

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020519\
 Data File : VX007371.D
 Acq On : 05 Feb 2019 12:45
 Operator : JC/SP
 Sample : K1299-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPLP-LEACH-AMND-COMP-2

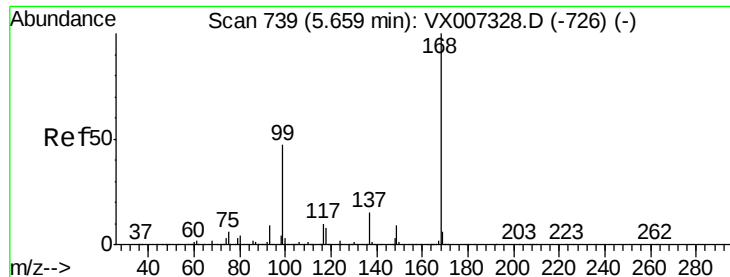
Quant Time: Feb 06 00:15:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	500162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	774736	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	733073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	364688	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	269843	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
35) Dibromofluoromethane	5.50	113	193256	38.34	ug/l	0.00
Spiked Amount			Recovery	=	76.68%	
50) Toluene-d8	8.71	98	937987	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	11.13	95	335842	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	272	0.222	ug/l #	43
5) Bromomethane	1.65	94	266	Below Cal	#	57
11) Tert butyl alcohol	3.07	59	14413	13.119	ug/l #	88
13) Acrolein	2.31	56	397	0.771	ug/l #	14
15) Acrylonitrile	3.15	53	552	0.203	ug/l #	61
16) Acetone	2.45	43	38783	15.948	ug/l	98
17) Carbon Disulfide	2.57	76	2774	2.334	ug/l	95
18) Methyl Acetate	2.78	43	3210	1.094	ug/l #	72
20) Methylene Chloride	2.86	84	3881	0.391	ug/l	98
25) 2-Butanone	4.71	43	8076	2.334	ug/l	97
36) 1,1-Dichloropropene	5.66	75	31428	4.521	ug/l #	50
38) Carbon Tetrachloride	5.66	117	45270	6.713	ug/l #	17
49) 1,4-Dioxane	7.76	88	53	7.305	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	1759	0.246	ug/l	99
69) o-Xylene	10.69	106	3165	0.321	ug/l	88
76) 1,2,3-Trichloropropane	11.13	75	159647	22.506	ug/l #	32
80) 1,3,5-Trimethylbenzene	11.51	105	4897	0.242	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.13	75	159647	67.909	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	12307	0.598	ug/l	99
95) Naphthalene	13.83	128	78653	3.198	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007371.D

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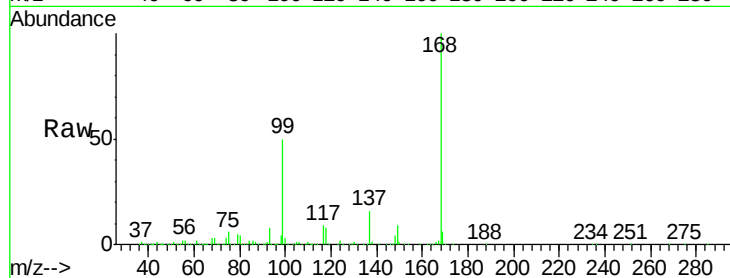
SPLP-LEACH-AMND-COMP-2

Tot Ion:168 Resp: 500162

Ion Ratio Lower Upper

168 100

99 49.9 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

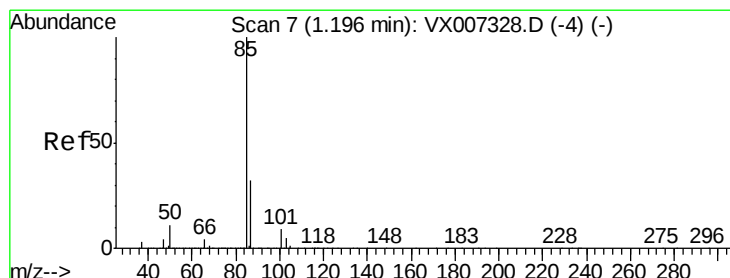
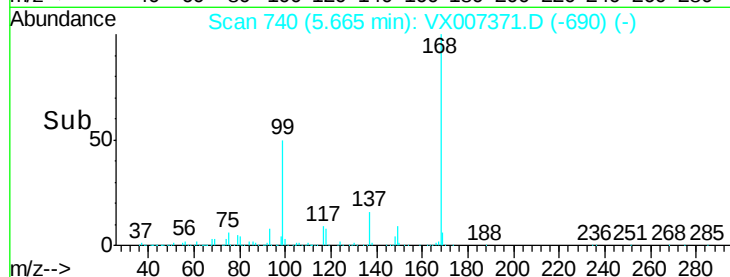
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.222 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007371.D

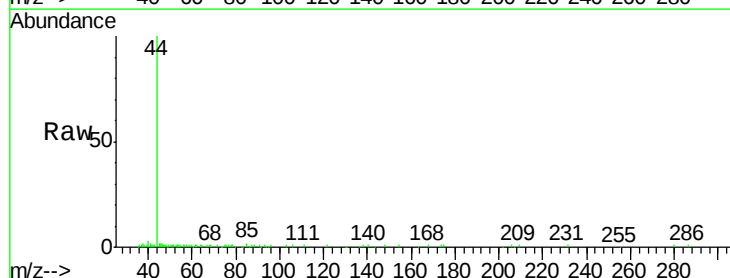
Acq: 05 Feb 2019 12:45

Tgt Ion: 85 Resp: 272

Ion Ratio Lower Upper

85 100

87 0.0 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

250

200

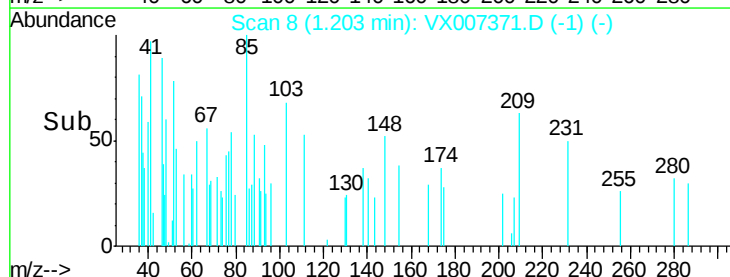
150

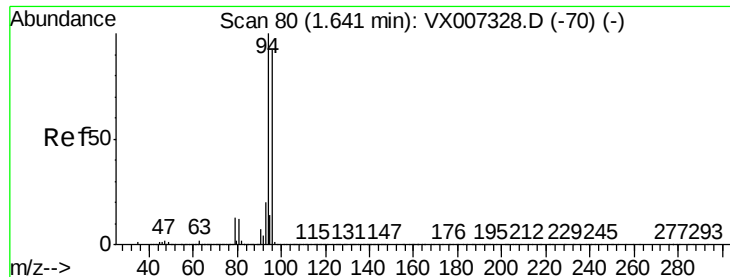
100

50

0

Time--> 1.16 1.18 1.20 1.22





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007371.D

Acq: 05 Feb 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

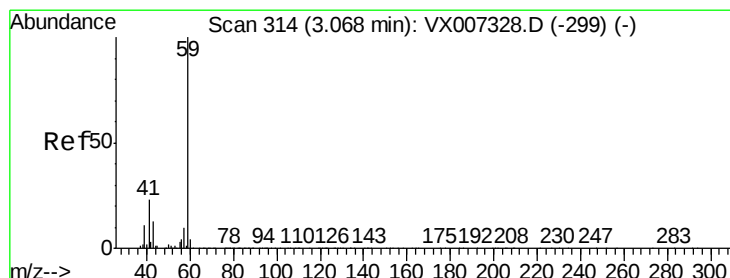
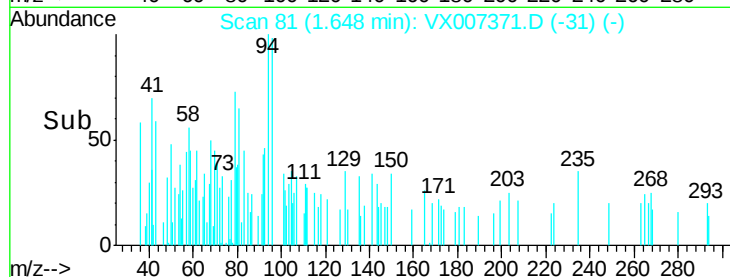
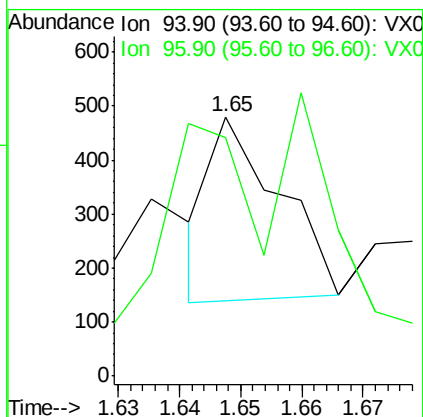
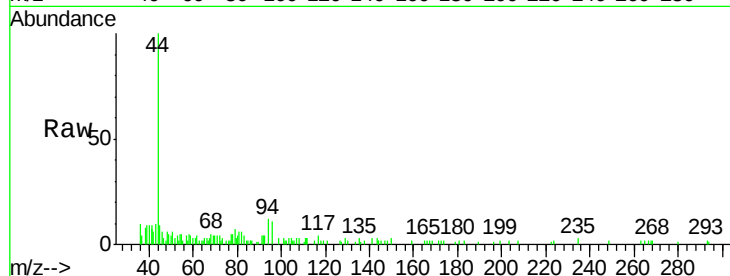
SPLP-LEACH-AMND-COMP-2

