

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020519\
 Data File : VX007372.D
 Acq On : 05 Feb 2019 13:12
 Operator : JC/SP
 Sample : K1299-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPLP-LEACH-AMND-COMP-3

Quant Time: Feb 06 00:16:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	513546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	800264	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	744956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	360508	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	275787	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
35) Dibromofluoromethane	5.50	113	214464	41.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.38%	
50) Toluene-d8	8.71	98	958629	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
62) 4-Bromofluorobenzene	11.13	95	337911	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	

Target Compounds

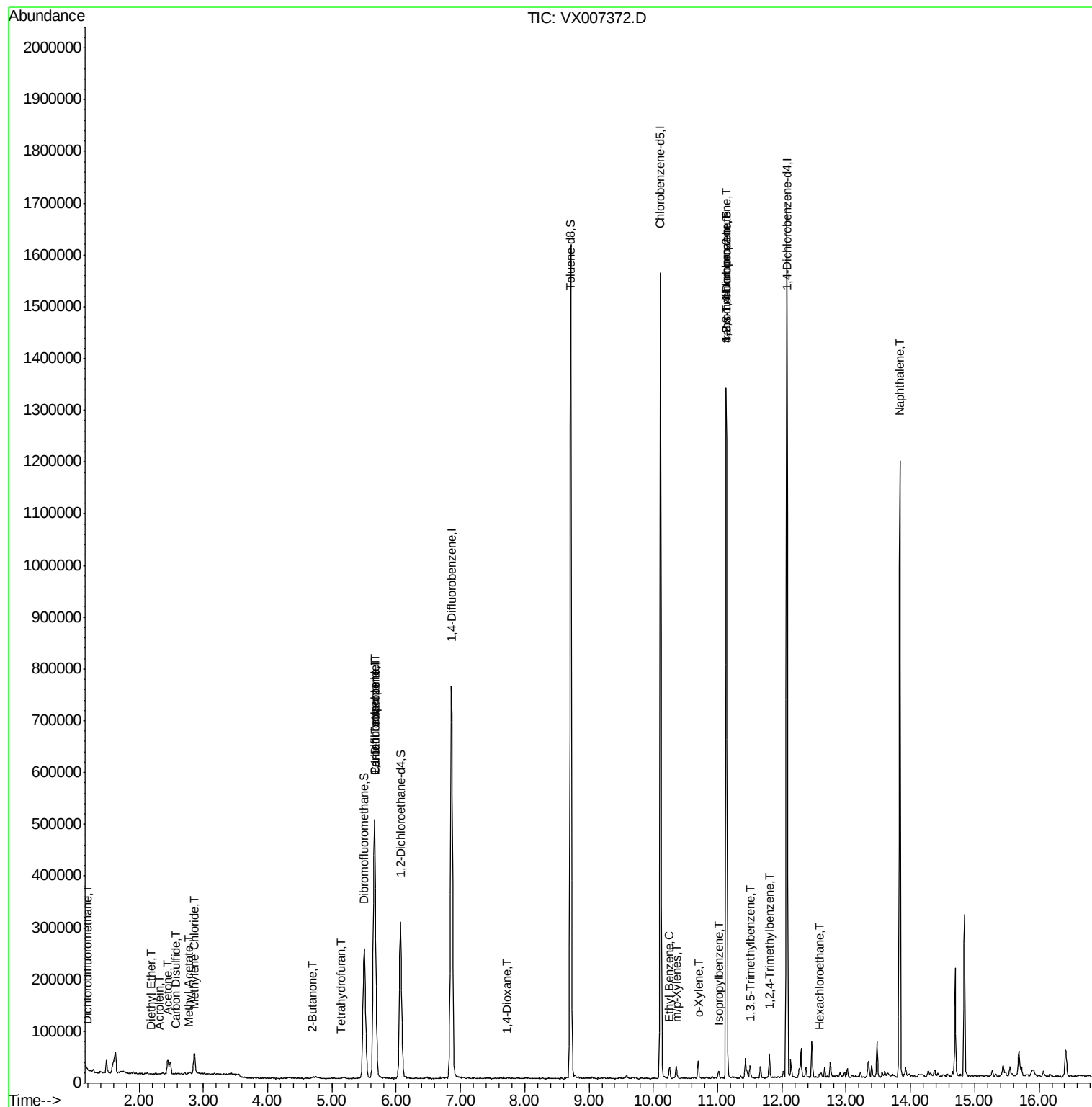
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	428	0.245	ug/l #	11
5) Bromomethane	1.64	94	685	Below Cal	#	70
8) Diethyl Ether	2.19	74	751	0.225	ug/l	63
13) Acrolein	2.31	56	540	1.021	ug/l	88
16) Acetone	2.45	43	31609	12.659	ug/l	98
17) Carbon Disulfide	2.57	76	2092	2.277	ug/l #	78
18) Methyl Acetate	2.78	43	3223	1.083	ug/l	95
20) Methylene Chloride	2.86	84	19622	3.481	ug/l	92
25) 2-Butanone	4.70	43	2369	0.667	ug/l #	82
29) Tetrahydrofuran	5.15	42	3047	1.363	ug/l #	41
36) 1,1-Dichloropropene	5.67	75	34207	4.764	ug/l #	48
38) Carbon Tetrachloride	5.67	117	47545	6.825	ug/l #	16
49) 1,4-Dioxane	7.72	88	288	9.123	ug/l #	25
67) Ethyl Benzene	10.26	91	13834	0.528	ug/l	92
68) m/p-Xylenes	10.36	106	5937	0.571	ug/l	90
69) o-Xylene	10.70	106	7690	0.768	ug/l	100
73) Isopropylbenzene	11.02	105	7683	0.314	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	160508	22.889	ug/l #	32
80) 1,3,5-Trimethylbenzene	11.51	105	10185	0.508	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.13	75	160508	68.994	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	21124	1.038	ug/l	100
90) Hexachloroethane	12.59	117	968	0.298	ug/l #	8
95) Naphthalene	13.83	128	739062	30.398	ug/l	100

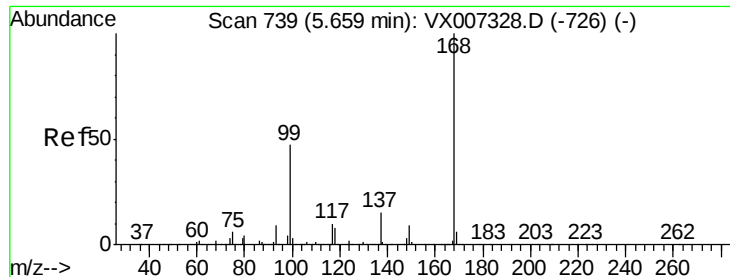
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX007372.D

Acq: 05 Feb 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

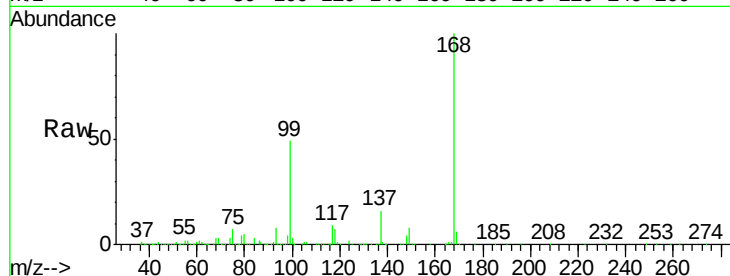
SPLP-LEACH-AMND-COMP-3

Tot Ion:168 Resp: 513546

Ion Ratio Lower Upper

168 100

99 48.9 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

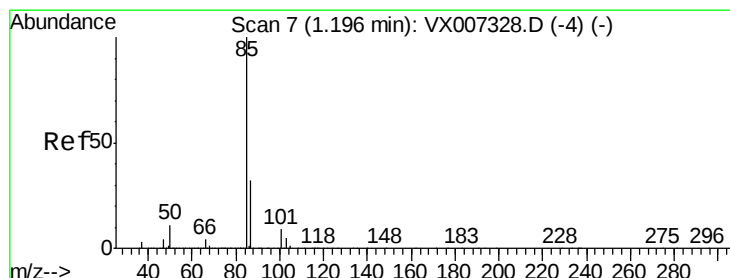
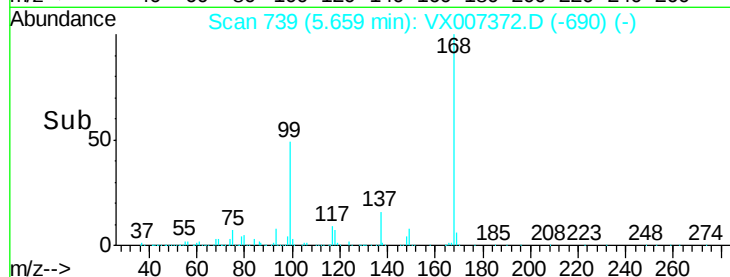
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.245 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007372.D

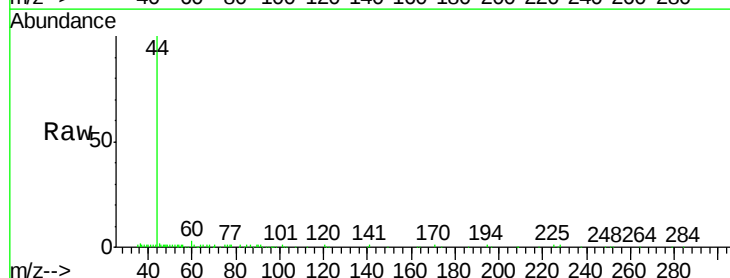
Acq: 05 Feb 2019 13:12

Tgt Ion: 85 Resp: 428

Ion Ratio Lower Upper

85 100

87 81.1 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

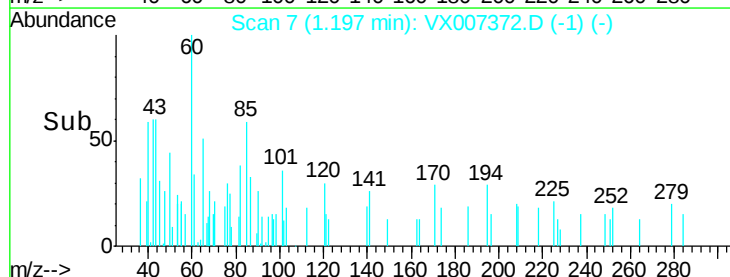
300

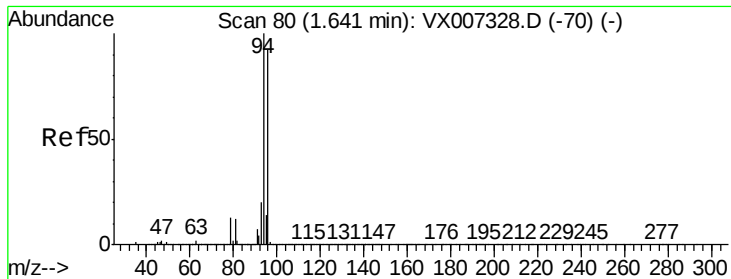
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007372.D

