

Data File : VX008826.D
Acq On : 11 Apr 2019 00:05
Operator : JC/SP
Sample : K2316-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SPLP-LECHATE-AMND-CS-1

Quant Time: Apr 11 05:56:53 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	191013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	310076	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	268393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111383	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	127439	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	
35) Dibromofluoromethane	5.50	113	76889	38.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.56%	
50) Toluene-d8	8.71	98	386093	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	11.13	95	128340	45.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.70%	

Target Compounds

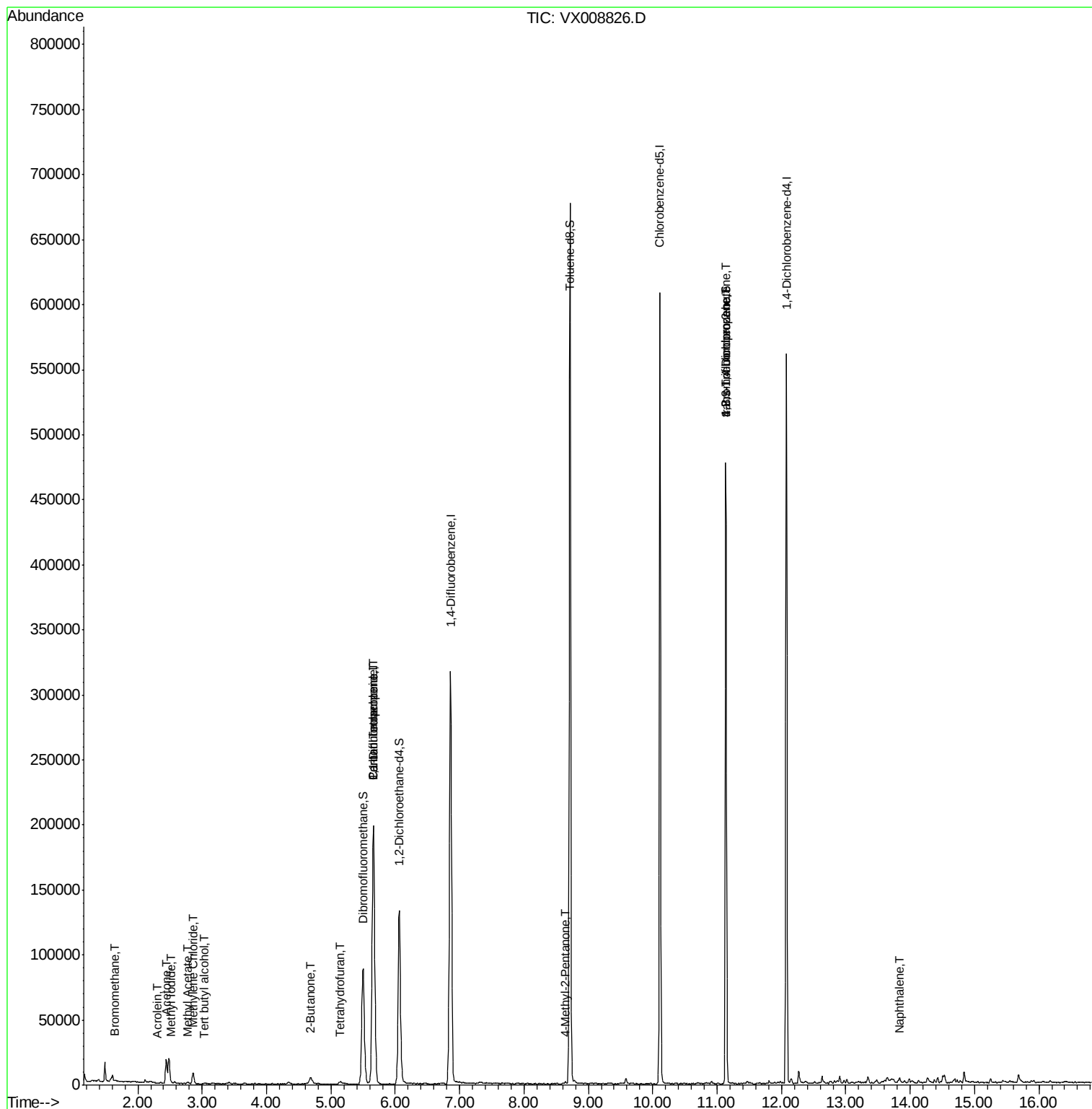
						Qvalue
3) Chloromethane	1.32	50	320	Below Cal	#	79
5) Bromomethane	1.65	94	311	2.090	ug/l	99
6) Chloroethane	1.70	64	104	Below Cal	#	43
10) Methyl Iodide	2.53	142	173	4.086	ug/l #	42
11) Tert butyl alcohol	3.04	59	750	1.150	ug/l #	72
13) Acrolein	2.30	56	135	0.417	ug/l #	1
16) Acetone	2.44	43	20197	12.586	ug/l	98
17) Carbon Disulfide	2.57	76	1643	Below Cal	#	60
18) Methyl Acetate	2.78	43	2115	0.543	ug/l	100
20) Methylene Chloride	2.85	84	3723	1.386	ug/l	97
25) 2-Butanone	4.68	43	5660	2.232	ug/l	96
28) Bromochloromethane	4.93	49	65	Below Cal	#	22
29) Tetrahydrofuran	5.15	42	2240	1.331	ug/l	96
36) 1,1-Dichloropropene	5.65	75	15437	4.554	ug/l #	51
38) Carbon Tetrachloride	5.66	117	18384	6.553	ug/l #	17
51) 4-Methyl-2-Pentanone	8.65	43	1303	0.286	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	64751	21.162	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64751	58.334	ug/l #	9
95) Naphthalene	13.83	128	2094	0.228	ug/l #	90

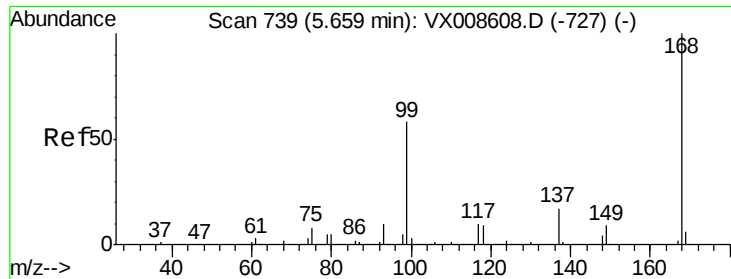
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008826.D

Acq: 11 Apr 2019 00:05

Instrument :

MSVOA_X

ClientSampleId :

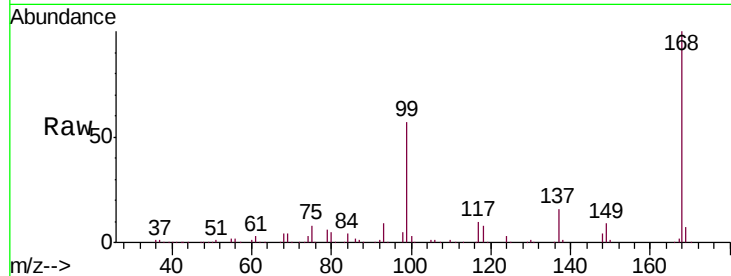
SPLP-LECHATE-AMND-CS-1

Tgt Ion:168 Resp: 191013

Ion Ratio Lower Upper

168 100

99 56.9 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

60000

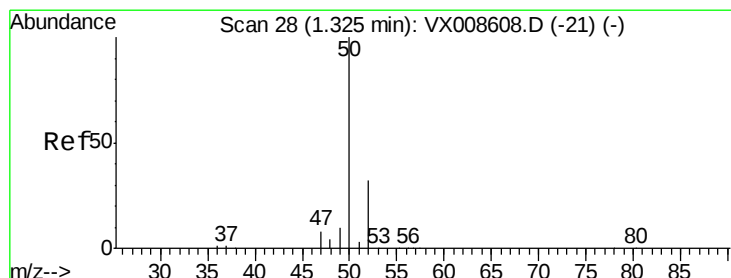
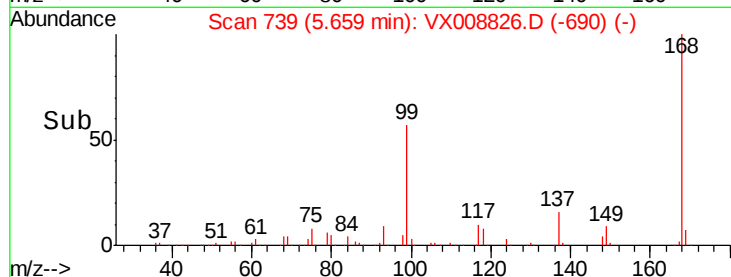
40000

