

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120318\
 Data File : VU028431.D
 Acq On : 03 Dec 2018 11:16
 Operator : MD/SY
 Sample : J6159-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CB-1129-S-TCLP-GRID19

Quant Time: Dec 04 06:52:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	298664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	561496	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	511822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	222284	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	245284	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
35) Dibromofluoromethane	4.88	113	184071	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
50) Toluene-d8	7.57	98	724377	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
62) 4-Bromofluorobenzene	10.31	95	251723	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1837	0.237	ug/l #	76
11) Tert butyl alcohol	2.83	59	405	0.357	ug/l #	72
13) Acrolein	2.20	56	389	0.386	ug/l #	24
16) Acetone	2.32	43	41442	13.572	ug/l	97
17) Carbon Disulfide	2.48	76	4153	0.339	ug/l #	72
18) Methyl Acetate	2.62	43	1990	0.234	ug/l	97
20) Methylene Chloride	2.70	84	487400	113.267	ug/l	93
29) Tetrahydrofuran	4.66	42	1786	0.629	ug/l #	66
30) Chloroform	4.67	83	1682	0.225	ug/l	87
31) Cyclohexane	4.98	56	7135	0.477	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	25945	4.223	ug/l #	50
38) Carbon Tetrachloride	4.98	117	29533	5.853	ug/l #	15
43) Isopropyl Acetate	5.56	43	34324	2.587	ug/l	98
48) Methyl methacrylate	6.70	41	54863	7.938	ug/l #	48
49) 1,4-Dioxane	6.63	88	101	0.915	ug/l #	1
51) 4-Methyl-2-Pentanone	7.42	43	102793	12.129	ug/l #	48
52) Toluene	7.64	92	2250	0.215	ug/l	84
54) cis-1,3-Dichloropropene	7.42	75	42749	5.481	ug/l #	55
59) 2-Hexanone	8.41	43	66624	10.149	ug/l #	55
64) Tetrachloroethene	8.23	164	817	0.243	ug/l	92
68) m/p-Xylenes	9.38	106	3720	0.516	ug/l	99
69) o-Xylene	9.78	106	1623	0.227	ug/l	73
70) Styrene	9.80	104	2343	0.203	ug/l	95
74) N-ethyl acetate	10.03	43	2954	0.273	ug/l #	89
76) 1,2,3-Trichloropropane	10.30	75	129227	20.964	ug/l #	33
78) n-propylbenzene	10.59	91	5903	0.277	ug/l	95
79) 2-Chlorotoluene	10.66	91	2735	0.218	ug/l	79
80) 1,3,5-Trimethylbenzene	10.77	105	6864	0.471	ug/l	96
81) trans-1,4-Dichloro-2-buten	10.30	75	129227	55.650	ug/l #	100
82) 4-Chlorotoluene	10.77	91	3739	0.258	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	13933	0.944	ug/l	92
85) sec-Butylbenzene	11.32	105	3847	0.218	ug/l	93
87) 1,3-Dichlorobenzene	11.42	146	3241	0.436	ug/l	86
88) 1,4-Dichlorobenzene	11.42	146	3241	0.433	ug/l	87

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Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration

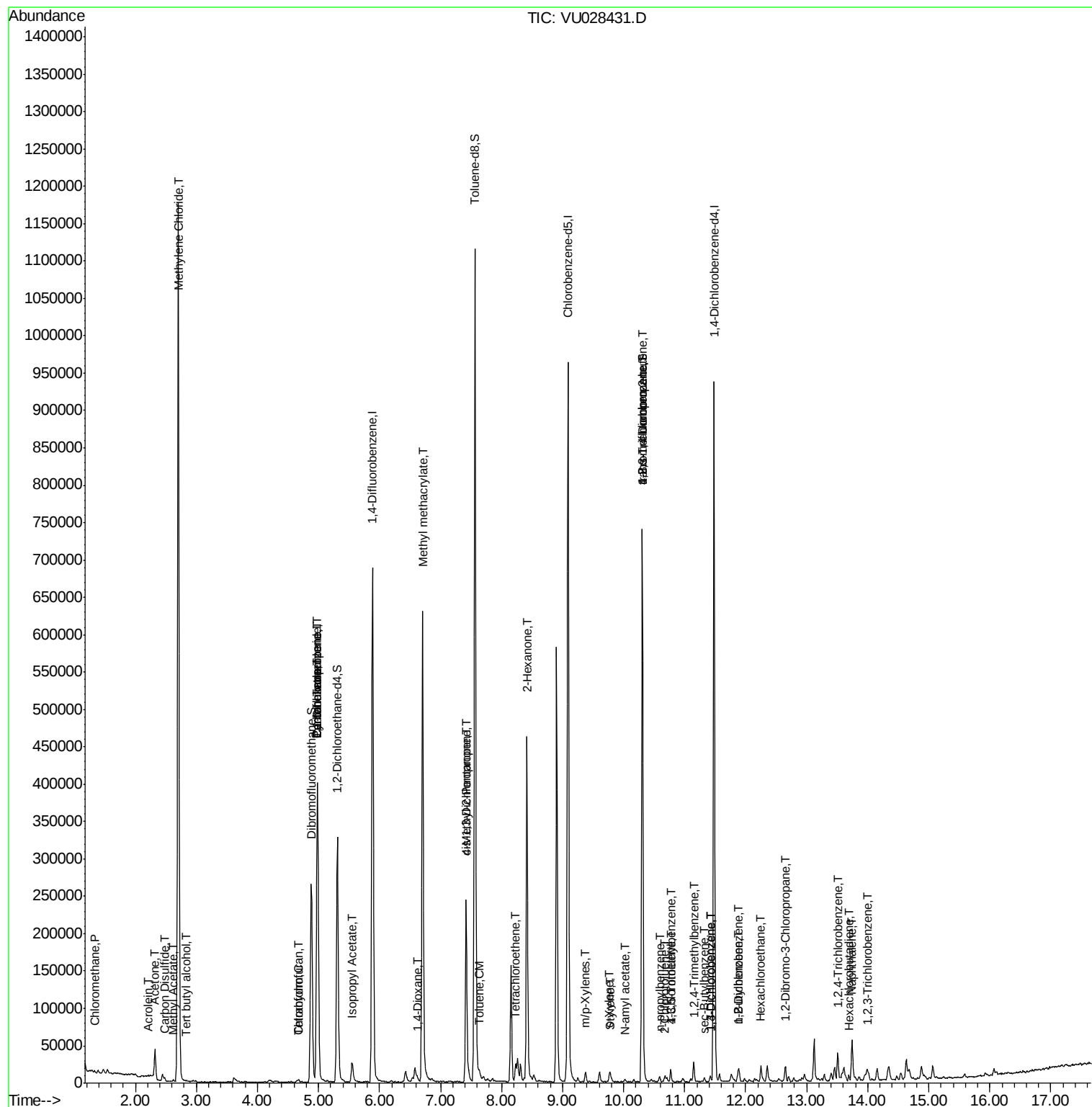
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	11.89	91	7159	0.500	ug/l	84
90) Hexachloroethane	12.25	117	880	0.389	ug/l #	12
91) 1,2-Dichlorobenzene	11.88	146	2170	0.293	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	12.65	75	321	0.203	ug/l #	30
93) 1,2,4-Trichlorobenzene	13.51	180	4411	0.909	ug/l #	92
94) Hexachlorobutadiene	13.69	225	1341	0.585	ug/l	81
95) Naphthalene	13.75	128	45849	5.147	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	4478	0.912	ug/l	92

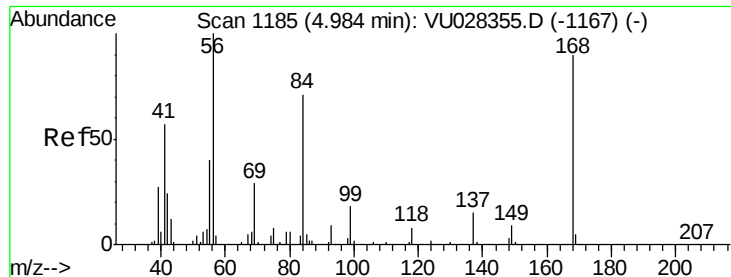
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

Instrument :

MSVOA_U

ClientSampleId :

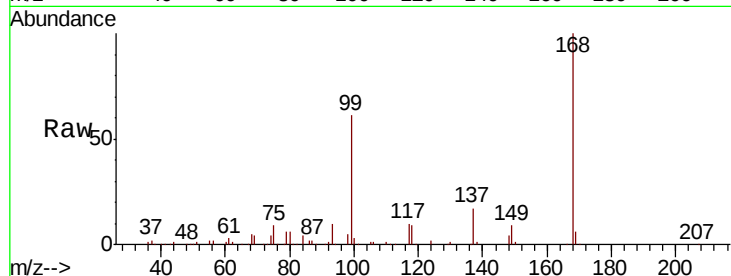
CB-1129-S-TCLP-GRID19

Tot Ion:168 Resp: 298664

Ion Ratio Lower Upper

168 100

99 60.9 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D

Ion 98.90 (98.60 to 99.60): VU028355.D

4.98

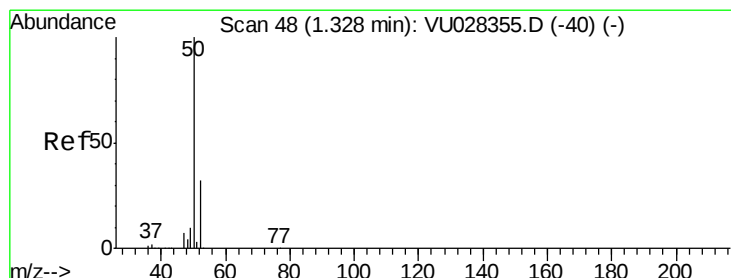
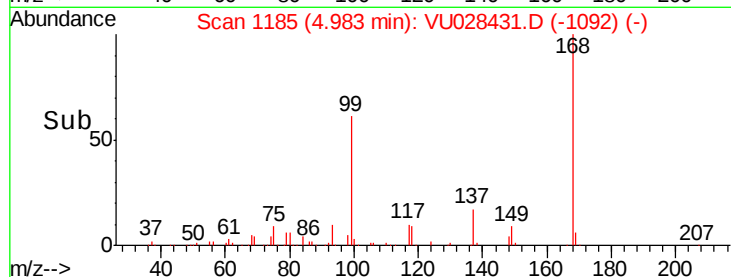
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.237 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028431.D

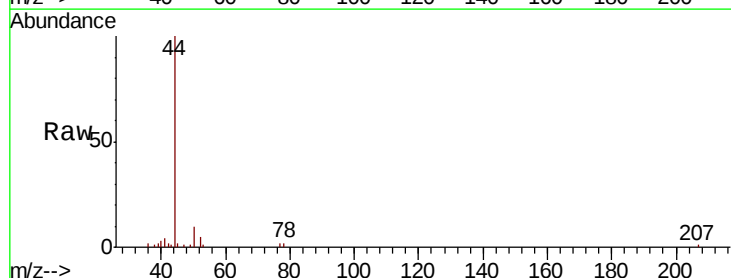
Acq: 03 Dec 2018 11:16

Tgt Ion: 50 Resp: 1837

Ion Ratio Lower Upper

50 100

52 45.4 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VU028355.D

Ion 51.90 (51.60 to 52.60): VU028355.D

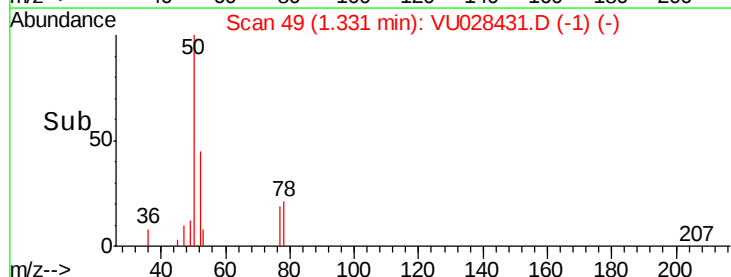
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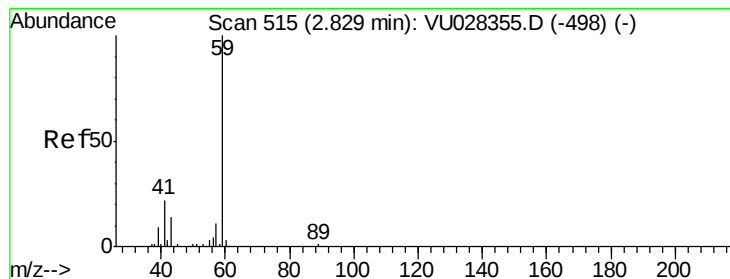
1000

500

0

Time-->





#11

Tert butyl alcohol

Concen: 0.357 ug/l

RT: 2.83 min Scan# 516

Delta R.T. 0.00 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

Instrument :

MSVOA_U

ClientSampleId :

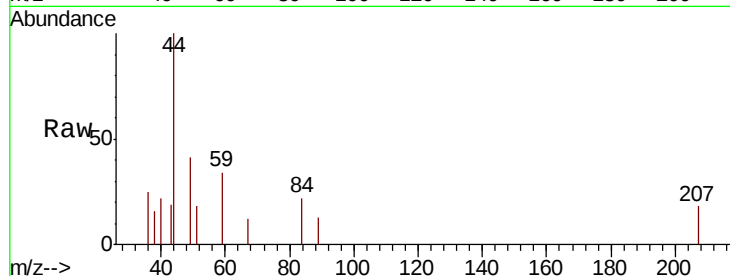
CB-1129-S-TCLP-GRID19

Tot Ion: 59 Resp: 405

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.83

300

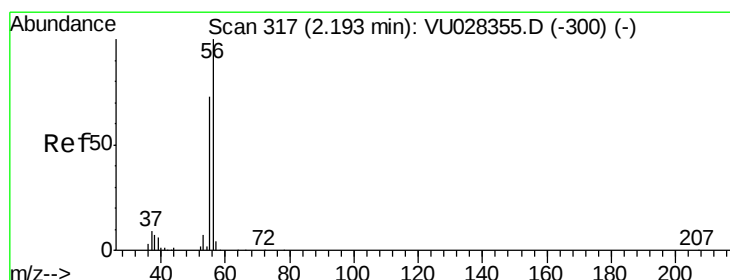
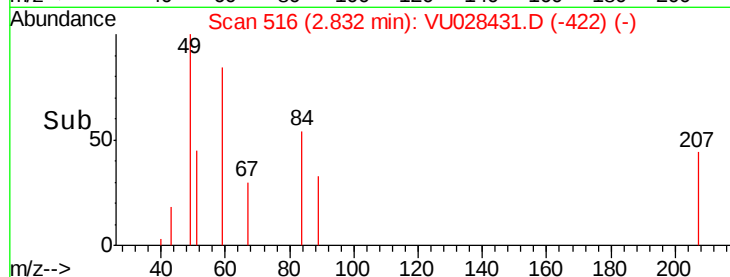
200

100

0

2.82 2.84 2.86

Time-->



#13

Acrolein

Concen: 0.386 ug/l

RT: 2.20 min Scan# 319

Delta R.T. 0.01 min

Lab File: VU028431.D

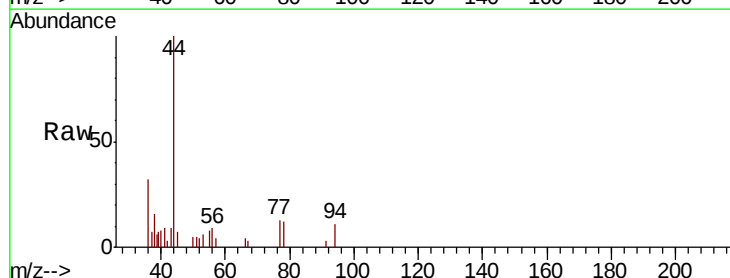
Acq: 03 Dec 2018 11:16

Tgt Ion: 56 Resp: 389

Ion Ratio Lower Upper

56 100

55 133.4 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.20

300

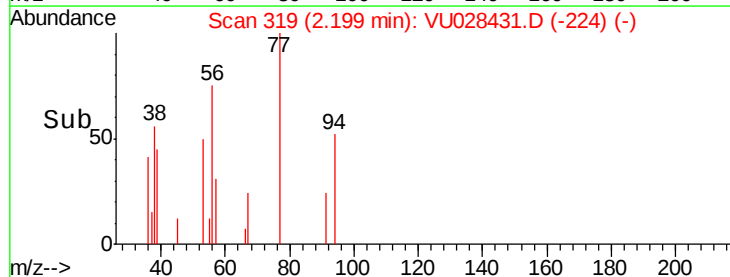
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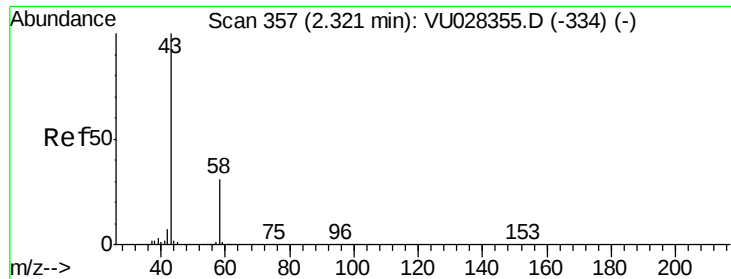
100

0

2.18 2.20 2.22

Time-->





#16

Acetone

Concen: 13.572 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

Instrument :

MSVOA_U

ClientSampleId :

