

Data File : VX008827.D
Acq On : 11 Apr 2019 00:28
Operator : JC/SP
Sample : K2316-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SPLP-LECHATE-AMND-CS-2

Quant Time: Apr 11 05:57:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	197609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	320124	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	279750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116613	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	132236	45.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.76%	
35) Dibromofluoromethane	5.49	113	79780	38.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.96%	
50) Toluene-d8	8.71	98	403553	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
62) 4-Bromofluorobenzene	11.13	95	134210	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	

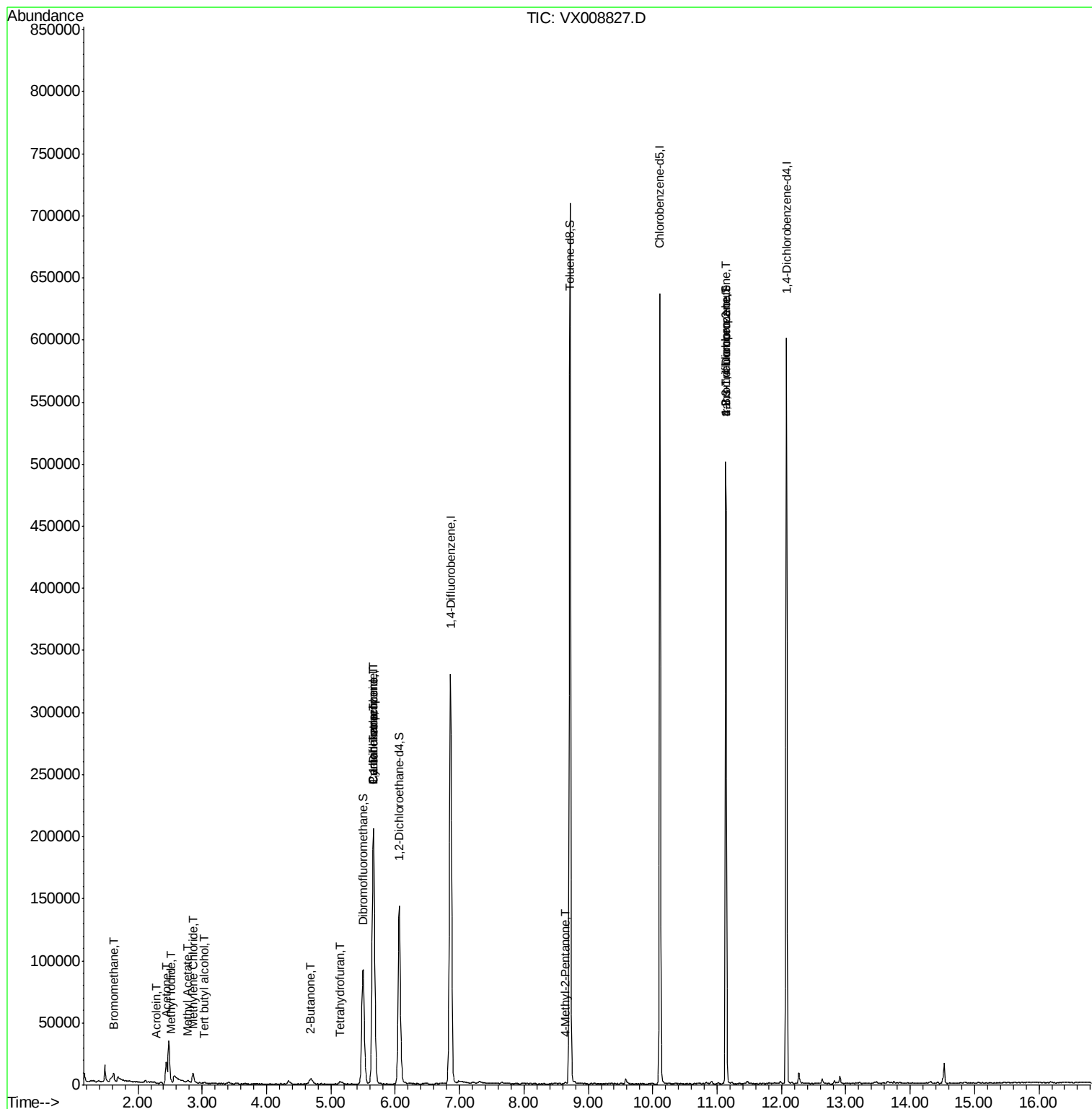
Target Compounds			Qvalue			
3) Chloromethane	1.32	50	338	Below Cal	#	51
5) Bromomethane	1.64	94	257	2.049	ug/l	86
6) Chloroethane	1.71	64	74	Below Cal	#	43
10) Methyl Iodide	2.52	142	80	4.040	ug/l	# 42
11) Tert butyl alcohol	3.04	59	785	1.163	ug/l	96
13) Acrolein	2.29	56	136	0.406	ug/l	# 61
16) Acetone	2.44	43	20075	12.093	ug/l	96
17) Carbon Disulfide	2.57	76	1134	Below Cal	#	86
18) Methyl Acetate	2.78	43	1867	0.464	ug/l	# 90
20) Methylene Chloride	2.85	84	3438	1.237	ug/l	92
25) 2-Butanone	4.68	43	4714	1.797	ug/l	97
28) Bromochloromethane	5.02	49	39	Below Cal	#	22
29) Tetrahydrofuran	5.13	42	1908	1.096	ug/l	# 89
31) Cyclohexane	5.66	56	4643	0.932	ug/l	# 1
36) 1,1-Dichloropropene	5.66	75	16046	4.586	ug/l	# 50
38) Carbon Tetrachloride	5.66	117	18902	6.526	ug/l	# 17
51) 4-Methyl-2-Pentanone	8.65	43	1273	0.270	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	68130	21.268	ug/l	# 34
81) trans-1,4-Dichloro-2-buten	11.13	75	68130	58.625	ug/l	# 9

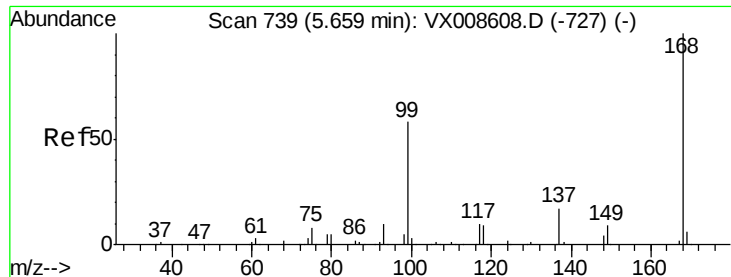
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008827.D

Acq: 11 Apr 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

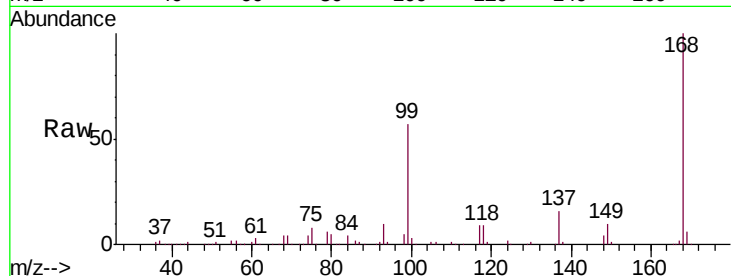
SPLP-LECHATE-AMND-CS-2

Tgt Ion:168 Resp: 197609

Ion Ratio Lower Upper

168 100

99 57.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

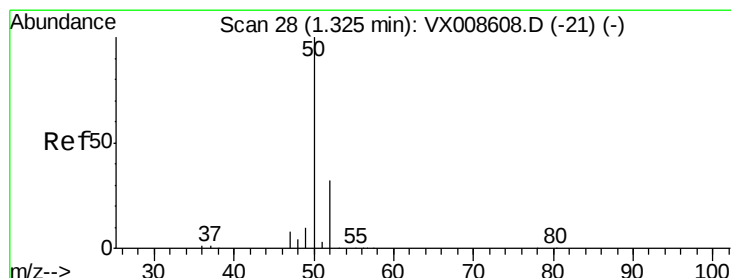
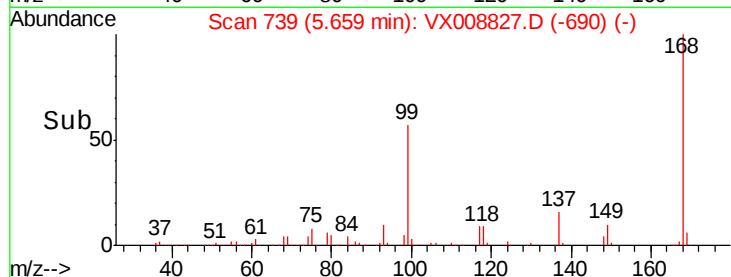
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008827.D

