

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027275.D
 Acq On : 28 Sep 2018 16:38
 Operator : MD/SY
 Sample : J5041-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 28 17:39:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	128329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	208137	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	200351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	103797	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	115427	44.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.38%	
35) Dibromofluoromethane	4.88	113	83670	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
50) Toluene-d8	7.57	98	361615	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
62) 4-Bromofluorobenzene	10.31	95	118304	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	

Target Compounds

						Qvalue
3) Chloromethane	1.33	50	1199	0.415	ug/l	100
11) Tert butyl alcohol	2.83	59	635	1.073	ug/l #	72
13) Acrolein	2.31	56	9545	29.909	ug/l #	68
14) Allyl chloride	2.71	41	110982	30.872	ug/l #	57
15) Acrylonitrile	3.00	53	18359	12.304	ug/l #	38
16) Acetone	2.31	43	29828	5.517	ug/l #	53
18) Methyl Acetate	2.71	43	292768	79.638	ug/l #	55
20) Methylene Chloride	2.70	84	862	0.373	ug/l #	1
25) 2-Butanone	4.22	43	10981	5.059	ug/l #	53
29) Tetrahydrofuran	4.73	42	1273	0.969	ug/l #	1
31) Cyclohexane	5.00	56	1132996	297.160	ug/l	100
36) 1,1-Dichloropropene	4.99	75	11968	4.308	ug/l #	13
37) Ethyl Acetate	4.22	43	10981	2.920	ug/l #	70
38) Carbon Tetrachloride	4.99	117	12987	4.913	ug/l #	16
39) Methylcyclohexane	6.42	83	1739044	576.088	ug/l	99
40) Benzene	5.39	78	2368	0.280	ug/l #	90
41) Methacrylonitrile	4.74	41	7915	4.053	ug/l #	52
42) 1,2-Dichloroethane	5.48	62	814	0.255	ug/l #	1
43) Isopropyl Acetate	5.55	43	42948	7.831	ug/l #	63
45) 1,2-Dichloropropane	6.42	63	14720	6.118	ug/l #	1
46) Dibromomethane	6.42	93	1098	0.756	ug/l #	6
47) Bromodichloromethane	6.75	83	4486	1.527	ug/l #	60
48) Methyl methacrylate	6.74	41	26728	9.785	ug/l	94
51) 4-Methyl-2-Pentanone	7.44	43	1403	0.380	ug/l #	38
55) 1,1,2-Trichloroethane	8.05	97	89694	43.732	ug/l #	17
56) Ethyl methacrylate	8.05	69	20985	7.832	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.06	63	197	4.957	ug/l #	52
59) 2-Hexanone	8.33	43	10169	3.522	ug/l #	27
67) Ethyl Benzene	9.26	91	1830	0.209	ug/l	98
68) m/p-Xylenes	9.25	106	455	1.627	ug/l #	1
73) Isopropylbenzene	10.17	105	255883	32.408	ug/l	99
74) N-amyl acetate	10.04	43	4071	0.891	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	10.49	83	3085	0.850	ug/l #	32
76) 1,2,3-Trichloropropane	10.31	75	62974	19.971	ug/l #	36

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

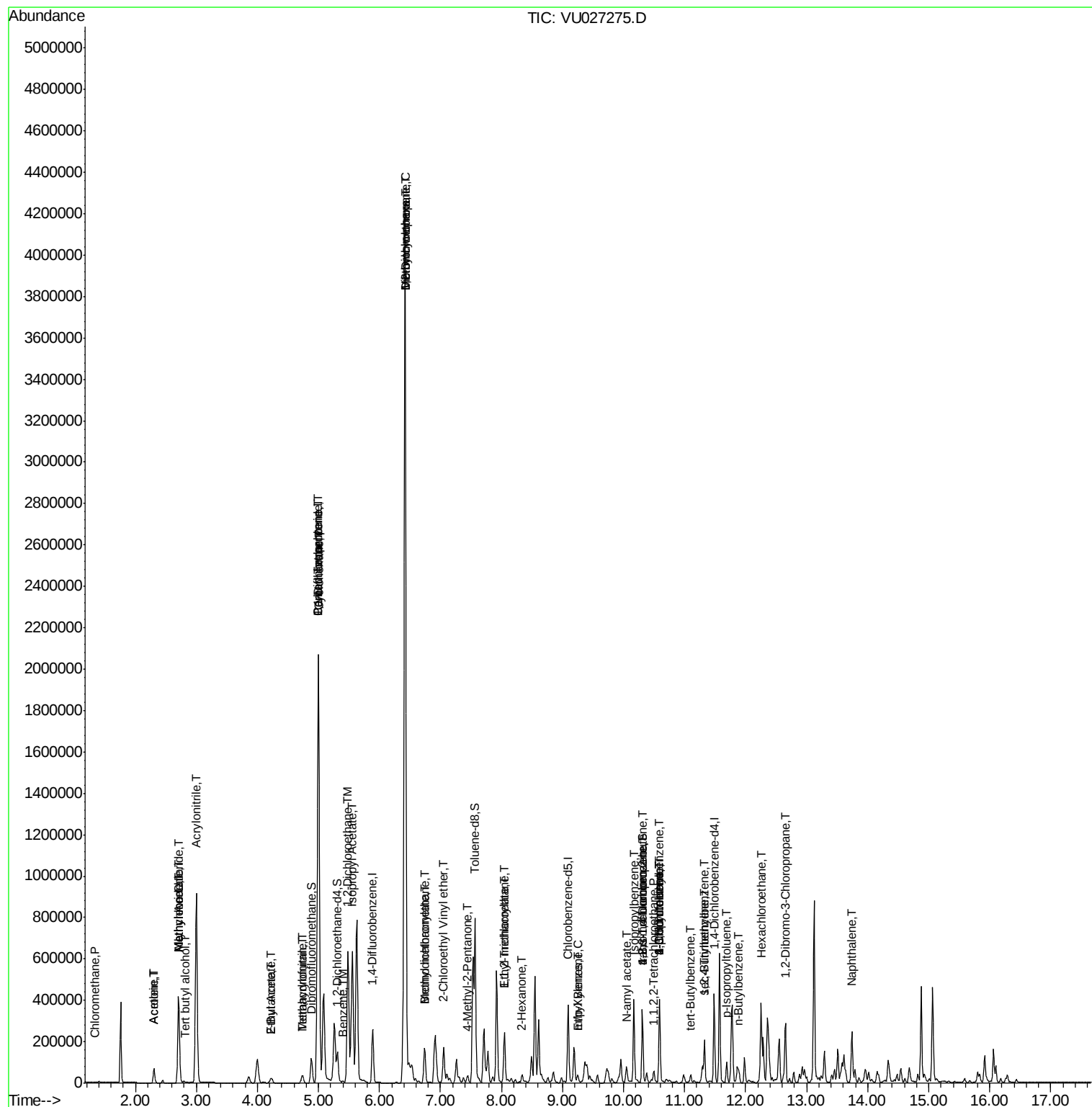
78) n-propylbenzene	10.59	91	304501	32.593	ug/l	100
79) 2-Chlorotoluene	10.59	91	304501	51.889	ug/l #	43
80) 1,3,5-Trimethylbenzene	10.59	105	10910	1.674	ug/l #	1
81) trans-1,4-Dichloro-2-buten	10.31	75	62974	63.910	ug/l #	100
82) 4-Chlorotoluene	10.59	91	304501	46.277	ug/l #	47
83) tert-Butylbenzene	11.10	119	15898	2.467	ug/l	88
84) 1,2,4-Trimethylbenzene	11.32	105	130024	19.603	ug/l #	31
85) sec-Butylbenzene	11.32	105	130024	16.530	ug/l	99
86) p-Isopropyltoluene	11.69	119	52402	7.895	ug/l	97
89) n-Butylbenzene	11.89	91	33131	6.801	ug/l #	76
90) Hexachloroethane	12.25	117	19201	13.424	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	12.65	75	1523	2.056	ug/l #	7
95) Naphthalene	13.74	128	173640	21.213	ug/l	97