Tot Ion: 94 Resp: 266

Ion Ratio Lower Upper

94 100

96 51.1 73.9 110.9#



#11

Tert butyl alcohol

Concen: 13.119 ug/l

RT: 3.07 min Scan# 314

Delta R.T. 0.00 min

Lab File: VX007371.D

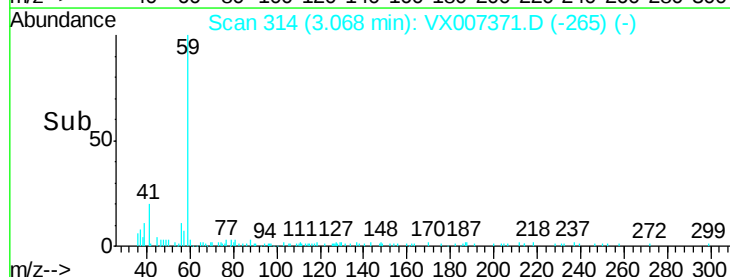
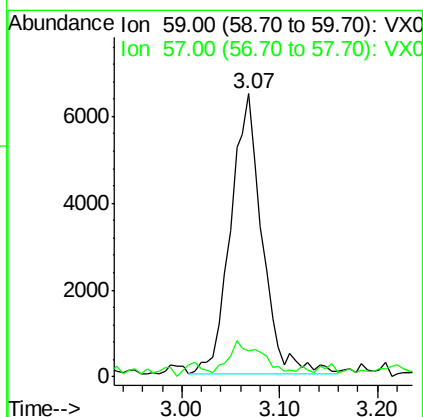
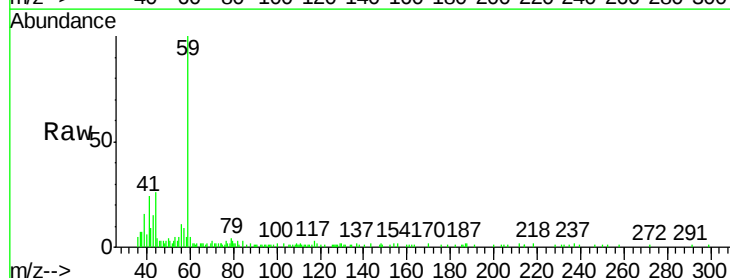
Acq: 05 Feb 2019 12:45

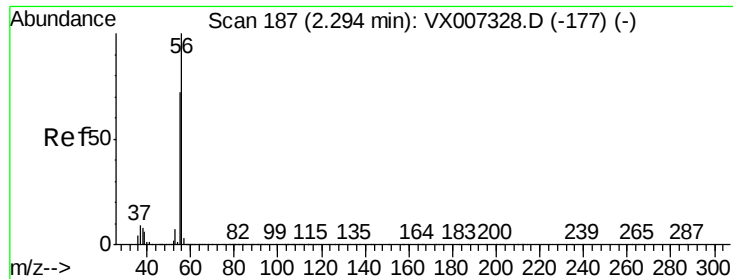
Tgt Ion: 59 Resp: 14413

Ion Ratio Lower Upper

59 100

57 14.4 8.1 12.1#

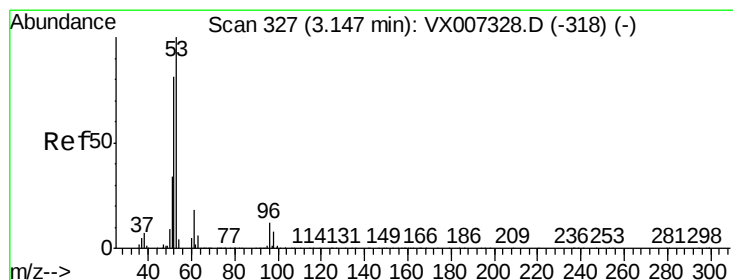
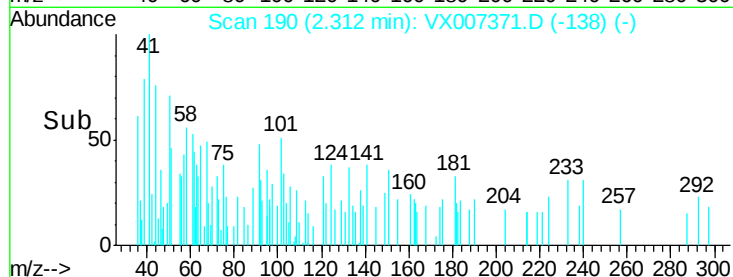
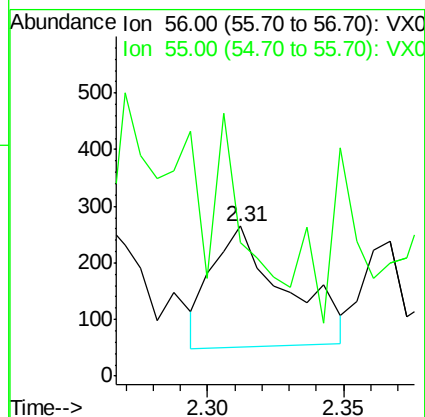
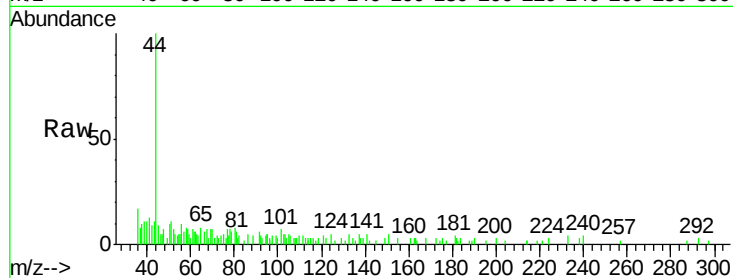




#13
Acrolein
Concen: 0.771 ug/l
RT: 2.31 min Scan# 190
Delta R.T. 0.02 min
Lab File: VX007371.D
Acq: 05 Feb 2019 12:45

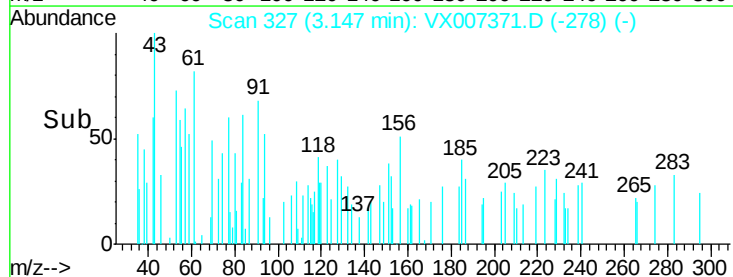
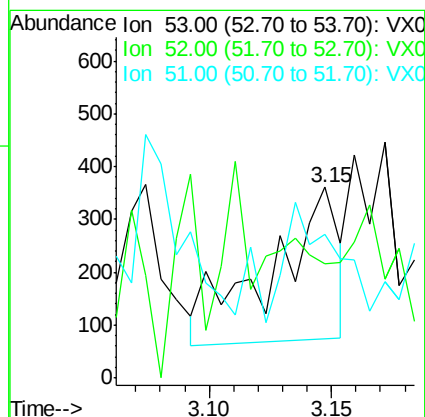
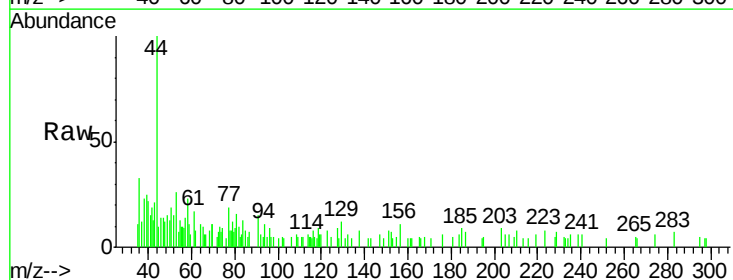
Instrument :
MSVOA_X
ClientSampleId :
SPLP-LEACH-AMND-COMP-2

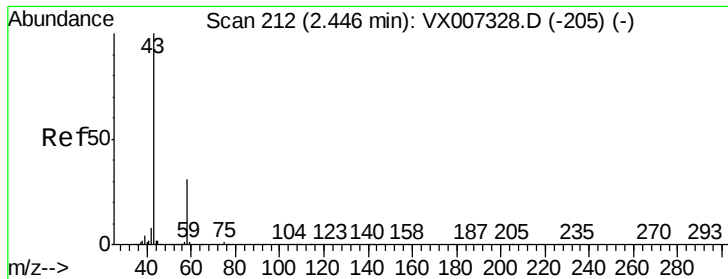
Tot Ion: 56 Resp: 397
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#



#15
Acrylonitrile
Concen: 0.203 ug/l
RT: 3.15 min Scan# 327
Delta R.T. 0.00 min
Lab File: VX007371.D
Acq: 05 Feb 2019 12:45

Tgt Ion: 53 Resp: 552
Ion Ratio Lower Upper
53 100
52 48.4 66.4 99.6#
51 59.6 28.4 42.6#