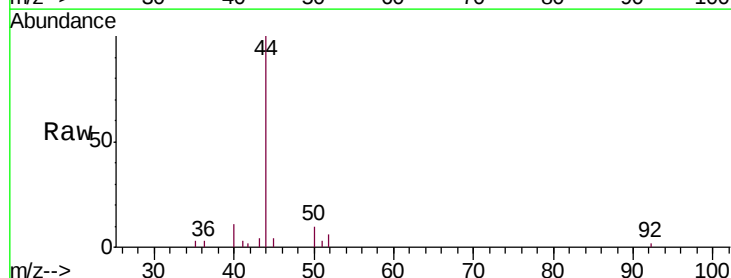
Acq: 11 Apr 2019 00:28

Tgt Ion: 50 Resp: 338

Ion Ratio Lower Upper

50 100

52 59.9 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

250

200

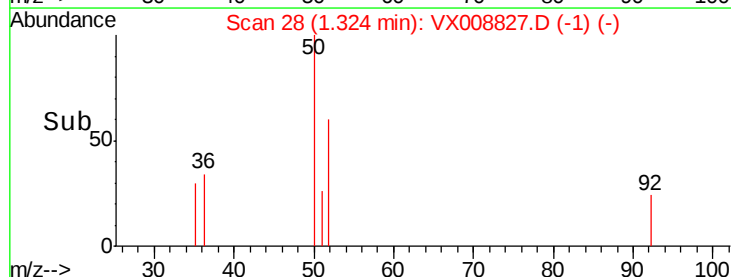
150

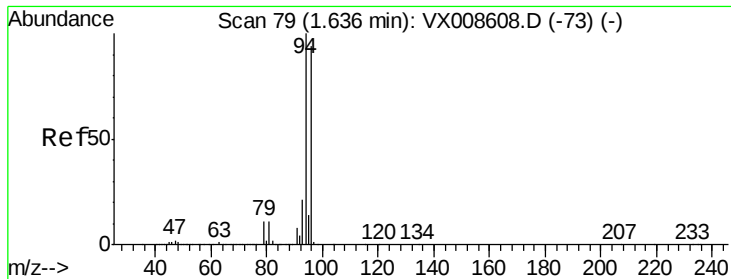
100

50

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.049 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008827.D

Acq: 11 Apr 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

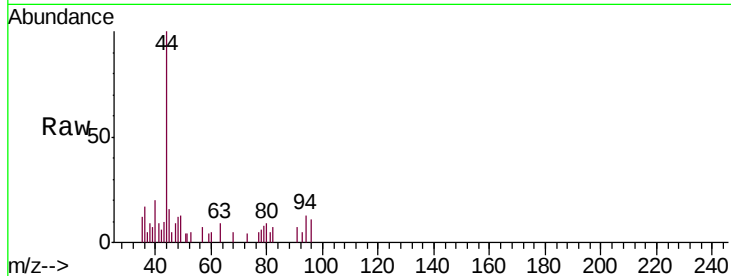
SPLP-LECHATE-AMND-CS-2

Tgt Ion: 94 Resp: 257

Ion Ratio Lower Upper

94 100

96 80.7 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

150

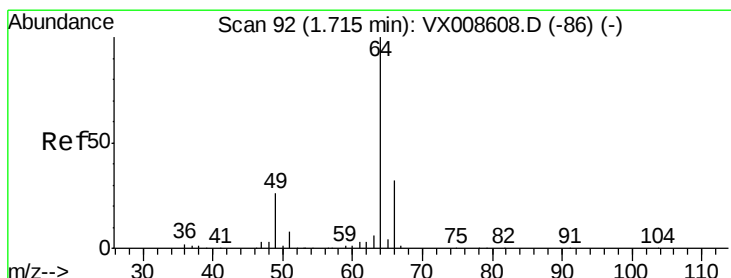
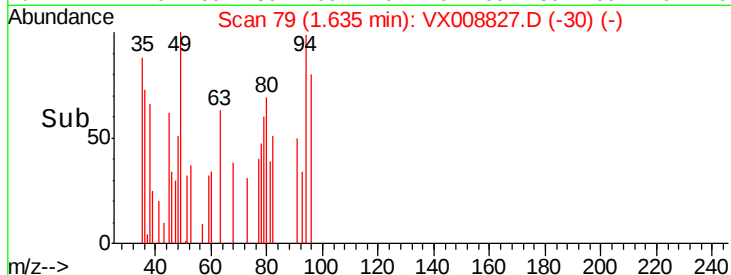
100

50

0

Time-->

1.60 1.62 1.64 1.66 1.68



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008827.D

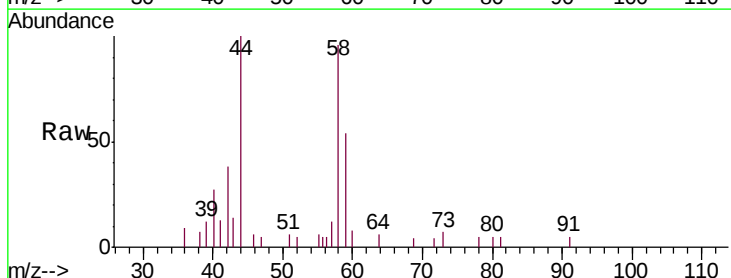
Acq: 11 Apr 2019 00:28

Tgt Ion: 64 Resp: 74

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

80

60

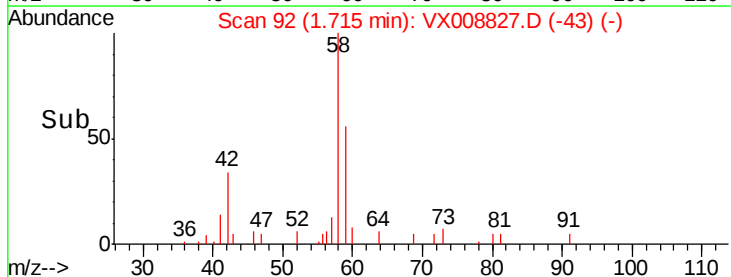
40

20

0

Time-->

1.70 1.72 1.74

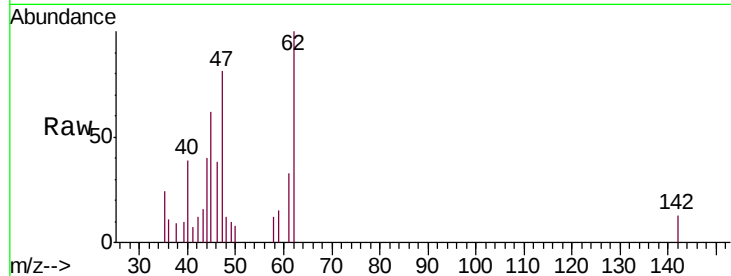




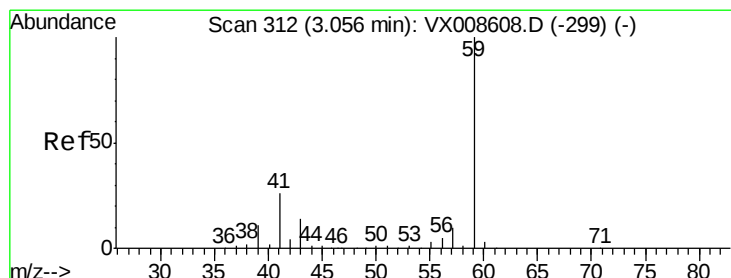
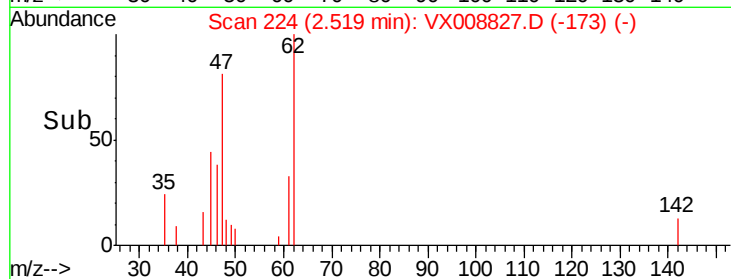
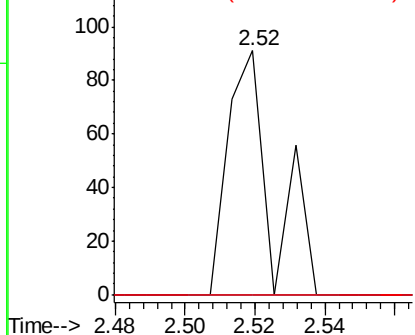
#10
Methyl Iodide
Concen: 4.040 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX008827.D
Acq: 11 Apr 2019 00:28

Instrument :
MSVOA_X
ClientSampleId :
SPLP-LECHATE-AMND-CS-2

Tgt Ion: 142 Resp: 80
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.6#
141 0.0 11.4 17.2#

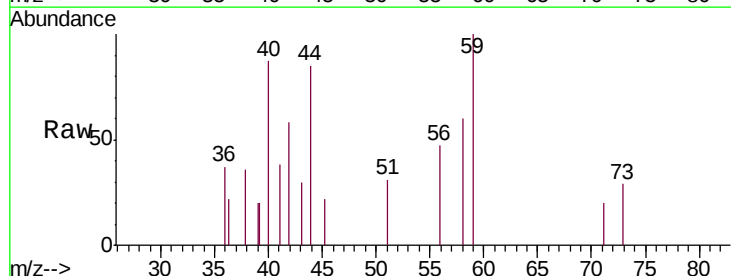


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

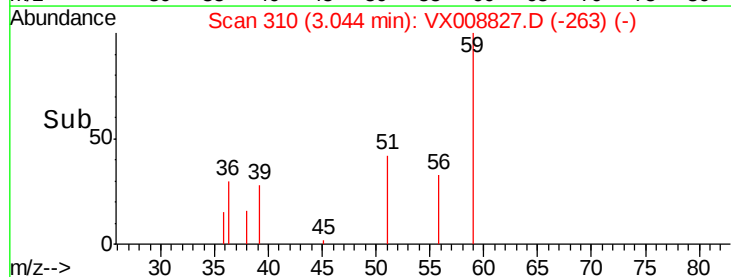
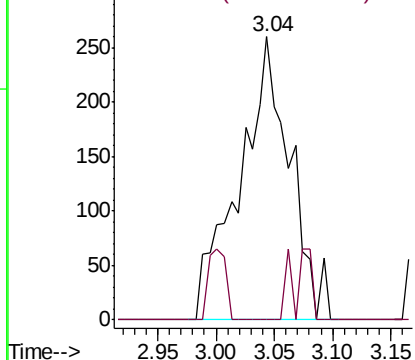