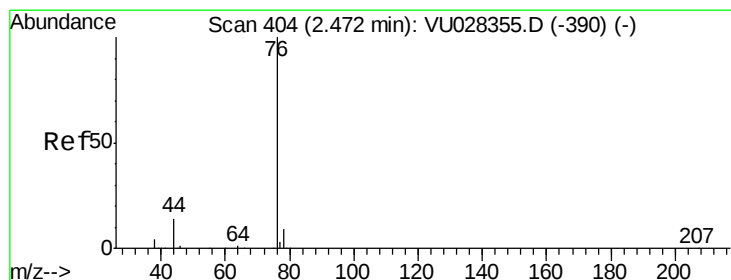
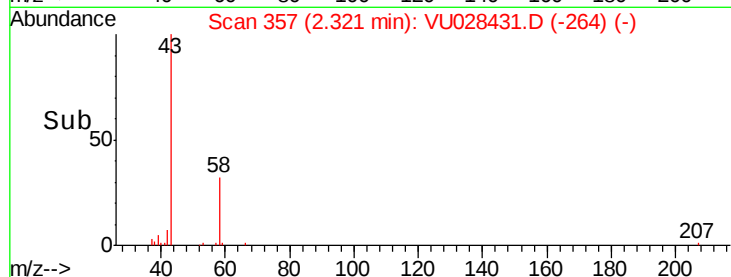
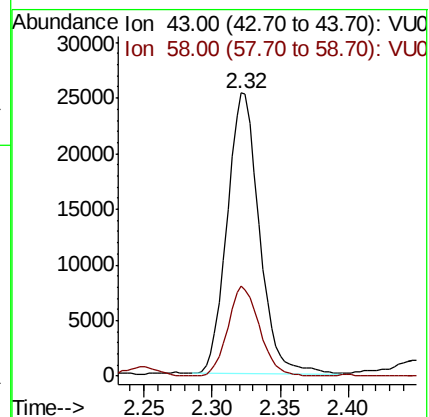
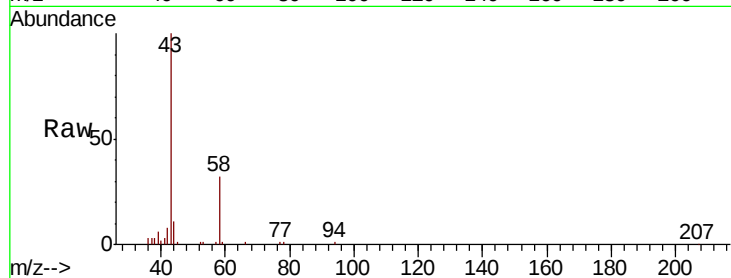
CB-1129-S-TCLP-GRID19

Tot Ion: 43 Resp: 41442

Ion Ratio Lower Upper

43 100

58 32.0 24.4 36.6



#17

Carbon Disulfide

Concen: 0.339 ug/l

RT: 2.48 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU028431.D

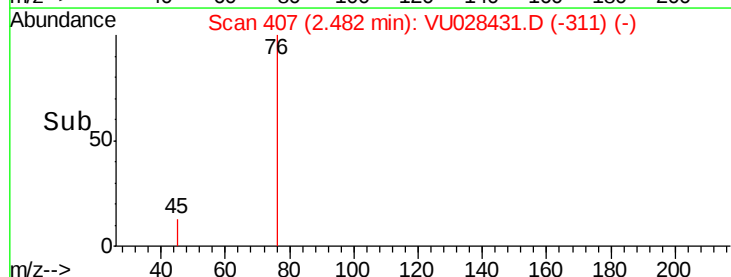
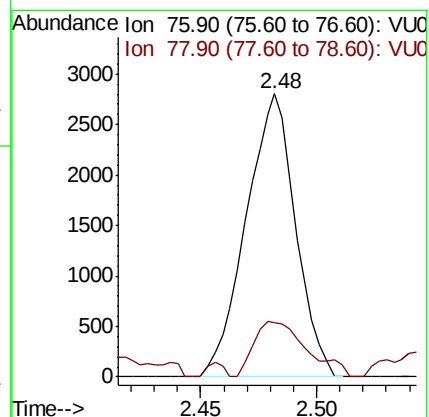
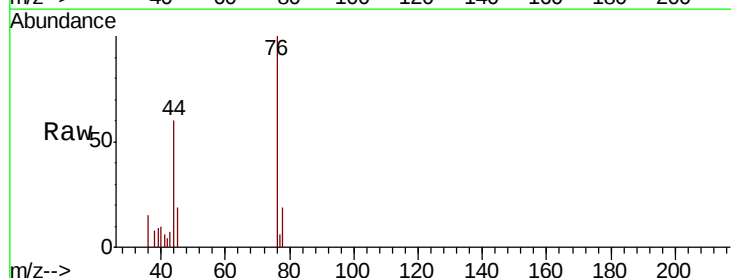
Acq: 03 Dec 2018 11:16

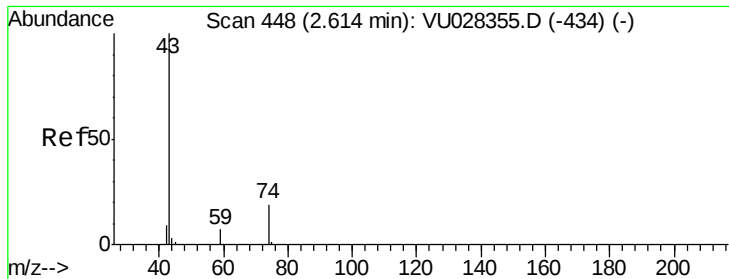
Tgt Ion: 76 Resp: 4153

Ion Ratio Lower Upper

76 100

78 19.3 7.4 11.2#

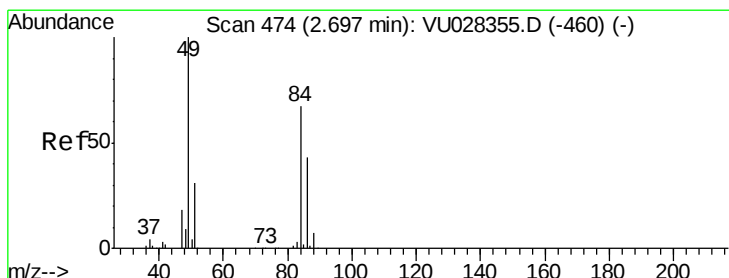
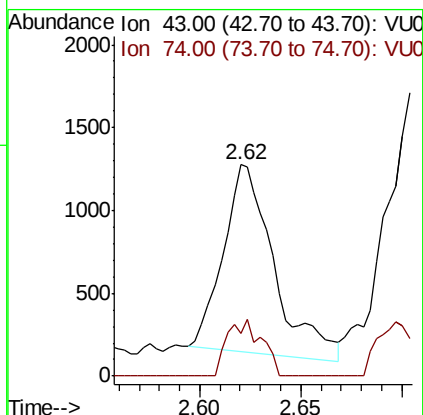
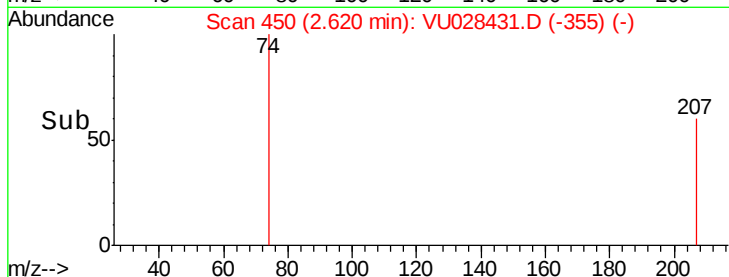
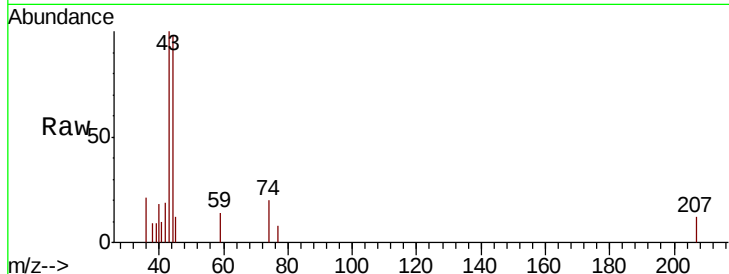




#18
Methvl Acetate
Concen: 0.234 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU028431.D
Acq: 03 Dec 2018 11:16

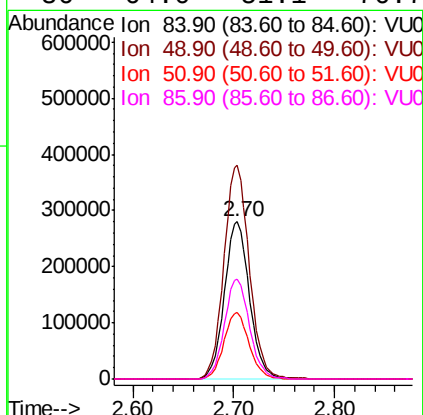
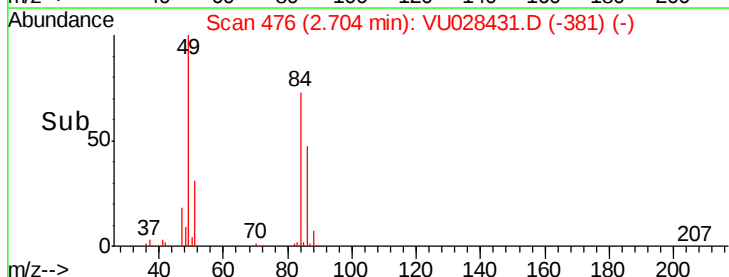
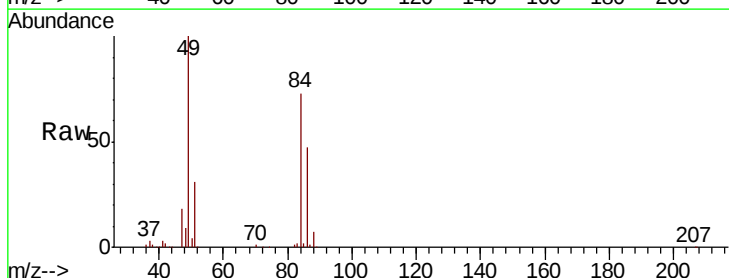
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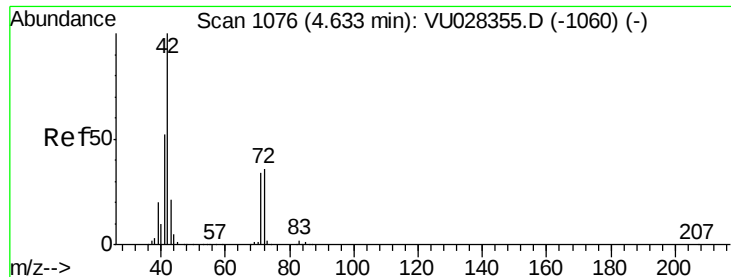
Tot Ion: 43 Resp: 1990
Ion Ratio Lower Upper
43 100
74 20.6 15.3 22.9



#20
Methylene Chloride
Concen: 113.267 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU028431.D
Acq: 03 Dec 2018 11:16

Tgt Ion: 84 Resp: 487400
Ion Ratio Lower Upper
84 100
49 136.1 120.0 180.0
51 42.1 36.9 55.3
86 64.0 51.1 76.7





#29

Tetrahydrofuran

Concen: 0.629 ug/l

RT: 4.66 min Scan# 1085

Delta R.T. 0.03 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

Instrument :

MSVOA_U

ClientSampleId :

CB-1129-S-TCLP-GRID19

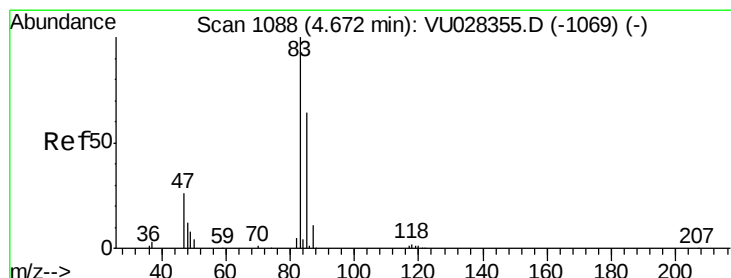
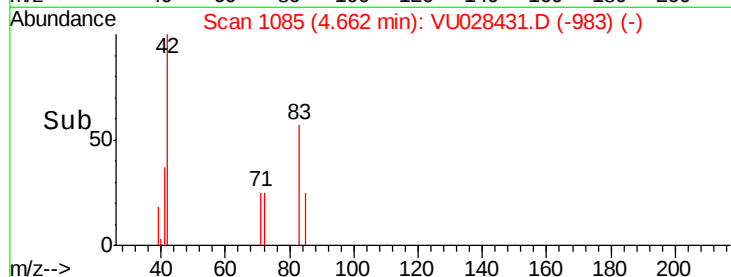
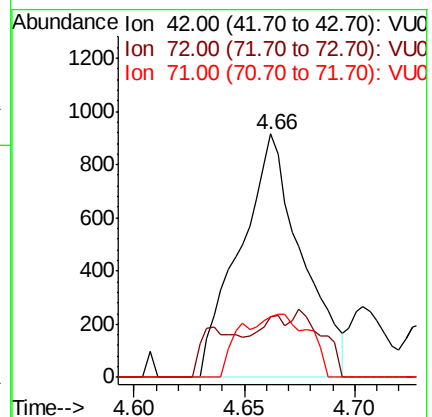
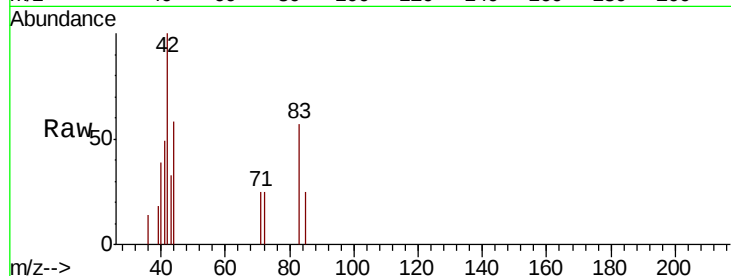
Tot Ion: 42 Resp: 1786

Ion Ratio Lower Upper

42 100

72 3.4 29.5 44.3#

71 28.3 27.7 41.5



#30

Chloroform

Concen: 0.225 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028431.D

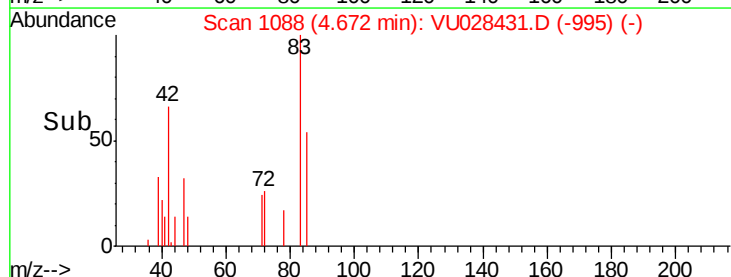
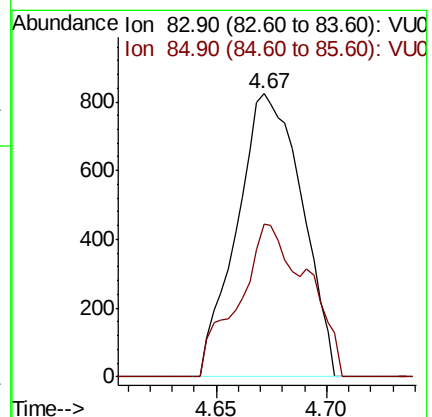
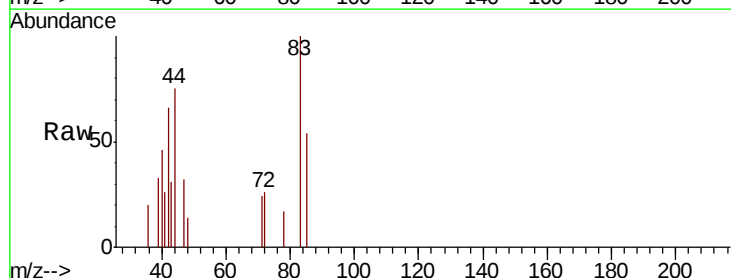
Acq: 03 Dec 2018 11:16

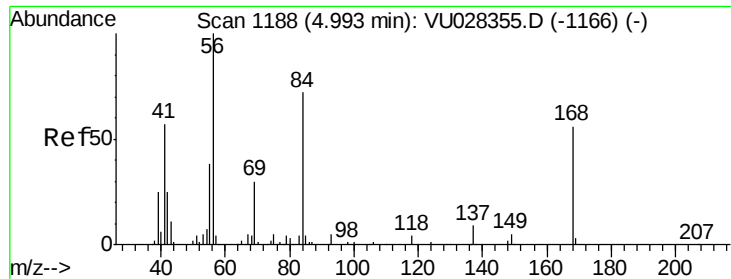
Tgt Ion: 83 Resp: 1682

Ion Ratio Lower Upper

83 100

85 53.9 51.2 76.8

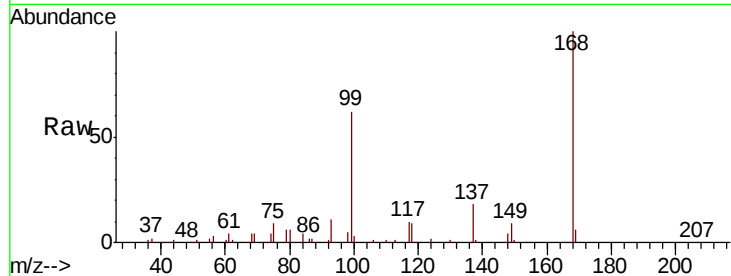




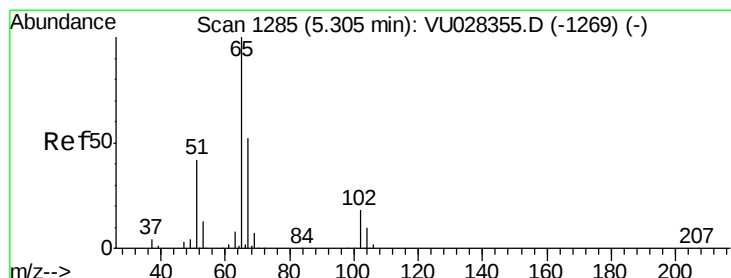
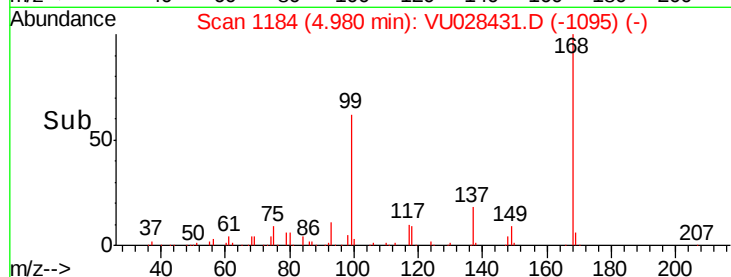
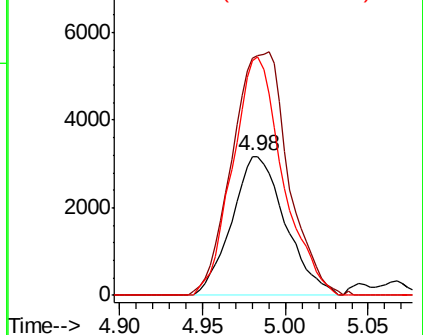
#31
Cyclohexane
Concen: 0.477 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VU028431.D
Acq: 03 Dec 2018 11:16