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: VX008826.D

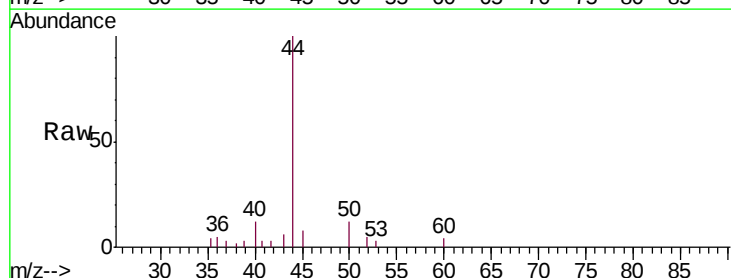
Acq: 11 Apr 2019 00:05

Tgt Ion: 50 Resp: 320

Ion Ratio Lower Upper

50 100

52 43.8 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

300

250

200

150

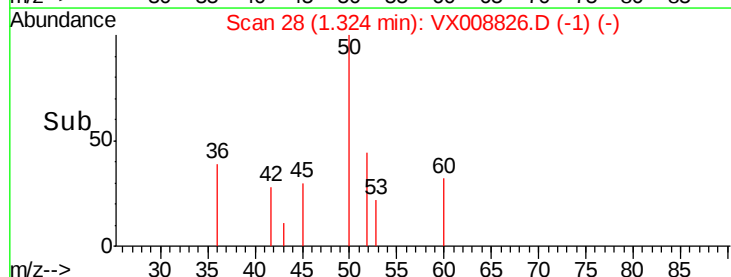
100

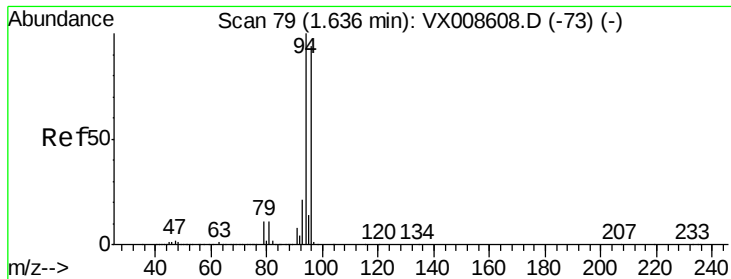
50

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 2.090 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008826.D

Acq: 11 Apr 2019 00:05

Instrument :

MSVOA_X

ClientSampleId :

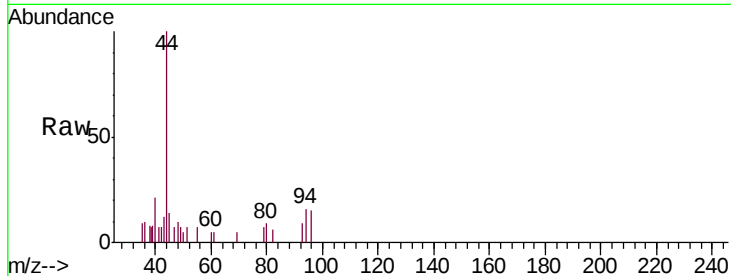
SPLP-LECHATE-AMND-CS-1

Tgt Ion: 94 Resp: 311

Ion Ratio Lower Upper

94 100

96 93.2 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

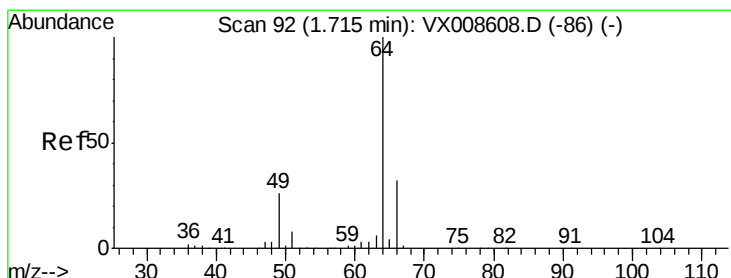
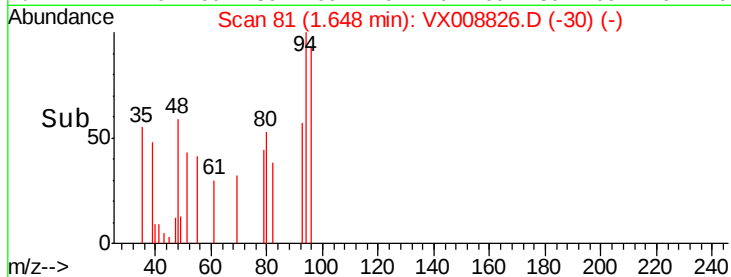
150

100

50

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX008826.D

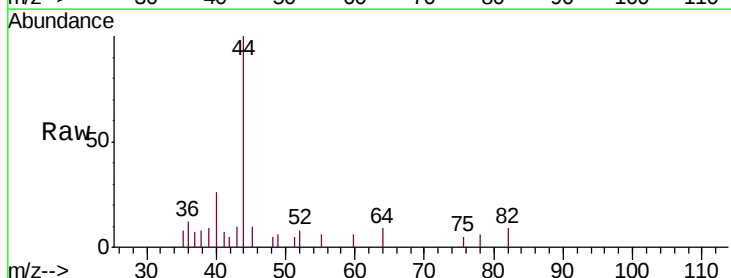
Acq: 11 Apr 2019 00:05

Tgt Ion: 64 Resp: 104

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

1.70

100

80

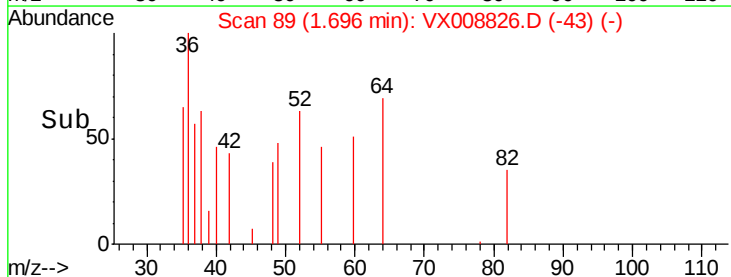
60

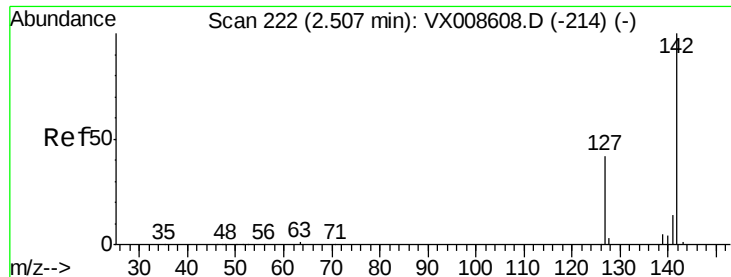
40

20

0

Time-->

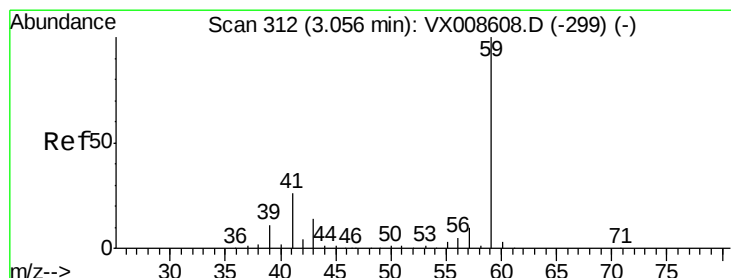
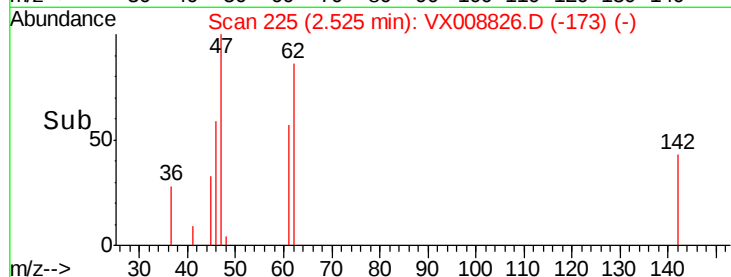
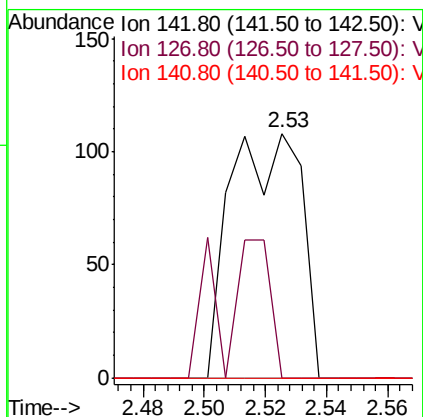
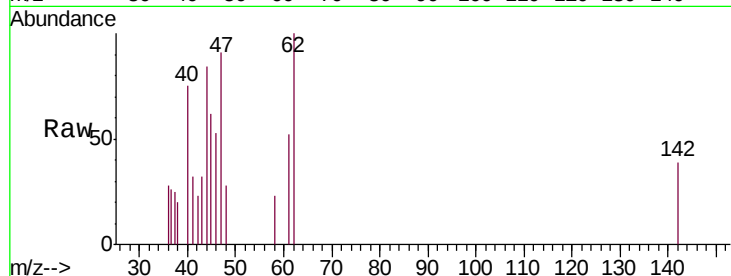




#10
Methyl Iodide
Concen: 4.086 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX008826.D
Acq: 11 Apr 2019 00:05