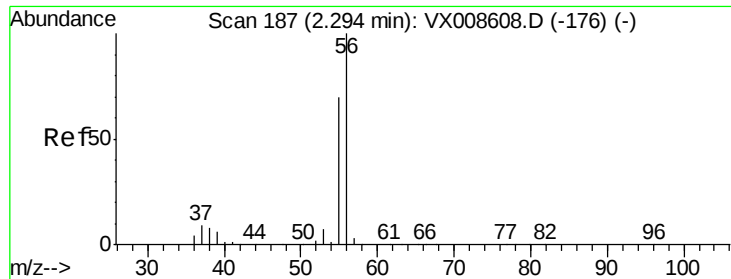
#11
Tert butyl alcohol
Concen: 1.163 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008827.D
Acq: 11 Apr 2019 00:28

Tgt Ion: 59 Resp: 785
Ion Ratio Lower Upper
59 100
57 9.0 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.406 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008827.D

Acq: 11 Apr 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

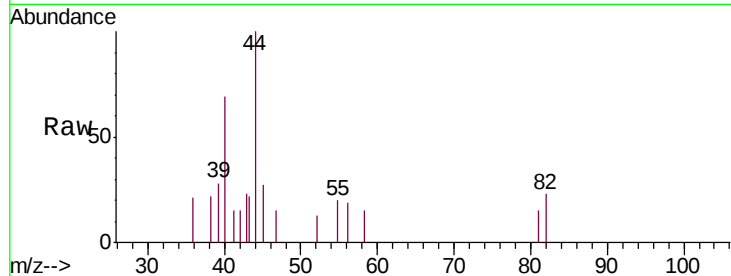
SPLP-LECHATE-AMND-CS-2

Tgt Ion: 56 Resp: 136

Ion Ratio Lower Upper

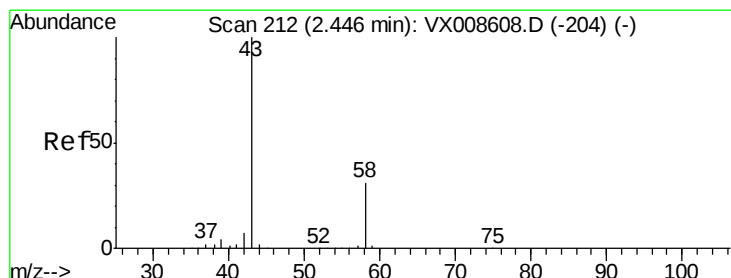
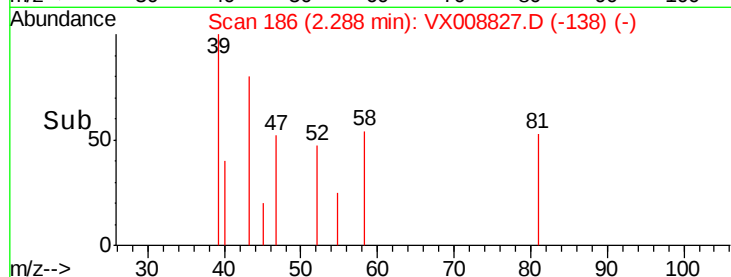
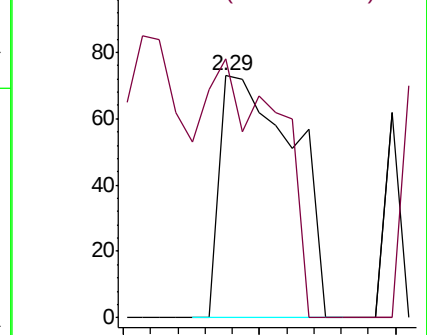
56 100

55 105.1 58.0 87.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 12.093 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008827.D

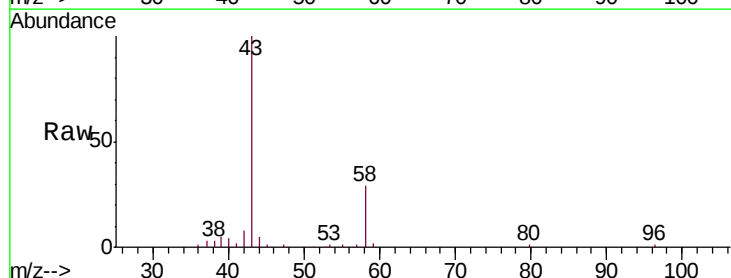
Acq: 11 Apr 2019 00:28

Tgt Ion: 43 Resp: 20075

Ion Ratio Lower Upper

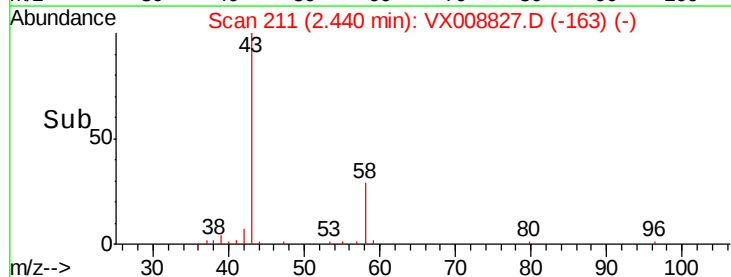
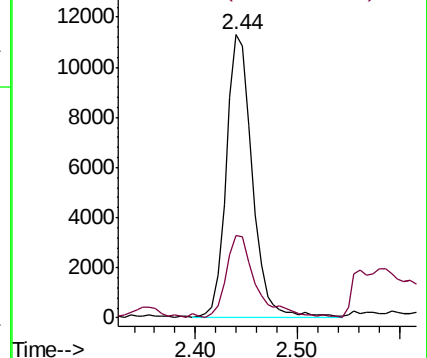
43 100

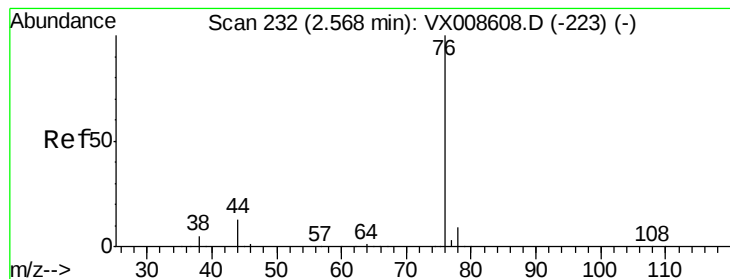
58 29.0 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008827.D

Acq: 11 Apr 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

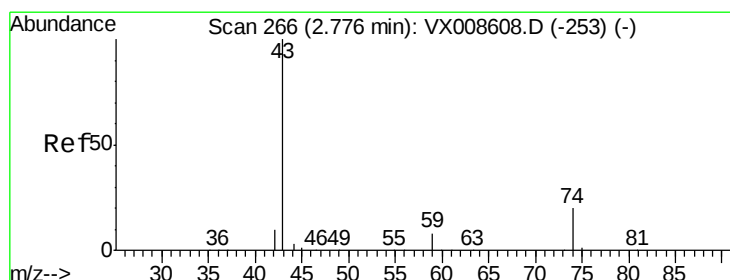
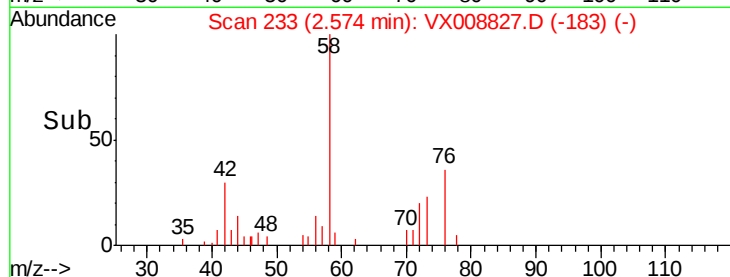
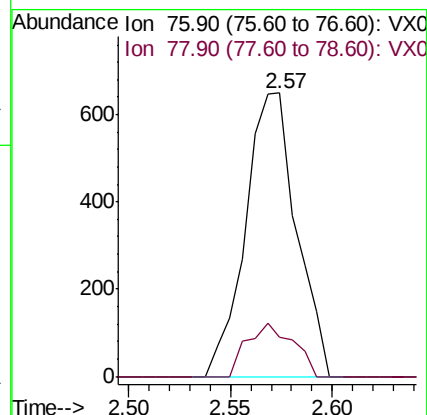
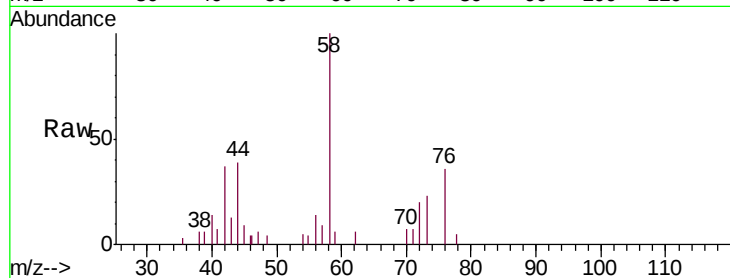
SPLP-LECHATE-AMND-CS-2