Instrument :
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ClientSampleId :
CB-1129-S-TCLP-GRID19

Tot Ion: 56 Resp: 7135
Ion Ratio Lower Upper
56 100
69 171.1 23.7 35.5#
84 169.2 57.3 85.9#

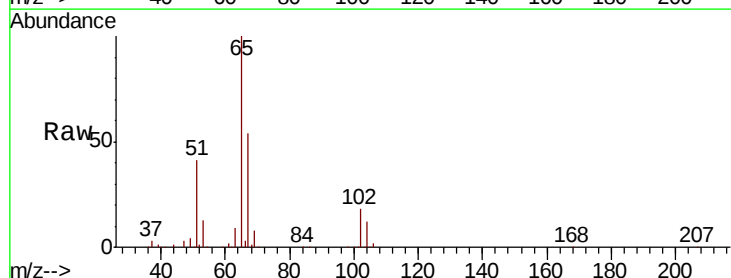


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

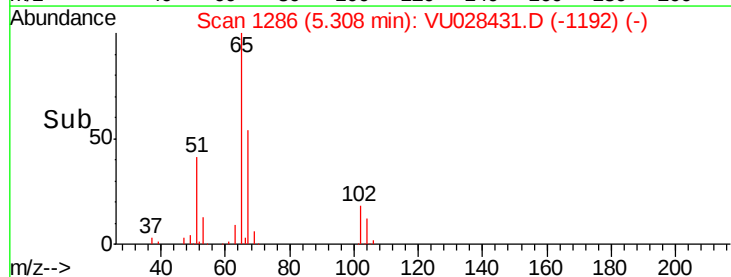
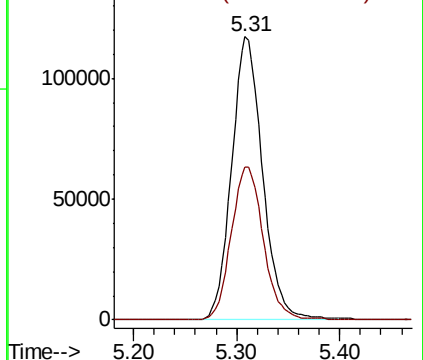


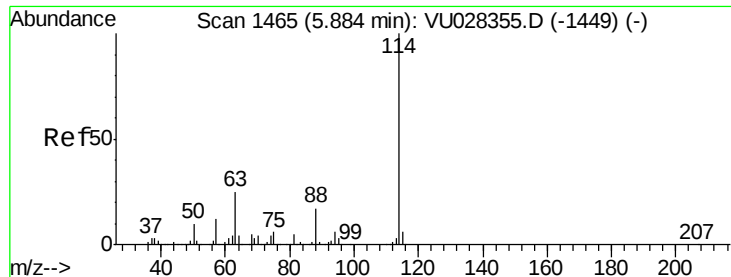
#33
1,2-Dichloroethane-d4
Concen: 49.141 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU028431.D
Acq: 03 Dec 2018 11:16

Tgt Ion: 65 Resp: 245284
Ion Ratio Lower Upper
65 100
67 56.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

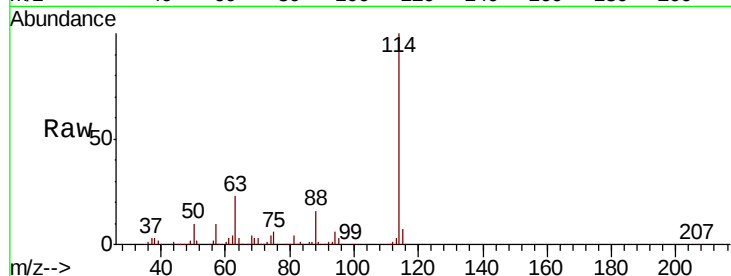




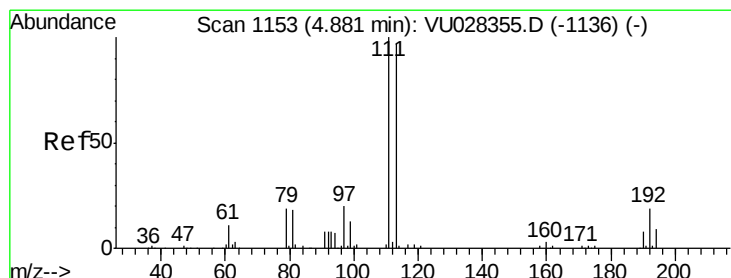
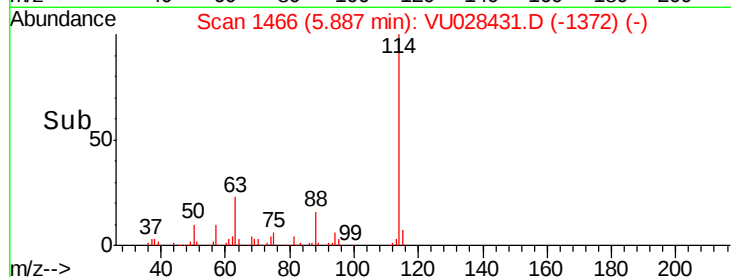
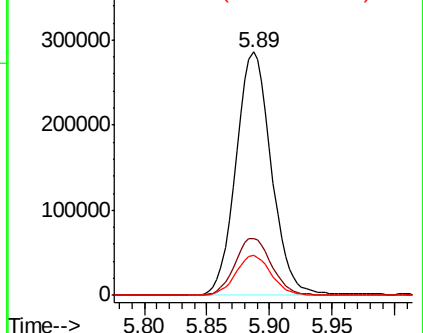
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028431.D
 Acq: 03 Dec 2018 11:16

Instrument :
 MSVOA_U
 ClientSampleId :
 CB-1129-S-TCLP-GRID19

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	50.0
88	16.3	0.0	34.4

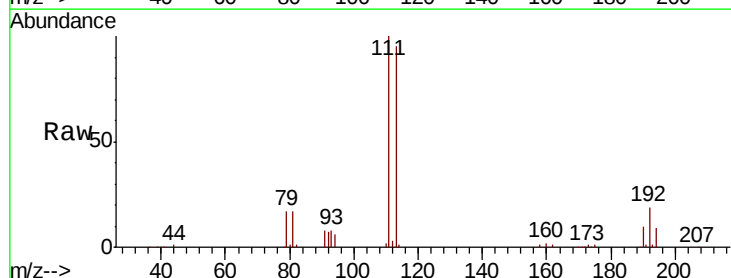


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

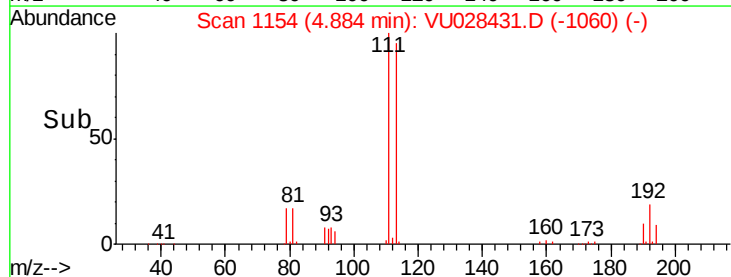
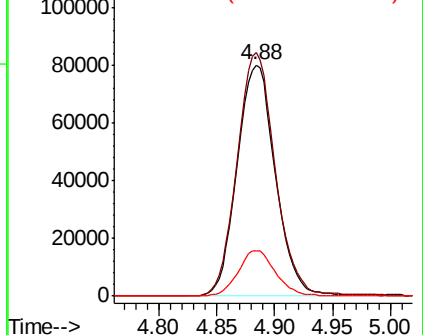


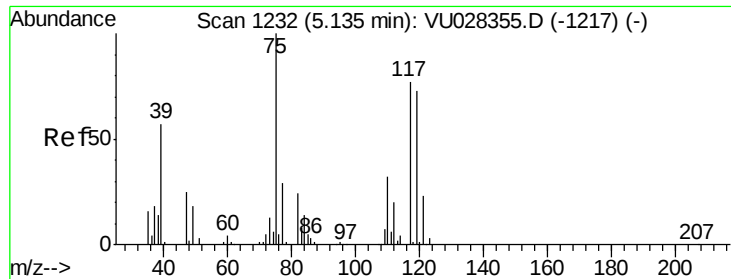
#35
 Dibromofluoromethane
 Concen: 49.300 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028431.D
 Acq: 03 Dec 2018 11:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.9	124.3
192	19.3	15.4	23.0



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

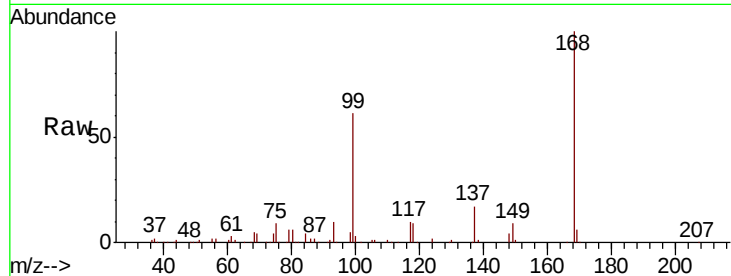




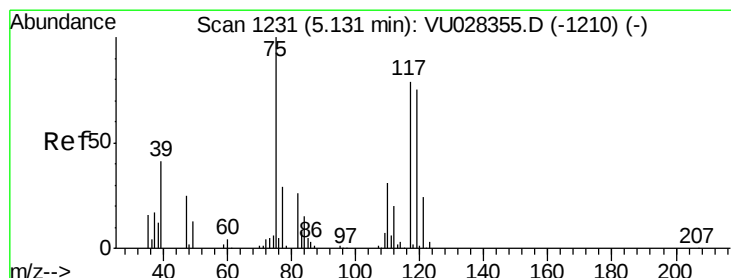
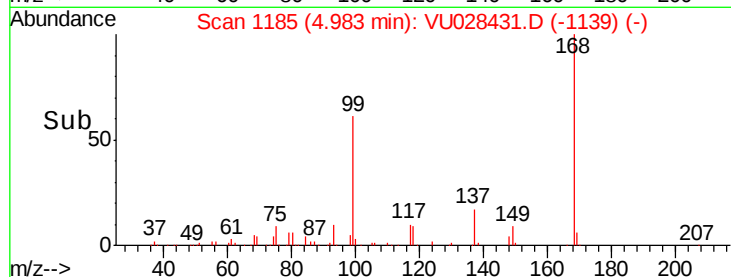
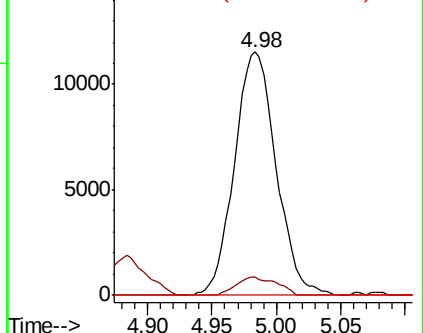
#36
 1,1-Dichloropropene
 Concen: 4.223 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028431.D
 Acq: 03 Dec 2018 11:16

Instrument :
 MSVOA_U
 ClientSampleId :
 CB-1129-S-TCLP-GRID19

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.2	15.8	47.4#
77	0.0	24.6	36.8#

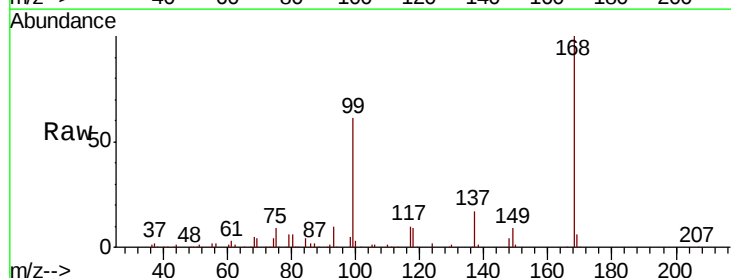


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

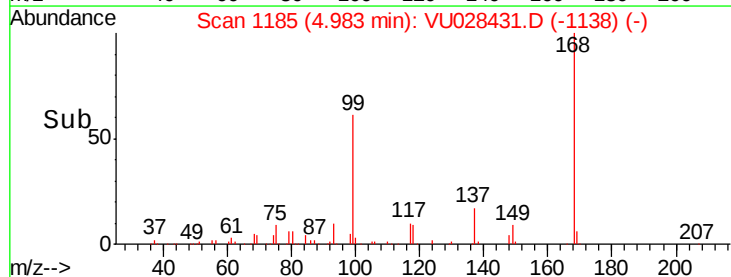
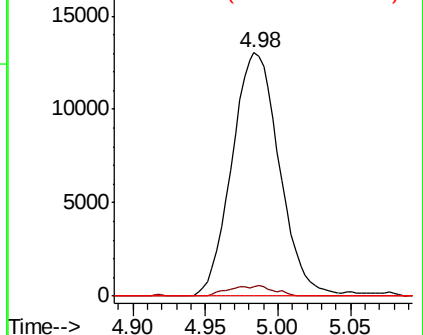


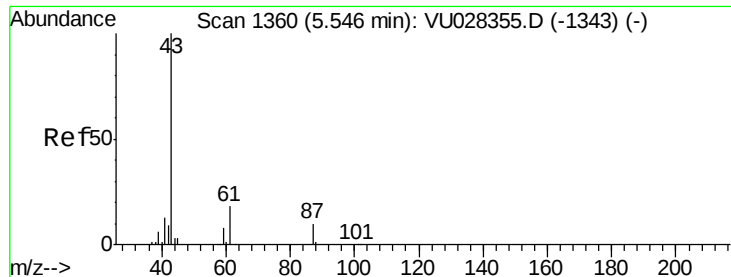
#38
 Carbon Tetrachloride
 Concen: 5.853 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028431.D
 Acq: 03 Dec 2018 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	76.3	114.5#
121	0.0	24.7	37.1#



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





#43

Isopropyl Acetate

Concen: 2.587 ug/l

RT: 5.56 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

Instrument :

MSVOA_U

ClientSampleId :

CB-1129-S-TCLP-GRID19

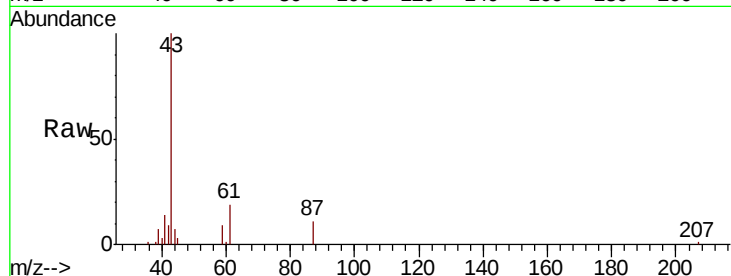
Tot Ion: 43 Resp: 34324

Ion Ratio Lower Upper

43 100

61 19.1 14.5 21.7

87 10.1 8.4 12.6

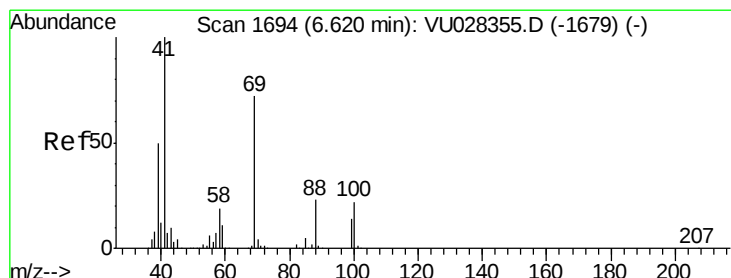
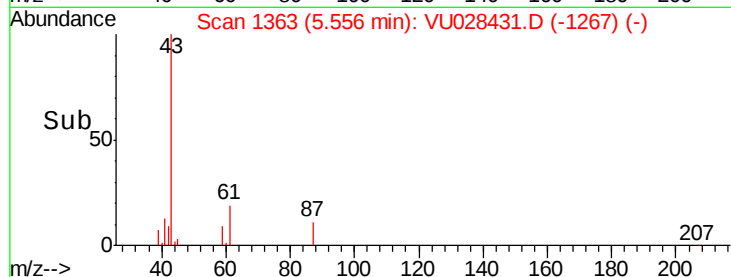
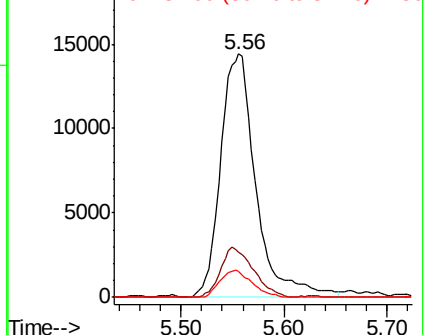