Acq: 05 Feb 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

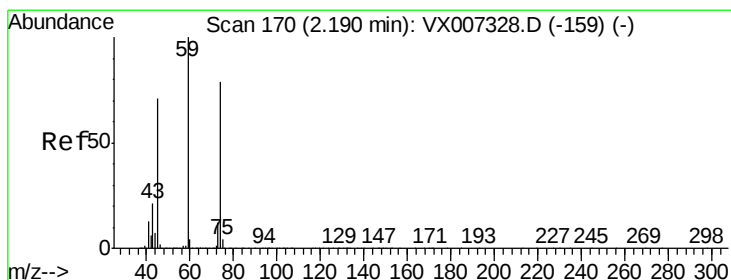
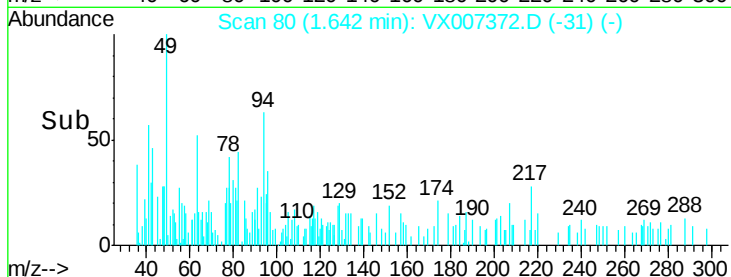
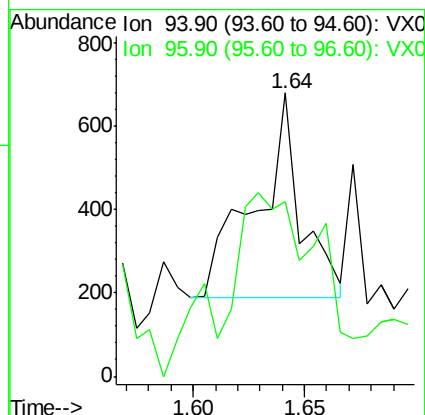
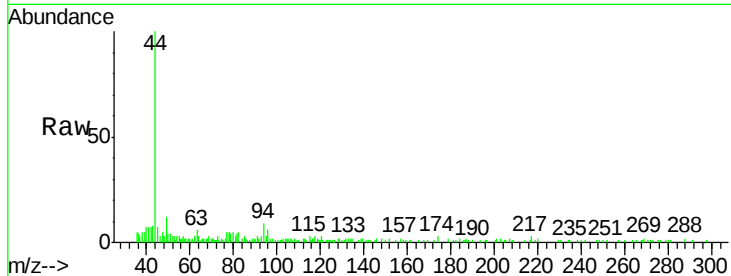
SPLP-LEACH-AMND-COMP-3

Tot Ion: 94 Resp: 685

Ion Ratio Lower Upper

94 100

96 64.1 73.9 110.9#



#8

Diethyl Ether

Concen: 0.225 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX007372.D

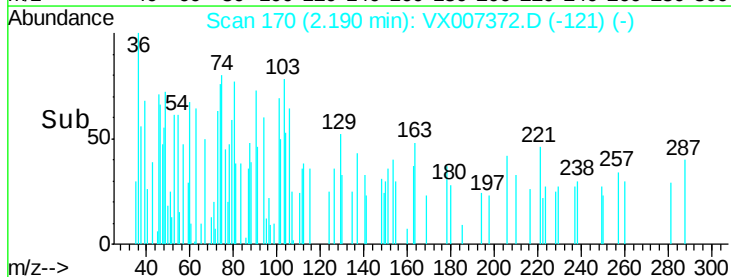
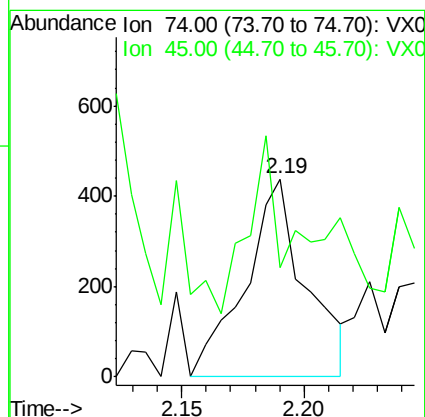
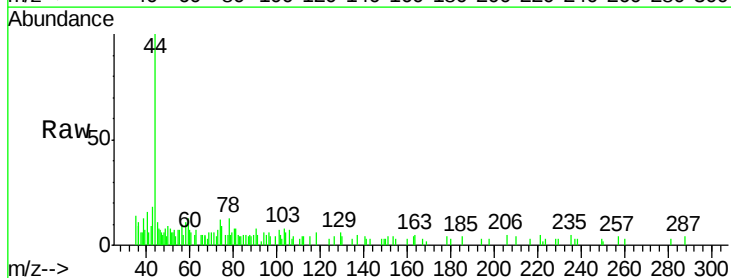
Acq: 05 Feb 2019 13:12

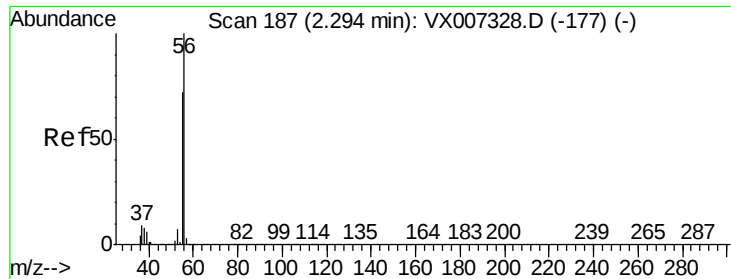
Tgt Ion: 74 Resp: 751

Ion Ratio Lower Upper

74 100

45 56.6 45.7 137.1





#13

Acrolein

Concen: 1.021 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX007372.D

Acq: 05 Feb 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

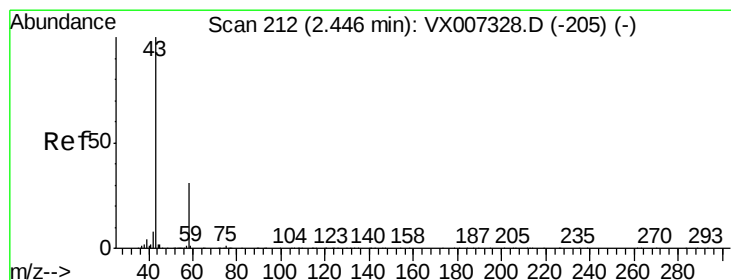
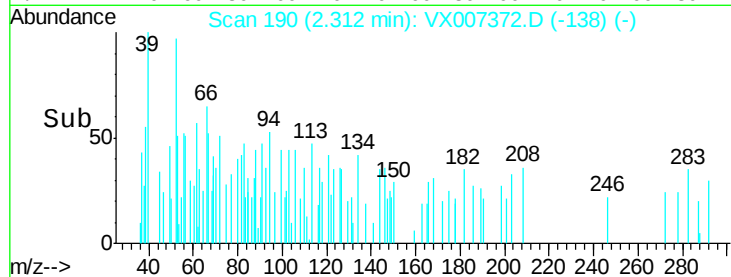
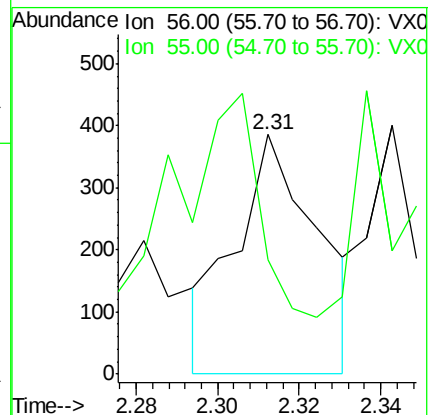
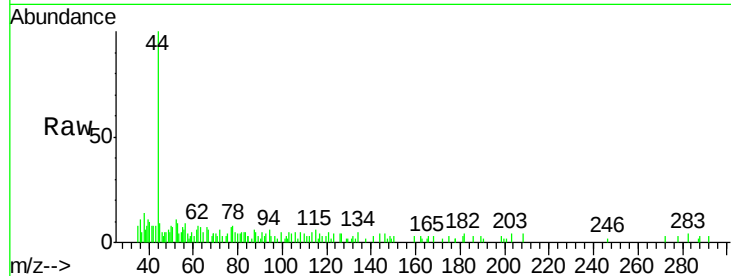
SPLP-LEACH-AMND-COMP-3

Tot Ion: 56 Resp: 540

Ion Ratio Lower Upper

56 100

55 81.3 56.9 85.3



#16

Acetone

Concen: 12.659 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007372.D

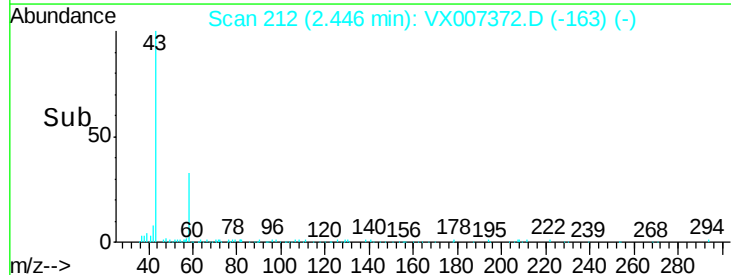
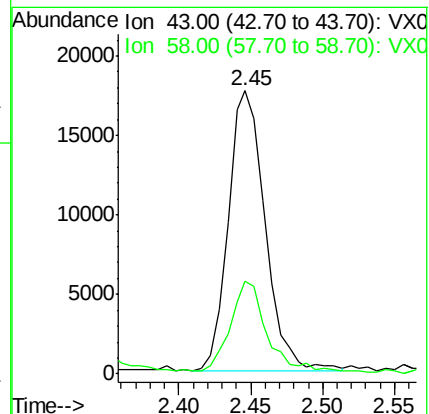
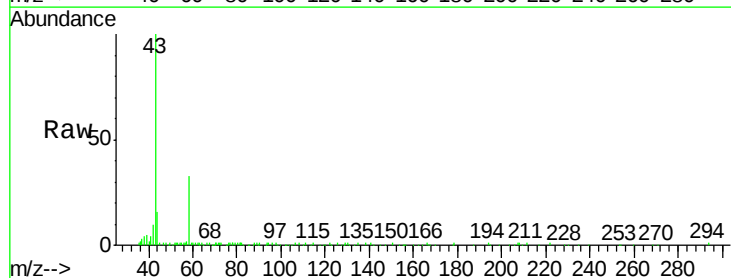
Acq: 05 Feb 2019 13:12