Tgt Ion: 76 Resp: 1134

Ion Ratio Lower Upper

76 100

78 13.9 7.1 10.7#



#18

Methyl Acetate

Concen: 0.464 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008827.D

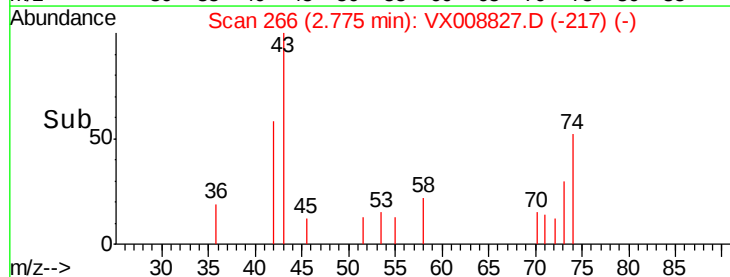
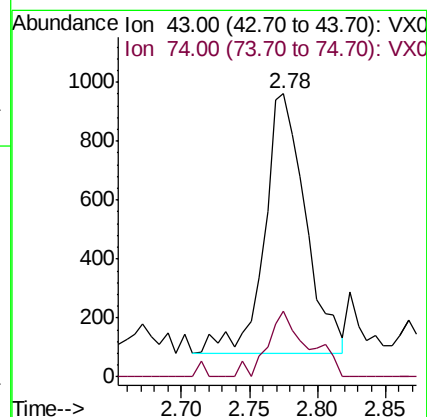
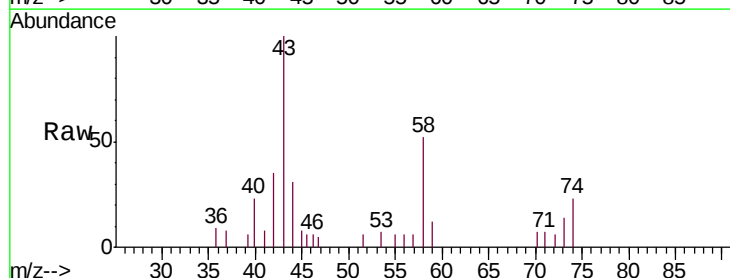
Acq: 11 Apr 2019 00:28

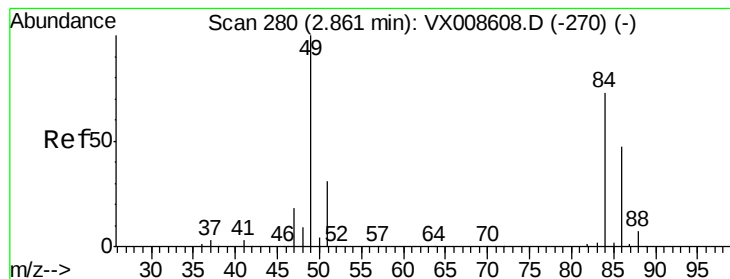
Tgt Ion: 43 Resp: 1867

Ion Ratio Lower Upper

43 100

74 25.2 16.5 24.7#





#20

Methylene Chloride

Concen: 1.237 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX008827.D

Acq: 11 Apr 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

SPLP-LECHATE-AMND-CS-2

Tgt Ion: 84 Resp: 3438

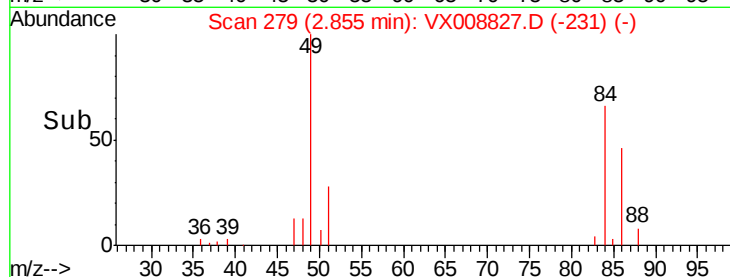
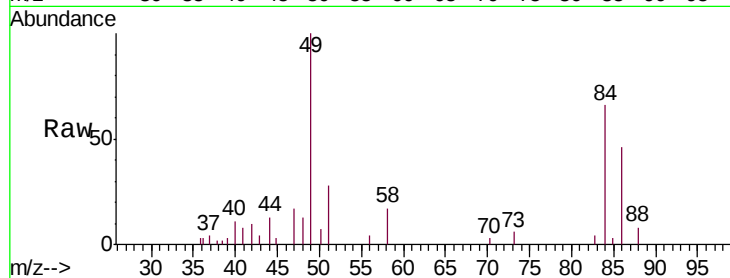
Ion Ratio Lower Upper

84 100

49 151.0 109.7 164.5

51 42.5 33.6 50.4

86 69.5 51.4 77.2

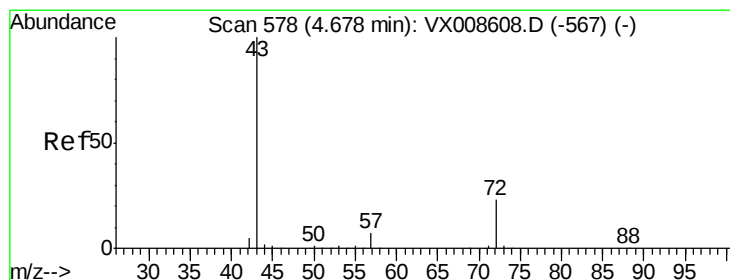
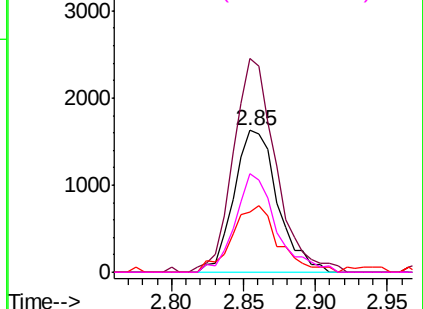


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#25

2-Butanone

Concen: 1.797 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008827.D

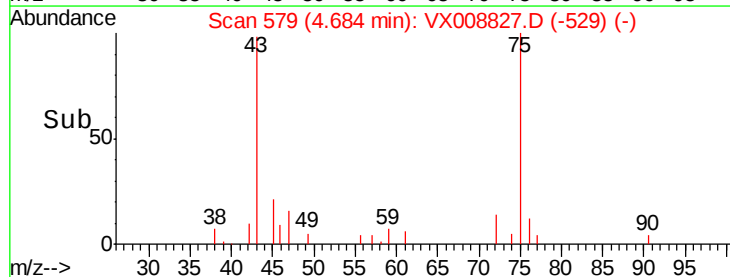
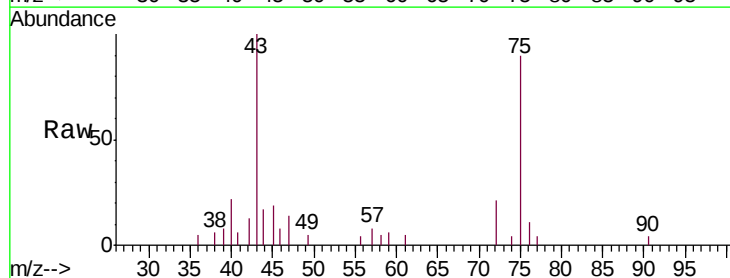
Acq: 11 Apr 2019 00:28

Tgt Ion: 43 Resp: 4714

Ion Ratio Lower Upper

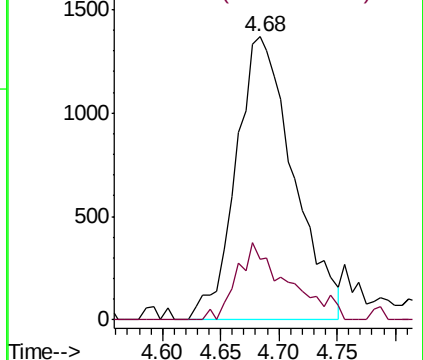
43 100

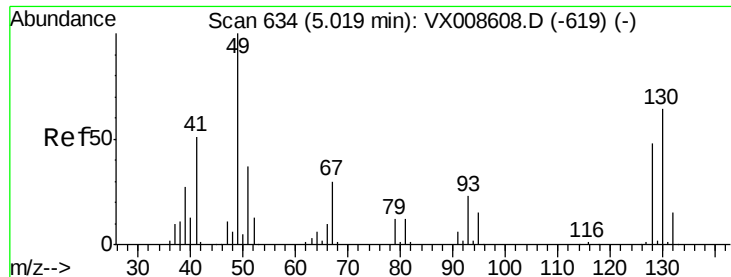
72 21.3 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX008827.D

Acq: 11 Apr 2019 00:28

Instrument :

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SPLP-LECHATE-AMND-CS-2

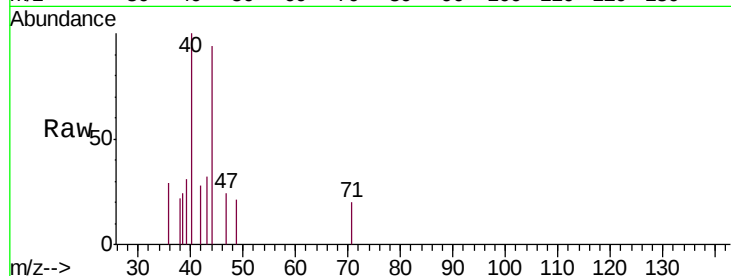
Tgt Ion: 49 Resp: 39

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

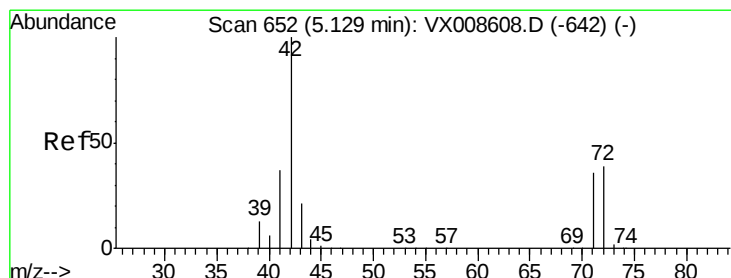
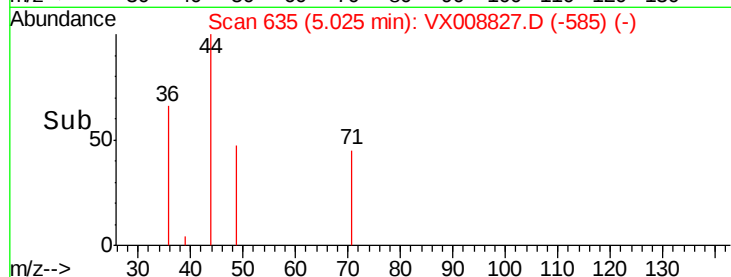
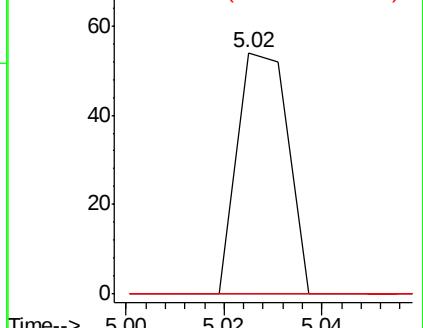
130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 1.096 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX008827.D

