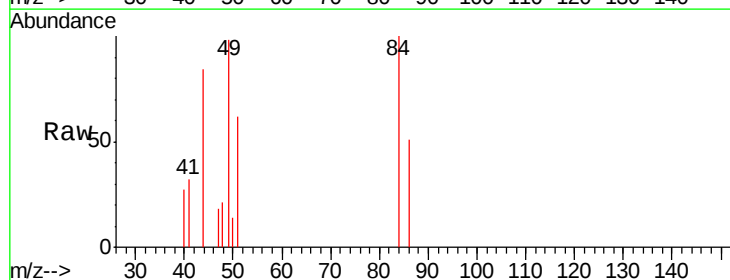
Ion Ratio Lower Upper

84 100

49 97.7 106.8 160.2#

51 62.3 32.3 48.5#

86 51.0 51.3 76.9#

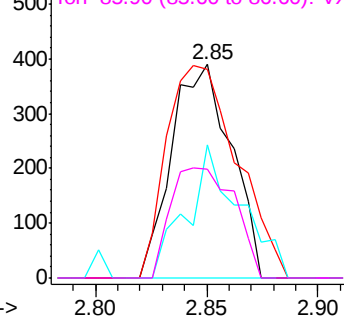


Abundance Ion 83.90 (83.60 to 84.60): VX0

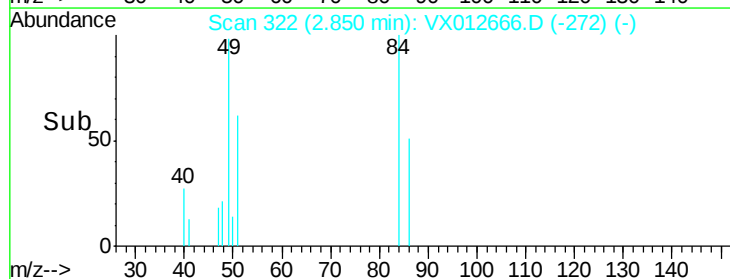
Ion 48.90 (48.60 to 49.60): VX0

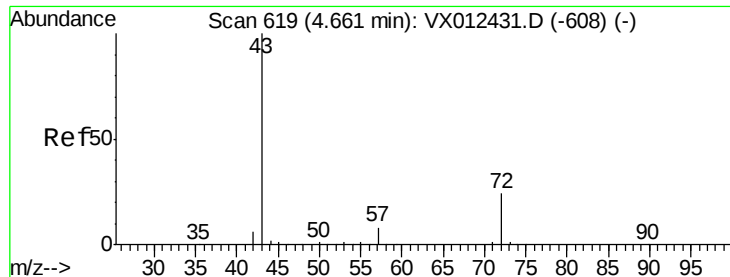
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time-->





#25

2-Butanone

Concen: 0.252 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX012666.D

Acq: 26 Sep 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

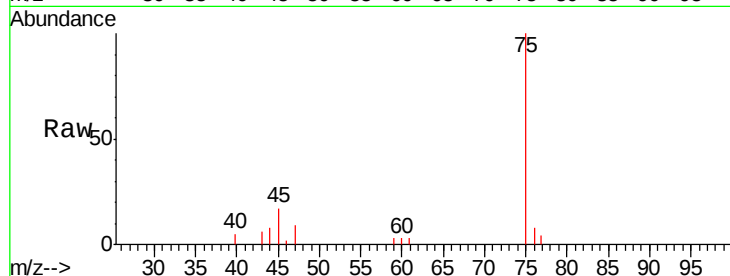
VX0926WBL01

Tgt Ion: 43 Resp: 476

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.68

150

100

50

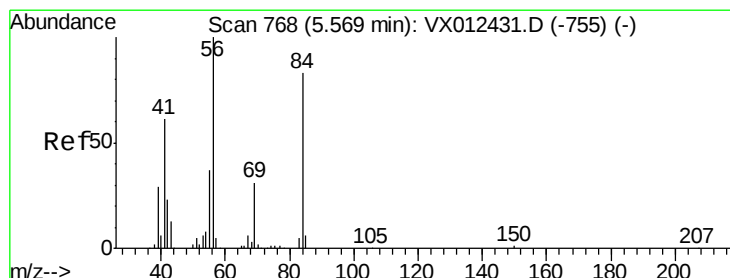
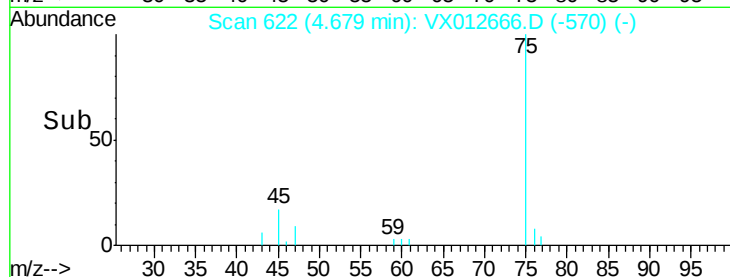
0

