

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U122218\
 Data File : VU028923.D
 Acq On : 22 Dec 2018 18:38
 Operator : MD/SY
 Sample : J6426-10ME 10X
 Misc : 5.64g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013A-2430-01ME

Quant Time: Dec 24 04:47:49 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	183748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	302269	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	264727	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	120325	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	105393	37.59	ug/l	0.00
Spiked Amount			Recovery	=	75.18%	
35) Dibromofluoromethane	4.88	113	91997	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
50) Toluene-d8	7.56	98	371621	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	10.30	95	123757	44.00	ug/l	0.00
Spiked Amount			Recovery	=	88.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1683	0.372	ug/l	96
11) Tert butyl alcohol	2.84	59	3323	5.319	ug/l #	73
14) Allyl chloride	2.74	41	12929	2.671	ug/l #	62
15) Acrylonitrile	2.99	53	1340	0.773	ug/l #	32
16) Acetone	2.32	43	940	0.514	ug/l #	86
18) Methyl Acetate	2.62	43	1147	0.242	ug/l #	73
20) Methylene Chloride	2.70	84	1004	0.372	ug/l #	84
23) Vinyl Acetate	3.30	43	62877	8.099	ug/l #	41
25) 2-Butanone	4.22	43	923	0.369	ug/l #	52
31) Cyclohexane	4.99	56	17136	2.425	ug/l #	73
36) 1,1-Dichloropropene	4.98	75	13258	4.008	ug/l #	50
37) Ethyl Acetate	4.22	43	923	0.216	ug/l #	89
38) Carbon Tetrachloride	4.98	117	16278	6.106	ug/l #	15
39) Methylcyclohexane	6.41	83	45797	11.349	ug/l	88
43) Isopropyl Acetate	5.49	43	1947	0.288	ug/l #	62
48) Methyl methacrylate	6.64	41	1357	0.403	ug/l #	25
51) 4-Methyl-2-Pentanone	7.53	43	2093	0.491	ug/l #	58
52) Toluene	7.64	92	2160835	376.892	ug/l	98
53) t-1,3-Dichloropropene	7.64	75	22271	5.912	ug/l #	1
55) 1,1,2-Trichloroethane	8.04	97	7992	3.526	ug/l #	18
56) Ethyl methacrylate	8.04	69	2104	0.542	ug/l #	41
59) 2-Hexanone	8.33	43	19870	5.877	ug/l #	30
65) Chlorobenzene	9.12	112	11486	2.036	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.10	131	949	0.527	ug/l #	1
67) Ethyl Benzene	9.25	91	1871301	180.452	ug/l	98
68) m/p-Xylenes	9.38	106	6870173	1820.684	ug/l	92
69) o-Xylene	9.78	106	1708664	465.958	ug/l	95
70) Styrene	9.78	104	81442	13.420	ug/l #	1
73) Isopropylbenzene	10.17	105	87813	9.511	ug/l	98
74) N-amyl acetate	10.01	43	2299	0.432	ug/l #	26
75) 1,1,2,2-Tetrachloroethane	10.45	83	979	0.276	ug/l #	1
76) 1,2,3-Trichloropropane	10.61	75	43571	14.181	ug/l #	34
78) n-propylbenzene	10.58	91	168189	14.660	ug/l	89
79) 2-Chlorotoluene	10.68	91	59999	9.079	ug/l #	43

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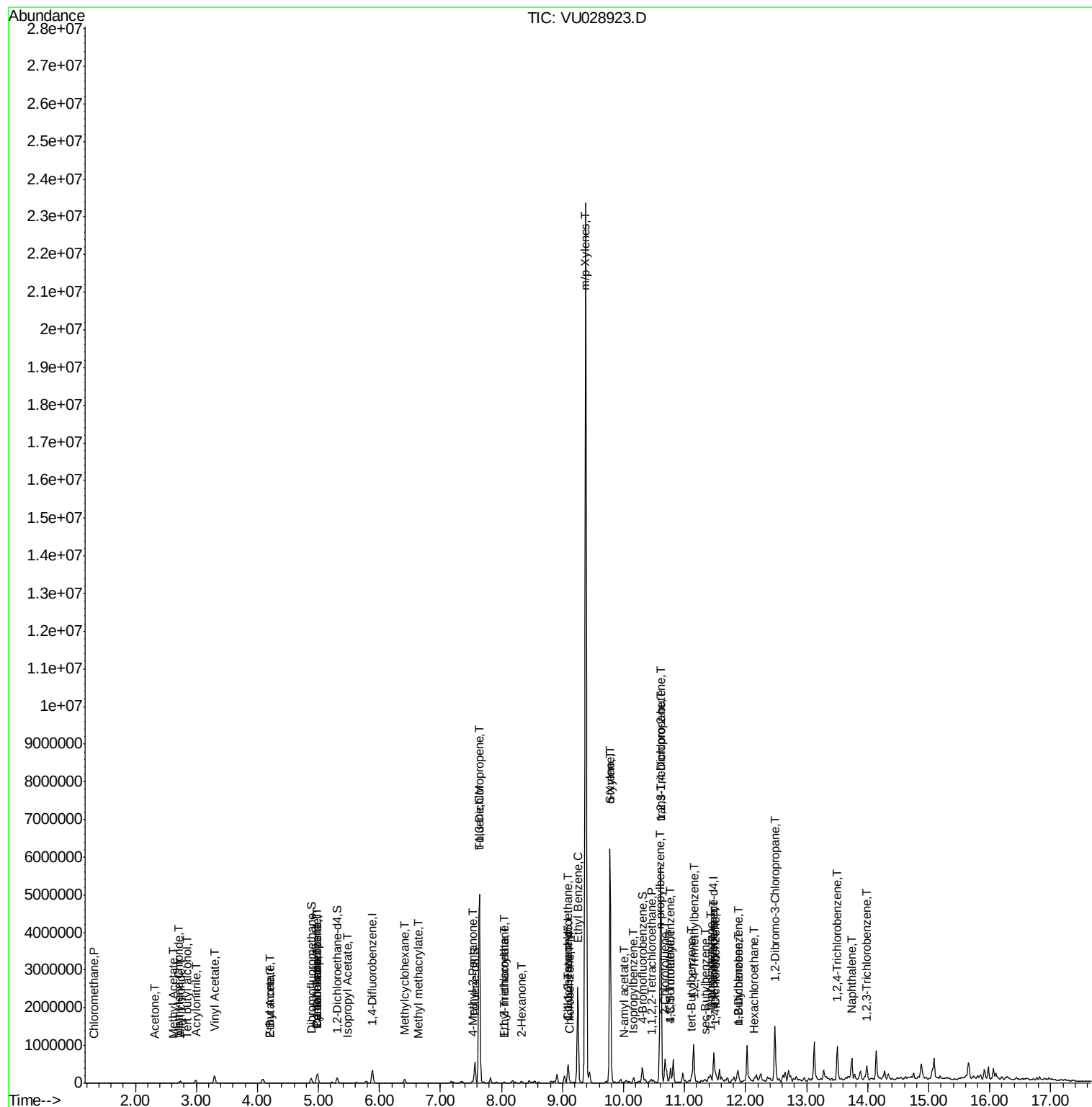
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	10.77	105	188520	24.666	ug/l	96
81) trans-1,4-Dichloro-2-buten	10.61	75	43571	35.025	ug/l #	100
82) 4-Chlorotoluene	10.77	91	18077	2.308	ug/l #	47
83) tert-Butylbenzene	11.10	119	2113	0.287	ug/l #	42
84) 1,2,4-Trimethylbenzene	11.15	105	546404	69.371	ug/l	97
85) sec-Butylbenzene	11.32	105	17285	1.826	ug/l	100
86) p-Isopropyltoluene	11.47	119	173234	21.549	ug/l	96
87) 1,3-Dichlorobenzene	11.42	146	13977	3.428	ug/l	95
88) 1,4-Dichlorobenzene	11.51	146	81451	19.308	ug/l	98
89) n-Butylbenzene	11.88	91	44607	5.483	ug/l #	34
90) Hexachloroethane	12.14	117	5550	4.568	ug/l #	11
91) 1,2-Dichlorobenzene	11.88	146	29891	7.329	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.48	75	42342	55.142	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.50	180	256700	90.890	ug/l	99
95) Naphthalene	13.74	128	382799	39.113	ug/l	99
96) 1,2,3-Trichlorobenzene	13.98	180	114266	40.992	ug/l	95

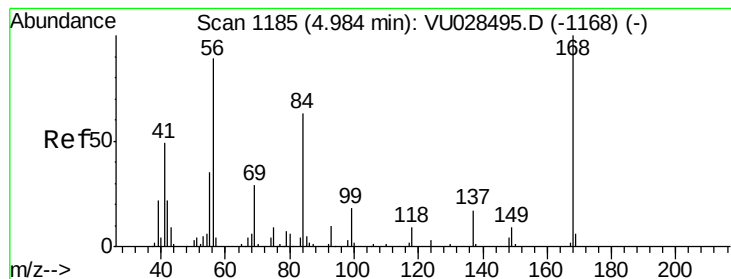
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028923.D

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Instrument :

MSVOA_U

ClientSampleId :

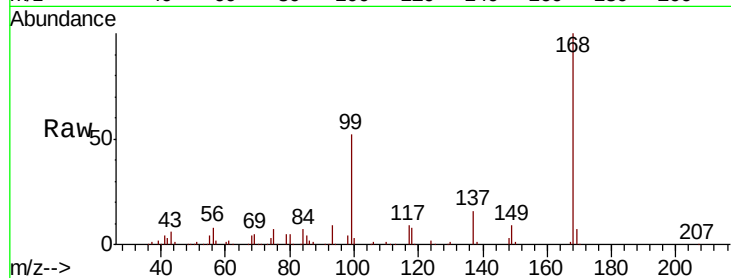
P001-SS013A-2430-01ME

Tgt Ion:168 Resp: 183748

Ion Ratio Lower Upper

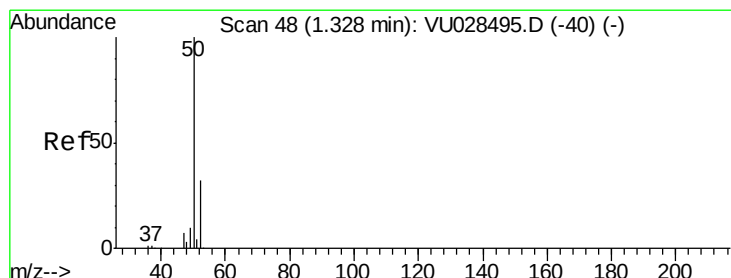
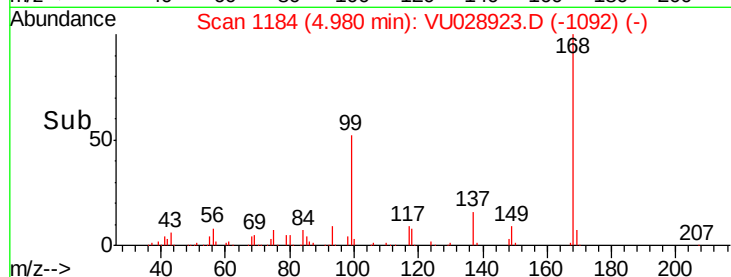
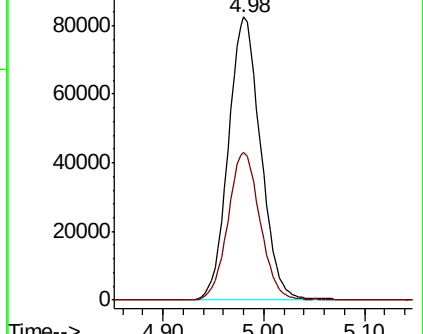
168 100

99 52.0 46.6 69.8



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

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)



#3

Chloromethane

Concen: 0.372 ug/l

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU028923.D

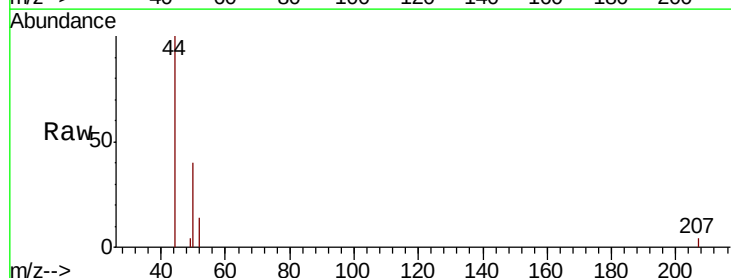
Acq: 22 Dec 2018 18:38

Tgt Ion: 50 Resp: 1683

Ion Ratio Lower Upper

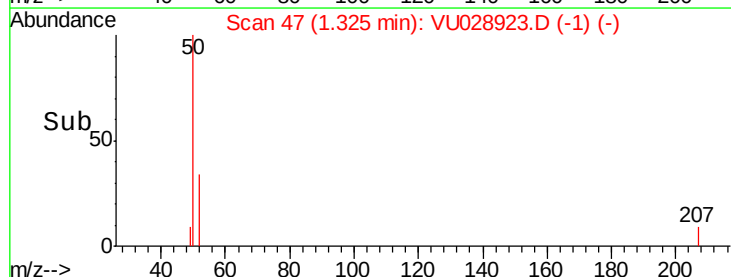
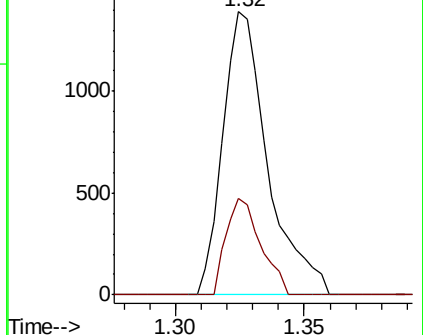
50 100

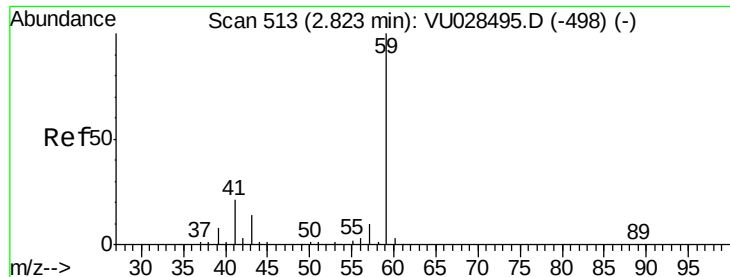
52 34.1 25.5 38.3



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

Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)

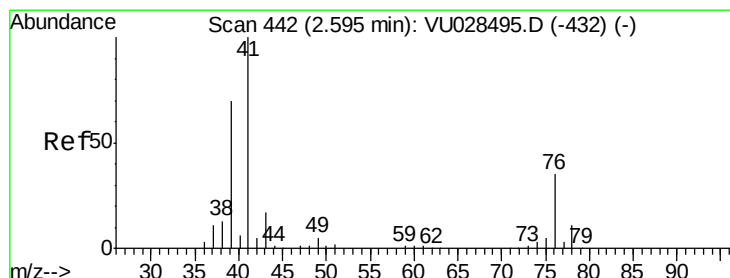
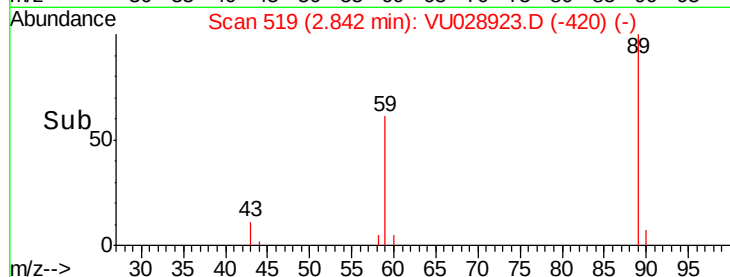
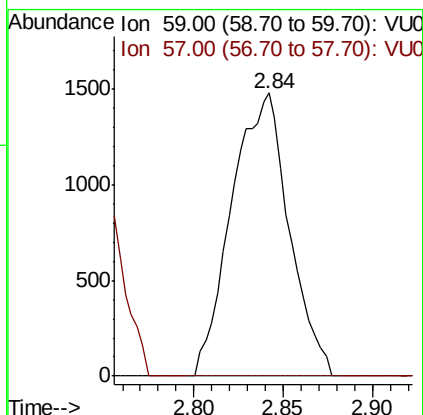
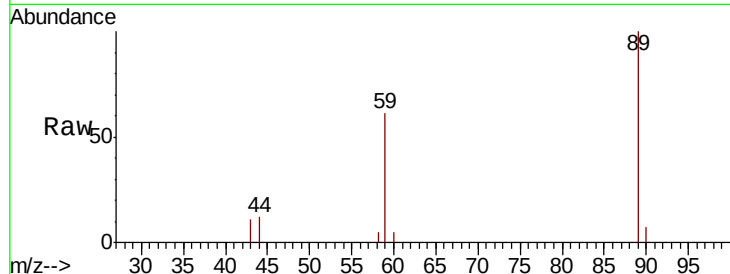




#11
Tert butyl alcohol
Concen: 5.319 ug/l
RT: 2.84 min Scan# 519
Delta R.T. 0.02 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

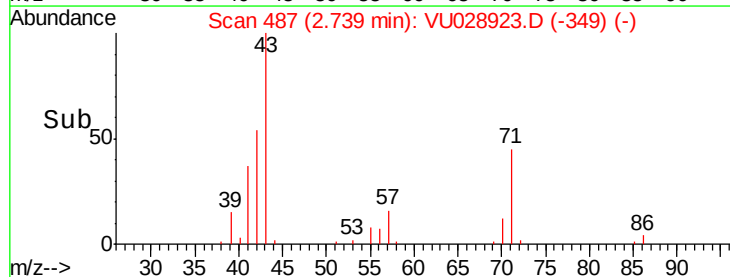
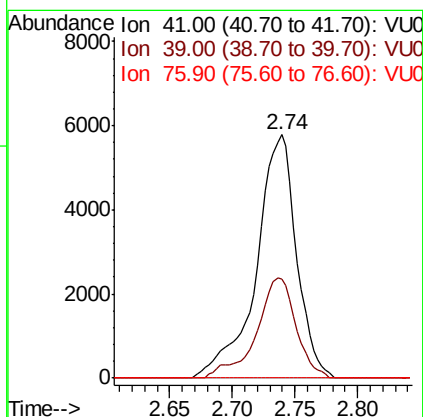
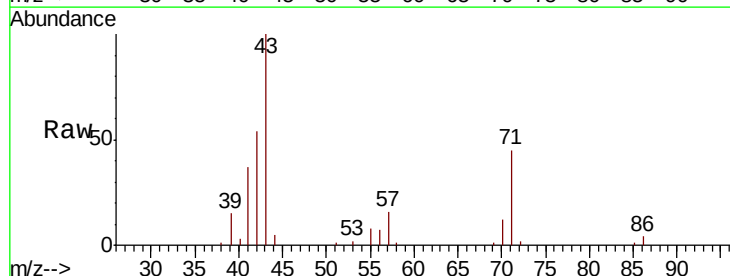
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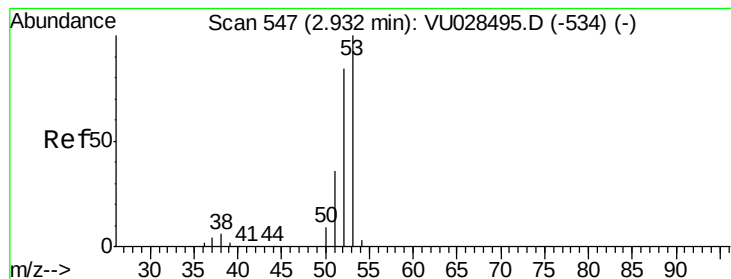
Tgt Ion: 59 Resp: 3323
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#14
Allyl chloride
Concen: 2.671 ug/l
RT: 2.74 min Scan# 487
Delta R.T. 0.14 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

Tgt Ion: 41 Resp: 12929
Ion Ratio Lower Upper
41 100
39 40.4 50.8 76.2#
76 0.0 24.8 37.2#