Acq: 11 Apr 2019 00:28

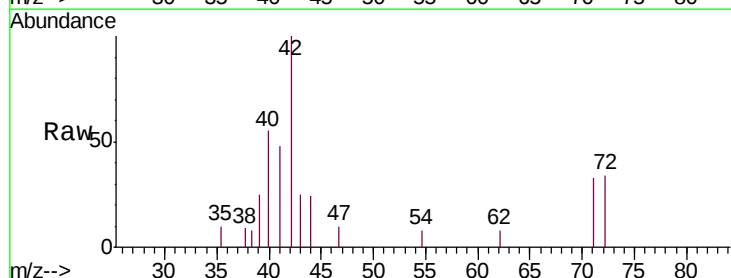
Tgt Ion: 42 Resp: 1908

Ion Ratio Lower Upper

42 100

72 42.8 30.5 45.7

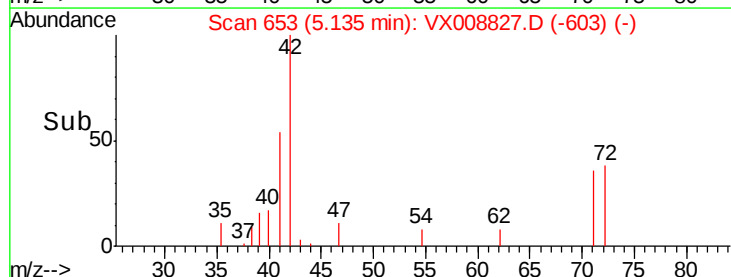
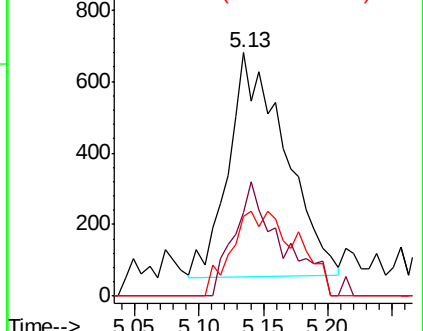
71 43.9 28.6 43.0#

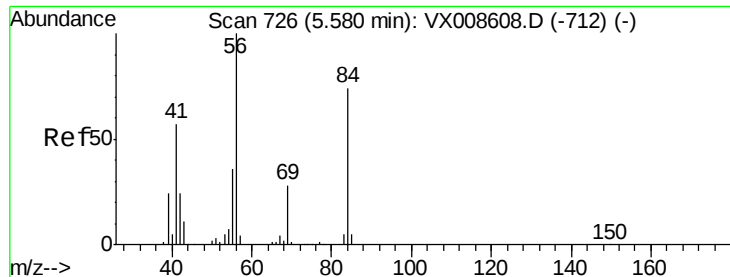


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

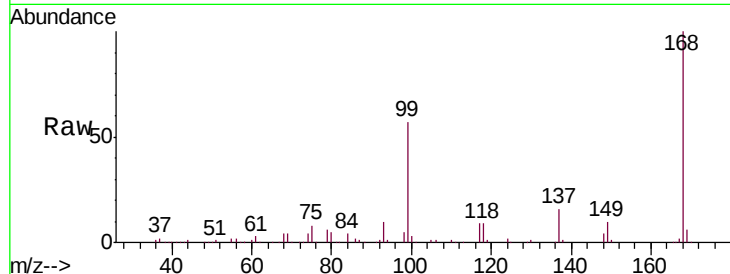




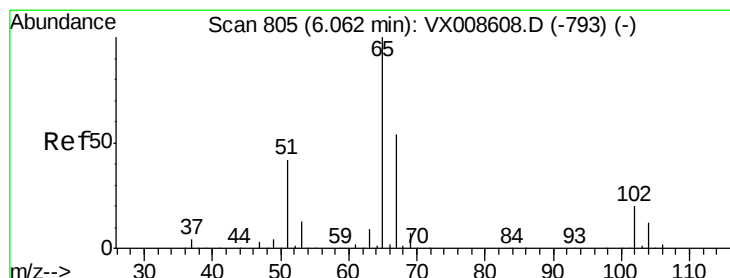
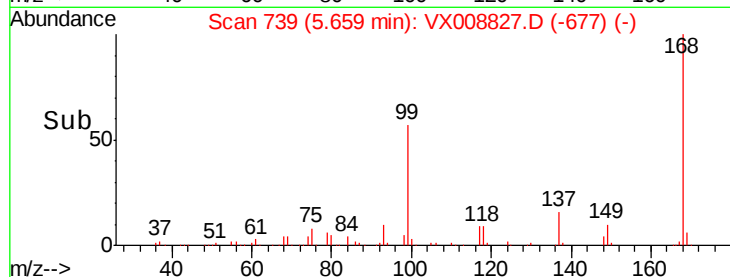
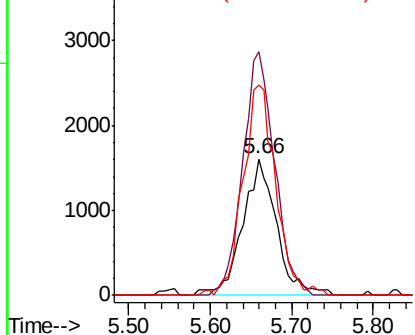
#31
Cyclohexane
Concen: 0.932 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008827.D
Acq: 11 Apr 2019 00:28

Instrument :
MSVOA_X
ClientSampleId :
SPLP-LECHATE-AMND-CS-2

Tgt Ion: 56 Resp: 4643
Ion Ratio Lower Upper
56 100
69 178.2 22.6 33.8#
84 153.7 59.3 88.9#

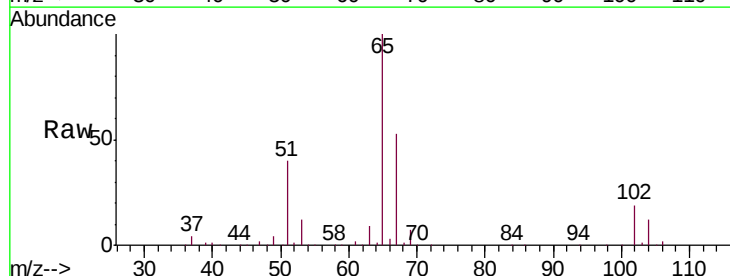


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

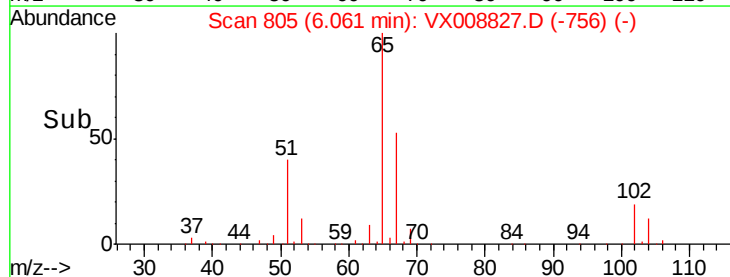
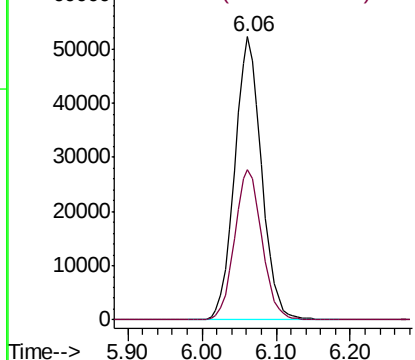


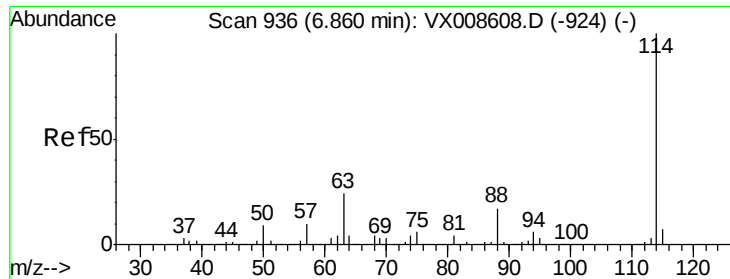
#33
1,2-Dichloroethane-d4
Concen: 45.880 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008827.D
Acq: 11 Apr 2019 00:28