#16

Acetone

Concen: 15.948 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007371.D

Acq: 05 Feb 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

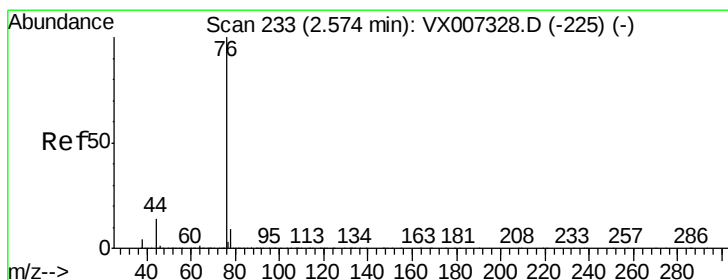
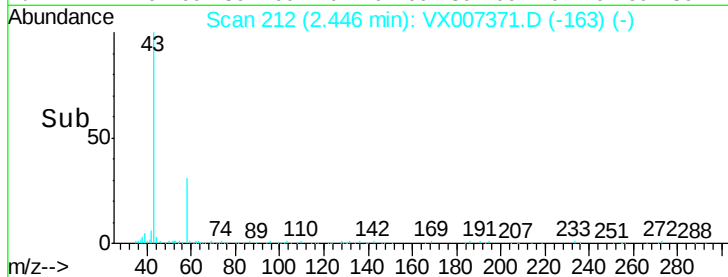
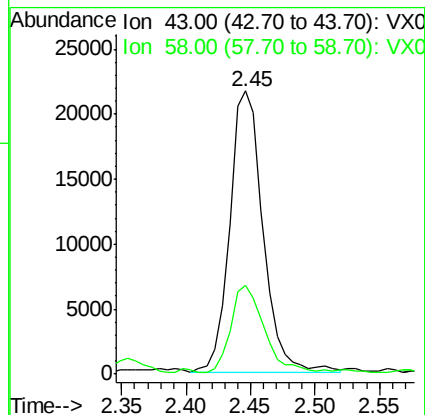
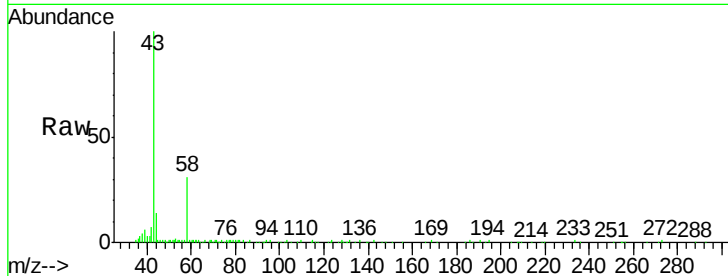
SPLP-LEACH-AMND-COMP-2

Tot Ion: 43 Resp: 38783

Ion Ratio Lower Upper

43 100

58 30.2 24.9 37.3



#17

Carbon Disulfide

Concen: 2.334 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007371.D

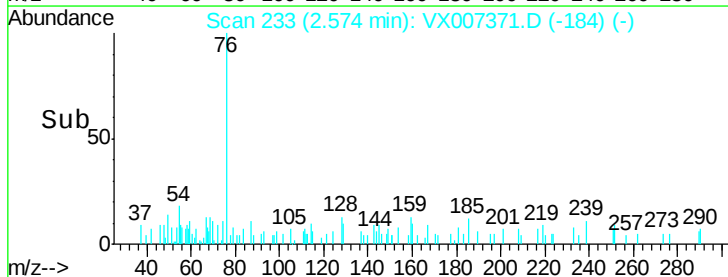
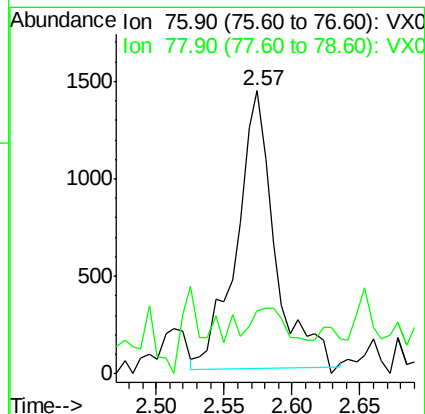
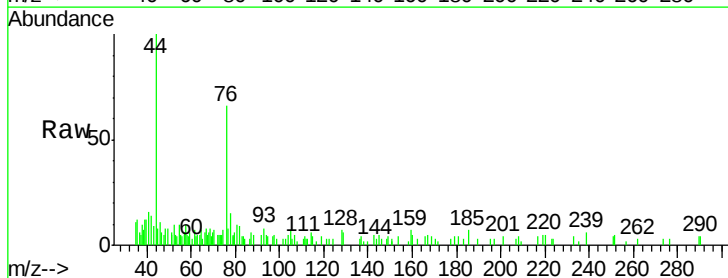
Acq: 05 Feb 2019 12:45

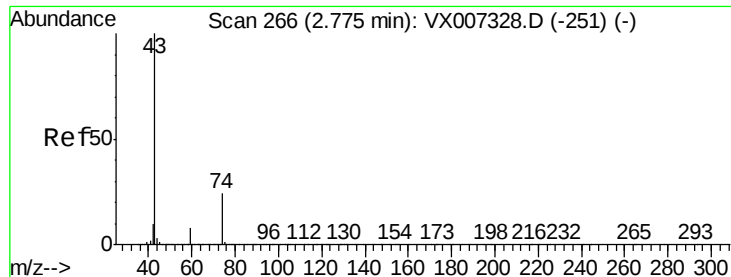
Tgt Ion: 76 Resp: 2774

Ion Ratio Lower Upper

76 100

78 10.7 7.1 10.7





#18

Methyl Acetate

Concen: 1.094 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX007371.D

Acq: 05 Feb 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

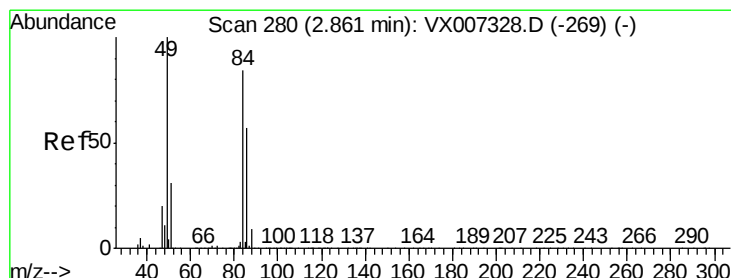
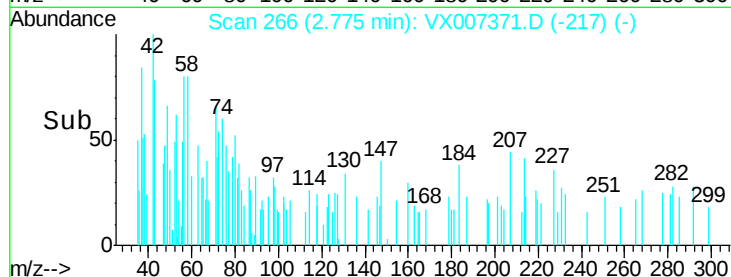
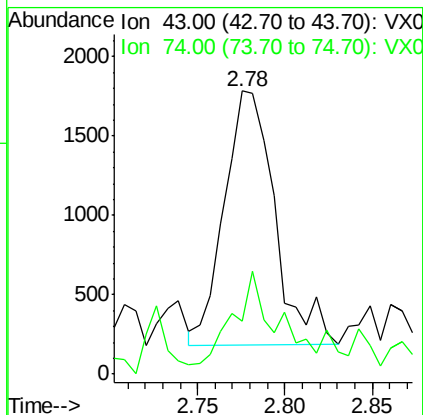
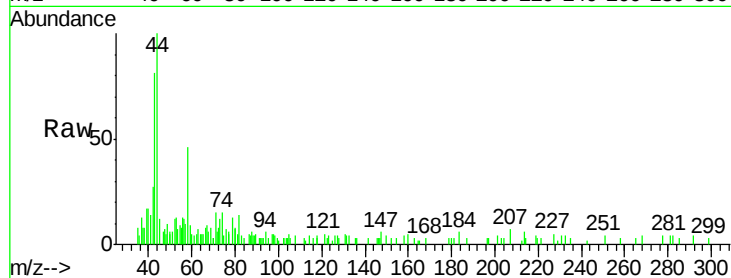
SPLP-LEACH-AMND-COMP-2

Tot Ion: 43 Resp: 3210

Ion Ratio Lower Upper

43 100

74 38.3 19.4 29.2#



#20

Methylene Chloride

Concen: 0.391 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX007371.D

Acq: 05 Feb 2019 12:45

Tgt Ion: 84 Resp: 3881

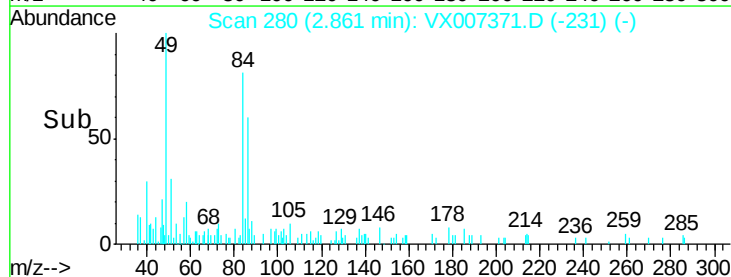
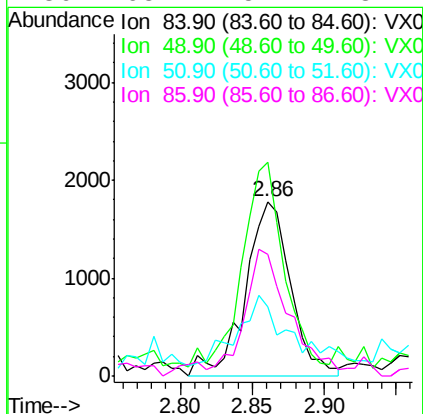
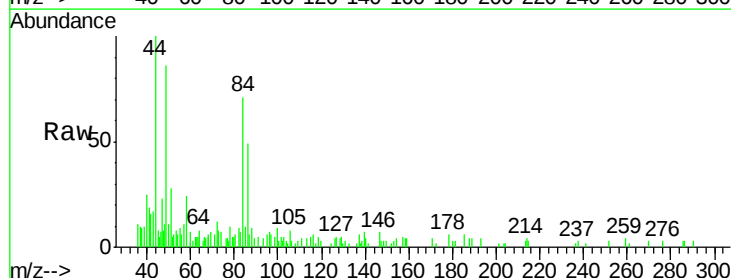
Ion Ratio Lower Upper