Abundance

Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#48

Methyl methacrylate

Concen: 7.938 ug/l

RT: 6.70 min Scan# 1720

Delta R.T. 0.08 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

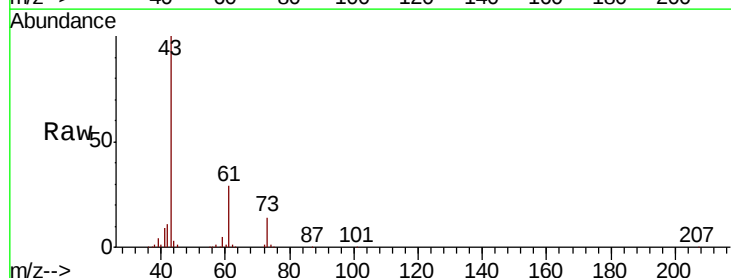
Tgt Ion: 41 Resp: 54863

Ion Ratio Lower Upper

41 100

69 0.0 59.0 88.4#

39 50.8 40.5 60.7

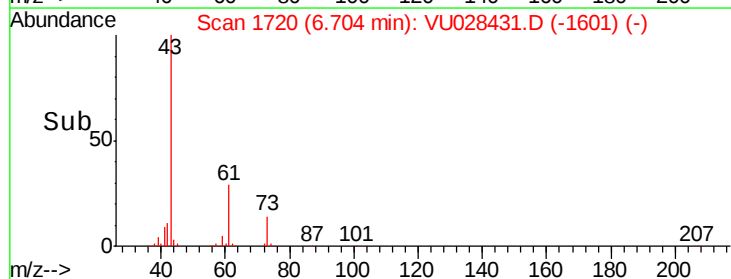
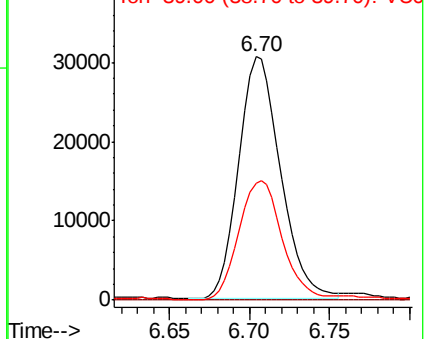


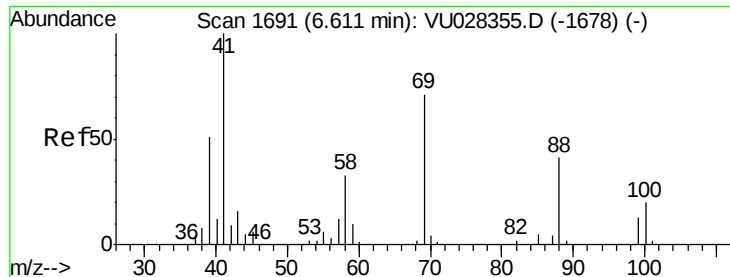
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#49

1,4-Dioxane

Concen: 0.915 ug/l

RT: 6.63 min Scan# 1696

Delta R.T. 0.02 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

Instrument :

MSVOA_U

ClientSampleId :

CB-1129-S-TCLP-GRID19

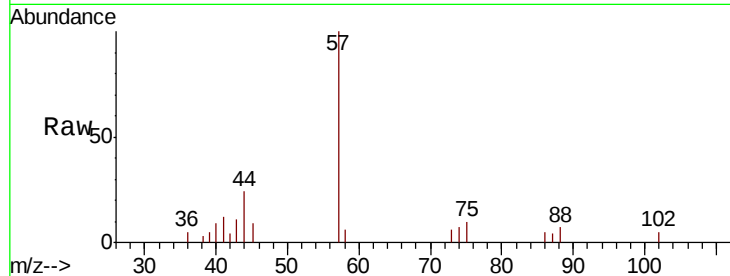
Tot Ion: 88 Resp: 101

Ion Ratio Lower Upper

88 100

43 0.0 32.6 48.8#

58 200.0 68.7 103.1#



Abundance Ion 88.00 (87.70 to 88.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

600

500

400

300

200

100

0

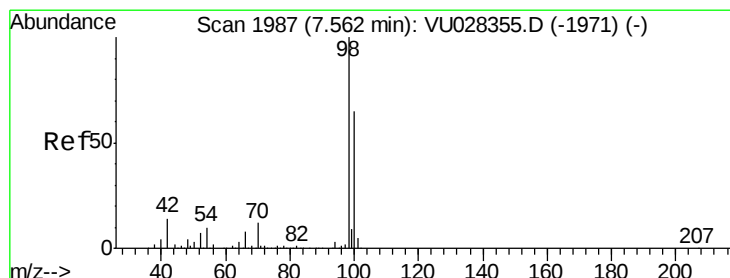
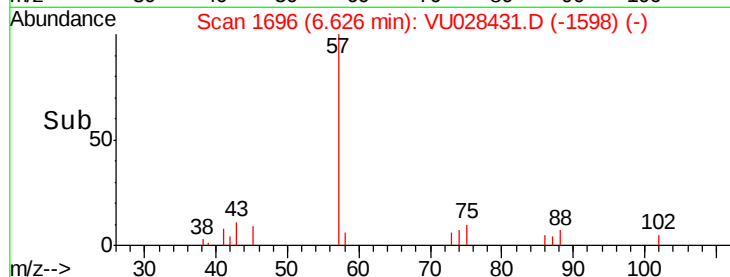
6.61

6.62

6.63

6.64

Time-->



#50

Toluene-d8

Concen: 48.511 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028431.D

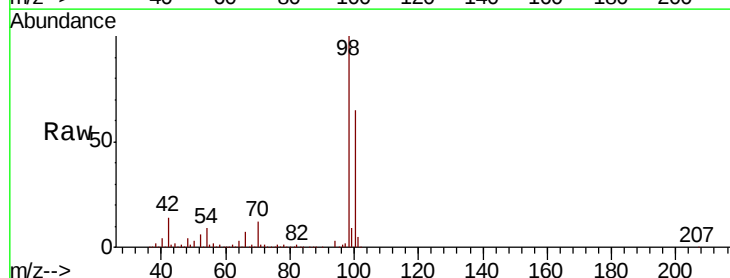
Acq: 03 Dec 2018 11:16

Tgt Ion: 98 Resp: 724377

Ion Ratio Lower Upper

98 100

100 64.2 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

400000

300000

200000

100000

0

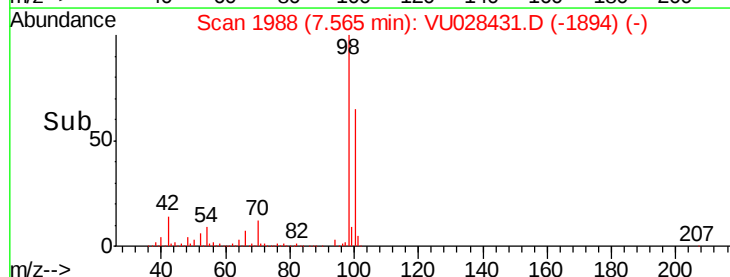
7.50

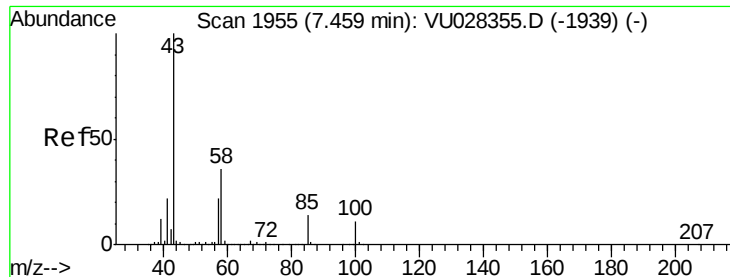
7.55

7.60

7.65

Time-->





#51

4-Methyl-2-Pentanone

Concen: 12.129 ug/l

RT: 7.42 min Scan# 1943

Delta R.T. -0.04 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

Instrument :

MSVOA_U

ClientSampleId :

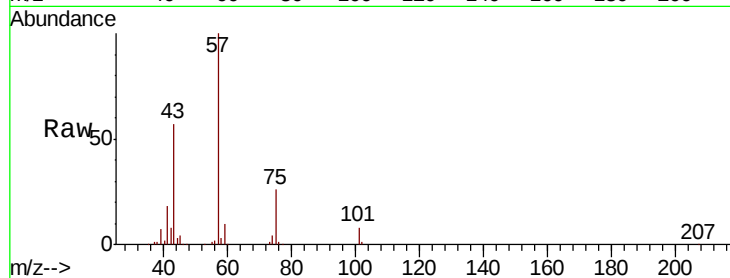
CB-1129-S-TCLP-GRID19

Tot Ion: 43 Resp: 102793

Ion Ratio Lower Upper

43 100

58 5.6 28.8 43.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

60000

50000

40000

30000

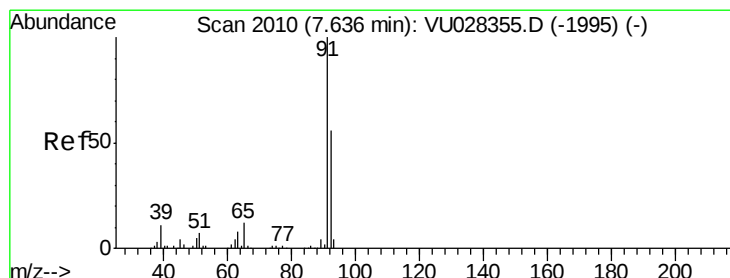
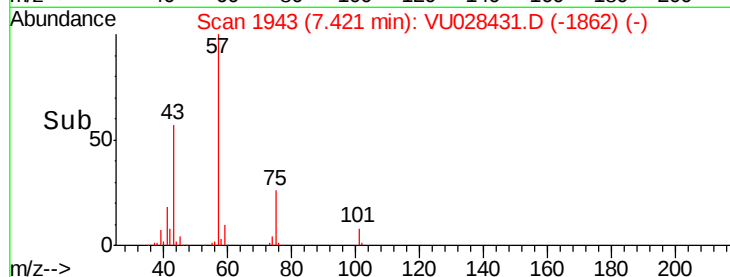
20000

10000

0

7.30 7.40 7.50

Time-->



#52

Toluene

Concen: 0.215 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028431.D

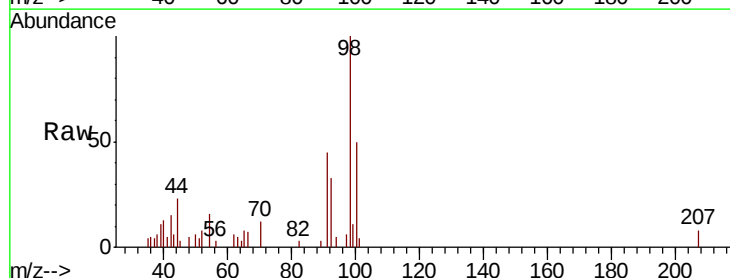
Acq: 03 Dec 2018 11:16

Tgt Ion: 92 Resp: 2250

Ion Ratio Lower Upper

92 100

91 154.3 141.8 212.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

2000

1500

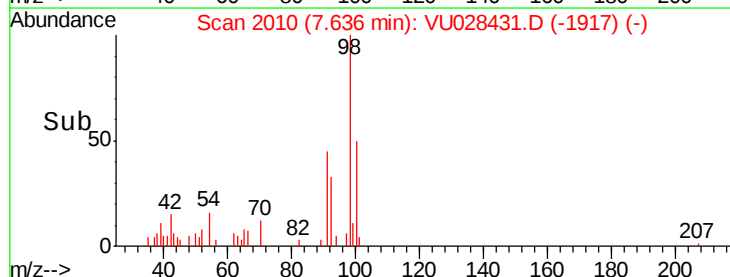
1000

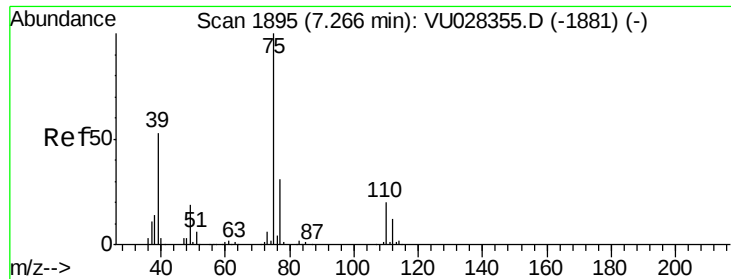
500

0

7.60 7.65

Time-->





#54

cis-1,3-Dichloropropene

Concen: 5.481 ug/l

RT: 7.42 min Scan# 1942

Delta R.T. 0.15 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

Instrument :

MSVOA_U

ClientSampleId :

CB-1129-S-TCLP-GRID19

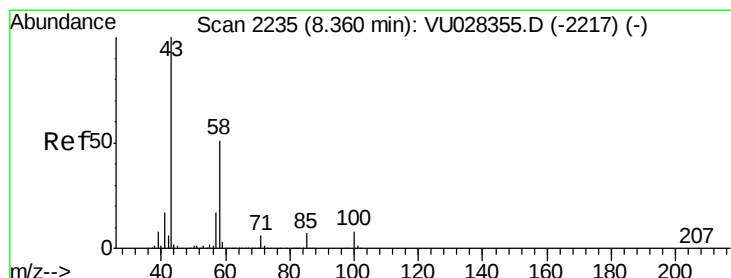
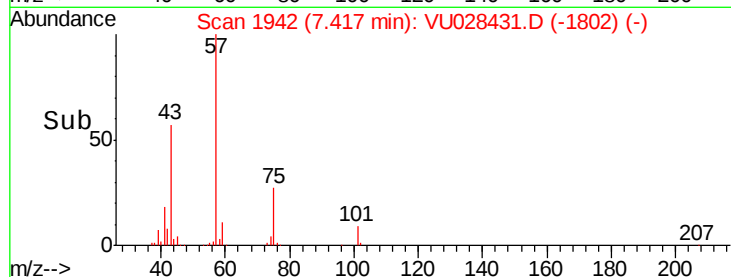
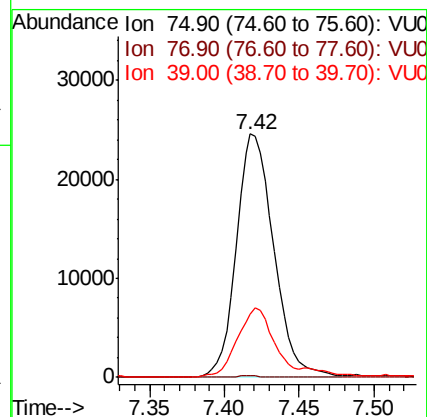
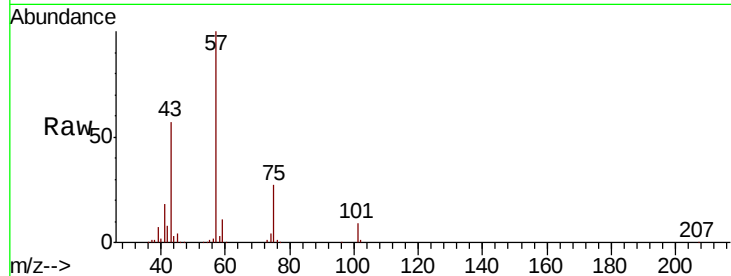
Tot Ion: 75 Resp: 42749

Ion Ratio Lower Upper

75 100

77 0.6 24.9 37.3#

39 26.1 42.6 64.0#



#59

2-Hexanone

Concen: 10.149 ug/l

RT: 8.41 min Scan# 2252

Delta R.T. 0.05 min

Lab File: VU028431.D

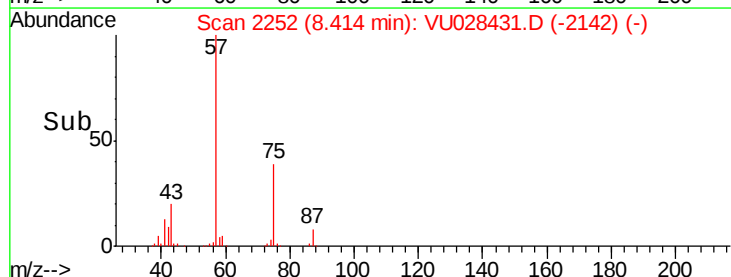
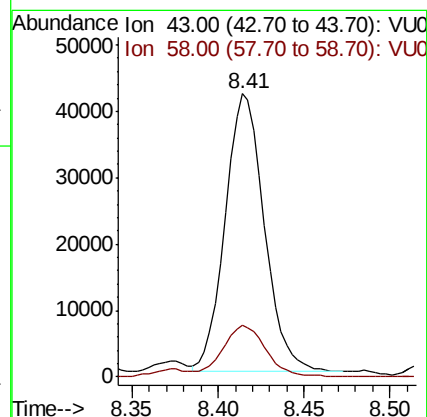
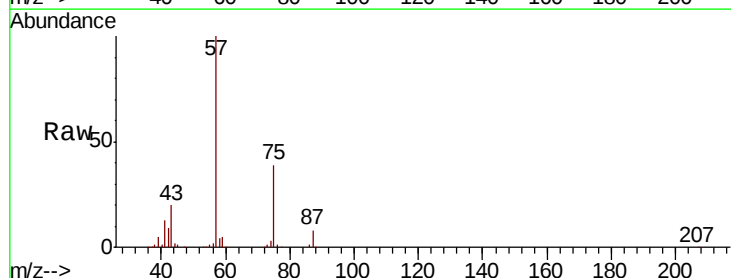
Acq: 03 Dec 2018 11:16