Tgt Ion: 65 Resp: 132236
Ion Ratio Lower Upper
65 100
67 54.3 0.0 107.2



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

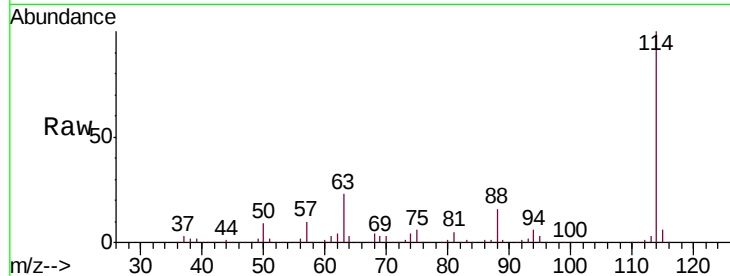




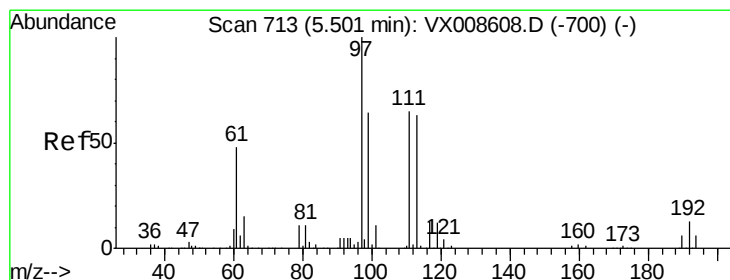
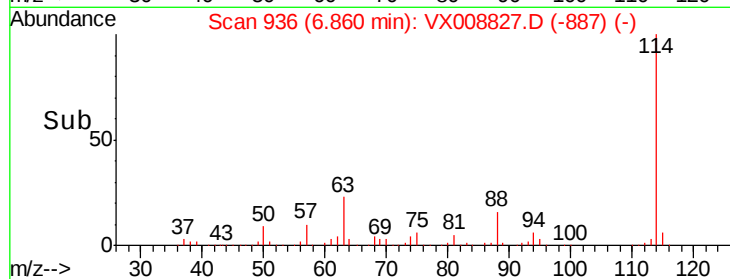
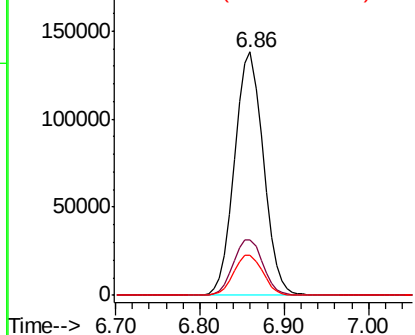
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008827.D
 Acq: 11 Apr 2019 00:28

Instrument :
 MSVOA_X
 ClientSampleId :
 SPLP-LECHATE-AMND-CS-2

Tgt Ion:114 Resp: 320124
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 47.2
 88 16.4 0.0 34.0

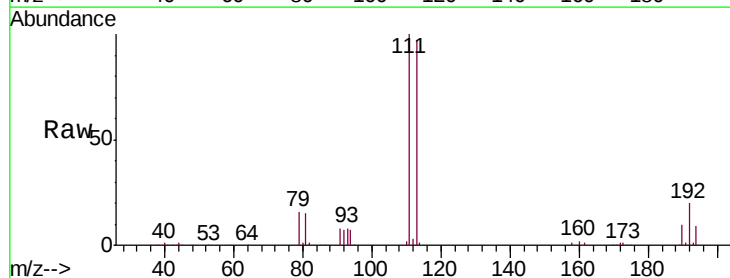


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

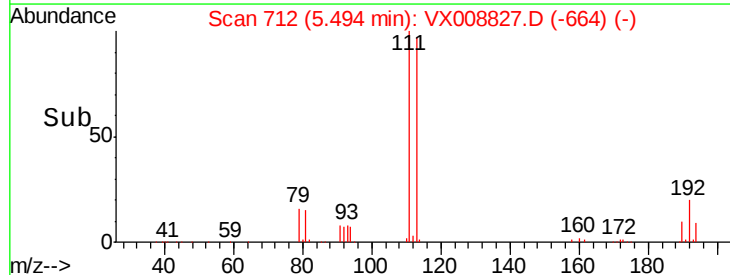
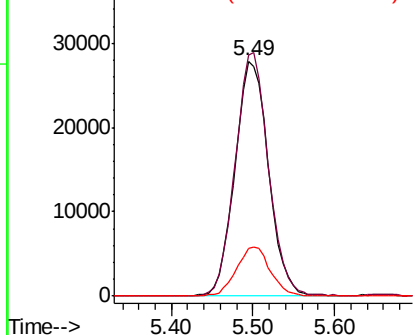


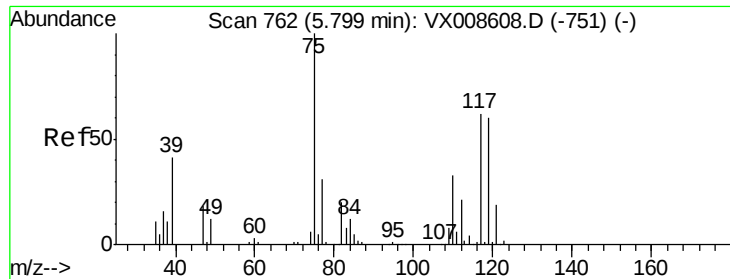
#35
 Dibromofluoromethane
 Concen: 38.979 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX008827.D
 Acq: 11 Apr 2019 00:28

Tgt Ion:113 Resp: 79780
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.4 125.2
 192 21.0 16.1 24.1



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

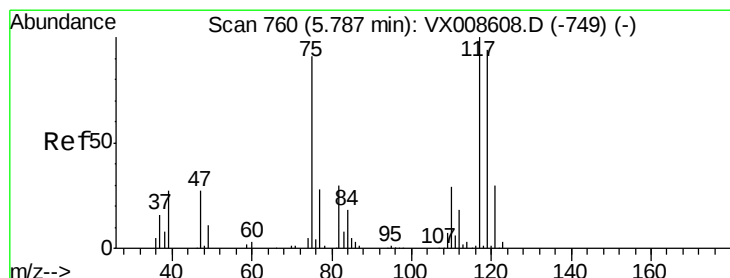
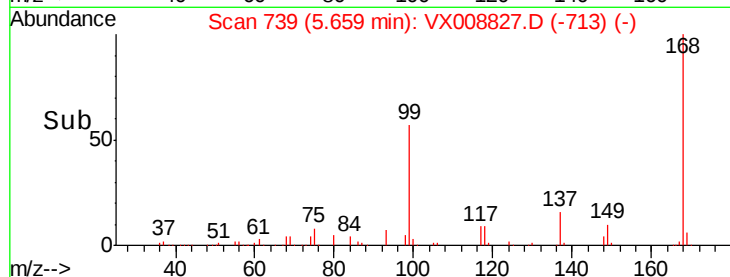
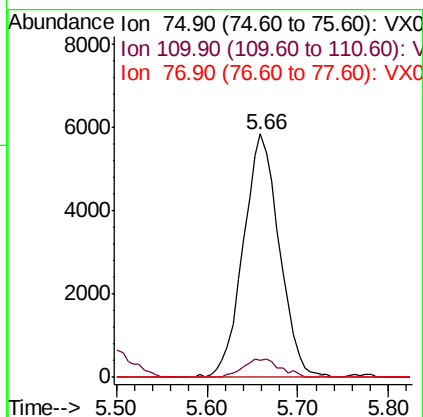
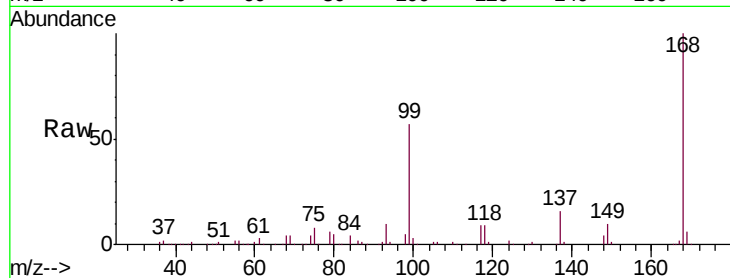




#36
 1,1-Dichloropropene
 Concen: 4.586 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008827.D
 Acq: 11 Apr 2019 00:28

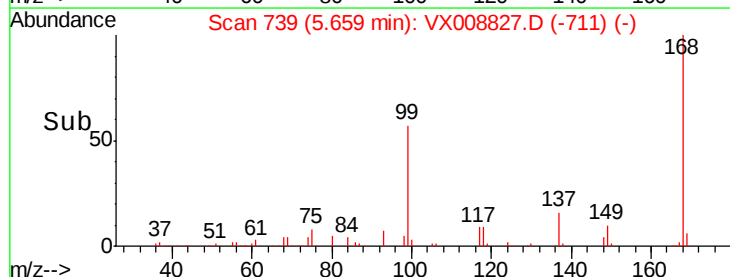
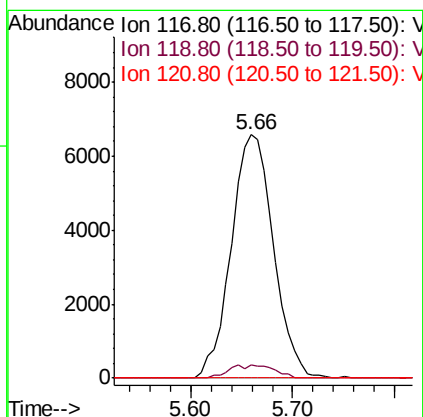
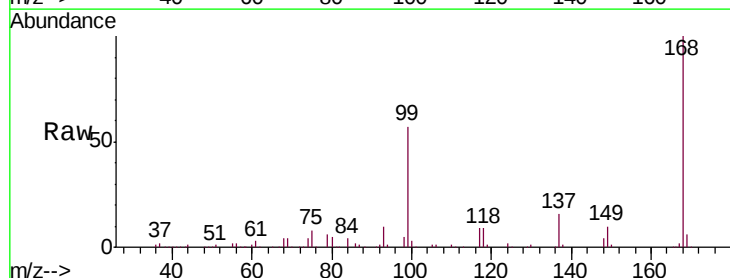
Instrument :
 MSVOA_X
 ClientSampleId :
 SPLP-LECHATE-AMND-CS-2