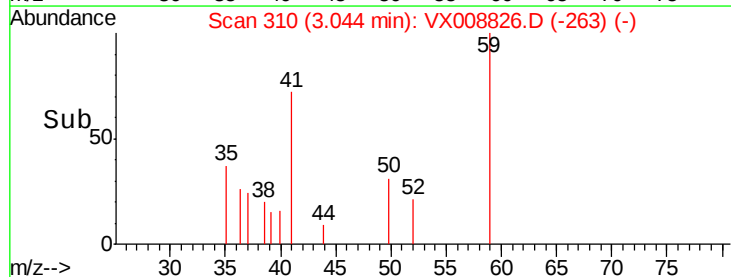
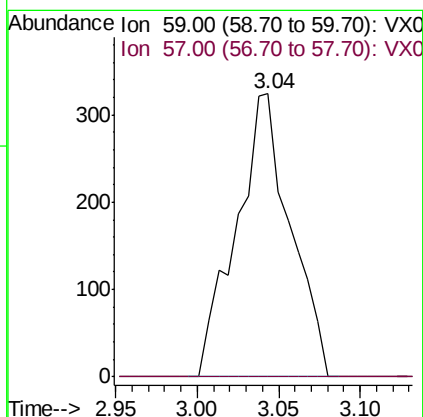
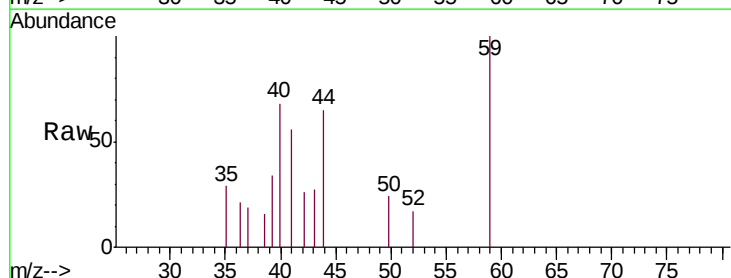
Instrument :
MSVOA_X
ClientSampleId :
SPLP-LECHATE-AMND-CS-1

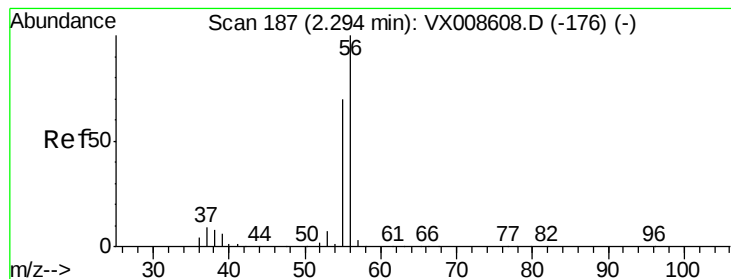
Tgt Ion: 142 Resp: 173
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.6#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.150 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008826.D
Acq: 11 Apr 2019 00:05

Tgt Ion: 59 Resp: 750
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 0.417 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX008826.D

Acq: 11 Apr 2019 00:05

Instrument :

MSVOA_X

ClientSampleId :

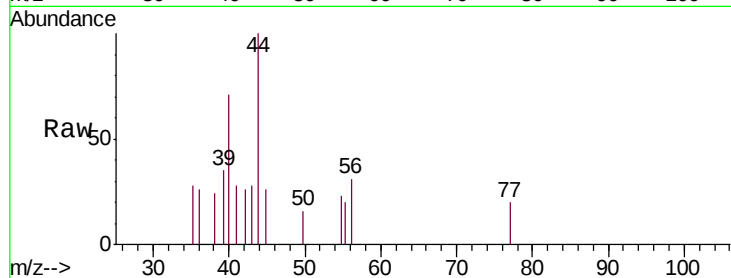
SPLP-LECHATE-AMND-CS-1

Tgt Ion: 56 Resp: 135

Ion Ratio Lower Upper

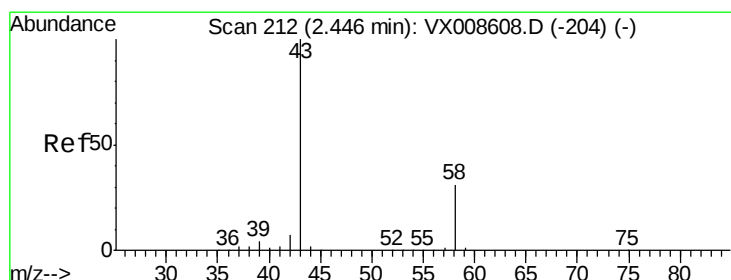
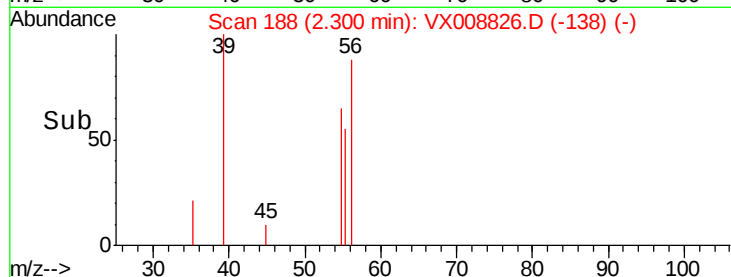
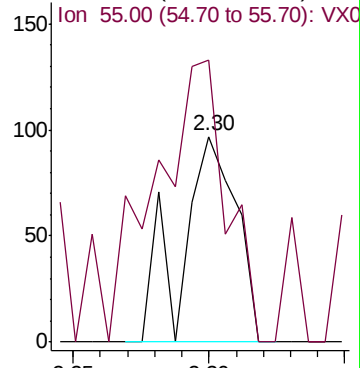
56 100

55 178.5 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: 12.586 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008826.D

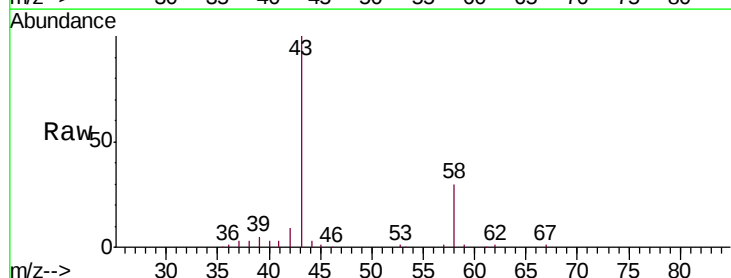
Acq: 11 Apr 2019 00:05

Tgt Ion: 43 Resp: 20197

Ion Ratio Lower Upper

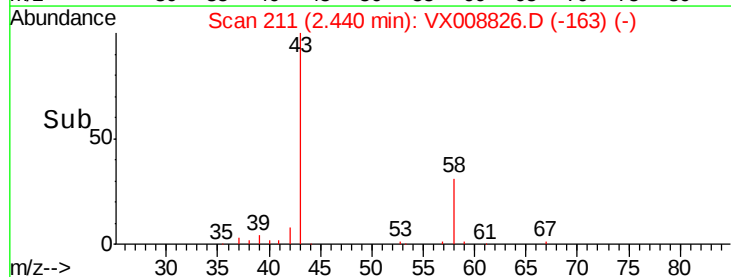
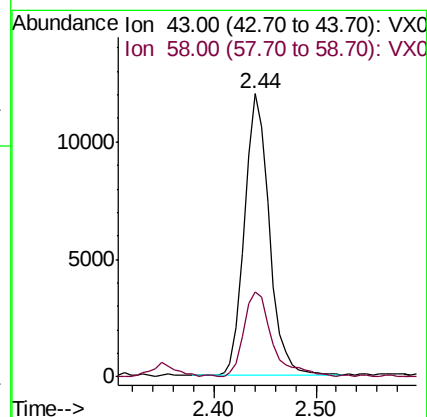
43 100

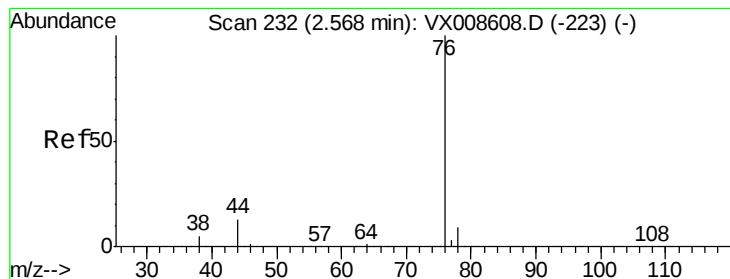
58 29.9 24.8 37.2



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# 232

Delta R.T. 0.00 min

Lab File: VX008826.D

Acq: 11 Apr 2019 00:05

Instrument :

MSVOA_X

ClientSampleId :

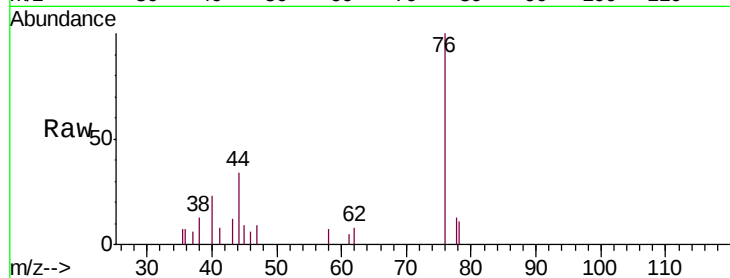
SPLP-LECHATE-AMND-CS-1

Tgt Ion: 76 Resp: 1643

Ion Ratio Lower Upper

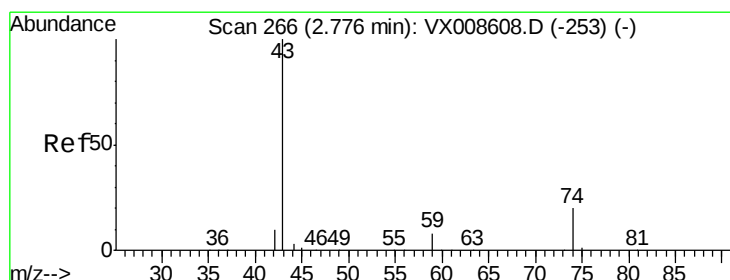
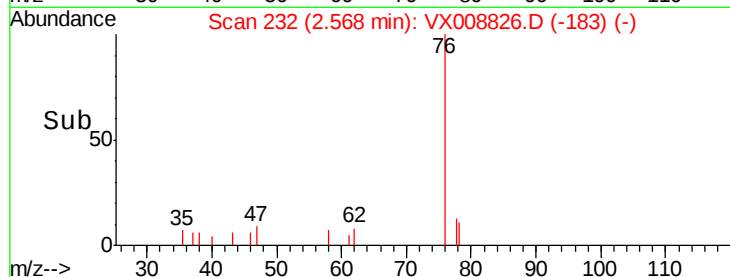
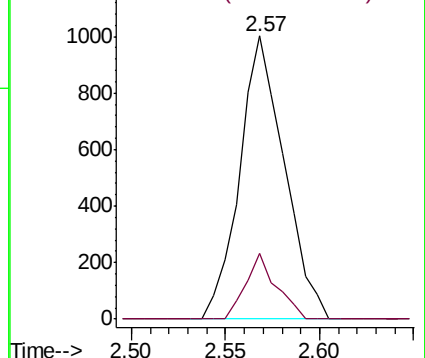
76 100