4.60

4.65

4.70

Time-->



#31

Cyclohexane

Concen: 1.296 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.07 min

Lab File: VX012666.D

Acq: 26 Sep 2019 12:03

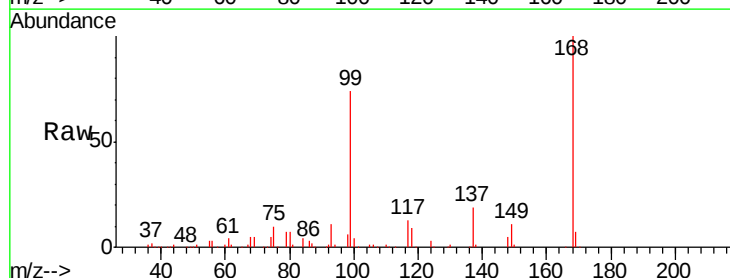
Tgt Ion: 56 Resp: 4483

Ion Ratio Lower Upper

56 100

69 173.2 25.0 37.6#

84 129.4 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

5.64

3000

2000

1000

0

5.55

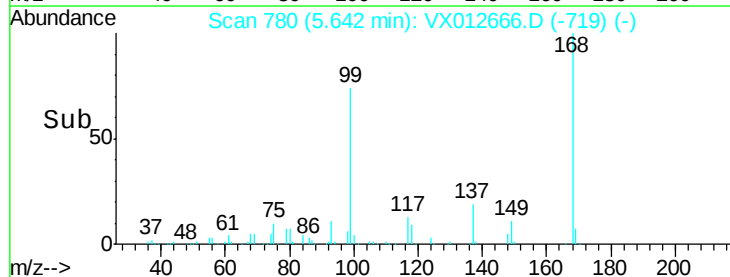
5.60

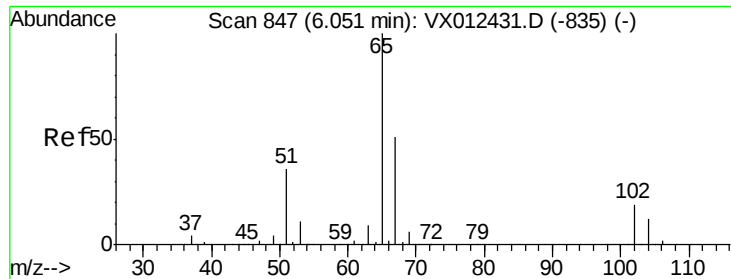
5.65

5.70

5.75

Time-->

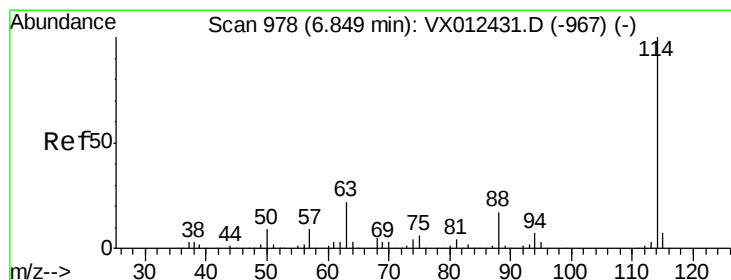
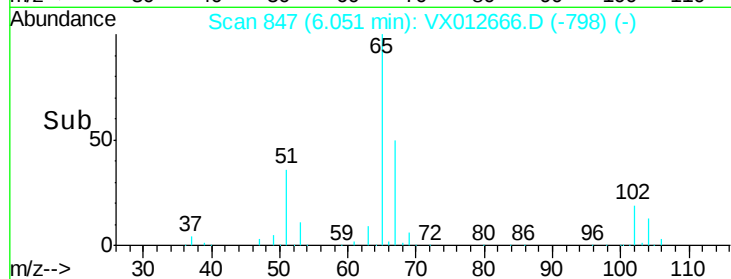
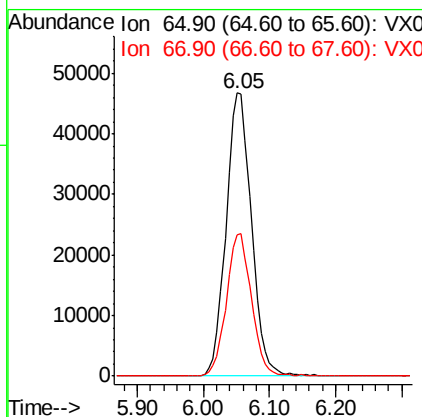
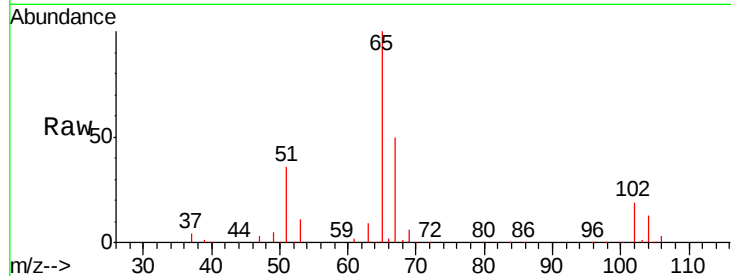