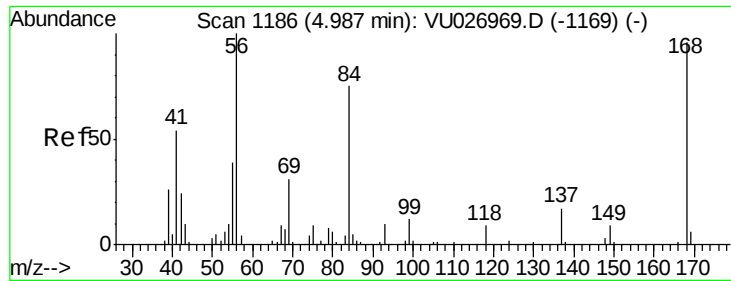
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

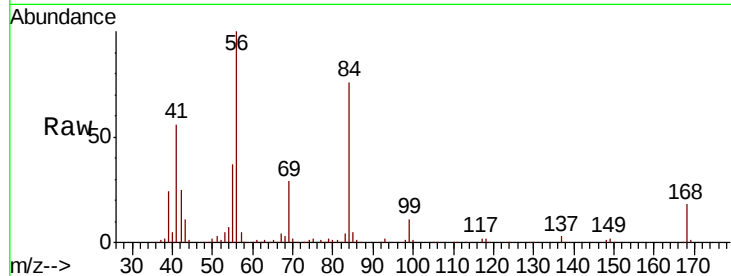
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 128329

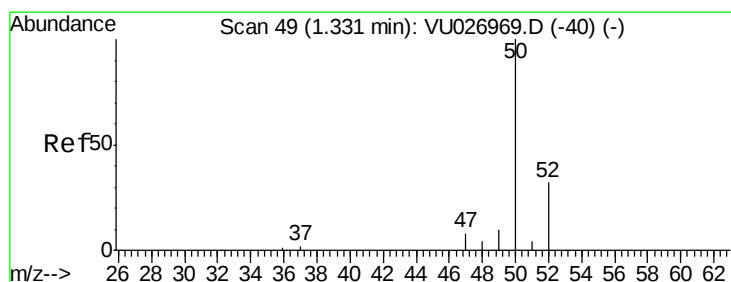
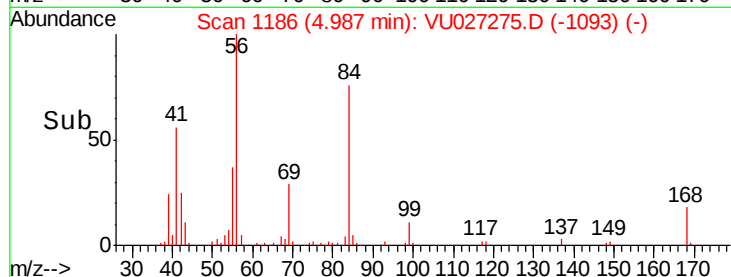
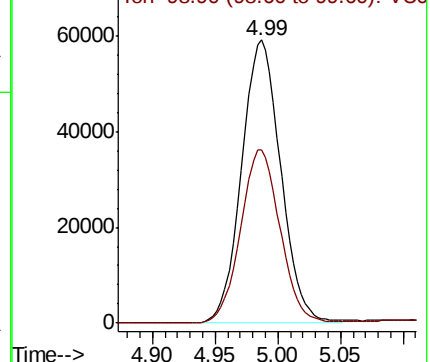
Ion Ratio Lower Upper

168 100

99 61.2 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)



#3

Chloromethane

Concen: 0.415 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027275.D

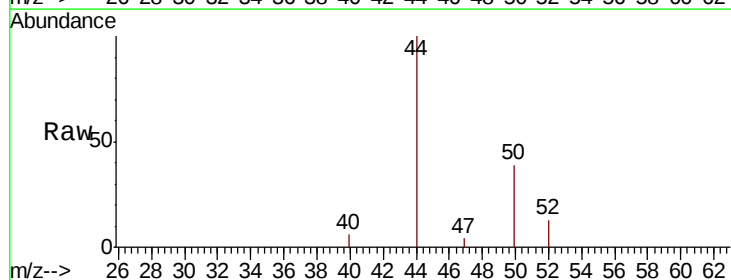
Acq: 28 Sep 2018 16:38

Tgt Ion: 50 Resp: 1199

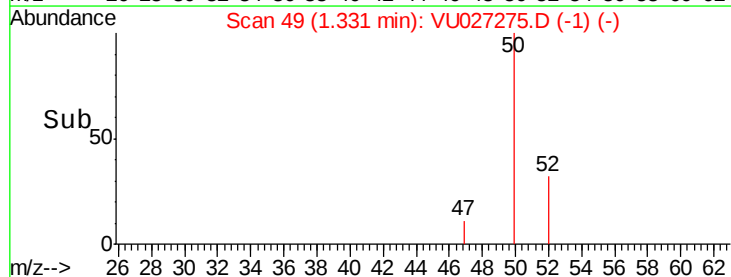
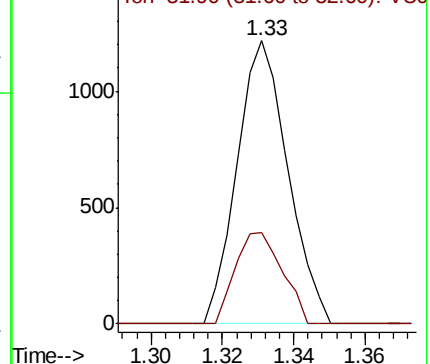
Ion Ratio Lower Upper

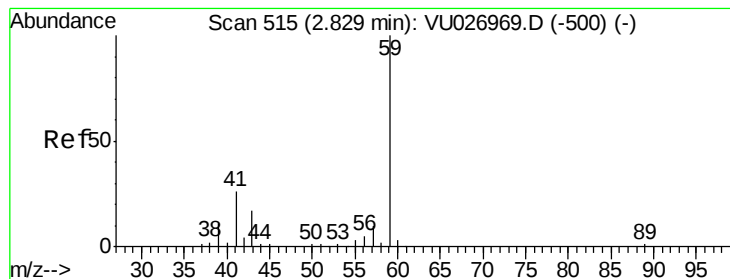
50 100

52 32.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VU026969.D (-40) (-)



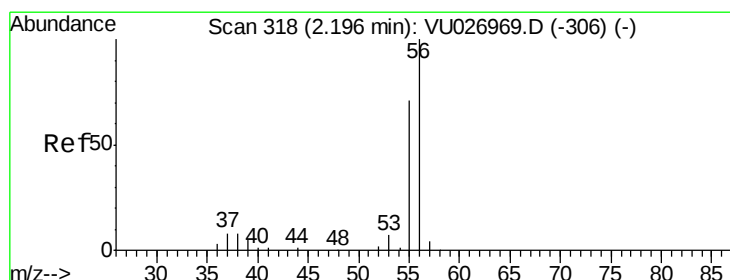
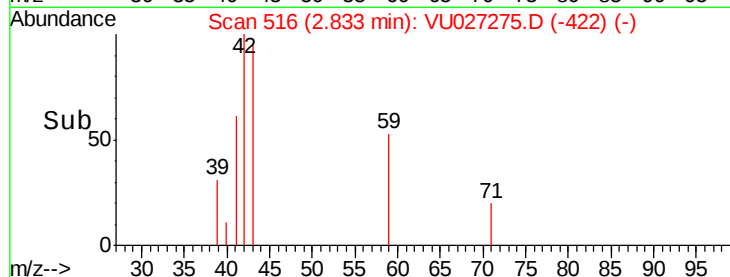
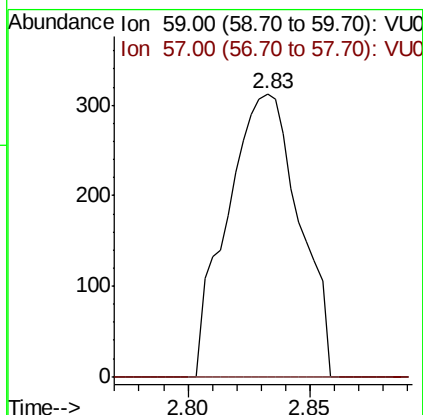
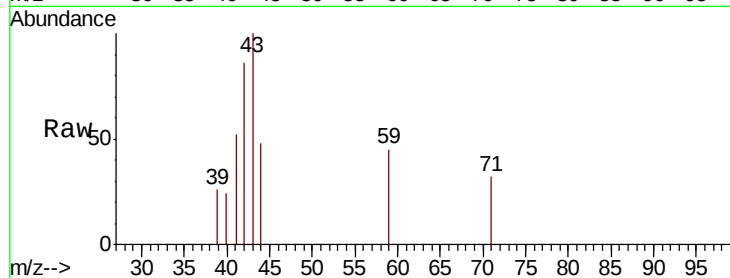