78 23.3 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.543 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008826.D

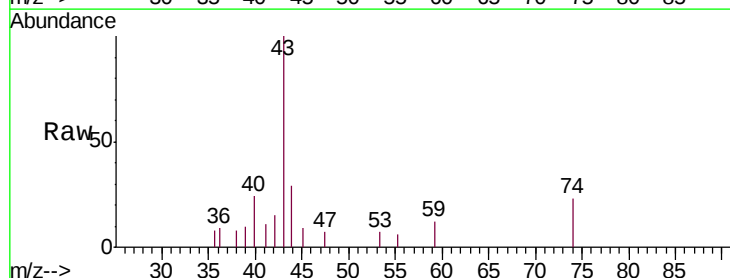
Acq: 11 Apr 2019 00:05

Tgt Ion: 43 Resp: 2115

Ion Ratio Lower Upper

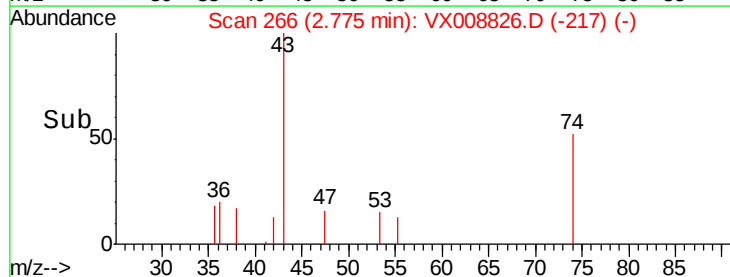
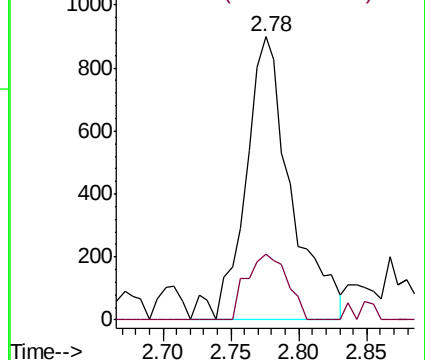
43 100

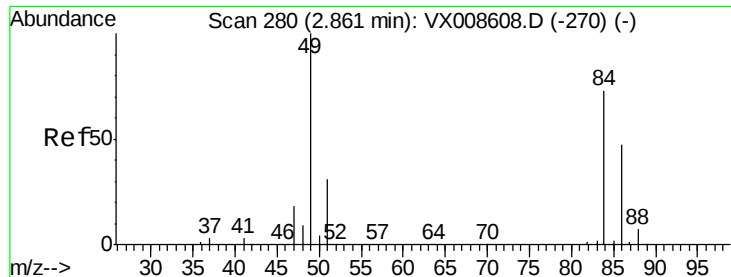
74 20.6 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

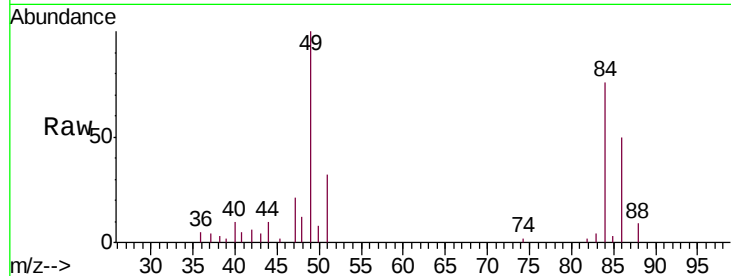




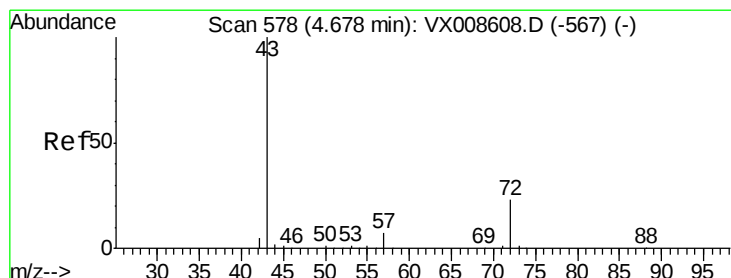
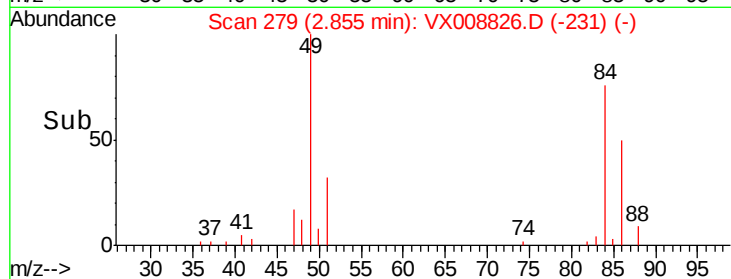
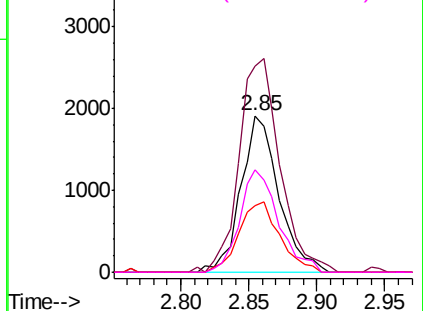
#20
Methylene Chloride
Concen: 1.386 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008826.D
Acq: 11 Apr 2019 00:05

Instrument :
MSVOA_X
ClientSampleId :
SPLP-LECHATE-AMND-CS-1

Tgt Ion: 84 Resp: 3723
Ion Ratio Lower Upper
84 100
49 132.0 109.7 164.5
51 42.4 33.6 50.4
86 65.4 51.4 77.2

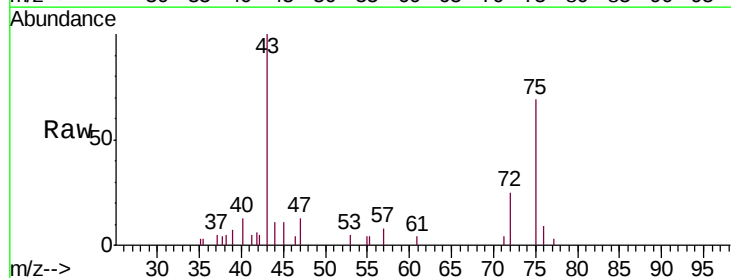


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

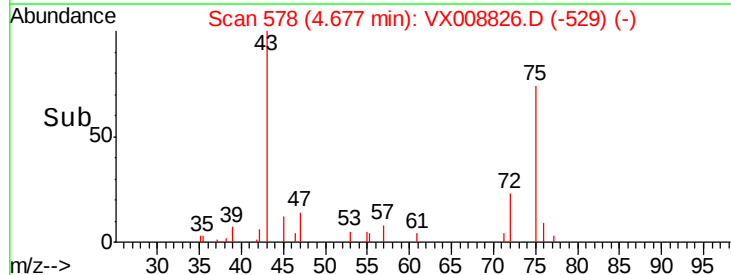
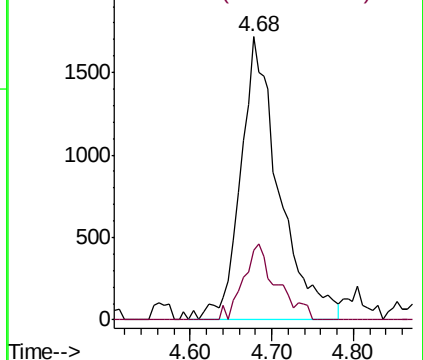


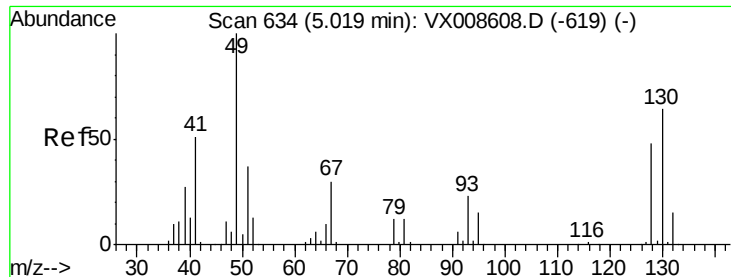
#25
2-Butanone
Concen: 2.232 ug/l
RT: 4.68 min Scan# 578
Delta R.T. -0.00 min
Lab File: VX008826.D
Acq: 11 Apr 2019 00:05

Tgt Ion: 43 Resp: 5660
Ion Ratio Lower Upper
43 100
72 24.8 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: 4.93 min Scan# 620

Delta R.T. -0.09 min

Lab File: VX008826.D

Acq: 11 Apr 2019 00:05

Instrument :

MSVOA_X

ClientSampleId :

