

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U122218\
 Data File : VU028929.D
 Acq On : 22 Dec 2018 21:03
 Operator : MD/SY
 Sample : J6392-07ME
 Misc : 5.78g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 KY001SB103-121118-(20-22)ME

Quant Time: Dec 24 04:49:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	184568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	303731	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	283889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	145568	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.30	65	105684	37.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.04%	
35) Dibromofluoromethane	4.88	113	92685	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
50) Toluene-d8	7.56	98	394711	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
62) 4-Bromofluorobenzene	10.31	95	147694	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	

Target Compounds					Qvalue
3) Chloromethane	1.32	50	3275	0.720 ug/l	95
5) Bromomethane	1.60	94	490	0.371 ug/l #	77
11) Tert butyl alcohol	2.83	59	3534	5.632 ug/l #	73
13) Acrolein	2.26	56	609	1.217 ug/l #	74
14) Allyl chloride	2.71	41	25903	5.328 ug/l #	50
15) Acrylonitrile	2.96	53	1679	0.964 ug/l #	44
16) Acetone	2.34	43	468	0.255 ug/l #	44
18) Methyl Acetate	2.71	43	74305	15.596 ug/l #	56
19) Methyl tert-butyl Ether	3.01	73	11748	1.508 ug/l	92
20) Methylene Chloride	2.68	84	1296	0.478 ug/l #	73
23) Vinyl Acetate	3.27	43	22209	2.848 ug/l #	41
25) 2-Butanone	4.20	43	2750	1.095 ug/l #	52
29) Tetrahydrofuran	4.67	42	602	0.373 ug/l #	37
30) Chloroform	4.71	83	6016	1.395 ug/l	97
31) Cyclohexane	4.97	56	86500	17.125 ug/l #	77
36) 1,1-Dichloropropene	4.97	75	13451	4.047 ug/l #	55
38) Carbon Tetrachloride	4.98	117	15973	5.963 ug/l #	15
39) Methylcyclohexane	6.41	83	214712	52.952 ug/l	91
40) Benzene	5.38	78	59225	6.050 ug/l	97
41) Methacrylonitrile	4.57	41	1188	0.505 ug/l #	50
43) Isopropyl Acetate	5.53	43	474318	69.795 ug/l #	62
45) 1,2-Dichloropropane	6.41	63	2108	0.766 ug/l #	1
46) Dibromomethane	6.53	93	528	0.323 ug/l #	1
47) Bromodichloromethane	6.70	83	3081	0.969 ug/l #	1
48) Methyl methacrylate	6.63	41	31598	9.350 ug/l #	19
51) 4-Methyl-2-Pentanone	7.52	43	71070	16.581 ug/l #	80
52) Toluene	7.64	92	15545	2.698 ug/l	94
55) 1,1,2-Trichloroethane	8.04	97	137642	60.441 ug/l #	20
56) Ethyl methacrylate	8.04	69	46719	11.980 ug/l #	36
58) 2-Chloroethyl Vinyl ether	7.10	63	1235	0.618 ug/l #	54
59) 2-Hexanone	8.33	43	167222	49.222 ug/l #	33
60) Dibromochloromethane	8.45	129	968	0.434 ug/l	74
65) Chlorobenzene	9.03	112	3810	0.630 ug/l #	63
67) Ethyl Benzene	9.25	91	2973695	267.401 ug/l	98

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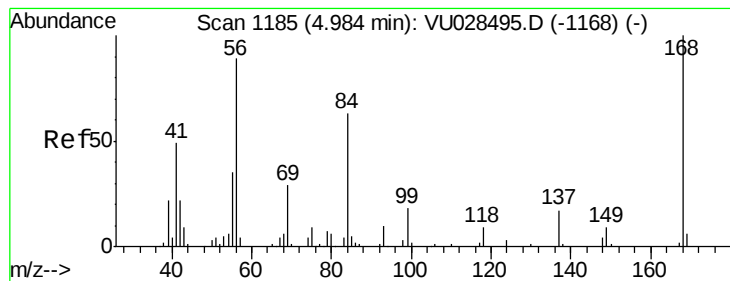
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Quant Time: Dec 24 04:49:16 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

68) m/p-Xylenes	9.38	106	898145	221.954	ug/l	95
69) o-Xylene	9.78	106	88918	22.611	ug/l	93
70) Styrene	9.78	104	6310	0.970	ug/l #	1
73) Isopropylbenzene	10.17	105	936755	83.864	ug/l	99
74) N-amyl acetate	10.01	43	22054	3.423	ug/l #	7
75) 1,1,2,2-Tetrachloroethane	10.46	83	29333	6.836	ug/l #	87
76) 1,2,3-Trichloropropane	10.59	75	16914	4.550	ug/l #	1
78) n-propylbenzene	10.59	91	3092907	222.837	ug/l	97
79) 2-Chlorotoluene	10.71	91	297193	37.172	ug/l #	44
80) 1,3,5-Trimethylbenzene	10.77	105	3230454	349.384	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.59	75	16914	11.594	ug/l #	100
82) 4-Chlorotoluene	10.77	91	322254	34.014	ug/l #	47
83) tert-Butylbenzene	11.16	119	1436378	161.173	ug/l #	69
84) 1,2,4-Trimethylbenzene	11.16	105	11316859	1187.632	ug/l	95
85) sec-Butylbenzene	11.32	105	368896	32.221	ug/l	99
86) p-Isopropyltoluene	11.48	119	144558	14.864	ug/l	98
89) n-Butylbenzene	11.89	91	1371088	139.300	ug/l #	32
90) Hexachloroethane	12.15	117	155875	106.038	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.65	75	11518	12.399	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.50	180	1162	1.180	ug/l #	1
95) Naphthalene	13.74	128	2303473	194.547	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1183

Delta R.T. -0.01 min

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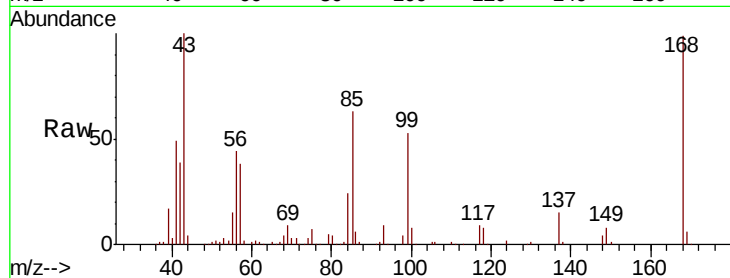
KY001SB103-121118-(20-22)ME

Tgt Ion: 168 Resp: 184568

Ion Ratio Lower Upper

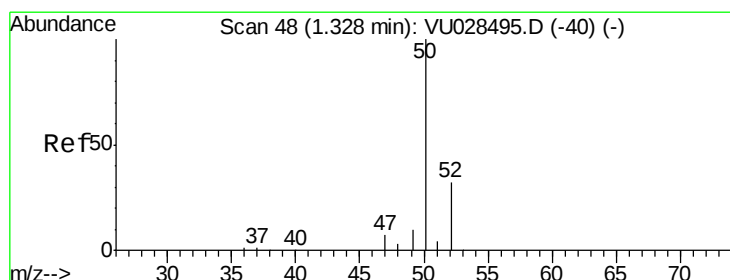
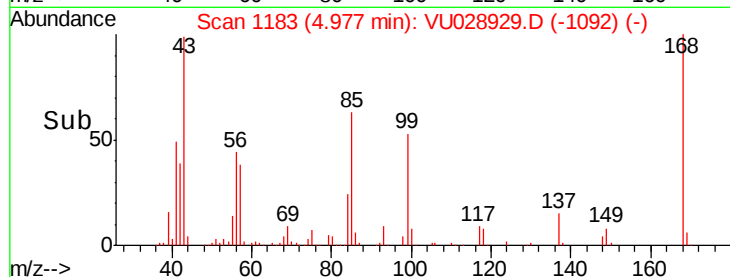
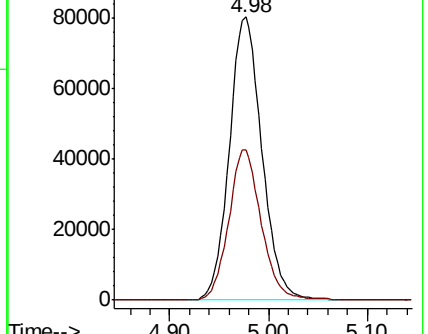
168 100

99 53.2 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028929.D (-1092) (-)



#3

Chloromethane

Concen: 0.720 ug/l

RT: 1.32 min Scan# 46

Delta R.T. -0.01 min

Lab File: VU028929.D

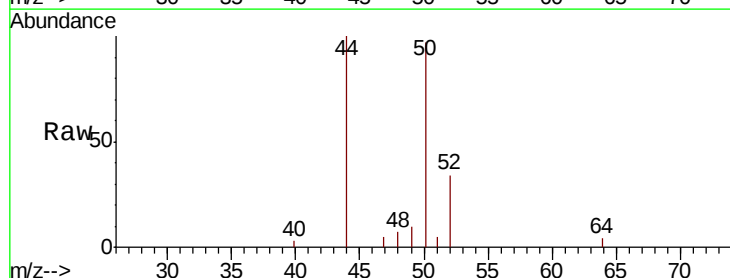
Acq: 22 Dec 2018 21:03

Tgt Ion: 50 Resp: 3275

Ion Ratio Lower Upper

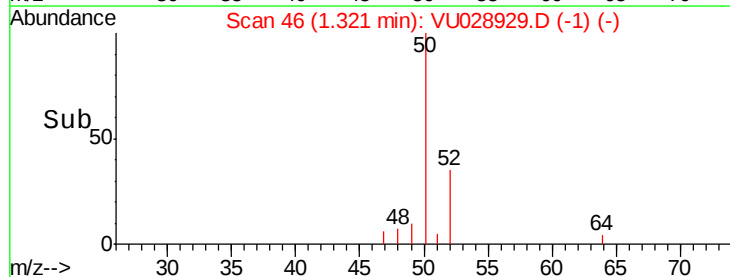
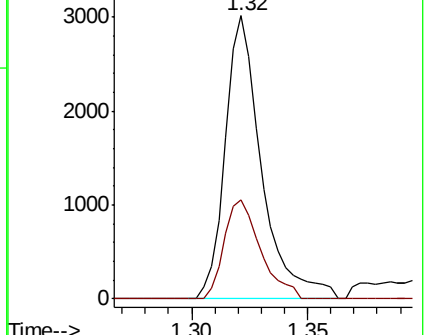
50 100

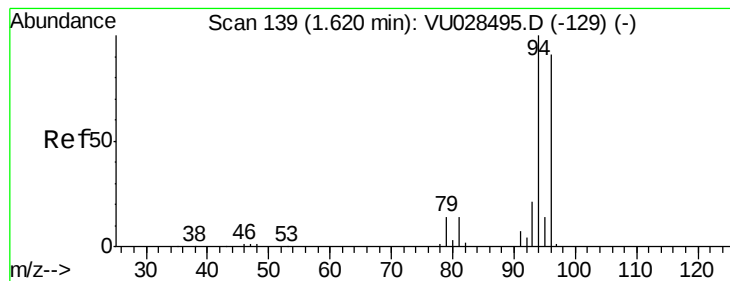
52 34.8 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028929.D (-1) (-)





#5

Bromomethane

Concen: 0.371 ug/l

RT: 1.60 min Scan# 132

Delta R.T. -0.02 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

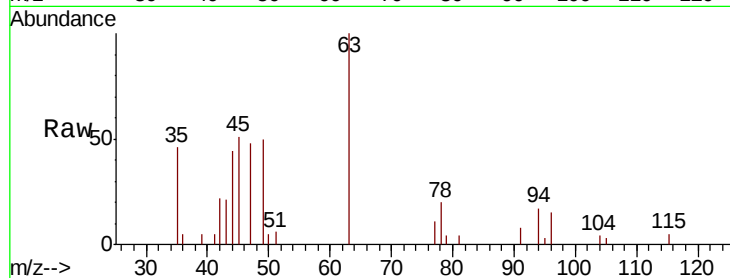
KY001SB103-121118-(20-22)ME

Tgt Ion: 94 Resp: 490

Ion Ratio Lower Upper

94 100

96 113.3 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.60

600

500

400

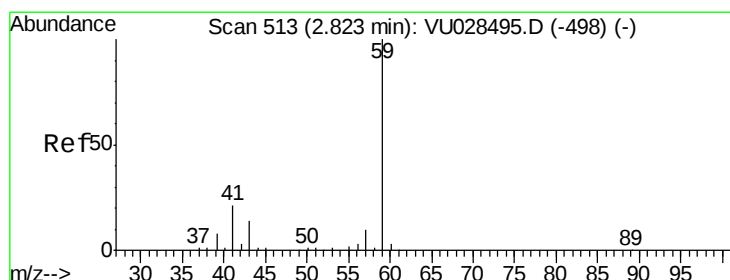
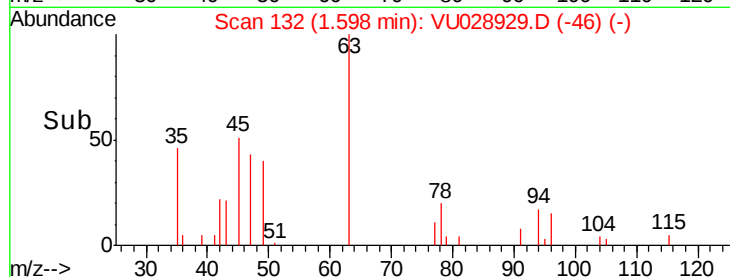
300

200

100

0

Time-->



#11

Tert butyl alcohol

Concen: 5.632 ug/l

RT: 2.83 min Scan# 514

Delta R.T. 0.00 min

Lab File: VU028929.D

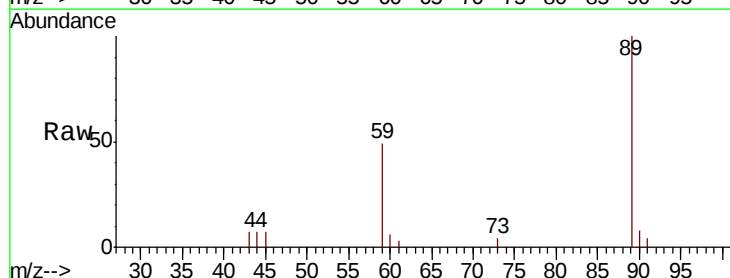
Acq: 22 Dec 2018 21:03

Tgt Ion: 59 Resp: 3534

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.83

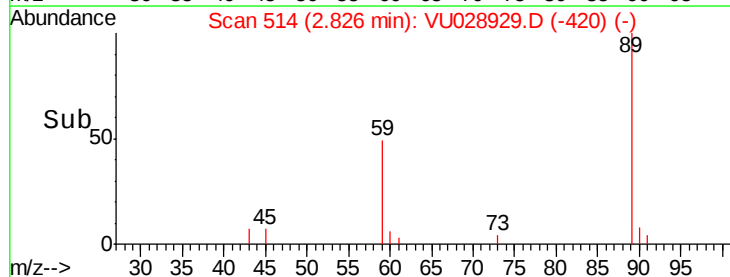
1500

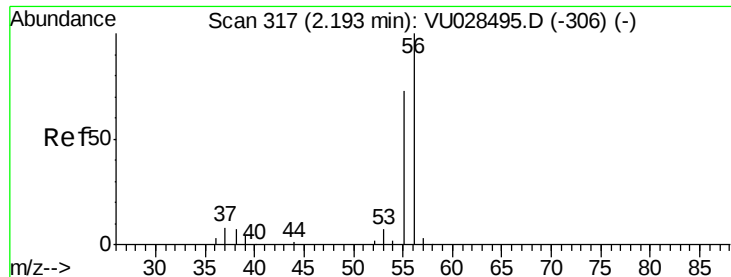
1000

500

0

Time-->





#13

Acrolein

Concen: 1.217 ug/l

RT: 2.26 min Scan# 337

Delta R.T. 0.06 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

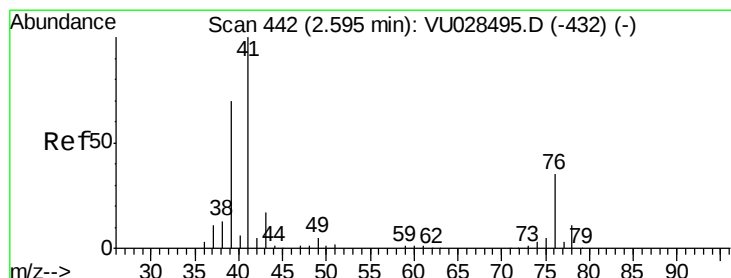
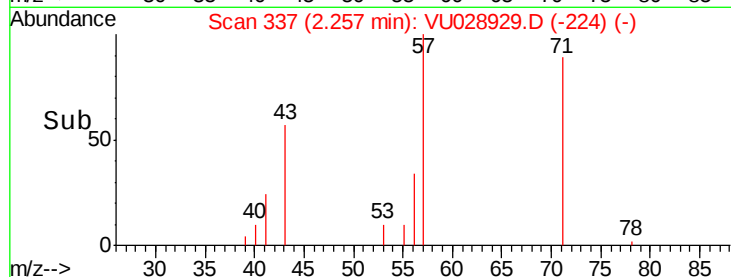
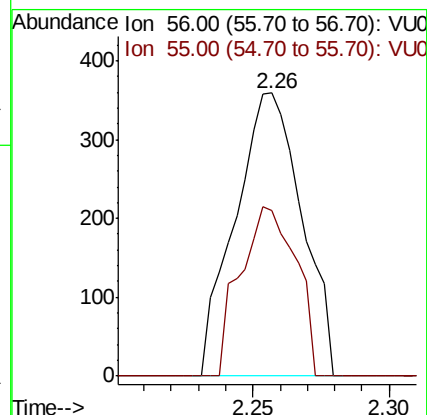
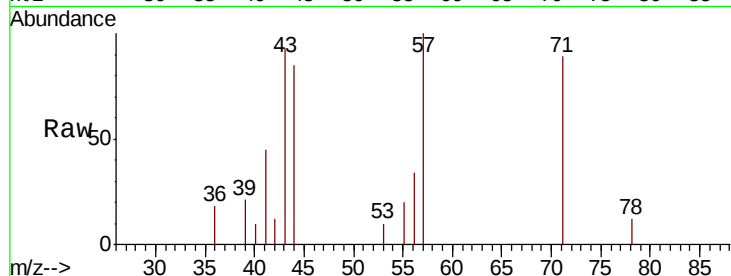
KY001SB103-121118-(20-22)ME

Tgt Ion: 56 Resp: 609

Ion Ratio Lower Upper

56 100

55 50.2 57.5 86.3#



#14

Allyl chloride

Concen: 5.328 ug/l

RT: 2.71 min Scan# 477

Delta R.T. 0.11 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

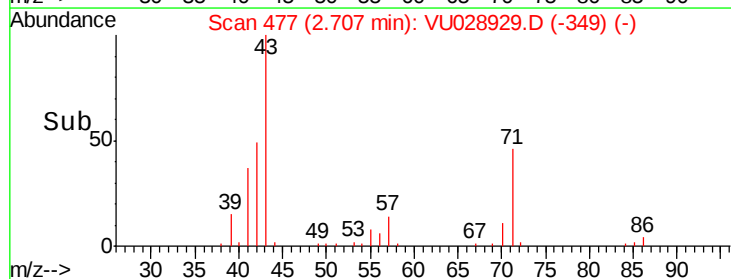
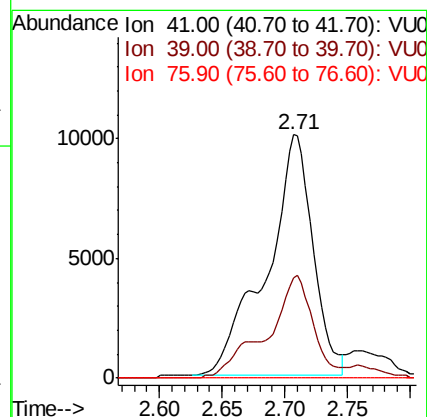
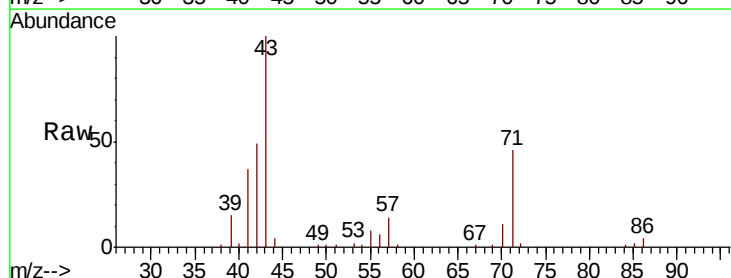
Tgt Ion: 41 Resp: 25903

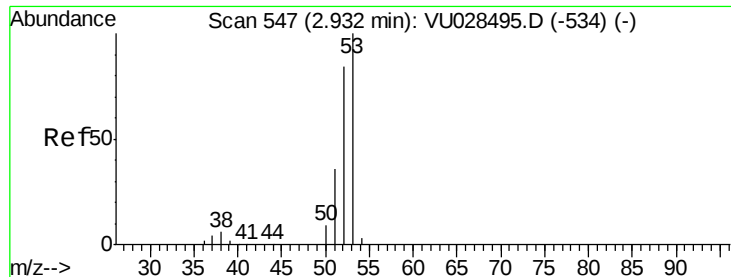
Ion Ratio Lower Upper

41 100

39 26.8 50.8 76.2#

76 0.0 24.8 37.2#





#15

Acrylonitrile

Concen: 0.964 ug/l

RT: 2.96 min Scan# 557

Delta R.T. 0.03 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

Instrument :

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ClientSampleId :