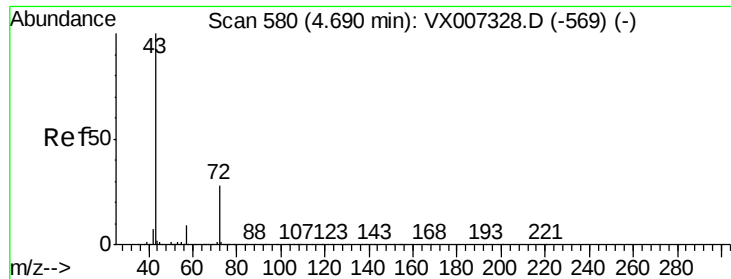
84 100

49 117.2 94.8 142.2

51 33.7 29.8 44.8

86 65.7 54.1 81.1





#25

2-Butanone

Concen: 2.334 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.02 min

Lab File: VX007371.D

Acq: 05 Feb 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

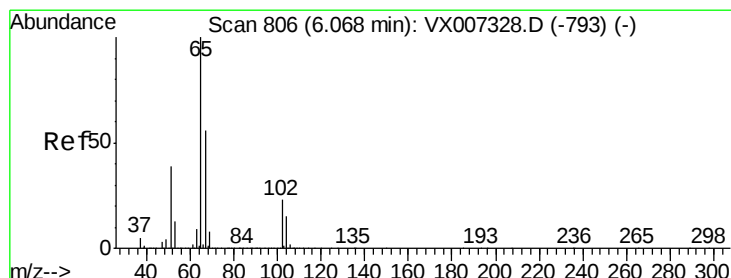
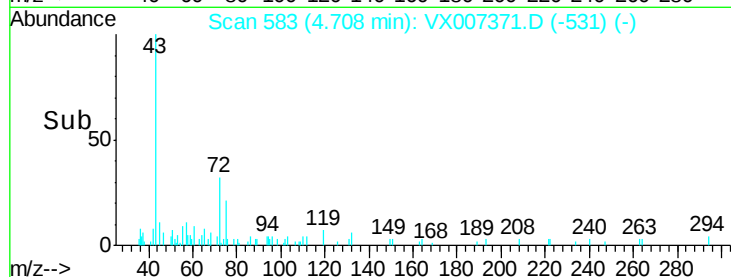
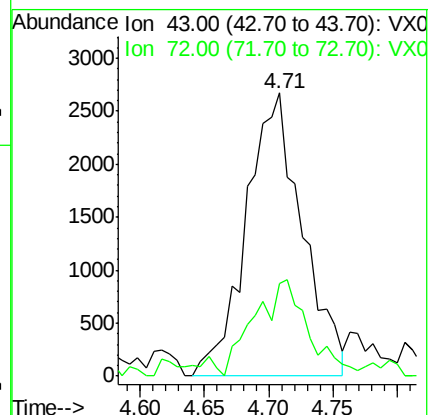
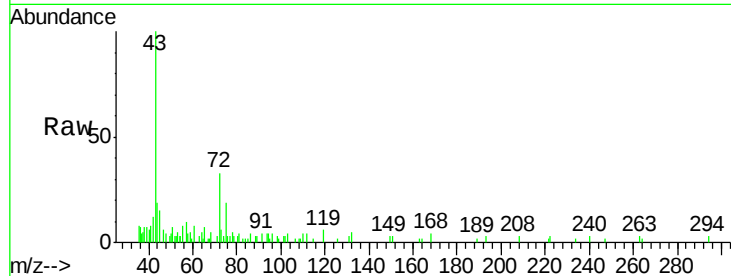
SPLP-LEACH-AMND-COMP-2

Tot Ion: 43 Resp: 8076

Ion Ratio Lower Upper

43 100

72 29.3 22.2 33.2



#33

1,2-Dichloroethane-d4

Concen: 50.829 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007371.D

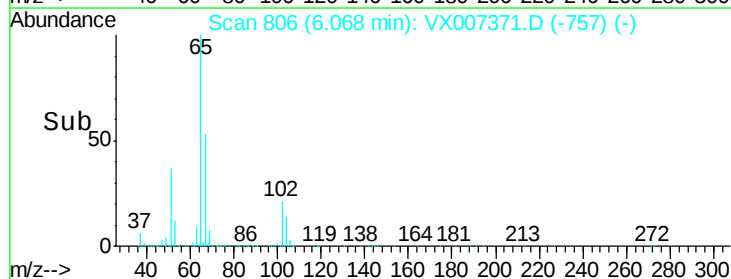
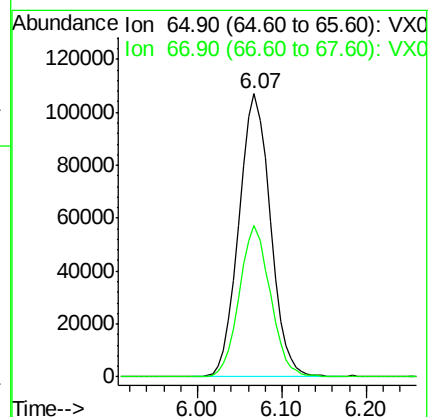
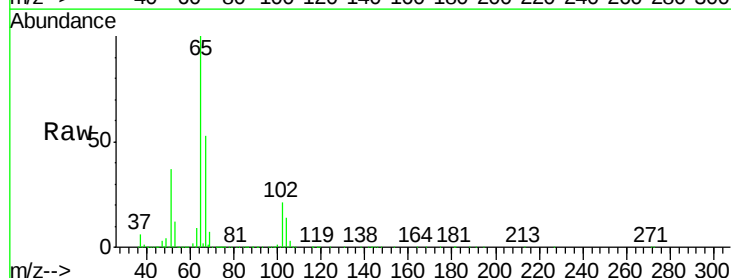
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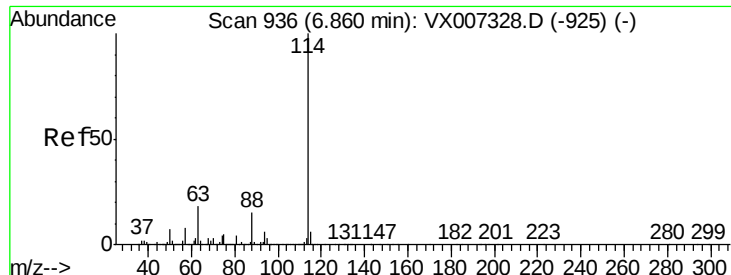
Tgt Ion: 65 Resp: 269843

Ion Ratio Lower Upper

65 100

67 53.1 0.0 108.8

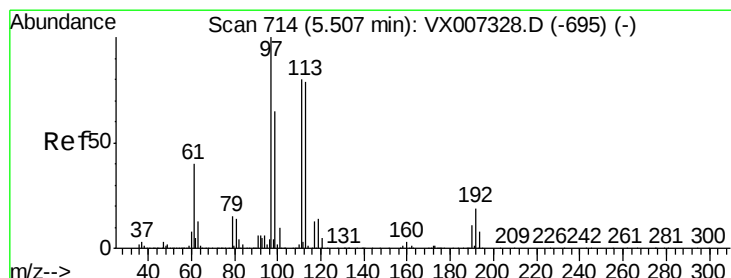
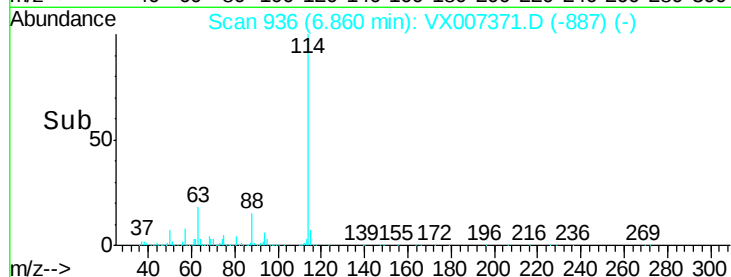
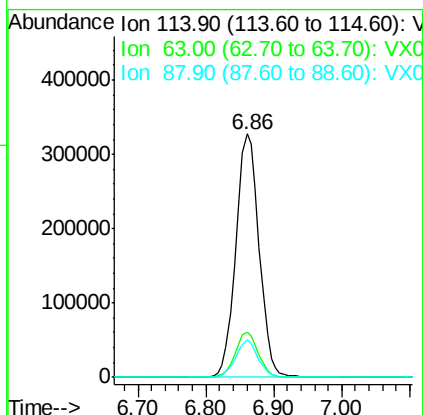
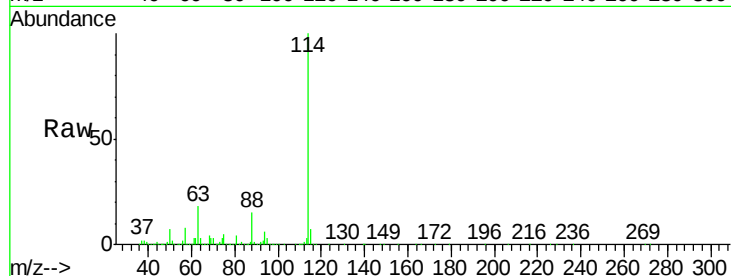




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX007371.D
Acq: 05 Feb 2019 12:45