SPLP-LECHATE-AMND-CS-1

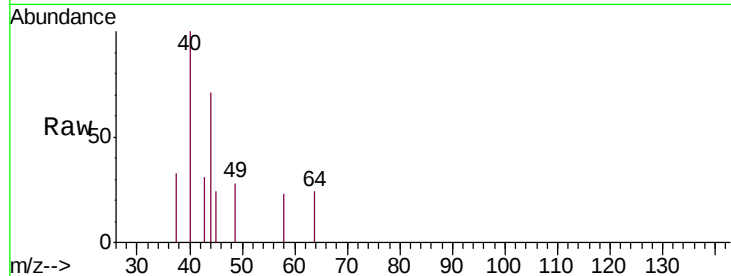
Tgt Ion: 49 Resp: 65

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

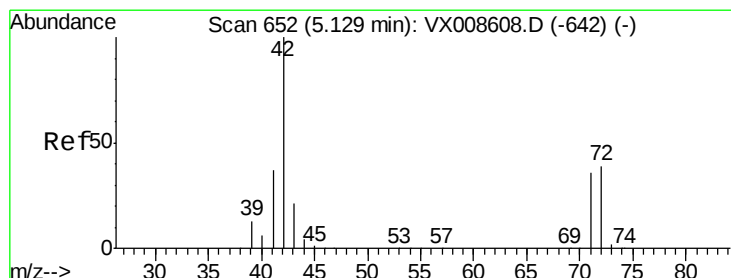
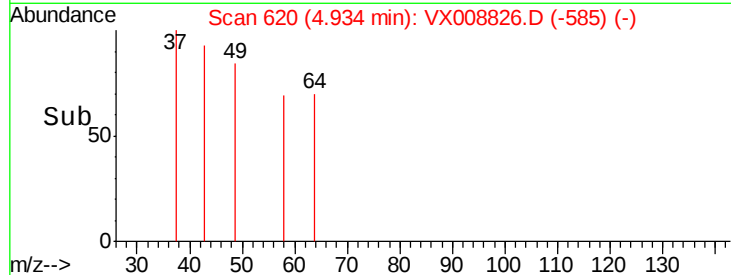
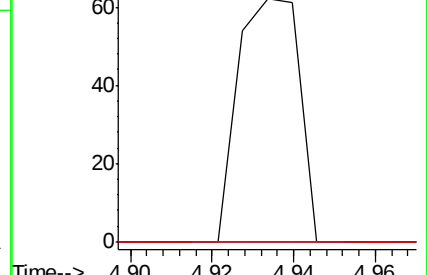
130 0.0 49.3 73.9#



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: 1.331 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX008826.D

Acq: 11 Apr 2019 00:05

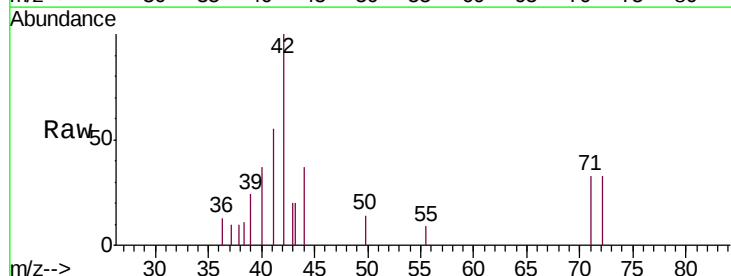
Tgt Ion: 42 Resp: 2240

Ion Ratio Lower Upper

42 100

72 34.6 30.5 45.7

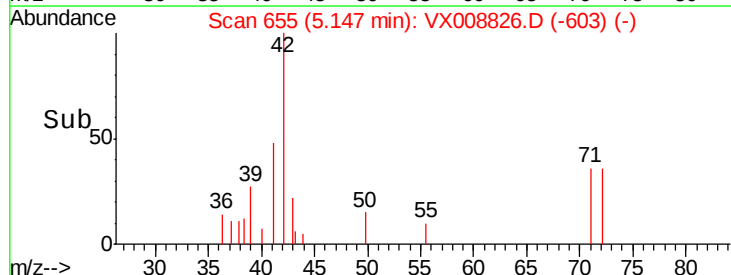
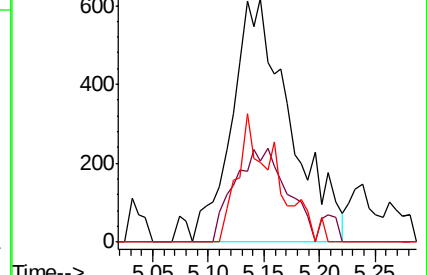
71 34.8 28.6 43.0

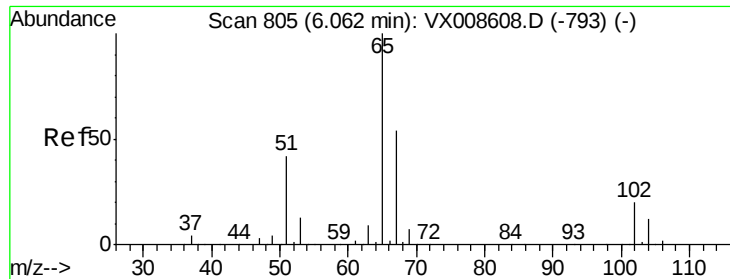


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 45.742 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008826.D

Acq: 11 Apr 2019 00:05

Instrument :

MSVOA_X

ClientSampleId :

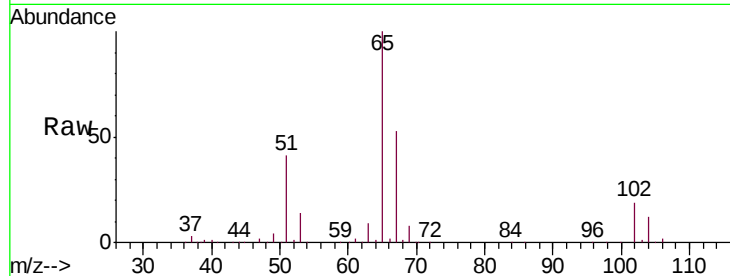
SPLP-LECHATE-AMND-CS-1

Tgt Ion: 65 Resp: 127439

Ion Ratio Lower Upper

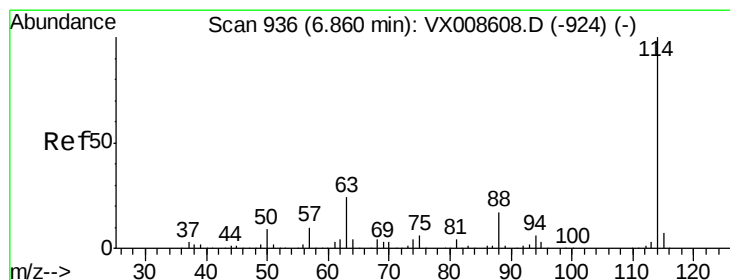
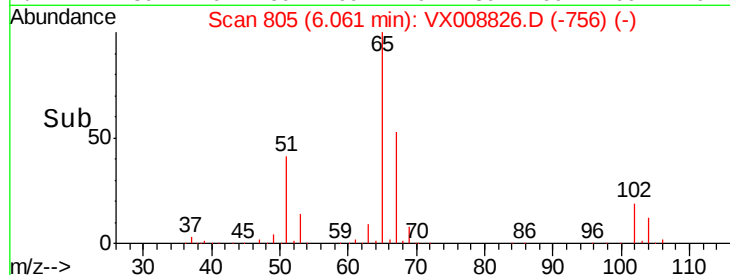
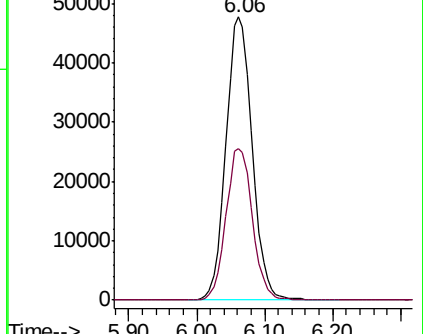
65 100

67 53.9 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: VX008826.D

Acq: 11 Apr 2019 00:05

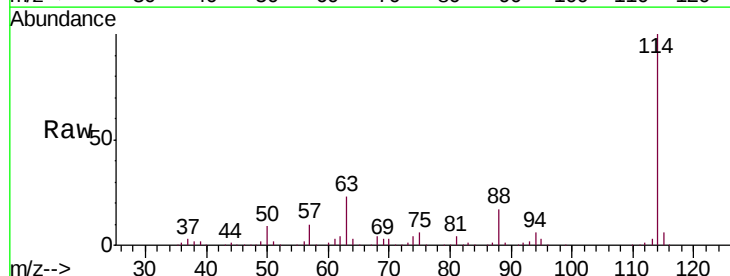
Tgt Ion: 114 Resp: 310076

Ion Ratio Lower Upper

114 100

63 23.1 0.0 47.2

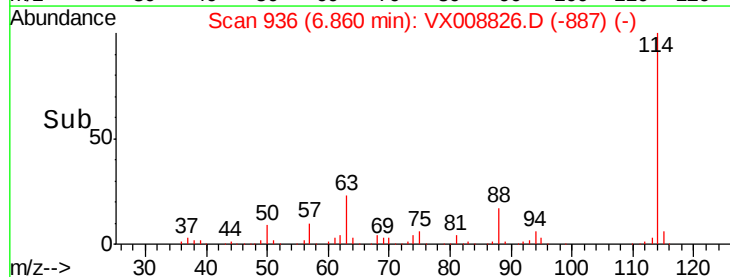
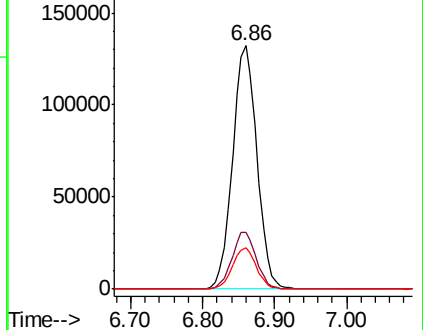
88 17.0 0.0 34.0