KY001SB103-121118-(20-22)ME

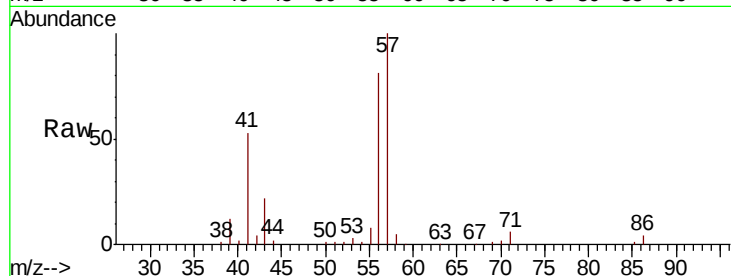
Tgt Ion: 53 Resp: 1679

Ion Ratio Lower Upper

53 100

52 12.6 66.1 99.1#

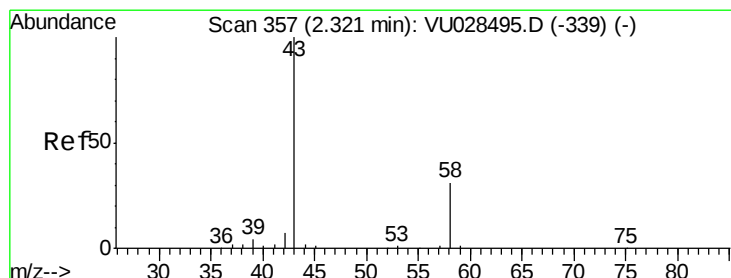
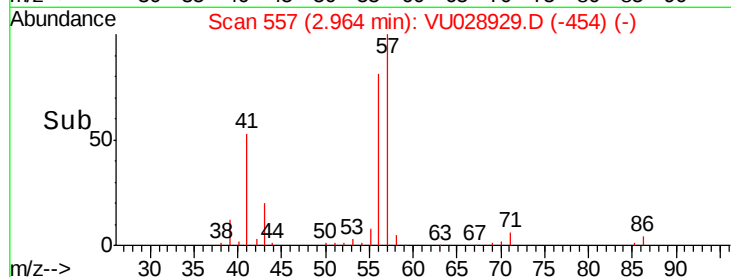
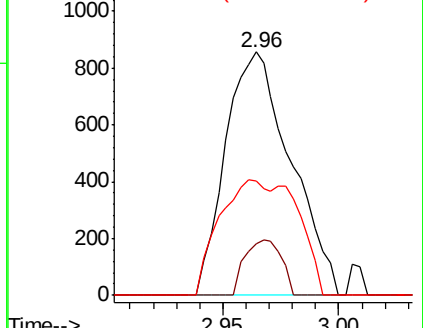
51 36.7 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 0.255 ug/l

RT: 2.34 min Scan# 363

Delta R.T. 0.02 min

Lab File: VU028929.D

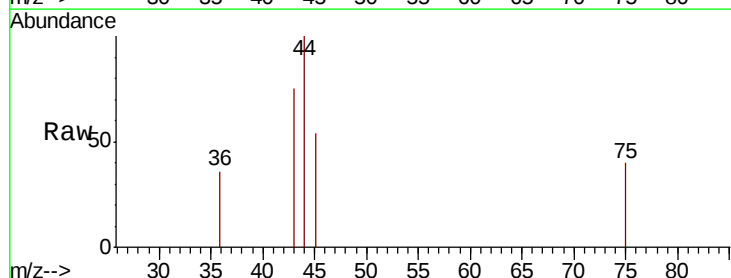
Acq: 22 Dec 2018 21:03

Tgt Ion: 43 Resp: 468

Ion Ratio Lower Upper

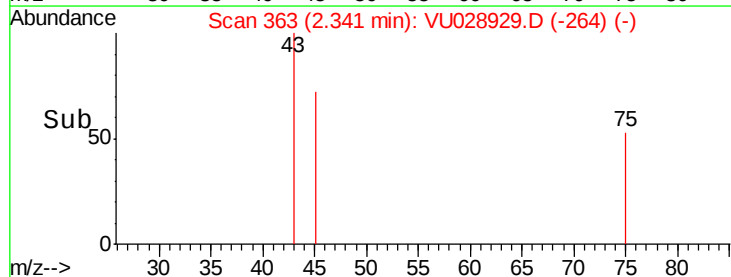
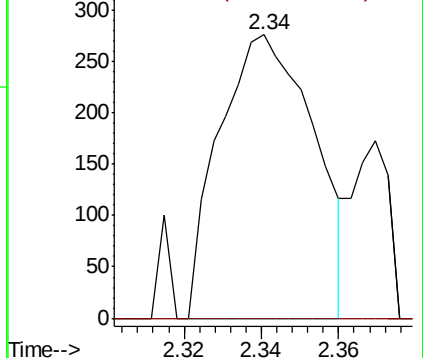
43 100

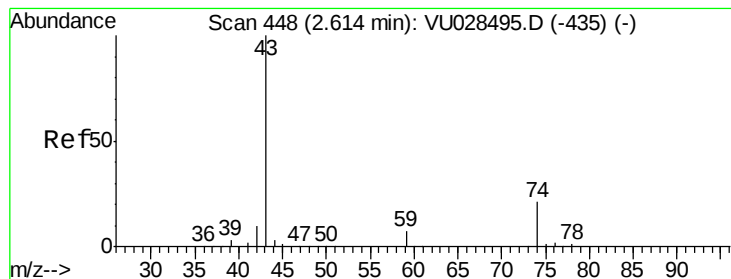
58 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#18

Methyl Acetate

Concen: 15.596 ug/l

RT: 2.71 min Scan# 477

Delta R.T. 0.09 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

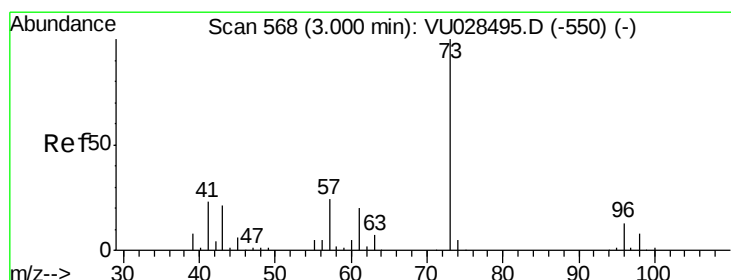
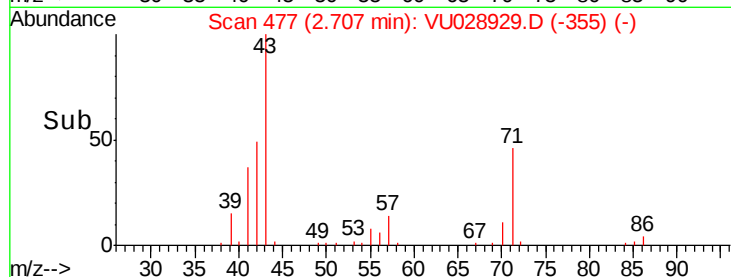
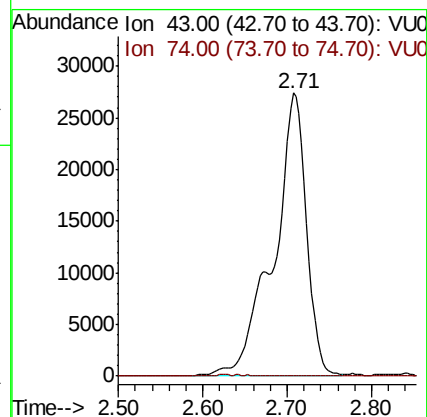
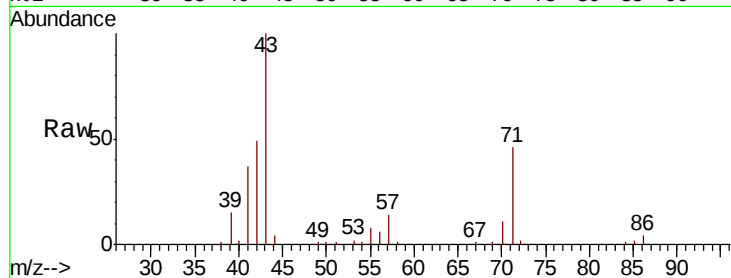
KY001SB103-121118-(20-22)ME

Tgt Ion: 43 Resp: 74305

Ion Ratio Lower Upper

43 100

74 0.0 16.4 24.6#



#19

Methyl tert-butyl Ether

Concen: 1.508 ug/l

RT: 3.01 min Scan# 570

Delta R.T. 0.01 min

Lab File: VU028929.D

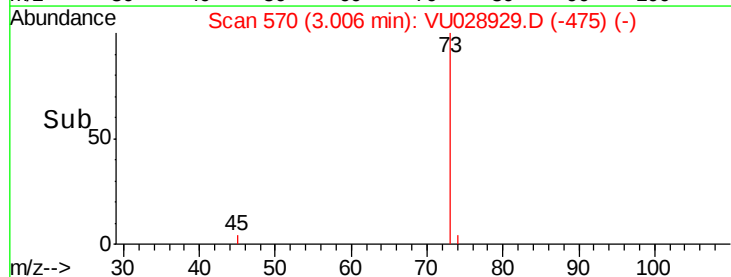
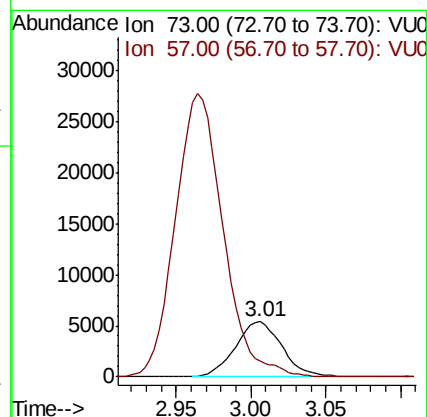
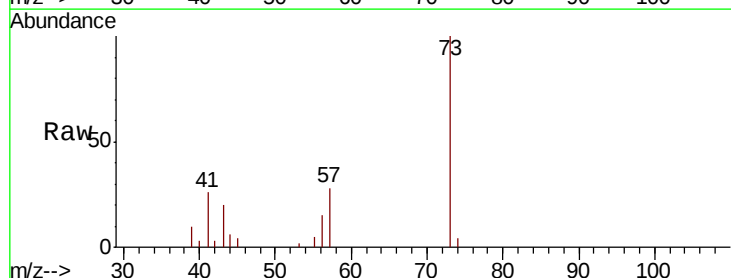
Acq: 22 Dec 2018 21:03

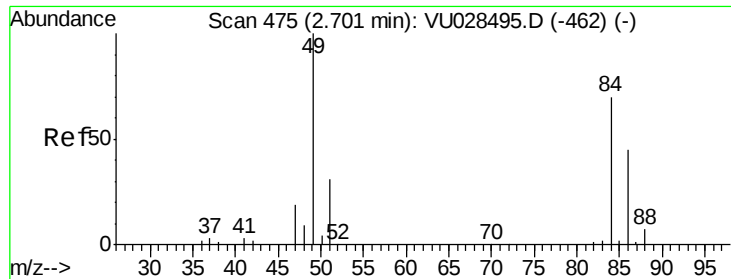
Tgt Ion: 73 Resp: 11748

Ion Ratio Lower Upper

73 100

57 28.1 19.4 29.2

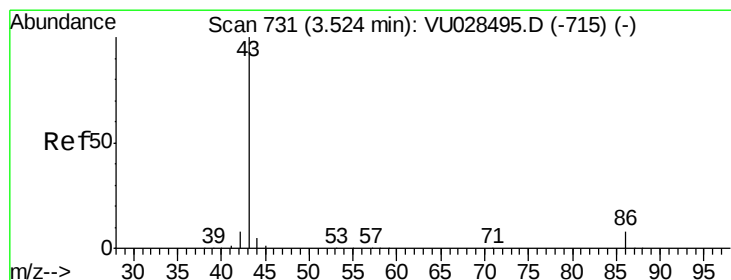
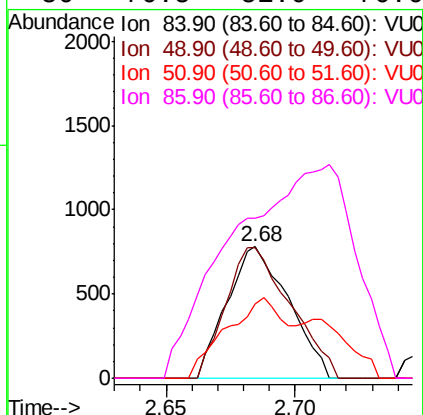
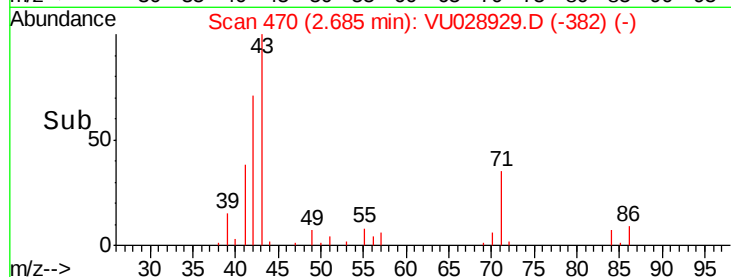
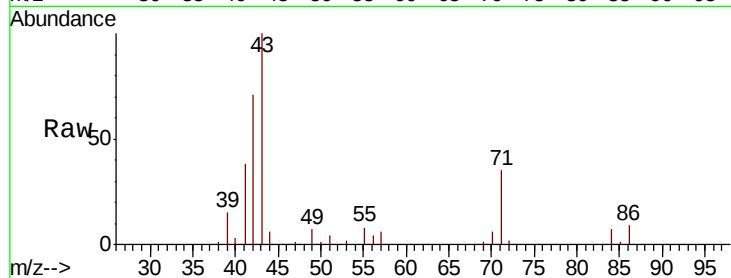




#20
Methylene Chloride
Concen: 0.478 ug/l
RT: 2.68 min Scan# 470
Delta R.T. -0.02 min
Lab File: VU028929.D
Acq: 22 Dec 2018 21:03

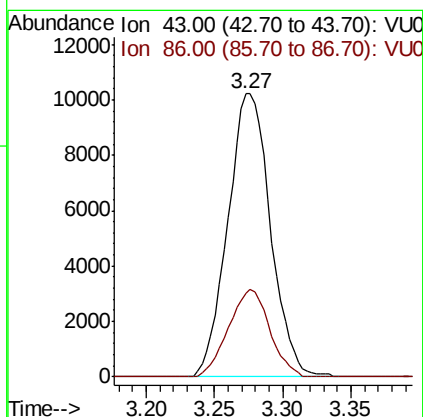
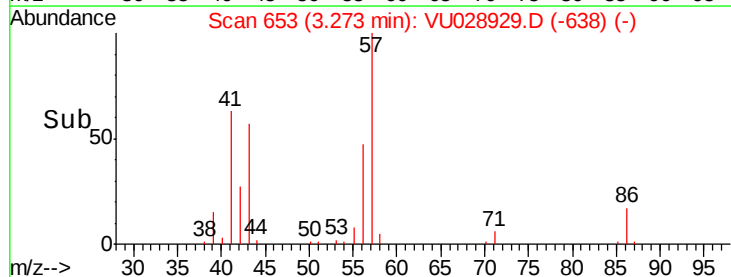
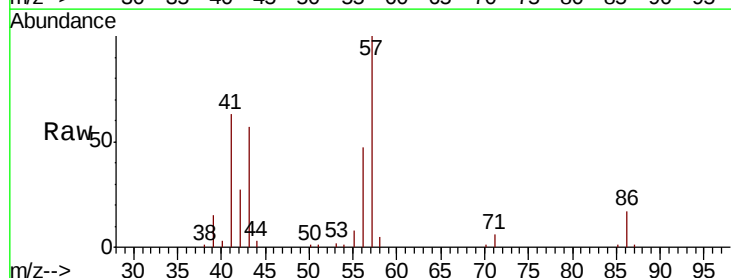
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KY001SB103-121118-(20-22)ME

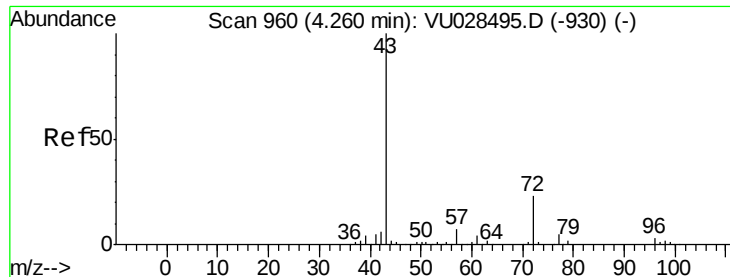
Tgt Ion: 84 Resp: 1296
Ion Ratio Lower Upper
84 100
49 99.9 114.0 171.0#
51 56.7 35.1 52.7#
86 76.5 51.0 76.6



#23
Vinyl Acetate
Concen: 2.848 ug/l
RT: 3.27 min Scan# 653
Delta R.T. -0.25 min
Lab File: VU028929.D
Acq: 22 Dec 2018 21:03

Tgt Ion: 43 Resp: 22209
Ion Ratio Lower Upper
43 100
86 29.6 6.8 10.2#





#25

2-Butanone

Concen: 1.095 ug/l

RT: 4.20 min Scan# 941

Delta R.T. -0.06 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

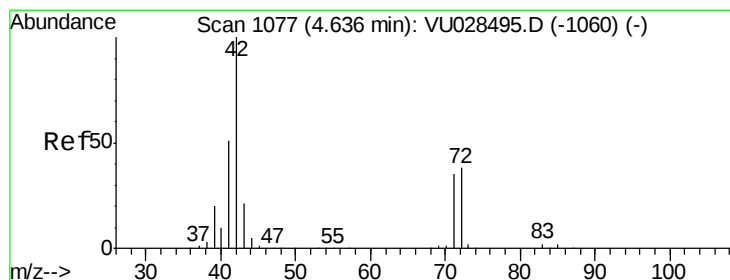
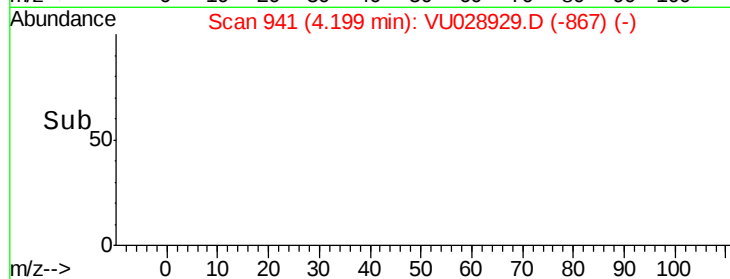
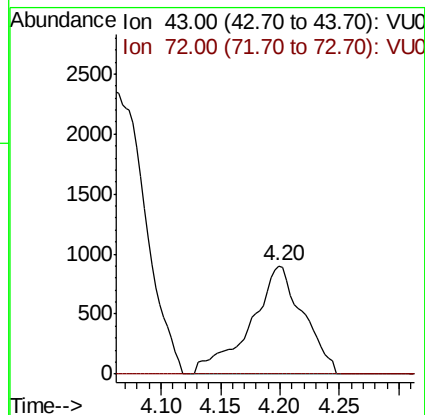
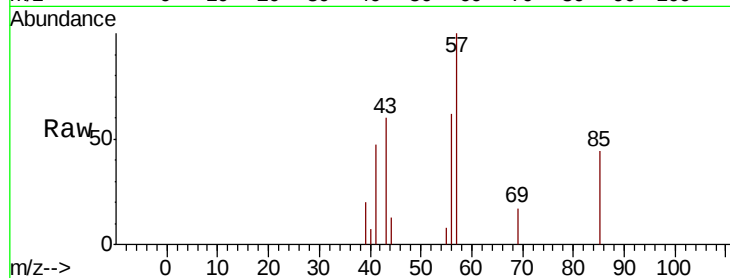
KY001SB103-121118-(20-22)ME

Tgt Ion: 43 Resp: 2750

Ion Ratio Lower Upper

43 100

72 0.0 18.6 28.0#



#29

Tetrahydrofuran

Concen: 0.373 ug/l

RT: 4.67 min Scan# 1087

Delta R.T. 0.03 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

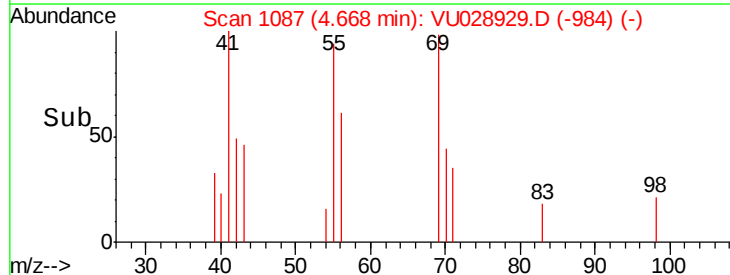
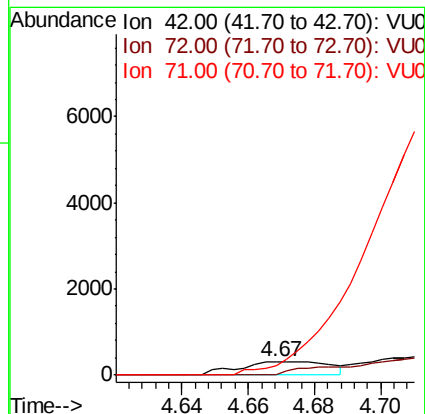
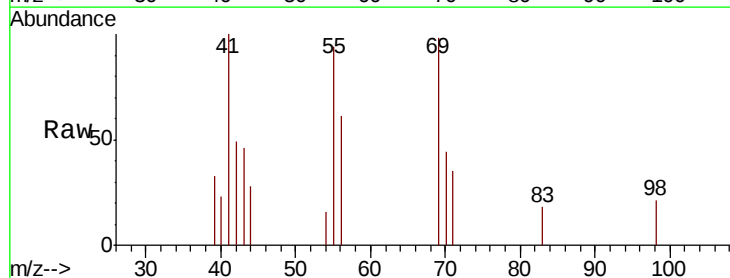
Tgt Ion: 42 Resp: 602

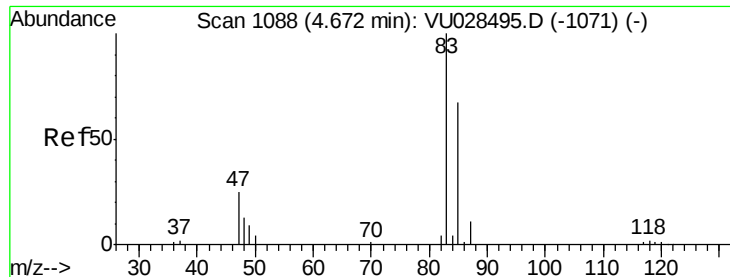
Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