#15

Acrylonitrile

Concen: 0.773 ug/l

RT: 2.99 min Scan# 565

Delta R.T. 0.06 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

P001-SS013A-2430-01ME

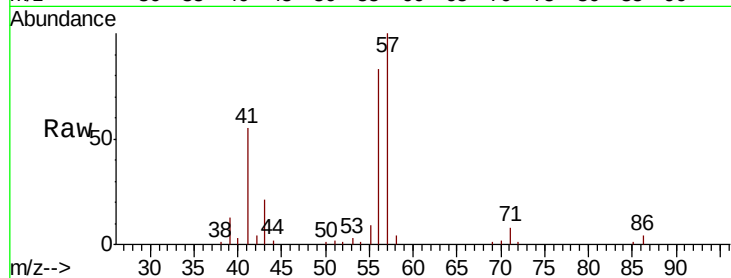
Tgt Ion: 53 Resp: 1340

Ion Ratio Lower Upper

53 100

52 12.5 66.1 99.1#

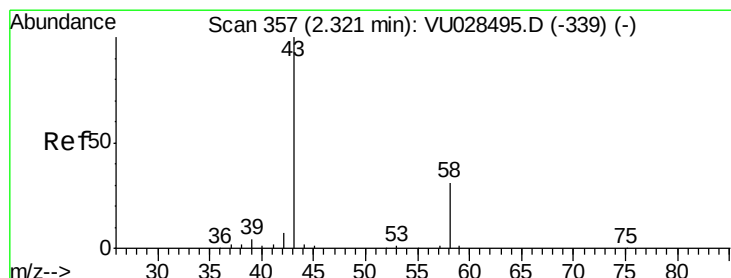
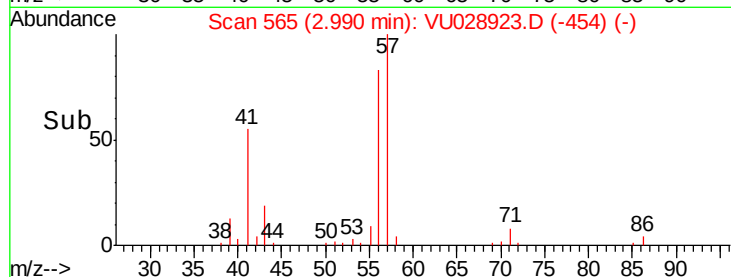
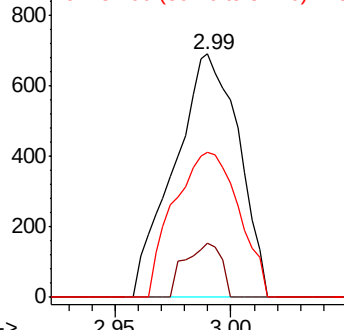
51 60.1 28.1 42.1#



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: 0.514 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028923.D

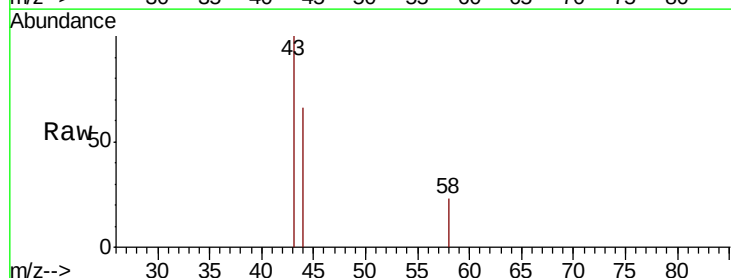
Acq: 22 Dec 2018 18:38

Tgt Ion: 43 Resp: 940

Ion Ratio Lower Upper

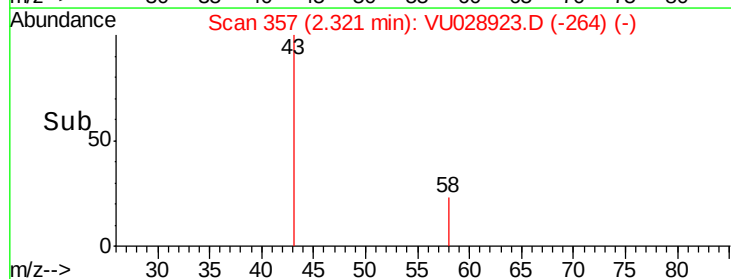
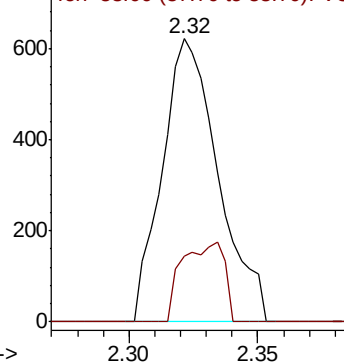
43 100

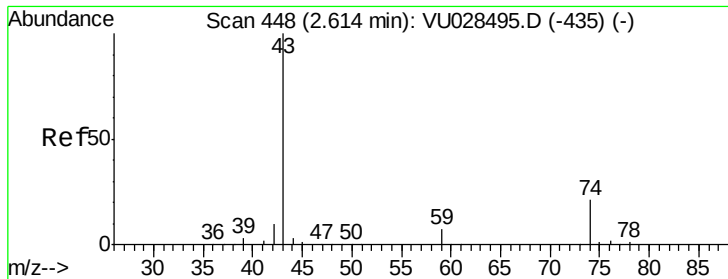
58 23.3 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

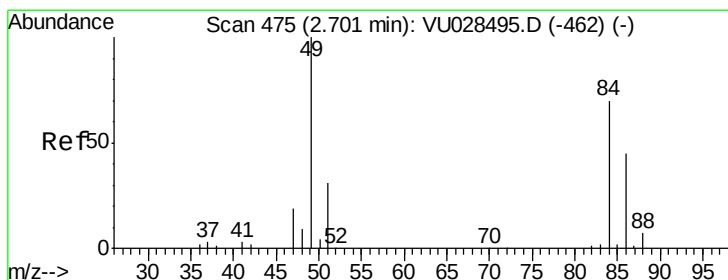
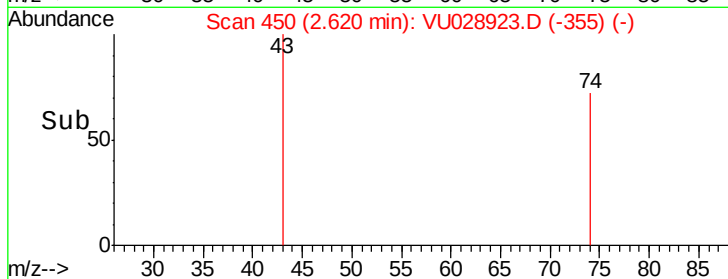
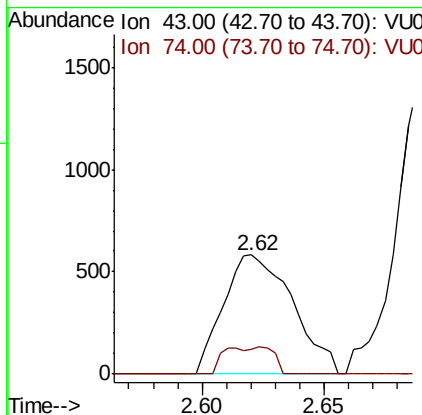
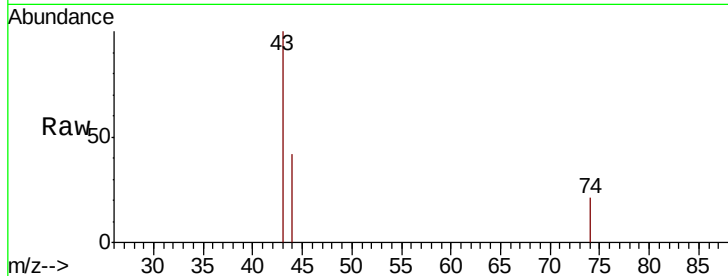




#18
Methyl Acetate
Concen: 0.242 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

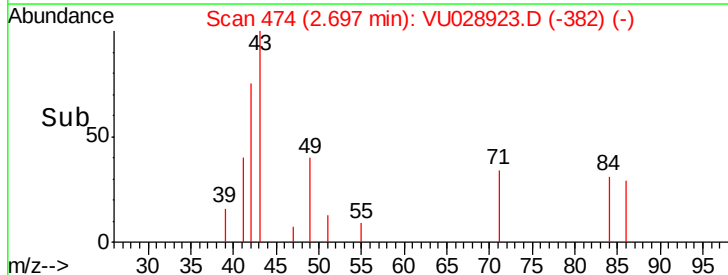
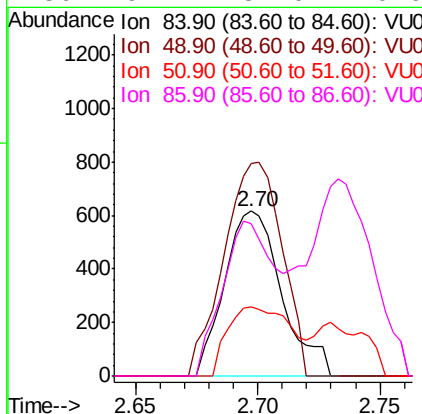
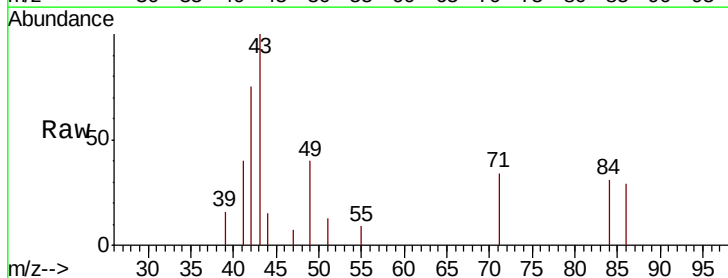
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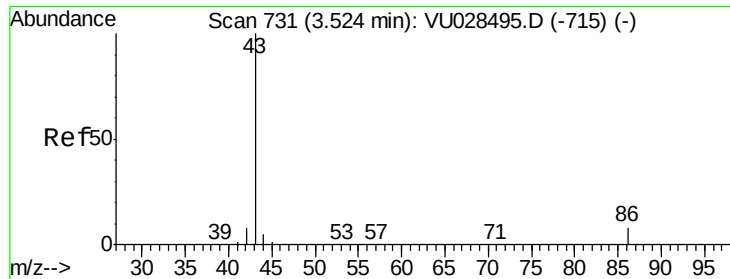
Tgt Ion: 43 Resp: 1147
Ion Ratio Lower Upper
43 100
74 8.0 16.4 24.6#



#20
Methylene Chloride
Concen: 0.372 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

Tgt Ion: 84 Resp: 1004
Ion Ratio Lower Upper
84 100
49 129.2 114.0 171.0
51 41.9 35.1 52.7
86 92.2 51.0 76.6#





#23

Vinyl Acetate

Concen: 8.099 ug/l

RT: 3.30 min Scan# 661

Delta R.T. -0.23 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

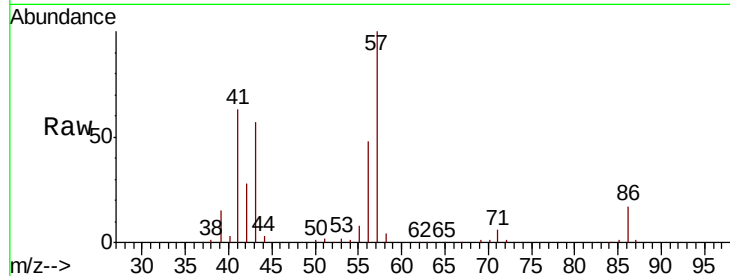
P001-SS013A-2430-01ME

Tgt Ion: 43 Resp: 62877

Ion Ratio Lower Upper

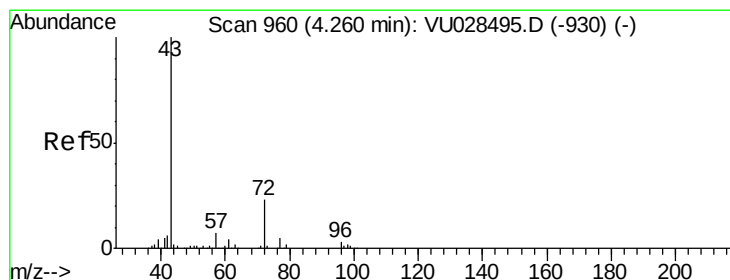
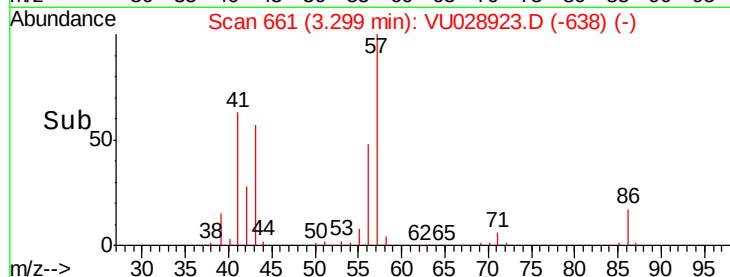
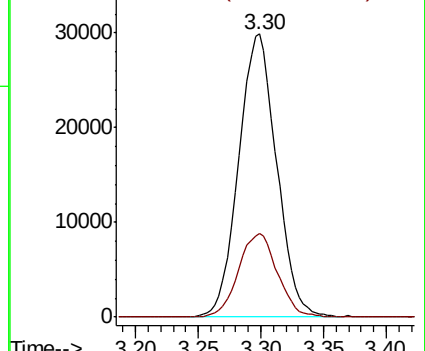
43 100

86 29.5 6.8 10.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#25

2-Butanone

Concen: 0.369 ug/l

RT: 4.22 min Scan# 947

Delta R.T. -0.04 min

Lab File: VU028923.D

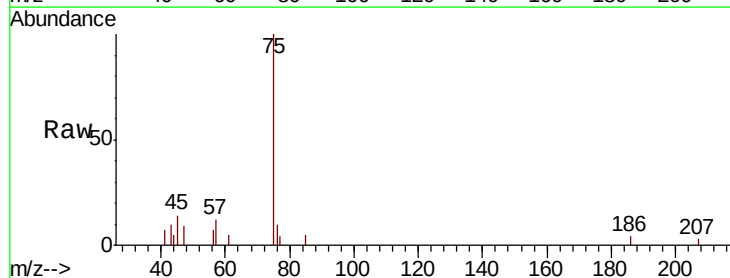
Acq: 22 Dec 2018 18:38

Tgt Ion: 43 Resp: 923

Ion Ratio Lower Upper

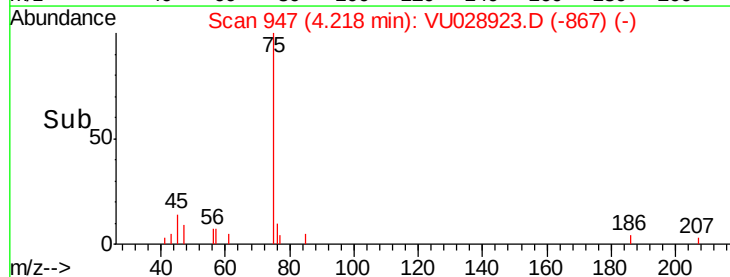
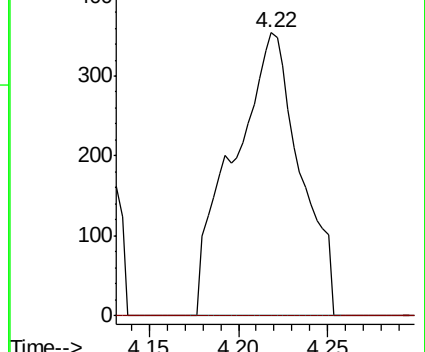
43 100

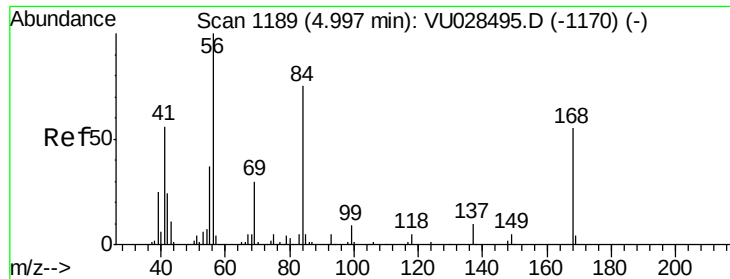
72 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

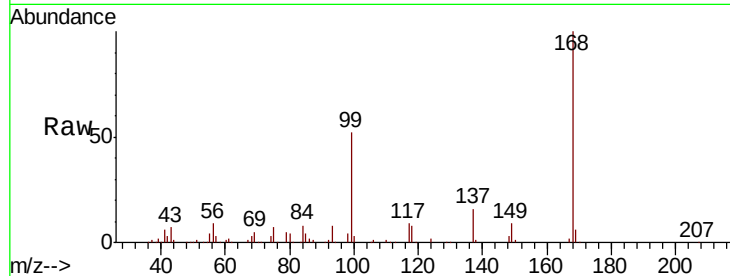




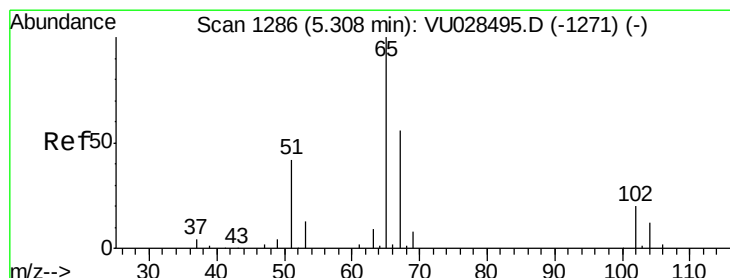
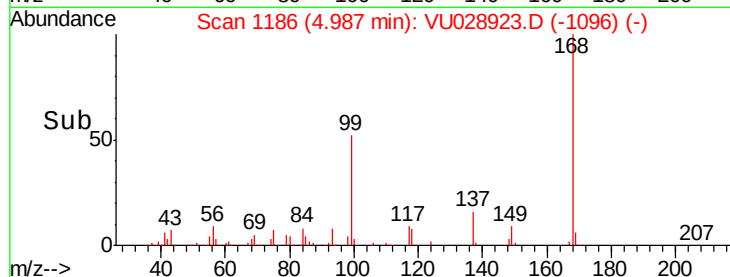
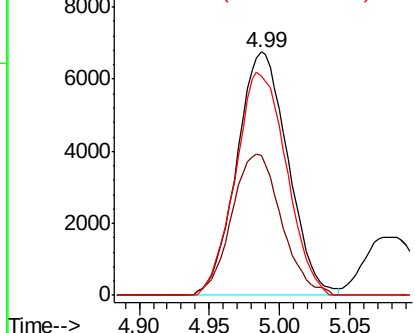
#31
Cyclohexane
Concen: 2.425 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
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Tgt Ion: 56 Resp: 17136
Ion Ratio Lower Upper
56 100
69 57.4 24.0 36.0#
84 90.0 59.7 89.5#

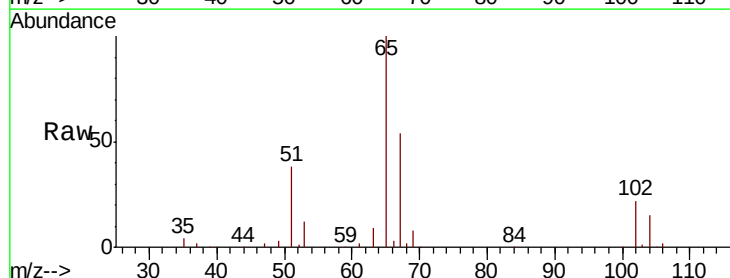


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

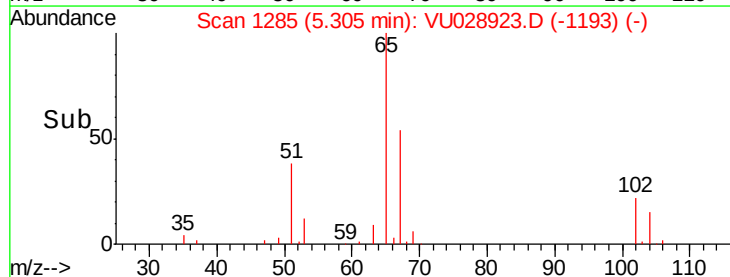
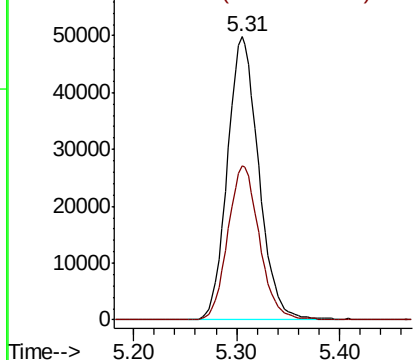


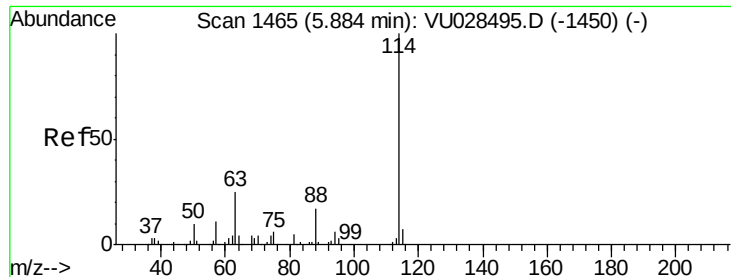
#33
1,2-Dichloroethane-d4
Concen: 37.585 ug/l
RT: 5.31 min Scan# 1285
Delta R.T. -0.00 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

Tgt Ion: 65 Resp: 105393
Ion Ratio Lower Upper
65 100
67 54.8 0.0 110.6



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: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