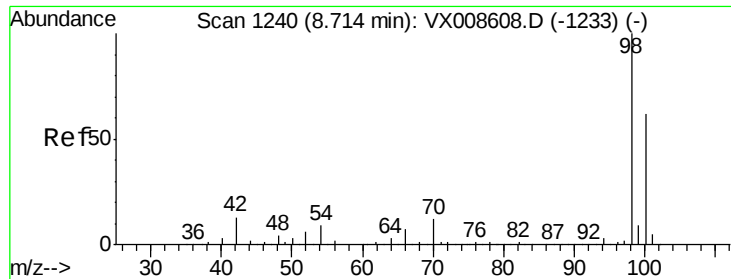
Tgt Ion: 75 Resp: 16046
 Ion Ratio Lower Upper
 75 100
 110 7.7 16.4 49.2#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.526 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008827.D
 Acq: 11 Apr 2019 00:28

Tgt Ion: 117 Resp: 18902
 Ion Ratio Lower Upper
 117 100
 119 5.4 75.0 112.6#
 121 0.0 24.3 36.5#

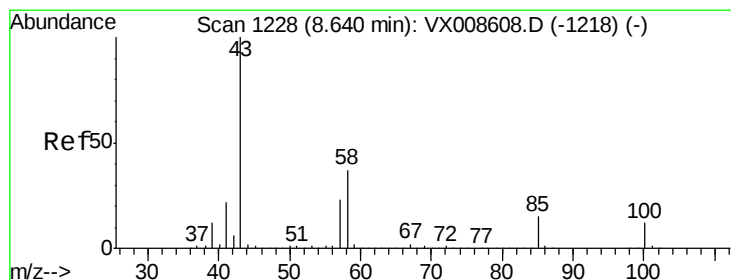
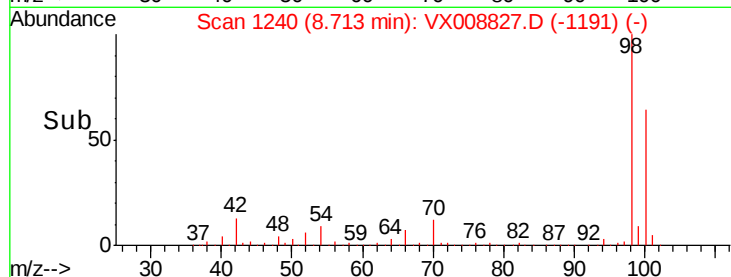
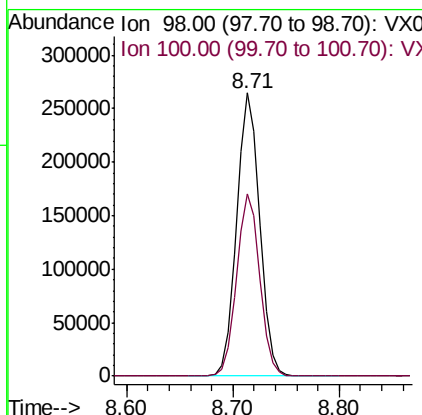
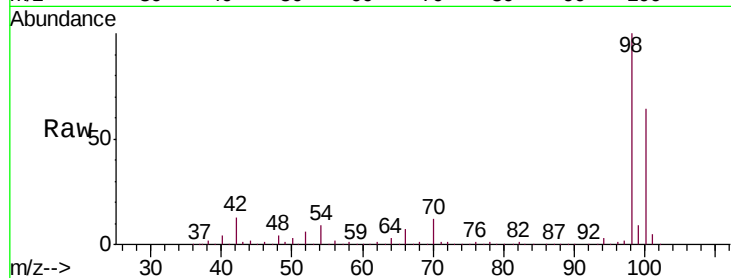




#50
Toluene-d8
Concen: 49.518 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008827.D
Acq: 11 Apr 2019 00:28

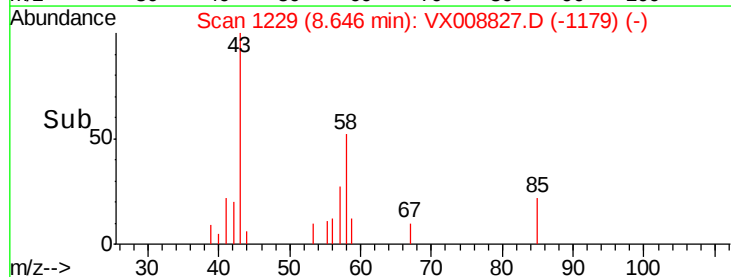
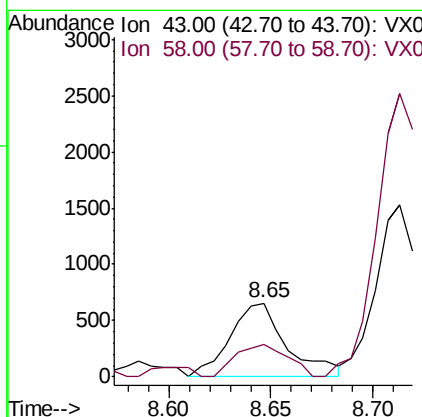
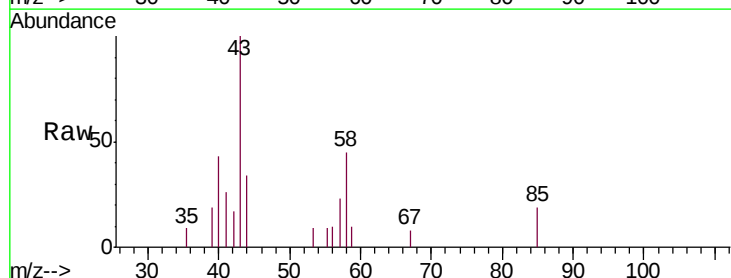
Instrument :
MSVOA_X
ClientSampleId :
SPLP-LECHATE-AMND-CS-2

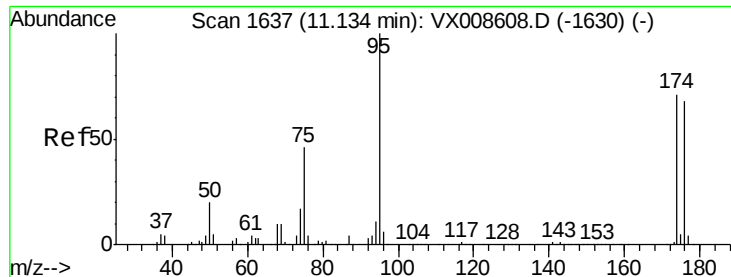
Tgt Ion: 98 Resp: 403553
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.270 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VX008827.D
Acq: 11 Apr 2019 00:28

Tgt Ion: 43 Resp: 1273
Ion Ratio Lower Upper
43 100
58 40.6 29.5 44.3





#62

4-Bromofluorobenzene

Concen: 46.440 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008827.D

Acq: 11 Apr 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

SPLP-LECHATE-AMND-CS-2

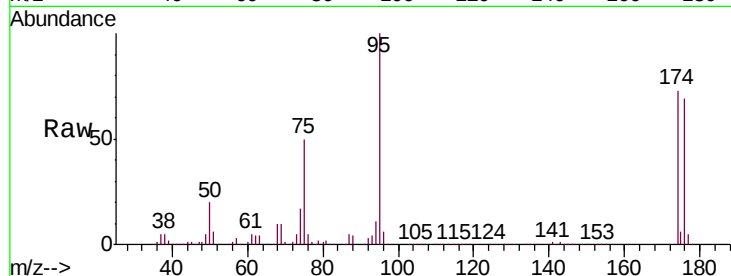
Tgt Ion: 95 Resp: 134210

Ion Ratio Lower Upper

95 100

174 78.5 0.0 151.8

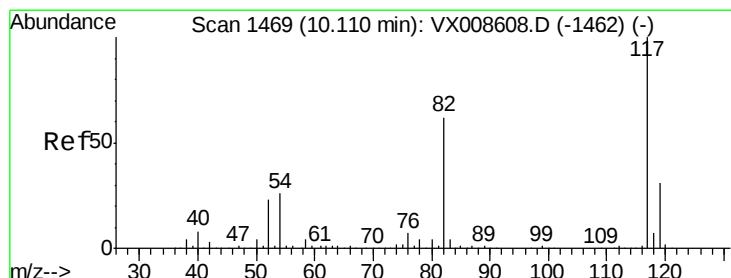
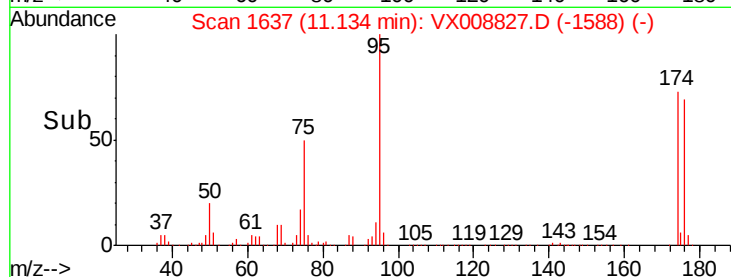
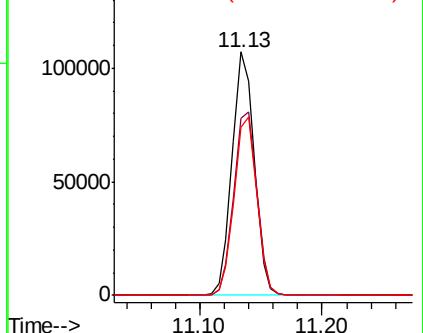
176 75.0 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008608.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008608.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008608.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008827.D