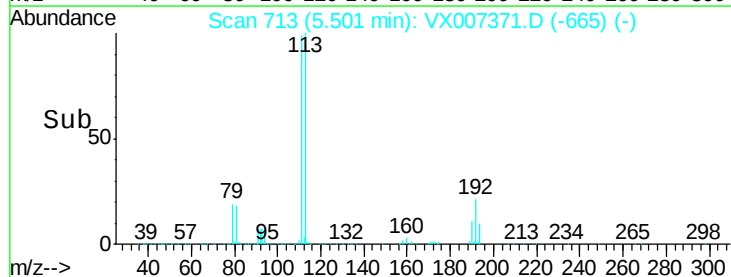
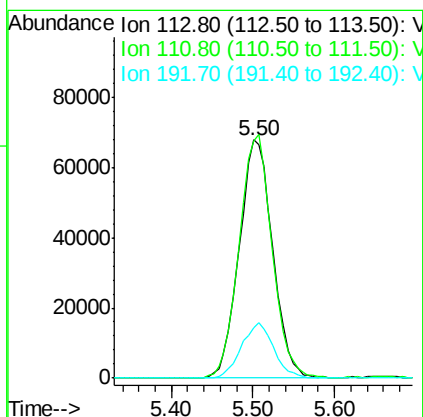
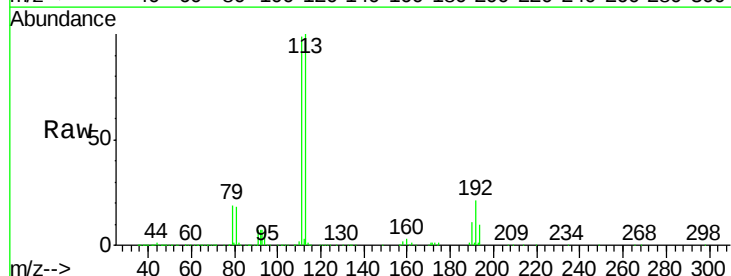
Instrument :
MSVOA_X
ClientSampleId :
SPLP-LEACH-AMND-COMP-2

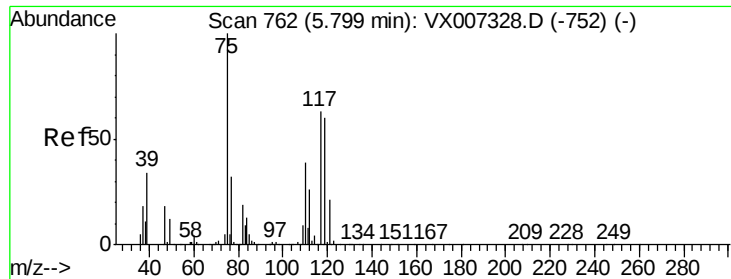
Tot Ion:114 Resp: 774736
Ion Ratio Lower Upper
114 100
63 18.4 0.0 35.6
88 15.3 0.0 29.6



#35
Dibromofluoromethane
Concen: 38.337 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.01 min
Lab File: VX007371.D
Acq: 05 Feb 2019 12:45

Tgt Ion:113 Resp: 193256
Ion Ratio Lower Upper
113 100
111 100.8 81.8 122.8
192 22.5 18.5 27.7

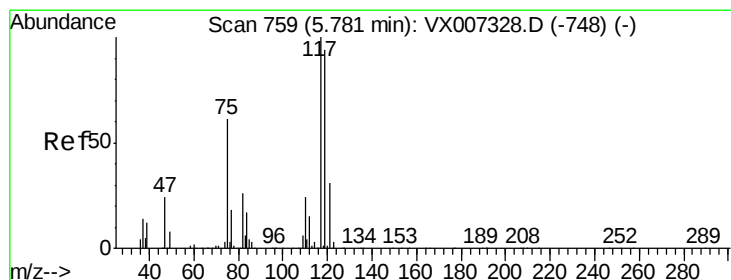
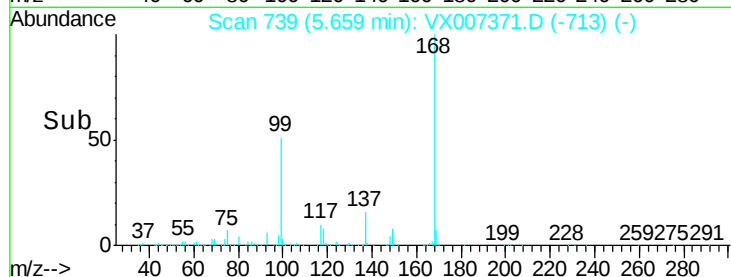
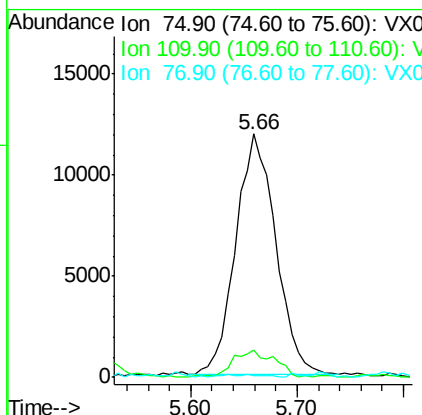
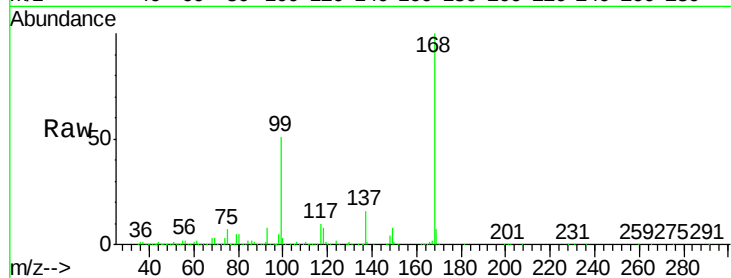




#36
 1,1-Dichloropropene
 Concen: 4.521 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX007371.D
 Acq: 05 Feb 2019 12:45

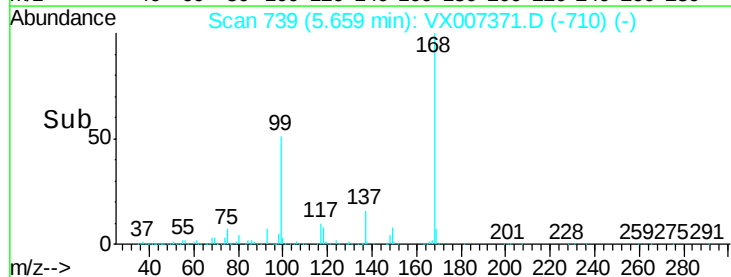
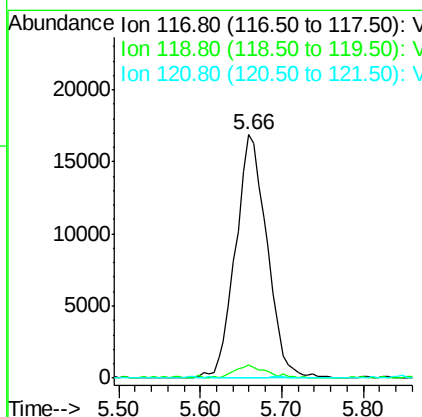
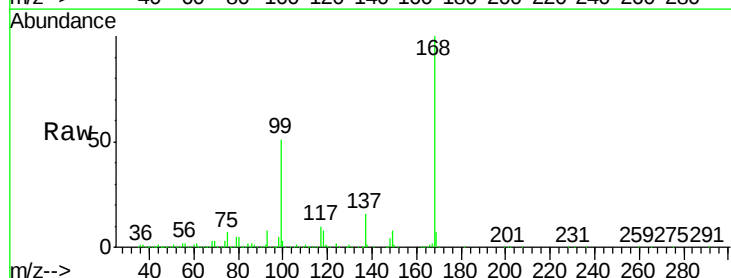
Instrument :
 MSVOA_X
 ClientSampleId :
 SPLP-LEACH-AMND-COMP-2

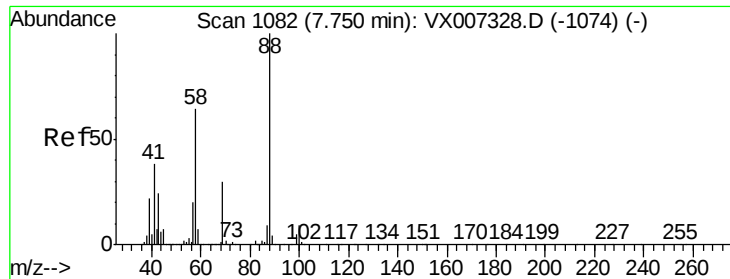
Tot Ion: 75 Resp: 31428
 Ion Ratio Lower Upper
 75 100
 110 11.8 20.0 59.9#
 77 0.5 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.713 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX007371.D
 Acq: 05 Feb 2019 12:45

Tgt Ion: 117 Resp: 45270
 Ion Ratio Lower Upper
 117 100
 119 5.4 75.3 112.9#
 121 0.3 25.0 37.4#

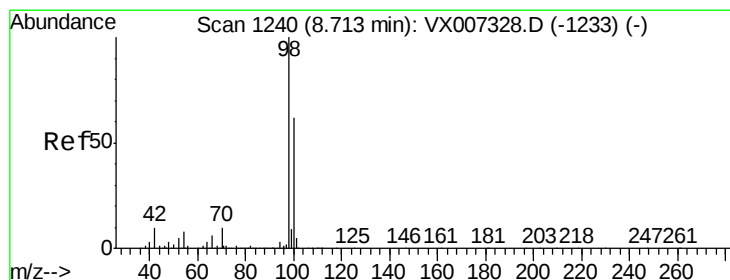
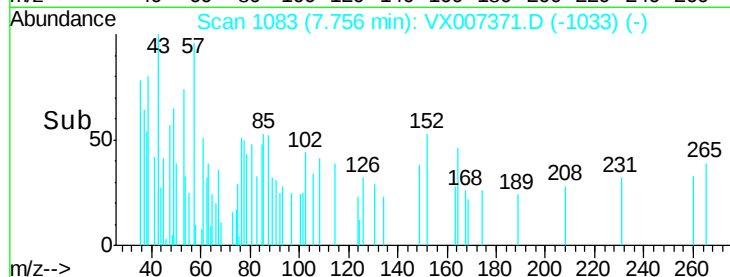
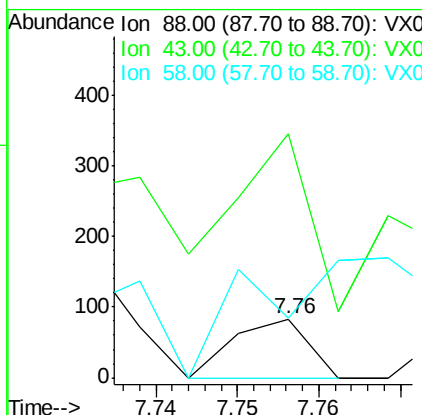
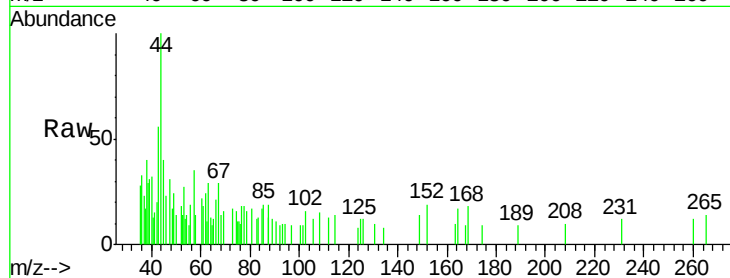