#11

Tert butyl alcohol
 Concen: 1.073 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.00 min
 Lab File: VU027275.D
 Acq: 28 Sep 2018 16:38

Instrument :
 MSVOA_U
 ClientSampled :

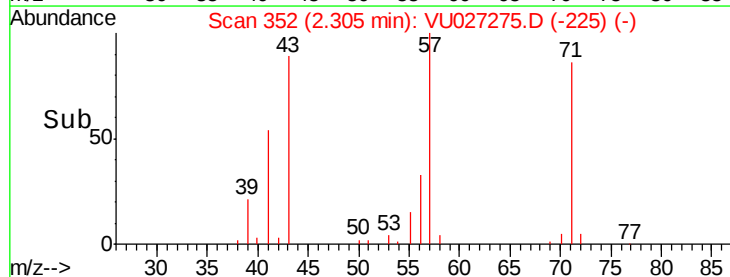
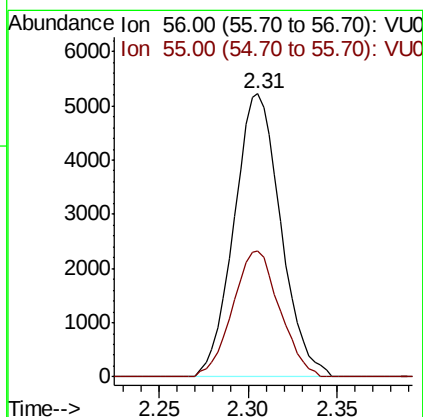
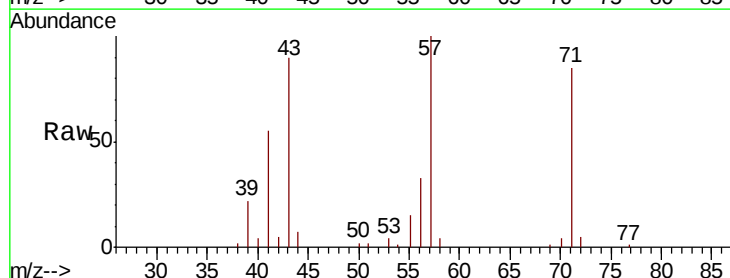
Tot Ion: 59 Resp: 635
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

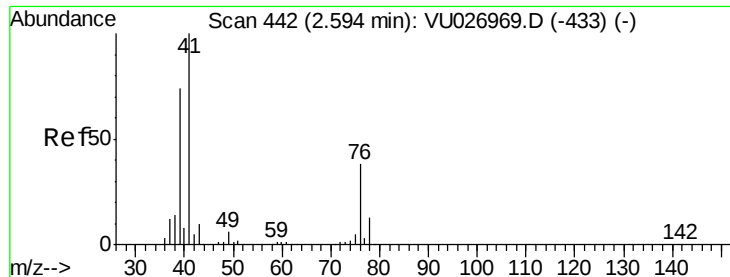


#13

Acrolein
 Concen: 29.909 ug/l
 RT: 2.31 min Scan# 352
 Delta R.T. 0.11 min
 Lab File: VU027275.D
 Acq: 28 Sep 2018 16:38

Tgt Ion: 56 Resp: 9545
 Ion Ratio Lower Upper
 56 100
 55 44.9 57.1 85.7#

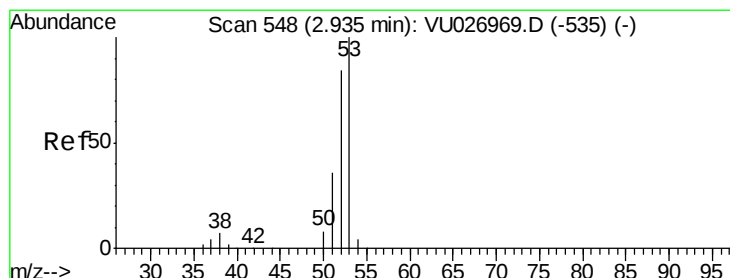
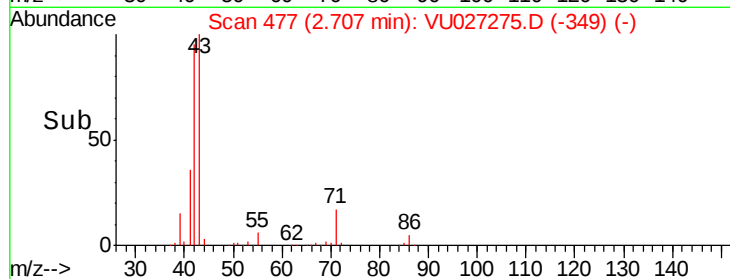
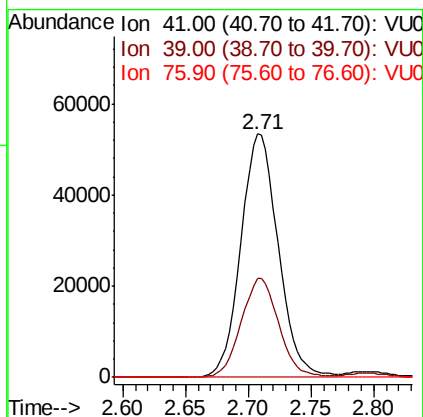
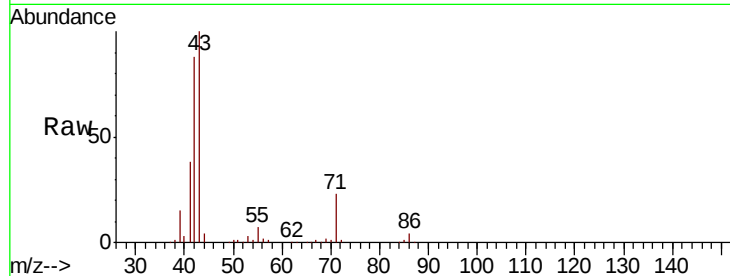




#14
Allvl chloride
Concen: 30.872 ug/l
RT: 2.71 min Scan# 477
Delta R.T. 0.11 min
Lab File: VU027275.D
Acq: 28 Sep 2018 16:38