P001-SS013A-2430-01ME

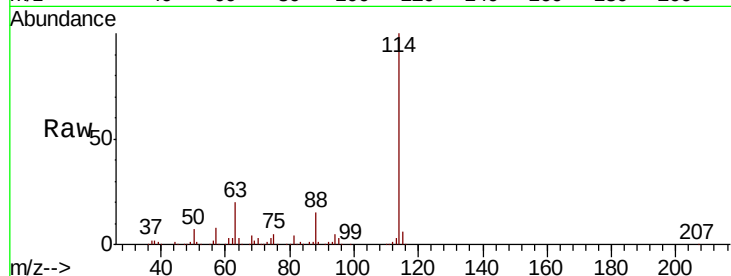
Tgt Ion:114 Resp: 302269

Ion Ratio Lower Upper

114 100

63 19.9 0.0 49.2

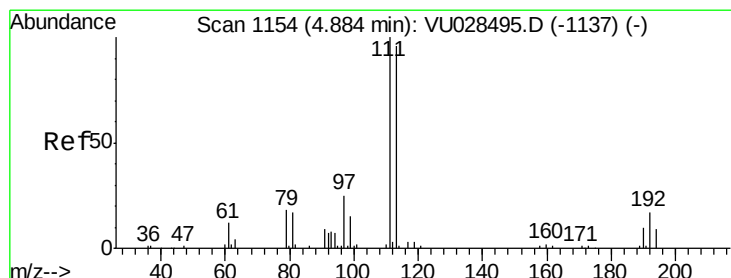
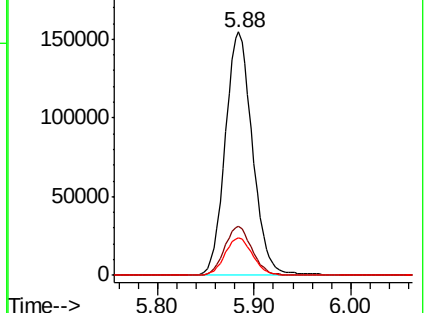
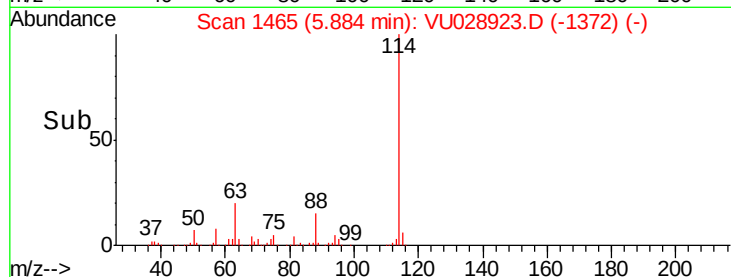
88 15.4 0.0 33.4



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: 48.363 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

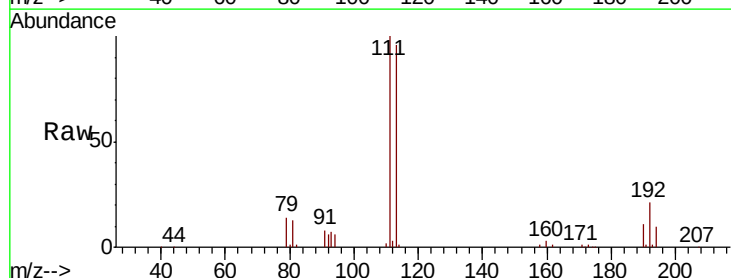
Tgt Ion:113 Resp: 91997

Ion Ratio Lower Upper

113 100

111 102.5 83.4 125.0

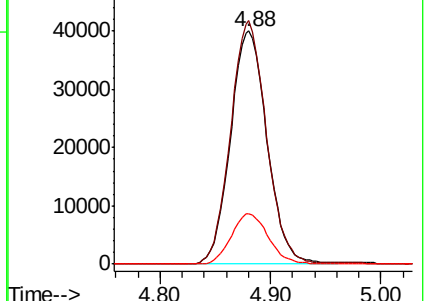
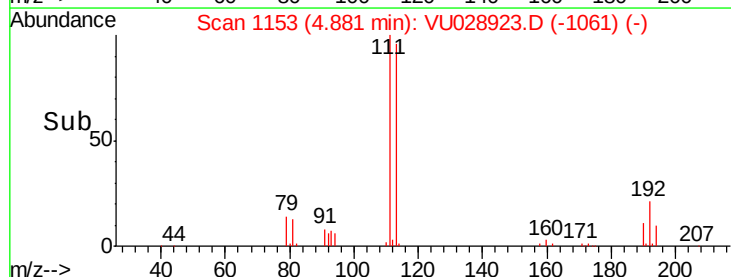
192 21.8 14.8 22.2

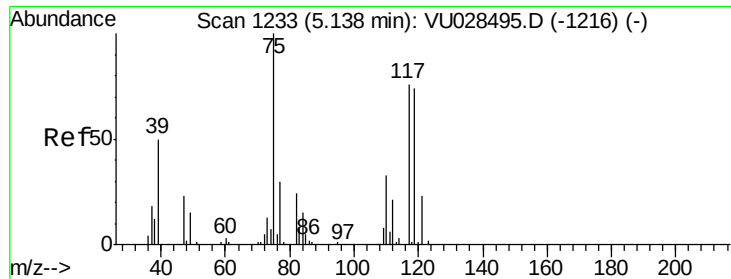


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

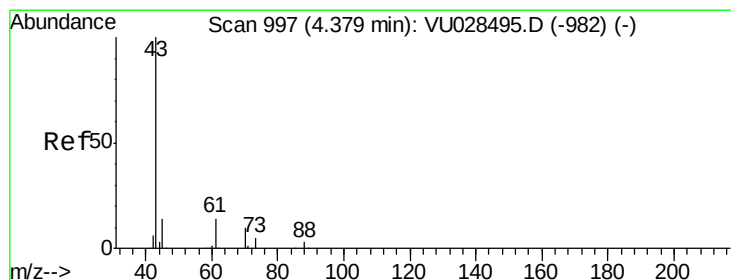
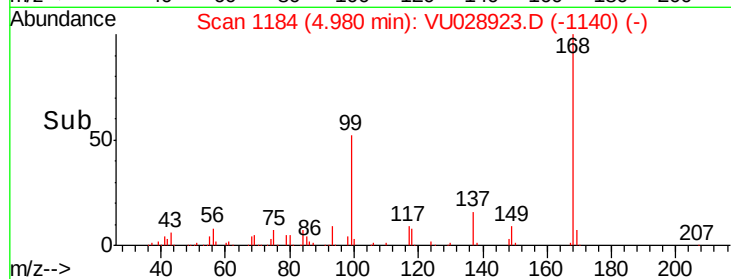
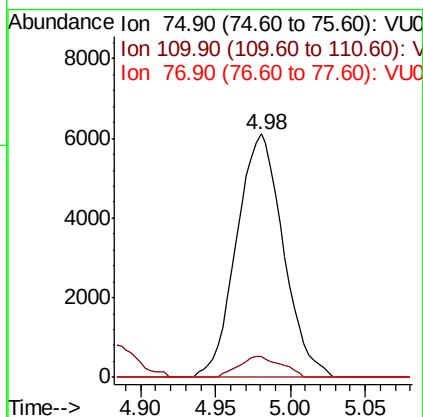
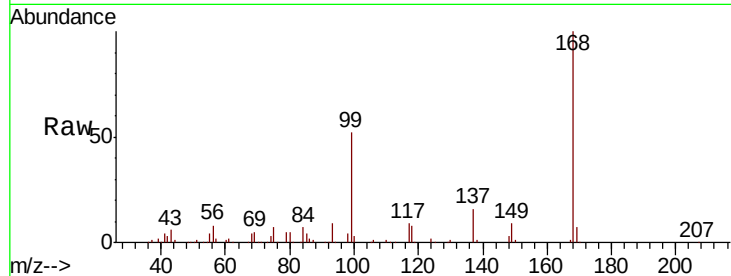




#36
 1,1-Dichloropropene
 Concen: 4.008 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028923.D
 Acq: 22 Dec 2018 18:38

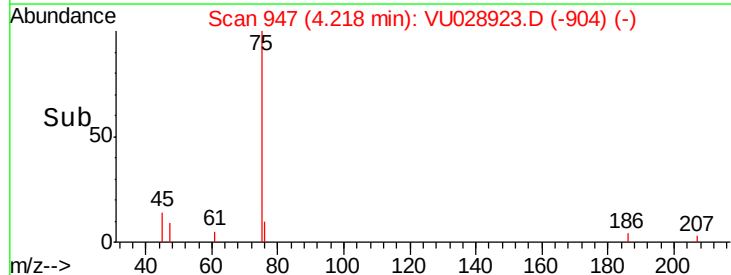
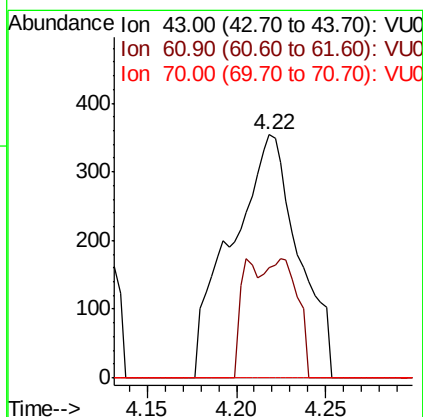
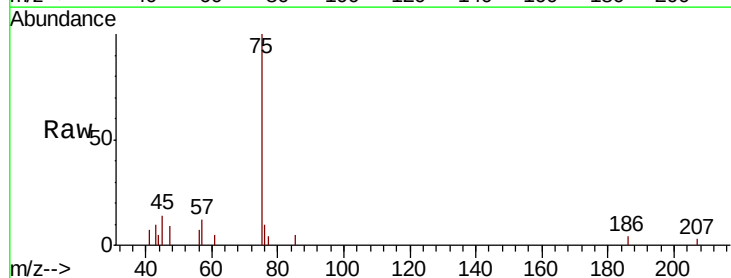
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013A-2430-01ME

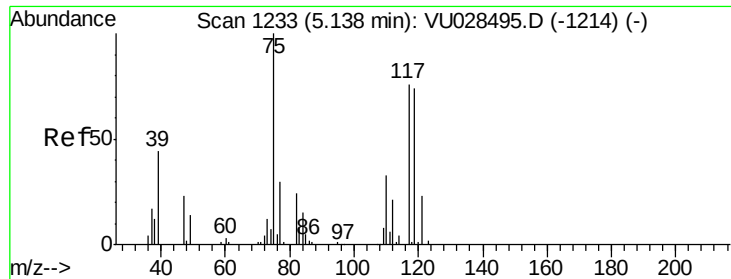
Tgt Ion: 75 Resp: 13258
 Ion Ratio Lower Upper
 75 100
 110 7.8 16.1 48.2#
 77 0.0 24.5 36.7#



#37
 Ethyl Acetate
 Concen: 0.216 ug/l
 RT: 4.22 min Scan# 947
 Delta R.T. -0.16 min
 Lab File: VU028923.D
 Acq: 22 Dec 2018 18:38

Tgt Ion: 43 Resp: 923
 Ion Ratio Lower Upper
 43 100
 61 12.9 11.0 16.4
 70 0.0 7.4 11.0#

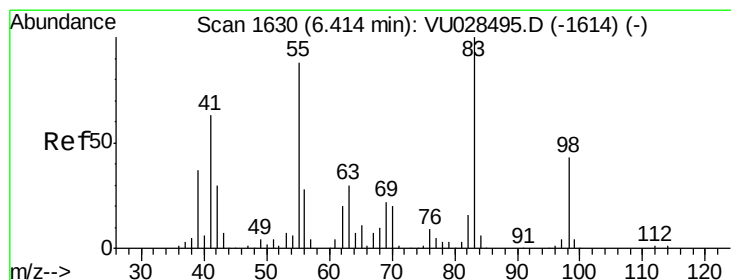
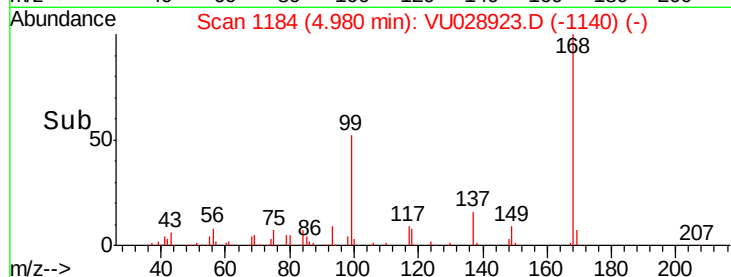
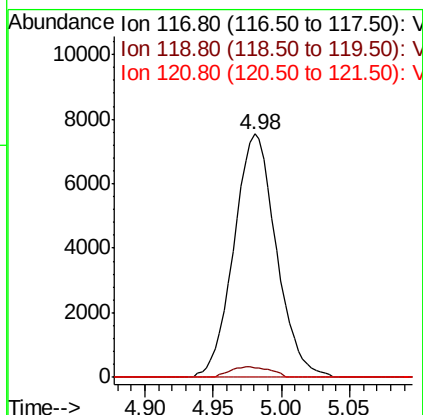
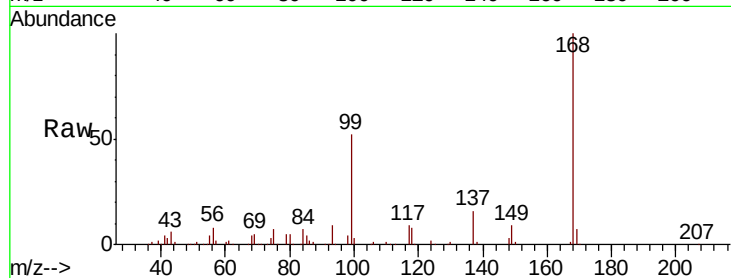




#38
Carbon Tetrachloride
Concen: 6.106 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.16 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

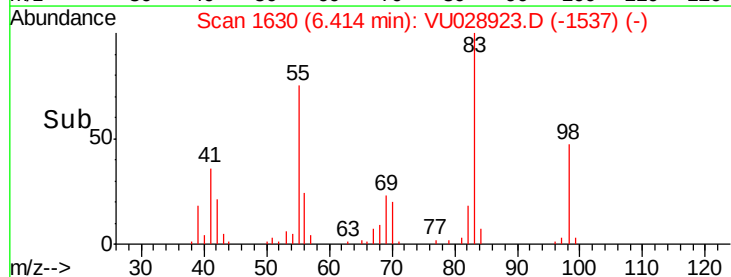
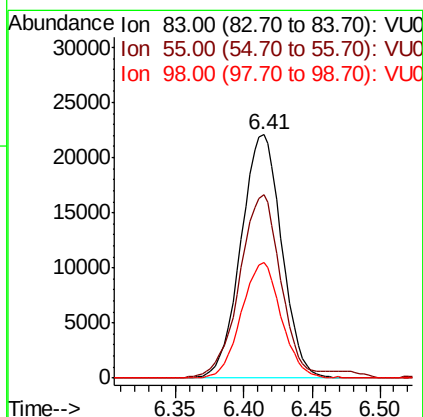
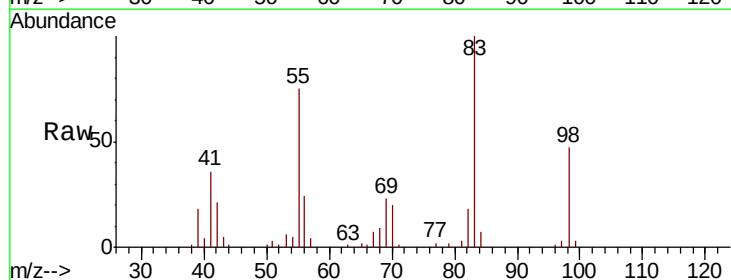
Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-2430-01ME

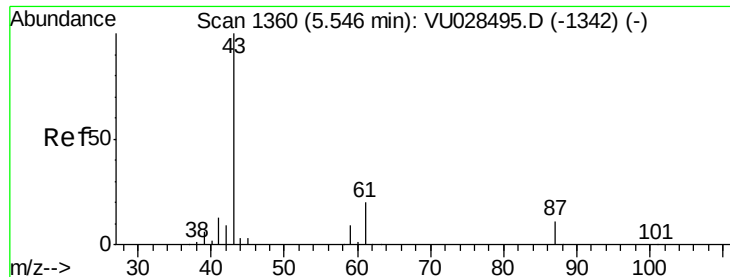
Tgt Ion: 117 Resp: 16278
Ion Ratio Lower Upper
117 100
119 3.9 77.6 116.4#
121 0.0 24.6 36.8#



#39
Methylcyclohexane
Concen: 11.349 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

Tgt Ion: 83 Resp: 45797
Ion Ratio Lower Upper
83 100
55 75.0 70.2 105.2
98 47.3 34.2 51.4





#43

Isopropyl Acetate

Concen: 0.288 ug/l

RT: 5.49 min Scan# 1341

Delta R.T. -0.06 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

P001-SS013A-2430-01ME

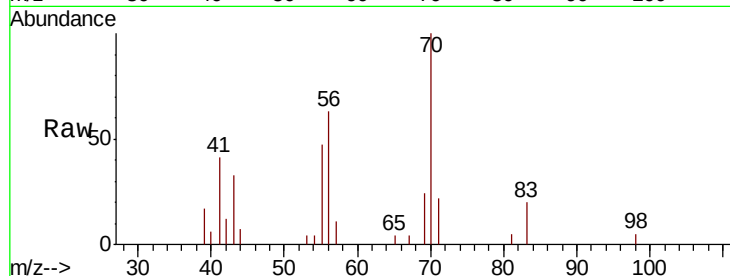
Tgt Ion: 43 Resp: 1947

Ion Ratio Lower Upper

43 100

61 0.0 15.5 23.3#

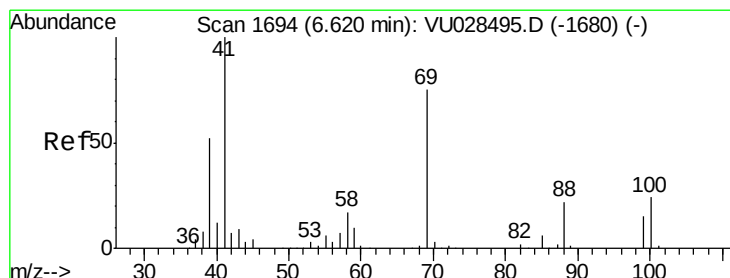
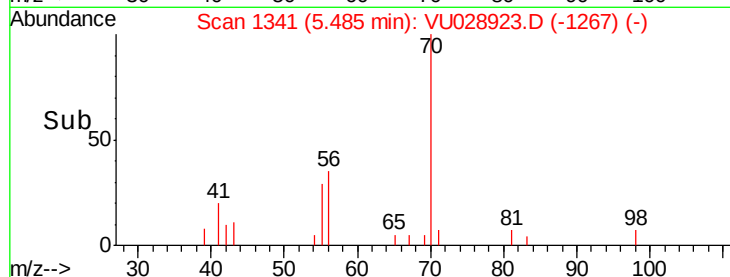
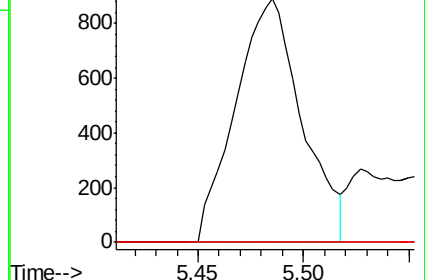
87 0.0 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU028495.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-1342) (-)



#48

Methyl methacrylate

Concen: 0.403 ug/l

RT: 6.64 min Scan# 1701

Delta R.T. 0.02 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

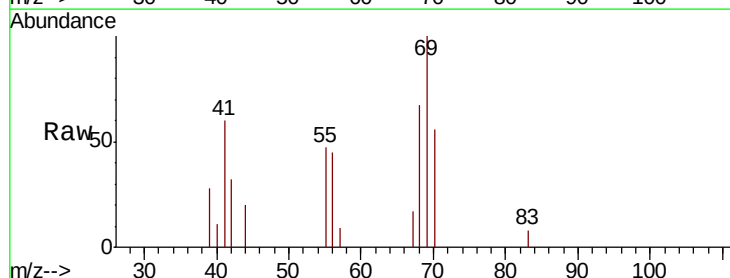
Tgt Ion: 41 Resp: 1357

Ion Ratio Lower Upper

41 100

69 176.7 60.4 90.6#

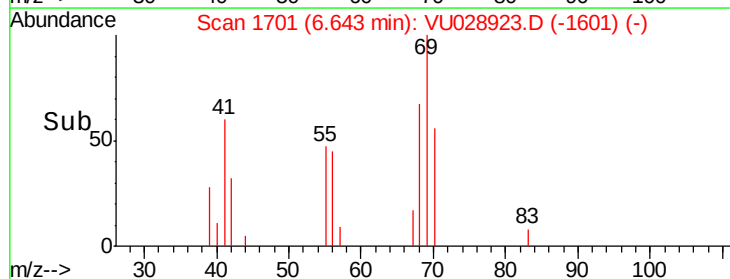
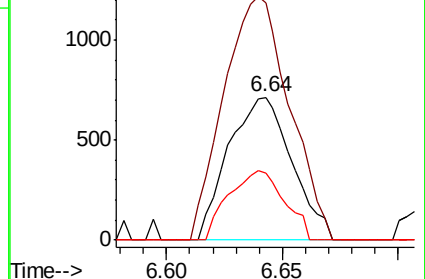
39 42.7 41.1 61.7