#33
 1,2-Dichloroethane-d4
 Concen: 50.008 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012666.D
 Acq: 26 Sep 2019 12:03

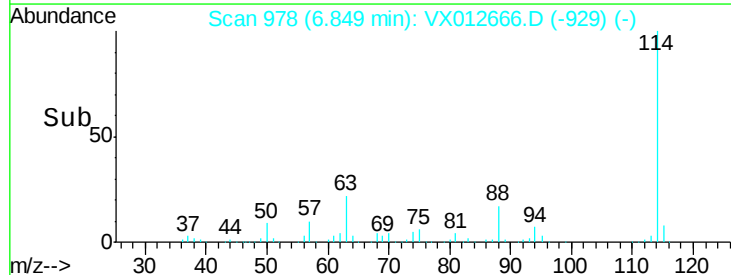
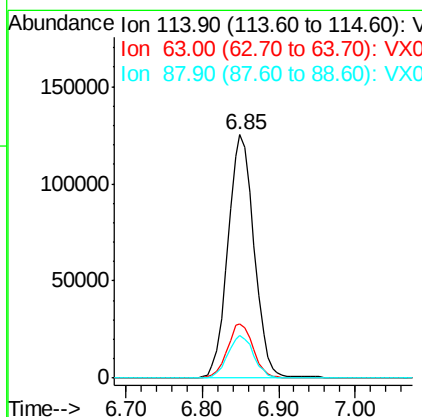
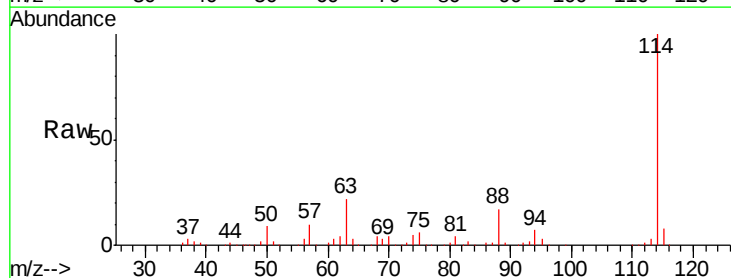
Instrument :
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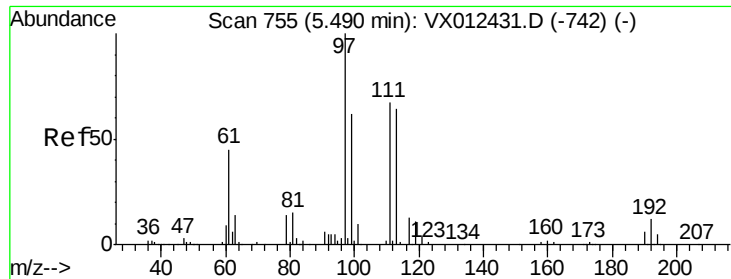
Tgt Ion: 65 Resp: 124246
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012666.D
 Acq: 26 Sep 2019 12:03

Tgt Ion: 114 Resp: 296608
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.2
 88 17.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.552 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012666.D