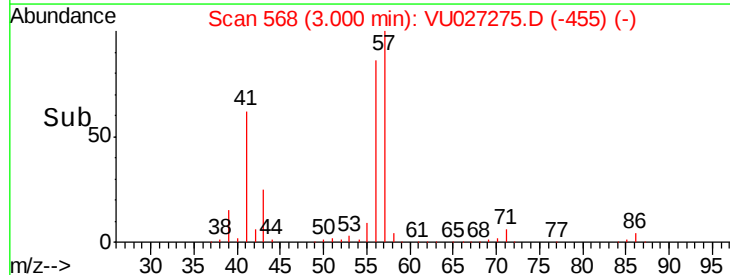
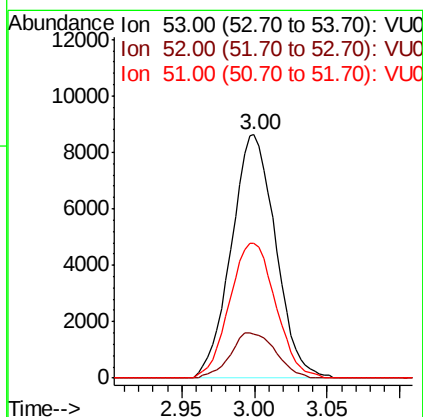
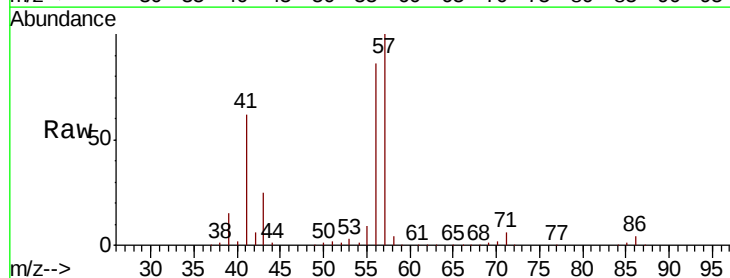
Instrument :
MSVOA_U
ClientSampleId :

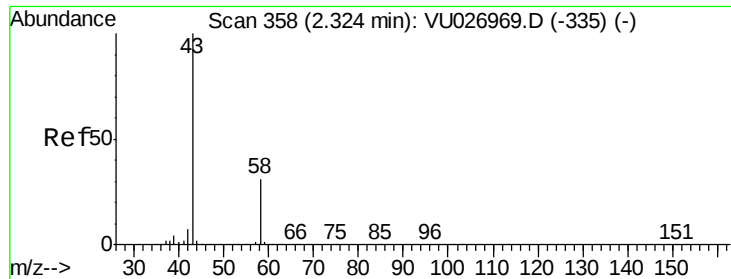
Tot Ion: 41 Resp: 110982
Ion Ratio Lower Upper
41 100
39 40.8 55.7 83.5#
76 0.0 26.5 39.7#



#15
Acrylonitrile
Concen: 12.304 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.06 min
Lab File: VU027275.D
Acq: 28 Sep 2018 16:38

Tgt Ion: 53 Resp: 18359
Ion Ratio Lower Upper
53 100
52 19.0 65.7 98.5#
51 57.5 27.4 41.2#





#16

Acetone

Concen: 5.517 ug/l

RT: 2.31 min Scan# 352

Delta R.T. -0.02 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

Instrument :

MSVOA_U

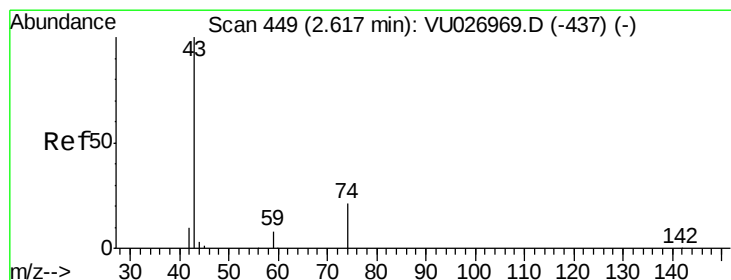
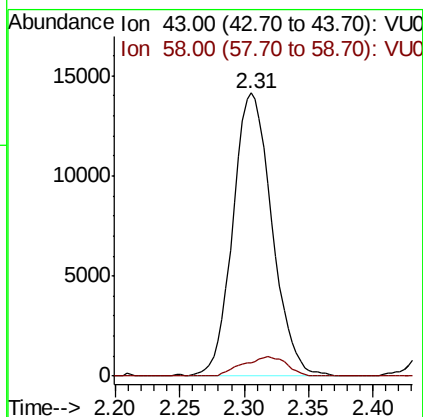
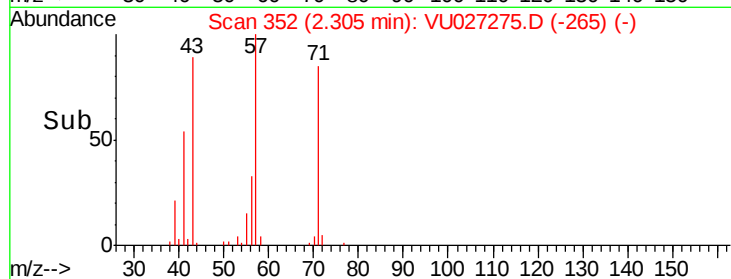
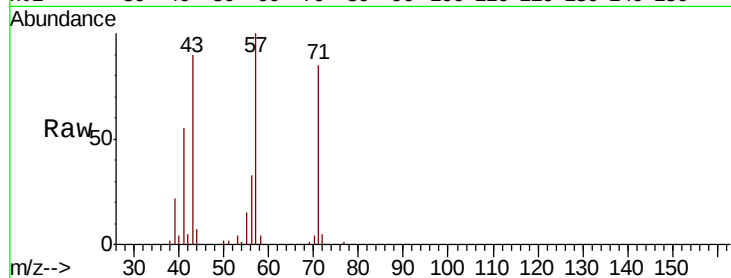
ClientSampleId :

Tot Ion: 43 Resp: 29828

Ion Ratio Lower Upper

43 100

58 4.9 24.6 36.8#



#18

Methyl Acetate

Concen: 79.638 ug/l

RT: 2.71 min Scan# 477

Delta R.T. 0.09 min

Lab File: VU027275.D

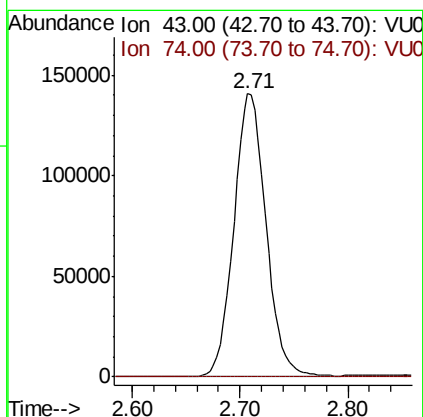
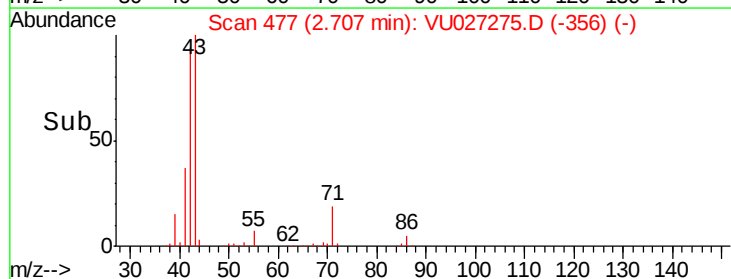
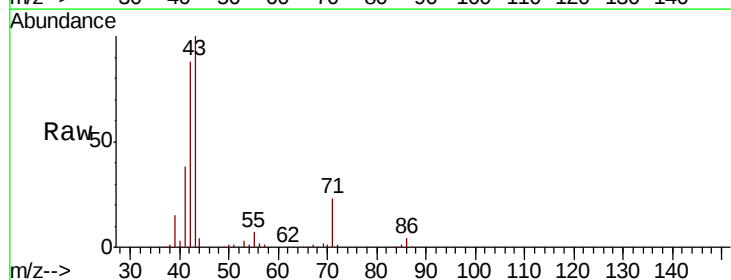
Acq: 28 Sep 2018 16:38