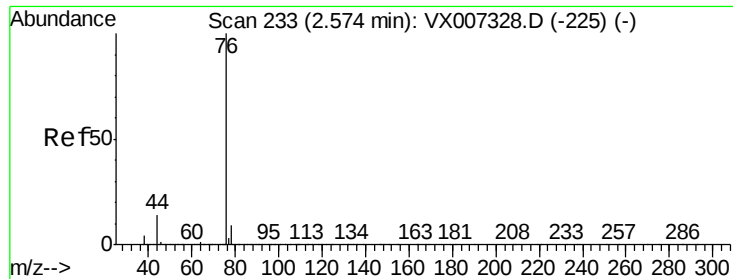
Tgt Ion: 43 Resp: 31609

Ion Ratio Lower Upper

43 100

58 32.0 24.9 37.3





#17

Carbon Disulfide

Concen: 2.277 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007372.D

Acq: 05 Feb 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

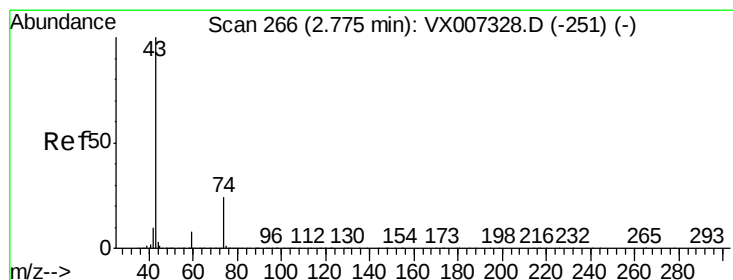
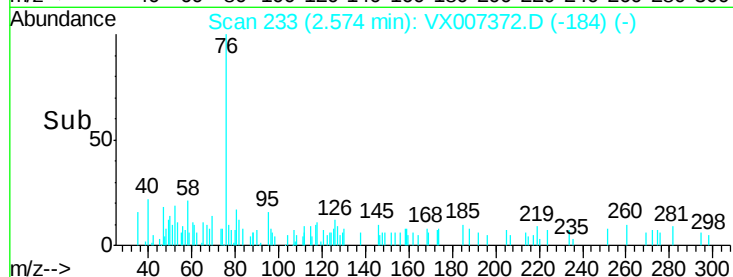
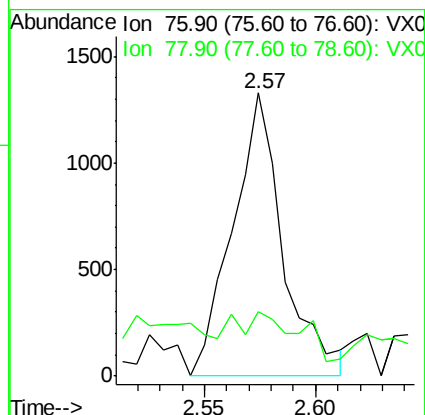
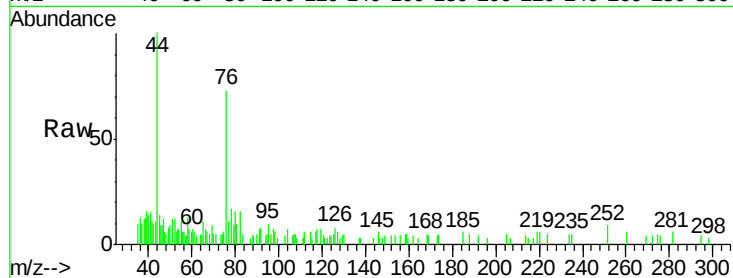
SPLP-LEACH-AMND-COMP-3

Tot Ion: 76 Resp: 2092

Ion Ratio Lower Upper

76 100

78 16.8 7.1 10.7#



#18

Methyl Acetate

Concen: 1.083 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX007372.D

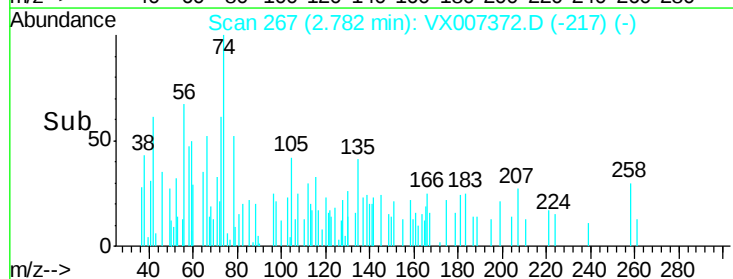
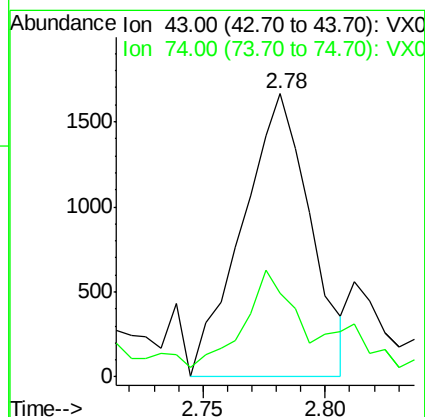
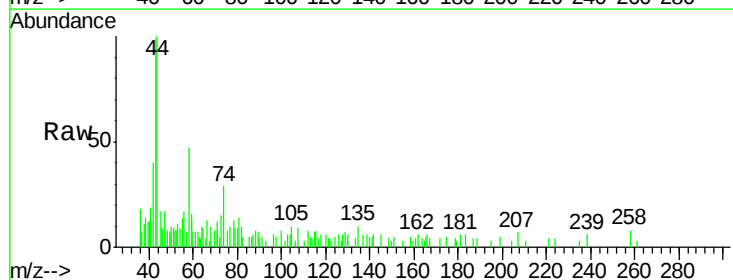
Acq: 05 Feb 2019 13:12

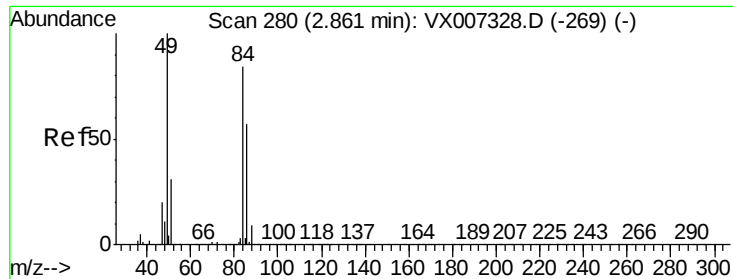
Tgt Ion: 43 Resp: 3223

Ion Ratio Lower Upper

43 100

74 26.8 19.4 29.2





#20

Methylene Chloride

Concen: 3.481 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX007372.D

Acq: 05 Feb 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

SPLP-LEACH-AMND-COMP-3

Tot Ion: 84 Resp: 19622

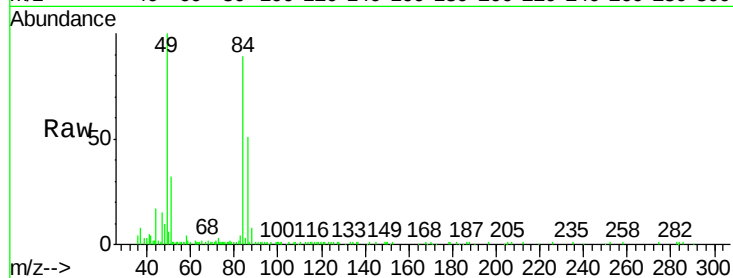
Ion Ratio Lower Upper

84 100

49 112.4 94.8 142.2

51 34.0 29.8 44.8

86 57.1 54.1 81.1

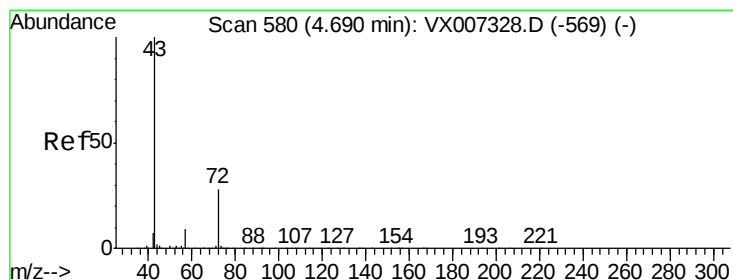
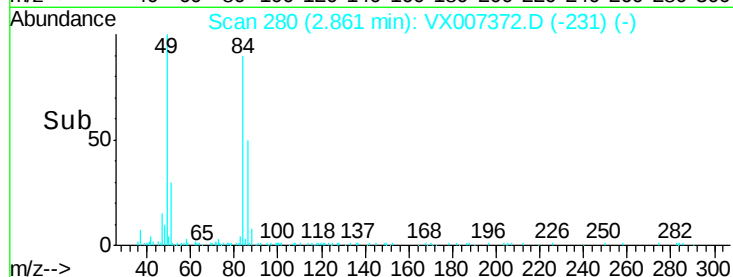
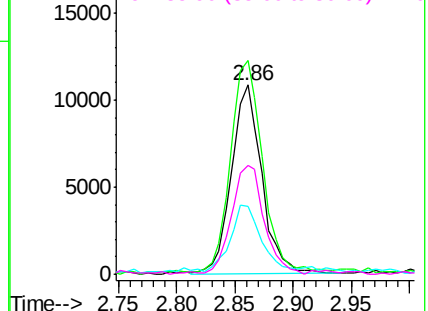


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.667 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007372.D

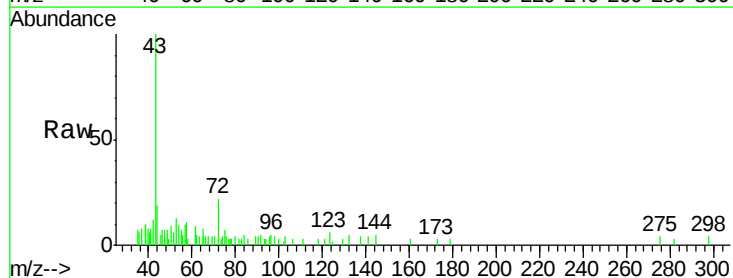
Acq: 05 Feb 2019 13:12

Tgt Ion: 43 Resp: 2369

Ion Ratio Lower Upper

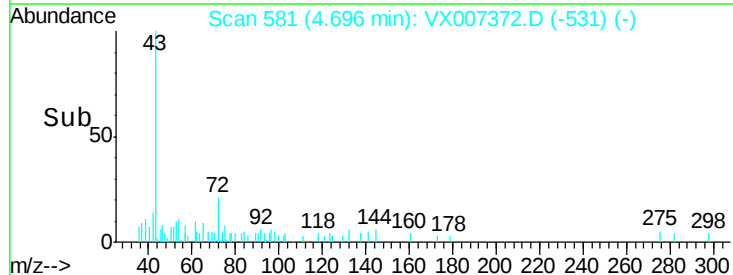
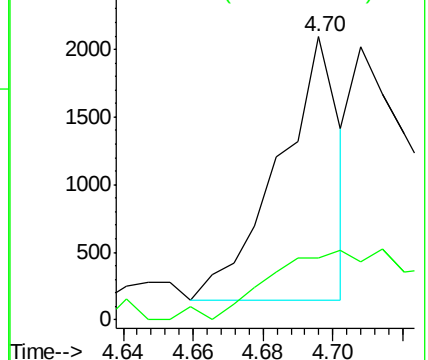
43 100