71 0.0 28.6 43.0#

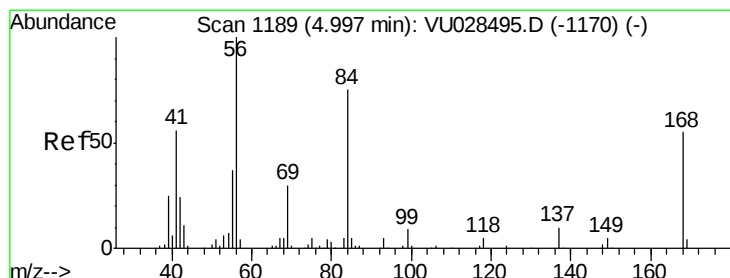
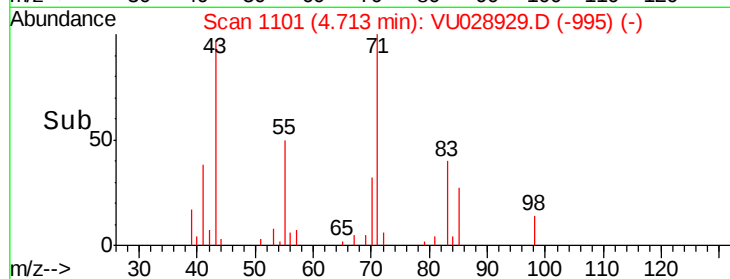
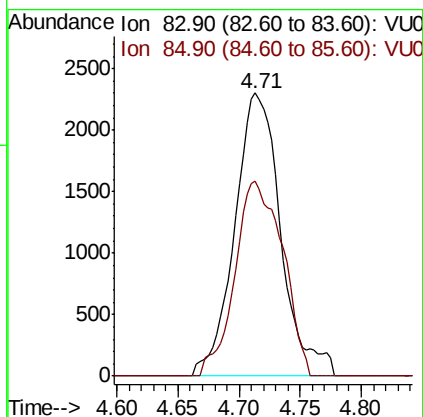
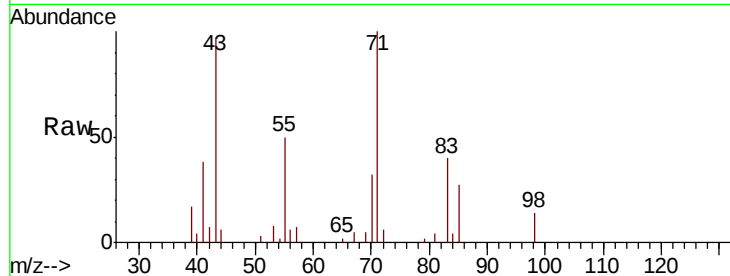




#30
Chloroform
Concen: 1.395 ug/l
RT: 4.71 min Scan# 1101
Delta R.T. 0.04 min
Lab File: VU028929.D
Acq: 22 Dec 2018 21:03

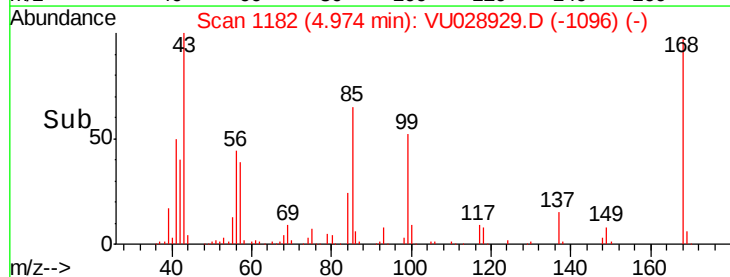
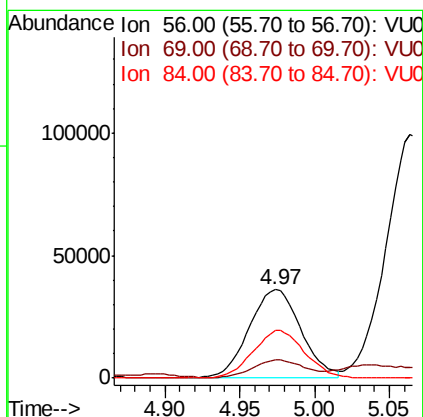
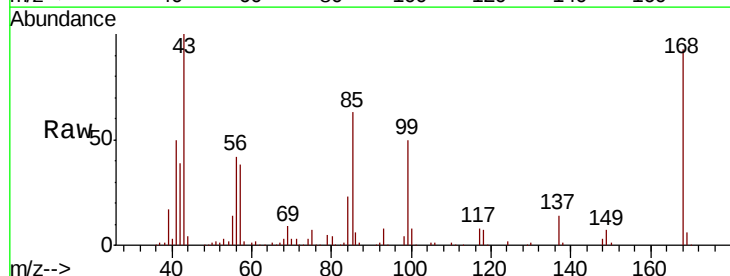
Instrument :
MSVOA_U
ClientSampleId :
KY001SB103-121118-(20-22)ME

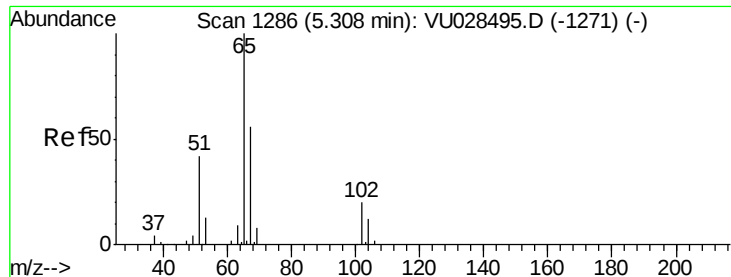
Tgt Ion: 83 Resp: 6016
Ion Ratio Lower Upper
83 100
85 69.1 53.6 80.4



#31
Cyclohexane
Concen: 17.125 ug/l
RT: 4.97 min Scan# 1182
Delta R.T. -0.02 min
Lab File: VU028929.D
Acq: 22 Dec 2018 21:03

Tgt Ion: 56 Resp: 86500
Ion Ratio Lower Upper
56 100
69 19.5 24.0 36.0#
84 53.6 59.7 89.5#

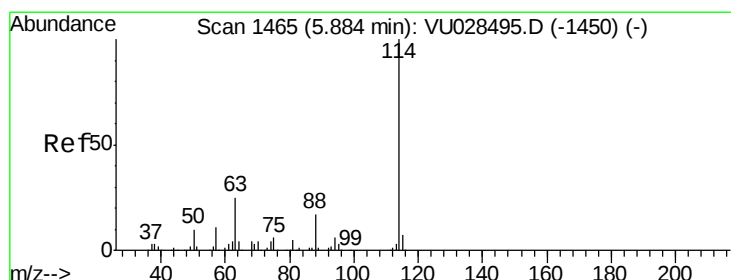
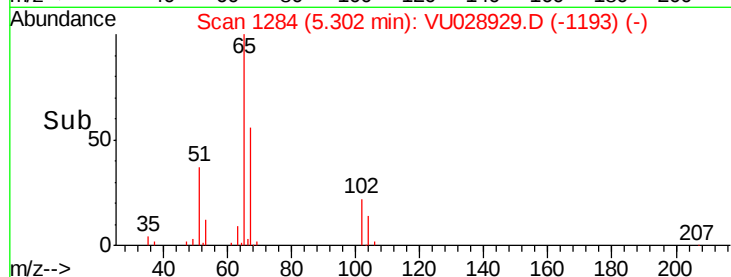
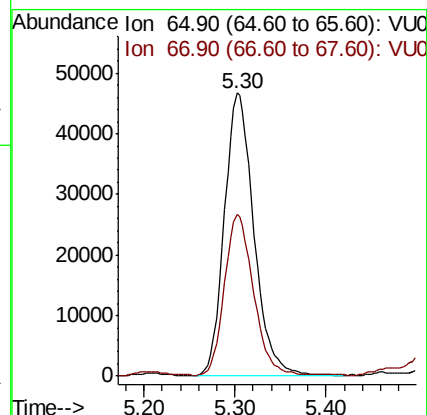
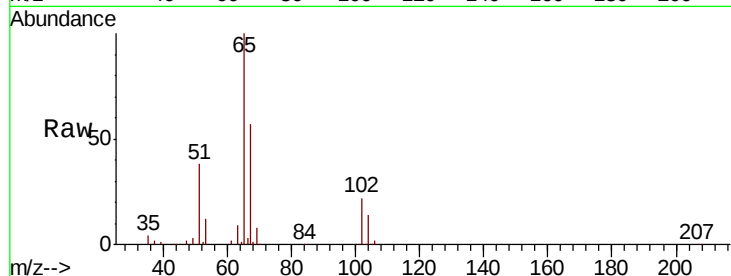




#33
 1,2-Dichloroethane-d4
 Concen: 37.522 ug/l
 RT: 5.30 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VU028929.D
 Acq: 22 Dec 2018 21:03

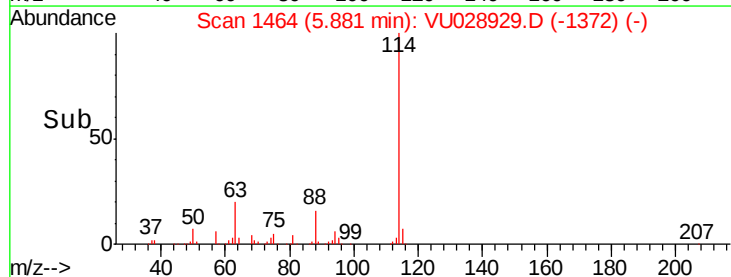
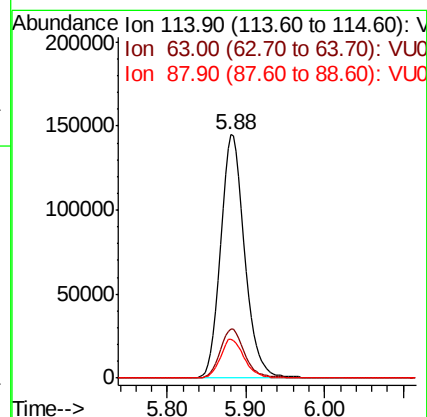
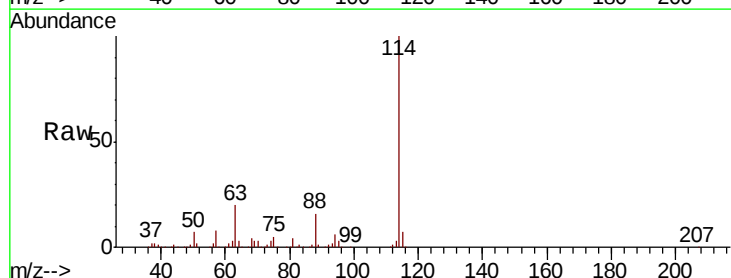
Instrument :
 MSVOA_U
 ClientSampleId :
 KY001SB103-121118-(20-22)ME

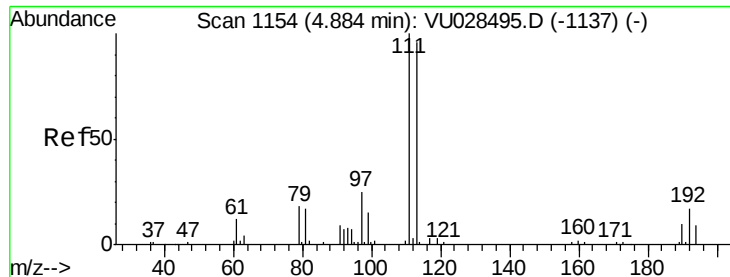
Tgt Ion: 65 Resp: 105684
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: VU028929.D
 Acq: 22 Dec 2018 21:03

Tgt Ion: 114 Resp: 303731
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 49.2
 88 16.2 0.0 33.4

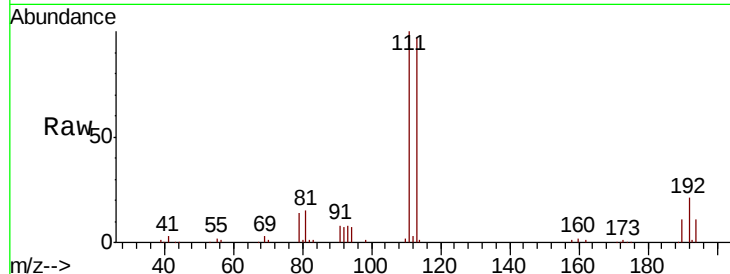




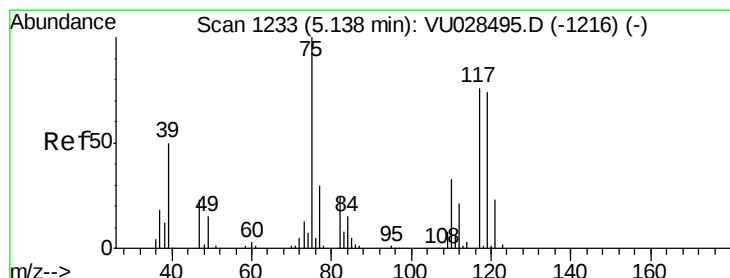
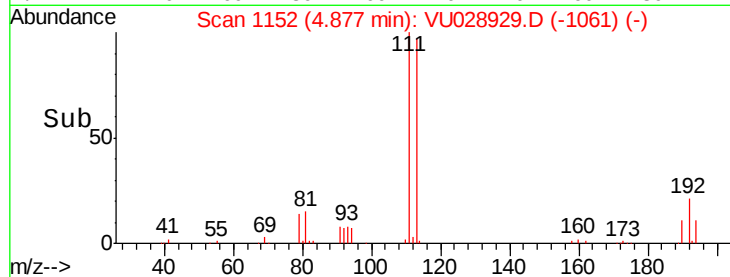
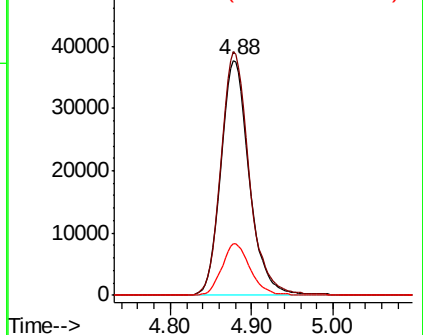
#35
 Dibromofluoromethane
 Concen: 48.491 ug/l
 RT: 4.88 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: VU028929.D
 Acq: 22 Dec 2018 21:03

Instrument :
 MSVOA_U
 ClientSampleId :
 KY001SB103-121118-(20-22)ME

Tgt Ion: 113 Resp: 92685
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.4 125.0
 192 21.7 14.8 22.2

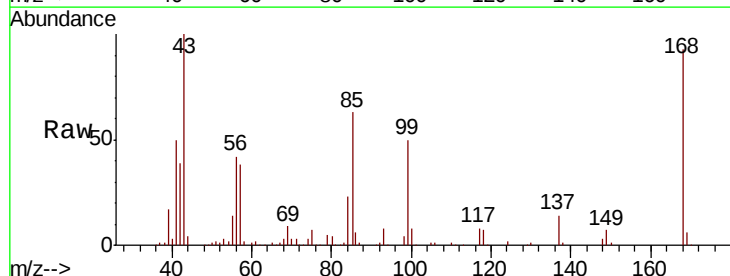


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

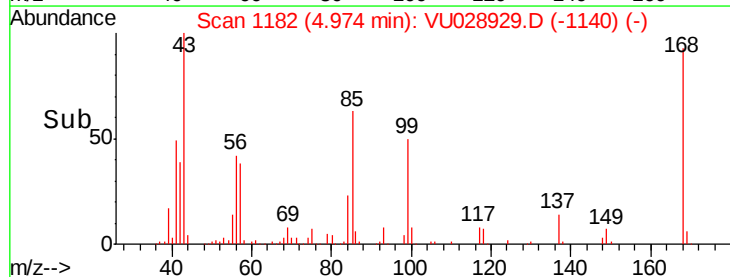
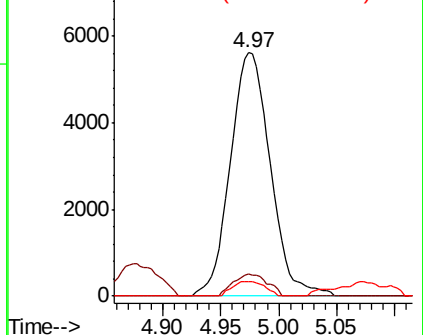


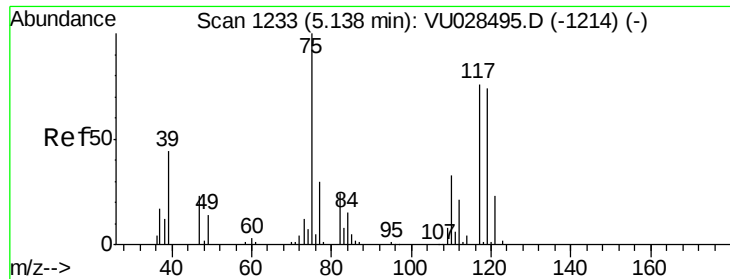
#36
 1,1-Dichloropropene
 Concen: 4.047 ug/l
 RT: 4.97 min Scan# 1182
 Delta R.T. -0.16 min
 Lab File: VU028929.D
 Acq: 22 Dec 2018 21:03

Tgt Ion: 75 Resp: 13451
 Ion Ratio Lower Upper
 75 100
 110 7.6 16.1 48.2#
 77 4.8 24.5 36.7#



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

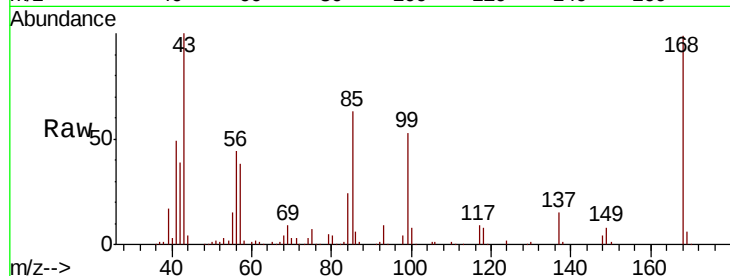




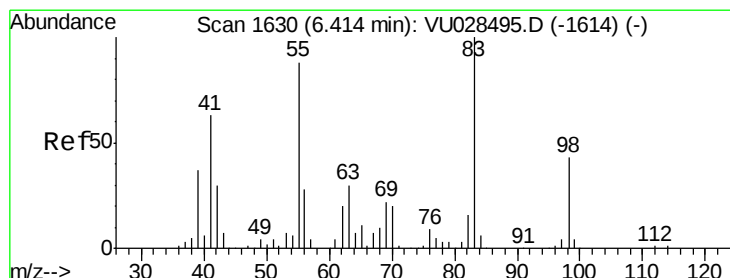
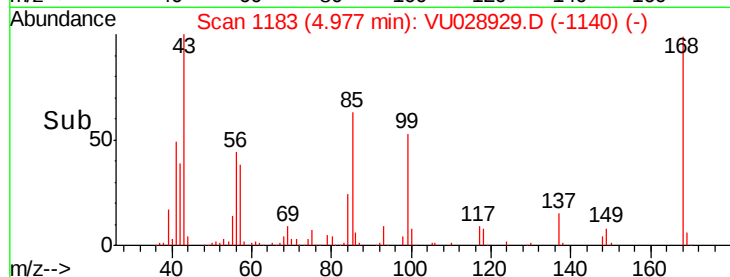
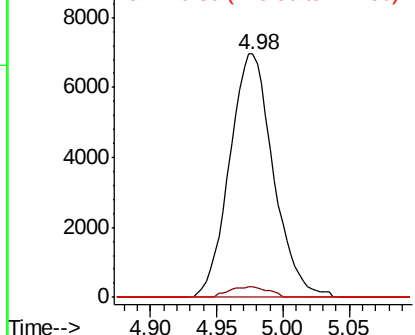
#38
Carbon Tetrachloride
Concen: 5.963 ug/l
RT: 4.98 min Scan# 1183
Delta R.T. -0.16 min
Lab File: VU028929.D
Acq: 22 Dec 2018 21:03

Instrument :
MSVOA_U
ClientSampleId :
KY001SB103-121118-(20-22)ME

Tgt Ion: 117 Resp: 15973
Ion Ratio Lower Upper
117 100
119 4.4 77.6 116.4#
121 0.0 24.6 36.8#

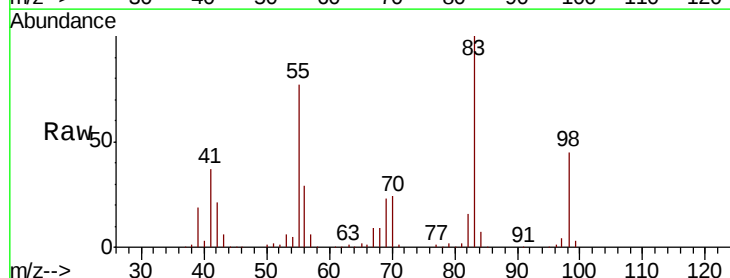


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

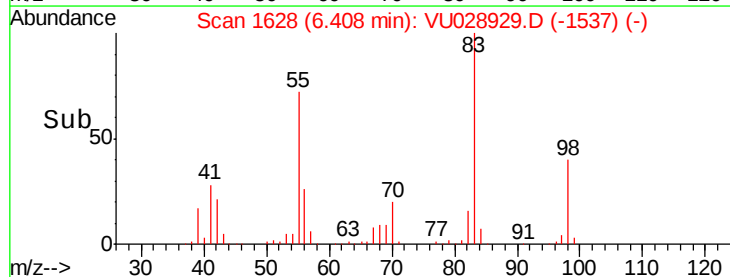
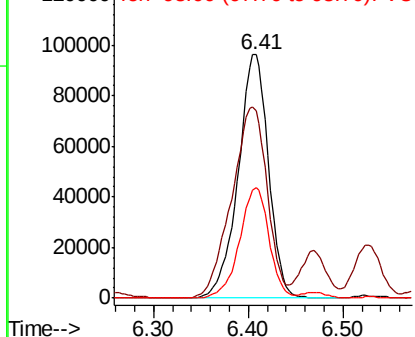


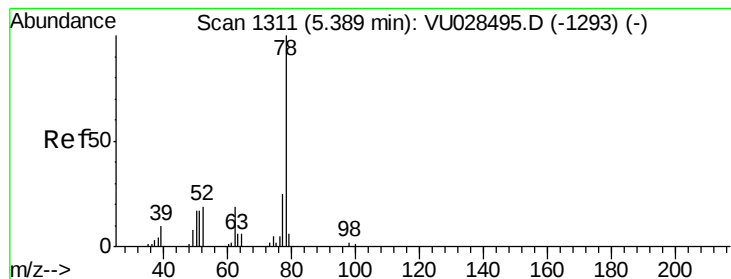
#39
Methylcyclohexane
Concen: 52.952 ug/l
RT: 6.41 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VU028929.D
Acq: 22 Dec 2018 21:03

Tgt Ion: 83 Resp: 214712
Ion Ratio Lower Upper
83 100
55 76.7 70.2 105.2
98 45.4 34.2 51.4