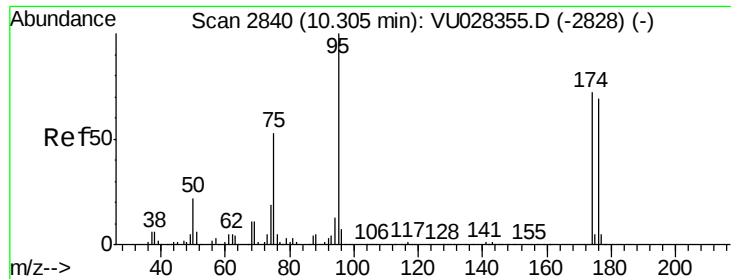
Tgt Ion: 43 Resp: 66624

Ion Ratio Lower Upper

43 100

58 19.8 25.5 76.5#





#62

4-Bromofluorobenzene

Concen: 46.771 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

Instrument :

MSVOA_U

ClientSampleId :

CB-1129-S-TCLP-GRID19

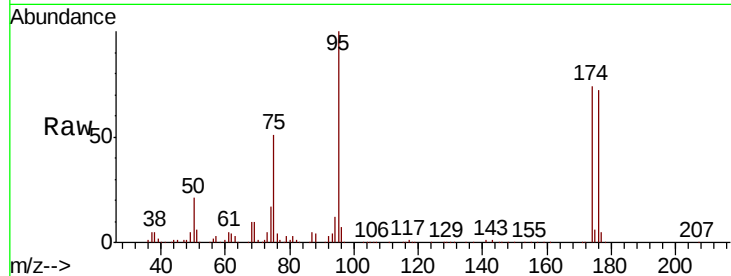
Tot Ion: 95 Resp: 251723

Ion Ratio Lower Upper

95 100

174 73.6 0.0 145.4

176 71.2 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31

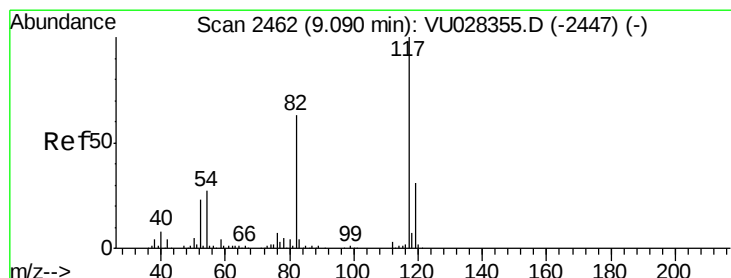
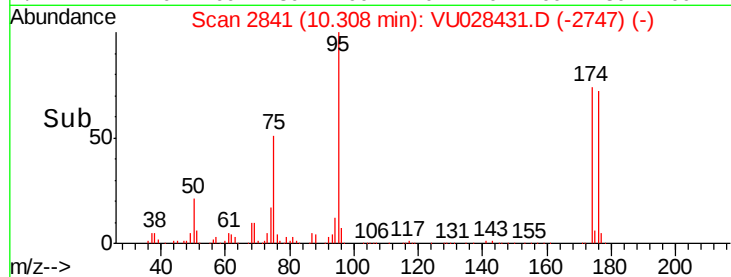
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

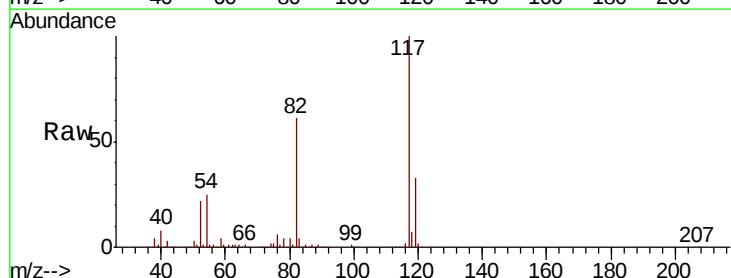
Tgt Ion: 117 Resp: 511822

Ion Ratio Lower Upper

117 100

82 60.5 50.3 75.5

119 32.7 24.8 37.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V

9.09

400000

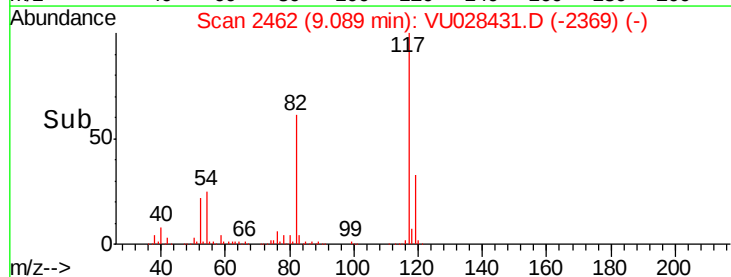
300000

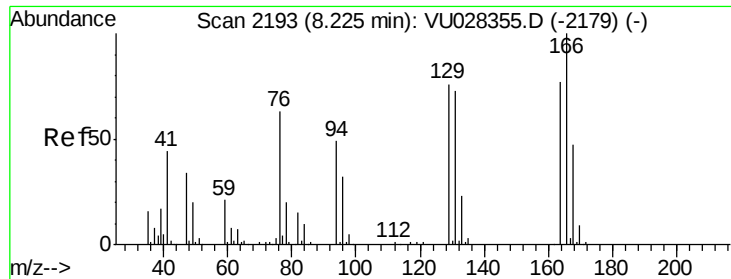
200000

100000

0

Time--> 9.00 9.10 9.20 9.30





#64

Tetrachloroethene

Concen: 0.243 ug/l

RT: 8.23 min Scan# 2195

Delta R.T. 0.01 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

Instrument :

MSVOA_U

ClientSampleId :

CB-1129-S-TCLP-GRID19

Tot Ion:164 Resp: 817

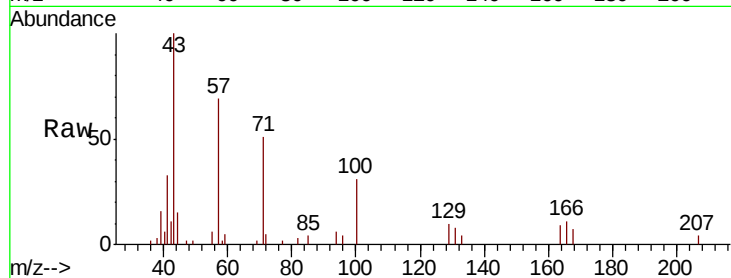
Ion Ratio Lower Upper

164 100

166 125.2 104.0 156.0

129 114.8 79.2 118.8

131 89.7 75.7 113.5

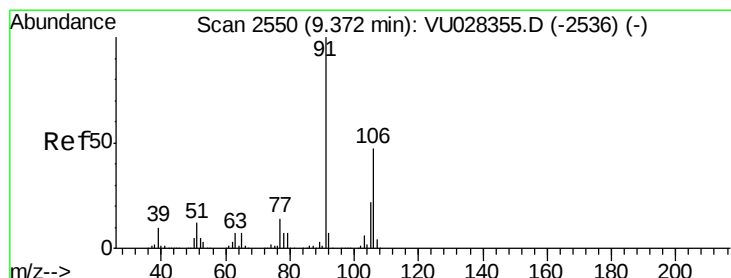
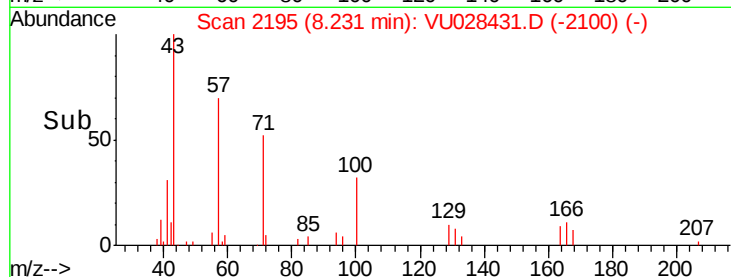
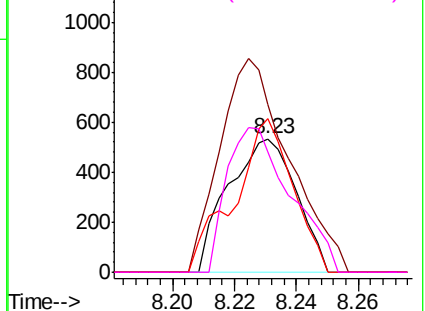


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#68

m/p-Xylenes

Concen: 0.516 ug/l

RT: 9.38 min Scan# 2552

Delta R.T. 0.01 min

Lab File: VU028431.D

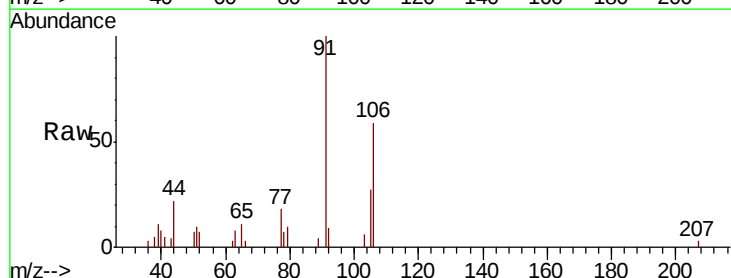
Acq: 03 Dec 2018 11:16

Tgt Ion:106 Resp: 3720

Ion Ratio Lower Upper

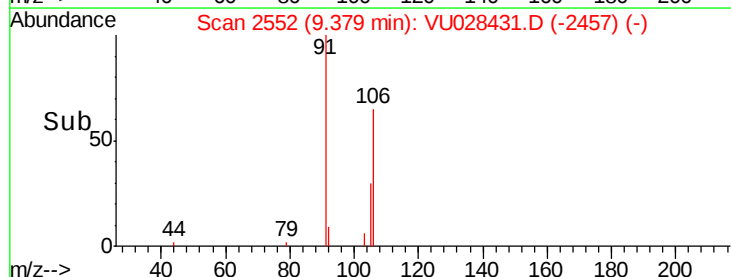
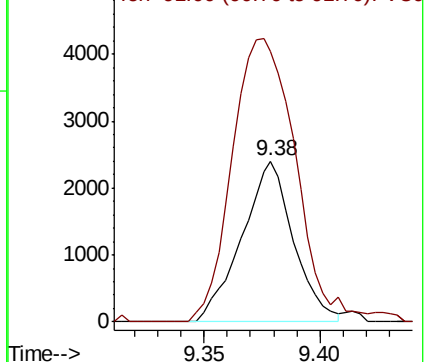
106 100

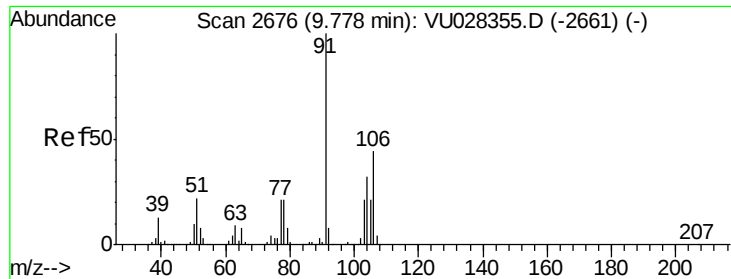
91 216.1 171.0 256.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

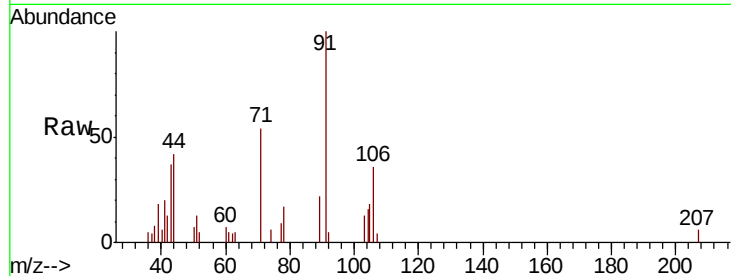




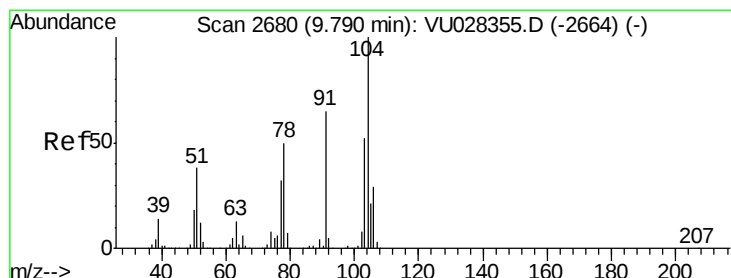
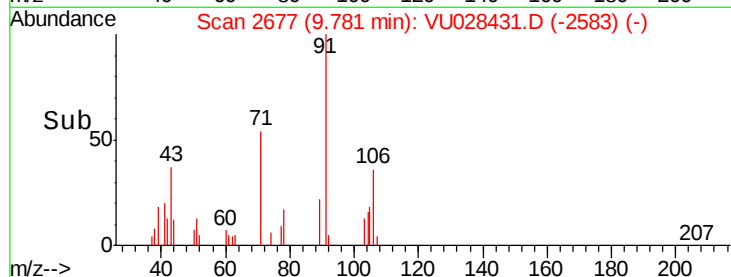
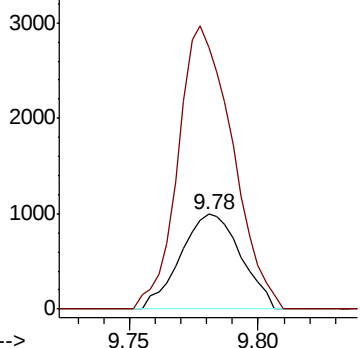
#69
o-Xylene
Concen: 0.227 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028431.D
Acq: 03 Dec 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :
CB-1129-S-TCLP-GRID19

Tot Ion:106 Resp: 1623
Ion Ratio Lower Upper
106 100
91 269.9 112.7 338.0

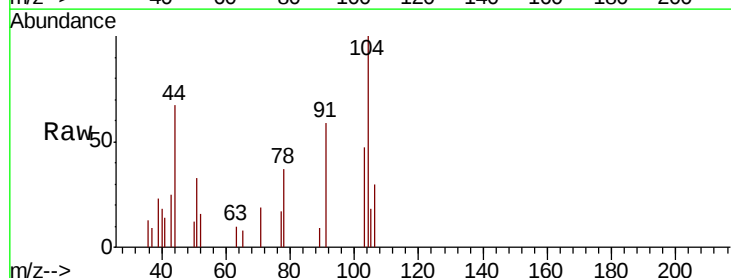


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

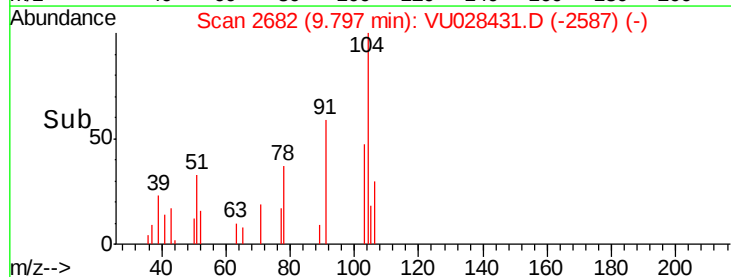
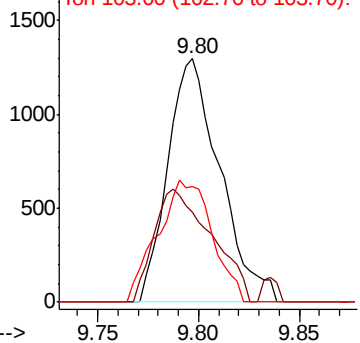


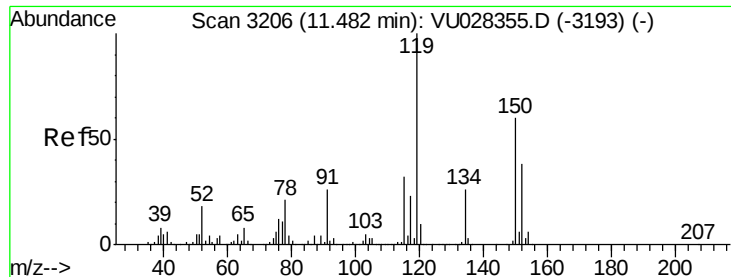
#70
Styrene
Concen: 0.203 ug/l
RT: 9.80 min Scan# 2682
Delta R.T. 0.01 min
Lab File: VU028431.D
Acq: 03 Dec 2018 11:16

Tgt Ion:104 Resp: 2343
Ion Ratio Lower Upper
104 100
78 51.0 43.3 64.9
103 52.0 44.8 67.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

Instrument :

MSVOA_U

ClientSampleId :

CB-1129-S-TCLP-GRID19

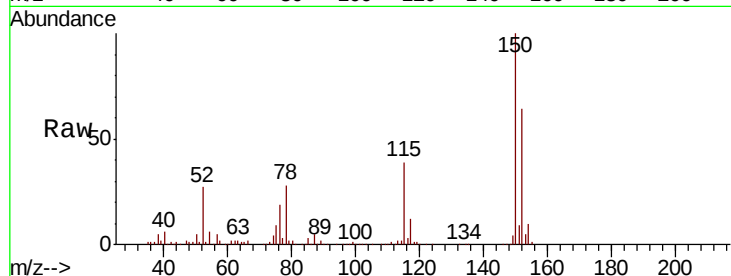
Tot Ion:152 Resp: 222284

Ion Ratio Lower Upper

152 100

115 61.5 45.0 134.8

150 158.4 0.0 349.2

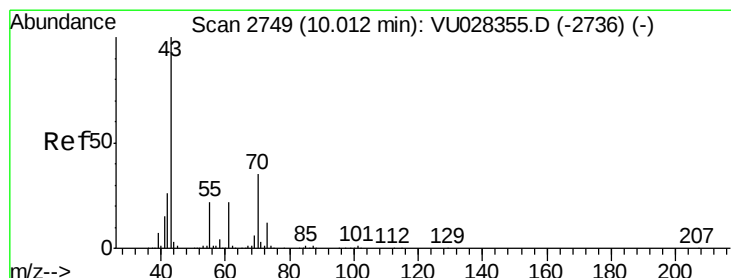
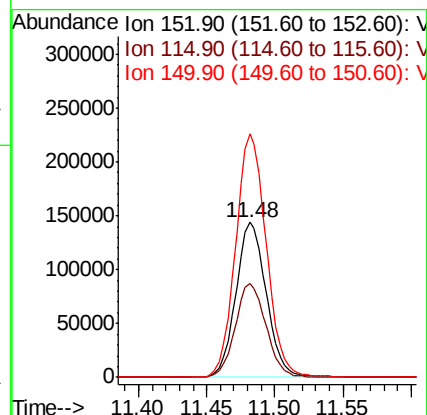
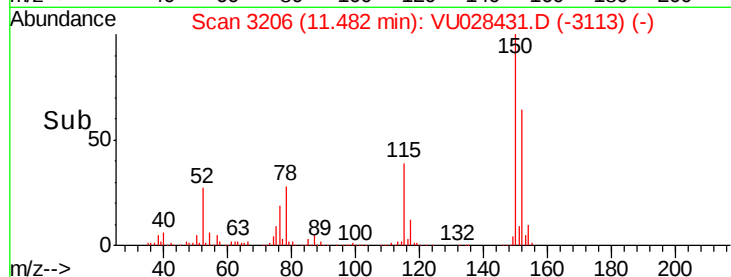