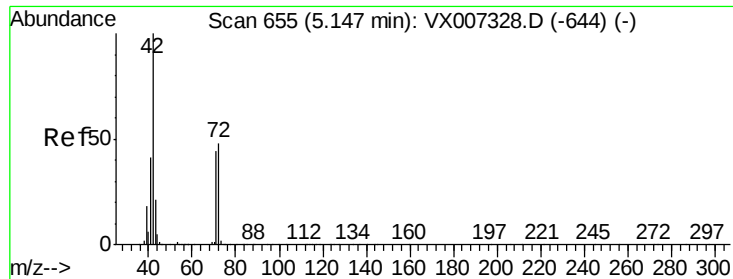
72 18.5 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

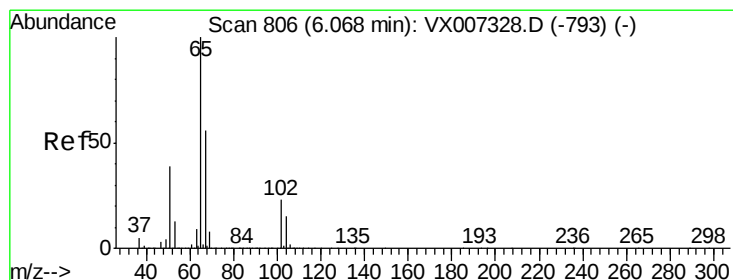
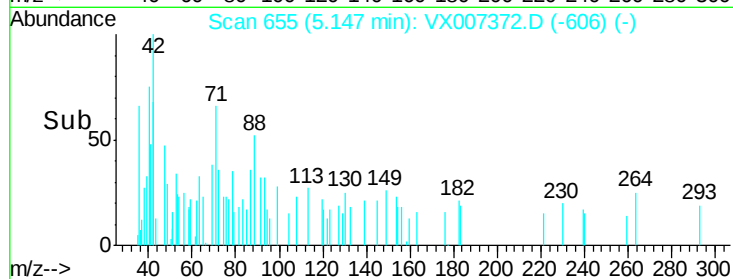
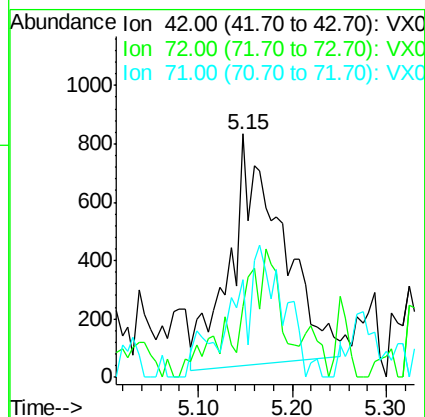
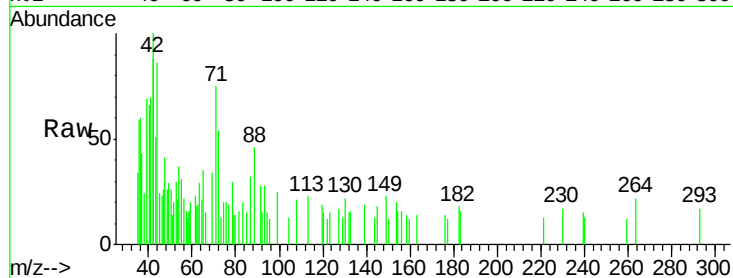




#29
Tetrahydrofuran
Concen: 1.363 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.00 min
Lab File: VX007372.D
Acq: 05 Feb 2019 13:12

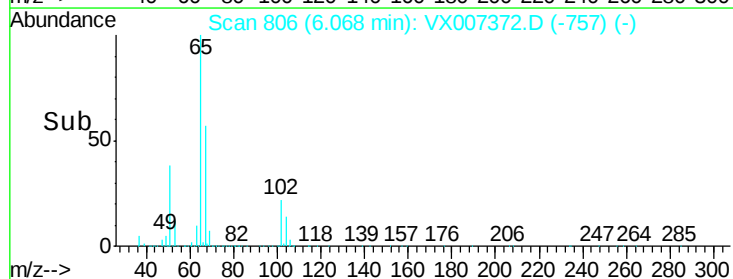
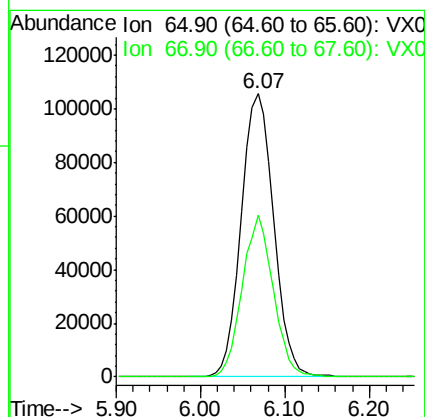
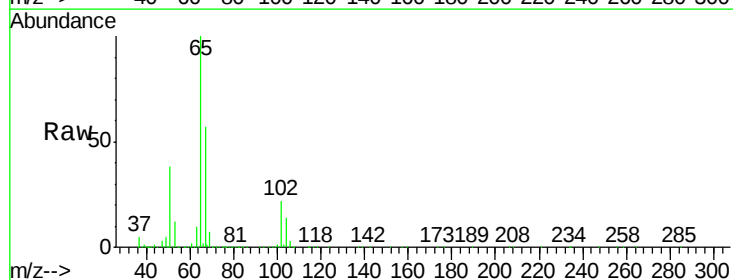
Instrument :
MSVOA_X
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SPLP-LEACH-AMND-COMP-3

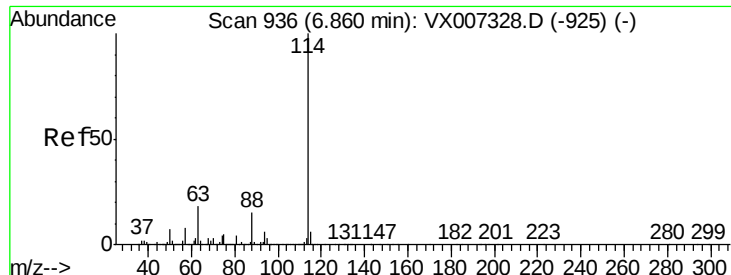
Tot Ion: 42 Resp: 3047
Ion Ratio Lower Upper
42 100
72 12.9 37.6 56.4#
71 0.0 34.6 51.8#



#33
1,2-Dichloroethane-d4
Concen: 50.595 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007372.D
Acq: 05 Feb 2019 13:12

Tgt Ion: 65 Resp: 275787
Ion Ratio Lower Upper
65 100
67 54.5 0.0 108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007372.D

Acq: 05 Feb 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

SPLP-LEACH-AMND-COMP-3

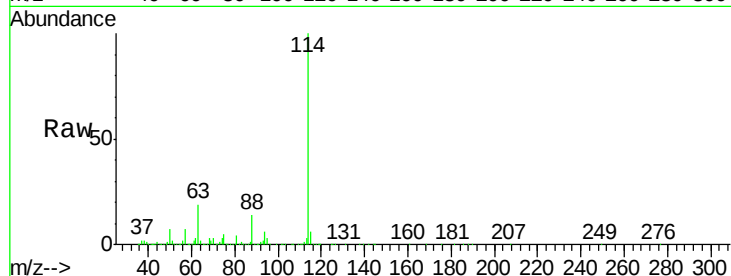
Tot Ion:114 Resp: 800264

Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.6

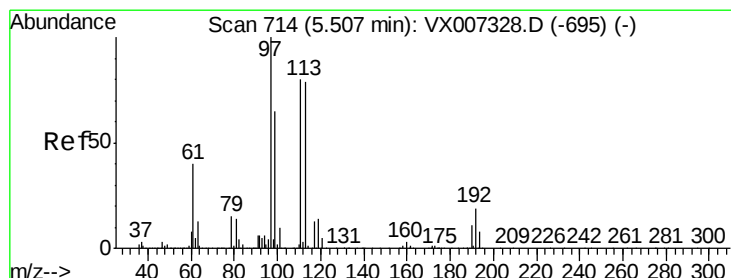
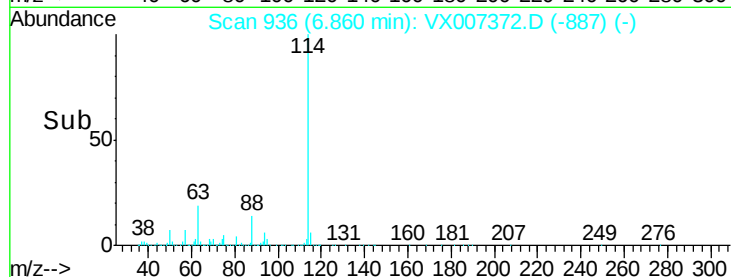
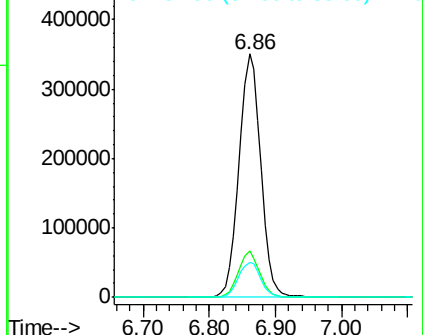
88 14.3 0.0 29.6



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: 41.187 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007372.D

Acq: 05 Feb 2019 13:12

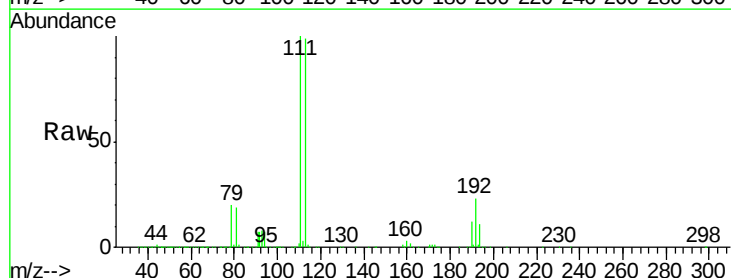
Tgt Ion:113 Resp: 214464

Ion Ratio Lower Upper

113 100

111 99.9 81.8 122.8

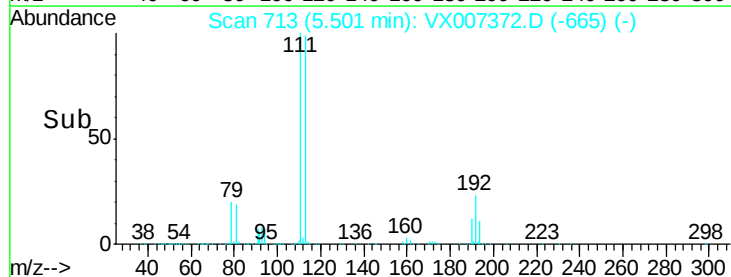
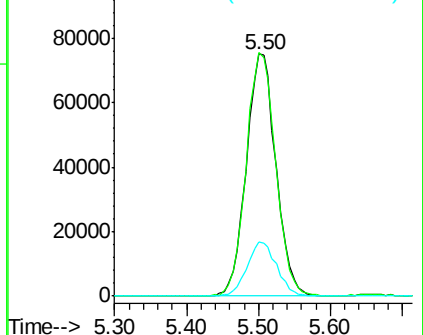
192 22.4 18.5 27.7