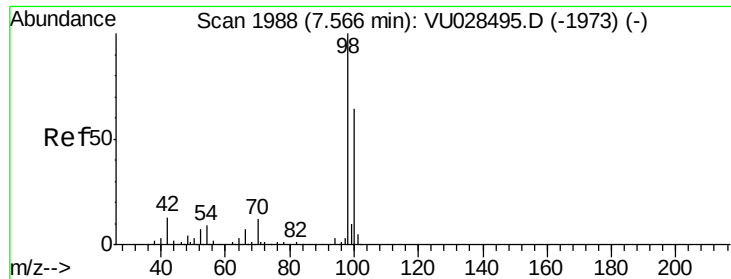


Abundance Ion 41.00 (40.70 to 41.70): VU028495.D (-1680) (-)

Ion 69.00 (68.70 to 69.70): VU028495.D (-1680) (-)

Ion 39.00 (38.70 to 39.70): VU028495.D (-1680) (-)

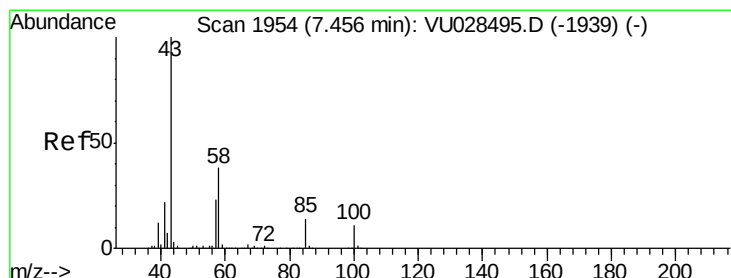
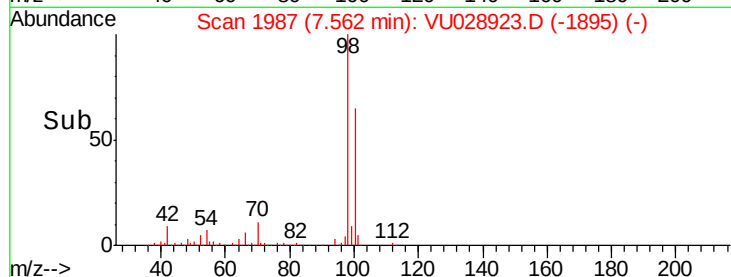
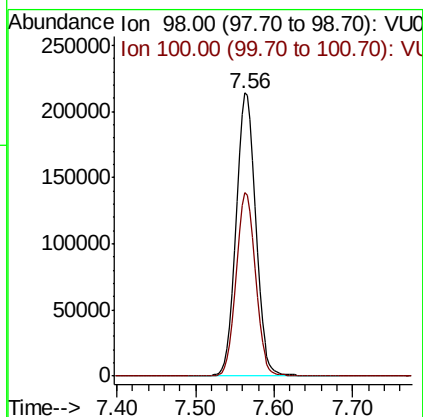
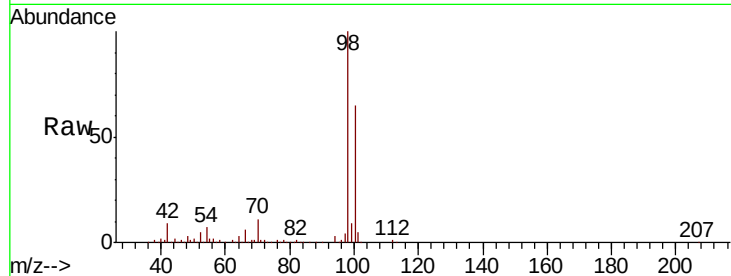




#50
Toluene-d8
Concen: 49.386 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

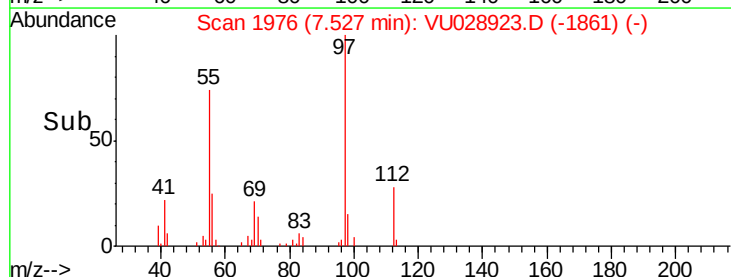
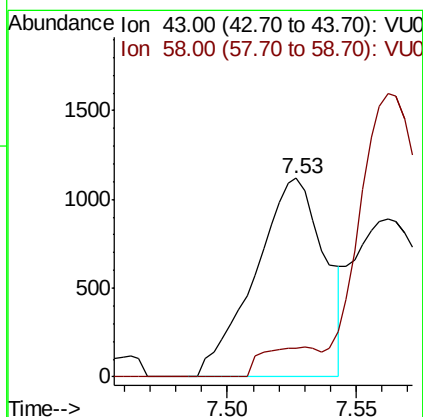
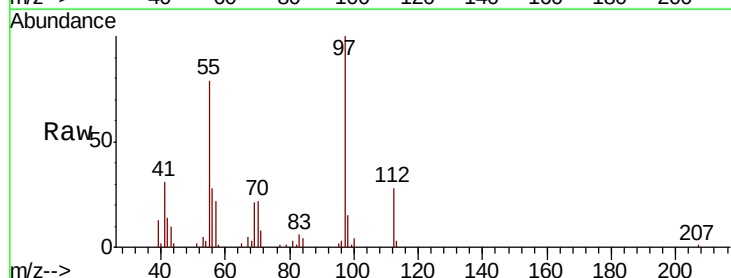
Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-2430-01ME

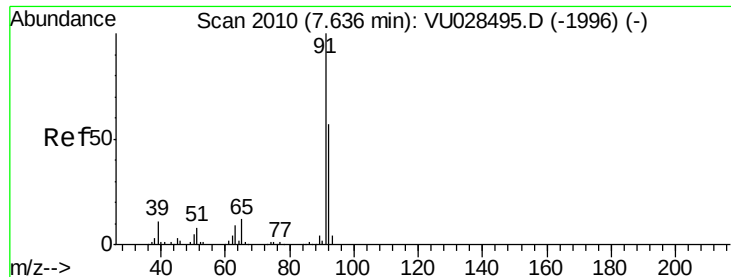
Tgt Ion: 98 Resp: 371621
Ion Ratio Lower Upper
98 100
100 64.0 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 0.491 ug/l
RT: 7.53 min Scan# 1976
Delta R.T. 0.07 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

Tgt Ion: 43 Resp: 2093
Ion Ratio Lower Upper
43 100
58 12.5 30.2 45.2#





#52

Toluene

Concen: 376.892 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

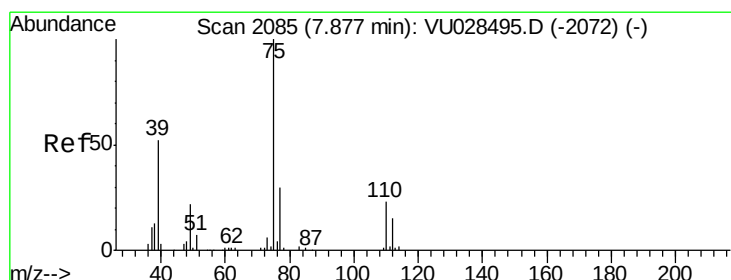
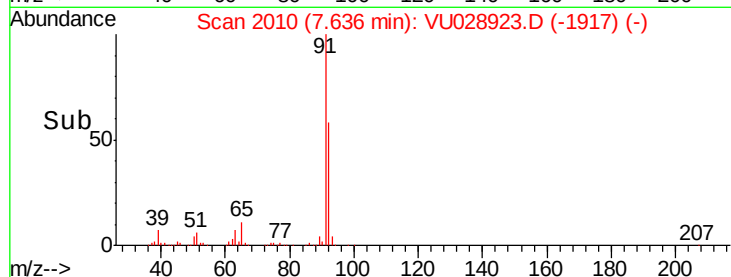
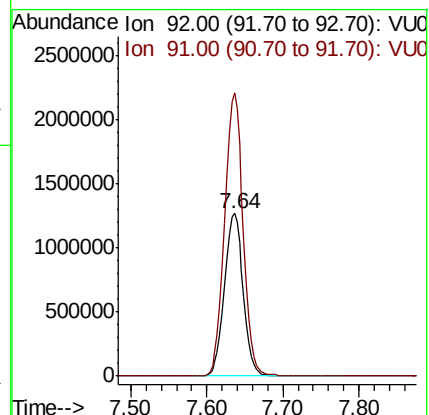
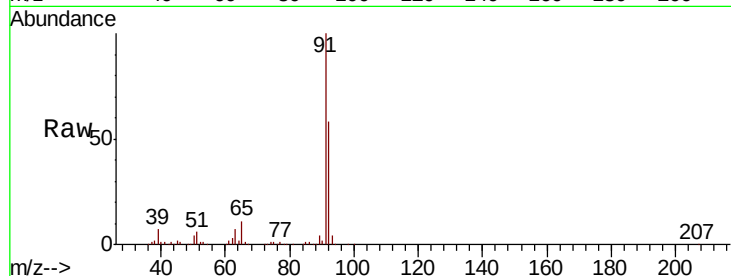
P001-SS013A-2430-01ME

Tgt Ion: 92 Resp: 2160835

Ion Ratio Lower Upper

92 100

91 173.0 140.2 210.4



#53

t-1,3-Dichloropropene

Concen: 5.912 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.24 min

Lab File: VU028923.D

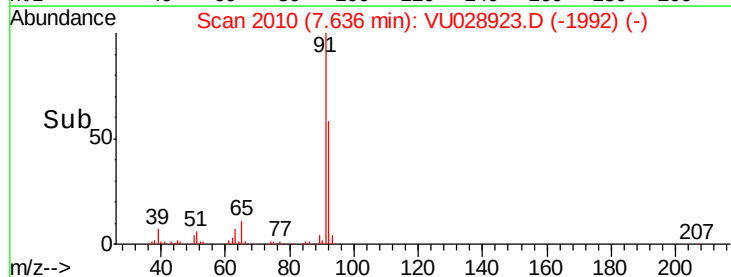
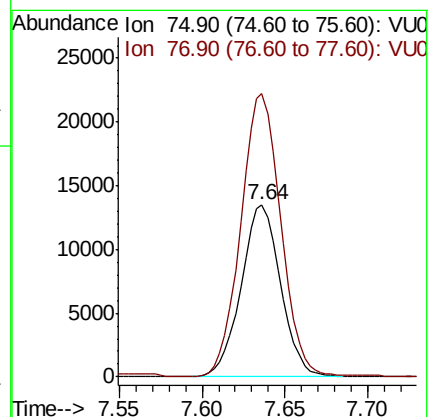
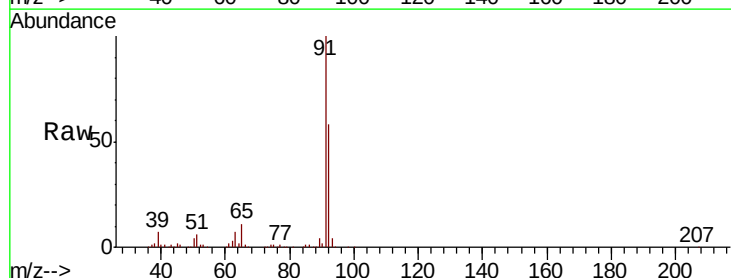
Acq: 22 Dec 2018 18:38

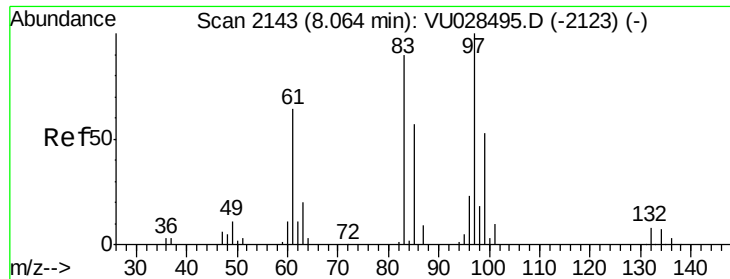
Tgt Ion: 75 Resp: 22271

Ion Ratio Lower Upper

75 100

77 164.5 24.2 36.4#

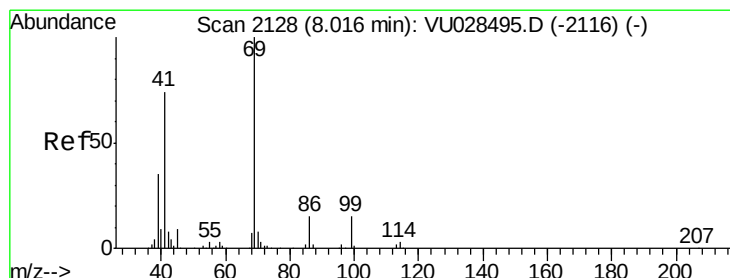
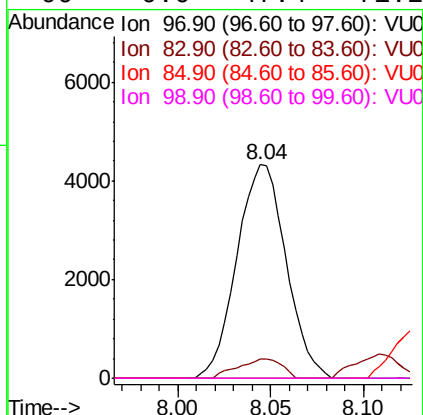
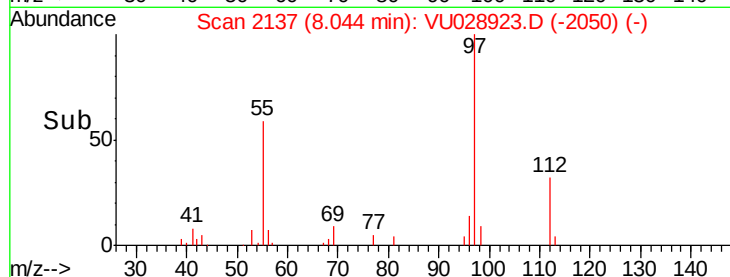
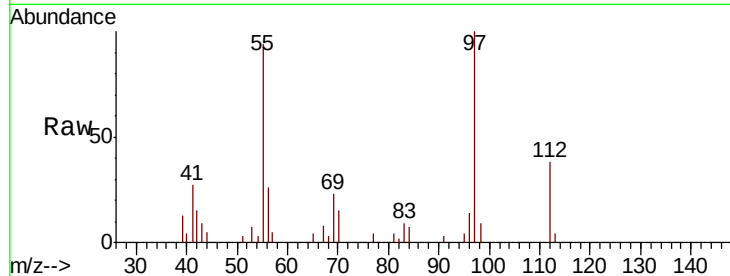




#55
 1,1,2-Trichloroethane
 Concen: 3.526 ug/l
 RT: 8.04 min Scan# 2137
 Delta R.T. -0.02 min
 Lab File: VU028923.D
 Acq: 22 Dec 2018 18:38

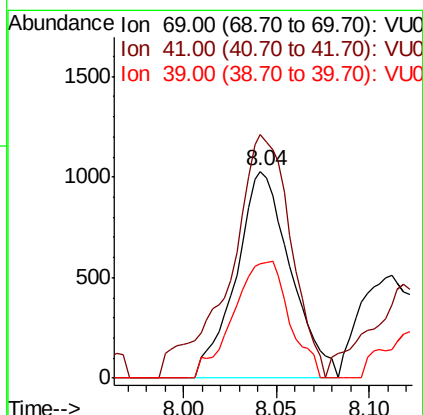
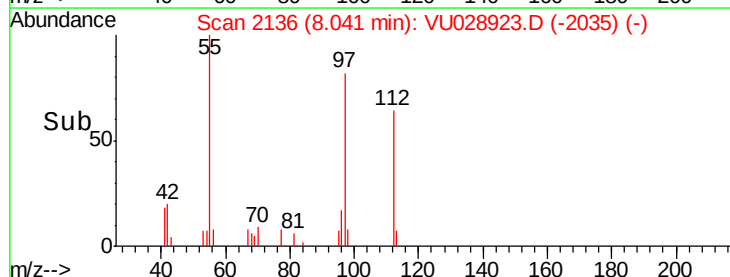
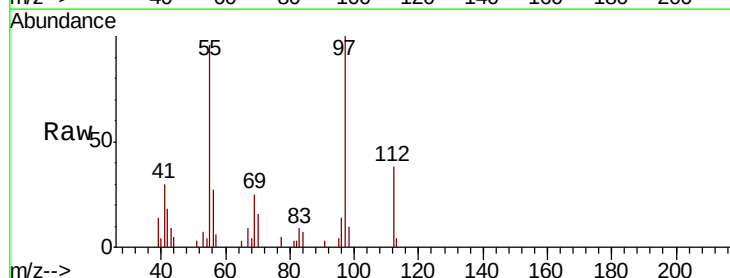
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013A-2430-01ME

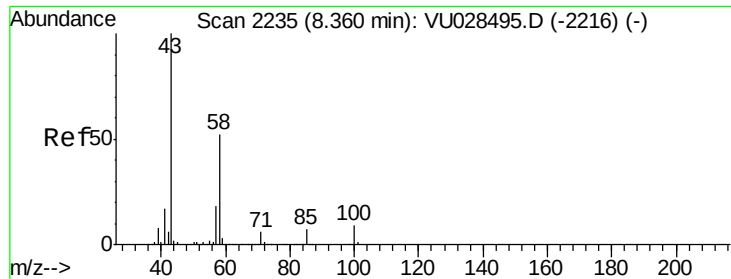
Tgt Ion: 97 Resp: 7992
 Ion Ratio Lower Upper
 97 100
 83 9.3 72.4 108.6#
 85 0.0 46.0 69.0#
 99 0.0 47.4 71.2#



#56
 Ethyl methacrylate
 Concen: 0.542 ug/l
 RT: 8.04 min Scan# 2136
 Delta R.T. 0.03 min
 Lab File: VU028923.D
 Acq: 22 Dec 2018 18:38

Tgt Ion: 69 Resp: 2104
 Ion Ratio Lower Upper
 69 100
 41 131.7 59.1 88.7#
 39 57.9 28.4 42.6#

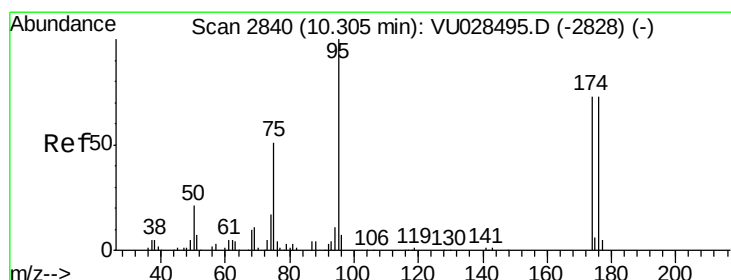
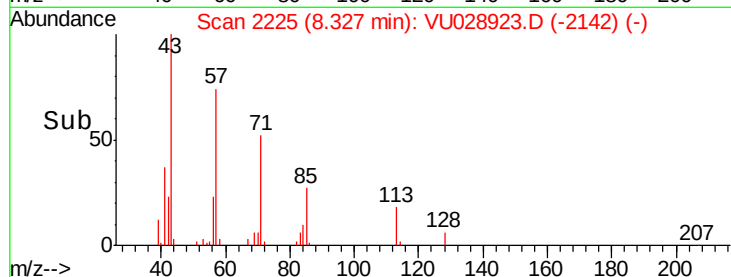
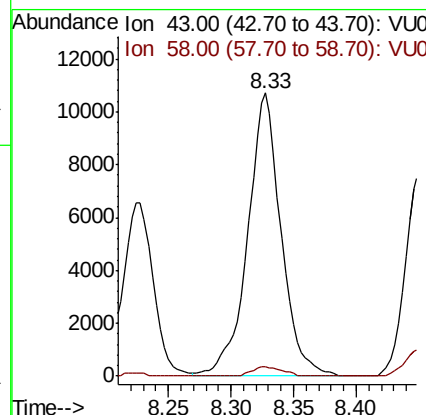
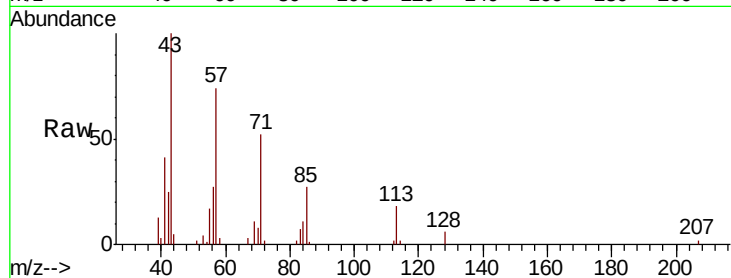




#59
 2-Hexanone
 Concen: 5.877 ug/l
 RT: 8.33 min Scan# 2225
 Delta R.T. -0.03 min
 Lab File: VU028923.D
 Acq: 22 Dec 2018 18:38