Abundance

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



#74

N-ethyl acetate

Concen: 0.273 ug/l

RT: 10.03 min Scan# 2753

Delta R.T. 0.01 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

Tgt Ion: 43 Resp: 2954

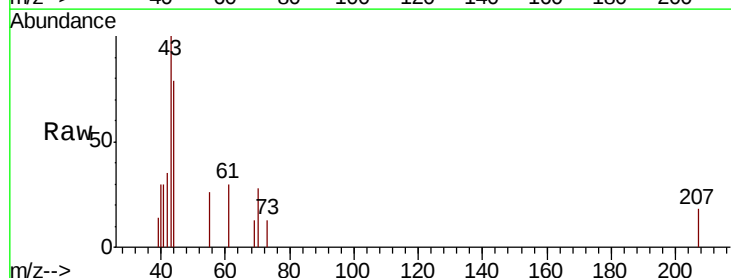
Ion Ratio Lower Upper

43 100

70 28.6 28.4 42.6

55 15.3 18.0 27.0#

61 20.1 17.6 26.4



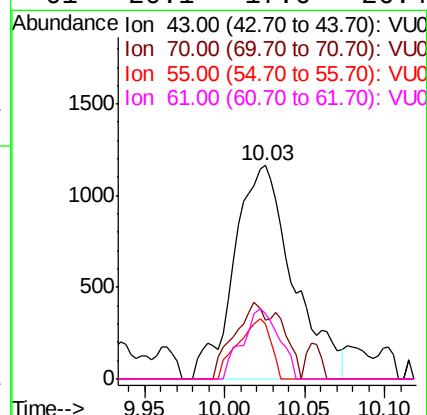
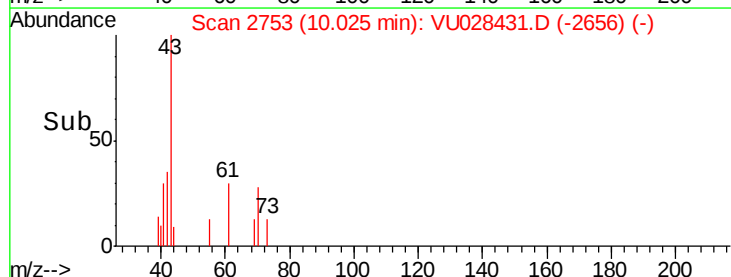
Abundance

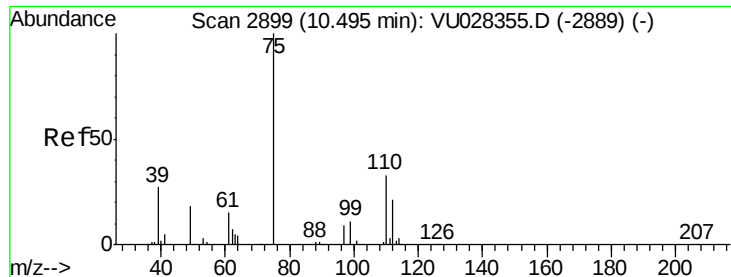
Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

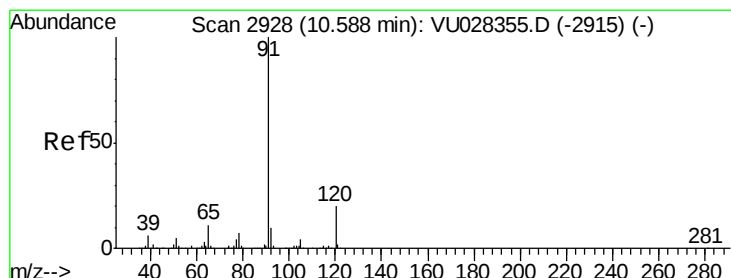
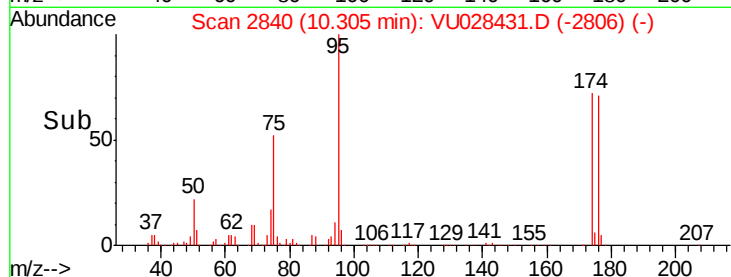
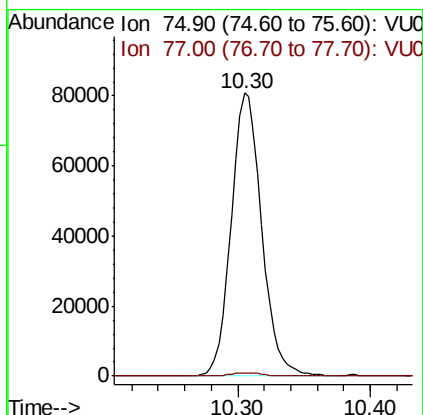
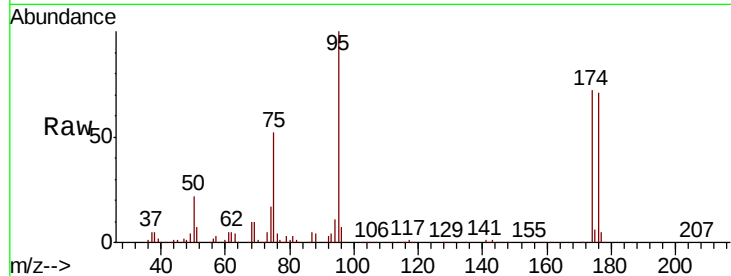




#76
1,2,3-Trichloropropane
Concen: 20.964 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.19 min
Lab File: VU028431.D
Acq: 03 Dec 2018 11:16

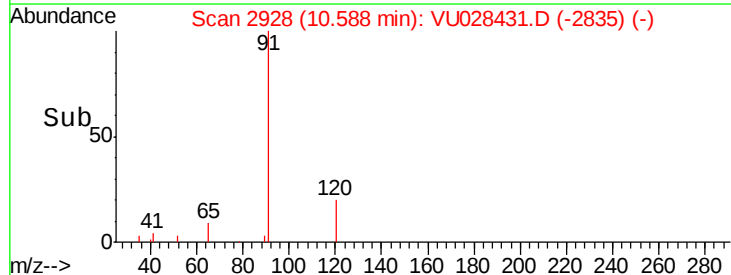
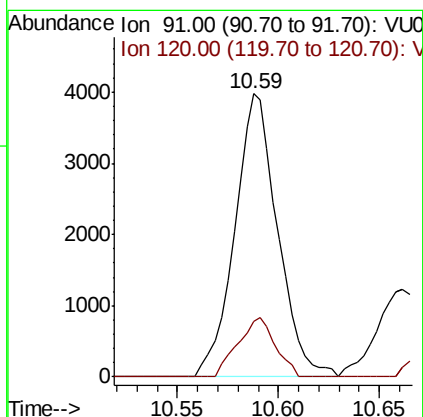
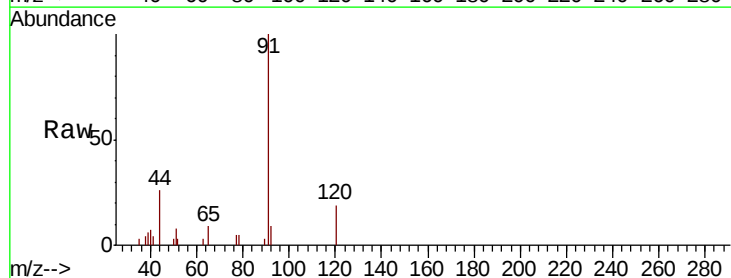
Instrument :
MSVOA_U
ClientSampleId :
CB-1129-S-TCLP-GRID19

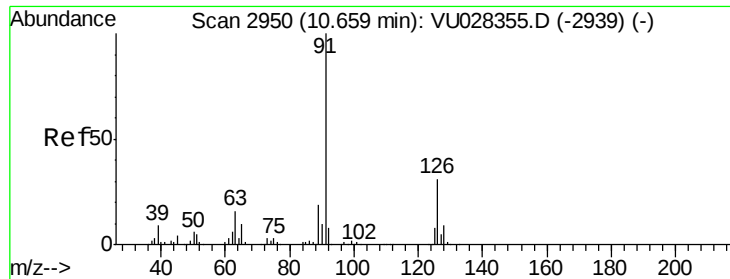
Tot Ion: 75 Resp: 129227
Ion Ratio Lower Upper
75 100
77 1.2 22.4 67.0#



#78
n-propylbenzene
Concen: 0.277 ug/l
RT: 10.59 min Scan# 2928
Delta R.T. -0.00 min
Lab File: VU028431.D
Acq: 03 Dec 2018 11:16

Tgt Ion: 91 Resp: 5903
Ion Ratio Lower Upper
91 100
120 18.3 10.3 30.8

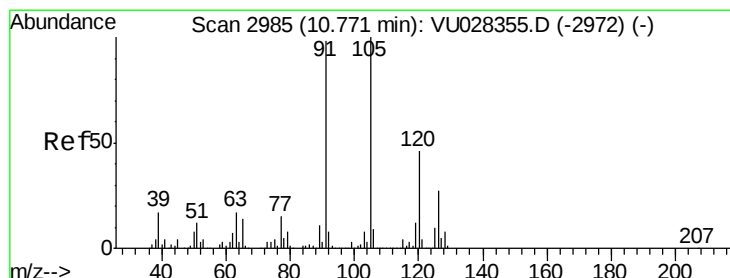
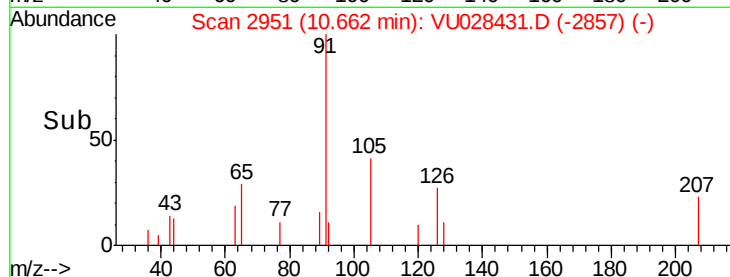
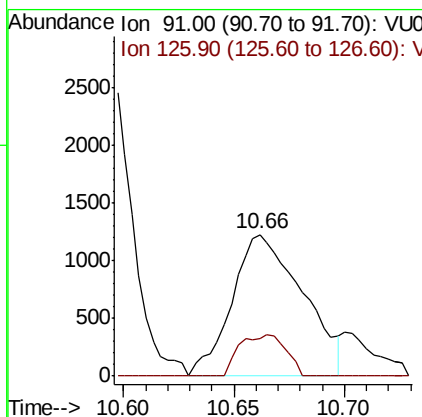
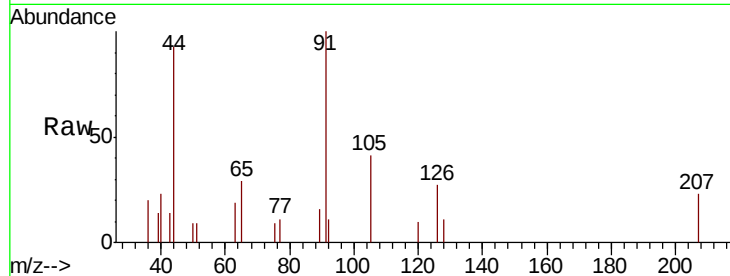




#79
 2-Chlorotoluene
 Concen: 0.218 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU028431.D
 Acq: 03 Dec 2018 11:16

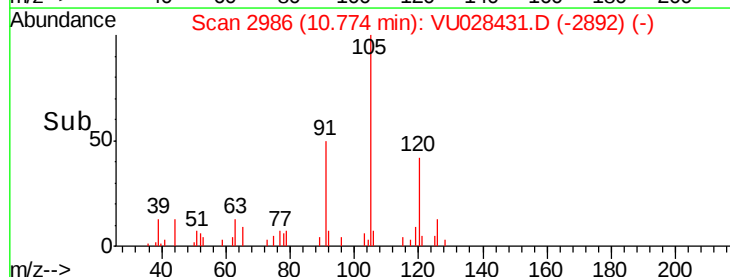
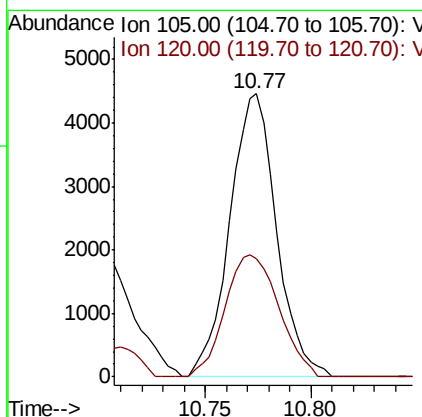
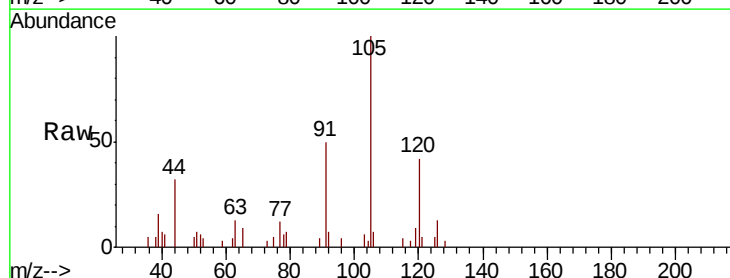
Instrument :
 MSVOA_U
 ClientSampleId :
 CB-1129-S-TCLP-GRID19

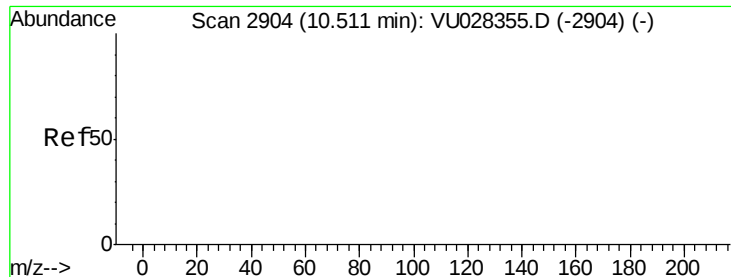
Tot Ion: 91 Resp: 2735
 Ion Ratio Lower Upper
 91 100
 126 19.3 15.4 46.1



#80
 1,3,5-Trimethylbenzene
 Concen: 0.471 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU028431.D
 Acq: 03 Dec 2018 11:16

Tgt Ion: 105 Resp: 6864
 Ion Ratio Lower Upper
 105 100
 120 49.5 23.4 70.0

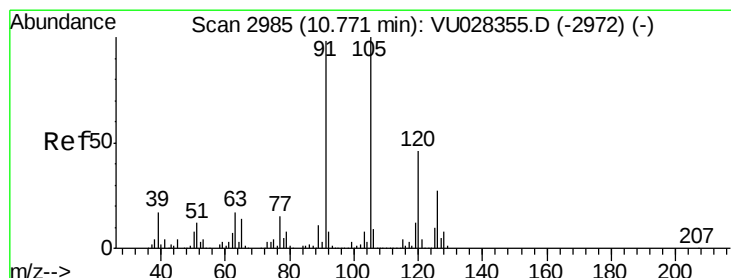
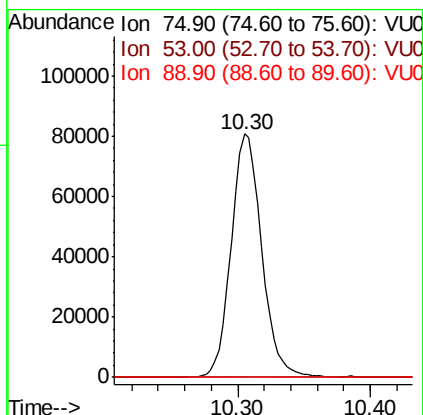
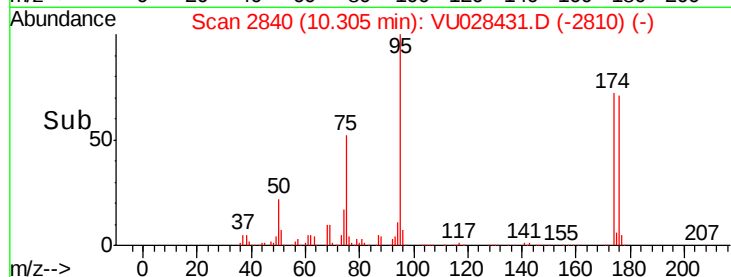
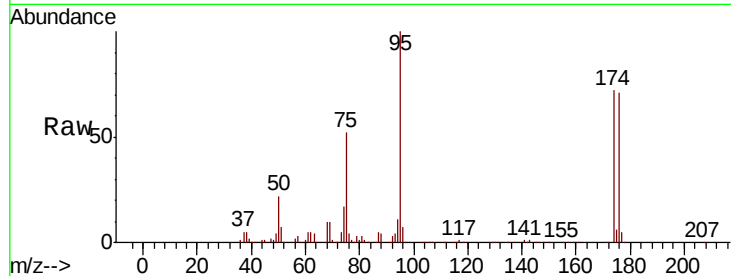