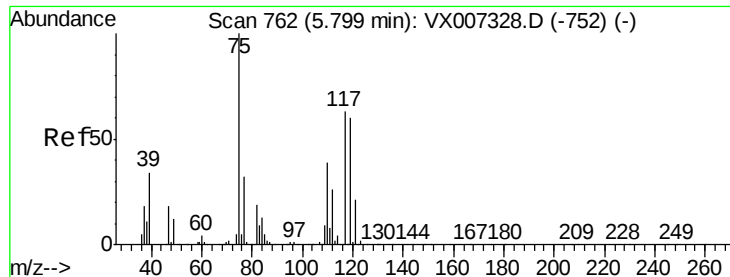


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

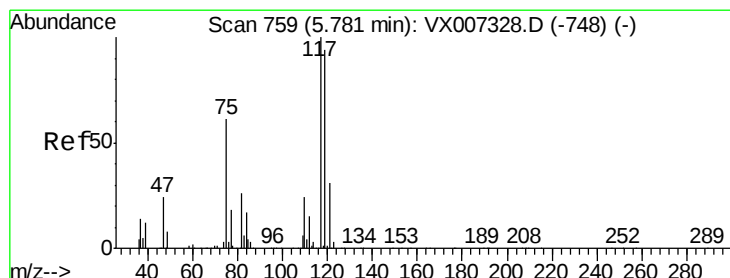
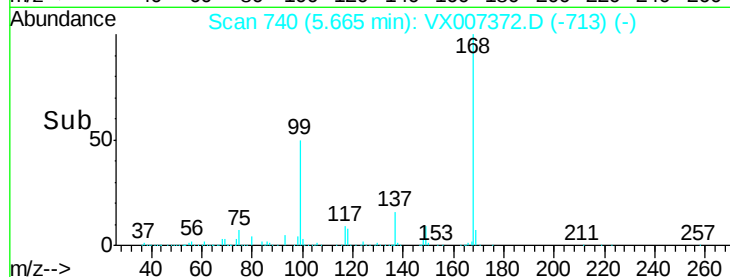
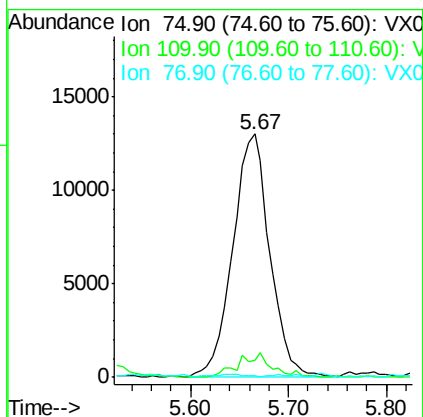
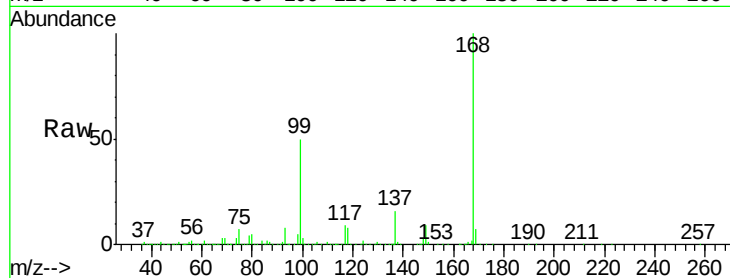




#36
 1,1-Dichloropropene
 Concen: 4.764 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007372.D
 Acq: 05 Feb 2019 13:12

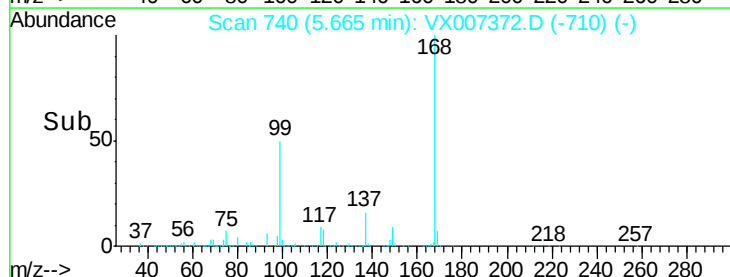
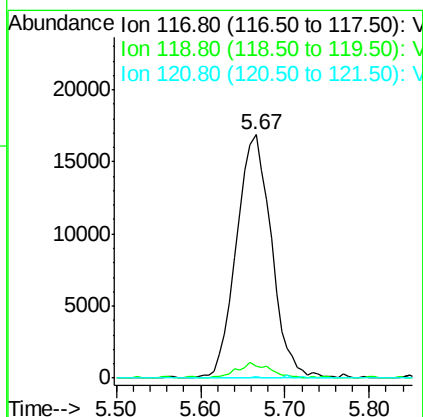
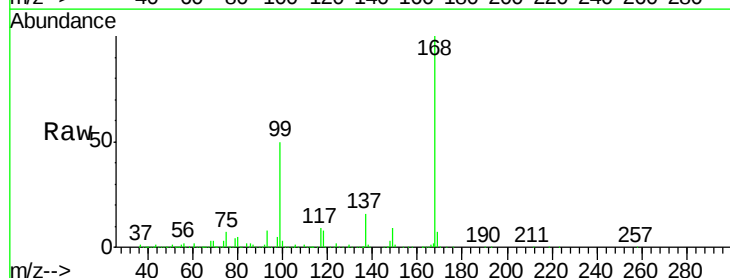
Instrument :
 MSVOA_X
 ClientSampleId :
 SPLP-LEACH-AMND-COMP-3

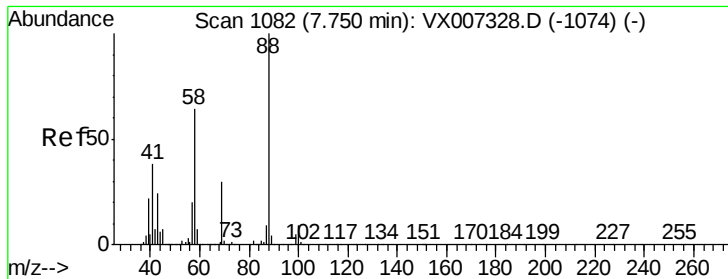
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	20.0	59.9#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.825 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX007372.D
 Acq: 05 Feb 2019 13:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	75.3	112.9#
121	0.7	25.0	37.4#





#49

1,4-Dioxane

Concen: 9.123 ug/l

RT: 7.72 min Scan# 1077

Delta R.T. -0.03 min

Lab File: VX007372.D

Acq: 05 Feb 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

SPLP-LEACH-AMND-COMP-3

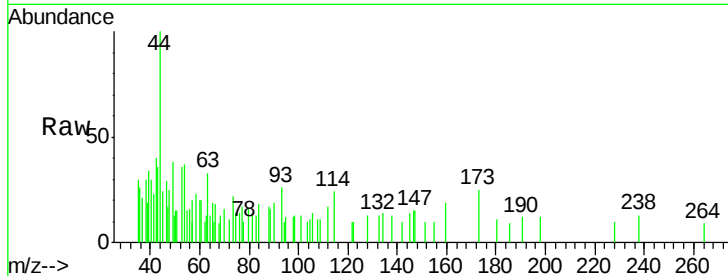
Tot Ion: 88 Resp: 288

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

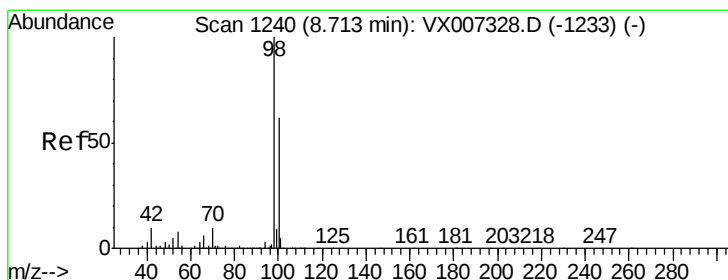
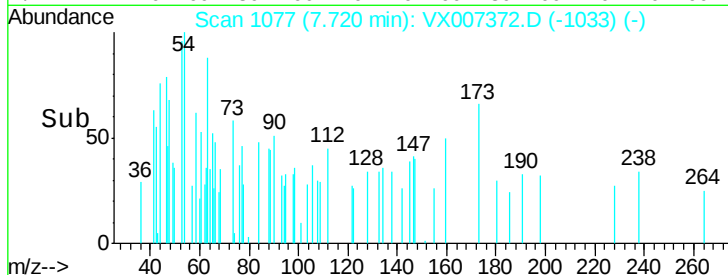
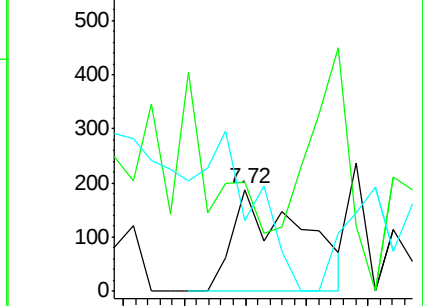
58 0.0 53.0 79.4#



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: 49.621 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007372.D

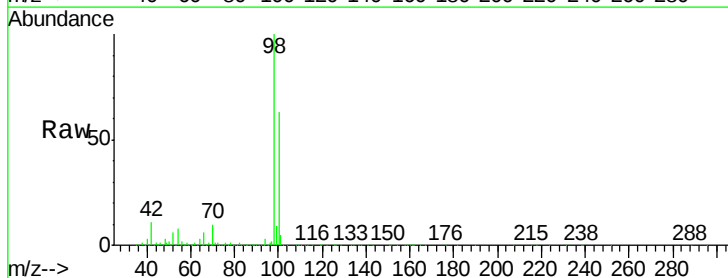
Acq: 05 Feb 2019 13:12

Tgt Ion: 98 Resp: 958629

Ion Ratio Lower Upper

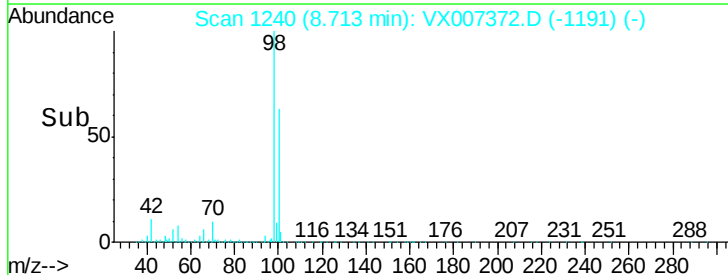
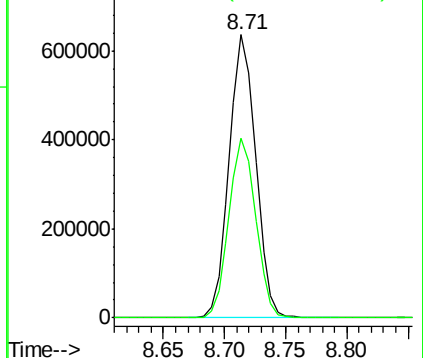
98 100