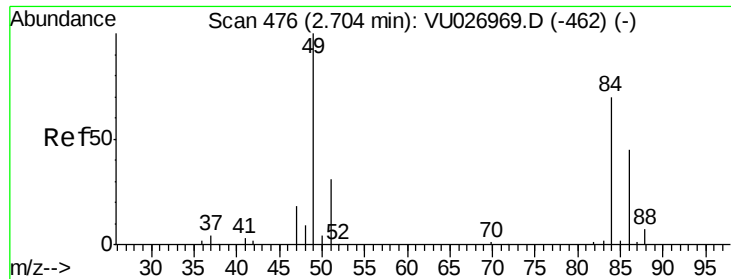
Tgt Ion: 43 Resp: 292768

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#

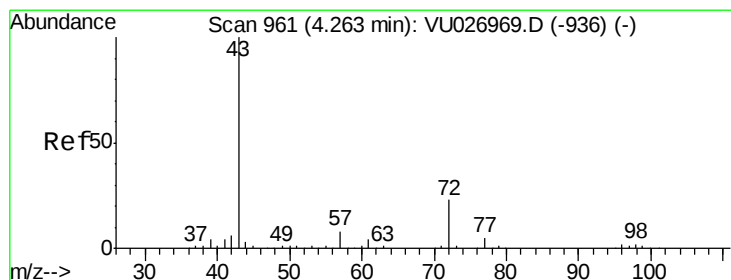
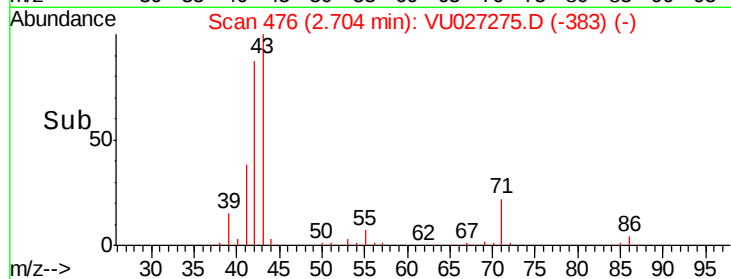
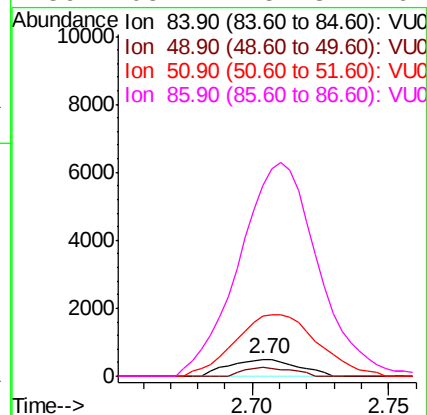
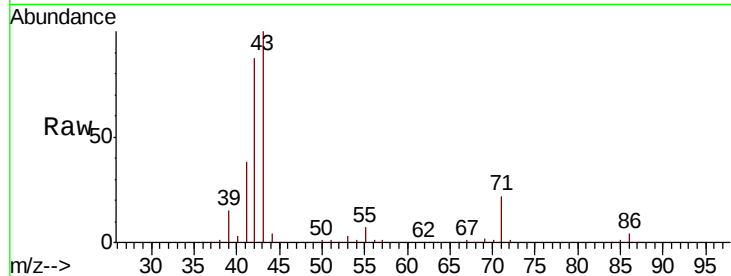




#20
Methvlene Chloride
Concen: 0.373 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027275.D
Acq: 28 Sep 2018 16:38

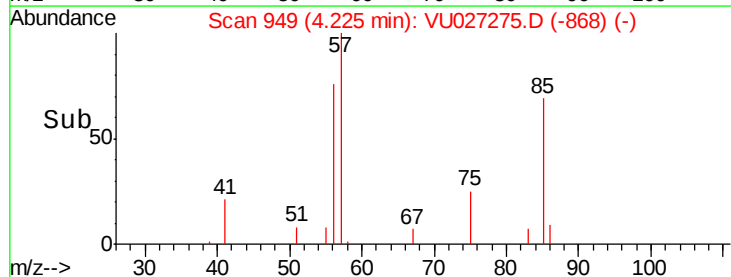
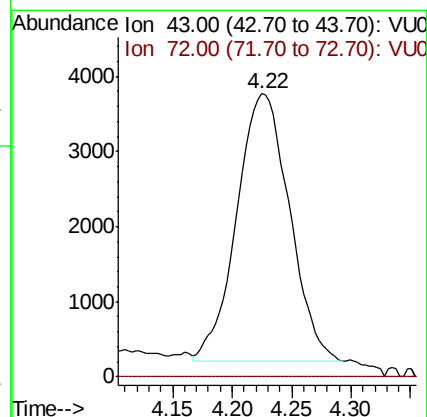
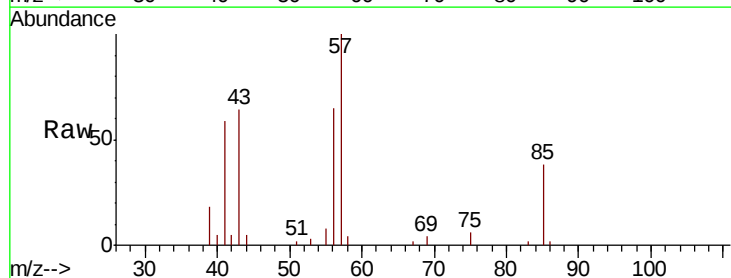
Instrument :
MSVOA_U
ClientSampleId :

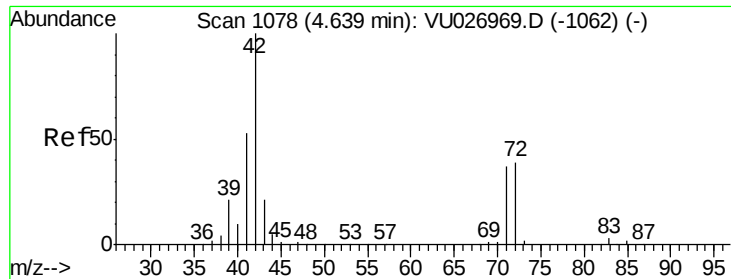
Tot Ion: 84 Resp: 862
Ion Ratio Lower Upper
84 100
49 50.3 114.9 172.3#
51 329.1 35.8 53.8#
86 1051.1 51.3 76.9#



#25
2-Butanone
Concen: 5.059 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.04 min
Lab File: VU027275.D
Acq: 28 Sep 2018 16:38