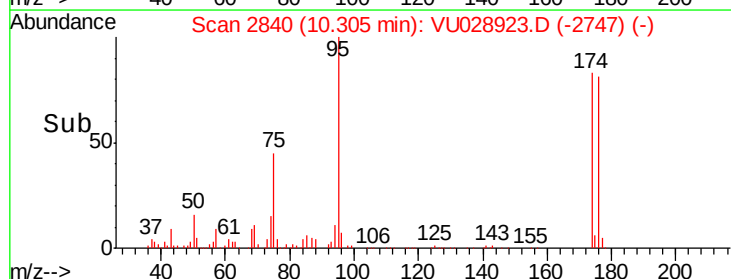
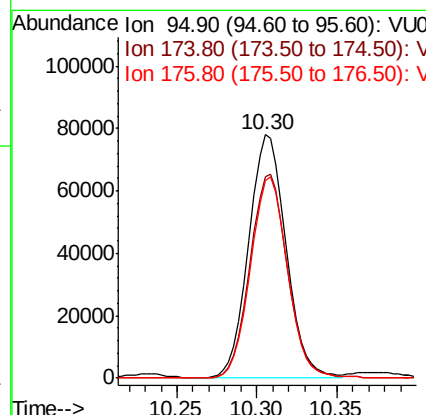
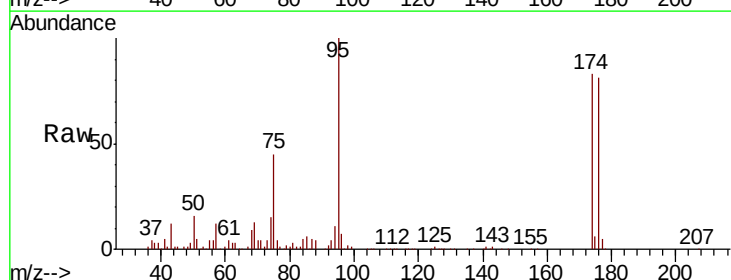
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013A-2430-01ME

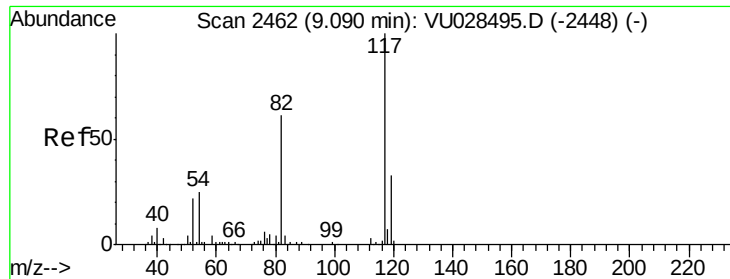
Tgt Ion: 43 Resp: 19870
 Ion Ratio Lower Upper
 43 100
 58 2.9 25.9 77.6#



#62
 4-Bromofluorobenzene
 Concen: 44.003 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028923.D
 Acq: 22 Dec 2018 18:38

Tgt Ion: 95 Resp: 123757
 Ion Ratio Lower Upper
 95 100
 174 84.8 0.0 150.4
 176 82.6 0.0 145.2

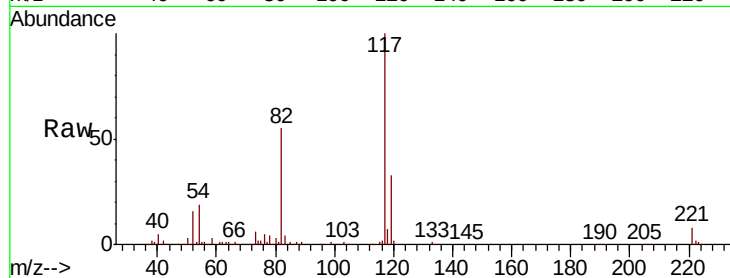




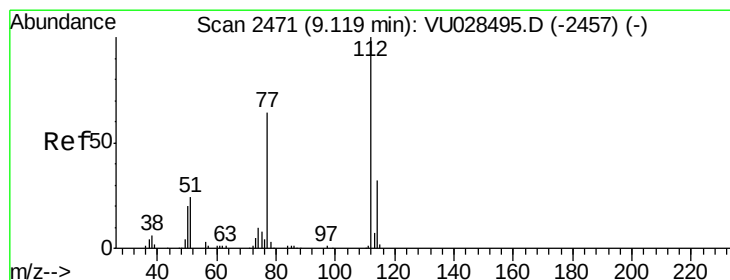
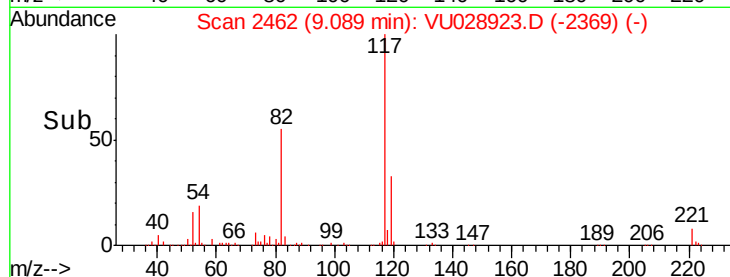
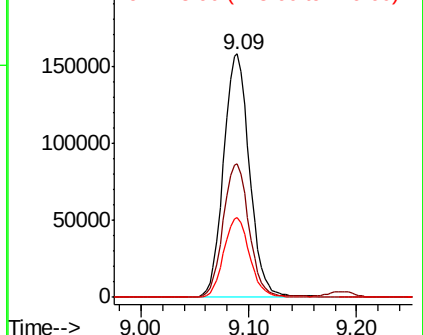
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-2430-01ME

Tgt Ion:117 Resp: 264727
Ion Ratio Lower Upper
117 100
82 54.5 48.9 73.3
119 32.8 26.2 39.4

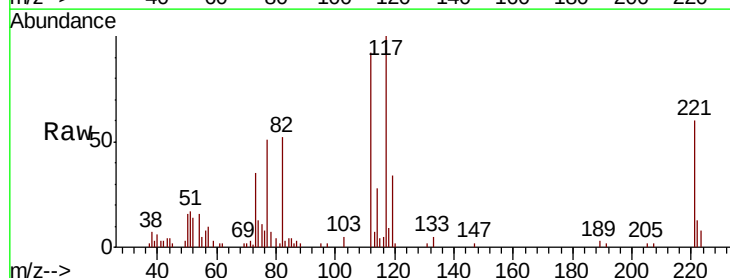


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

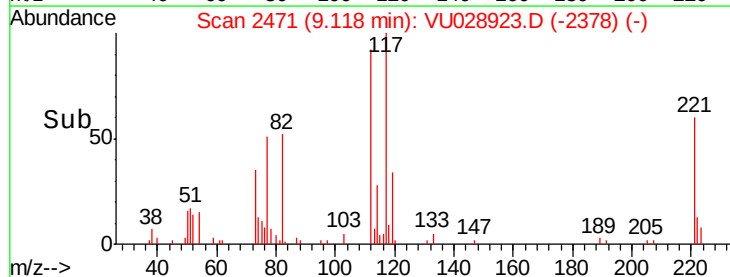
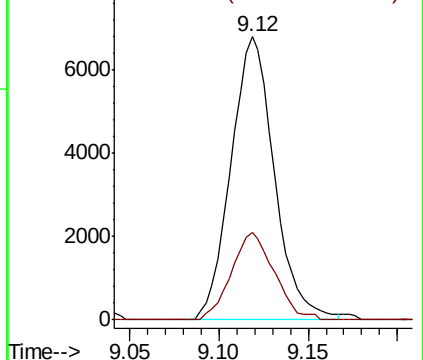


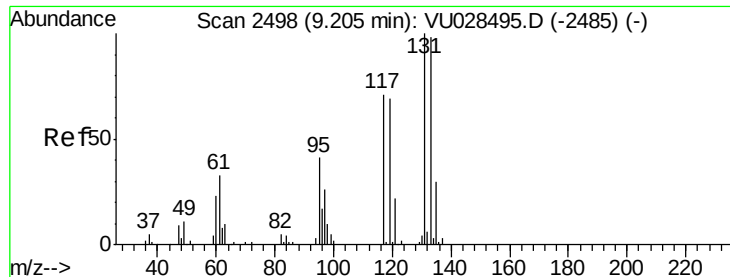
#65
Chlorobenzene
Concen: 2.036 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

Tgt Ion:112 Resp: 11486
Ion Ratio Lower Upper
112 100
114 30.7 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 0.527 ug/l

RT: 9.10 min Scan# 2464

Delta R.T. -0.11 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

P001-SS013A-2430-01ME

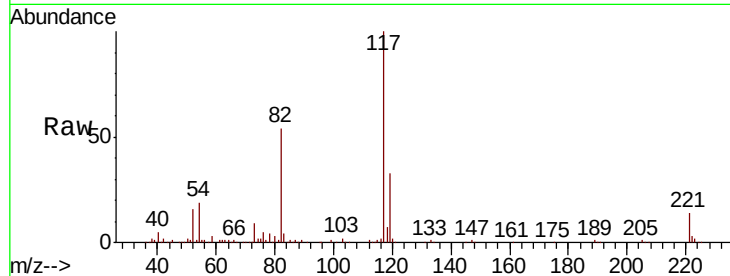
Tgt Ion:131 Resp: 949

Ion Ratio Lower Upper

131 100

133 252.7 48.0 144.0#

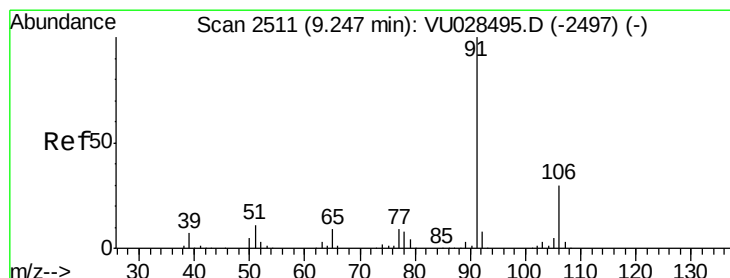
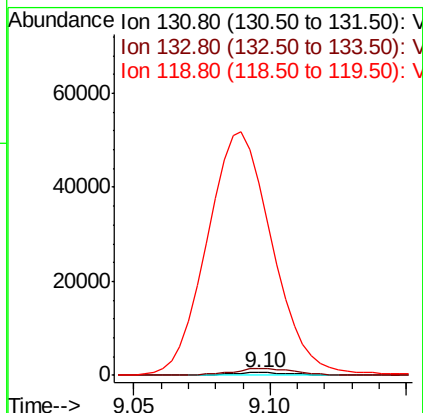
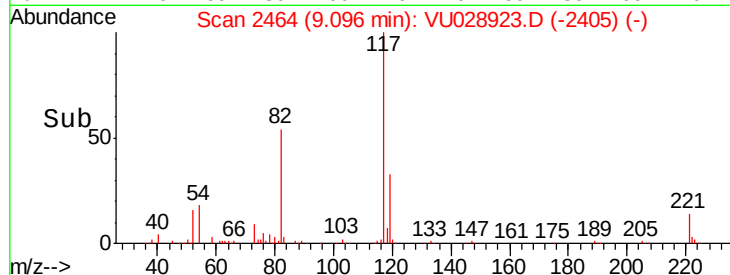
119 9118.8 34.6 103.9#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 180.452 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028923.D

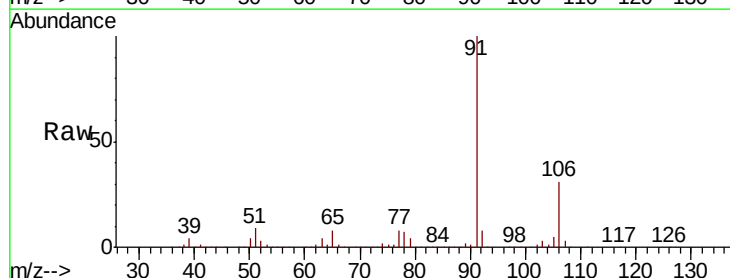
Acq: 22 Dec 2018 18:38

Tgt Ion: 91 Resp: 1871301

Ion Ratio Lower Upper

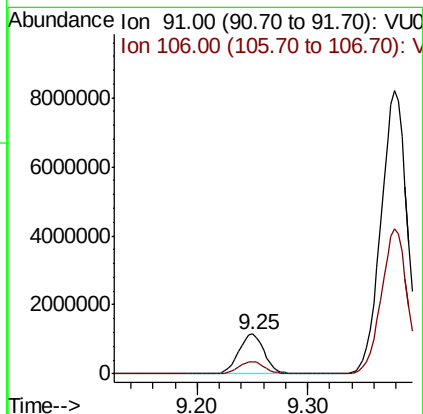
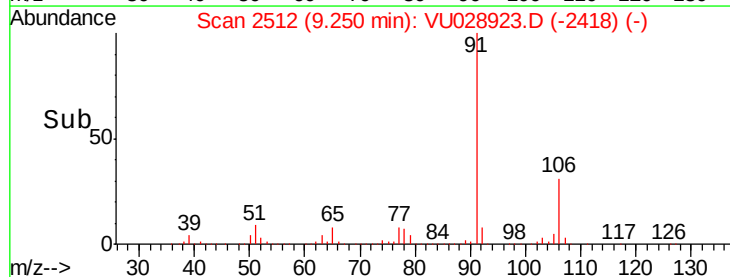
91 100

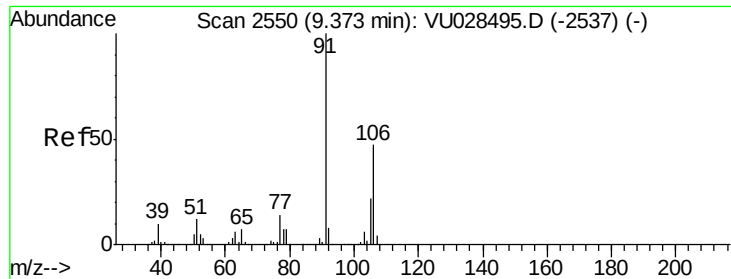
106 31.3 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

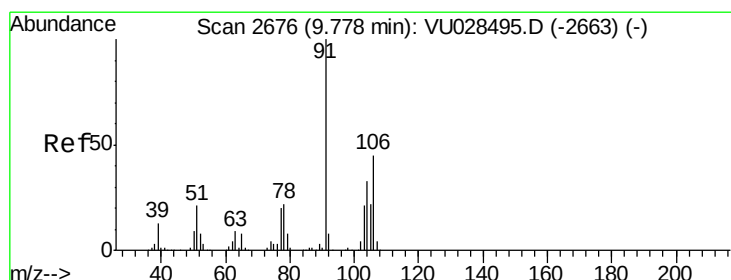
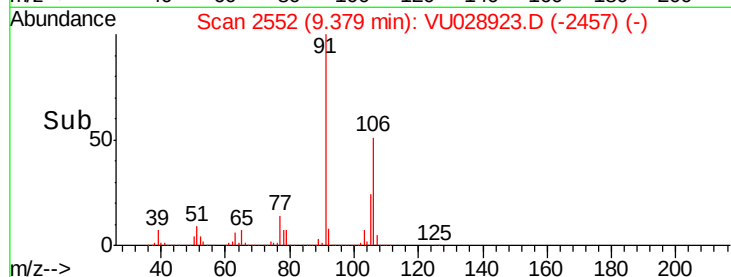
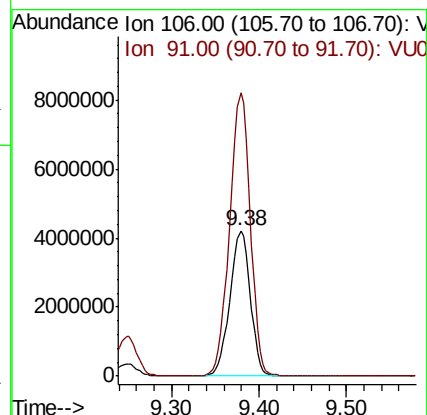
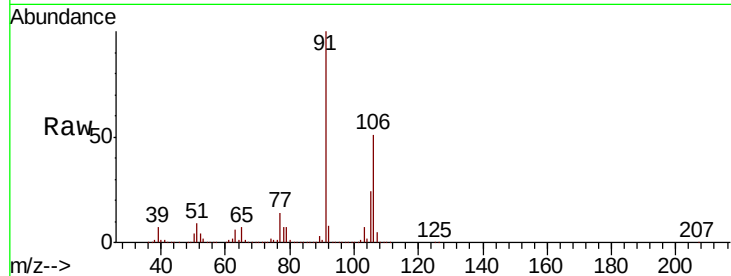




#68
m/p-Xylenes
Concen: 1820.684 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.01 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

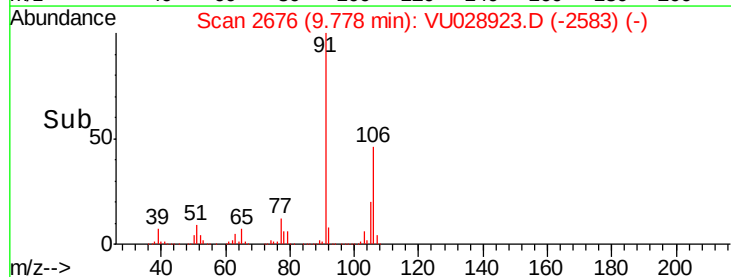
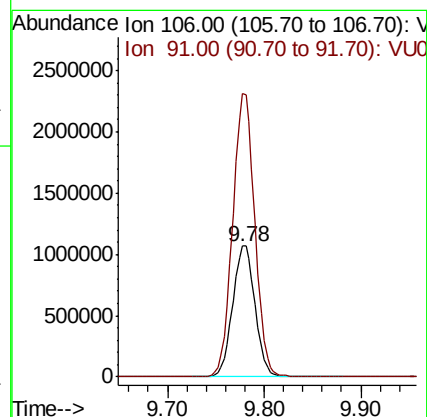
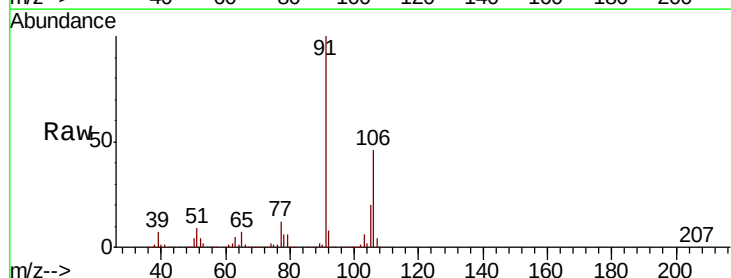
Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-2430-01ME

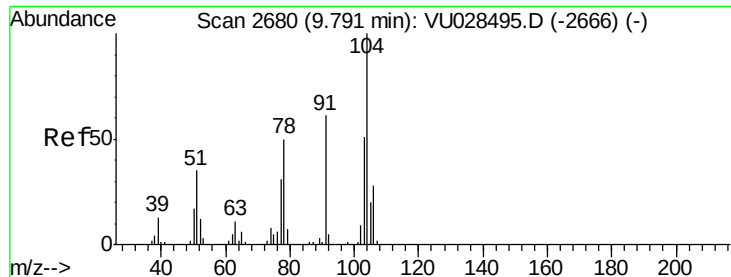
Tgt Ion:106 Resp: 6870173
Ion Ratio Lower Upper
106 100
91 196.7 167.4 251.0



#69
o-Xylene
Concen: 465.958 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

Tgt Ion:106 Resp: 1708664
Ion Ratio Lower Upper
106 100
91 214.5 111.3 334.0

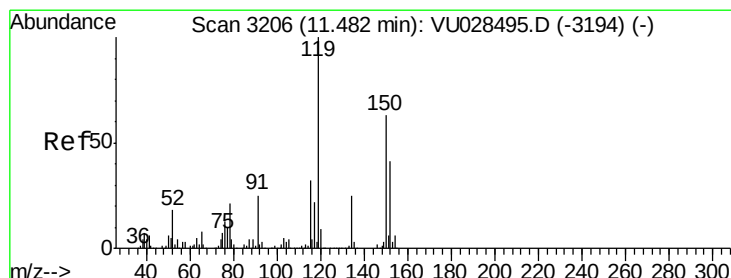
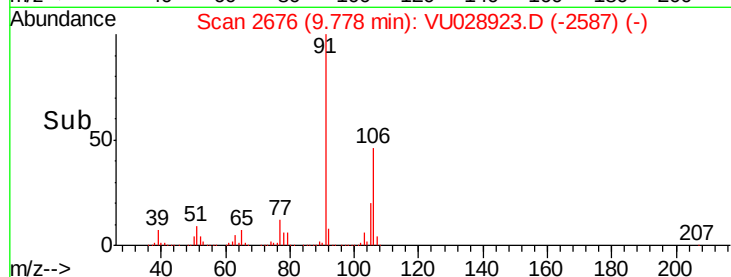
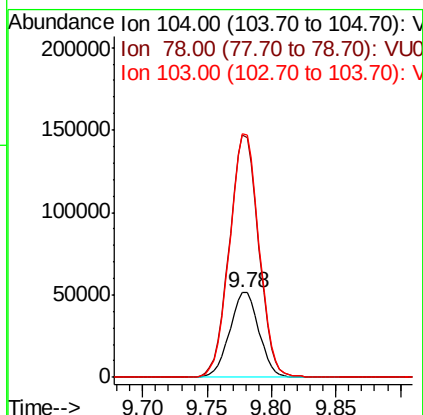
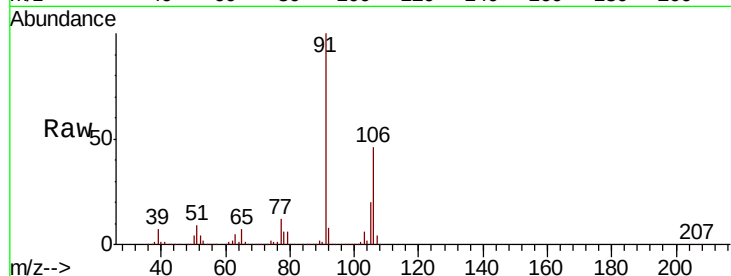