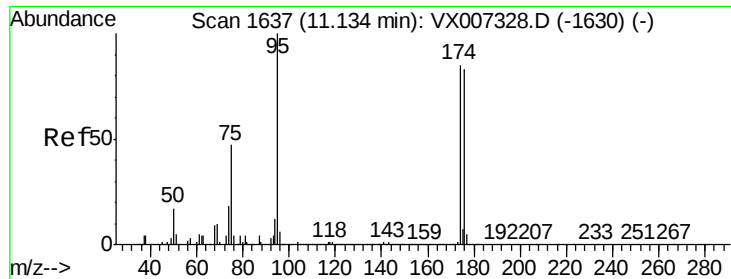
100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 47.908 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007372.D

Acq: 05 Feb 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

SPLP-LEACH-AMND-COMP-3

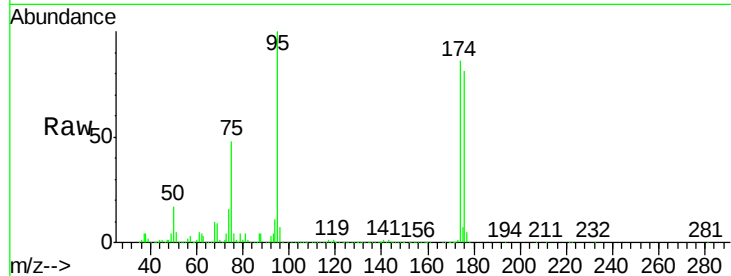
Tot Ion: 95 Resp: 337911

Ion Ratio Lower Upper

95 100

174 93.0 0.0 189.2

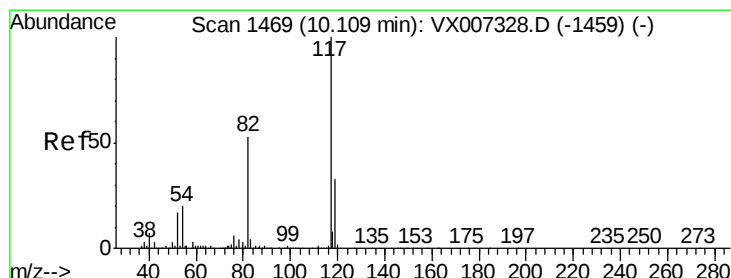
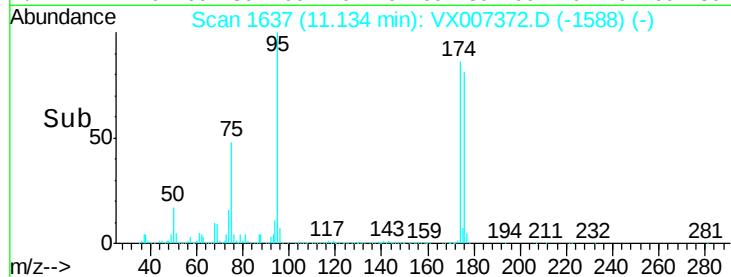
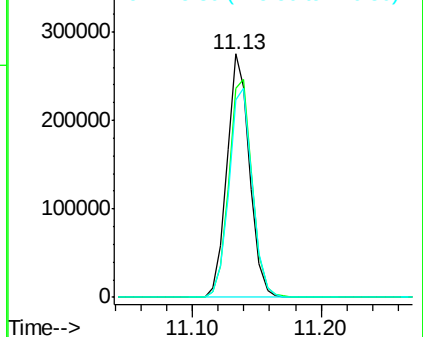
176 88.8 0.0 186.2



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# 1469

Delta R.T. 0.00 min

Lab File: VX007372.D

Acq: 05 Feb 2019 13:12

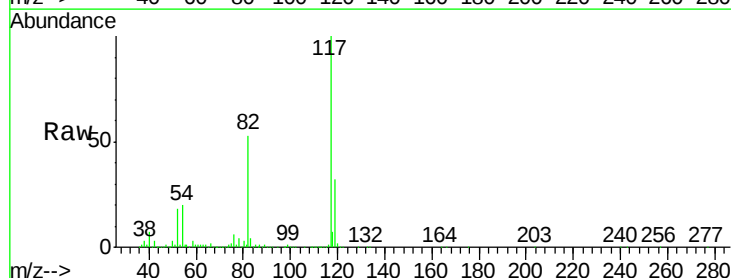
Tgt Ion: 117 Resp: 744956

Ion Ratio Lower Upper

117 100

82 52.8 42.1 63.1

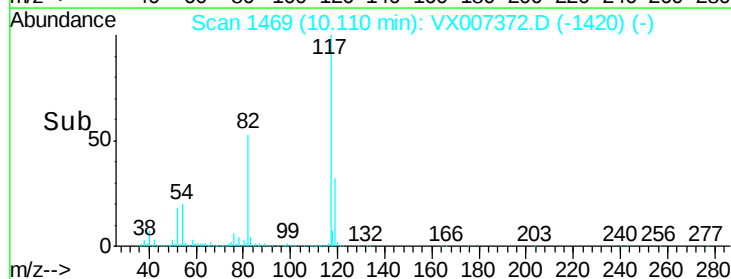
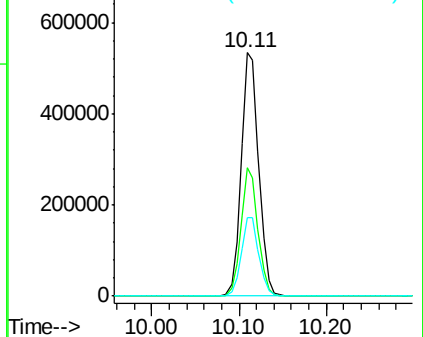
119 32.4 26.5 39.7

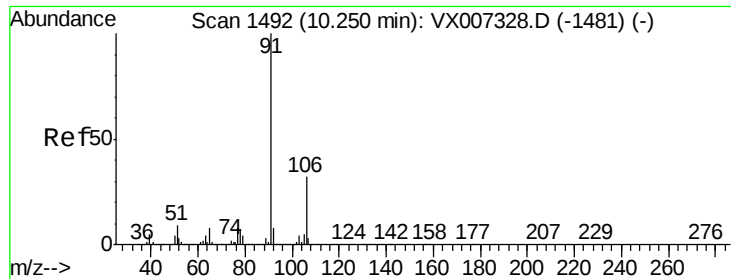


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 0.528 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VX007372.D

Acq: 05 Feb 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

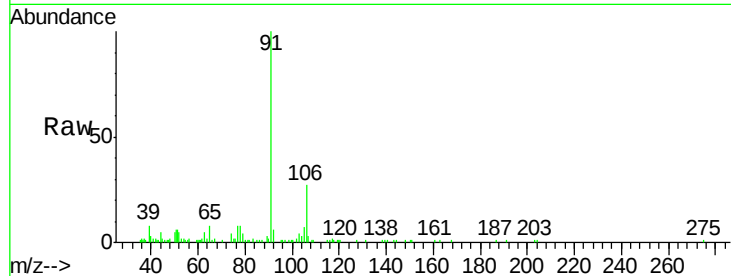
SPLP-LEACH-AMND-COMP-3

Tot Ion: 91 Resp: 13834

Ion Ratio Lower Upper

91 100

106 27.3 25.4 38.0

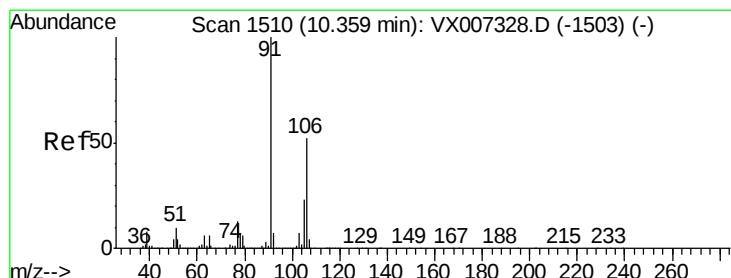
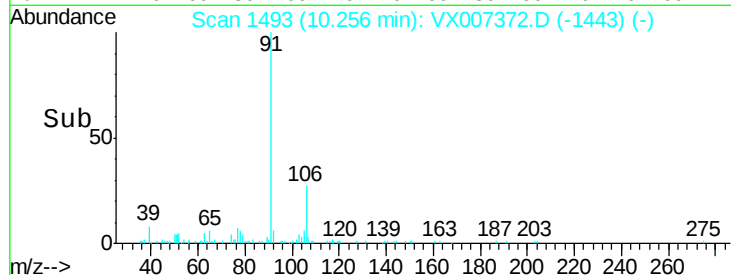


Abundance Ion 91.00 (90.70 to 91.70): VX007372.D (-1443) (-)

Ion 106.00 (105.70 to 106.70): VX007372.D (-1443) (-)

10.26

Time-->



#68

m/p-Xylenes

Concen: 0.571 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007372.D

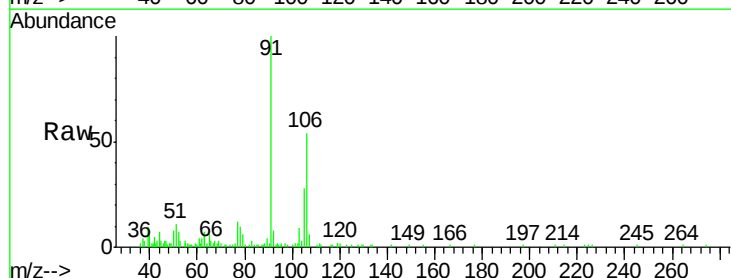
Acq: 05 Feb 2019 13:12

Tgt Ion: 106 Resp: 5937

Ion Ratio Lower Upper

106 100

91 180.3 156.6 234.8

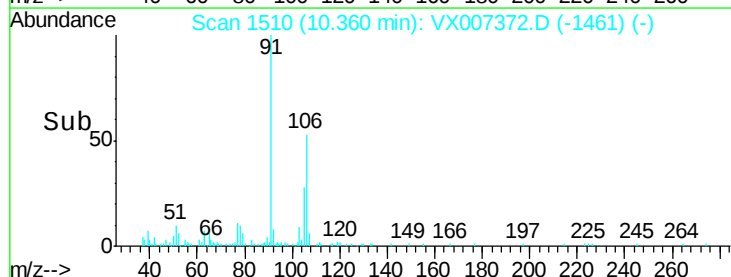


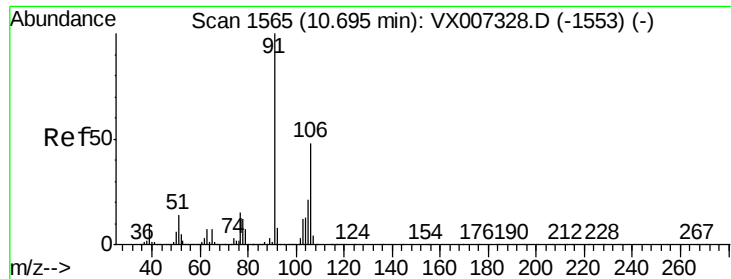
Abundance Ion 106.00 (105.70 to 106.70): VX007372.D (-1461) (-)