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





#40

Benzene

Concen: 6.050 ug/l

RT: 5.38 min Scan# 1309

Delta R.T. -0.01 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

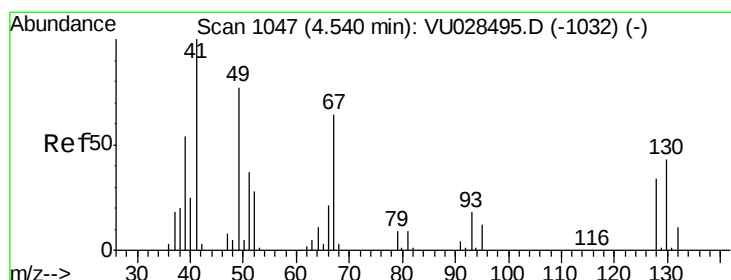
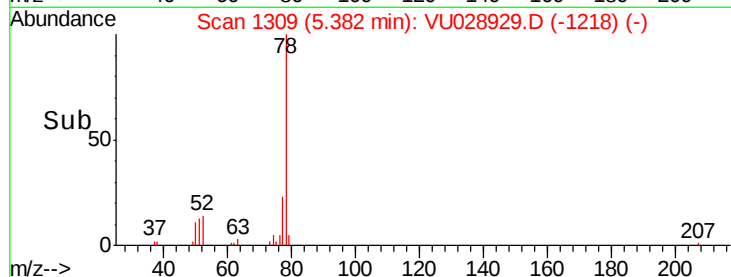
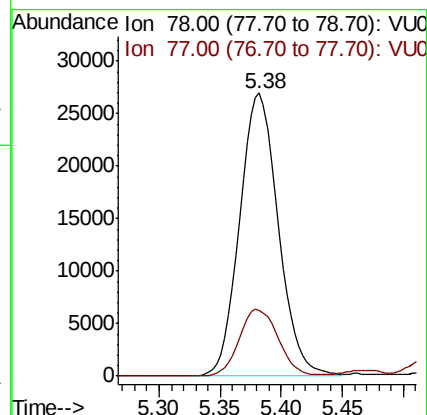
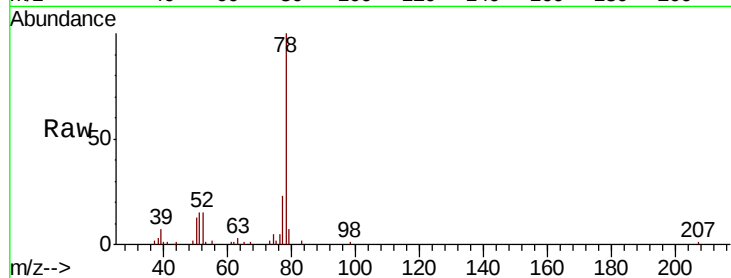
KY001SB103-121118-(20-22)ME

Tgt Ion: 78 Resp: 59225

Ion Ratio Lower Upper

78 100

77 23.4 19.9 29.9



#41

Methacrylonitrile

Concen: 0.505 ug/l

RT: 4.57 min Scan# 1056

Delta R.T. 0.03 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

Tgt Ion: 41 Resp: 1188

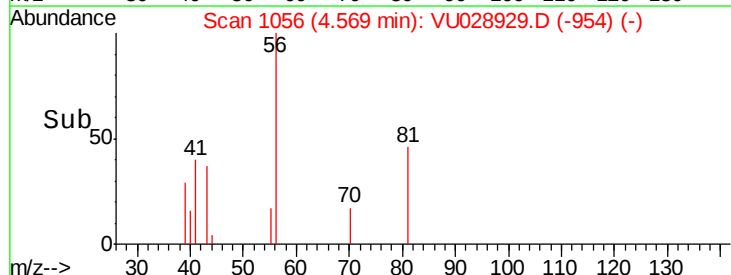
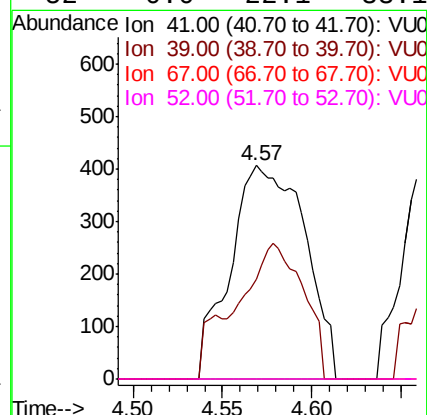
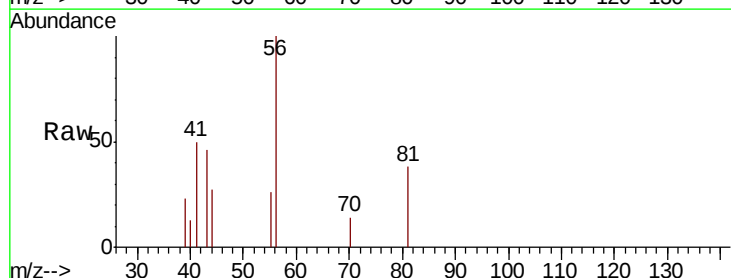
Ion Ratio Lower Upper

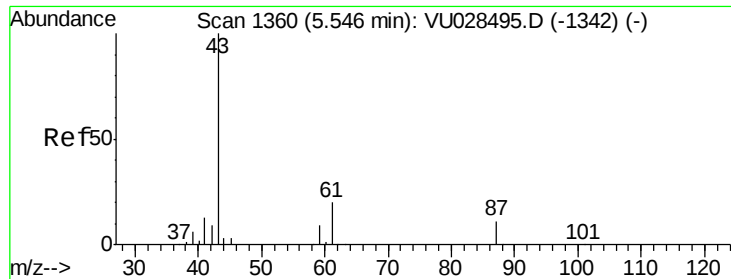
41 100

39 48.4 43.3 64.9

67 0.0 53.6 80.4#

52 0.0 22.1 33.1#





#43

Isopropyl Acetate

Concen: 69.795 ug/l

RT: 5.53 min Scan# 1354

Delta R.T. -0.02 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

KY001SB103-121118-(20-22)ME

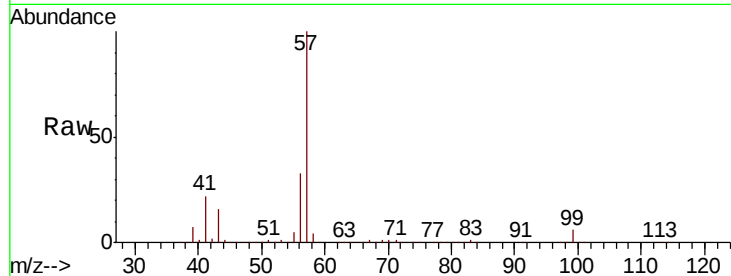
Tgt Ion: 43 Resp: 474318

Ion Ratio Lower Upper

43 100

61 0.0 15.5 23.3#

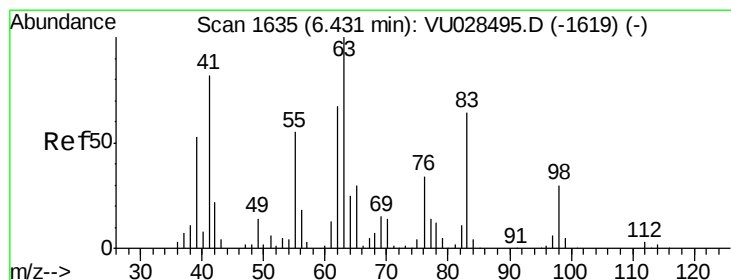
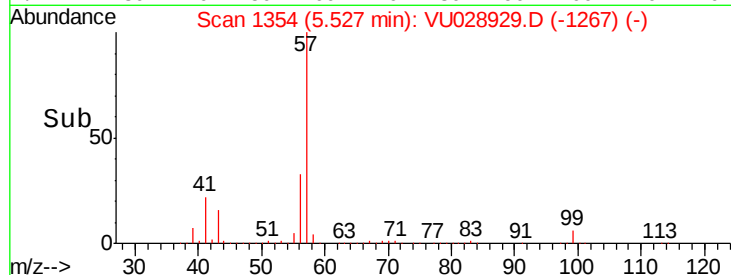
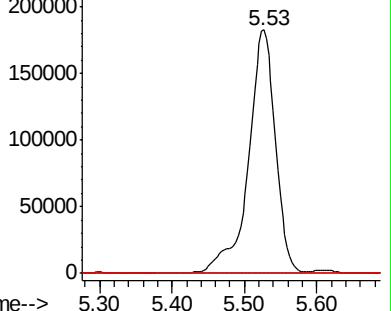
87 0.0 8.7 13.1#



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



#45

1,2-Dichloropropane

Concen: 0.766 ug/l

RT: 6.41 min Scan# 1628

Delta R.T. -0.02 min

Lab File: VU028929.D

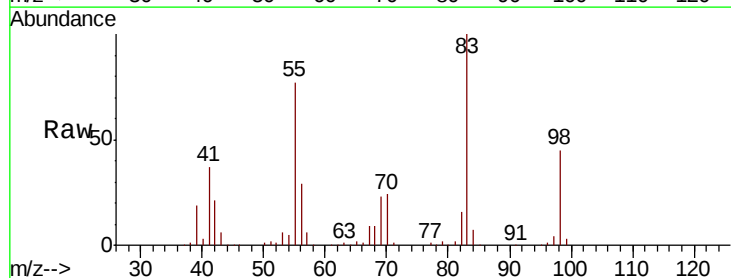
Acq: 22 Dec 2018 21:03

Tgt Ion: 63 Resp: 2108

Ion Ratio Lower Upper

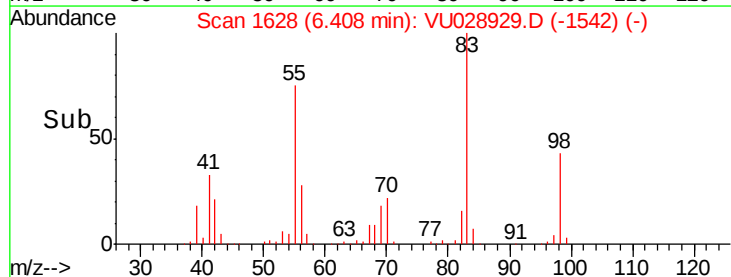
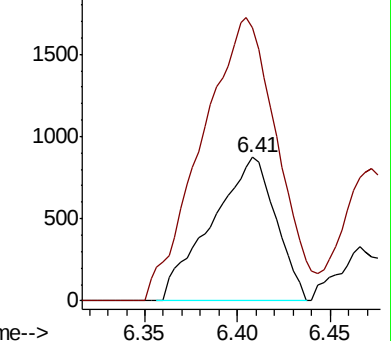
63 100

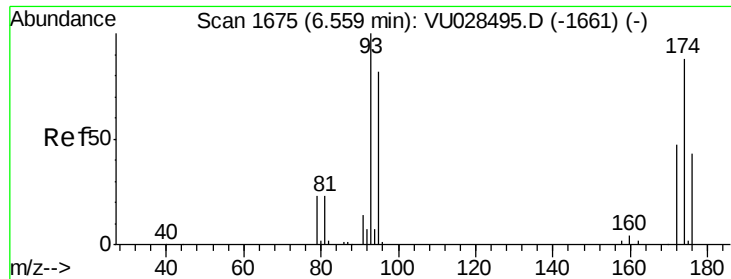
65 166.6 24.2 36.4#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0





#46

Dibromomethane

Concen: 0.323 ug/l

RT: 6.53 min Scan# 1665

Delta R.T. -0.03 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

KY001SB103-121118-(20-22)ME

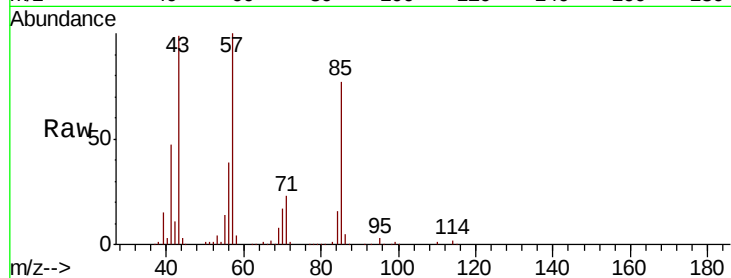
Tgt Ion: 93 Resp: 528

Ion Ratio Lower Upper

93 100

95 1309.7 65.4 98.2#

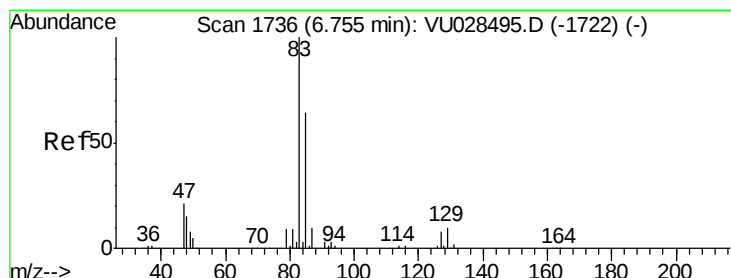
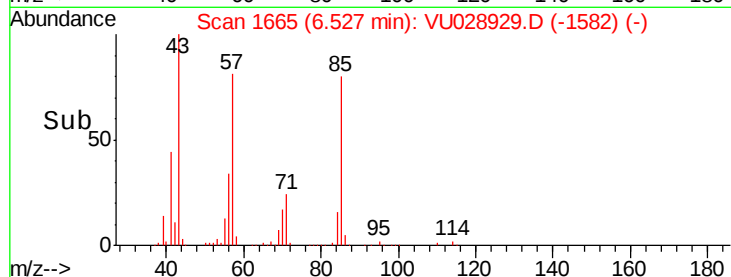
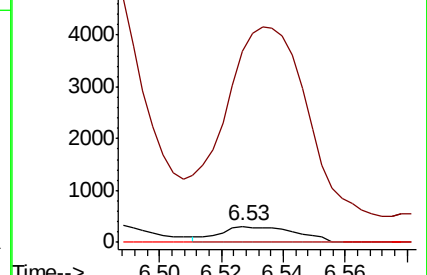
174 0.0 72.2 108.4#



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 0.969 ug/l

RT: 6.70 min Scan# 1720

Delta R.T. -0.05 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

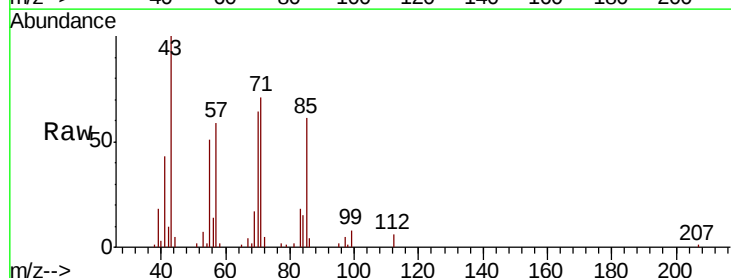
Tgt Ion: 83 Resp: 3081

Ion Ratio Lower Upper

83 100

85 401.3 51.5 77.3#

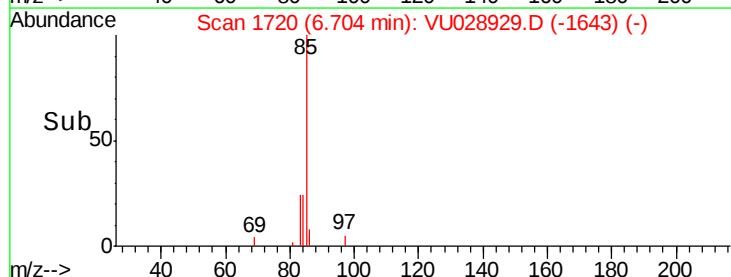
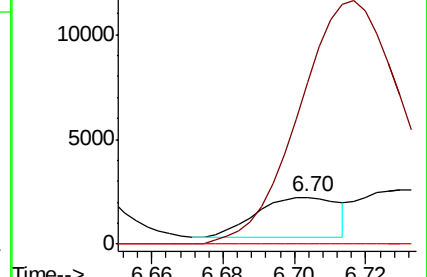
127 0.0 6.2 9.4#

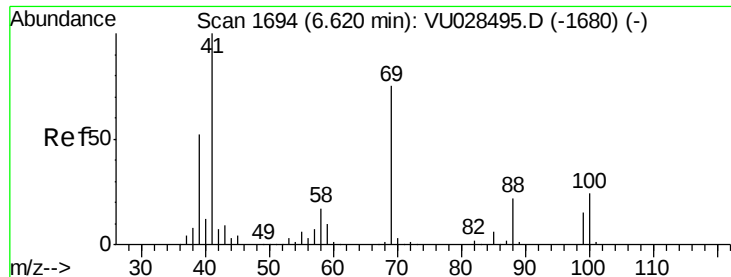


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V





#48

Methyl methacrylate

Concen: 9.350 ug/l

RT: 6.63 min Scan# 1698

Delta R.T. 0.01 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

KY001SB103-121118-(20-22)ME

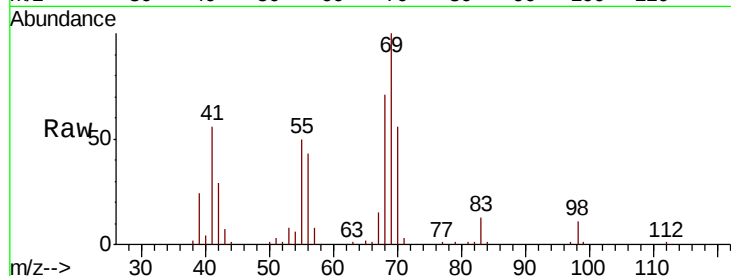
Tgt Ion: 41 Resp: 31598

Ion Ratio Lower Upper

41 100

69 185.4 60.4 90.6#

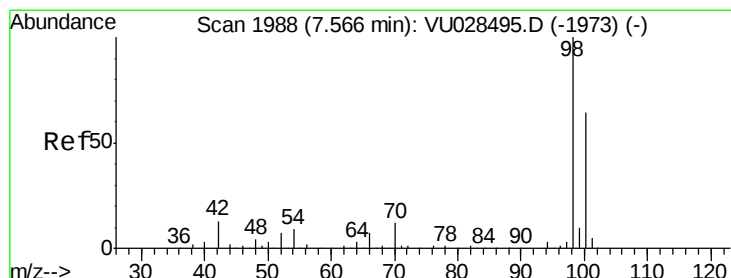
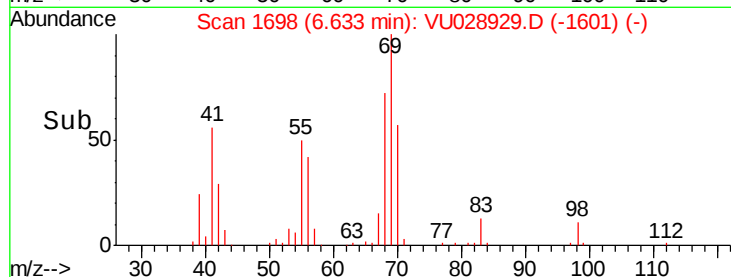
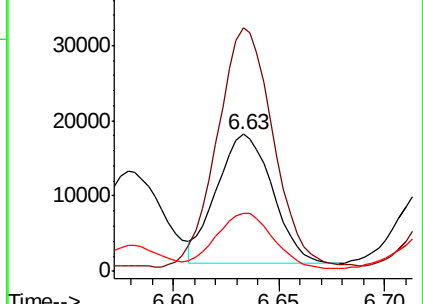
39 44.2 41.1 61.7



Abundance Ion 41.00 (40.70 to 41.70): VU028929.D (-1698) (-)

Ion 69.00 (68.70 to 69.70): VU028929.D (-1698) (-)

Ion 39.00 (38.70 to 39.70): VU028929.D (-1698) (-)



#50

Toluene-d8

Concen: 52.202 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028929.D

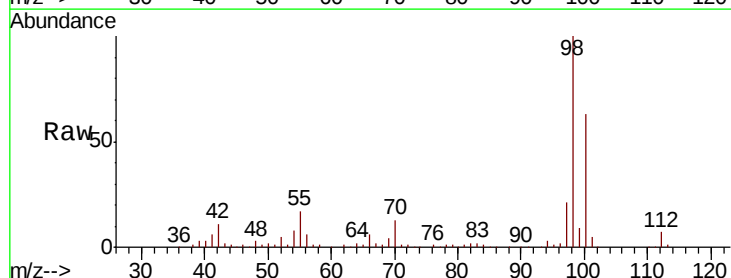
Acq: 22 Dec 2018 21:03

Tgt Ion: 98 Resp: 394711

Ion Ratio Lower Upper

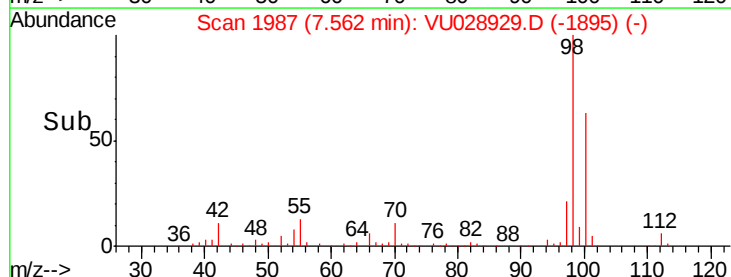
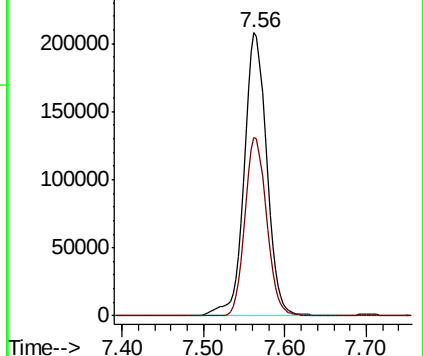
98 100

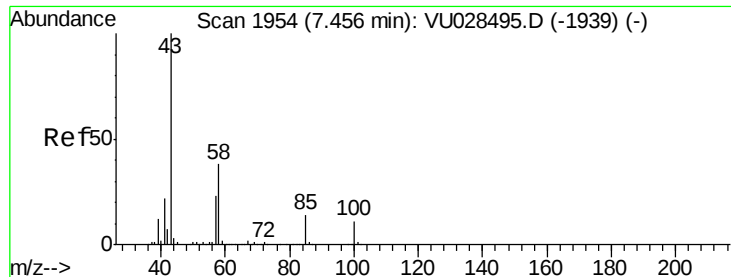
100 60.5 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028929.D (-1987) (-)

Ion 100.00 (99.70 to 100.70): VU028929.D (-1987) (-)