Acq: 26 Sep 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

VX0926WBL01

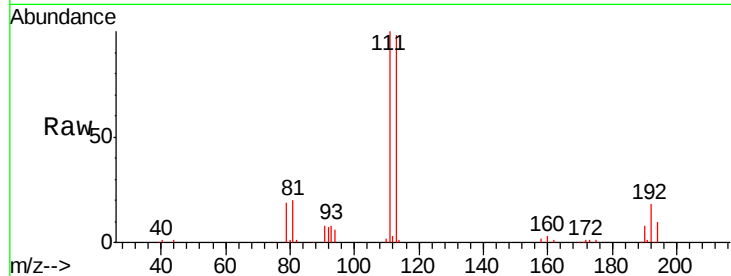
Tgt Ion:113 Resp: 89296

Ion Ratio Lower Upper

113 100

111 103.0 83.4 125.2

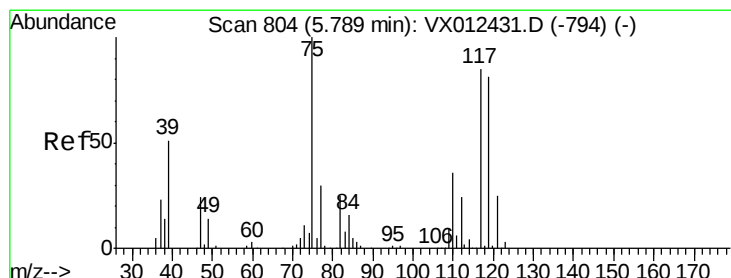
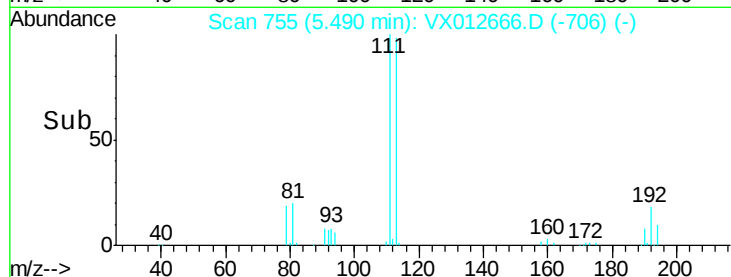
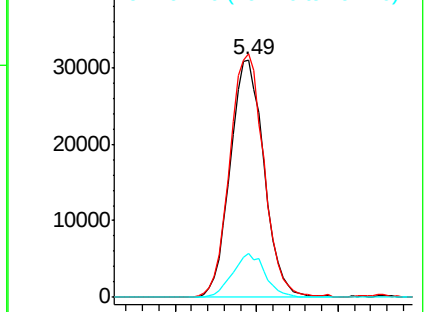
192 17.6 14.4 21.6



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: 5.123 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012666.D

Acq: 26 Sep 2019 12:03

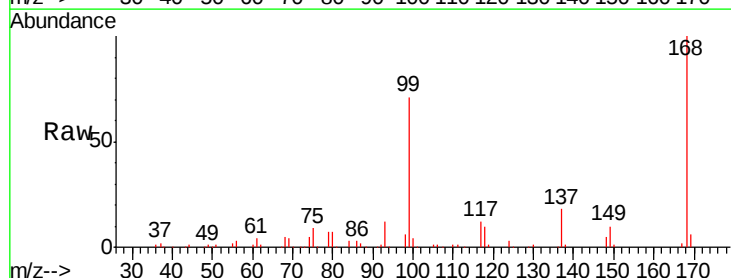
Tgt Ion: 75 Resp: 14647

Ion Ratio Lower Upper

75 100

110 9.7 16.7 50.0#

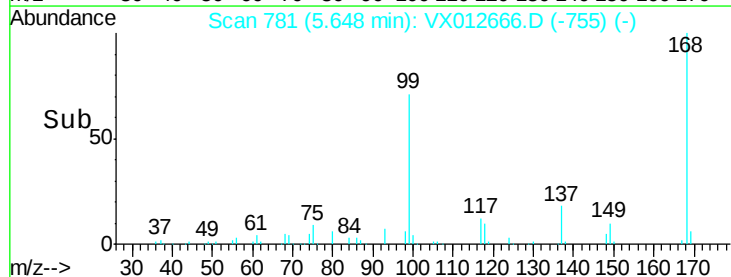
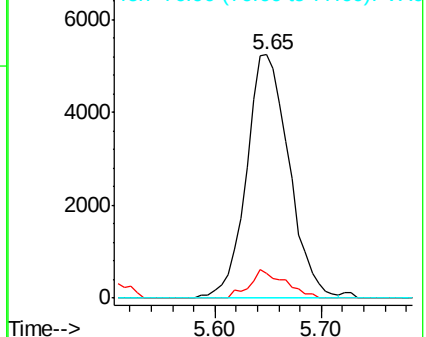
77 0.0 24.2 36.2#