#70
Styrene
Concen: 13.420 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.01 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

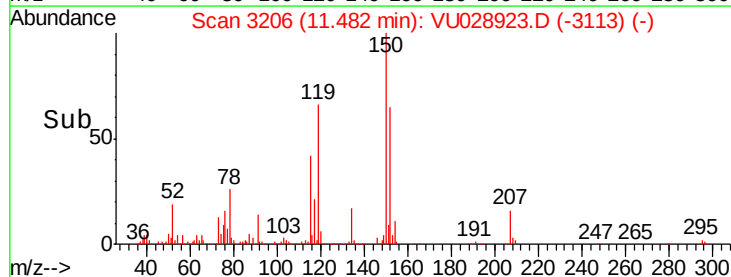
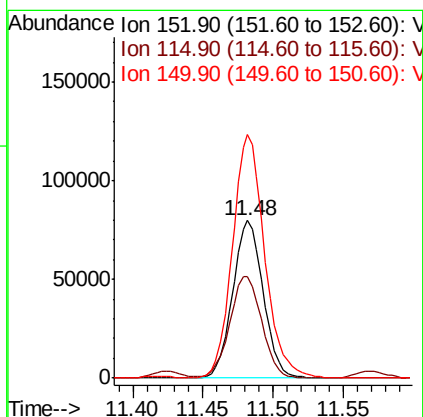
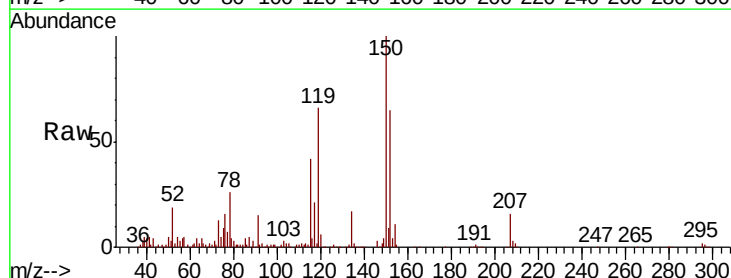
Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-2430-01ME

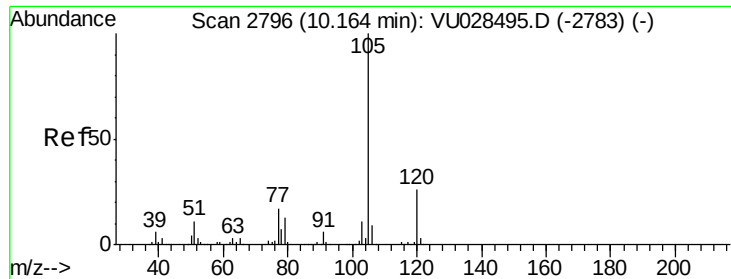
Tgt Ion:104 Resp: 81442
Ion Ratio Lower Upper
104 100
78 286.5 43.0 64.6#
103 287.5 44.2 66.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

Tgt Ion:152 Resp: 120325
Ion Ratio Lower Upper
152 100
115 68.3 42.7 128.1
150 162.8 0.0 346.0





#73

Isopropylbenzene

Concen: 9.511 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

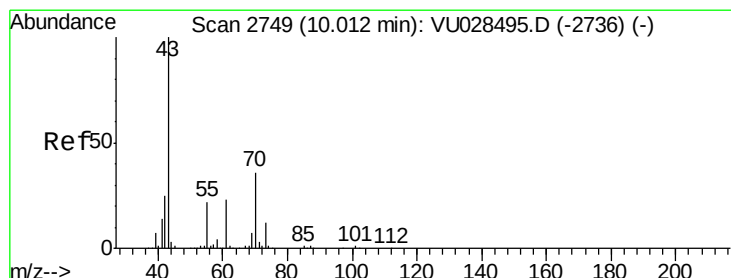
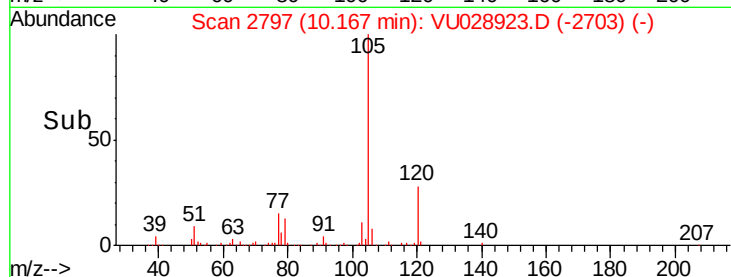
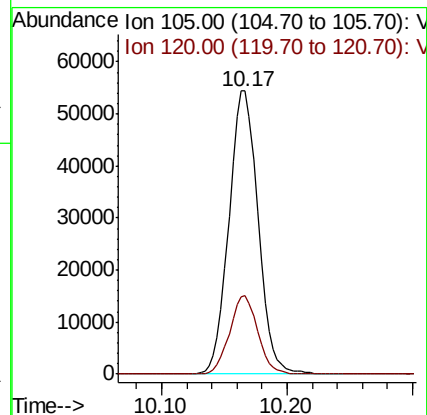
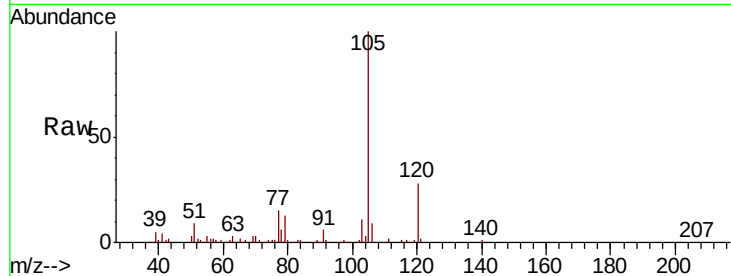
P001-SS013A-2430-01ME

Tgt Ion:105 Resp: 87813

Ion Ratio Lower Upper

105 100

120 26.7 12.9 38.6



#74

N-ethyl acetate

Concen: 0.432 ug/l

RT: 10.01 min Scan# 2747

Delta R.T. -0.01 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

Tgt Ion: 43 Resp: 2299

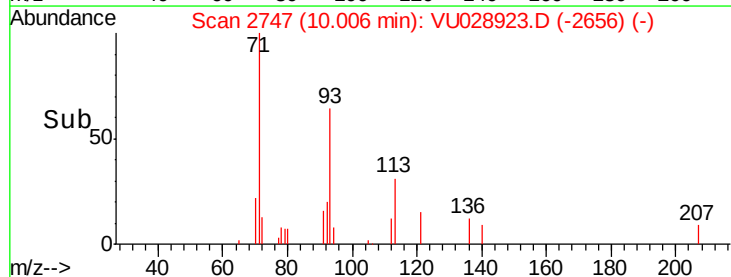
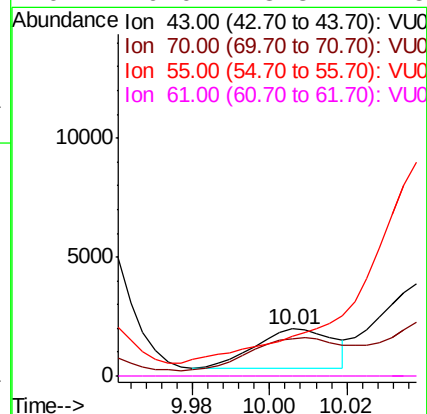
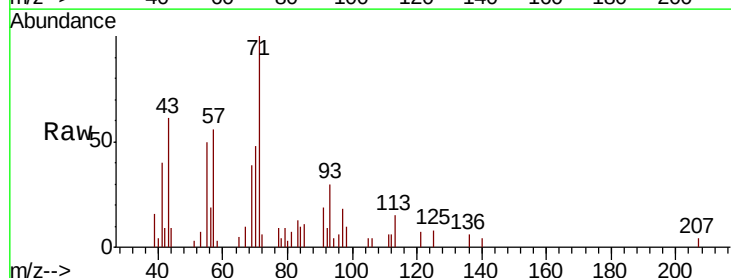
Ion Ratio Lower Upper

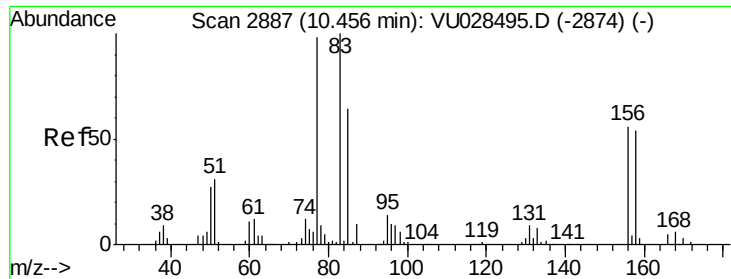
43 100

70 100.7 29.3 43.9#

55 0.0 18.0 27.0#

61 0.0 18.3 27.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.276 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

P001-SS013A-2430-01ME

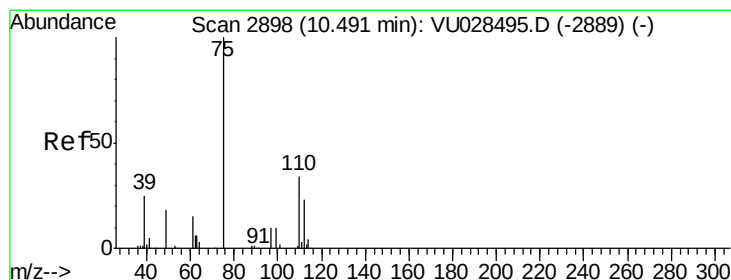
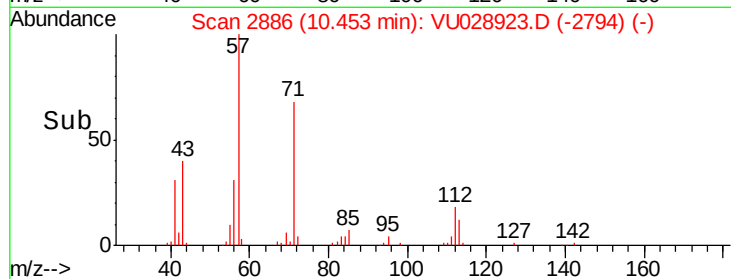
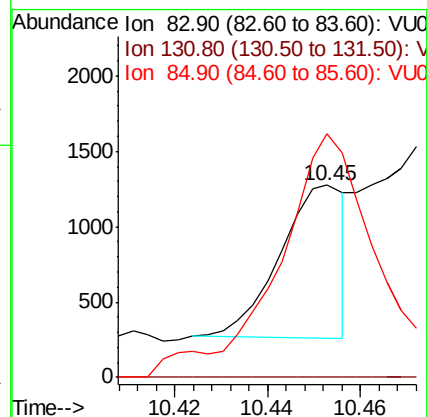
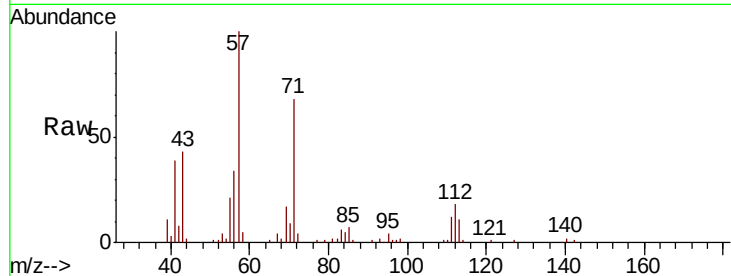
Tgt Ion: 83 Resp: 979

Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.4#

85 244.7 31.8 95.4#



#76

1,2,3-Trichloropropane

Concen: 14.181 ug/l

RT: 10.61 min Scan# 2934

Delta R.T. 0.12 min

Lab File: VU028923.D

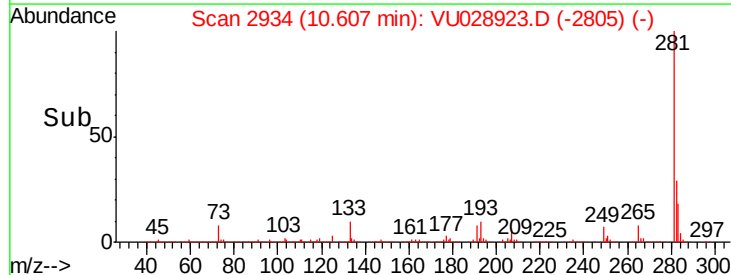
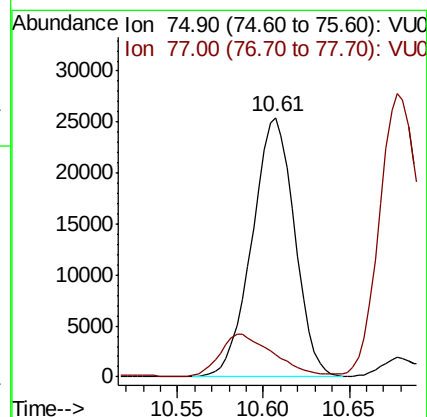
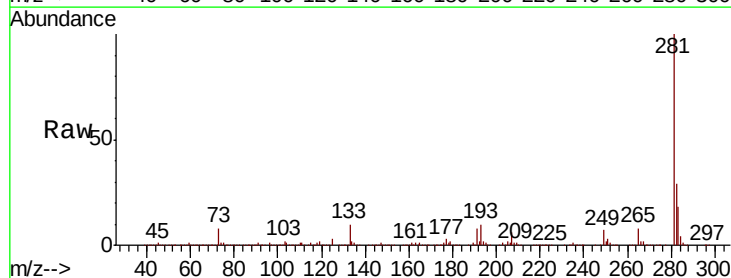
Acq: 22 Dec 2018 18:38

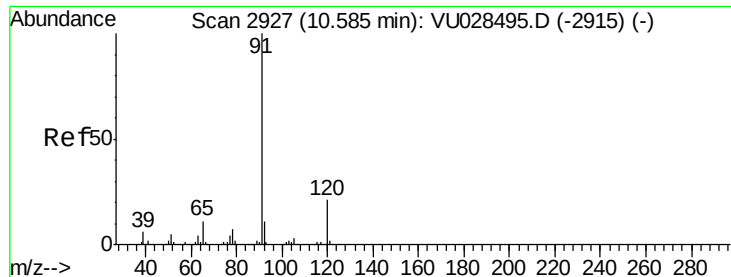
Tgt Ion: 75 Resp: 43571

Ion Ratio Lower Upper

75 100

77 0.0 20.8 62.4#





#78

n-propylbenzene

Concen: 14.660 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

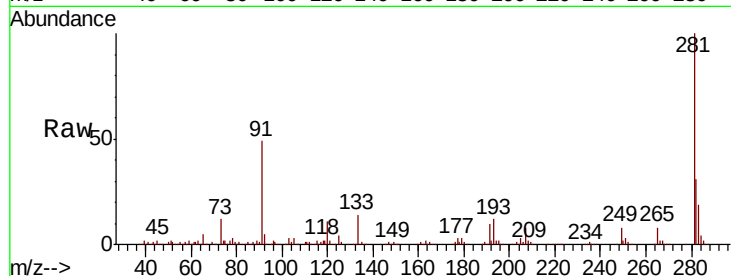
P001-SS013A-2430-01ME

Tgt Ion: 91 Resp: 168189

Ion Ratio Lower Upper

91 100

120 26.3 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

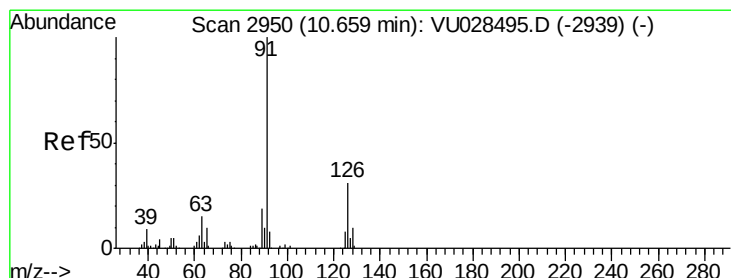
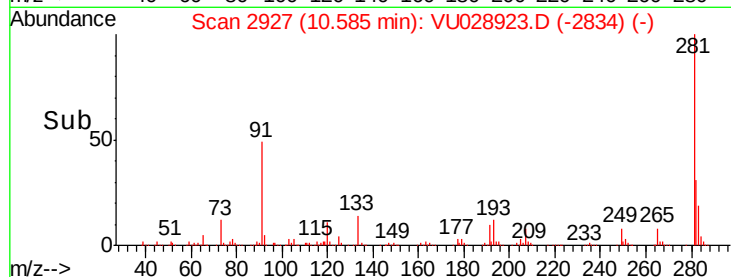
60000

40000

20000

0

Time--> 10.50 10.55 10.60 10.65



#79

2-Chlorotoluene

Concen: 9.079 ug/l

RT: 10.68 min Scan# 2956

Delta R.T. 0.02 min

Lab File: VU028923.D

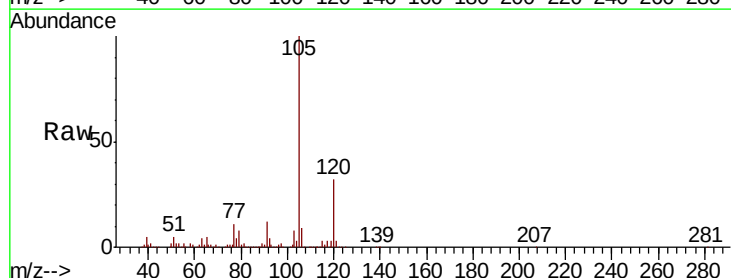
Acq: 22 Dec 2018 18:38

Tgt Ion: 91 Resp: 59999

Ion Ratio Lower Upper

91 100

126 0.0 15.6 46.8#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

40000

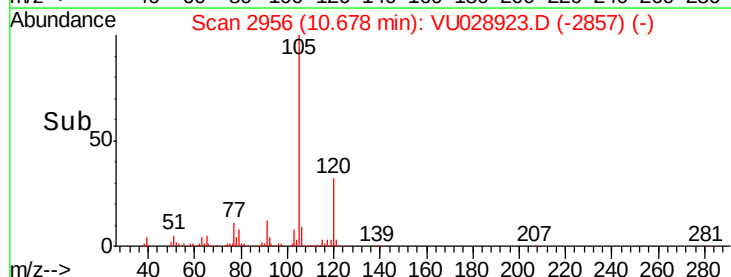
30000

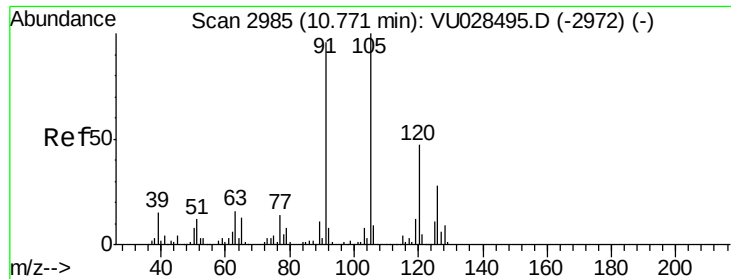
20000

10000

0

Time--> 10.60 10.65 10.70 10.75

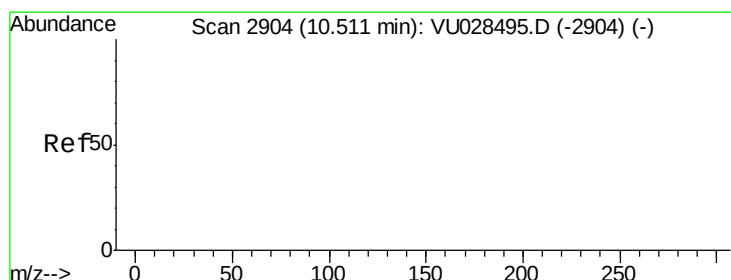
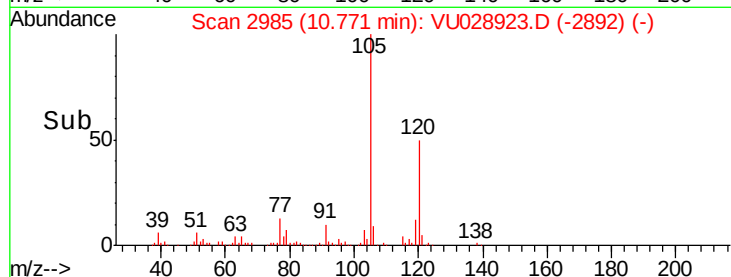
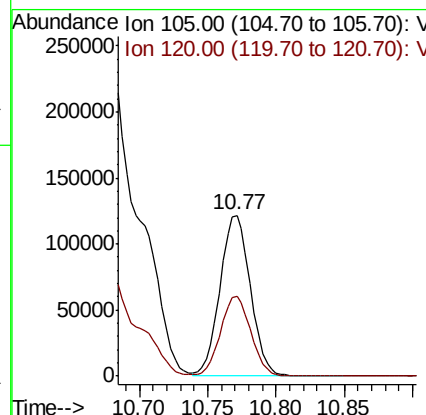
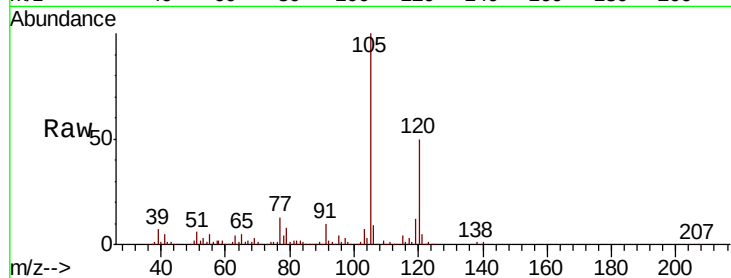