#51

4-Methyl-2-Pentanone

Concen: 16.581 ug/l

RT: 7.52 min Scan# 1973

Delta R.T. 0.06 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

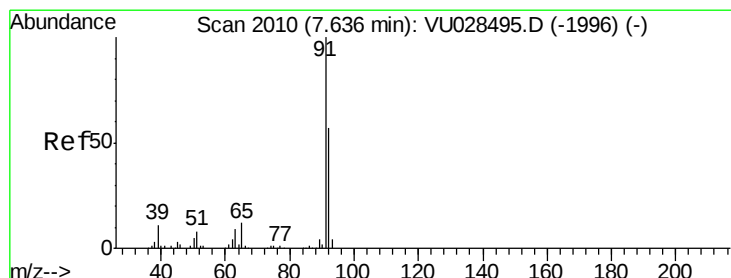
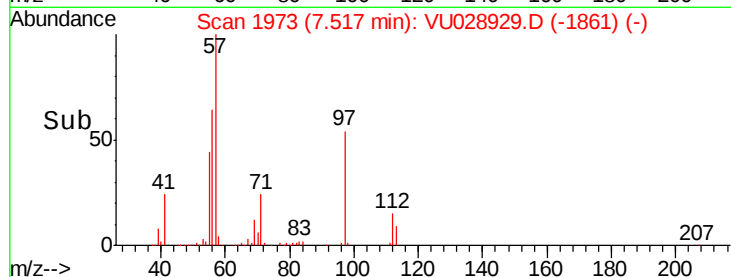
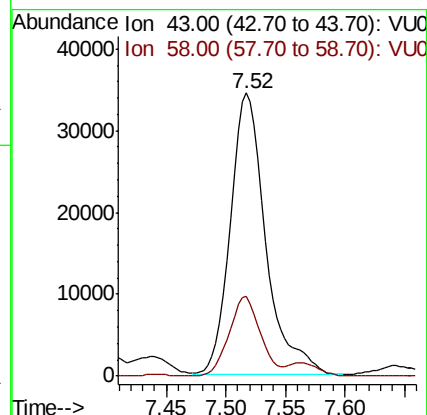
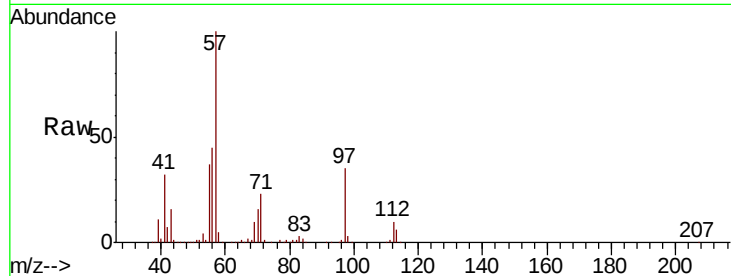
KY001SB103-121118-(20-22)ME

Tgt Ion: 43 Resp: 71070

Ion Ratio Lower Upper

43 100

58 25.4 30.2 45.2#



#52

Toluene

Concen: 2.698 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028929.D

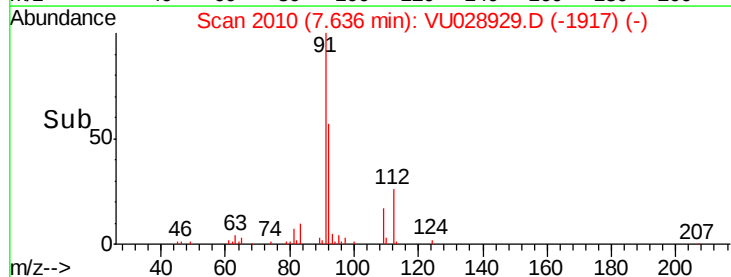
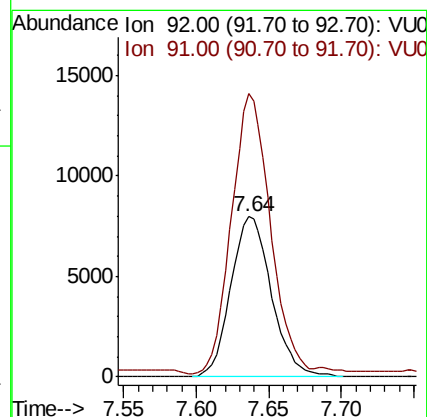
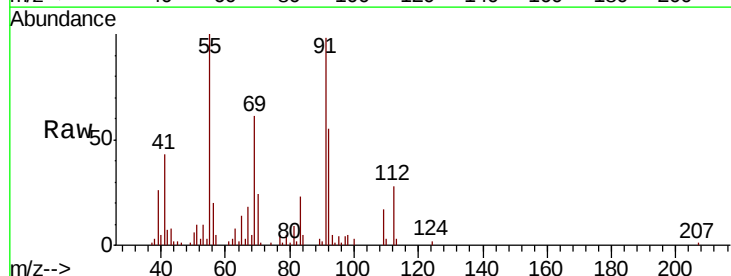
Acq: 22 Dec 2018 21:03

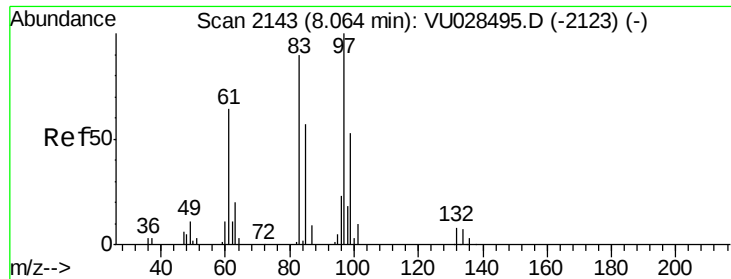
Tgt Ion: 92 Resp: 15545

Ion Ratio Lower Upper

92 100

91 167.2 140.2 210.4

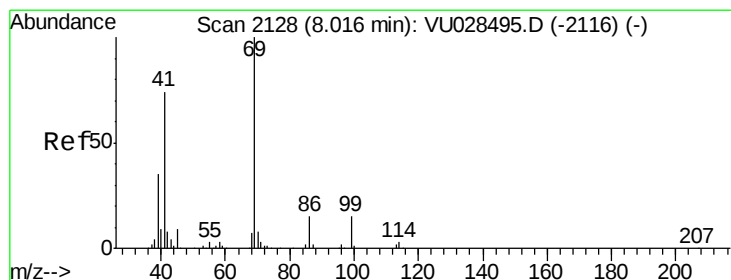
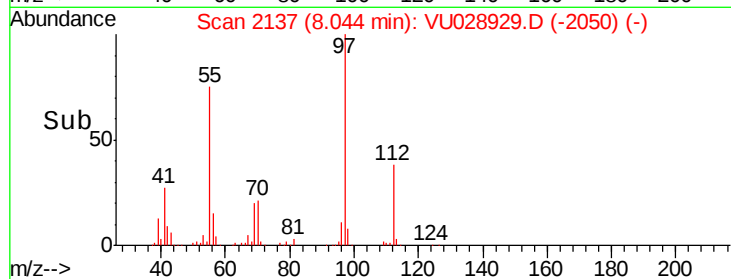
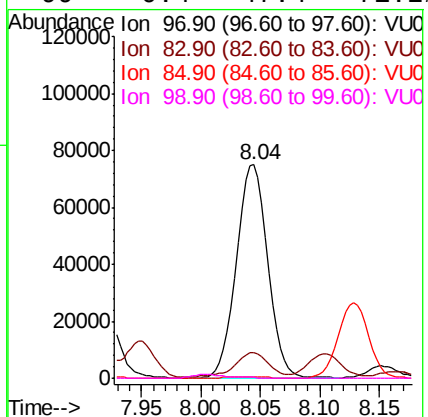
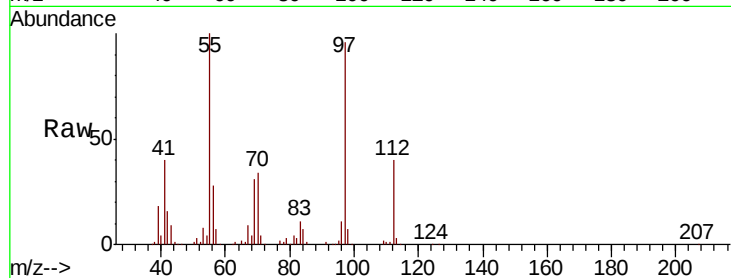




#55
 1,1,2-Trichloroethane
 Concen: 60.441 ug/l
 RT: 8.04 min Scan# 2137
 Delta R.T. -0.02 min
 Lab File: VU028929.D
 Acq: 22 Dec 2018 21:03

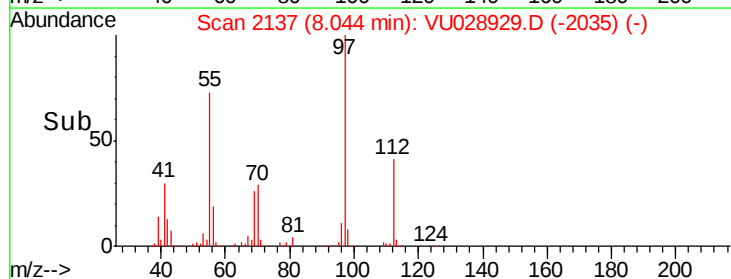
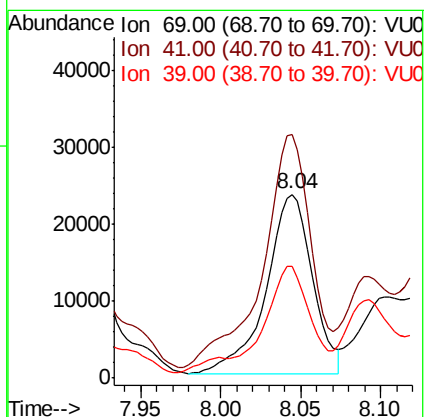
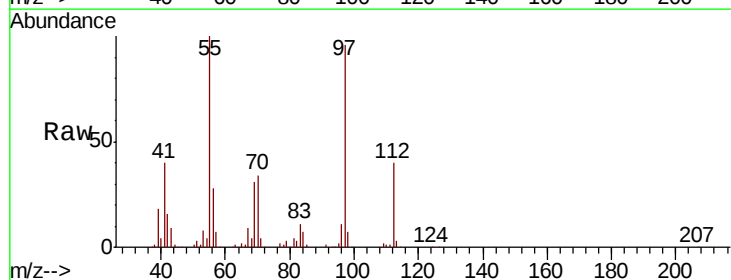
Instrument :
 MSVOA_U
 ClientSampleId :
 KY001SB103-121118-(20-22)ME

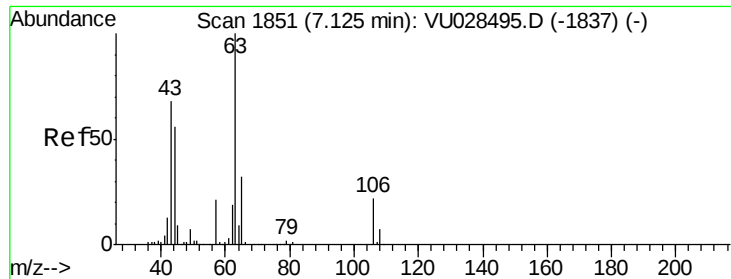
Tgt Ion: 97 Resp: 137642
 Ion Ratio Lower Upper
 97 100
 83 11.5 72.4 108.6#
 85 0.6 46.0 69.0#
 99 0.4 47.4 71.2#



#56
 Ethyl methacrylate
 Concen: 11.980 ug/l
 RT: 8.04 min Scan# 2137
 Delta R.T. 0.03 min
 Lab File: VU028929.D
 Acq: 22 Dec 2018 21:03

Tgt Ion: 69 Resp: 46719
 Ion Ratio Lower Upper
 69 100
 41 135.5 59.1 88.7#
 39 62.8 28.4 42.6#

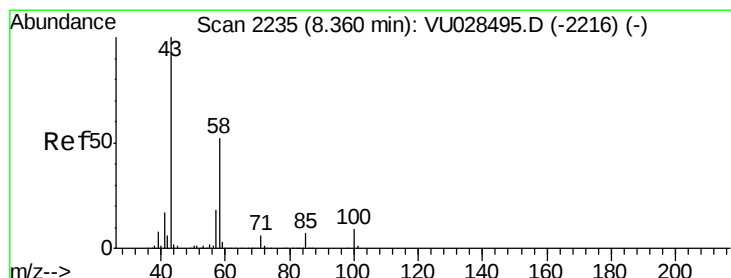
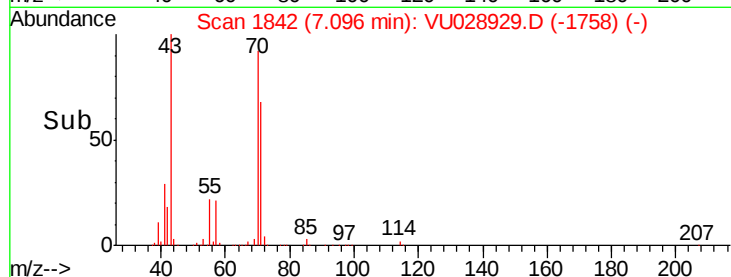
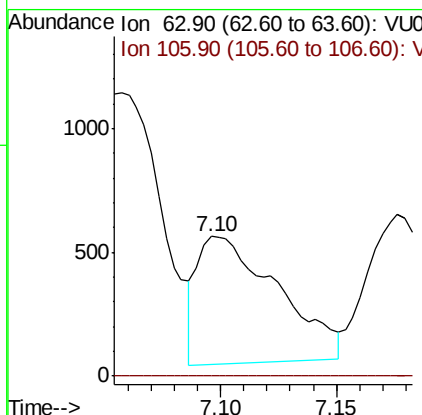
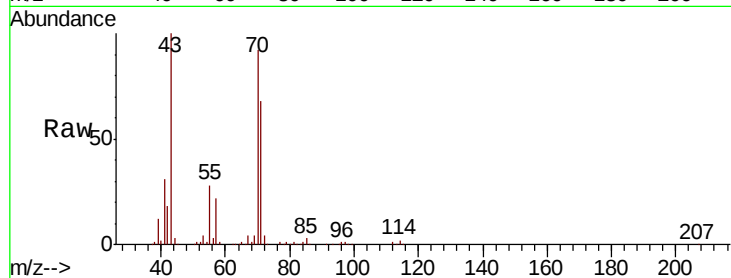




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.618 ug/l
 RT: 7.10 min Scan# 1842
 Delta R.T. -0.03 min
 Lab File: VU028929.D
 Acq: 22 Dec 2018 21:03

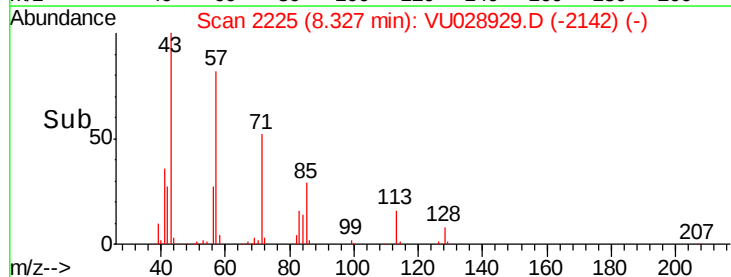
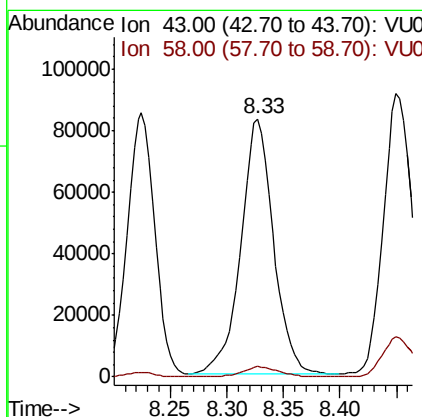
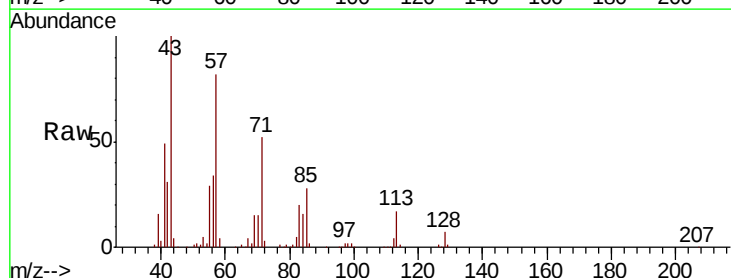
Instrument :
 MSVOA_U
 ClientSampleId :
 KY001SB103-121118-(20-22)ME

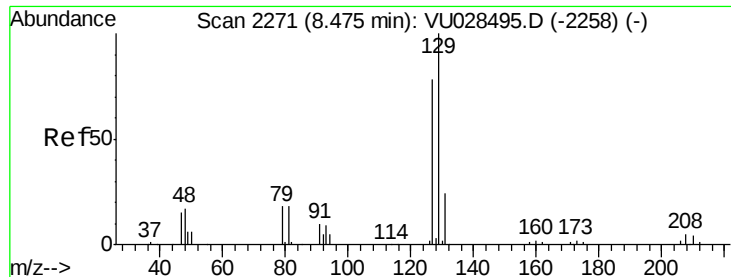
Tgt Ion: 63 Resp: 1235
 Ion Ratio Lower Upper
 63 100
 106 0.0 17.8 26.6#



#59
 2-Hexanone
 Concen: 49.222 ug/l
 RT: 8.33 min Scan# 2225
 Delta R.T. -0.03 min
 Lab File: VU028929.D
 Acq: 22 Dec 2018 21:03

Tgt Ion: 43 Resp: 167222
 Ion Ratio Lower Upper
 43 100
 58 4.6 25.9 77.6#





#60

Dibromochloromethane

Concen: 0.434 ug/l

RT: 8.45 min Scan# 2262

Delta R.T. -0.03 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

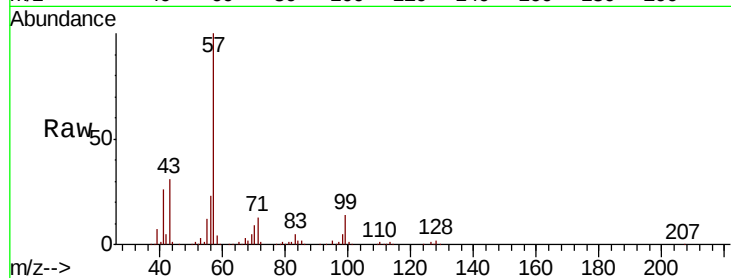
KY001SB103-121118-(20-22)ME

Tgt Ion:129 Resp: 968

Ion Ratio Lower Upper

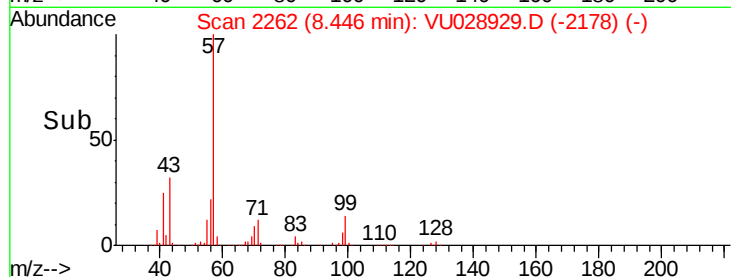
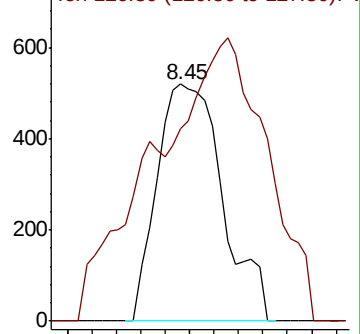
129 100

127 55.9 39.1 117.3

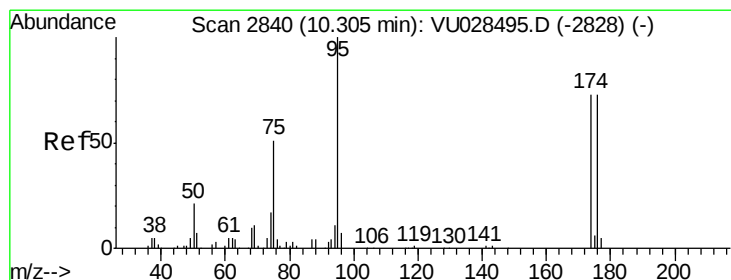


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time--> 8.40 8.45 8.50



#62

4-Bromofluorobenzene

Concen: 52.261 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. 0.01 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

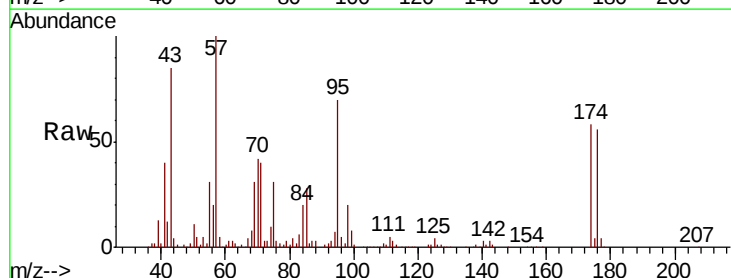
Tgt Ion: 95 Resp: 147694

Ion Ratio Lower Upper

95 100

174 82.5 0.0 150.4

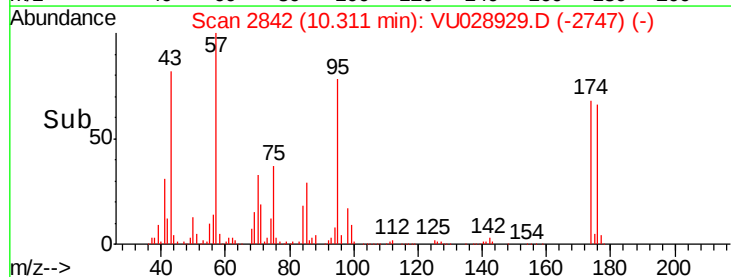
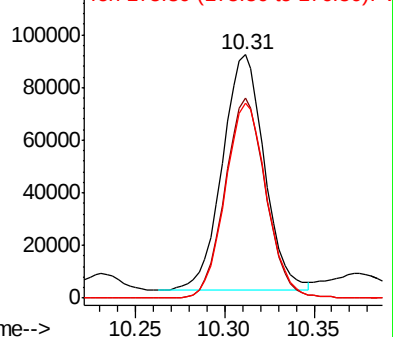
176 81.5 0.0 145.2



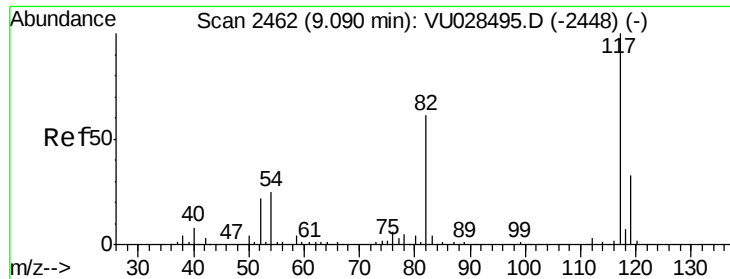
Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