Tgt Ion: 43 Resp: 10981
Ion Ratio Lower Upper
43 100
72 0.0 18.4 27.6#

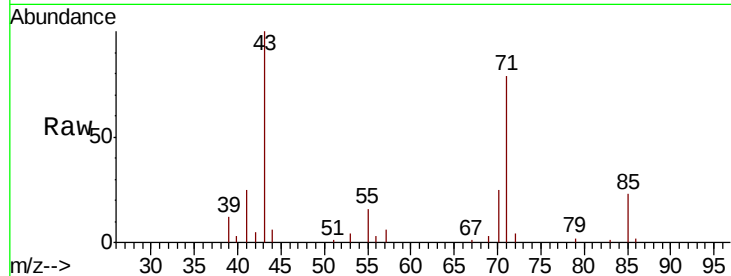




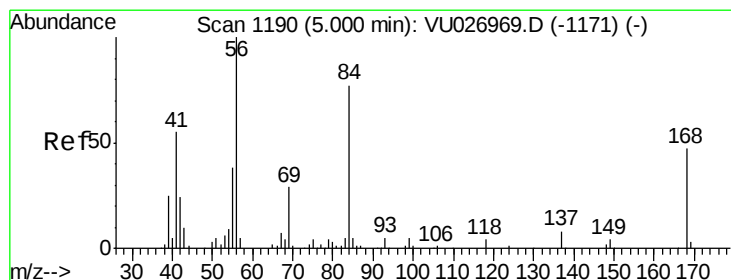
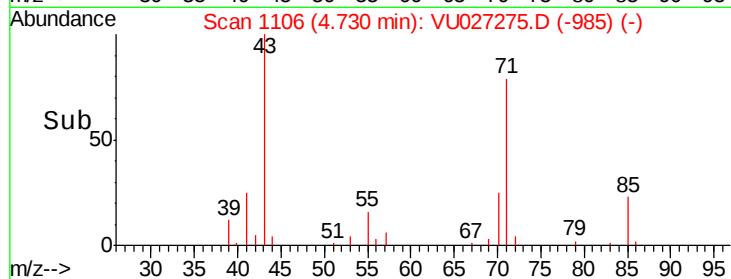
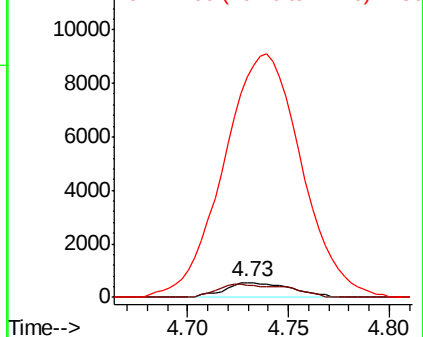
#29
Tetrahydrofuran
Concen: 0.969 ug/l
RT: 4.73 min Scan# 1106
Delta R.T. 0.09 min
Lab File: VU027275.D
Acq: 28 Sep 2018 16:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 42 Resp: 1273
Ion Ratio Lower Upper
42 100
72 54.0 31.7 47.5#
71 1923.7 29.6 44.4#

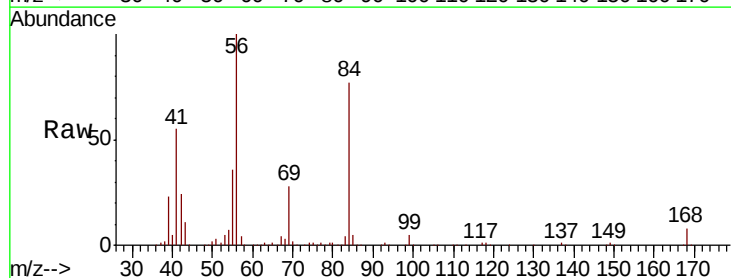


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

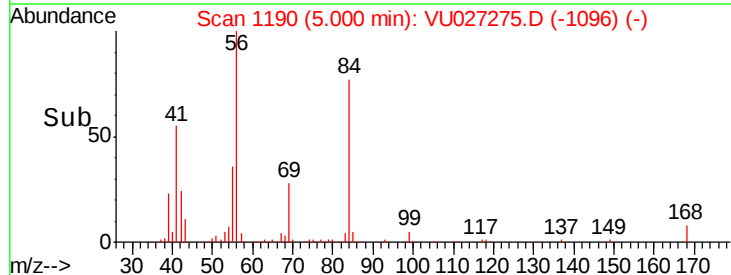
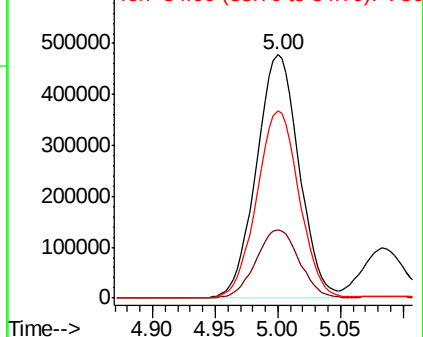


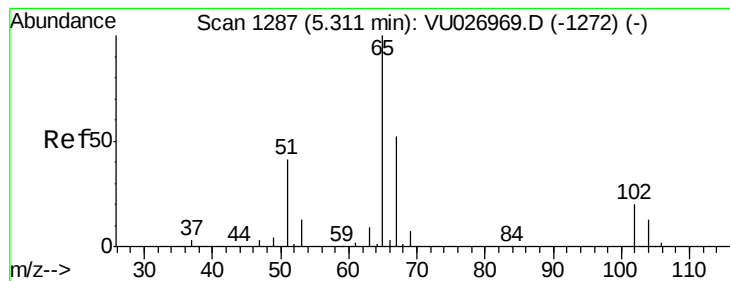
#31
Cyclohexane
Concen: 297.160 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027275.D
Acq: 28 Sep 2018 16:38

Tgt Ion: 56 Resp: 1132996
Ion Ratio Lower Upper
56 100
69 28.2 23.0 34.4
84 76.9 61.4 92.2



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: 44.690 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

Instrument :

MSVOA_U

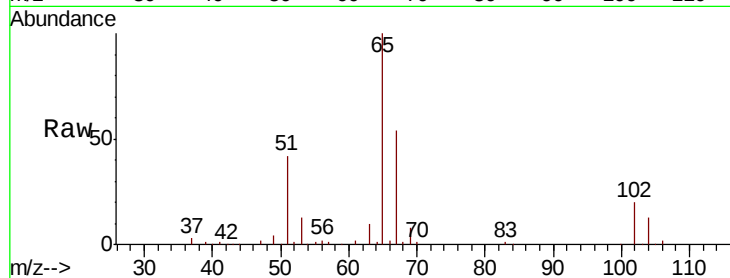
ClientSampleId :

Tot Ion: 65 Resp: 115427

Ion Ratio Lower Upper

65 100

67 51.6 0.0 105.6

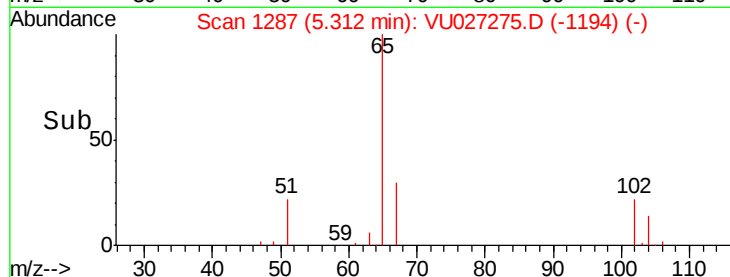


Abundance Ion 64.90 (64.60 to 65.60): VU026969.D (-1272) (-)

Ion 66.90 (66.60 to 67.60): VU026969.D (-1272) (-)

5.31

Time-->



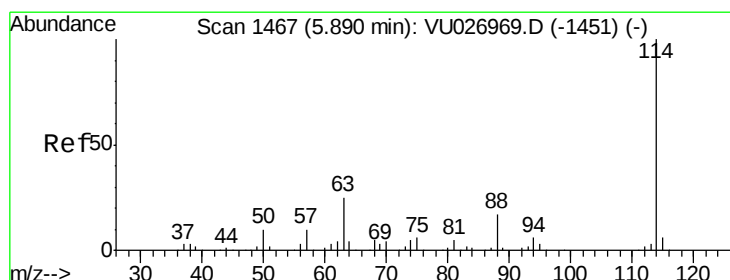
Abundance

Ion 64.90 (64.60 to 65.60): VU027275.D (-1194) (-)

Ion 66.90 (66.60 to 67.60): VU027275.D (-1194) (-)

5.31

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

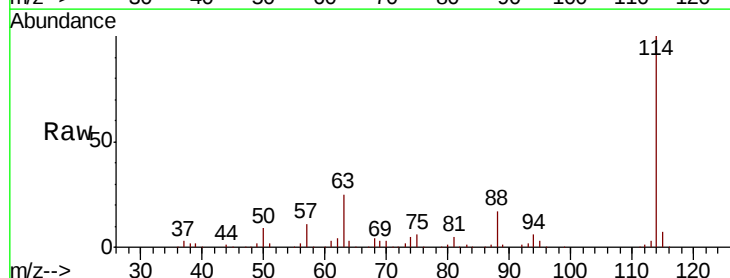
Tgt Ion: 114 Resp: 208137

Ion Ratio Lower Upper

114 100

63 24.5 0.0 49.2

88 17.1 0.0 33.8



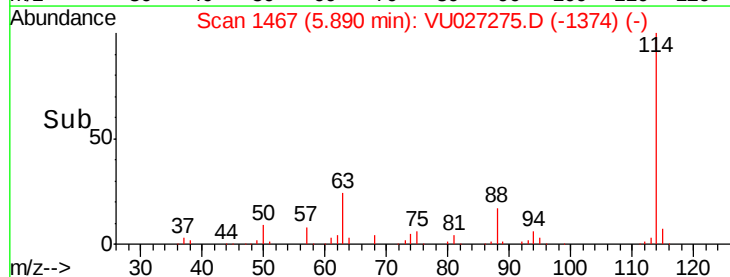
Abundance Ion 113.90 (113.60 to 114.60): VU026969.D (-1451) (-)