#80
 1,3,5-Trimethylbenzene
 Concen: 24.666 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028923.D
 Acq: 22 Dec 2018 18:38

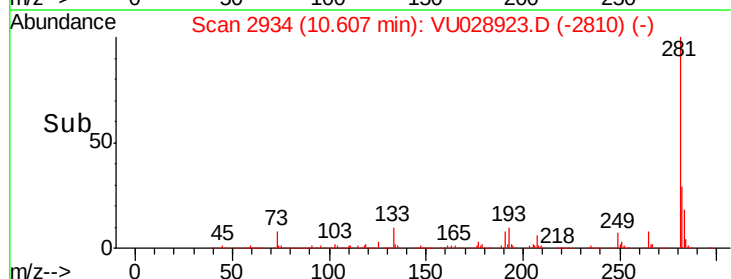
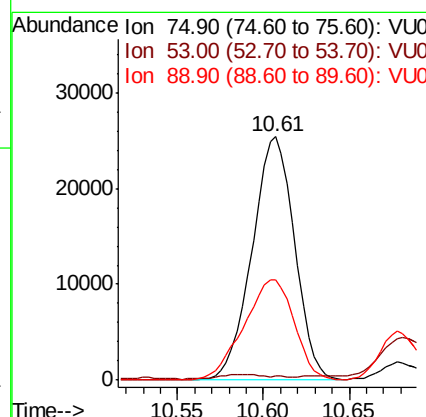
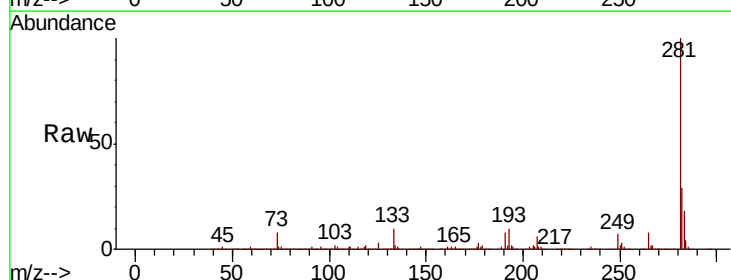
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013A-2430-01ME

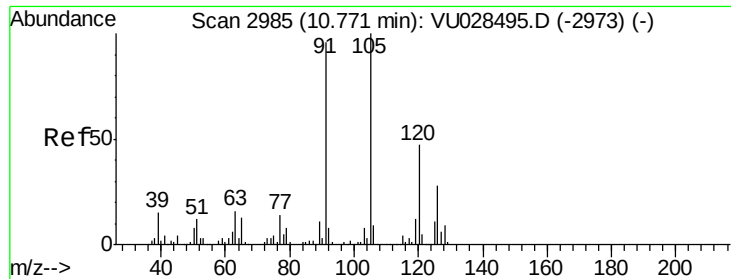
Tgt Ion:105 Resp: 188520
 Ion Ratio Lower Upper
 105 100
 120 49.8 23.7 71.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 35.025 ug/l
 RT: 10.61 min Scan# 2934
 Delta R.T. 0.10 min
 Lab File: VU028923.D
 Acq: 22 Dec 2018 18:38

Tgt Ion: 75 Resp: 43571
 Ion Ratio Lower Upper
 75 100
 53 1.9 0.0 0.0#
 89 48.9 0.0 0.0#





#82

4-Chlorotoluene

Concen: 2.308 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

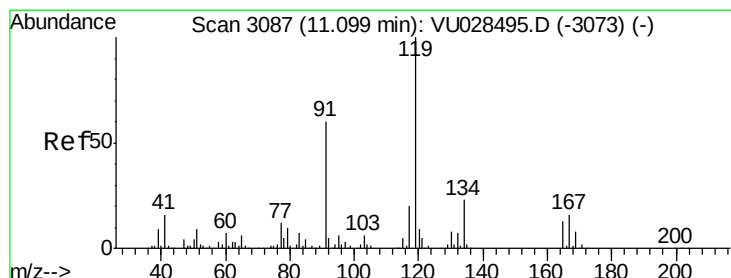
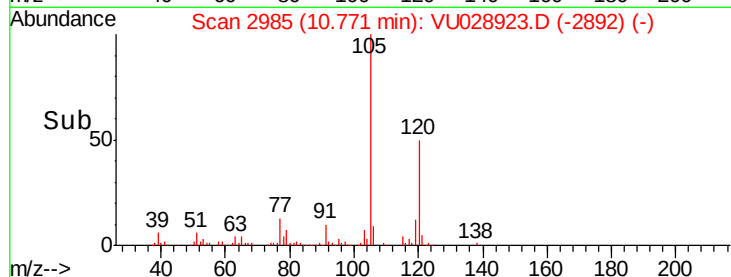
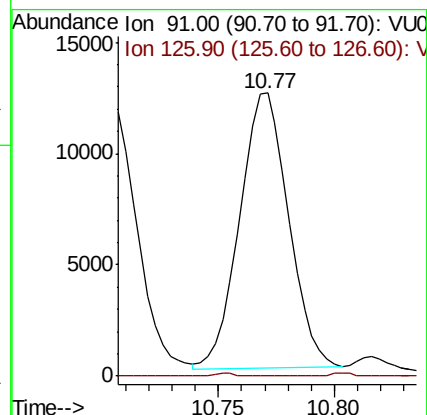
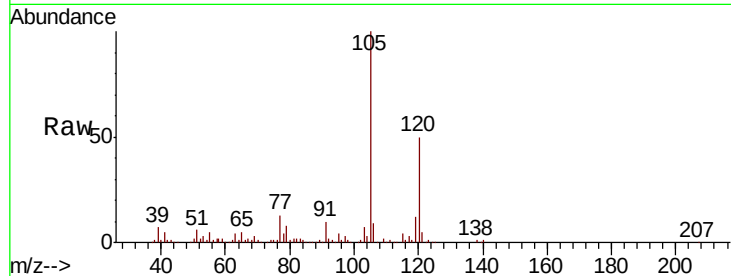
P001-SS013A-2430-01ME

Tgt Ion: 91 Resp: 18077

Ion Ratio Lower Upper

91 100

126 0.0 14.1 42.3#



#83

tert-Butylbenzene

Concen: 0.287 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

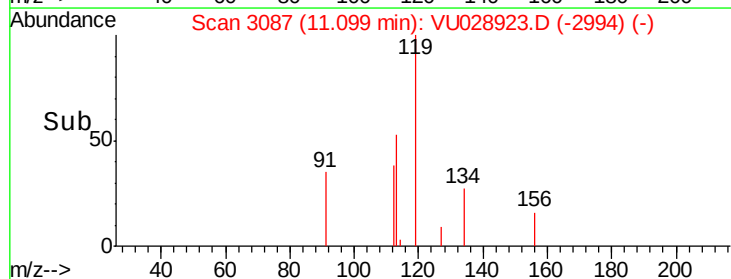
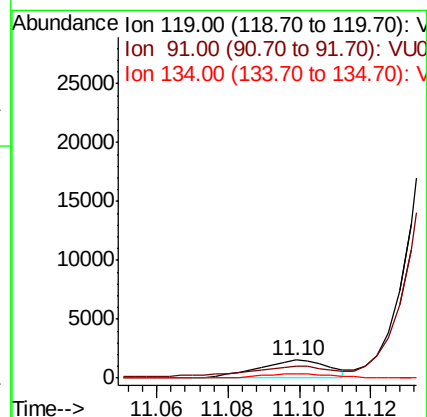
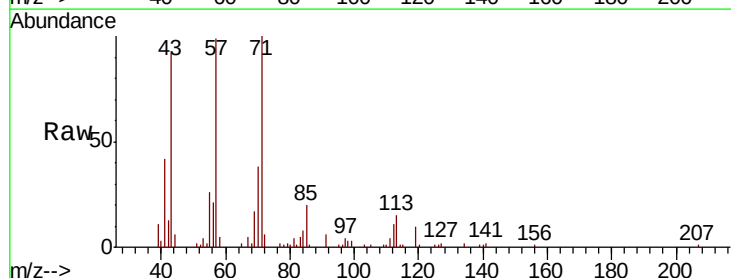
Tgt Ion: 119 Resp: 2113

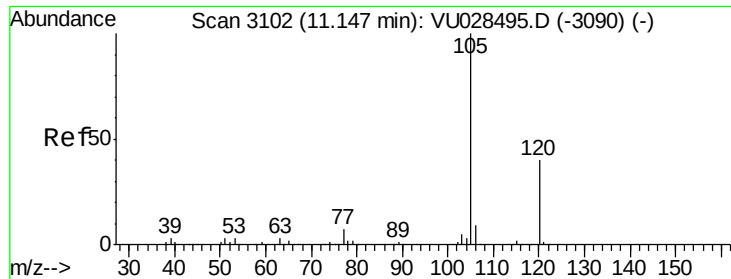
Ion Ratio Lower Upper

119 100

91 0.0 30.3 91.0#

134 22.1 11.2 33.5

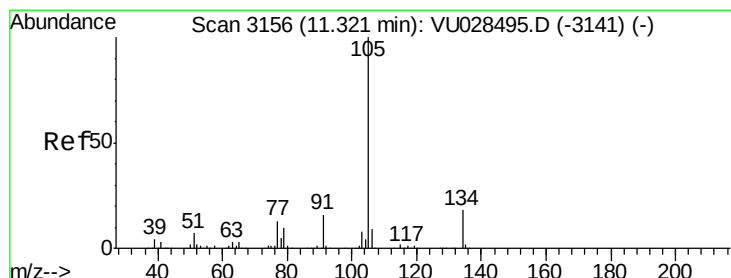
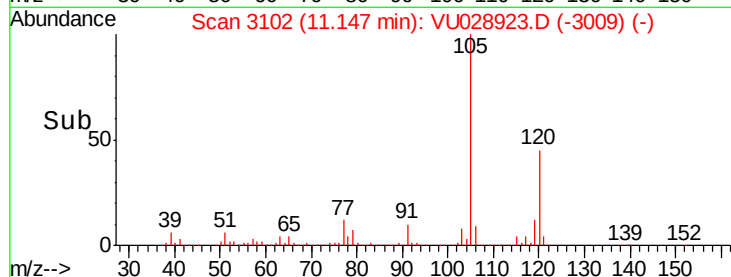
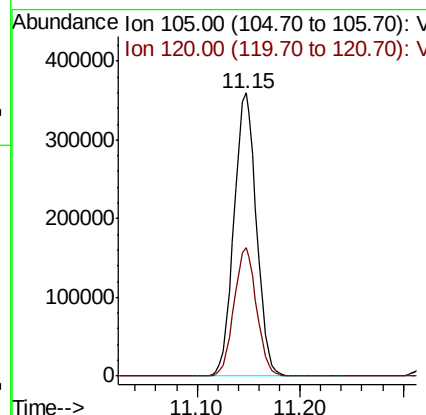
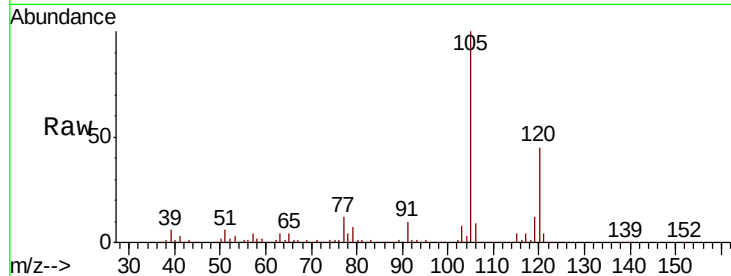




#84
 1,2,4-Trimethylbenzene
 Concen: 69.371 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028923.D
 Acq: 22 Dec 2018 18:38

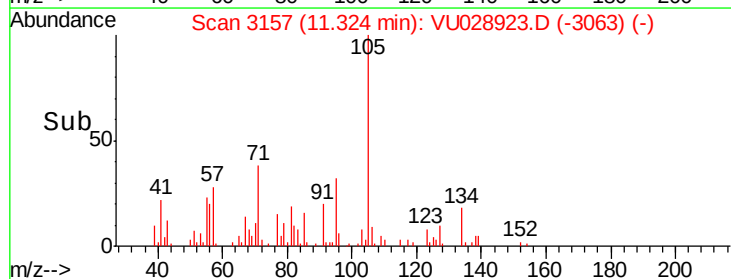
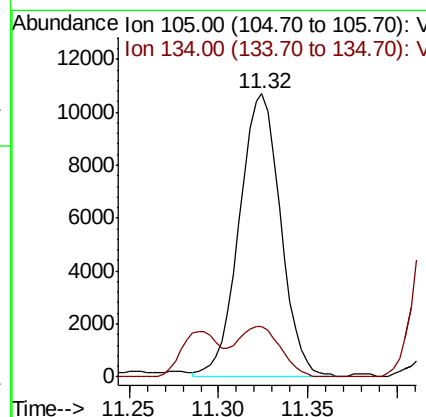
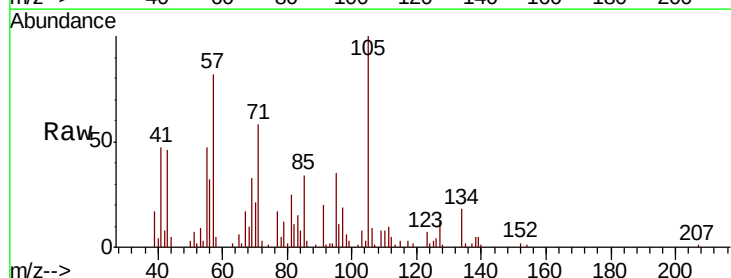
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013A-2430-01ME

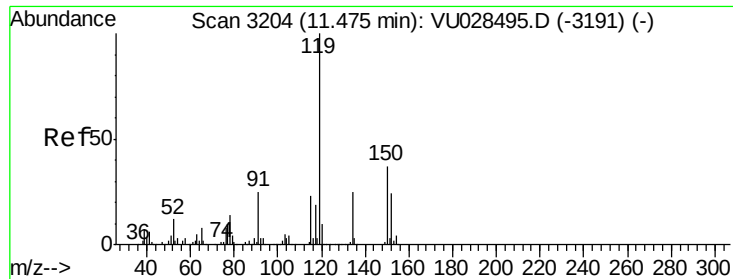
Tgt Ion:105 Resp: 546404
 Ion Ratio Lower Upper
 105 100
 120 45.5 21.8 65.4



#85
 sec-Butylbenzene
 Concen: 1.826 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028923.D
 Acq: 22 Dec 2018 18:38

Tgt Ion:105 Resp: 17285
 Ion Ratio Lower Upper
 105 100
 134 18.3 9.2 27.6

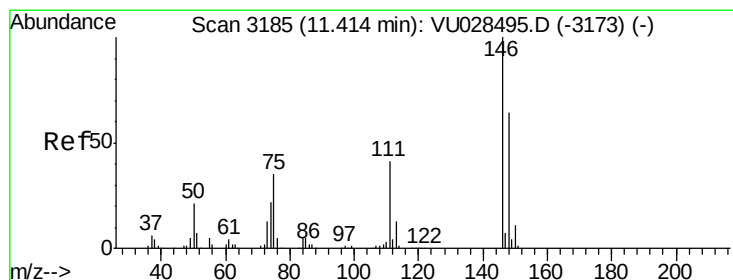
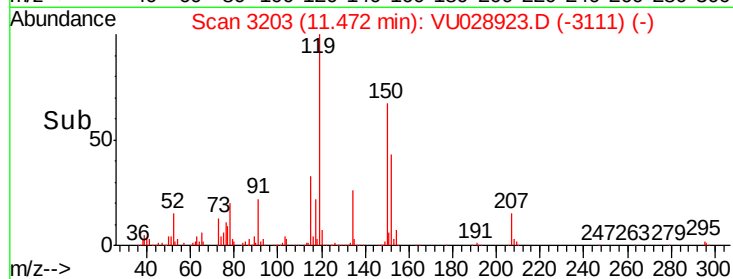
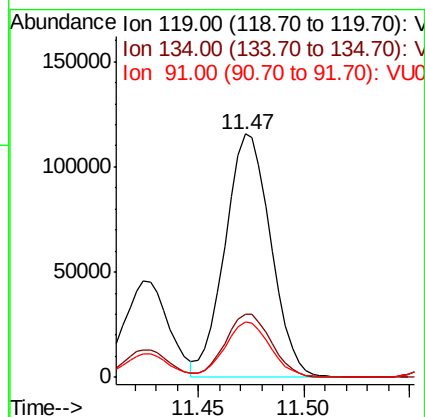
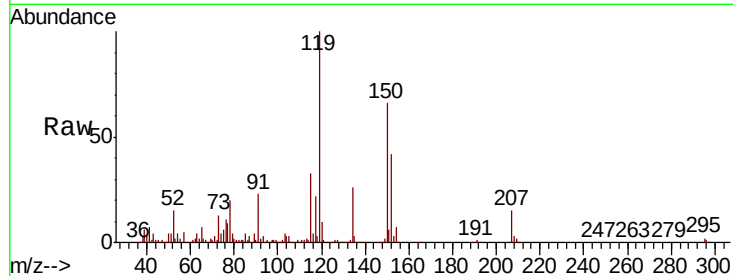




#86
 p-Isopropyltoluene
 Concen: 21.549 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU028923.D
 Acq: 22 Dec 2018 18:38

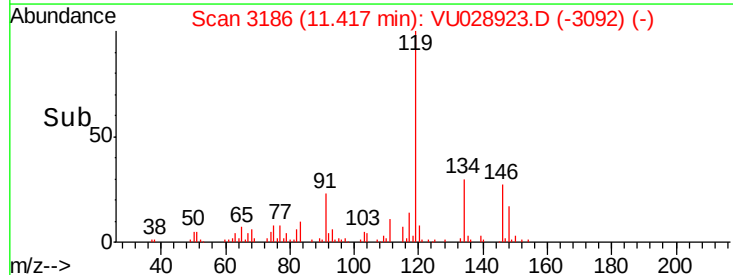
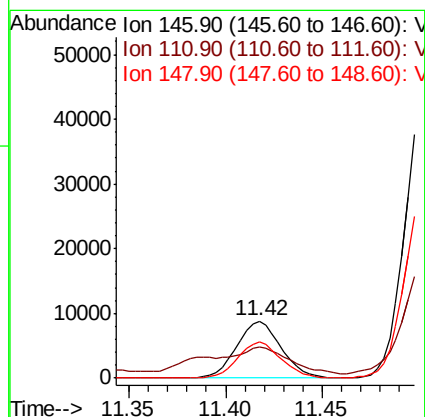
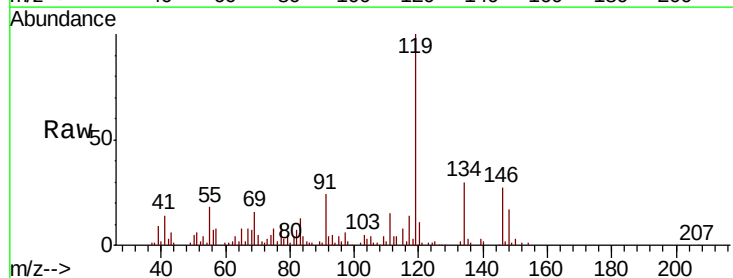
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013A-2430-01ME