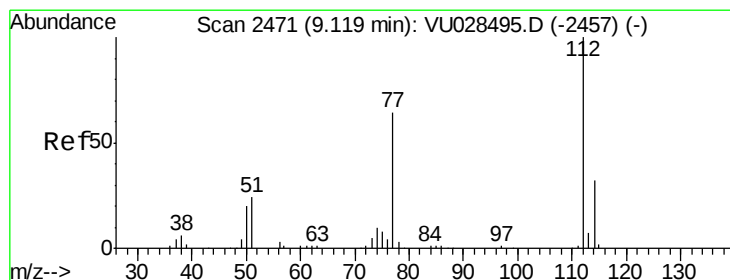
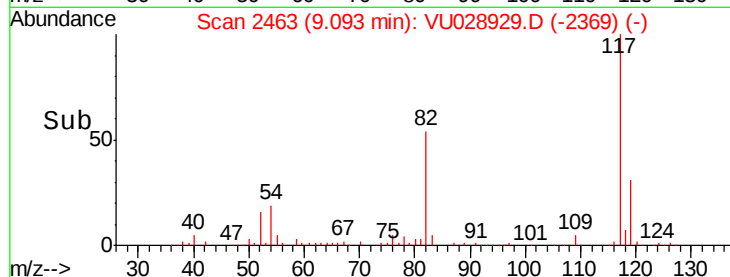
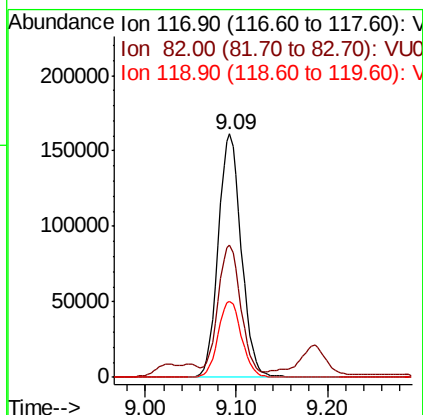
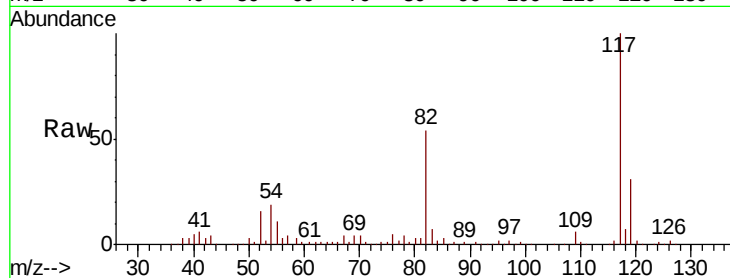
Time--> 10.25 10.30 10.35



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU028929.D
Acq: 22 Dec 2018 21:03

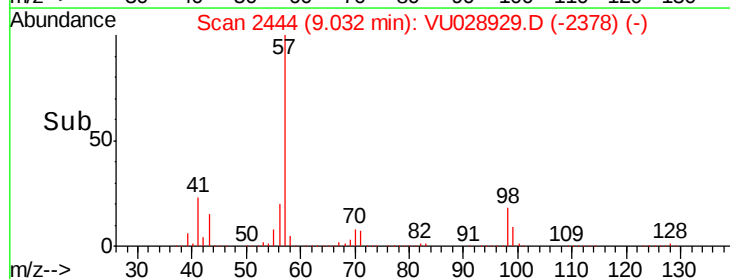
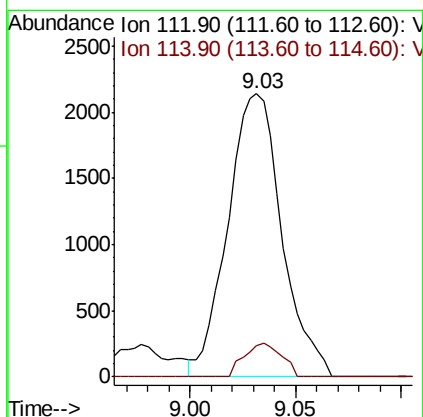
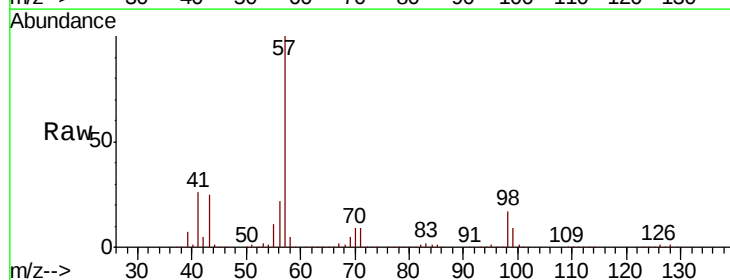
Instrument :
MSVOA_U
ClientSampleId :
KY001SB103-121118-(20-22)ME

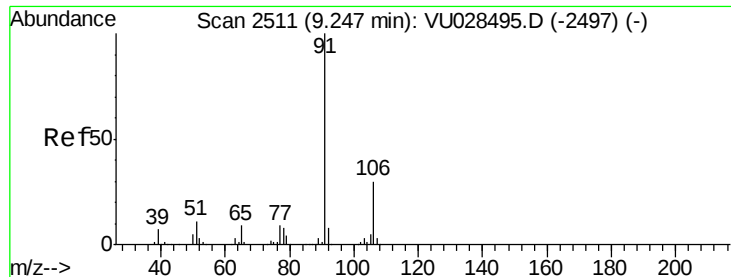
Tgt Ion:117 Resp: 283889
Ion Ratio Lower Upper
117 100
82 52.1 48.9 73.3
119 31.3 26.2 39.4



#65
Chlorobenzene
Concen: 0.630 ug/l
RT: 9.03 min Scan# 2444
Delta R.T. -0.09 min
Lab File: VU028929.D
Acq: 22 Dec 2018 21:03

Tgt Ion:112 Resp: 3810
Ion Ratio Lower Upper
112 100
114 11.1 25.3 37.9#





#67

Ethyl Benzene

Concen: 267.401 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

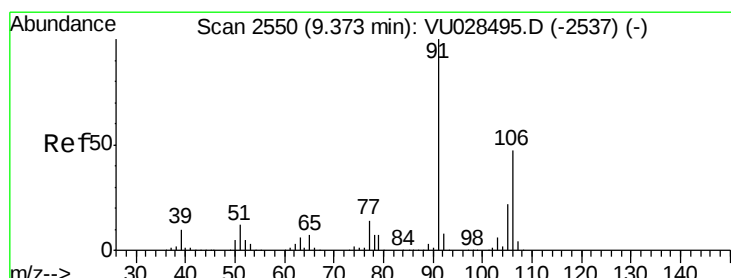
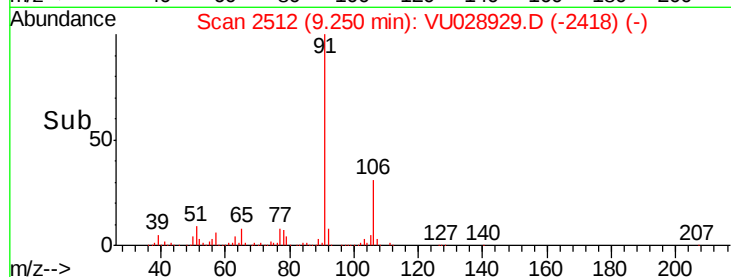
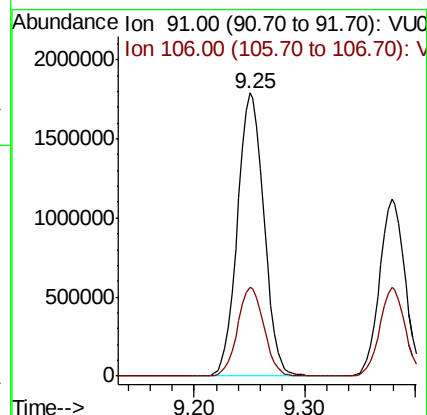
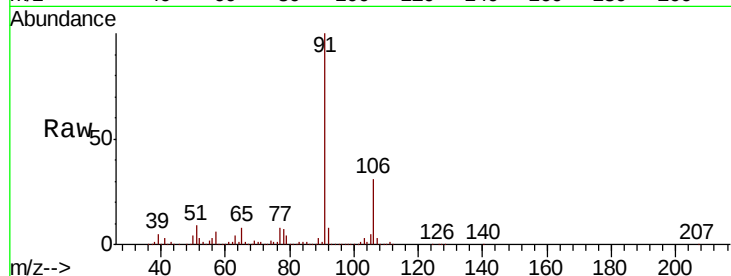
KY001SB103-121118-(20-22)ME

Tgt Ion: 91 Resp: 2973695

Ion Ratio Lower Upper

91 100

106 31.4 24.1 36.1



#68

m/p-Xylenes

Concen: 221.954 ug/l

RT: 9.38 min Scan# 2552

Delta R.T. 0.01 min

Lab File: VU028929.D

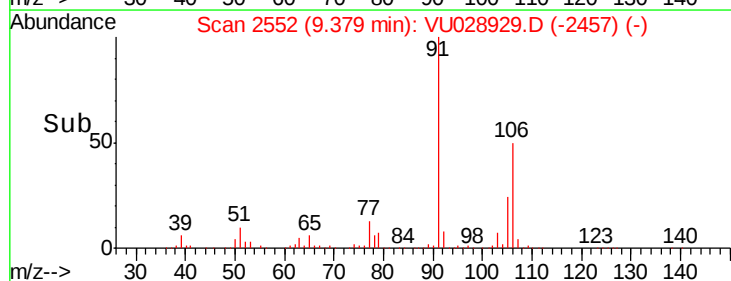
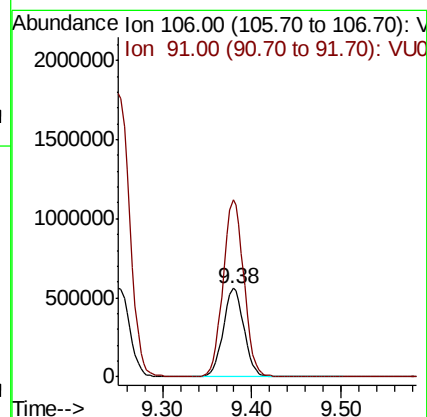
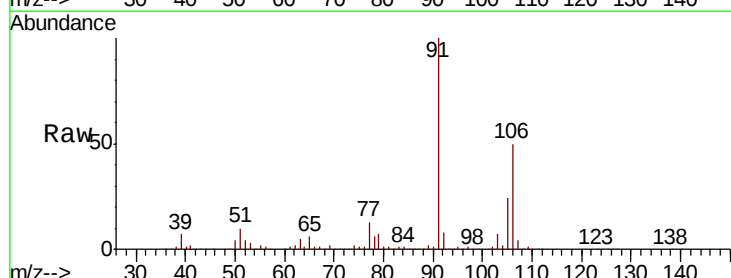
Acq: 22 Dec 2018 21:03

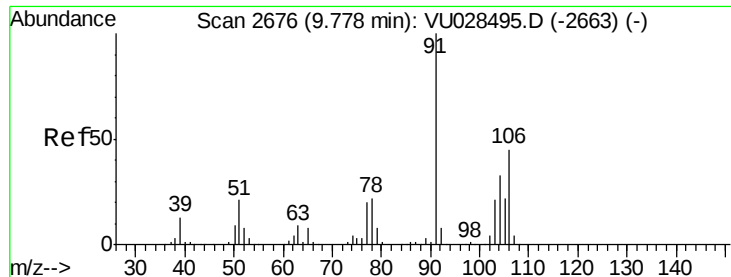
Tgt Ion: 106 Resp: 898145

Ion Ratio Lower Upper

106 100

91 201.6 167.4 251.0

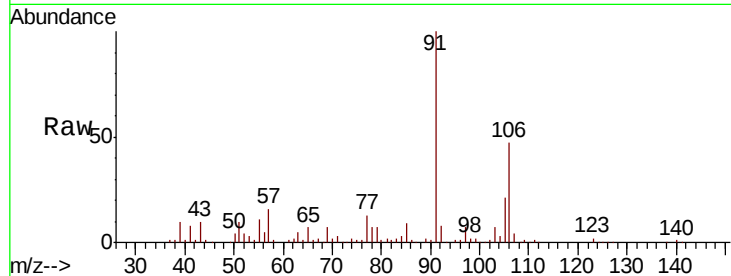




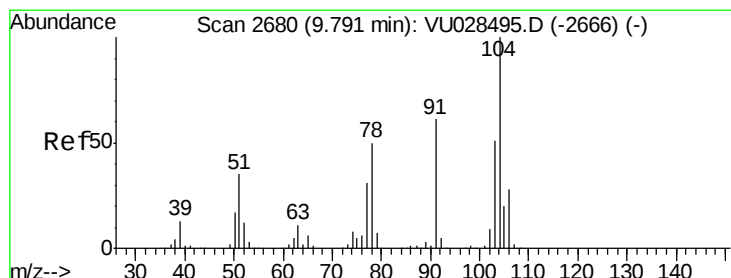
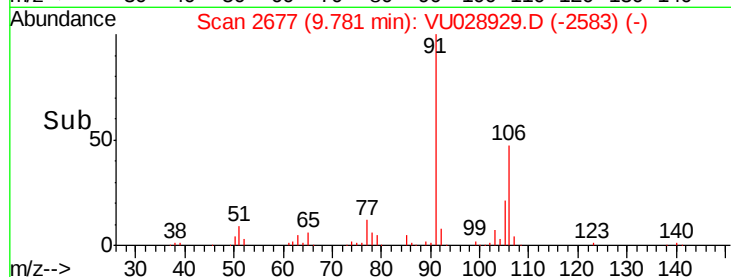
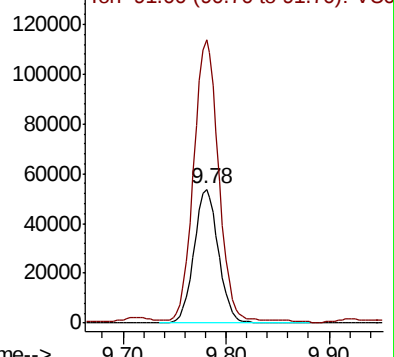
#69
o-Xylene
Concen: 22.611 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028929.D
Acq: 22 Dec 2018 21:03

Instrument :
MSVOA_U
ClientSampleId :
KY001SB103-121118-(20-22)ME

Tgt Ion:106 Resp: 88918
Ion Ratio Lower Upper
106 100
91 211.2 111.3 334.0

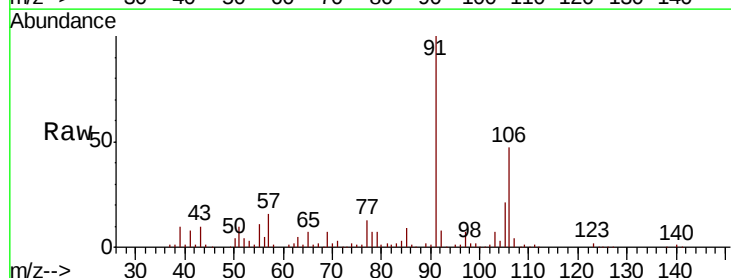


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

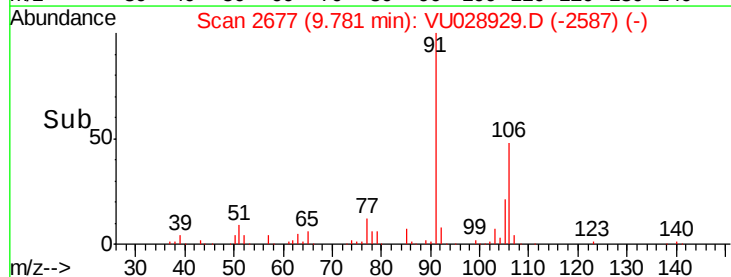
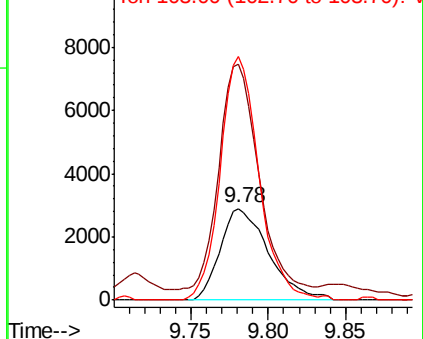


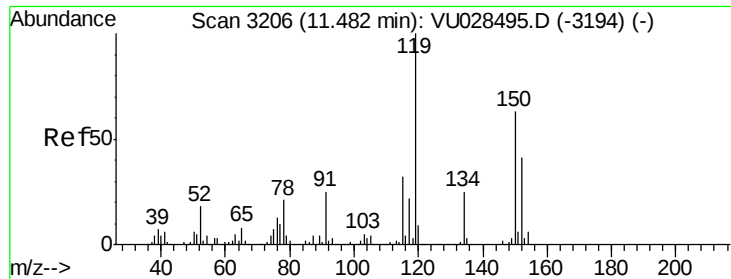
#70
Styrene
Concen: 0.970 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.01 min
Lab File: VU028929.D
Acq: 22 Dec 2018 21:03

Tgt Ion:104 Resp: 6310
Ion Ratio Lower Upper
104 100
78 205.2 43.0 64.6#
103 212.5 44.2 66.4#



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# 3207

Delta R.T. 0.00 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

KY001SB103-121118-(20-22)ME

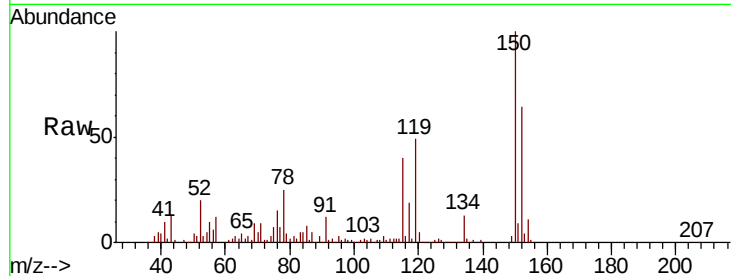
Tgt Ion:152 Resp: 145568

Ion Ratio Lower Upper

152 100

115 63.7 42.7 128.1

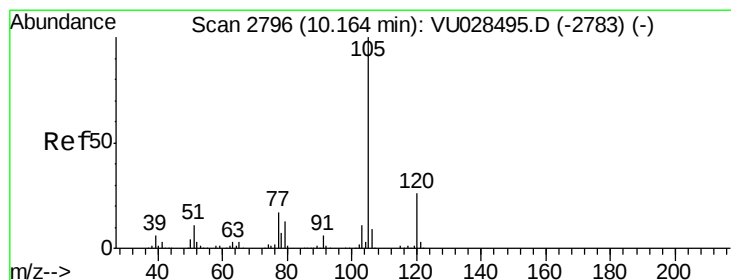
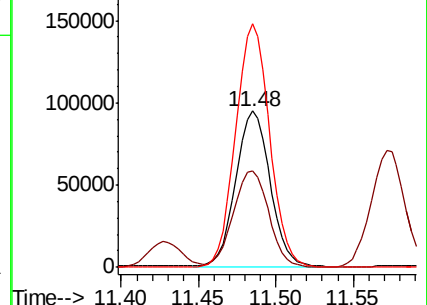
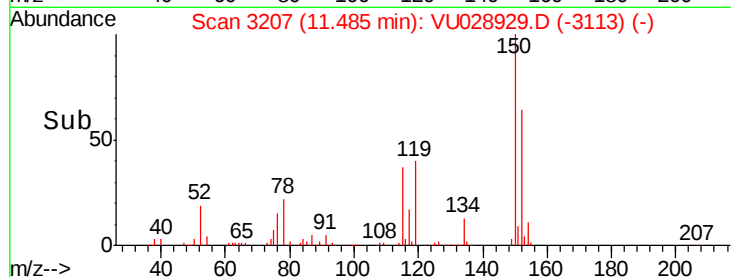
150 155.2 0.0 346.0



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



#73

Isopropylbenzene

Concen: 83.864 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028929.D

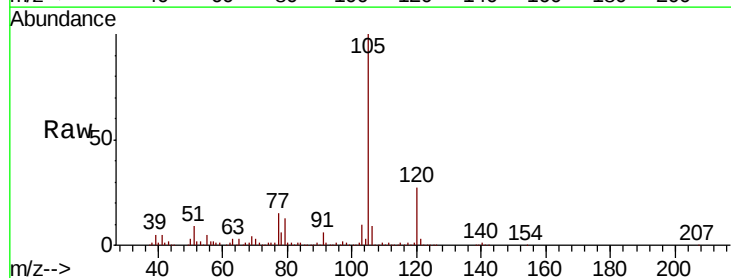
Acq: 22 Dec 2018 21:03

Tgt Ion:105 Resp: 936755

Ion Ratio Lower Upper

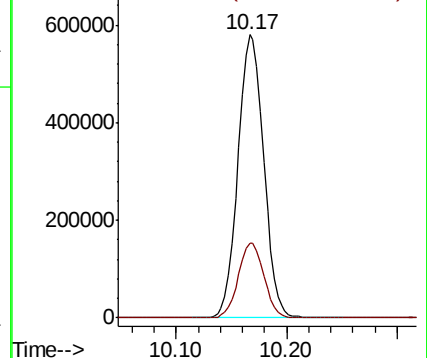
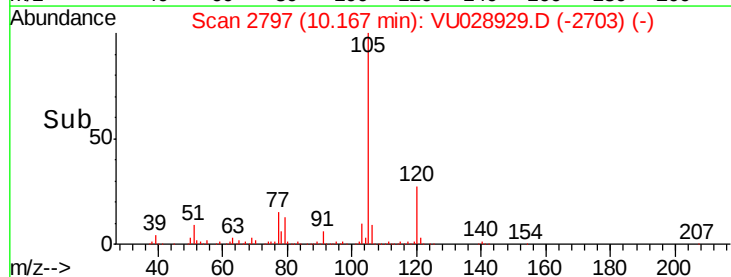
105 100

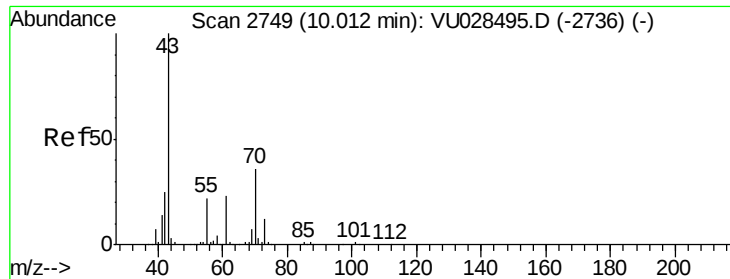
120 26.4 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 3.423 ug/l