#81
trans-1,4-Dichloro-2-butene
Concen: 55.650 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.20 min
Lab File: VU028431.D
Acq: 03 Dec 2018 11:16

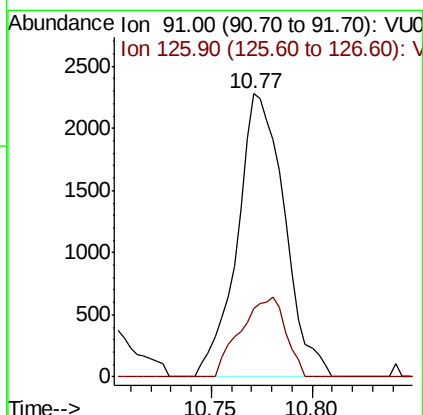
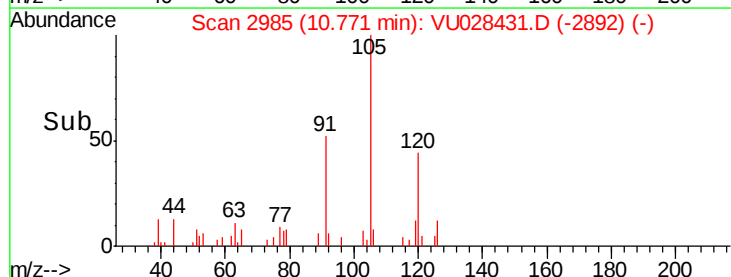
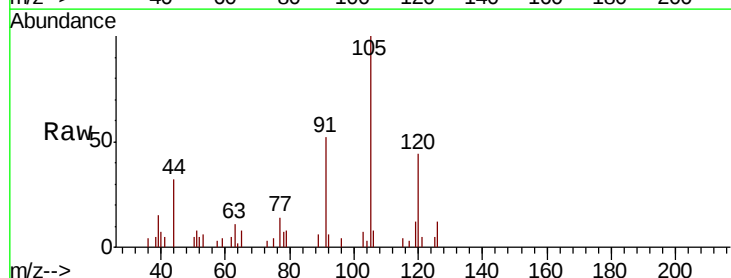
Instrument :
MSVOA_U
ClientSampleId :
CB-1129-S-TCLP-GRID19

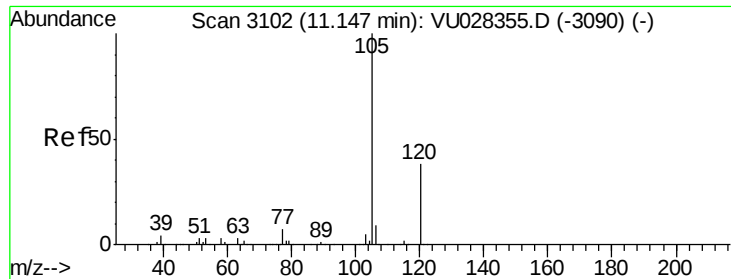
Tot Ion: 75 Resp: 129227
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0#



#82
4-Chlorotoluene
Concen: 0.258 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028431.D
Acq: 03 Dec 2018 11:16

Tgt Ion: 91 Resp: 3739
Ion Ratio Lower Upper
91 100
126 26.9 13.9 41.6

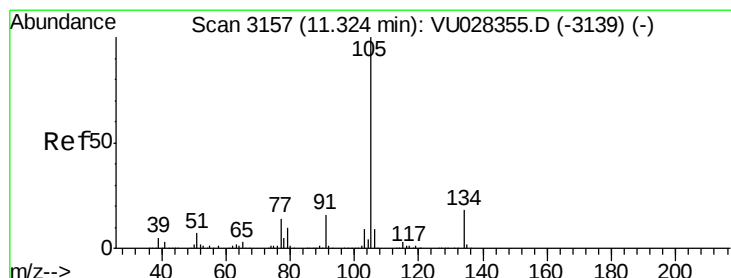
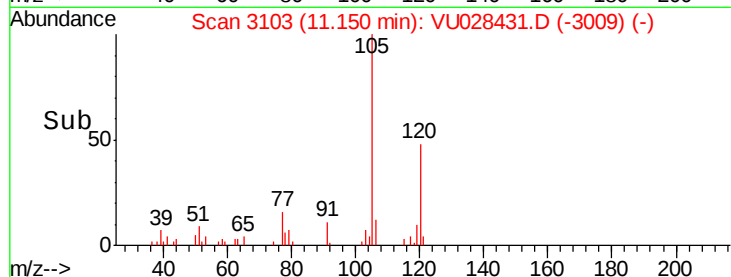
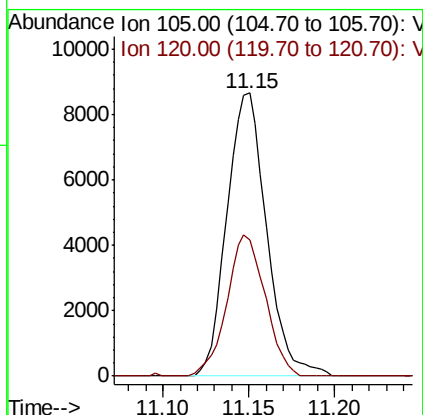
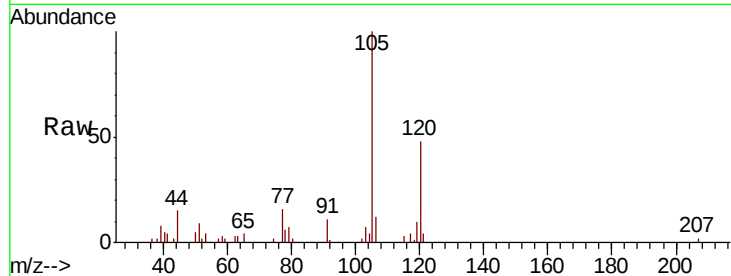




#84
 1,2,4-Trimethylbenzene
 Concen: 0.944 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU028431.D
 Acq: 03 Dec 2018 11:16

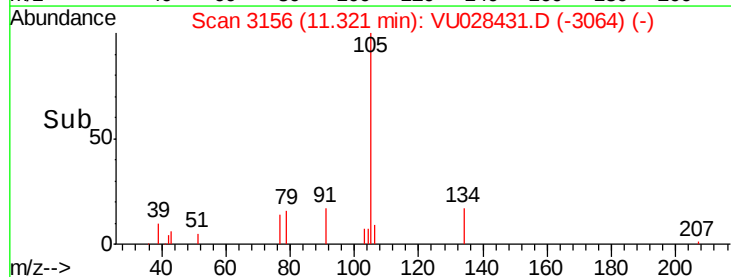
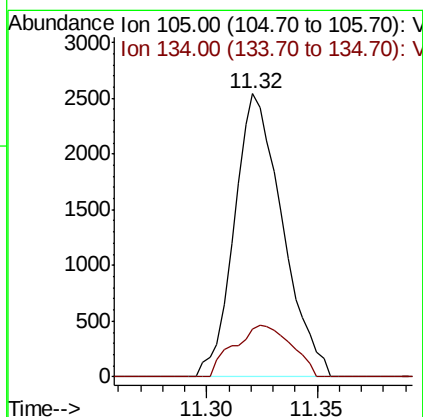
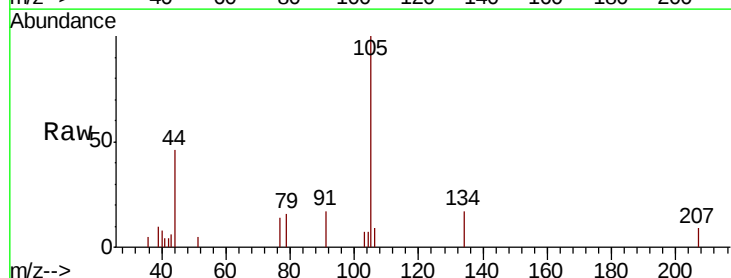
Instrument :
 MSVOA_U
 ClientSampleId :
 CB-1129-S-TCLP-GRID19

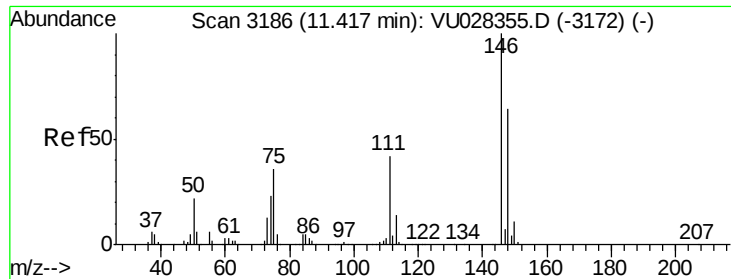
Tot Ion:105 Resp: 13933
 Ion Ratio Lower Upper
 105 100
 120 48.2 21.4 64.3



#85
 sec-Butylbenzene
 Concen: 0.218 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028431.D
 Acq: 03 Dec 2018 11:16

Tgt Ion:105 Resp: 3847
 Ion Ratio Lower Upper
 105 100
 134 21.6 9.3 27.7





#87

1,3-Dichlorobenzene

Concen: 0.436 ug/l

RT: 11.42 min Scan# 3188

Delta R.T. 0.01 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

Instrument :

MSVOA_U

ClientSampleId :

CB-1129-S-TCLP-GRID19

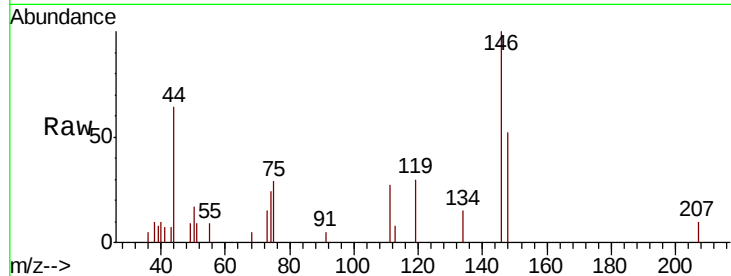
Tot Ion:146 Resp: 3241

Ion Ratio Lower Upper

146 100

111 34.1 20.8 62.4

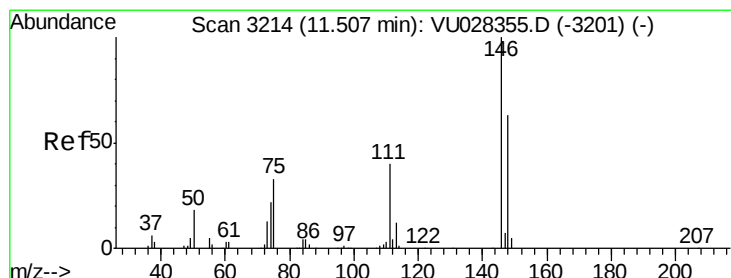
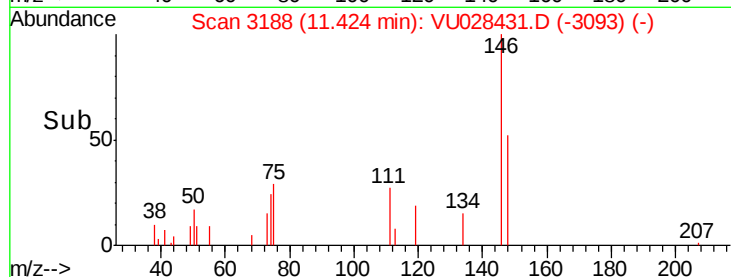
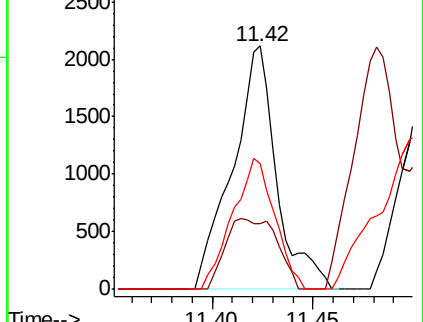
148 51.4 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.433 ug/l

RT: 11.42 min Scan# 3188

Delta R.T. -0.08 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

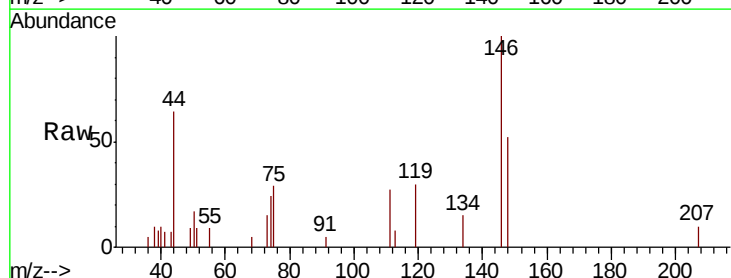
Tgt Ion:146 Resp: 3241

Ion Ratio Lower Upper

146 100

111 34.1 20.6 61.9

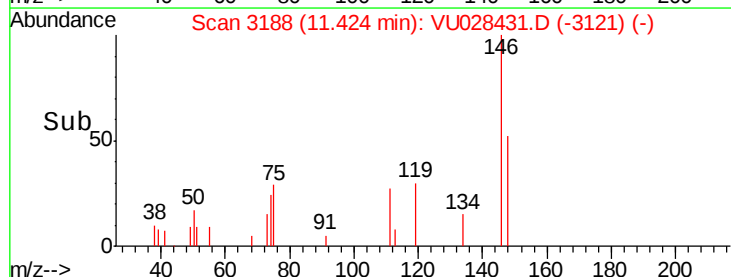
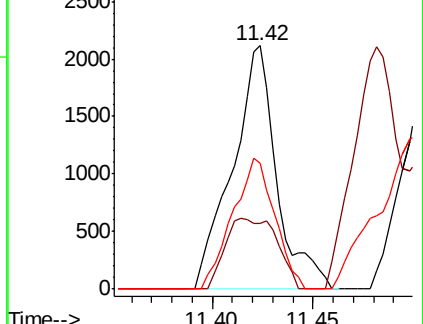
148 51.4 31.1 93.5

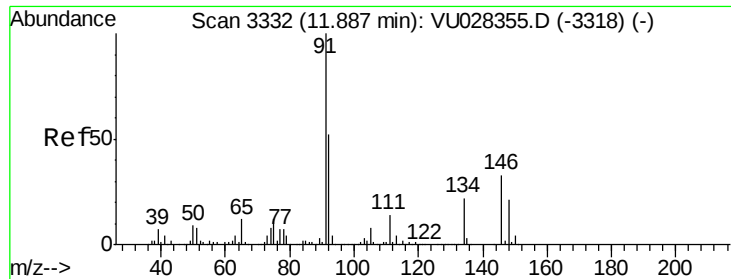


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

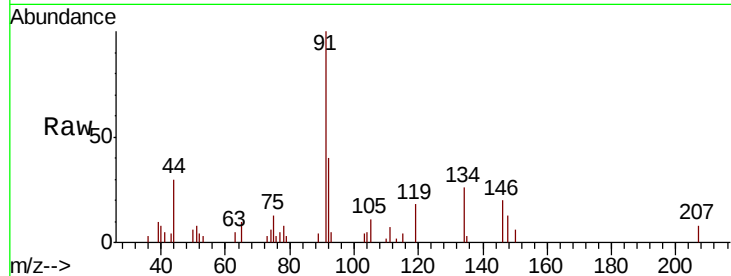




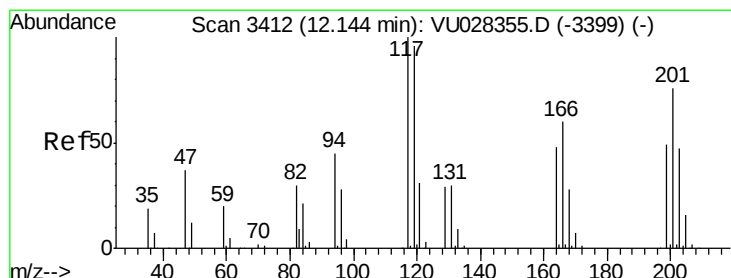
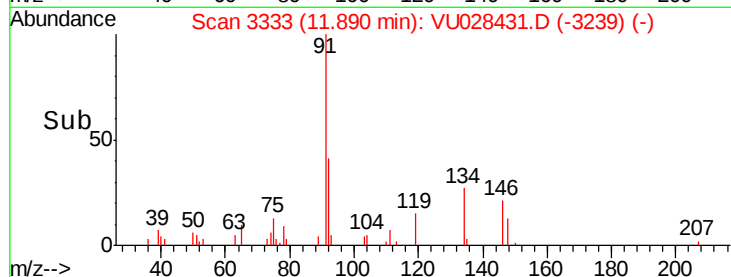
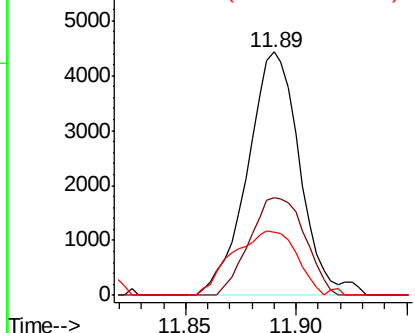
#89
n-Butylbenzene
Concen: 0.500 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028431.D
Acq: 03 Dec 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :
CB-1129-S-TCLP-GRID19

Tot Ion: 91 Resp: 7159
Ion Ratio Lower Upper
91 100
92 43.0 26.2 78.5
134 32.9 11.1 33.1