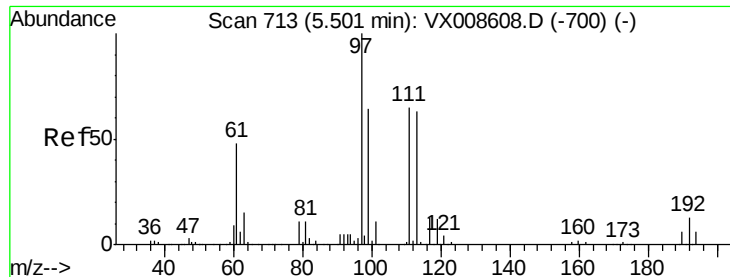


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

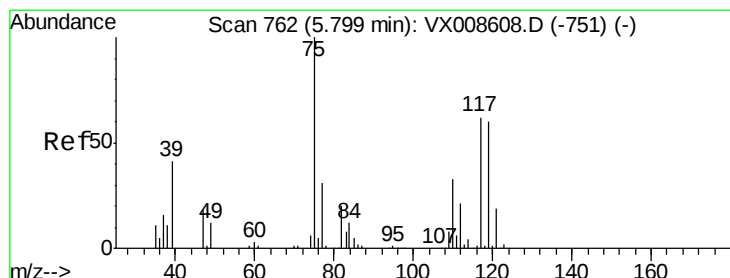
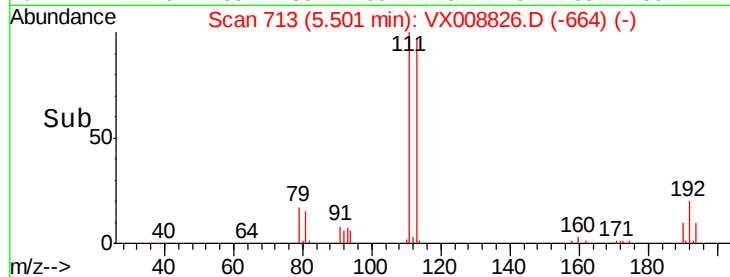
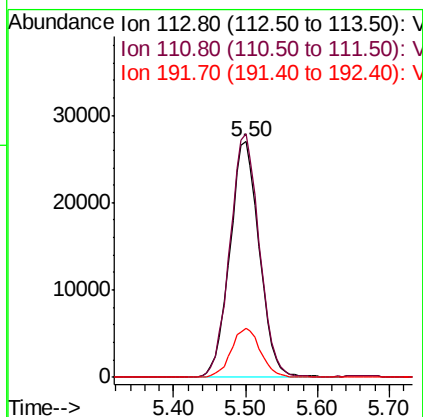
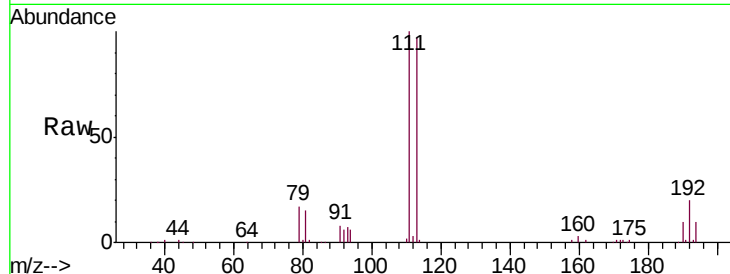




#35
 Dibromofluoromethane
 Concen: 38.784 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008826.D
 Acq: 11 Apr 2019 00:05

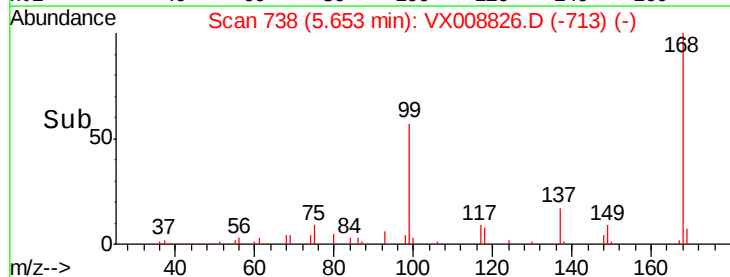
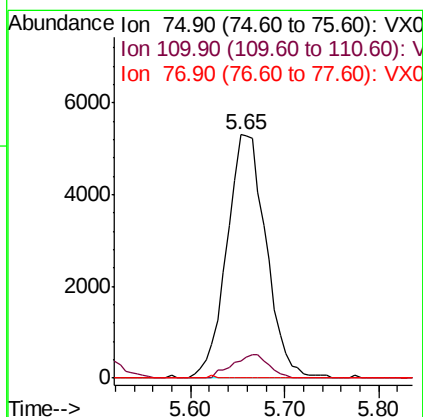
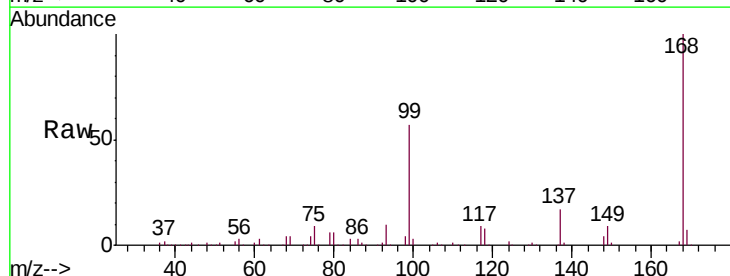
Instrument :
 MSVOA_X
 ClientSampleId :
 SPLP-LECHATE-AMND-CS-1

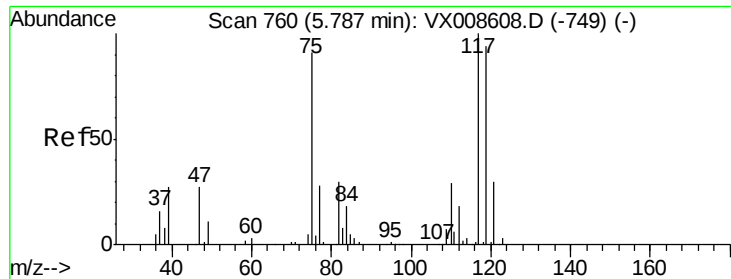
Tgt Ion:113 Resp: 76889
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.4 125.2
 192 20.6 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.554 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX008826.D
 Acq: 11 Apr 2019 00:05

Tgt Ion: 75 Resp: 15437
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.4 49.2#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.553 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008826.D

Acq: 11 Apr 2019 00:05

Instrument :

MSVOA_X

ClientSampleId :

SPLP-LECHATE-AMND-CS-1

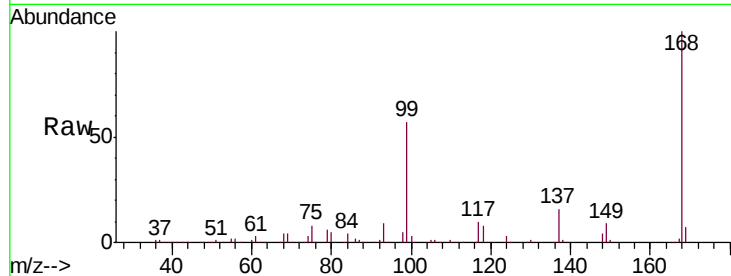
Tgt Ion:117 Resp: 18384

Ion Ratio Lower Upper

117 100

119 5.0 75.0 112.6#

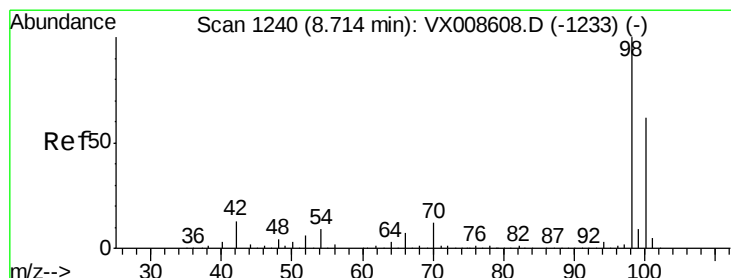
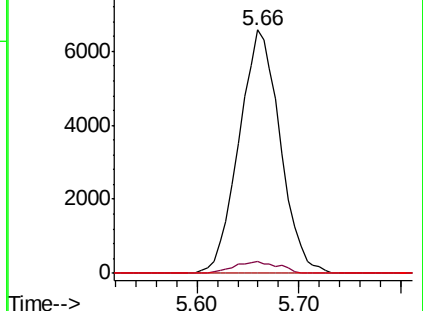
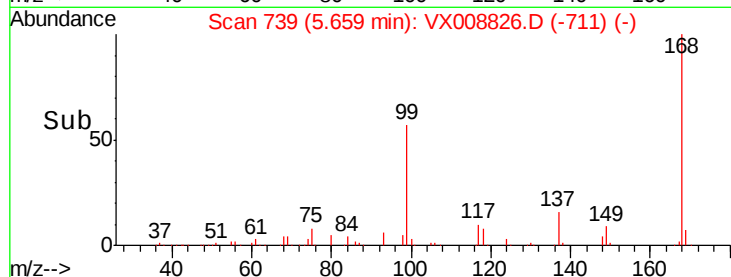
121 0.0 24.3 36.5#