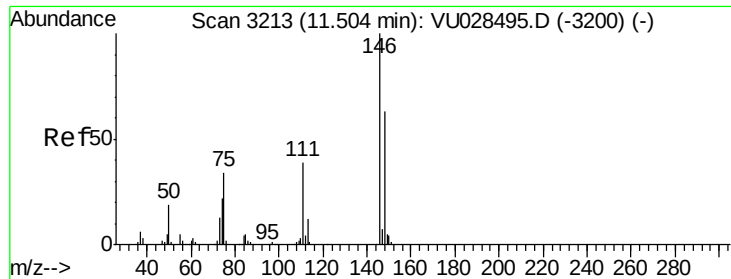
Tgt Ion:119 Resp: 173234
 Ion Ratio Lower Upper
 119 100
 134 26.5 12.7 38.1
 91 22.5 12.6 37.6



#87
 1,3-Dichlorobenzene
 Concen: 3.428 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028923.D
 Acq: 22 Dec 2018 18:38

Tgt Ion:146 Resp: 13977
 Ion Ratio Lower Upper
 146 100
 111 47.9 20.7 62.1
 148 62.7 31.9 95.7

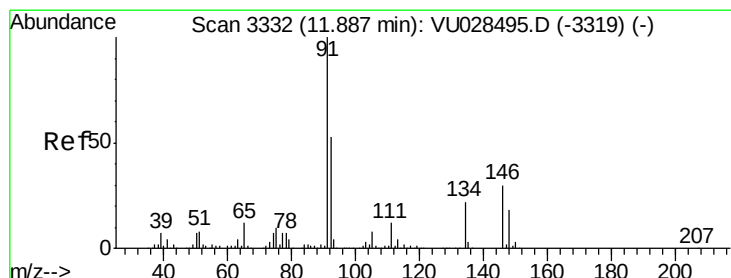
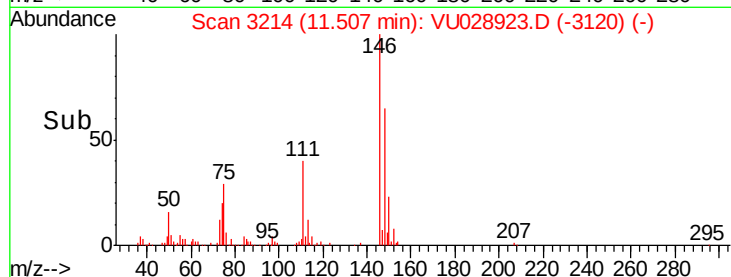
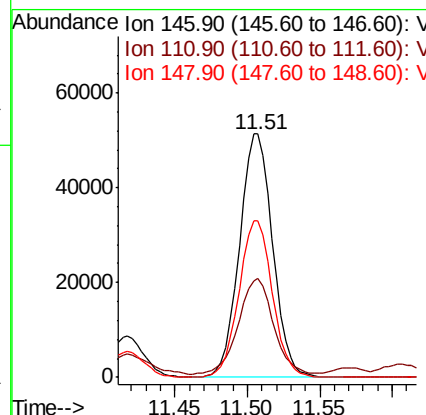
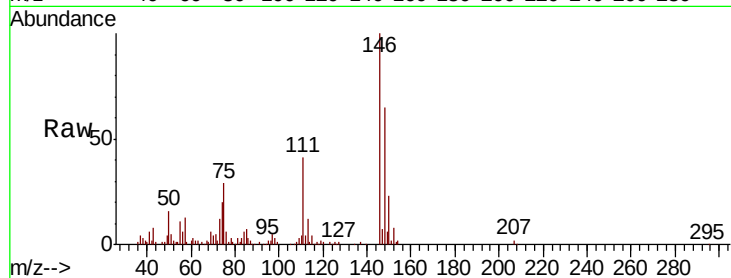




#88
 1,4-Dichlorobenzene
 Concen: 19.308 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028923.D
 Acq: 22 Dec 2018 18:38

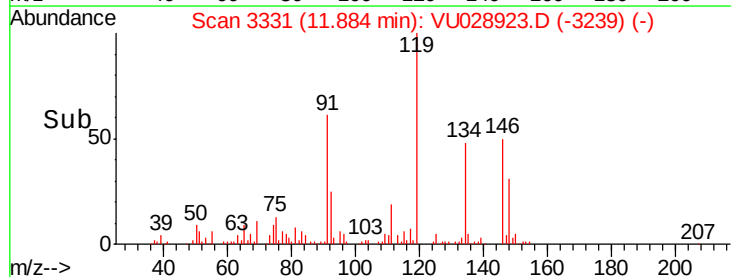
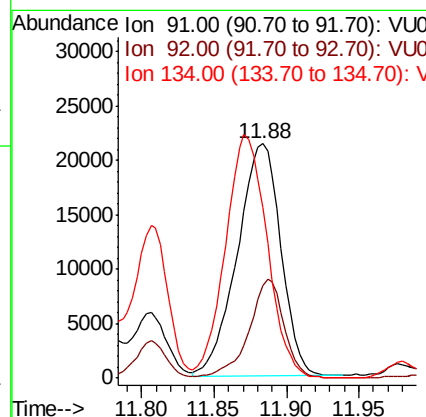
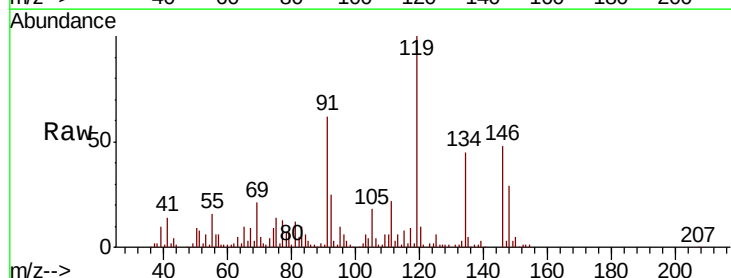
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013A-2430-01ME

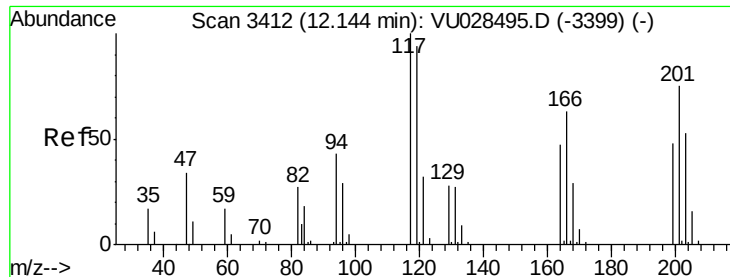
Tgt Ion:146 Resp: 81451
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.2 60.5
 148 65.2 31.6 95.0



#89
 n-Butylbenzene
 Concen: 5.483 ug/l
 RT: 11.88 min Scan# 3331
 Delta R.T. -0.00 min
 Lab File: VU028923.D
 Acq: 22 Dec 2018 18:38

Tgt Ion: 91 Resp: 44607
 Ion Ratio Lower Upper
 91 100
 92 34.5 26.3 78.9
 134 100.4 11.3 33.8#





#90

Hexachloroethane

Concen: 4.568 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

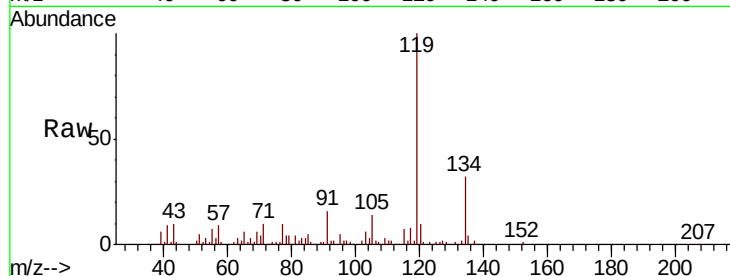
P001-SS013A-2430-01ME

Tgt Ion:117 Resp: 5550

Ion Ratio Lower Upper

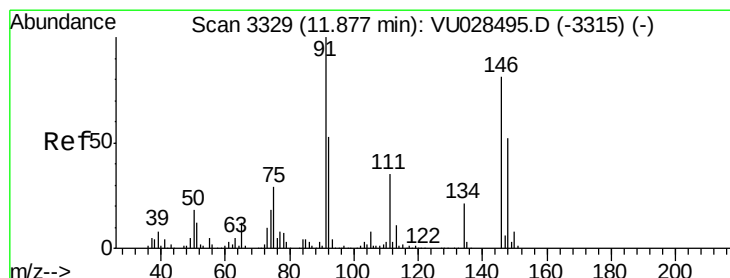
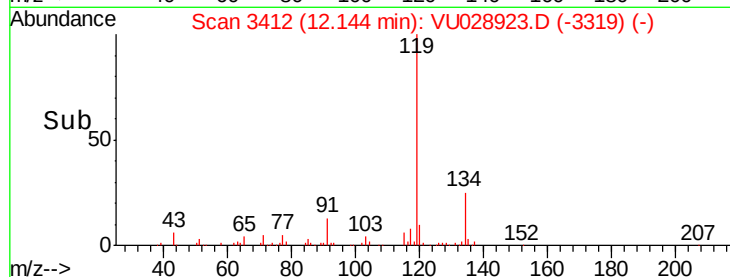
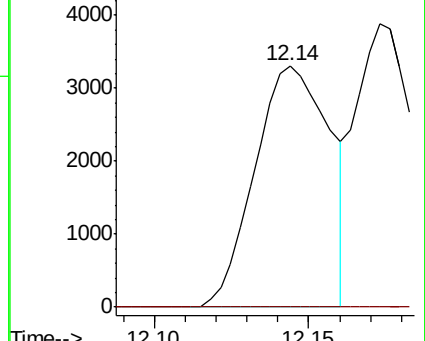
117 100

201 0.0 38.1 114.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 7.329 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

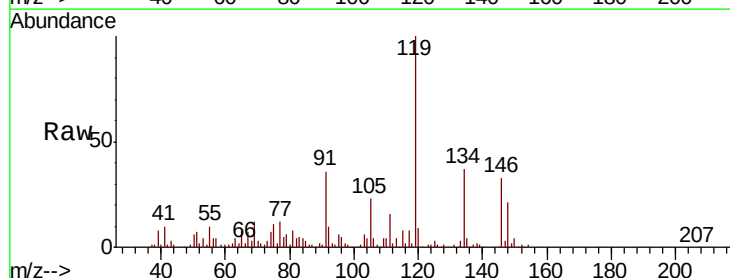
Tgt Ion:146 Resp: 29891

Ion Ratio Lower Upper

146 100

111 44.9 21.1 63.4

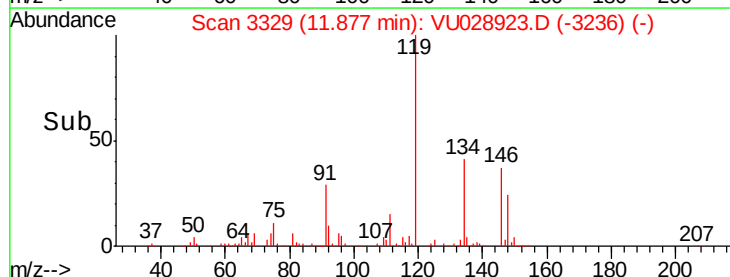
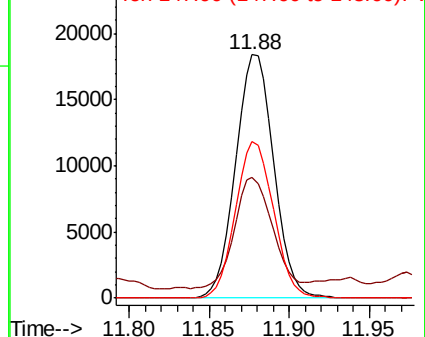
148 63.9 31.4 94.2

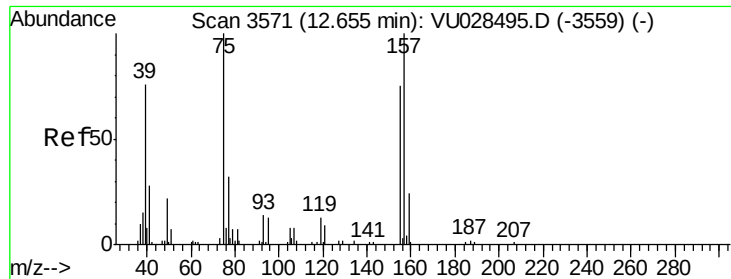


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 55.142 ug/l

RT: 12.48 min Scan# 3516

Delta R.T. -0.18 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

P001-SS013A-2430-01ME

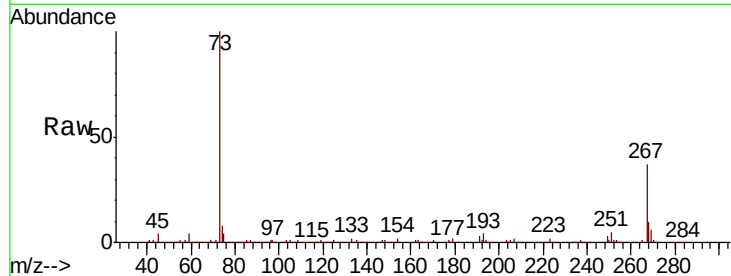
Tgt Ion: 75 Resp: 42342

Ion Ratio Lower Upper

75 100

155 3.0 38.1 114.5#

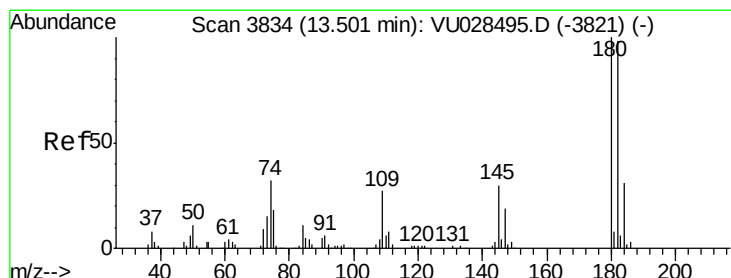
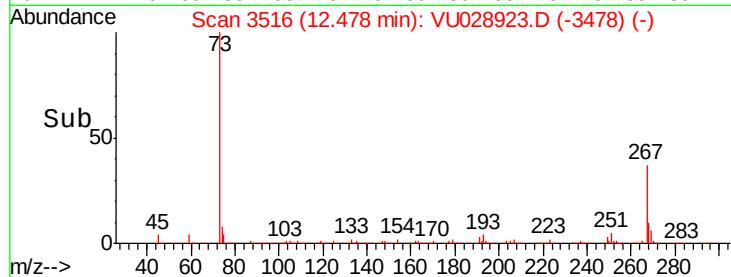
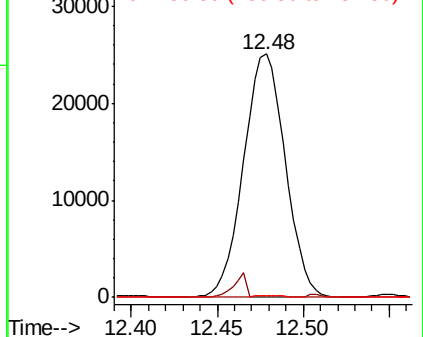
157 0.4 48.7 146.1#



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: 90.890 ug/l

RT: 13.50 min Scan# 3834

Delta R.T. -0.00 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

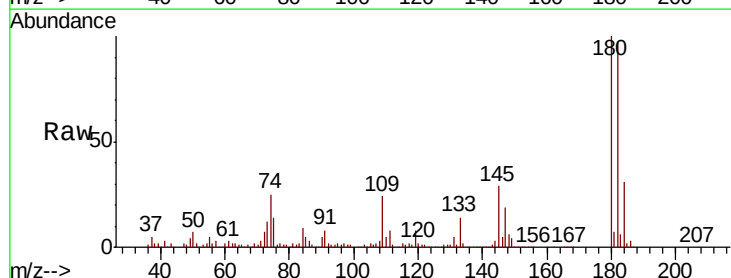
Tgt Ion: 180 Resp: 256700

Ion Ratio Lower Upper

180 100

182 96.9 47.9 143.8

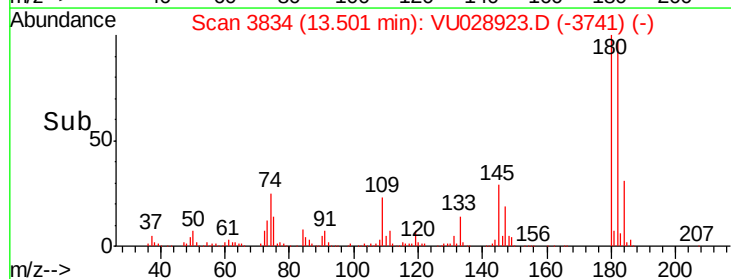
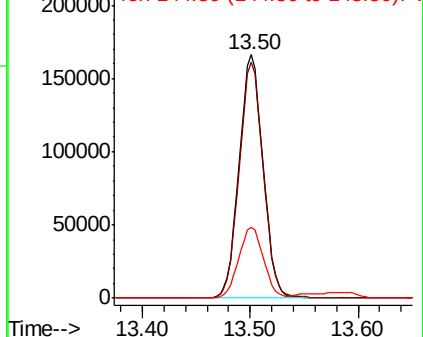
145 29.6 15.0 45.1

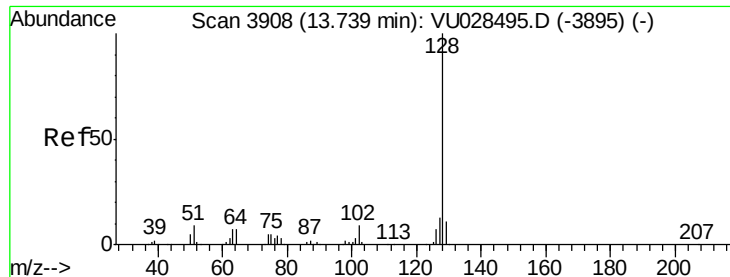


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 39.113 ug/l

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

P001-SS013A-2430-01ME

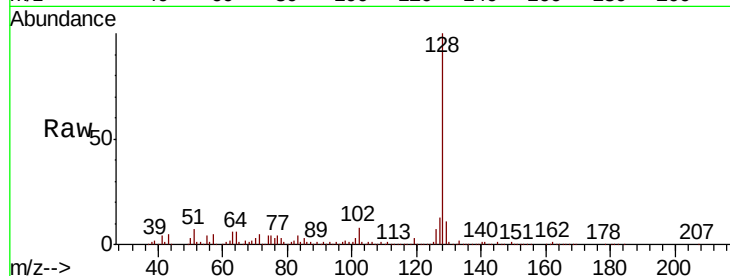
Tgt Ion:128 Resp: 382799

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

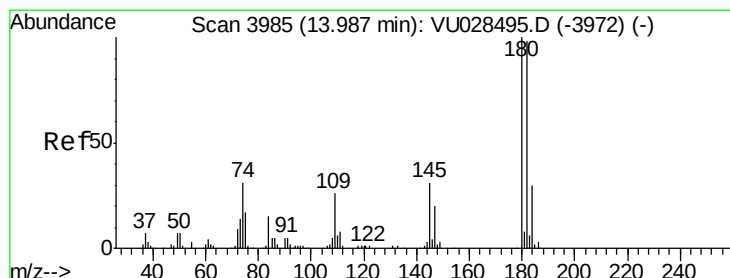
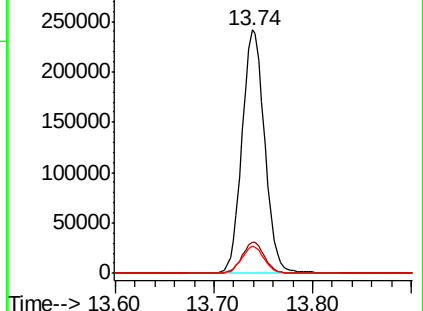
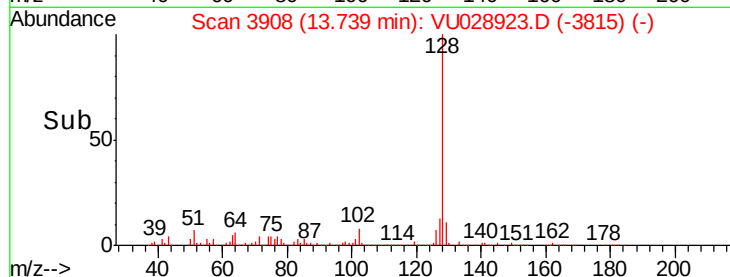
129 11.2 8.6 13.0



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: 40.992 ug/l

RT: 13.98 min Scan# 3984

Delta R.T. -0.00 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

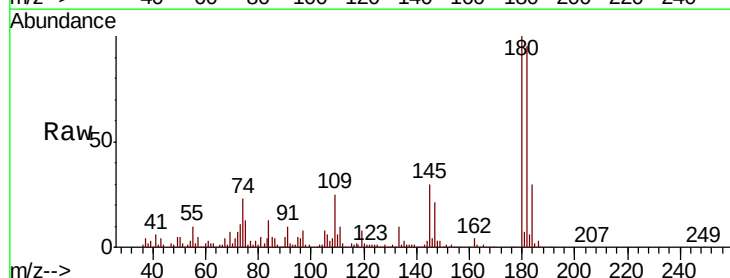
Tgt Ion:180 Resp: 114266

Ion Ratio Lower Upper

180 100

182 94.7 48.2 144.6

145 39.2 15.8 47.3



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