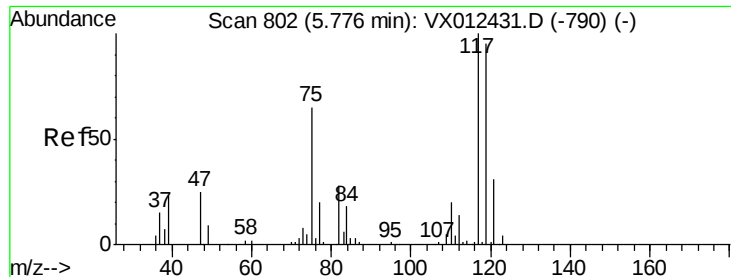


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

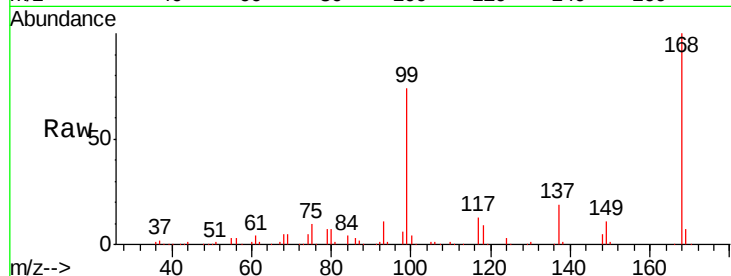




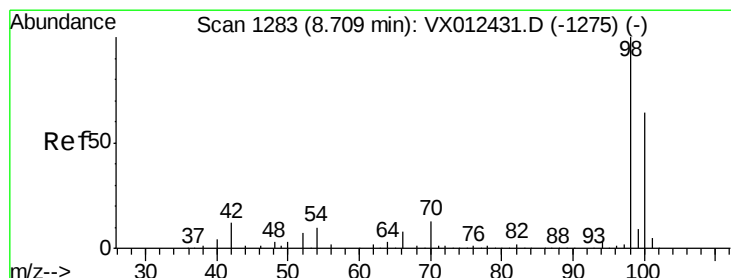
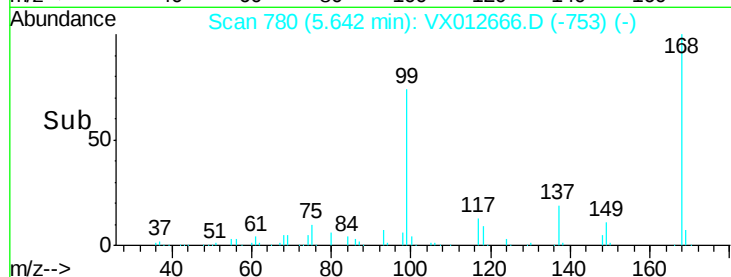
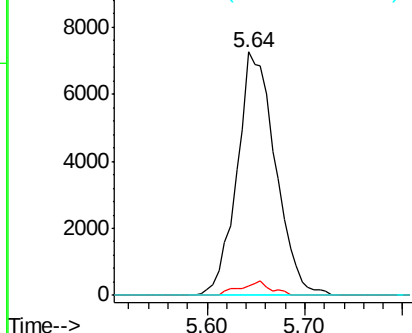
#38
Carbon Tetrachloride
Concen: 6.812 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.13 min
Lab File: VX012666.D
Acq: 26 Sep 2019 12:03

Instrument :
MSVOA_X
ClientSampleId :
VX0926WBL01

Tgt Ion:117 Resp: 19783
Ion Ratio Lower Upper
117 100
119 3.6 75.7 113.5#
121 0.0 24.2 36.4#