Ion 63.00 (62.70 to 63.70): VU026969.D (-1451) (-)

Ion 87.90 (87.60 to 88.60): VU026969.D (-1451) (-)

5.89

Time-->



Abundance

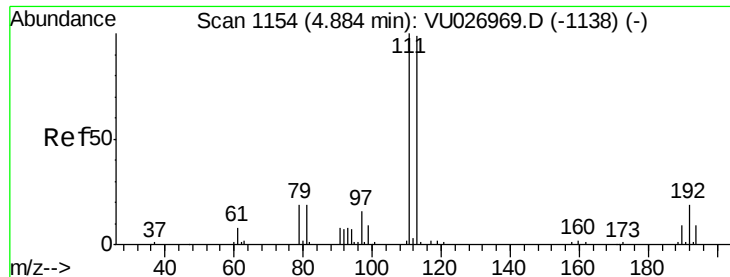
Ion 113.90 (113.60 to 114.60): VU027275.D (-1374) (-)

Ion 63.00 (62.70 to 63.70): VU027275.D (-1374) (-)

Ion 87.90 (87.60 to 88.60): VU027275.D (-1374) (-)

5.89

Time-->



#35

Dibromofluoromethane

Concen: 46.377 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

Instrument :
MSVOA_U
ClientSampleId :

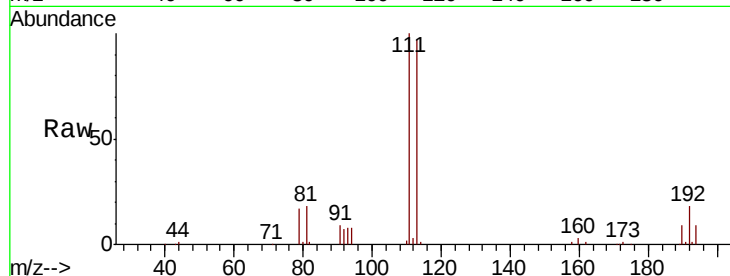
Tot Ion:113 Resp: 83670

Ion Ratio Lower Upper

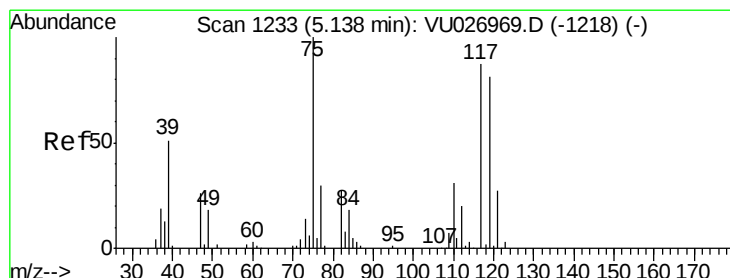
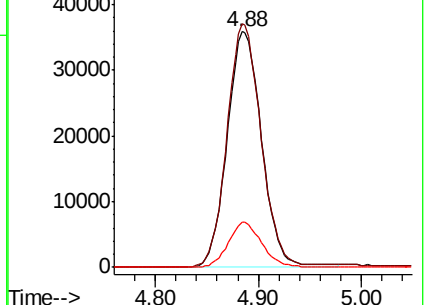
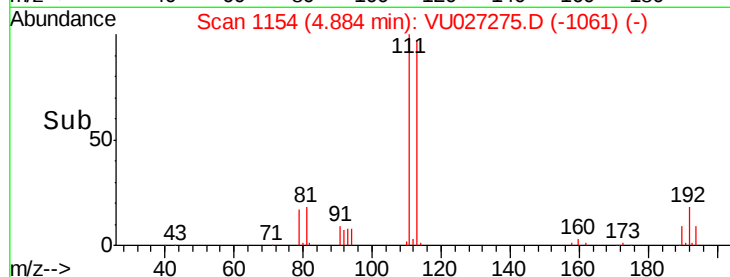
113 100

111 102.1 82.2 123.4

192 18.5 15.2 22.8



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: 4.308 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

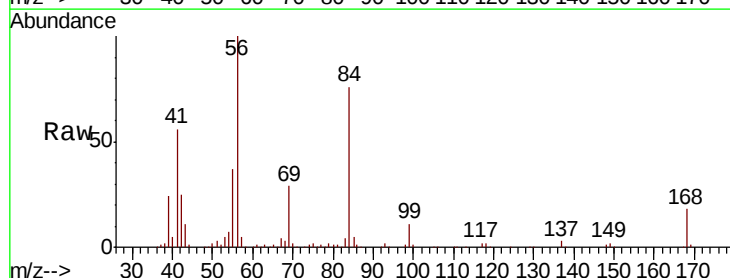
Tgt Ion: 75 Resp: 11968

Ion Ratio Lower Upper

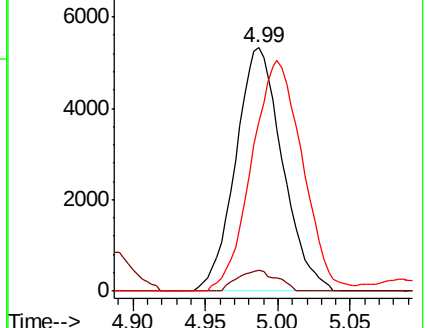
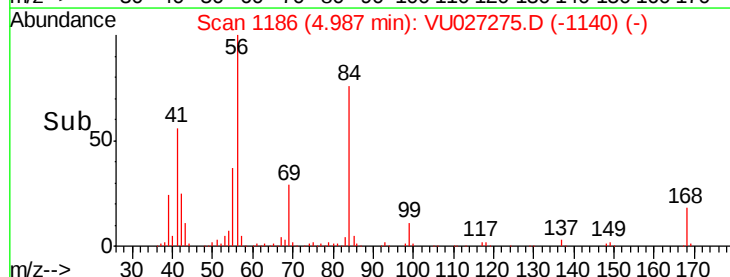
75 100