Acq: 11 Apr 2019 00:28

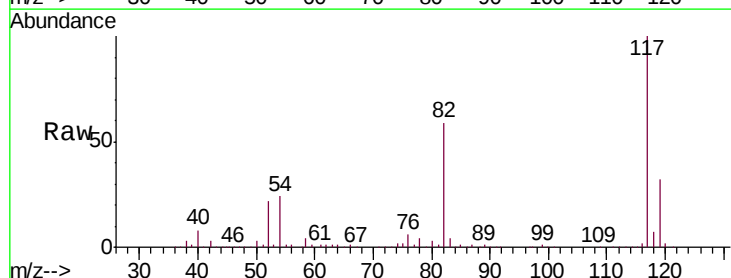
Tgt Ion: 117 Resp: 279750

Ion Ratio Lower Upper

117 100

82 59.5 49.6 74.4

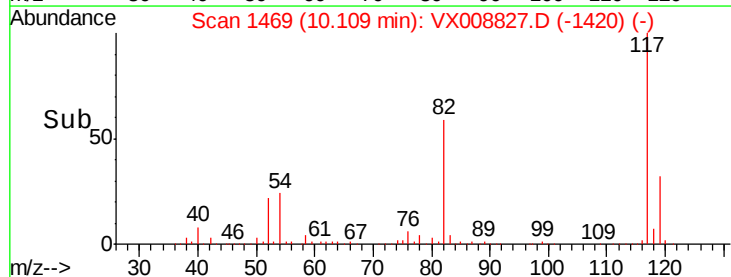
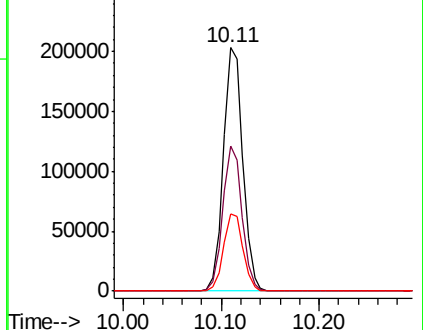
119 31.8 25.0 37.4

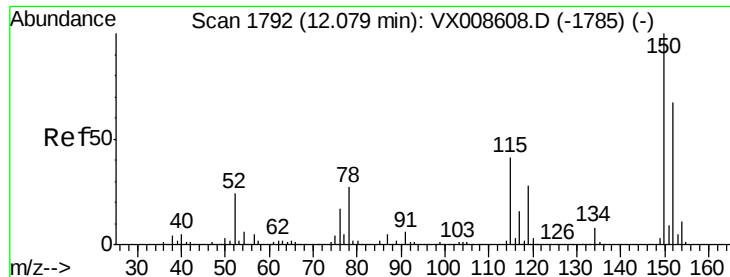


Abundance Ion 116.90 (116.60 to 117.60): VX008608.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008608.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008608.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008827.D

Acq: 11 Apr 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

SPLP-LECHATE-AMND-CS-2

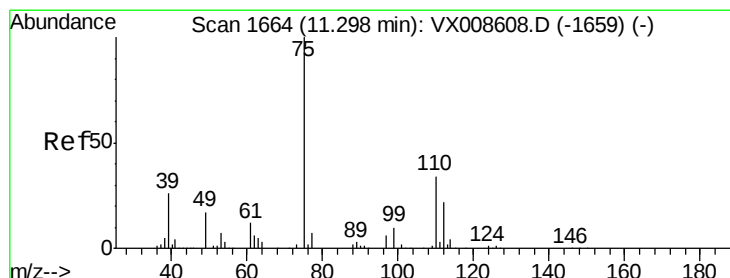
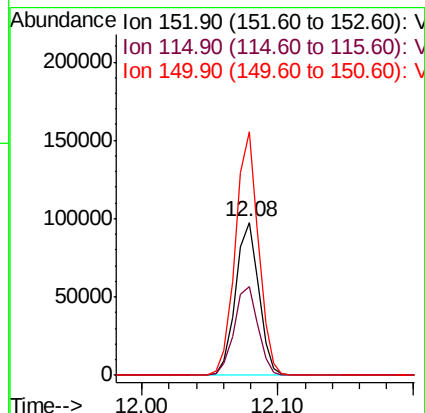
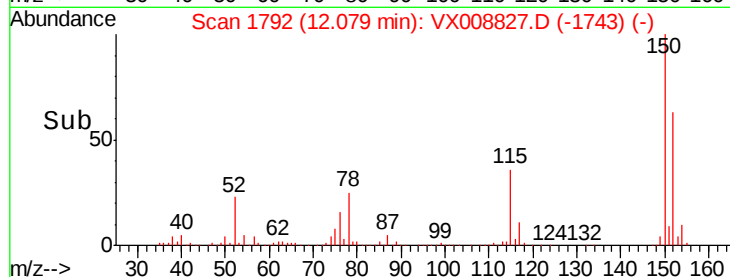
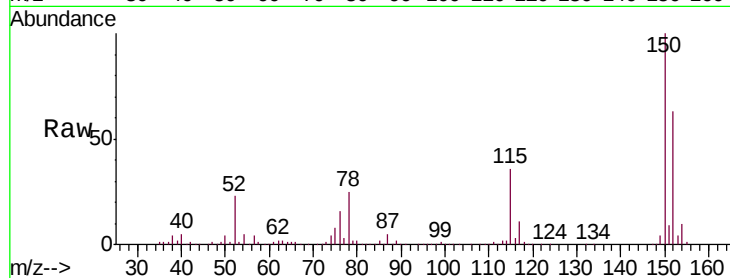
Tgt Ion:152 Resp: 116613

Ion Ratio Lower Upper

152 100

115 59.6 43.5 130.5

150 156.9 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 21.268 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008827.D

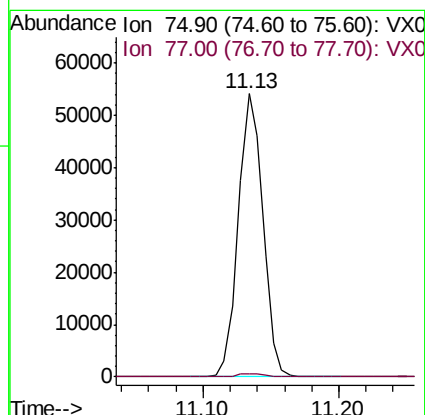
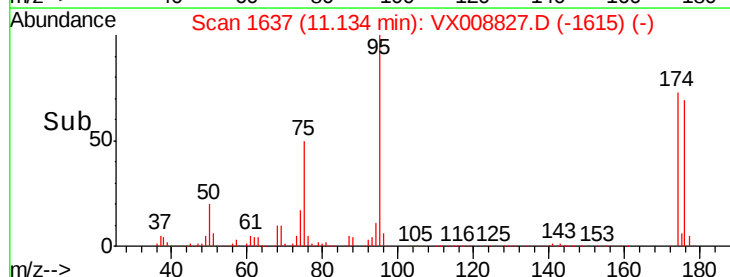
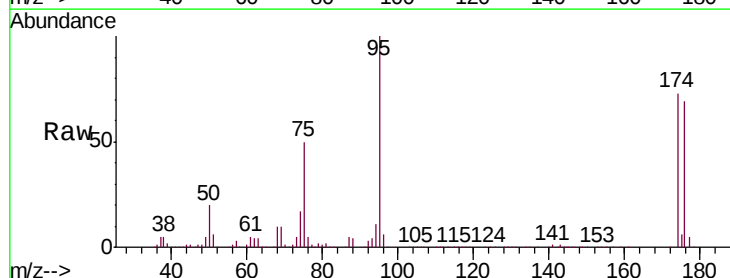
Acq: 11 Apr 2019 00:28

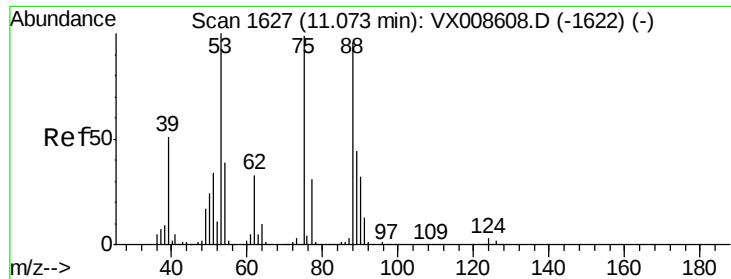
Tgt Ion: 75 Resp: 68130

Ion Ratio Lower Upper

75 100

77 1.3 22.3 66.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 58.625 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008827.D

Acq: 11 Apr 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

SPLP-LECHATE-AMND-CS-2

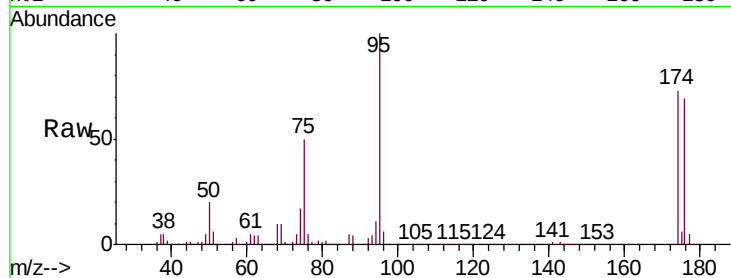
Tgt Ion: 75 Resp: 68130

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#



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