#49
1,4-Dioxane
Concen: 7.305 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX007371.D
Acq: 05 Feb 2019 12:45

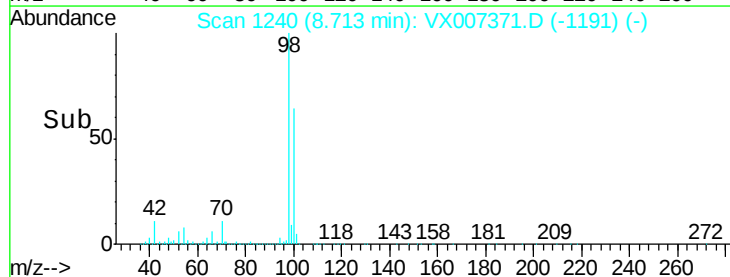
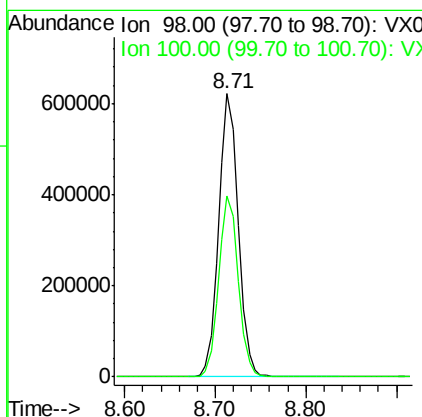
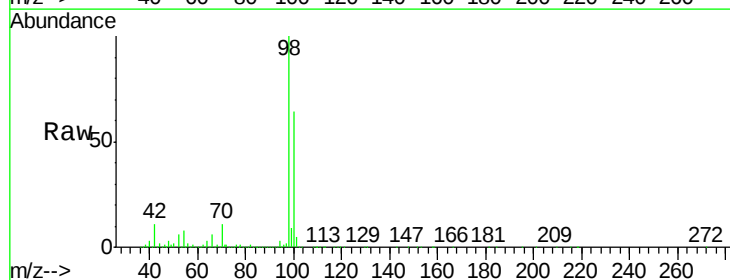
Instrument :
MSVOA_X
ClientSampleId :
SPLP-LEACH-AMND-COMP-2

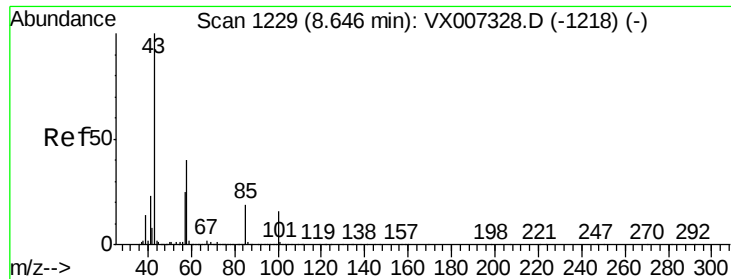
Tot Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 24.2 36.4#
58 550.9 53.0 79.4#



#50
Toluene-d8
Concen: 50.152 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007371.D
Acq: 05 Feb 2019 12:45

Tgt Ion: 98 Resp: 937987
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4

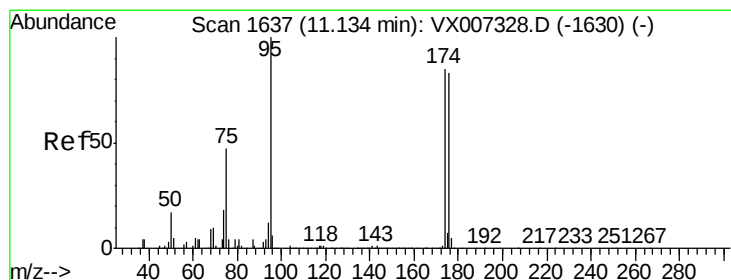
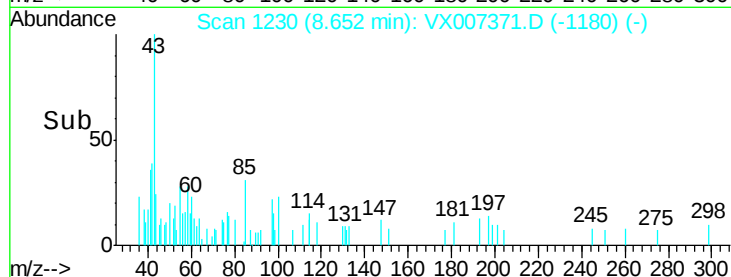
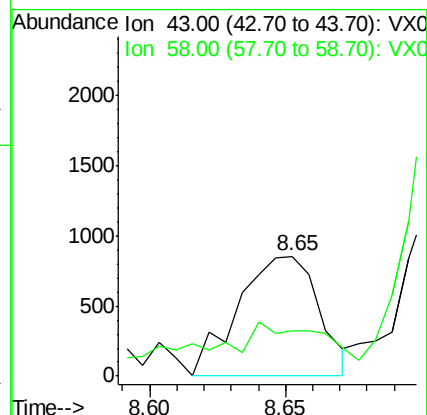
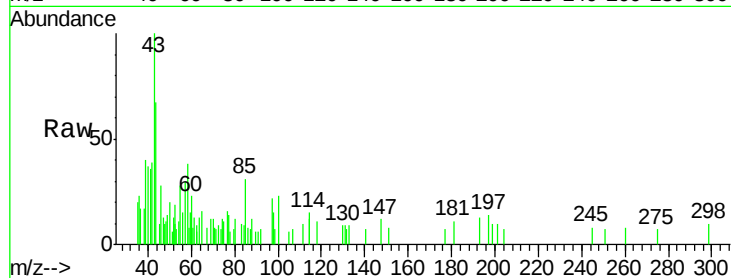




#51
4-Methyl-2-Pentanone
Concen: 0.246 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.01 min
Lab File: VX007371.D
Acq: 05 Feb 2019 12:45

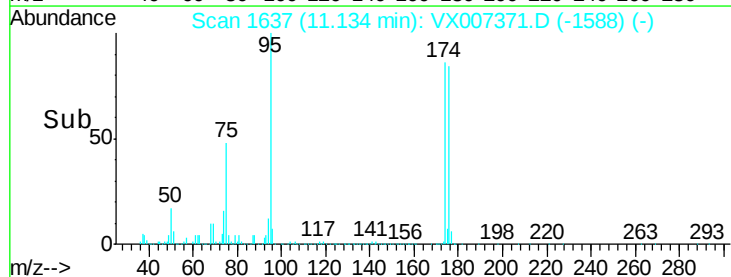
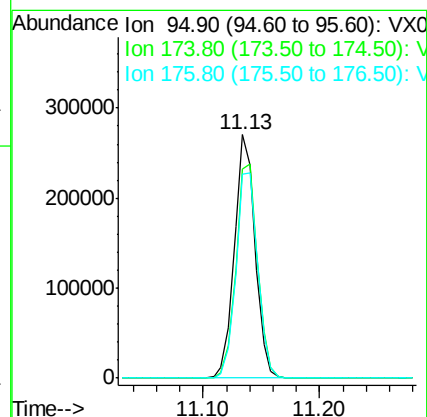
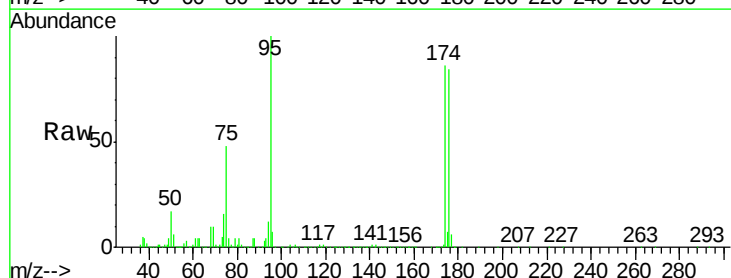
Instrument :
MSVOA_X
ClientSampleId :
SPLP-LEACH-AMND-COMP-2

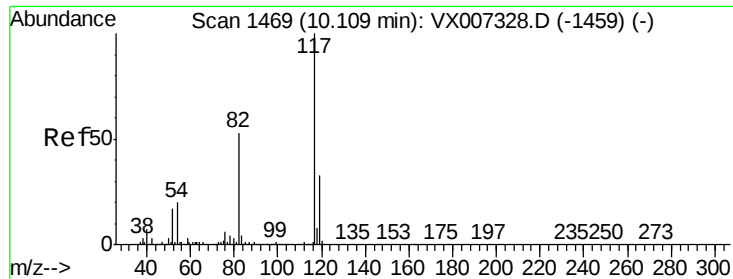
Tot Ion: 43 Resp: 1759
Ion Ratio Lower Upper
43 100
58 38.5 31.2 46.8



#62
4-Bromofluorobenzene
Concen: 49.183 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007371.D
Acq: 05 Feb 2019 12:45

Tgt Ion: 95 Resp: 335842
Ion Ratio Lower Upper
95 100
174 91.7 0.0 189.2
176 89.0 0.0 186.2