RT: 10.01 min Scan# 2748

Delta R.T. -0.00 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

KY001SB103-121118-(20-22)ME

Tgt Ion: 43 Resp: 22054

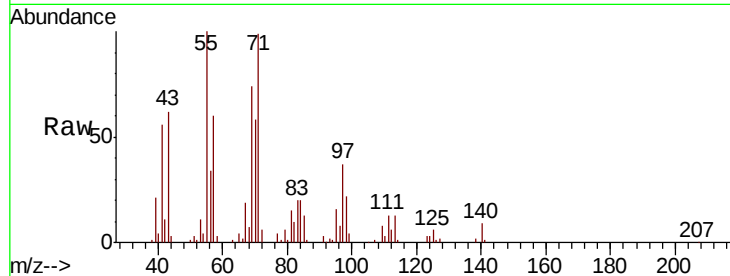
Ion Ratio Lower Upper

43 100

70 125.1 29.3 43.9#

55 0.0 18.0 27.0#

61 0.0 18.3 27.5#

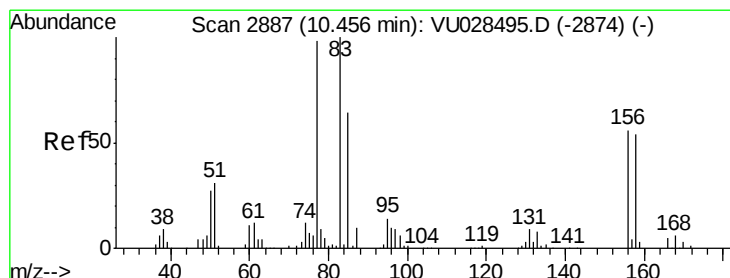
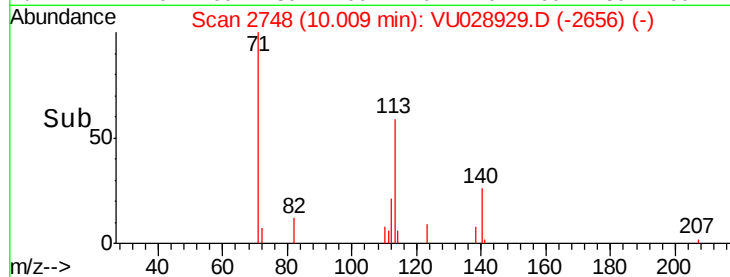
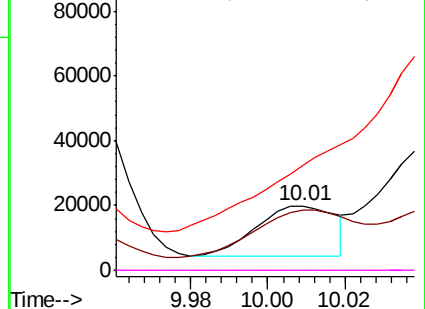


Abundance Ion 43.00 (42.70 to 43.70): VU0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 6.836 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

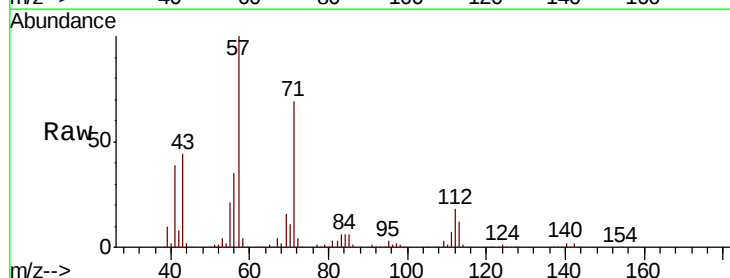
Tgt Ion: 83 Resp: 29333

Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.4#

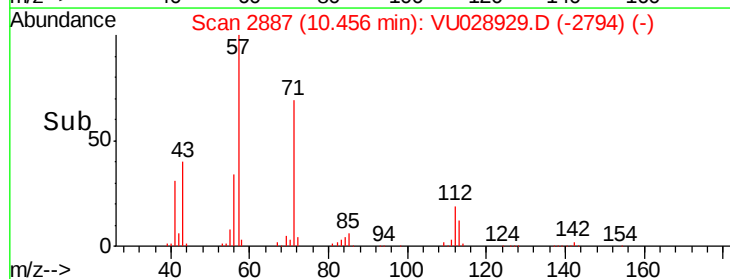
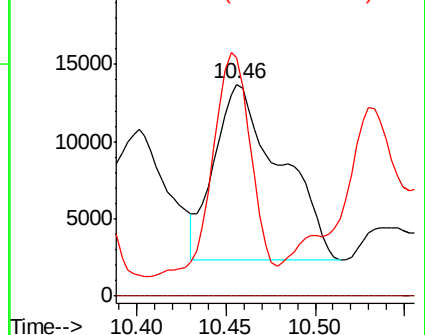
85 72.4 31.8 95.4

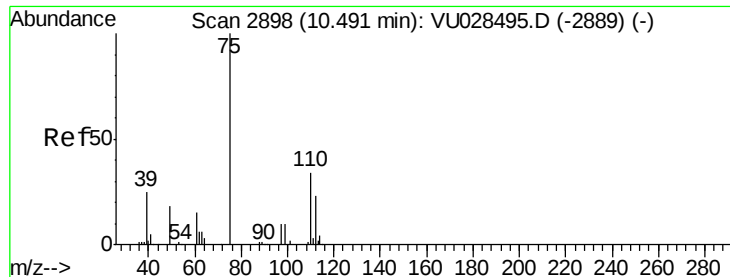


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0





#76

1,2,3-Trichloropropane

Concen: 4.550 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.10 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

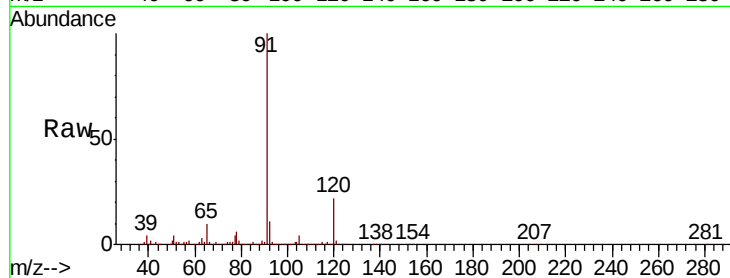
KY001SB103-121118-(20-22)ME

Tgt Ion: 75 Resp: 16914

Ion Ratio Lower Upper

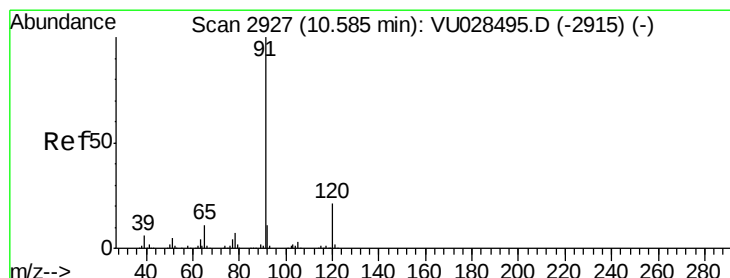
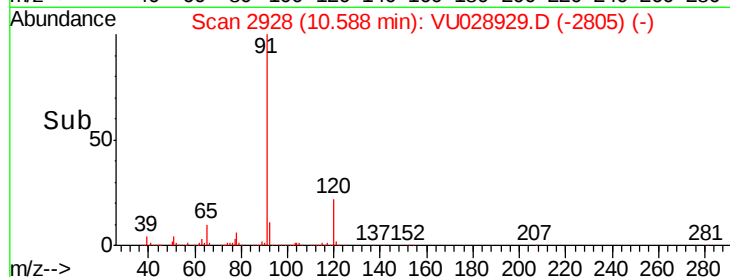
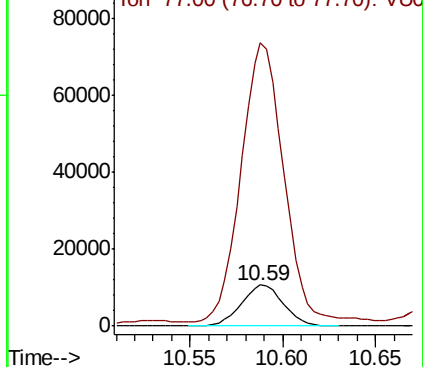
75 100

77 681.3 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#78

n-propylbenzene

Concen: 222.837 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028929.D

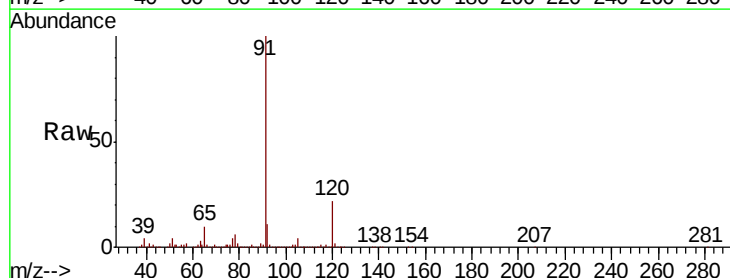
Acq: 22 Dec 2018 21:03

Tgt Ion: 91 Resp: 3092907

Ion Ratio Lower Upper

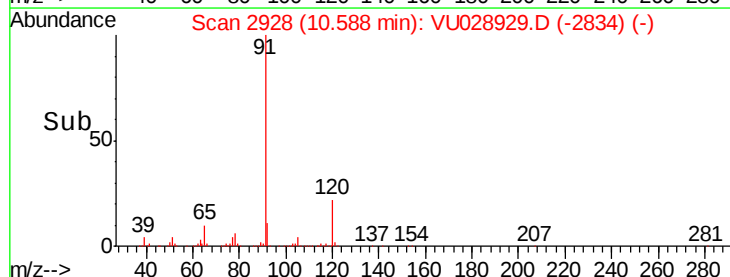
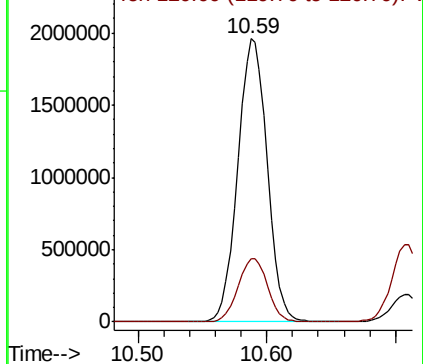
91 100

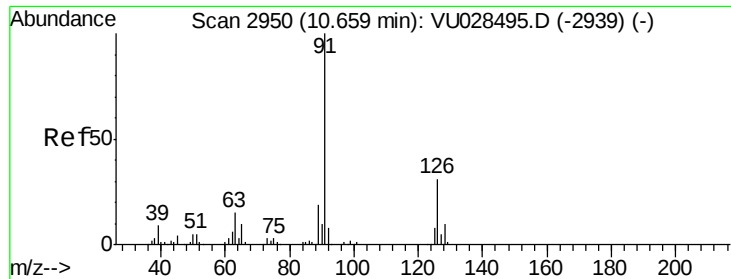
120 22.6 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 37.172 ug/l

RT: 10.71 min Scan# 2965

Delta R.T. 0.05 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

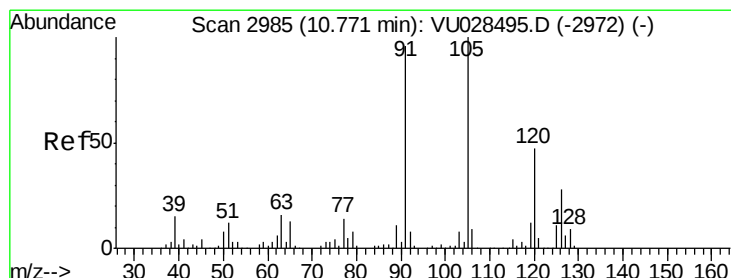
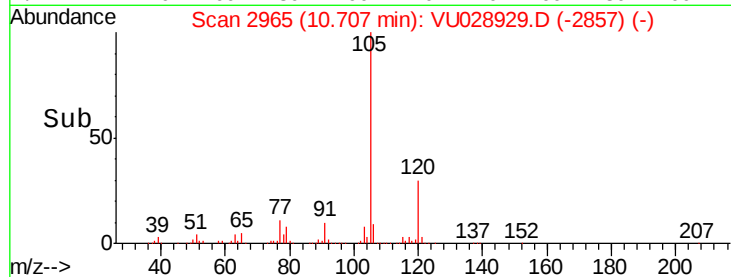
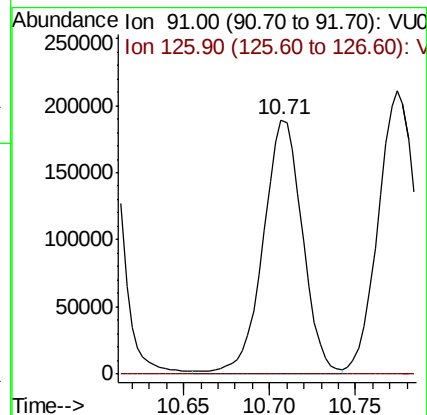
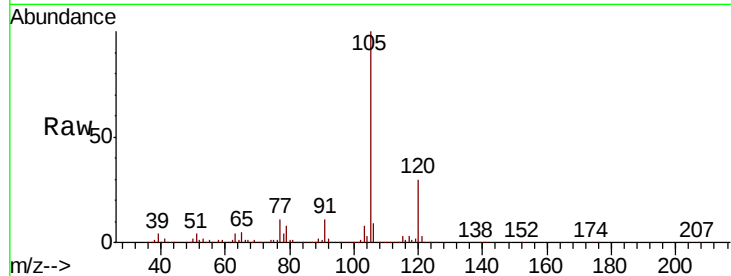
KY001SB103-121118-(20-22)ME

Tgt Ion: 91 Resp: 297193

Ion Ratio Lower Upper

91 100

126 0.2 15.6 46.8#



#80

1,3,5-Trimethylbenzene

Concen: 349.384 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU028929.D

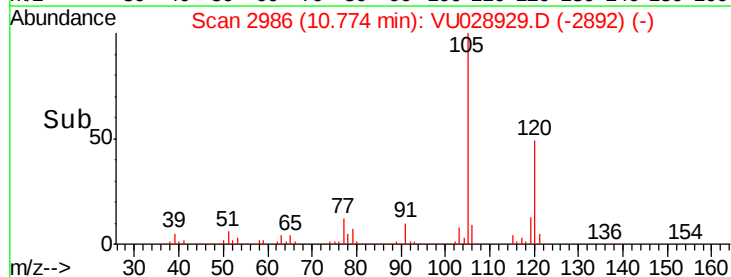
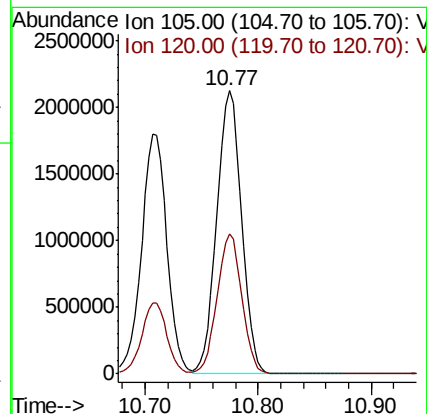
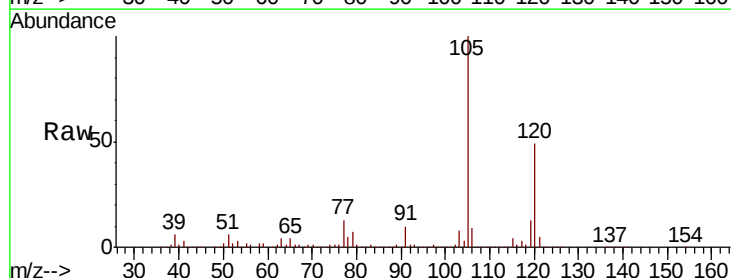
Acq: 22 Dec 2018 21:03

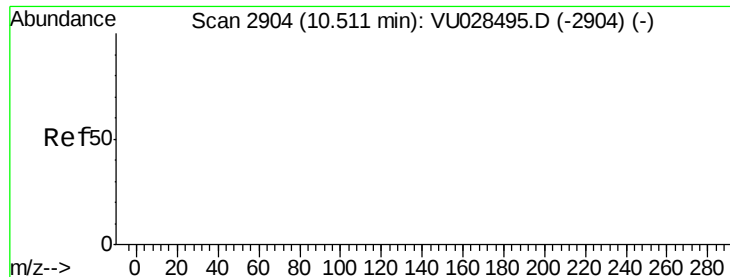
Tgt Ion: 105 Resp: 3230454

Ion Ratio Lower Upper

105 100

120 49.2 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 11.594 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.08 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

KY001SB103-121118-(20-22)ME

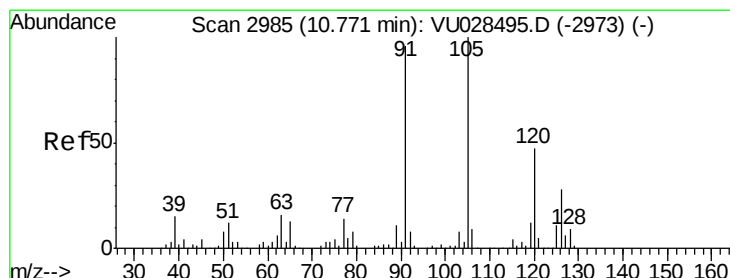
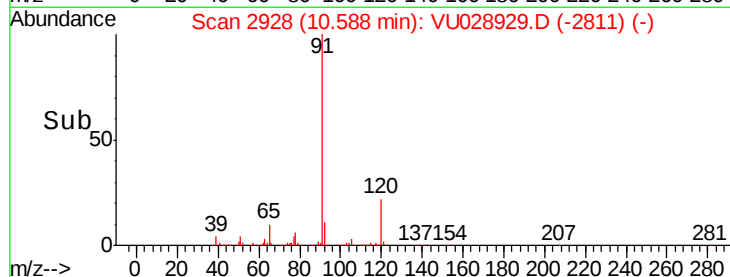
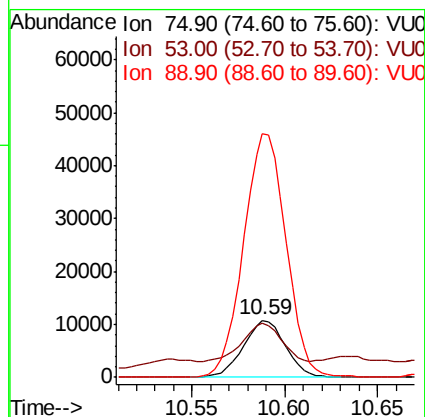
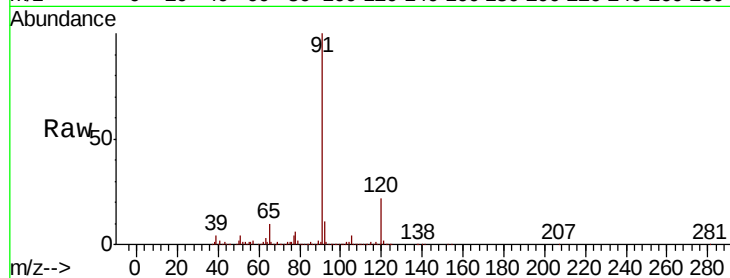
Tgt Ion: 75 Resp: 16914

Ion Ratio Lower Upper

75 100

53 68.4 0.0 0.0#

89 433.2 0.0 0.0#



#82

4-Chlorotoluene

Concen: 34.014 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU028929.D

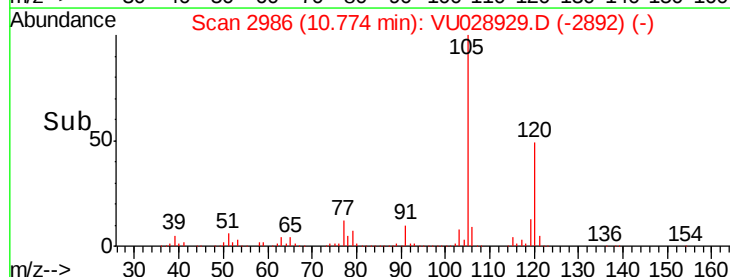
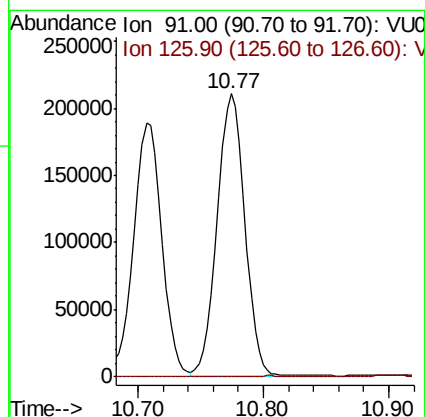
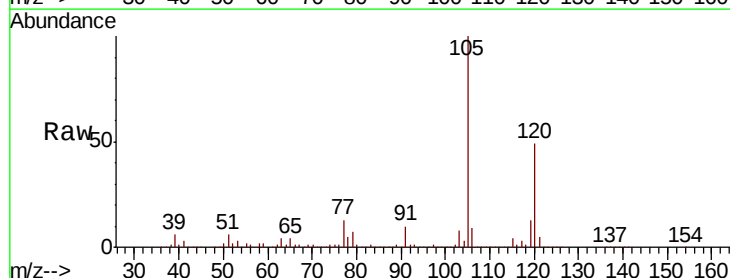
Acq: 22 Dec 2018 21:03

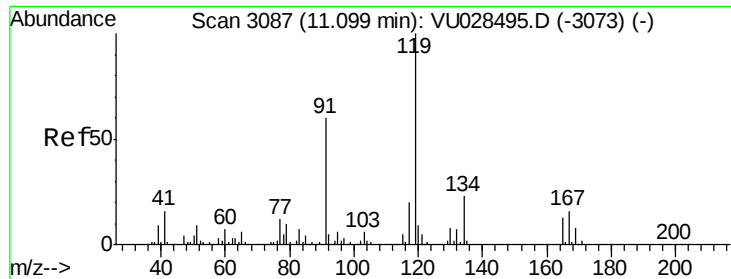
Tgt Ion: 91 Resp: 322254

Ion Ratio Lower Upper

91 100

126 0.1 14.1 42.3#

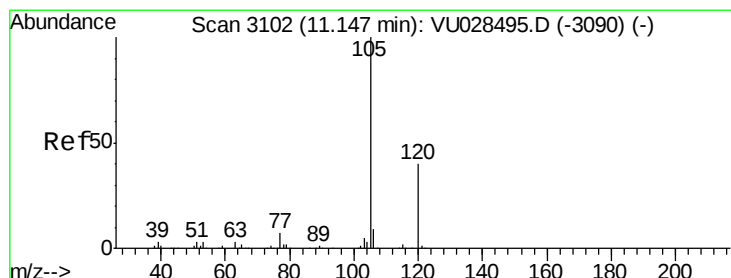
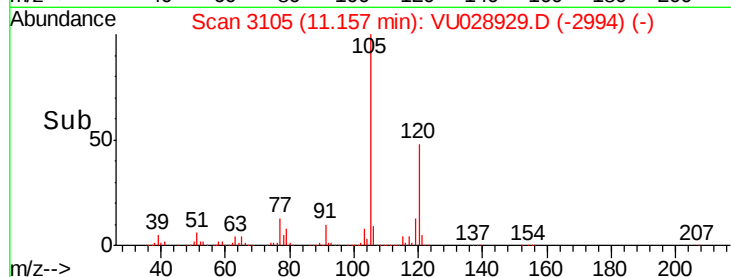
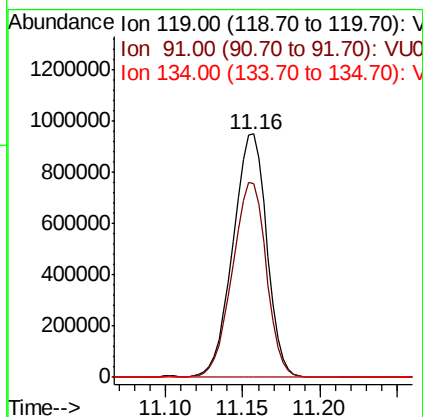
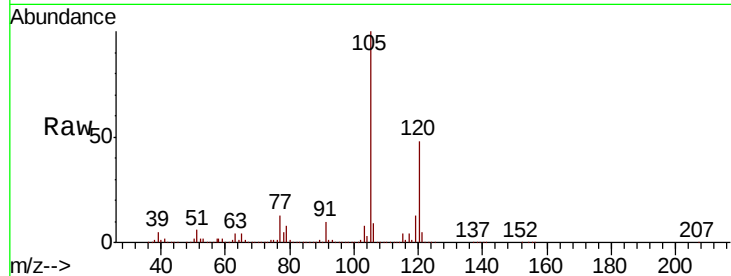