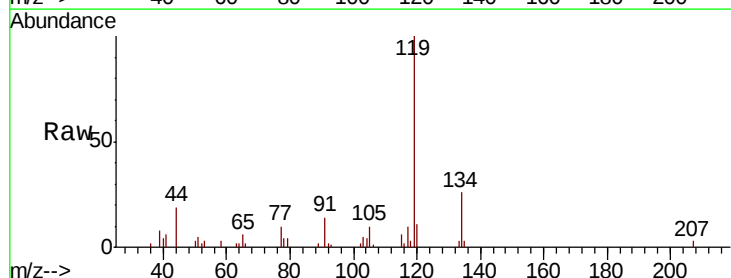


Abundance Ion 91.00 (90.70 to 91.70): VU028355.D (-3318) (-)
Ion 92.00 (91.70 to 92.70): VU028355.D (-3318) (-)
Ion 134.00 (133.70 to 134.70): VU028355.D (-3318) (-)

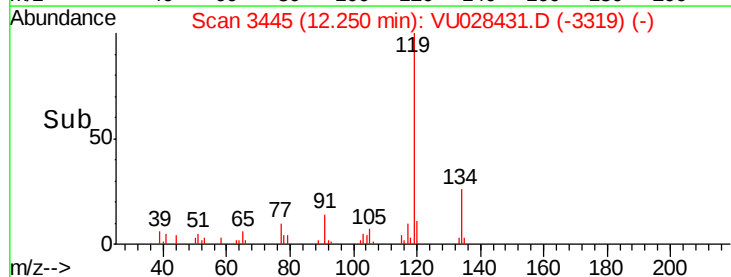
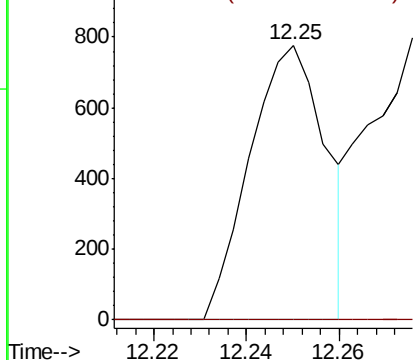


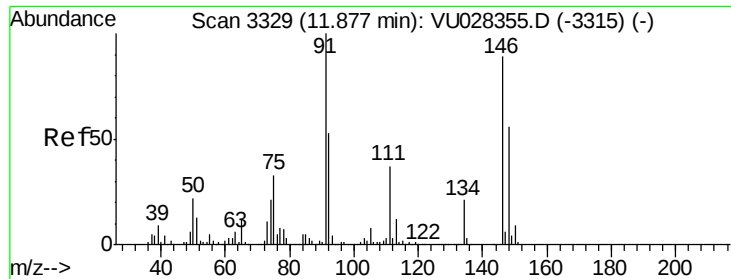
#90
Hexachloroethane
Concen: 0.389 ug/l
RT: 12.25 min Scan# 3445
Delta R.T. 0.11 min
Lab File: VU028431.D
Acq: 03 Dec 2018 11:16

Tgt Ion: 117 Resp: 880
Ion Ratio Lower Upper
117 100
201 0.0 37.7 113.1#



Abundance Ion 116.80 (116.50 to 117.50): VU028355.D (-3399) (-)
Ion 200.70 (200.40 to 201.40): VU028355.D (-3399) (-)

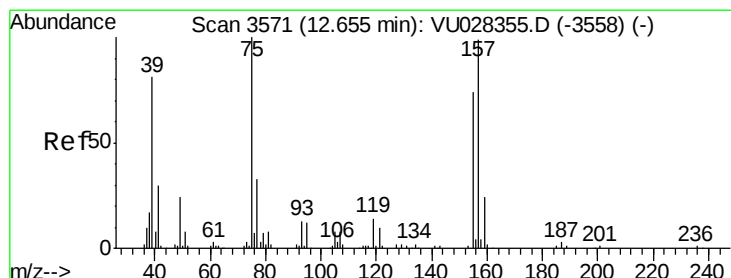
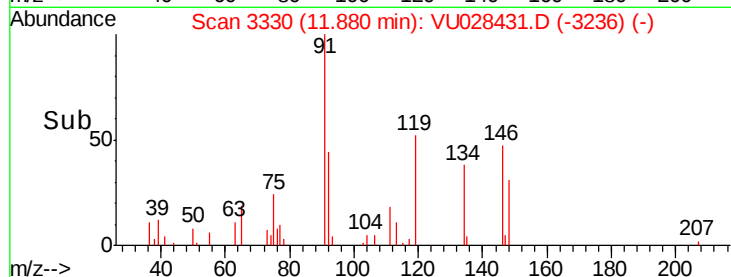
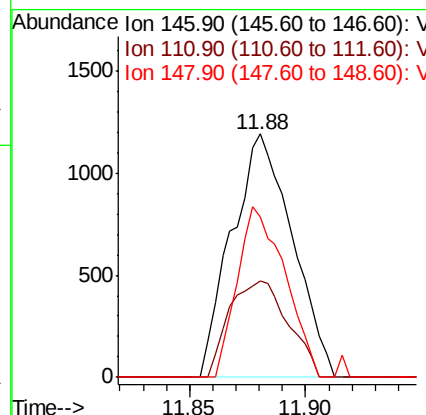
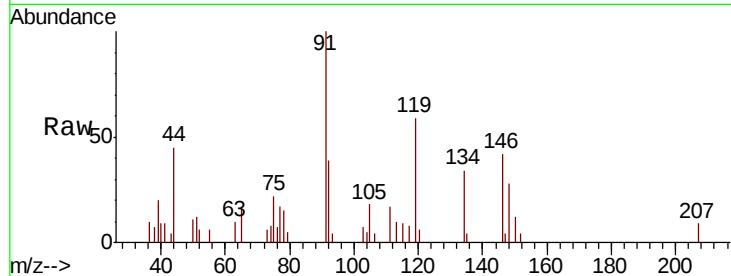




#91
 1,2-Dichlorobenzene
 Concen: 0.293 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028431.D
 Acq: 03 Dec 2018 11:16

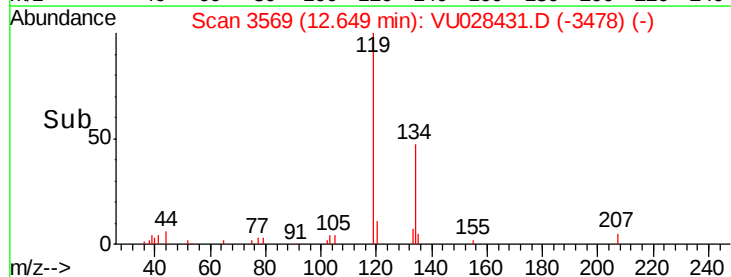
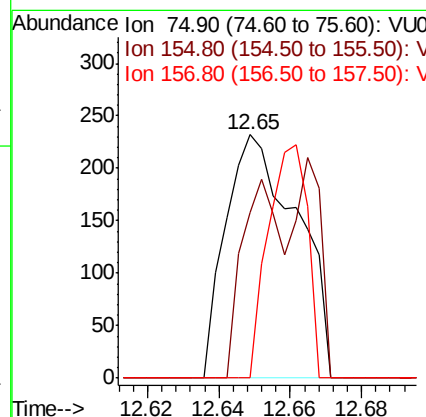
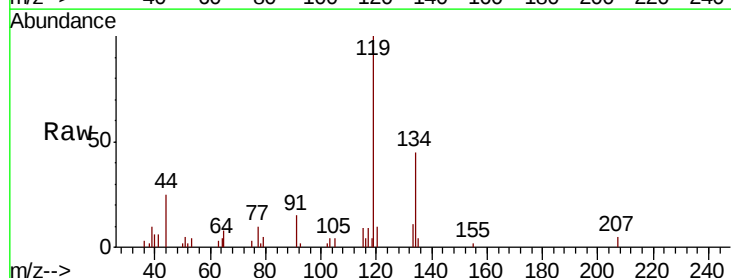
Instrument :
 MSVOA_U
 ClientSampleId :
 CB-1129-S-TCLP-GRID19

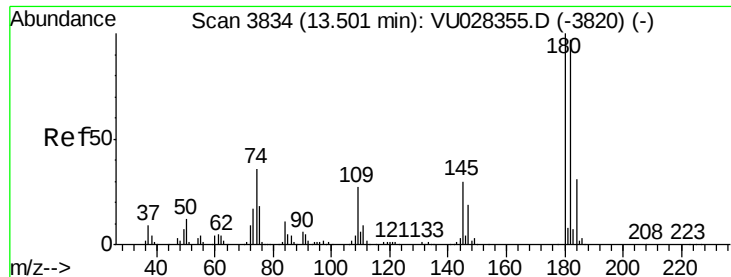
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	21.4	64.3
148	55.1	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.203 ug/l
 RT: 12.65 min Scan# 3569
 Delta R.T. -0.01 min
 Lab File: VU028431.D
 Acq: 03 Dec 2018 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	44.5	36.9	110.7
157	0.0	47.5	142.5#





#93

1,2,4-Trichlorobenzene

Concen: 0.909 ug/l

RT: 13.51 min Scan# 3837

Delta R.T. 0.01 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

Instrument :

MSVOA_U

ClientSampleId :

CB-1129-S-TCLP-GRID19

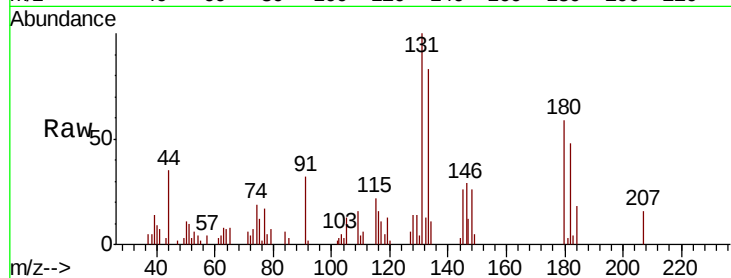
Tot Ion:180 Resp: 4411

Ion Ratio Lower Upper

180 100

182 96.9 48.3 144.9

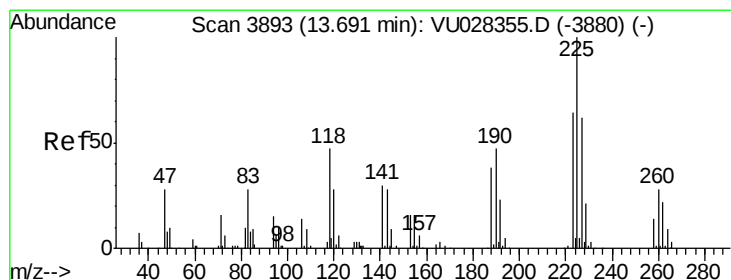
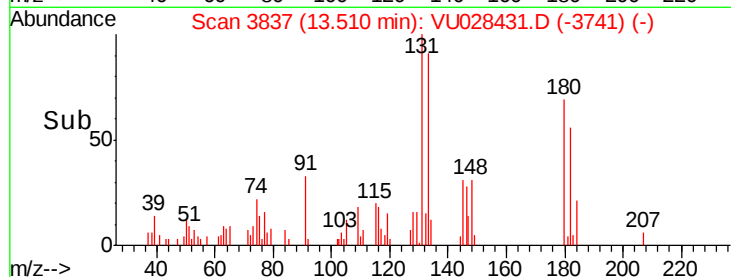
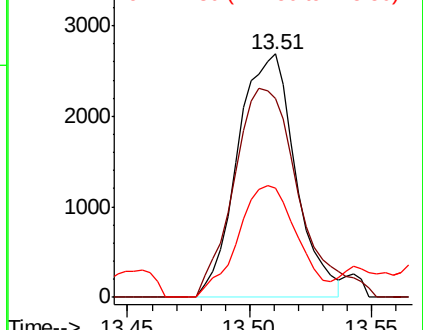
145 47.4 15.2 45.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 0.585 ug/l

RT: 13.69 min Scan# 3894

Delta R.T. 0.00 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

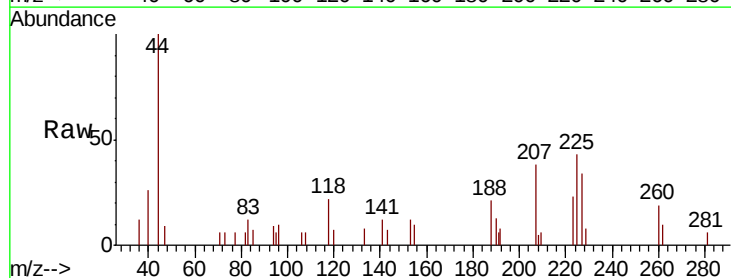
Tgt Ion:225 Resp: 1341

Ion Ratio Lower Upper

225 100

223 50.3 31.6 94.7

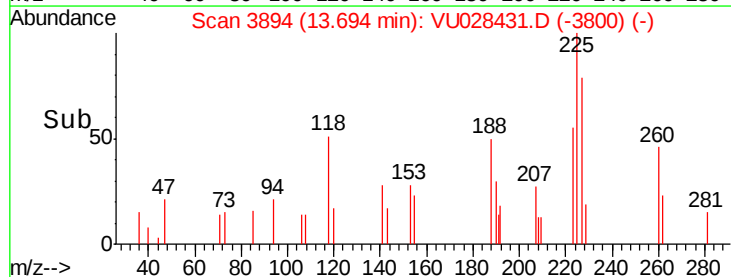
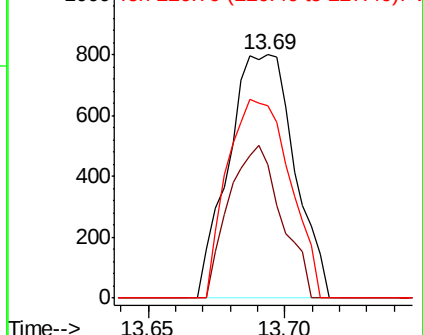
227 78.0 30.8 92.4

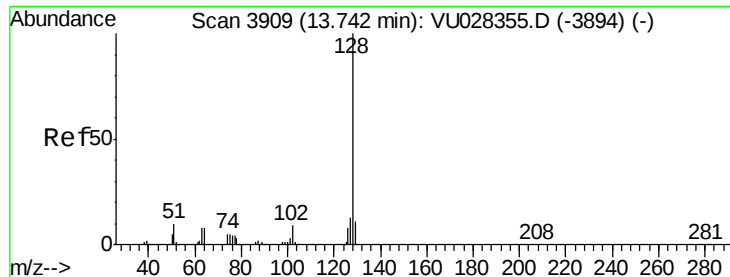


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 5.147 ug/l

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

Instrument :

MSVOA_U

ClientSampleId :

CB-1129-S-TCLP-GRID19

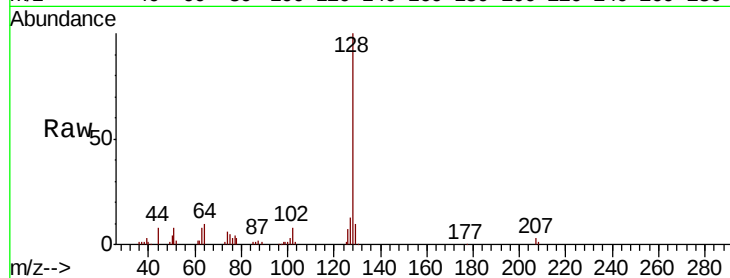
Tot Ion:128 Resp: 45849

Ion Ratio Lower Upper

128 100

127 13.9 10.6 15.8

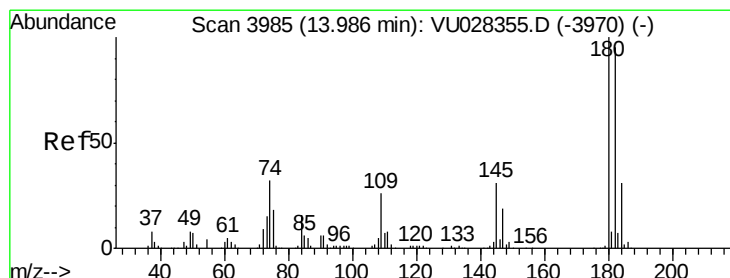
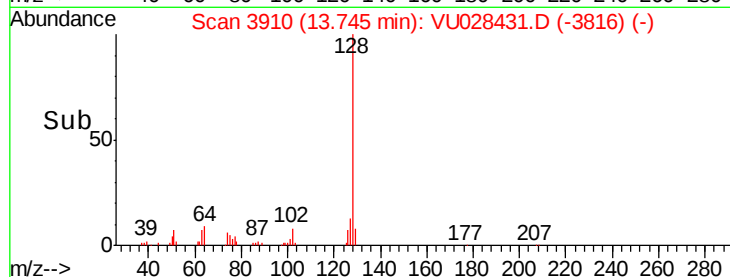
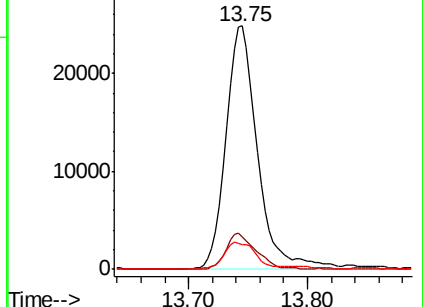
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.912 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU028431.D

Acq: 03 Dec 2018 11:16

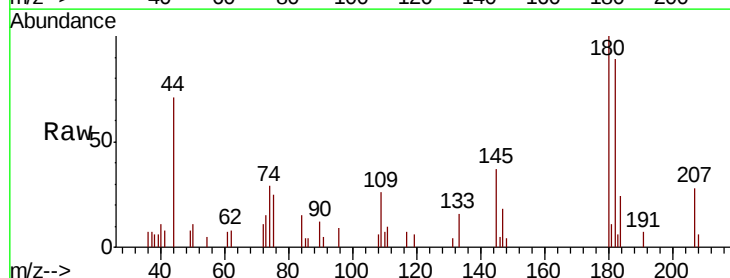
Tgt Ion:180 Resp: 4478

Ion Ratio Lower Upper

180 100

182 89.9 47.7 143.1

145 22.2 15.7 47.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