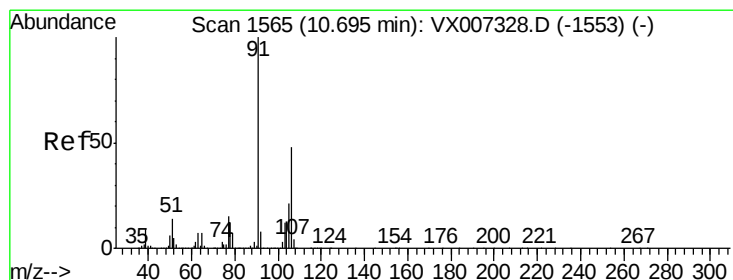
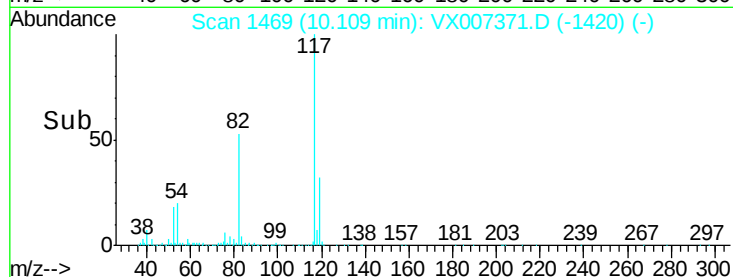
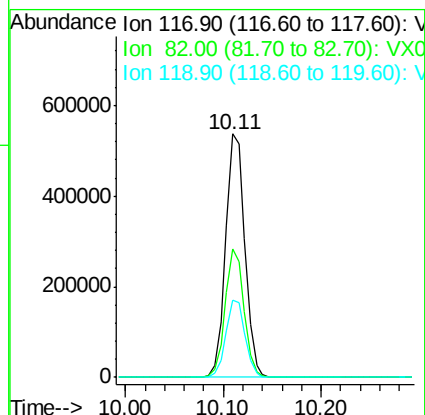
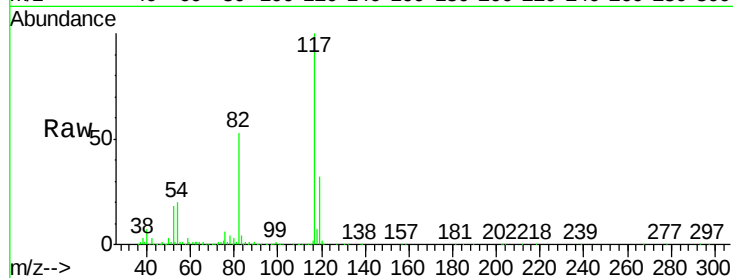




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007371.D
Acq: 05 Feb 2019 12:45

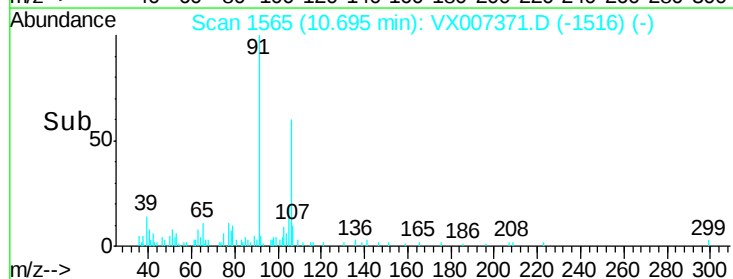
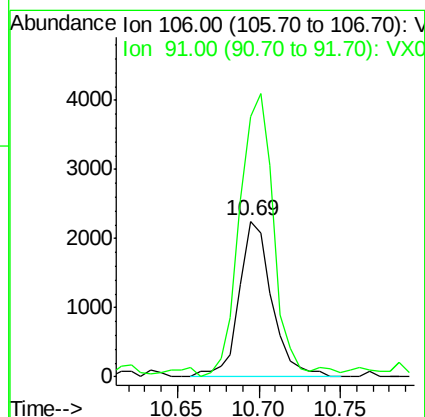
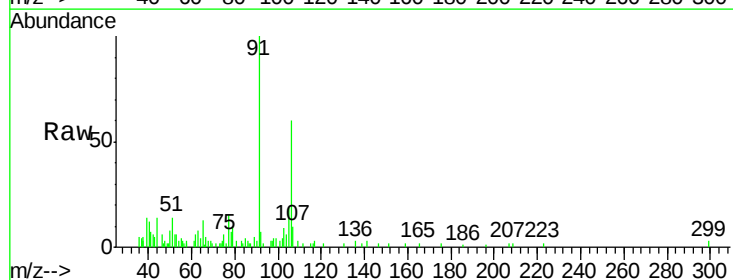
Instrument :
MSVOA_X
ClientSampleId :
SPLP-LEACH-AMND-COMP-2

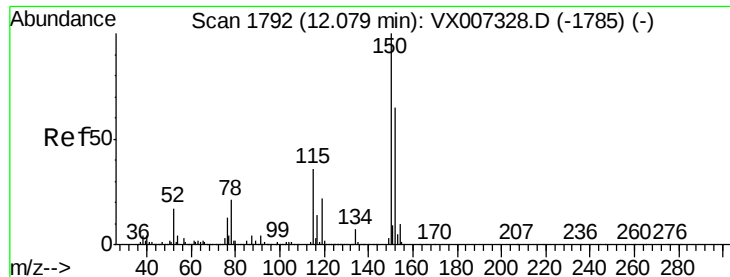
Tot Ion:117 Resp: 733073
Ion Ratio Lower Upper
117 100
82 52.8 42.1 63.1
119 31.8 26.5 39.7



#69
o-Xylene
Concen: 0.321 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007371.D
Acq: 05 Feb 2019 12:45

Tgt Ion:106 Resp: 3165
Ion Ratio Lower Upper
106 100
91 187.0 102.9 308.7



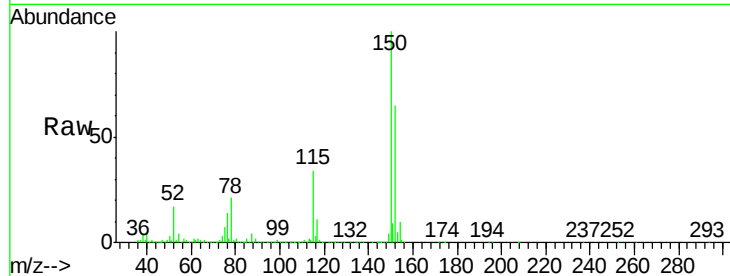


#72

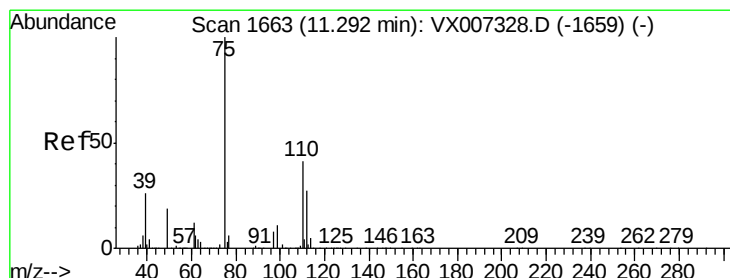
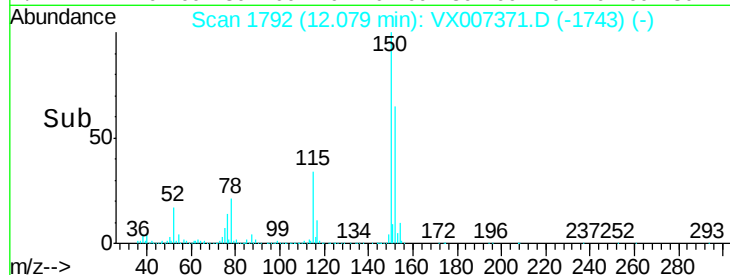
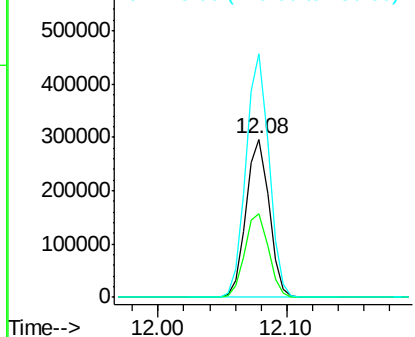
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007371.D
Acq: 05 Feb 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
SPLP-LEACH-AMND-COMP-2

Tot Ion:152 Resp: 364688
Ion Ratio Lower Upper
152 100
115 54.6 38.0 114.0
150 153.7 0.0 346.4



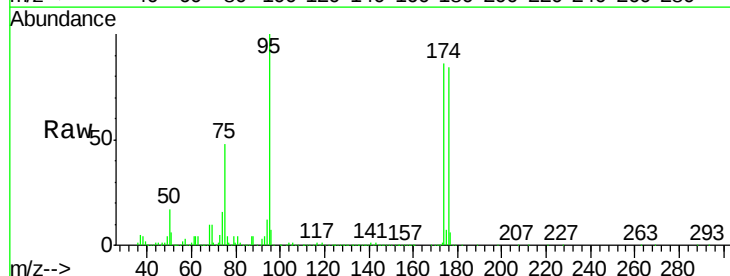
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



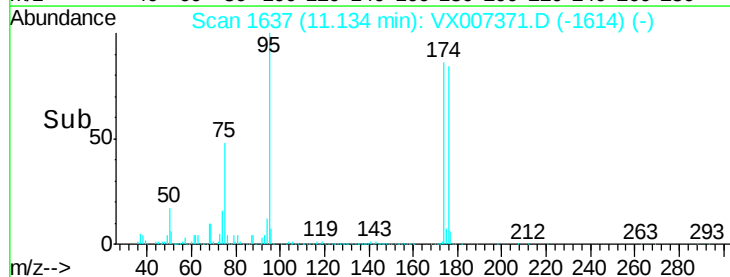
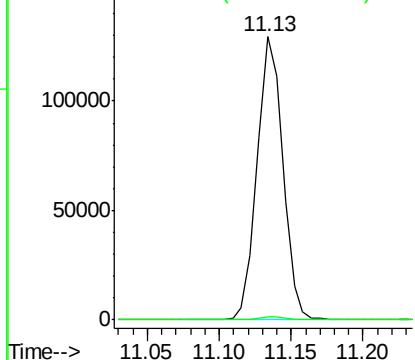
#76