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: 48.911 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008826.D

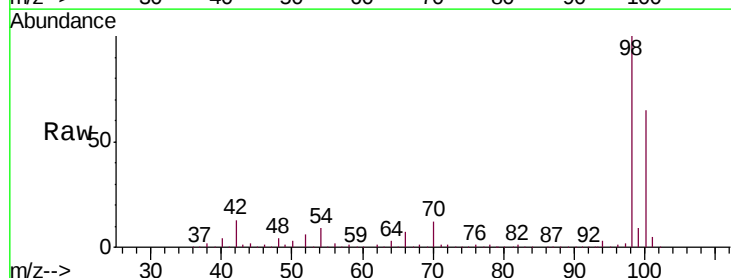
Acq: 11 Apr 2019 00:05

Tgt Ion: 98 Resp: 386093

Ion Ratio Lower Upper

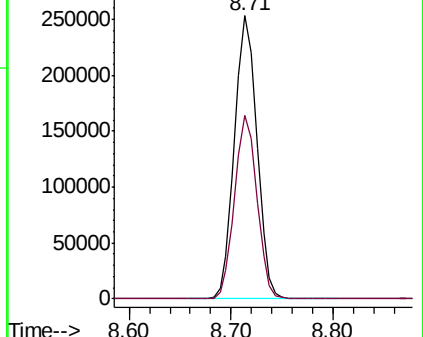
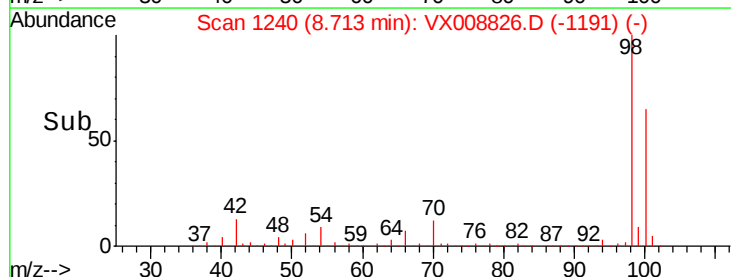
98 100

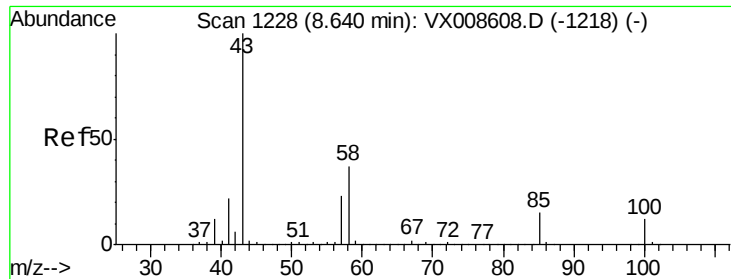
100 64.3 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.286 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX008826.D

Acq: 11 Apr 2019 00:05

Instrument :

MSVOA_X

ClientSampleId :

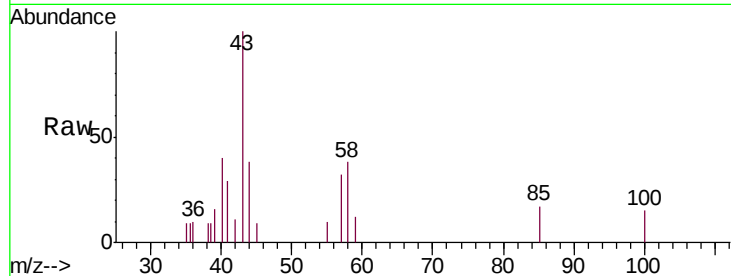
SPLP-LECHATE-AMND-CS-1

Tgt Ion: 43 Resp: 1303

Ion Ratio Lower Upper

43 100

58 38.8 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2500

2000

1500

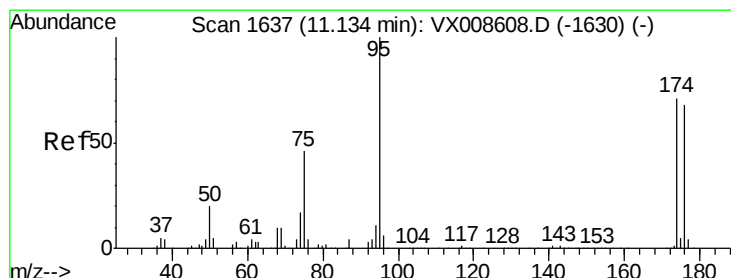
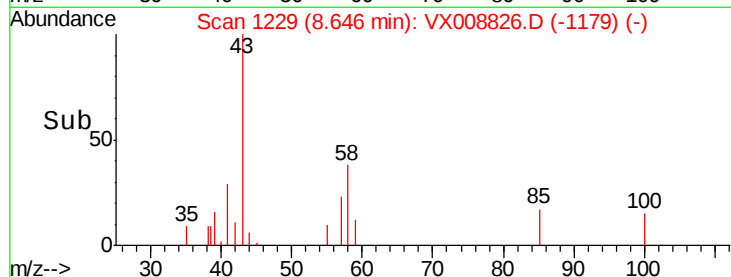
1000

500

0

8.55 8.60 8.65 8.70

Time-->



#62

4-Bromofluorobenzene

Concen: 45.848 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008826.D

Acq: 11 Apr 2019 00:05

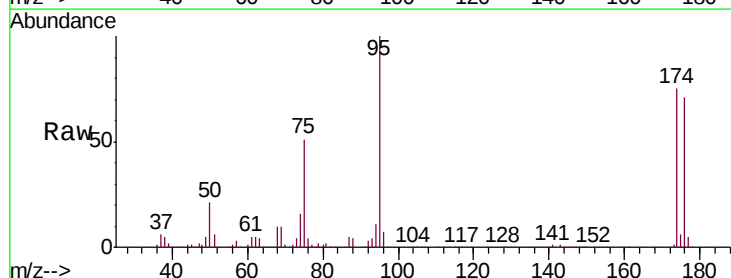
Tgt Ion: 95 Resp: 128340

Ion Ratio Lower Upper

95 100

174 78.2 0.0 151.8

176 76.2 0.0 145.8



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

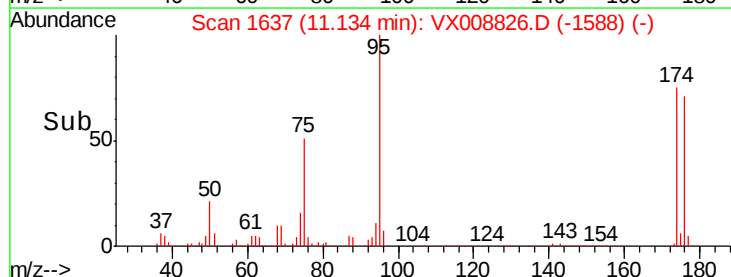
100000

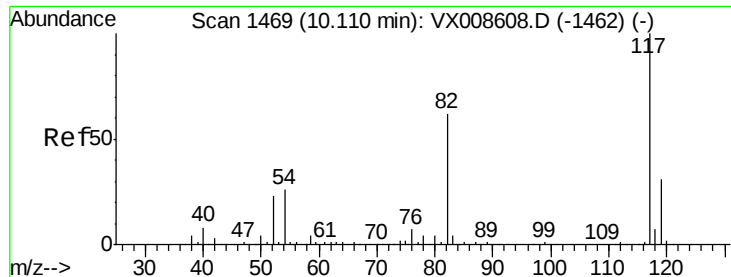
50000

0

11.10 11.20

Time-->

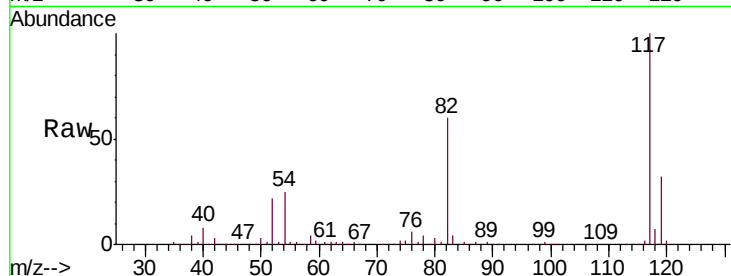




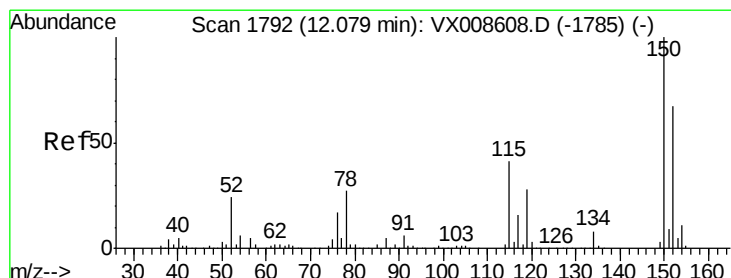
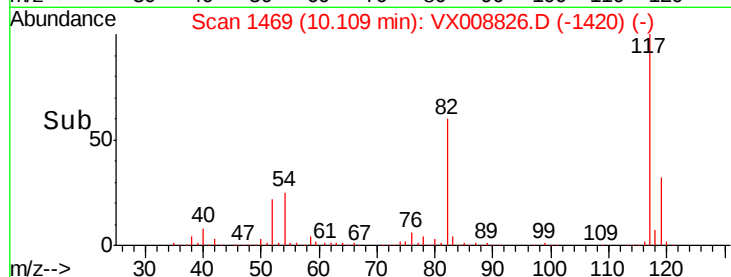
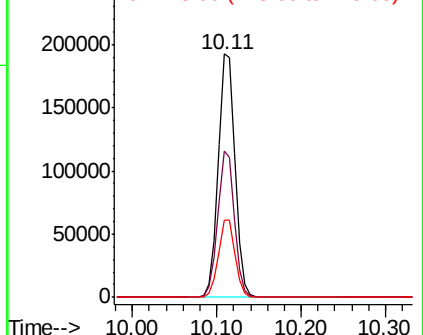
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008826.D
Acq: 11 Apr 2019 00:05