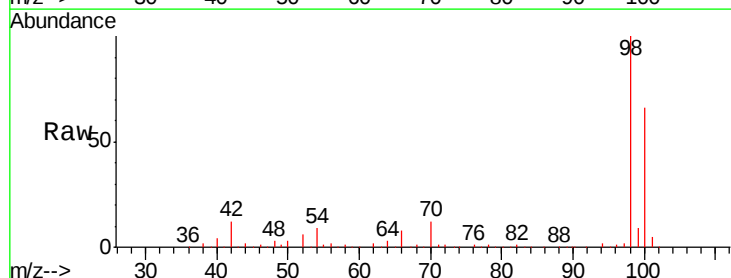


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

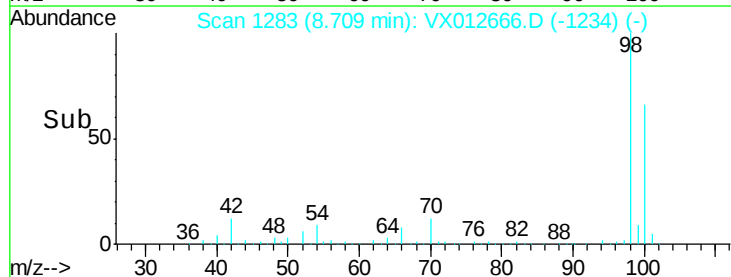
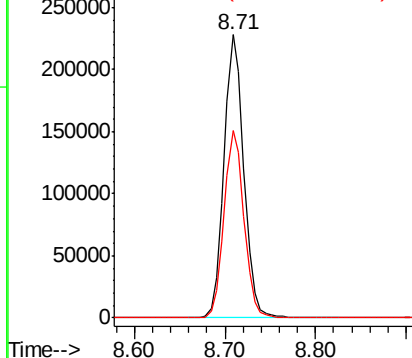


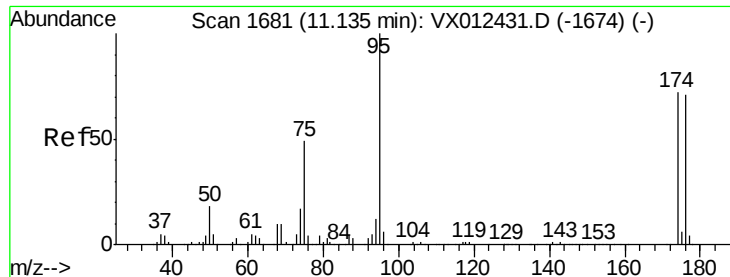
#50
Toluene-d8
Concen: 50.904 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012666.D
Acq: 26 Sep 2019 12:03

Tgt Ion: 98 Resp: 346281
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.2



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





#62

4-Bromofluorobenzene

Concen: 42.923 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012666.D

Acq: 26 Sep 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

VX0926WBL01

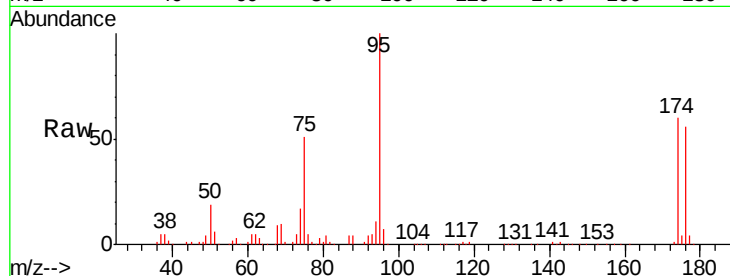
Tgt Ion: 95 Resp: 114811

Ion Ratio Lower Upper

95 100

174 66.1 0.0 140.0

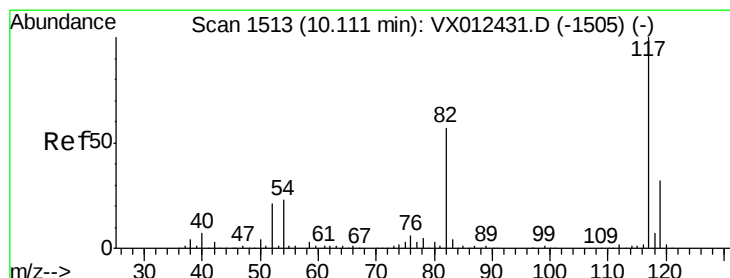
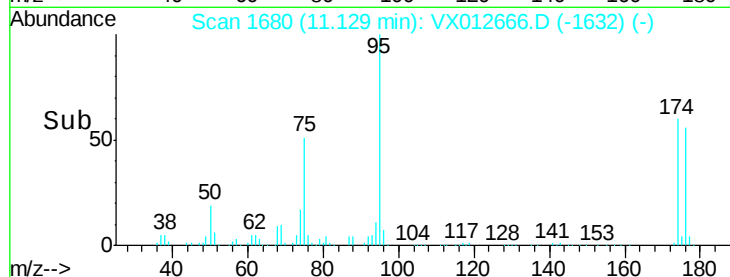
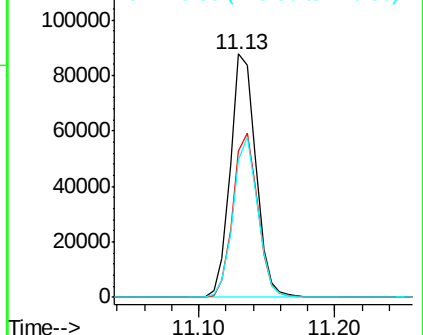
176 63.9 0.0 135.4