Ion 91.00 (90.70 to 91.70): VX007372.D (-1461) (-)

10.36

Time-->

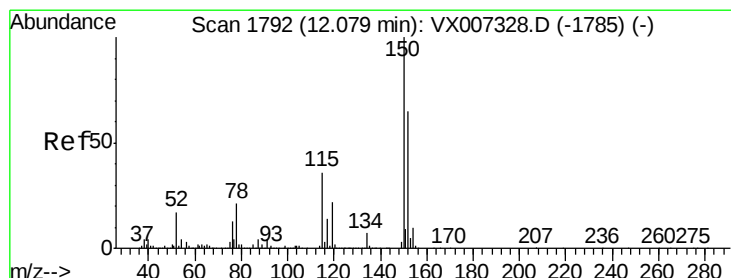
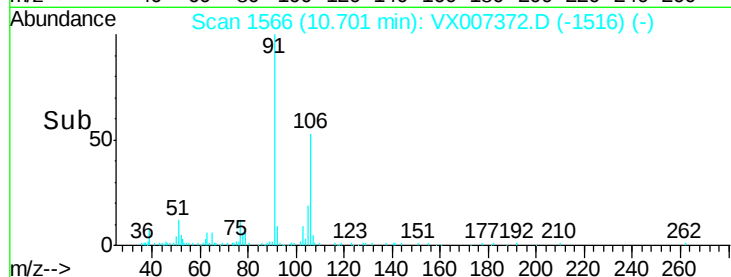
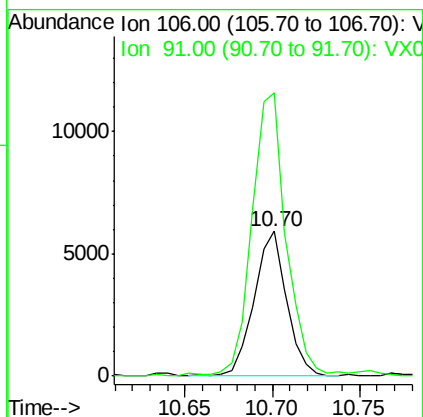
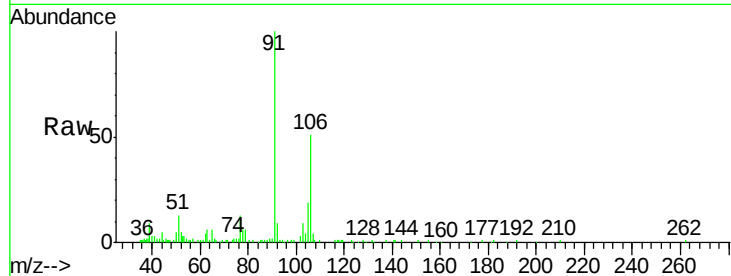




#69
o-Xylene
Concen: 0.768 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007372.D
Acq: 05 Feb 2019 13:12

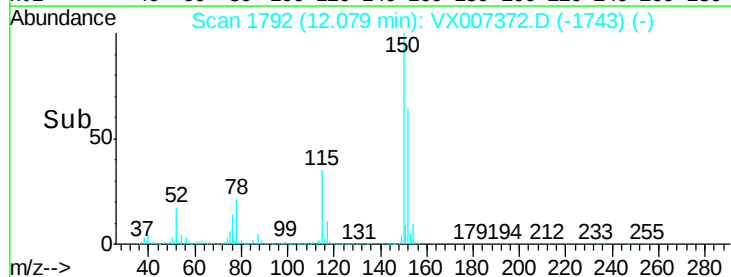
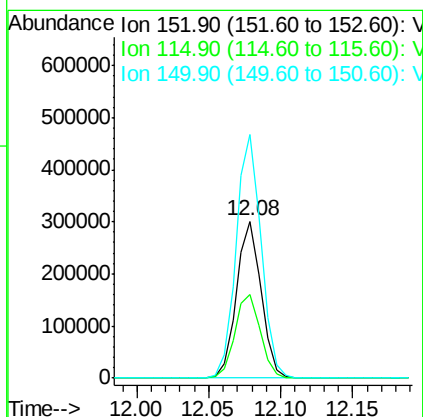
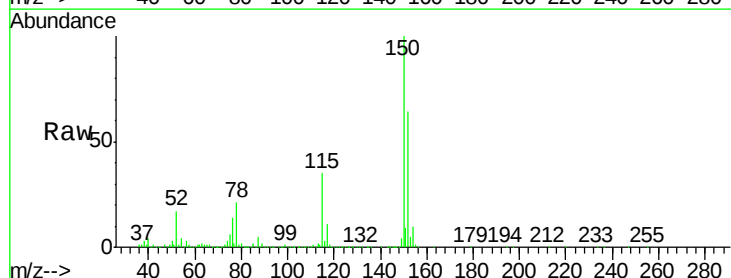
Instrument :
MSVOA_X
ClientSampleId :
SPLP-LEACH-AMND-COMP-3

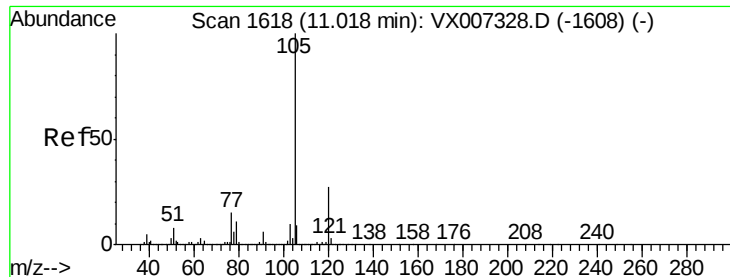
Tot Ion:106 Resp: 7690
Ion Ratio Lower Upper
106 100
91 205.4 102.9 308.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007372.D
Acq: 05 Feb 2019 13:12

Tgt Ion:152 Resp: 360508
Ion Ratio Lower Upper
152 100
115 55.2 38.0 114.0
150 157.0 0.0 346.4





#73

Isopropylbenzene

Concen: 0.314 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007372.D

Acq: 05 Feb 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

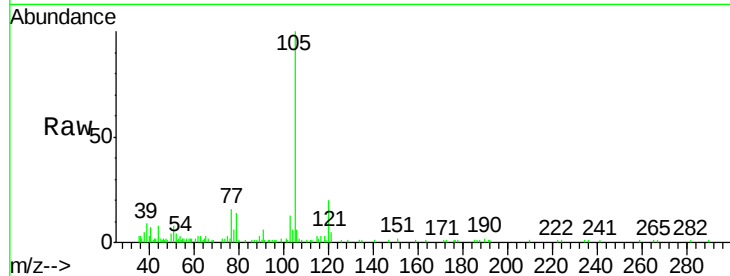
SPLP-LEACH-AMND-COMP-3

Tot Ion:105 Resp: 7683

Ion Ratio Lower Upper

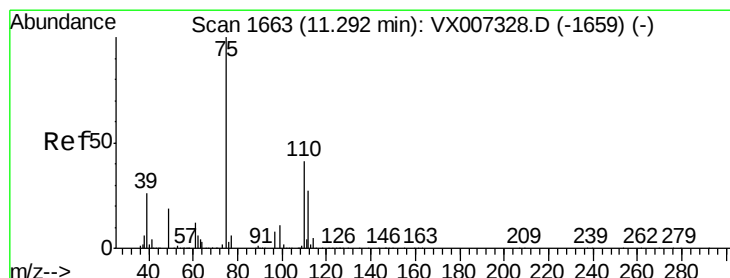
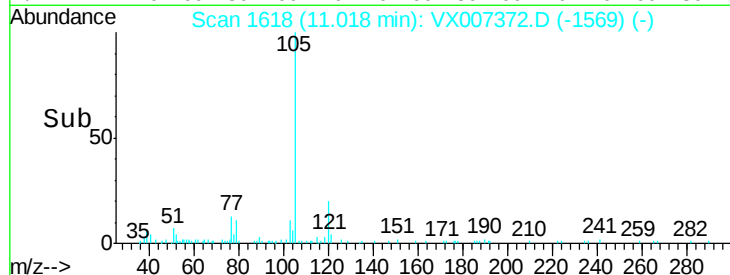
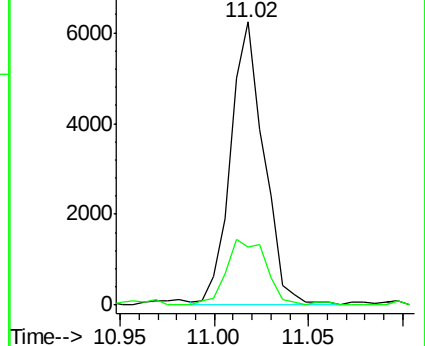
105 100

120 27.4 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 22.889 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007372.D

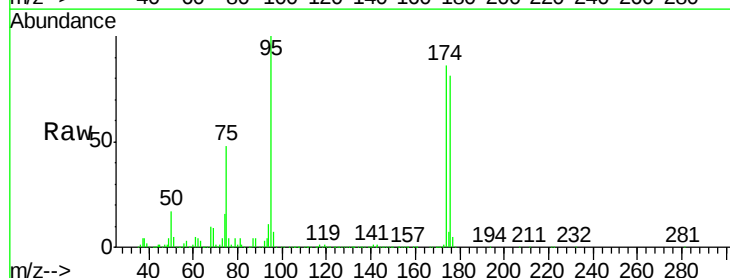
Acq: 05 Feb 2019 13:12

Tgt Ion: 75 Resp: 160508

Ion Ratio Lower Upper

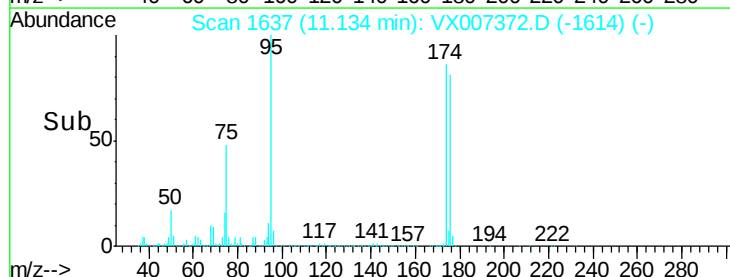
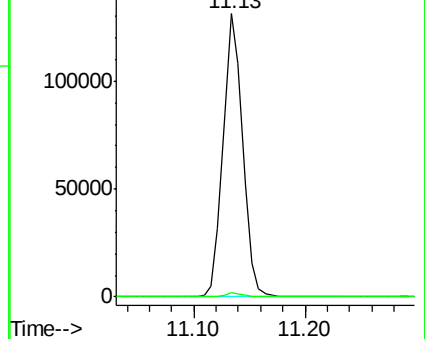
75 100