Instrument :
MSVOA_X
ClientSampleId :
SPLP-LECHATE-AMND-CS-1

Tgt Ion:117 Resp: 268393
Ion Ratio Lower Upper
117 100
82 60.2 49.6 74.4
119 31.9 25.0 37.4

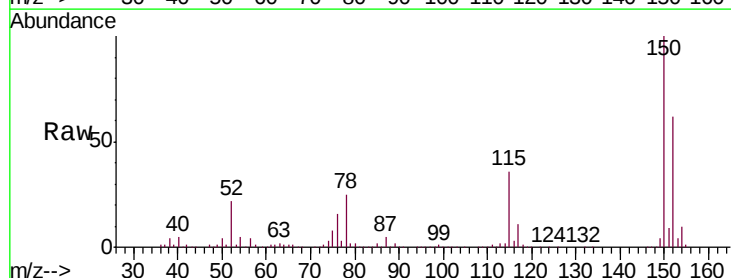


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

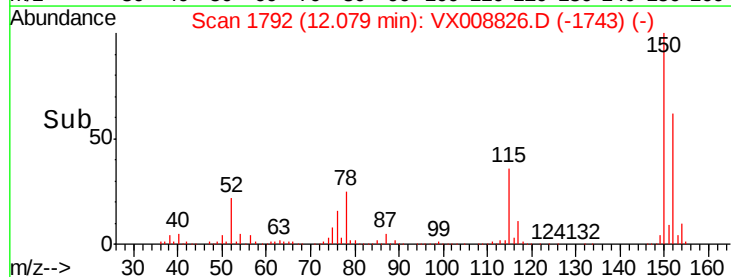
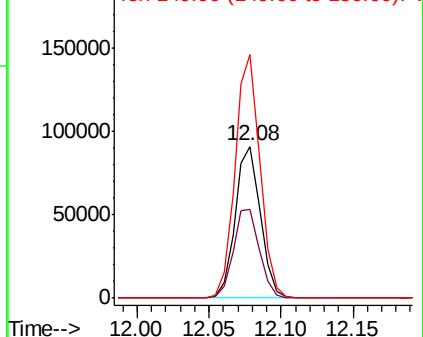


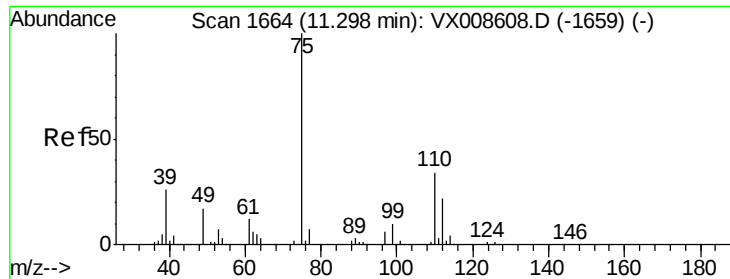
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008826.D
Acq: 11 Apr 2019 00:05

Tgt Ion:152 Resp: 111383
Ion Ratio Lower Upper
152 100
115 60.7 43.5 130.5
150 158.4 0.0 348.8



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

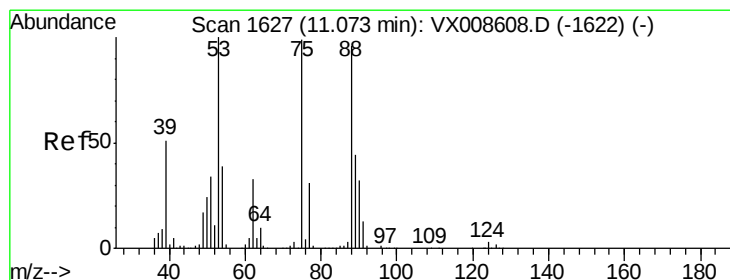
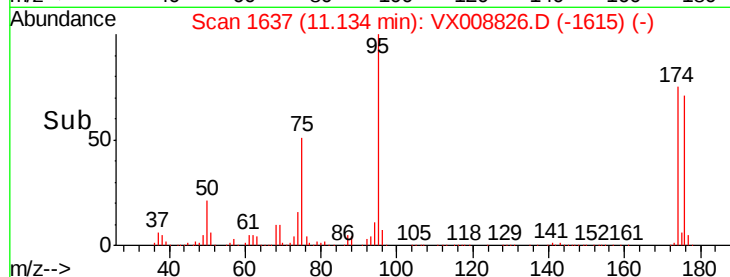
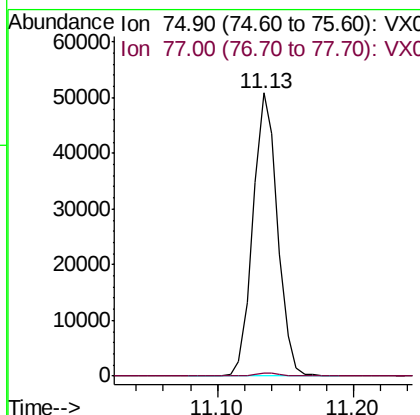
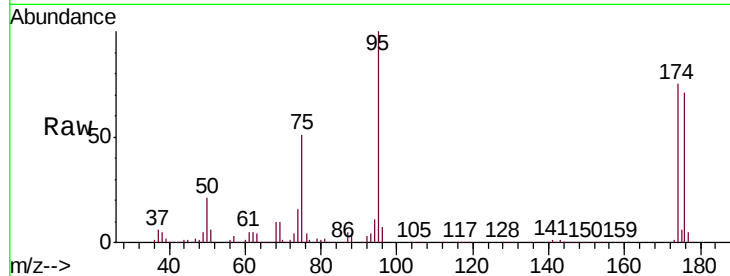




#76
 1,2,3-Trichloropropane
 Concen: 21.162 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008826.D
 Acq: 11 Apr 2019 00:05

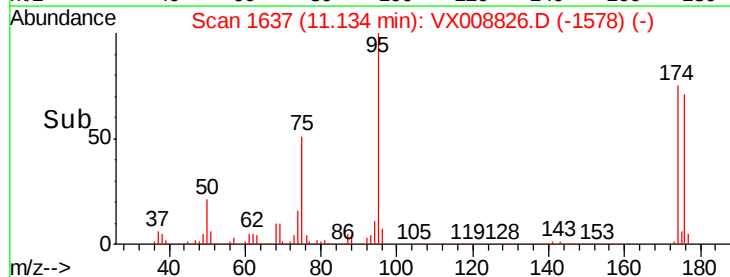
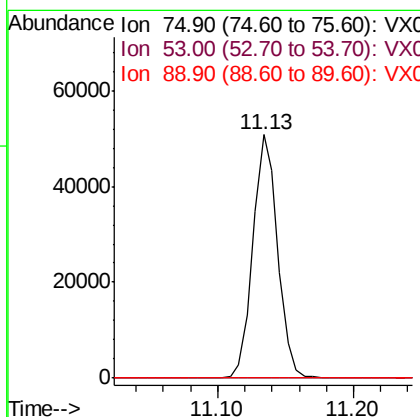
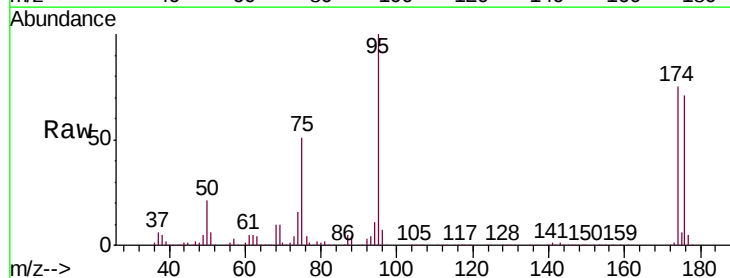
Instrument :
 MSVOA_X
 ClientSampleId :
 SPLP-LECHATE-AMND-CS-1

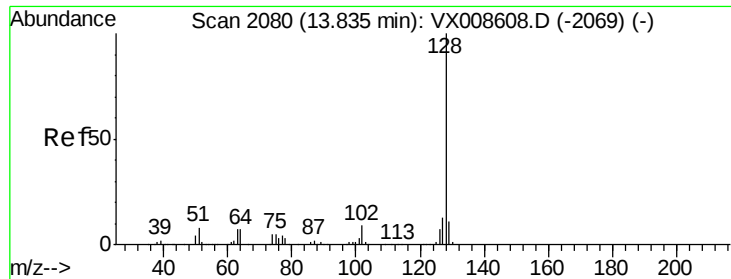
Tgt Ion: 75 Resp: 64751
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.334 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008826.D
 Acq: 11 Apr 2019 00:05

Tgt Ion: 75 Resp: 64751
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.3 121.9#
 89 0.0 35.6 53.4#





#95
Naphthalene
Concen: 0.228 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008826.D
Acq: 11 Apr 2019 00:05

Instrument :
MSVOA_X
ClientSampleId :
SPLP-LECHATE-AMND-CS-1

Tgt Ion:128 Resp: 2094
Ion Ratio Lower Upper
128 100
127 12.4 10.4 15.6
129 18.9 8.6 13.0#