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: VX012666.D

Acq: 26 Sep 2019 12:03

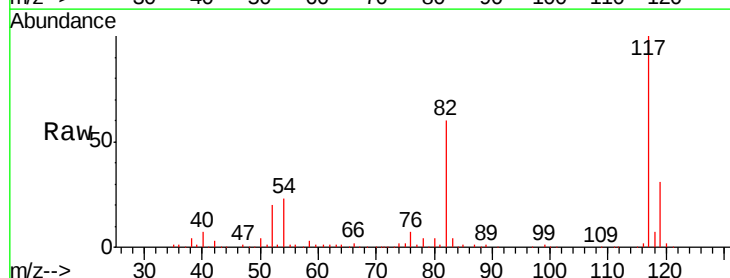
Tgt Ion: 117 Resp: 239136

Ion Ratio Lower Upper

117 100

82 60.2 45.9 68.9

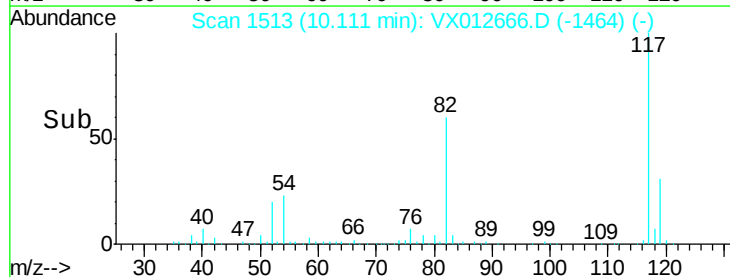
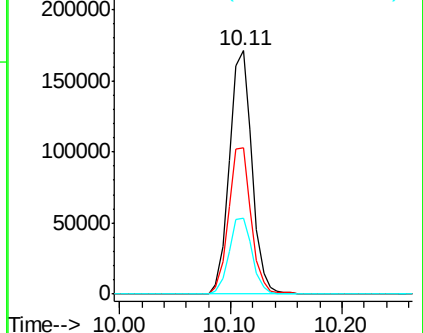
119 31.3 25.3 37.9

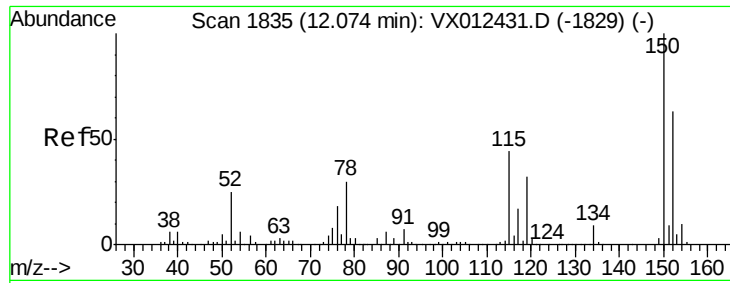


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX012666.D

Acq: 26 Sep 2019 12:03

Instrument :

MSVOA_X

ClientSampled :