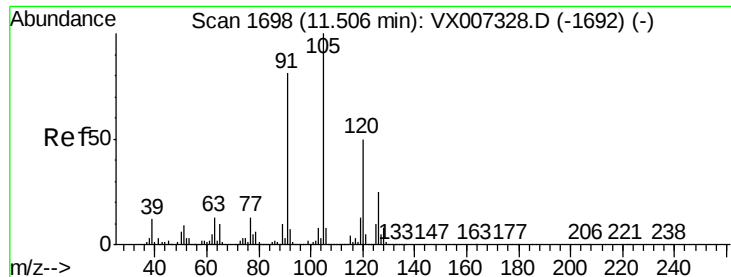
77 1.4 23.0 69.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#80

1,3,5-Trimethylbenzene

Concen: 0.508 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007372.D

Acq: 05 Feb 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

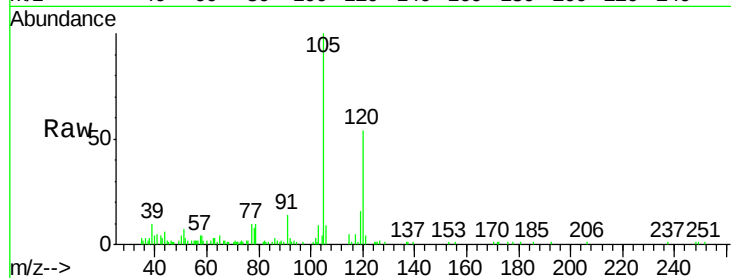
SPLP-LEACH-AMND-COMP-3

Tot Ion:105 Resp: 10185

Ion Ratio Lower Upper

105 100

120 52.3 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

15000

10000

5000

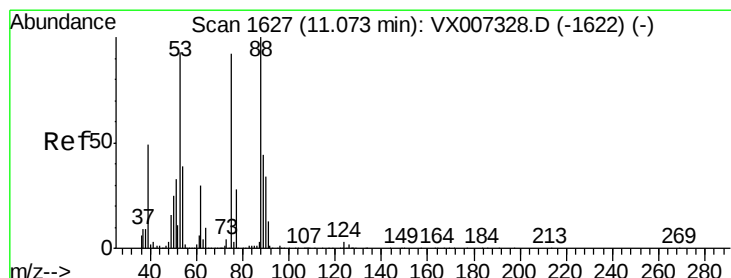
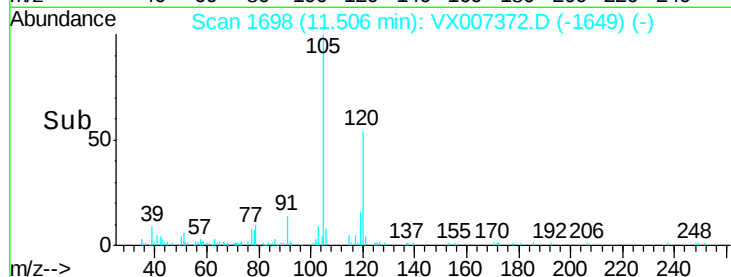
0

11.51

11.50

11.60

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 68.994 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007372.D

Acq: 05 Feb 2019 13:12

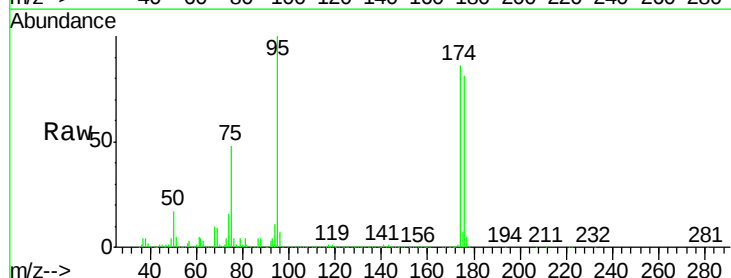
Tgt Ion: 75 Resp: 160508

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.0 41.4 62.0#



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

150000

100000

50000

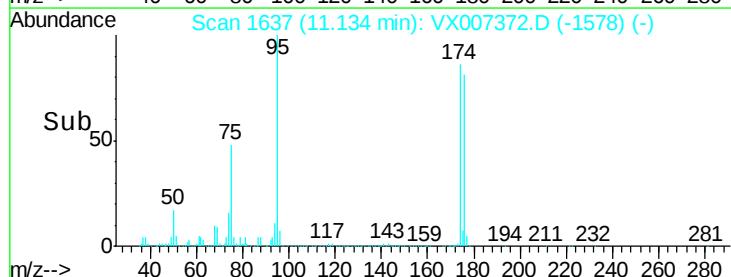
0

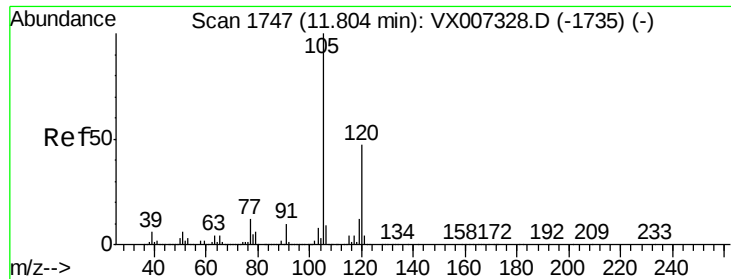
11.13

11.10

11.20

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 1.038 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007372.D

Acq: 05 Feb 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

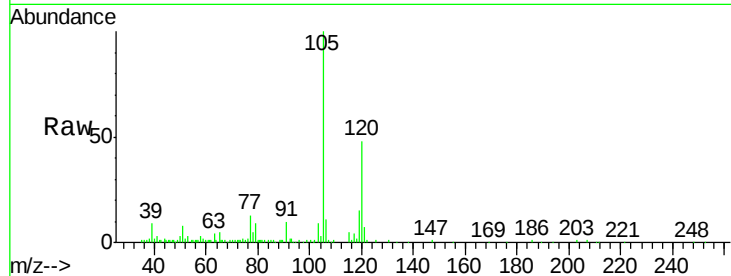
SPLP-LEACH-AMND-COMP-3

Tot Ion:105 Resp: 21124

Ion Ratio Lower Upper

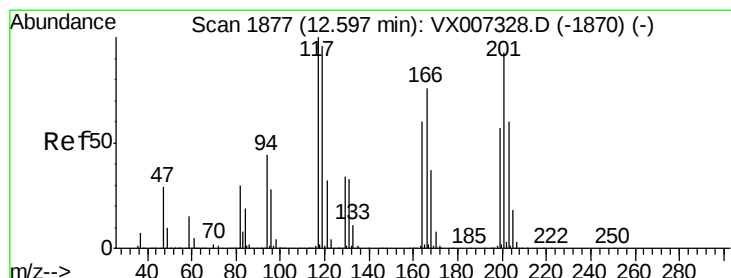
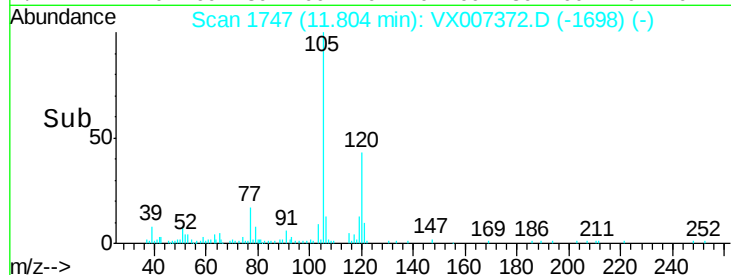
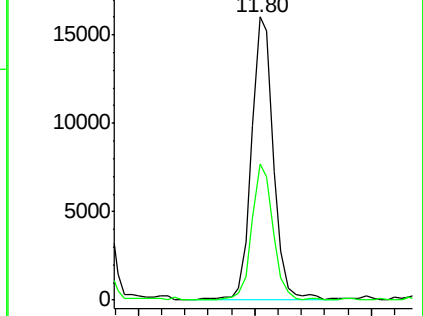
105 100

120 46.4 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#90

Hexachloroethane

Concen: 0.298 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX007372.D

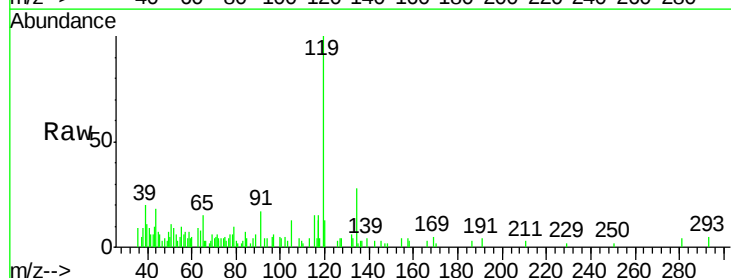
Acq: 05 Feb 2019 13:12

Tgt Ion:117 Resp: 968

Ion Ratio Lower Upper

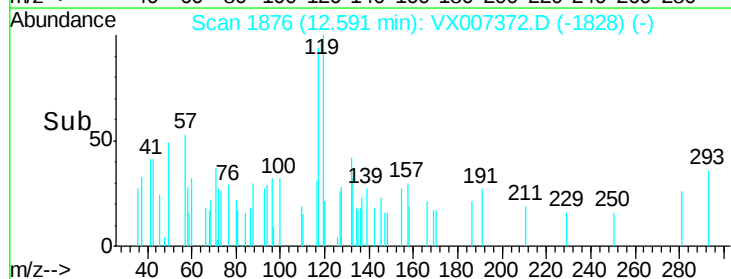
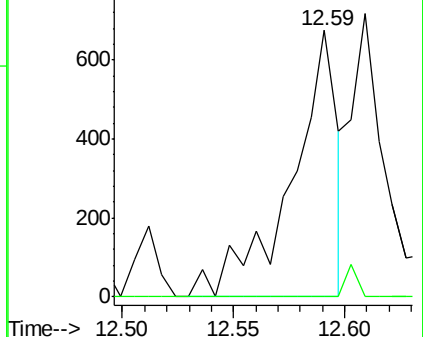
117 100

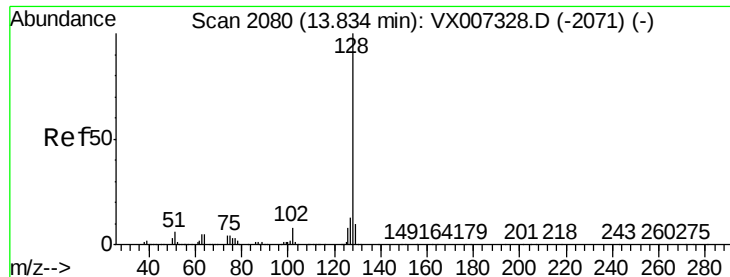
201 3.1 44.9 134.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#95

Naphthalene

Concen: 30.398 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007372.D

Acq: 05 Feb 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

SPLP-LEACH-AMND-COMP-3

Tot Ion:128 Resp: 739062

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

129 10.7 8.7 13.1