#83
 tert-Butylbenzene
 Concen: 161.173 ug/l
 RT: 11.16 min Scan# 3105
 Delta R.T. 0.06 min
 Lab File: VU028929.D
 Acq: 22 Dec 2018 21:03

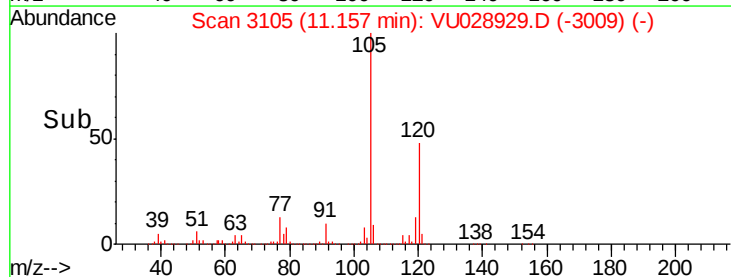
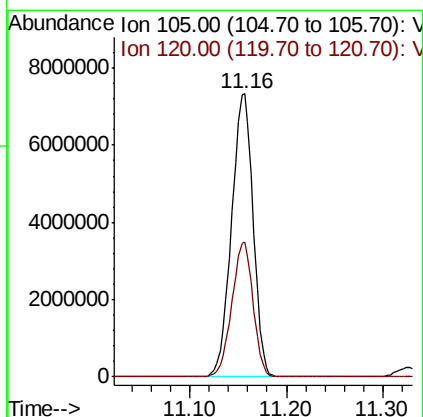
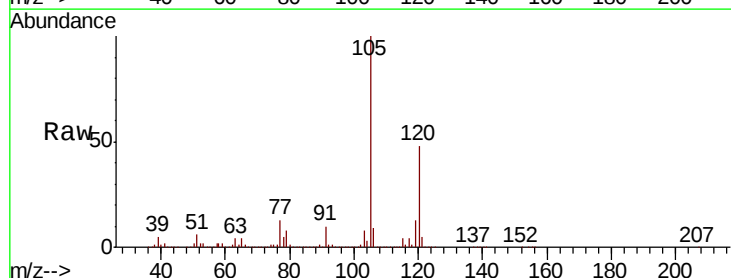
Instrument :
 MSVOA_U
 ClientSampleId :
 KY001SB103-121118-(20-22)ME

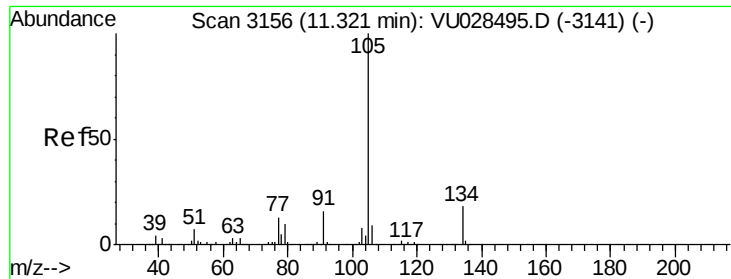
Tgt Ion:119 Resp: 1436378
 Ion Ratio Lower Upper
 119 100
 91 80.3 30.3 91.0
 134 0.0 11.2 33.5#



#84
 1,2,4-Trimethylbenzene
 Concen: 1187.632 ug/l
 RT: 11.16 min Scan# 3105
 Delta R.T. 0.01 min
 Lab File: VU028929.D
 Acq: 22 Dec 2018 21:03

Tgt Ion:105 Resp:11316859
 Ion Ratio Lower Upper
 105 100
 120 46.9 21.8 65.4

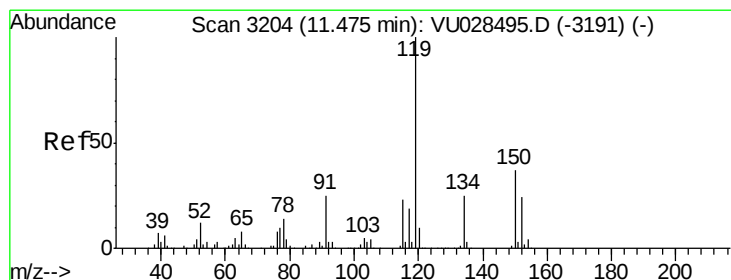
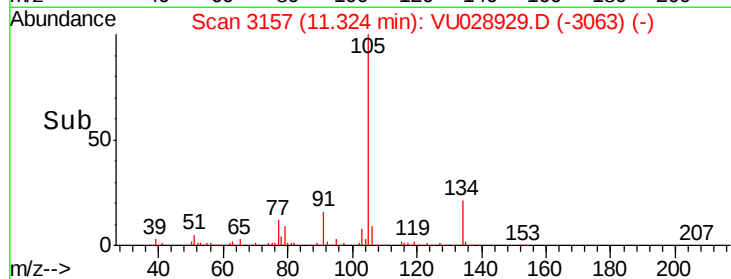
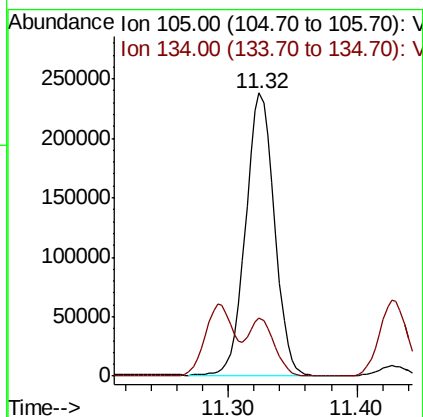
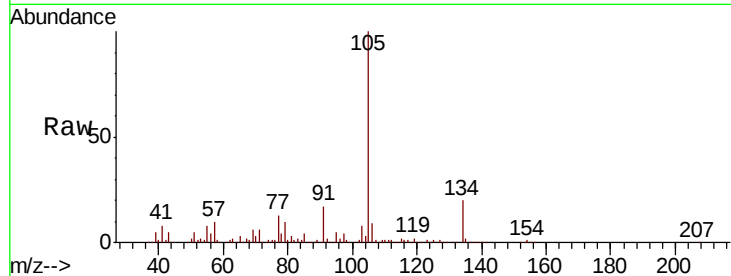




#85
 sec-Butylbenzene
 Concen: 32.221 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028929.D
 Acq: 22 Dec 2018 21:03

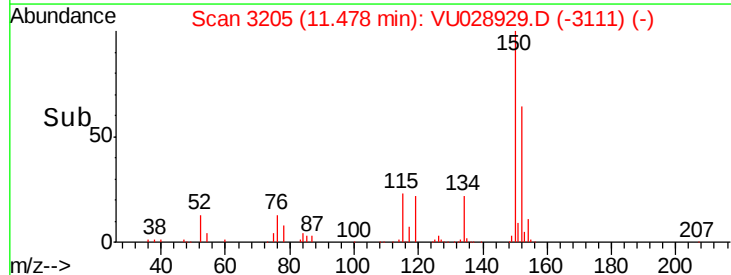
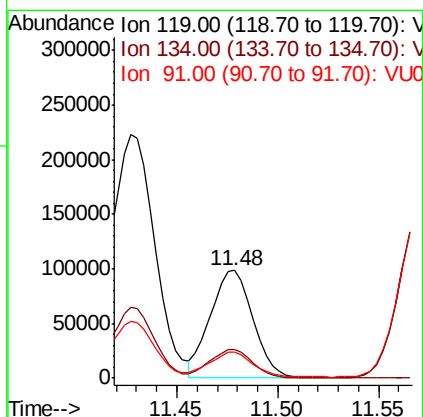
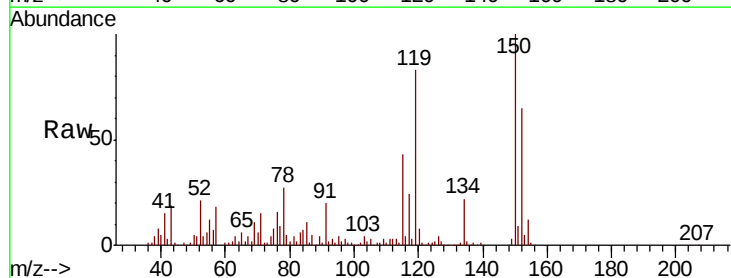
Instrument :
 MSVOA_U
 ClientSampleId :
 KY001SB103-121118-(20-22)ME

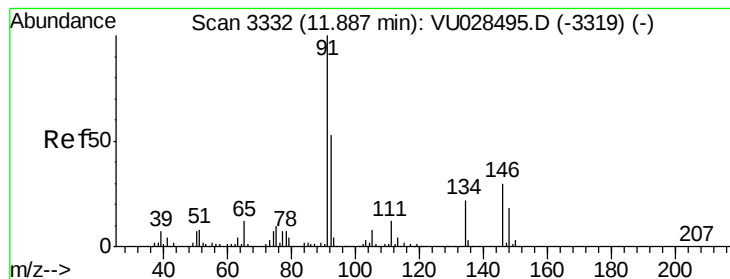
Tgt Ion:105 Resp: 368896
 Ion Ratio Lower Upper
 105 100
 134 18.2 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 14.864 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU028929.D
 Acq: 22 Dec 2018 21:03

Tgt Ion:119 Resp: 144558
 Ion Ratio Lower Upper
 119 100
 134 26.9 12.7 38.1
 91 24.3 12.6 37.6





#89

n-Butylbenzene

Concen: 139.300 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

KY001SB103-121118-(20-22)ME

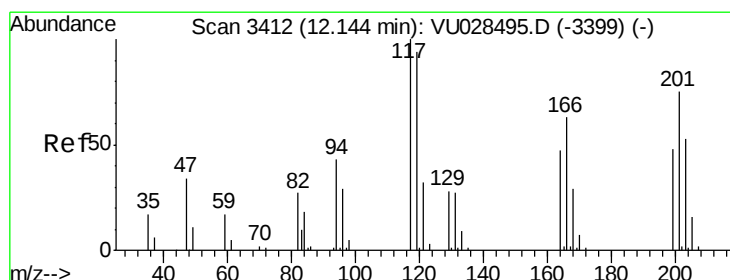
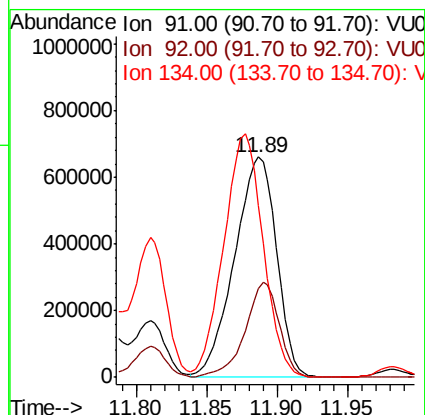
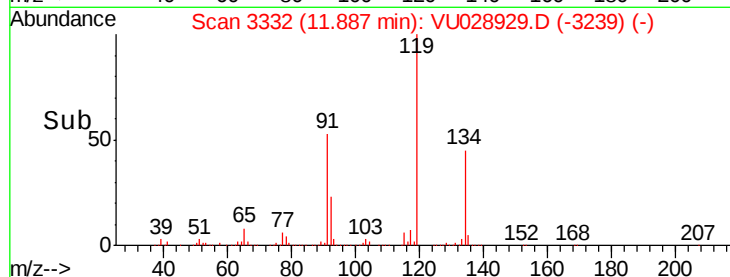
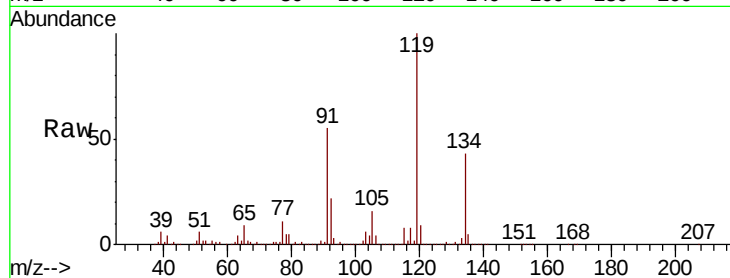
Tgt Ion: 91 Resp: 1371088

Ion Ratio Lower Upper

91 100

92 35.0 26.3 78.9

134 103.6 11.3 33.8#



#90

Hexachloroethane

Concen: 106.038 ug/l

RT: 12.15 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VU028929.D

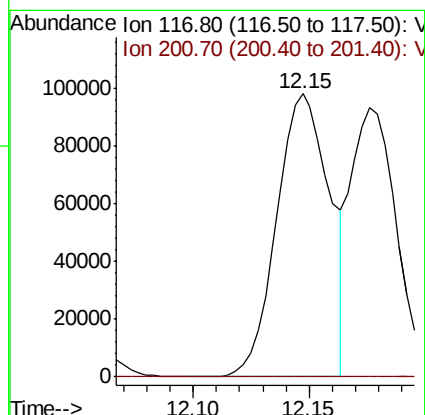
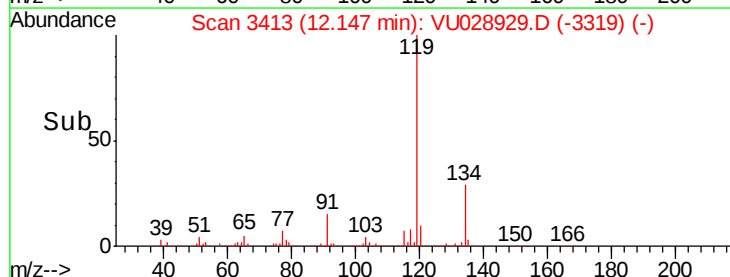
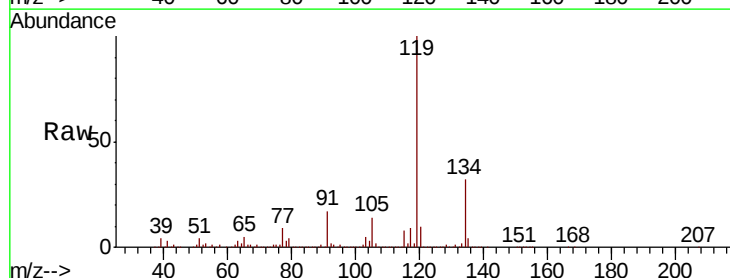
Acq: 22 Dec 2018 21:03

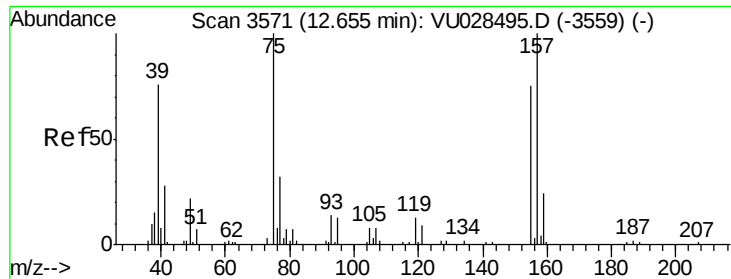
Tgt Ion: 117 Resp: 155875

Ion Ratio Lower Upper

117 100

201 0.0 38.1 114.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: 12.399 ug/l

RT: 12.65 min Scan# 3569

Delta R.T. -0.01 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

KY001SB103-121118-(20-22)ME

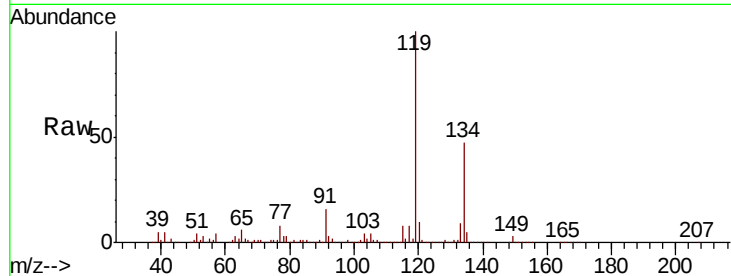
Tgt Ion: 75 Resp: 11518

Ion Ratio Lower Upper

75 100

155 5.1 38.1 114.5#

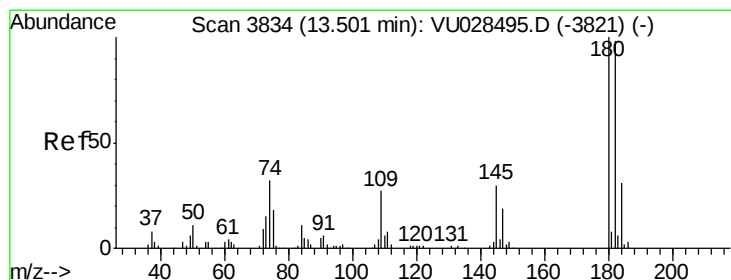
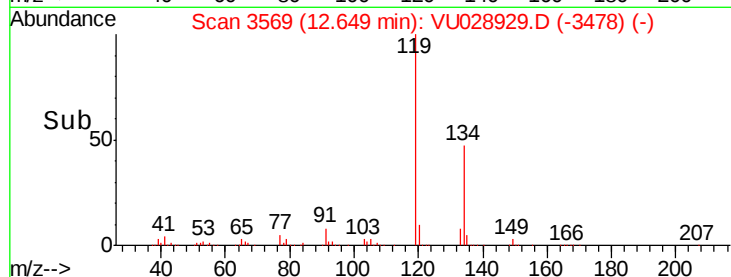
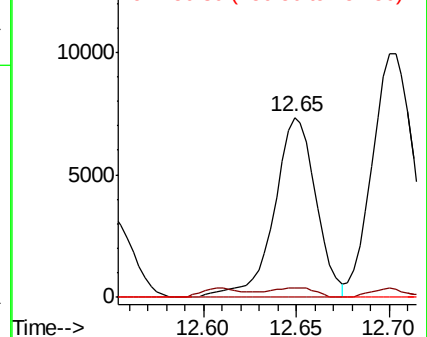
157 0.0 48.7 146.1#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 1.180 ug/l

RT: 13.50 min Scan# 3834

Delta R.T. -0.00 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

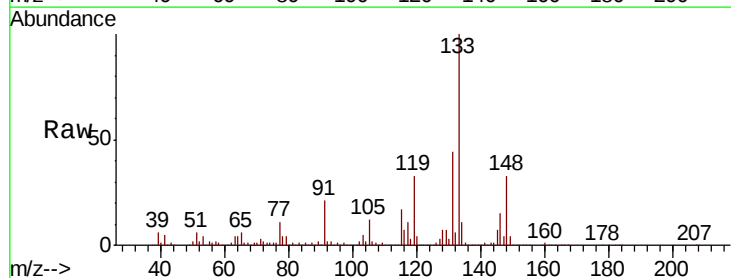
Tgt Ion: 180 Resp: 1162

Ion Ratio Lower Upper

180 100

182 73.8 47.9 143.8

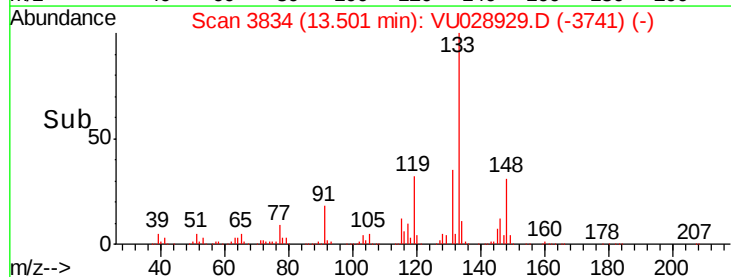
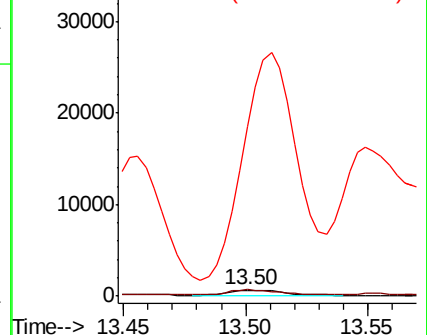
145 3284.9 15.0 45.1#

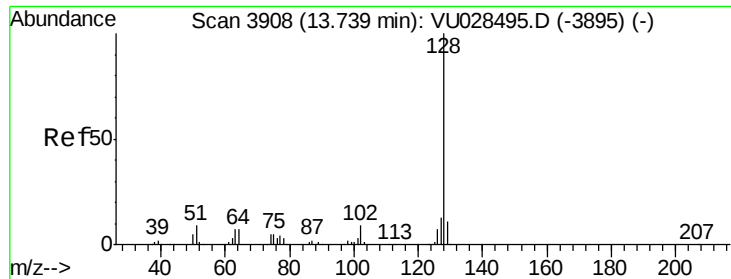


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

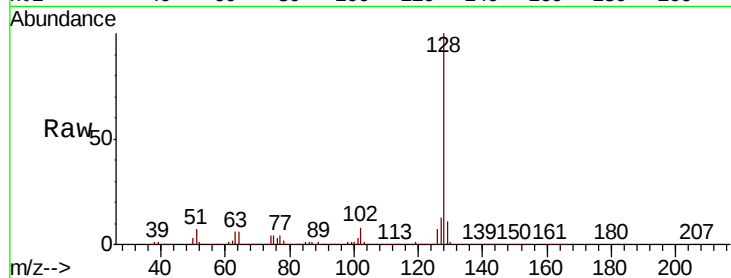




#95
Naphthalene
Concen: 194.547 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028929.D
Acq: 22 Dec 2018 21:03

Instrument :
MSVOA_U
ClientSampleId :
KY001SB103-121118-(20-22)ME

Tgt Ion:128 Resp: 2303473
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
2000000 Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