VX0926WBL01

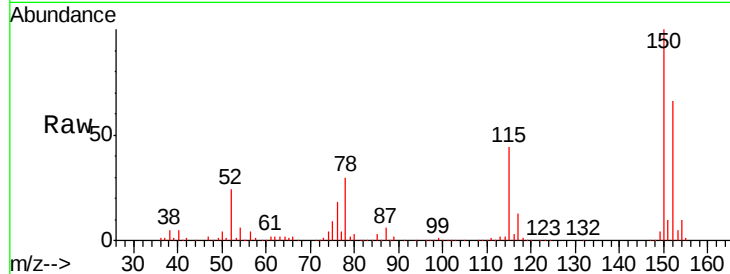
Tgt Ion:152 Resp: 86721

Ion Ratio Lower Upper

152 100

115 66.0 44.1 132.3

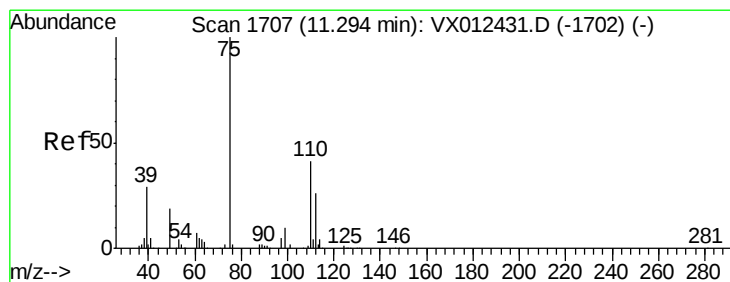
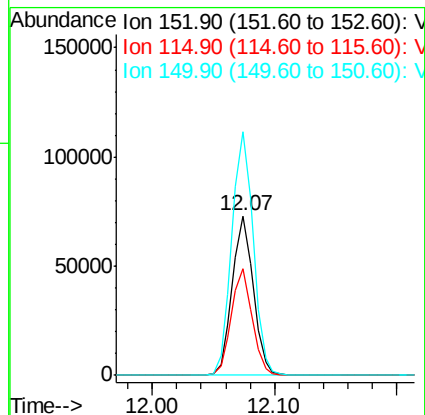
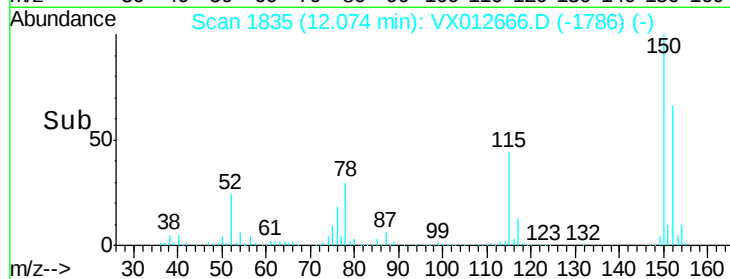
150 155.2 0.0 343.8



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: 25.641 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012666.D

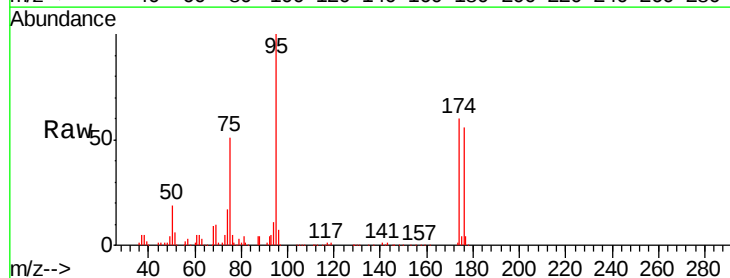
Acq: 26 Sep 2019 12:03

Tgt Ion: 75 Resp: 58820

Ion Ratio Lower Upper

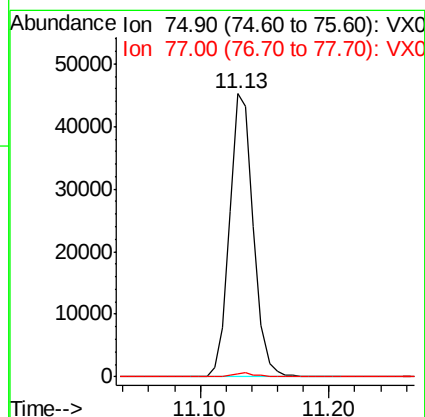
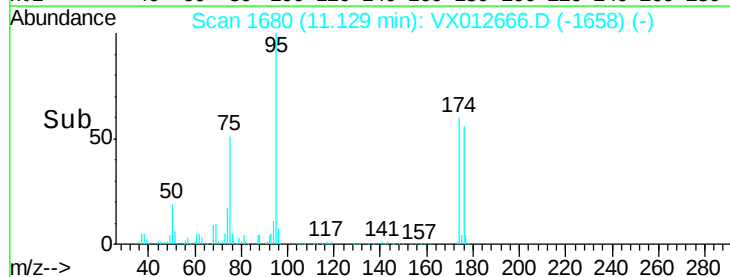
75 100

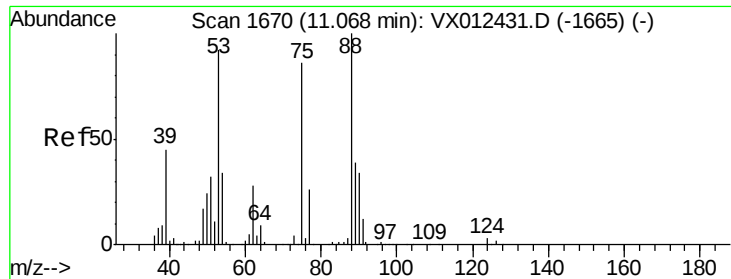
77 1.3 19.7 59.0#



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: 73.481 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012666.D

Acq: 26 Sep 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

VX0926WBL01

Tgt Ion: 75 Resp: 58820

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.1 36.3 54.5#