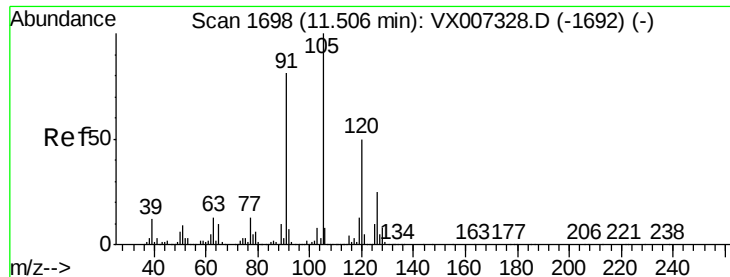
1,2,3-Trichloropropane
Concen: 22.506 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007371.D
Acq: 05 Feb 2019 12:45

Tgt Ion: 75 Resp: 159647
Ion Ratio Lower Upper
75 100
77 1.3 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: 0.242 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007371.D

Acq: 05 Feb 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

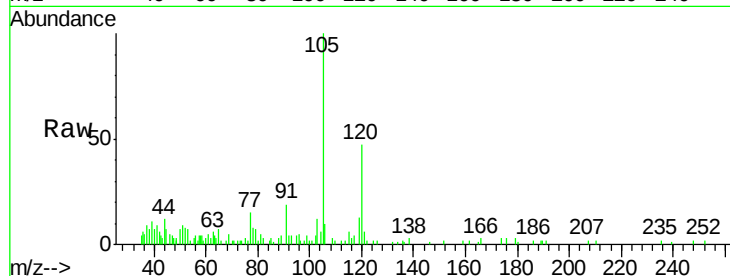
SPLP-LEACH-AMND-COMP-2

Tot Ion:105 Resp: 4897

Ion Ratio Lower Upper

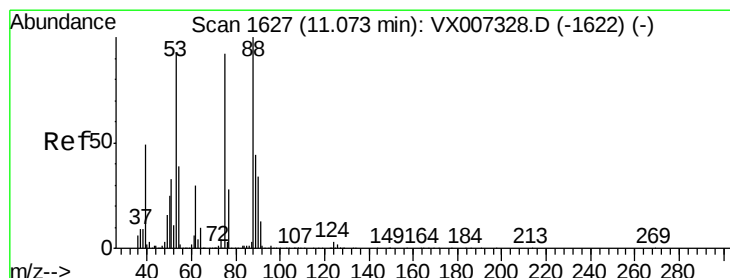
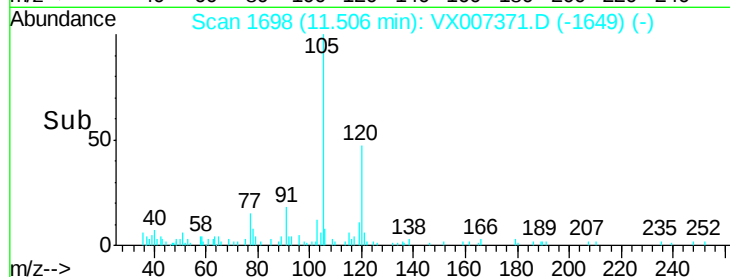
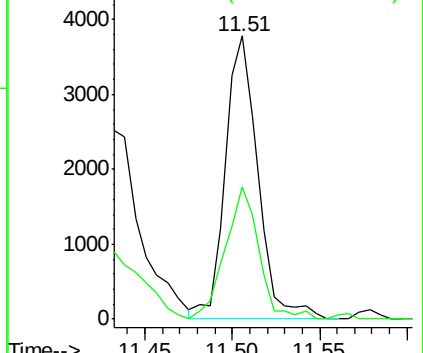
105 100

120 48.4 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 67.909 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007371.D

Acq: 05 Feb 2019 12:45

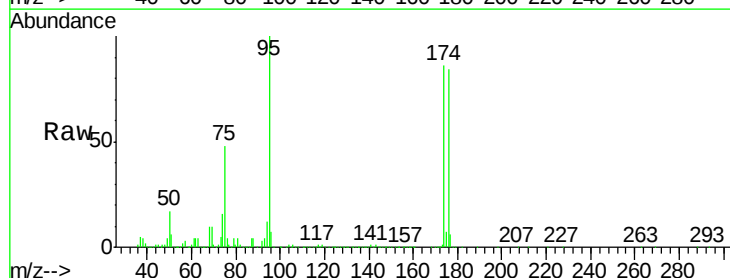
Tgt Ion: 75 Resp: 159647

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

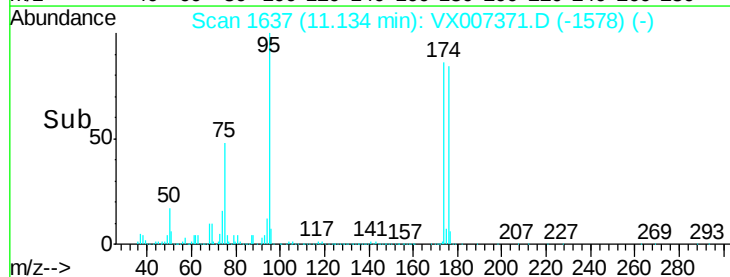
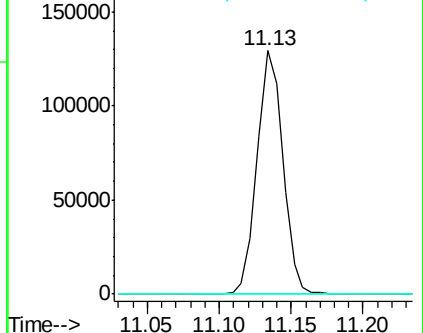
89 0.1 41.4 62.0#

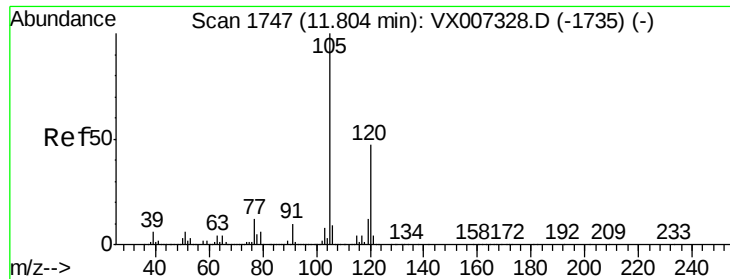


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

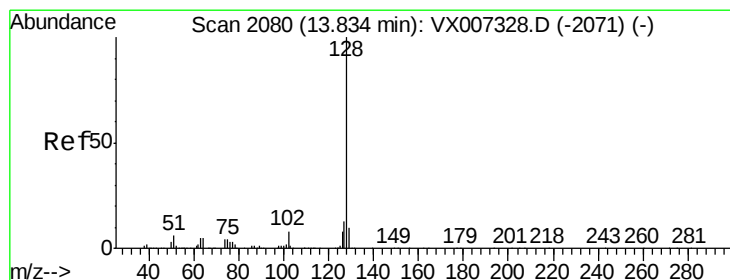
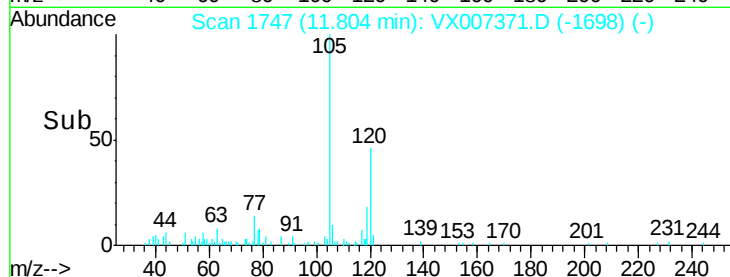
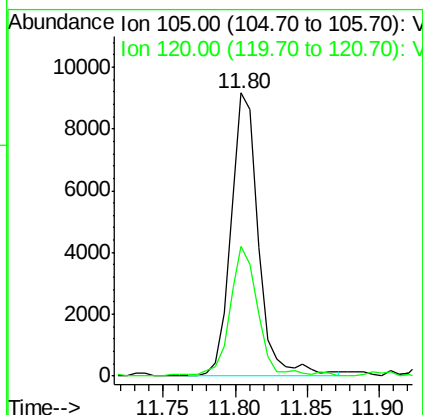
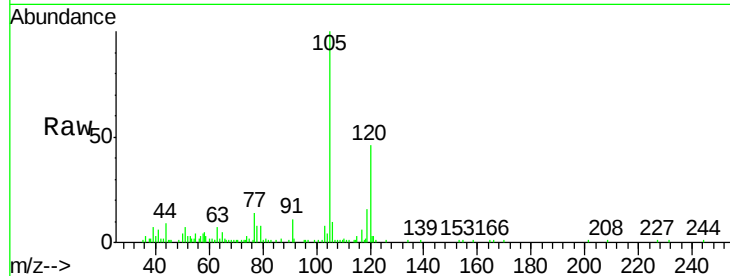




#84
 1,2,4-Trimethylbenzene
 Concen: 0.598 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007371.D
 Acq: 05 Feb 2019 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 SPLP-LEACH-AMND-COMP-2

Tot Ion:105 Resp: 12307
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.1 69.3



#95
 Naphthalene
 Concen: 3.198 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX007371.D
 Acq: 05 Feb 2019 12:45

Tgt Ion:128 Resp: 78653
 Ion Ratio Lower Upper
 128 100
 127 13.7 10.5 15.7
 129 11.3 8.7 13.1