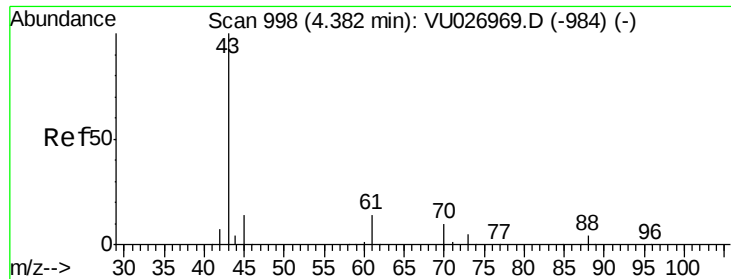
110 7.3 16.1 48.2#

77 102.8 24.6 36.8#



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

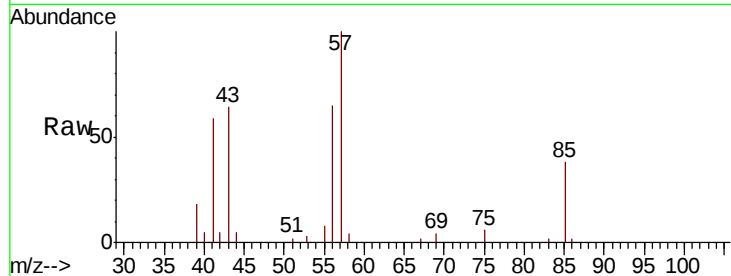




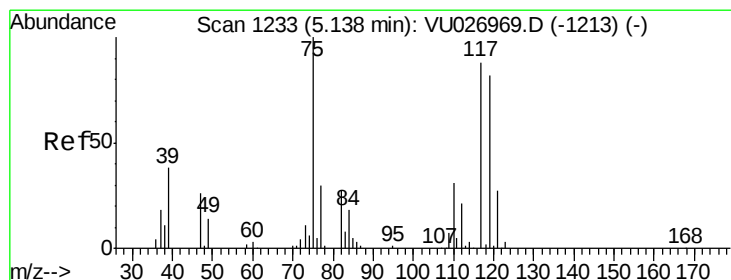
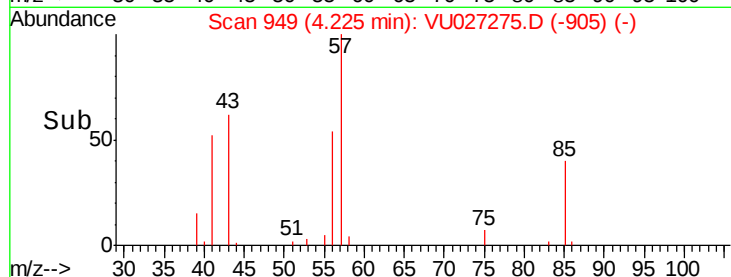
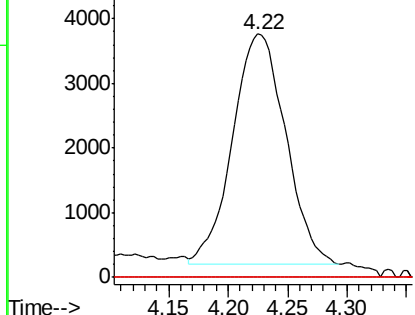
#37
Ethyl Acetate
Concen: 2.920 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.16 min
Lab File: VU027275.D
Acq: 28 Sep 2018 16:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 10981
Ion Ratio Lower Upper
43 100
61 0.0 10.5 15.7#
70 0.0 7.4 11.0#

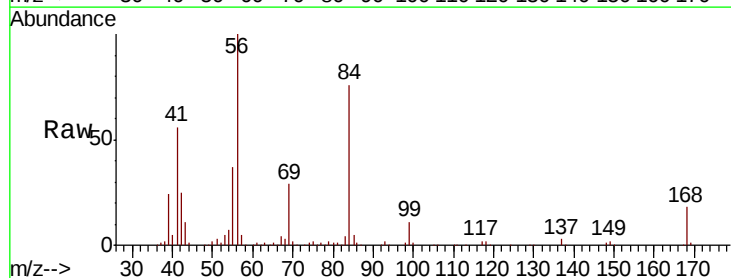


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

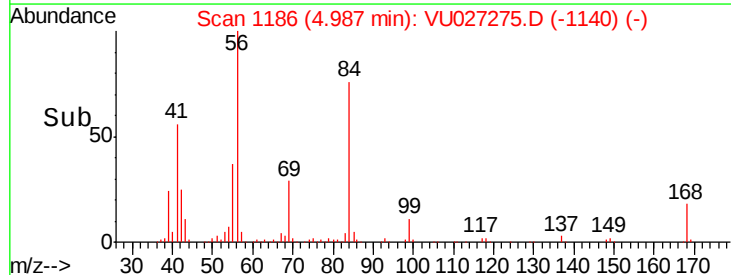
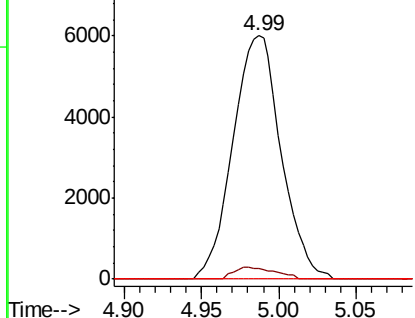


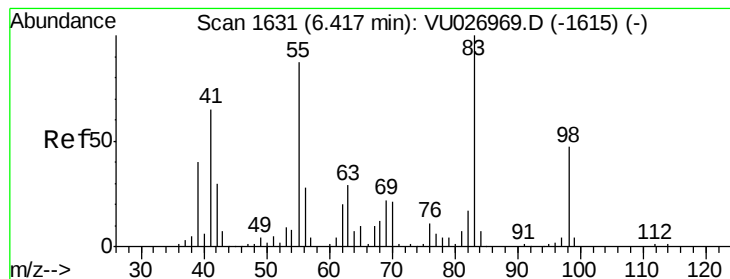
#38
Carbon Tetrachloride
Concen: 4.913 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027275.D
Acq: 28 Sep 2018 16:38

Tgt Ion: 117 Resp: 12987
Ion Ratio Lower Upper
117 100
119 4.1 74.4 111.6#
121 0.0 24.2 36.4#



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

Methvlcvclohexane

Concen: 576.088 ug/l

RT: 6.42 min Scan# 1632

Delta R.T. 0.00 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

Instrument :

MSVOA_U

ClientSampled :

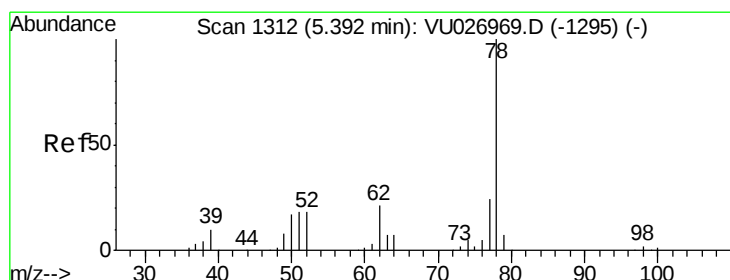
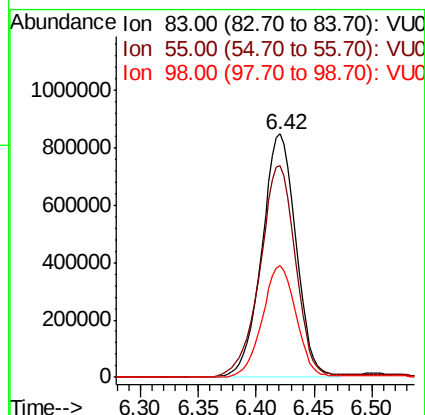
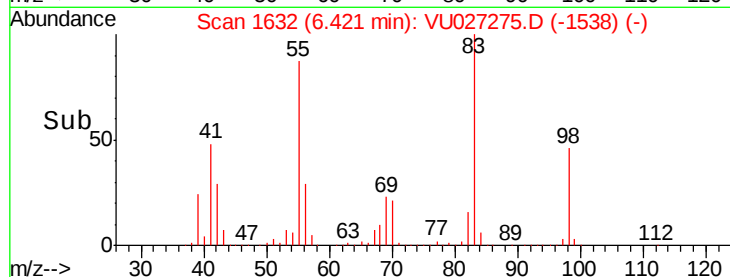
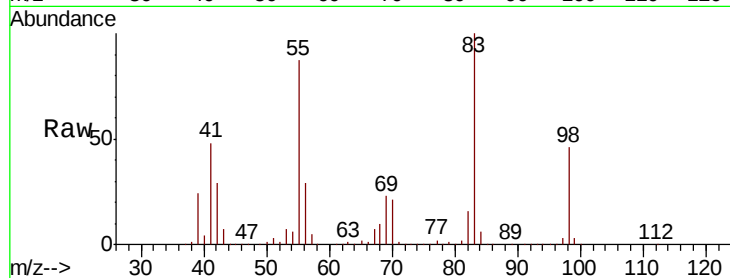
Tot Ion: 83 Resp: 1739044

Ion Ratio Lower Upper

83 100

55 87.1 69.9 104.9

98 45.8 37.5 56.3



#40

Benzene

Concen: 0.280 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU027275.D

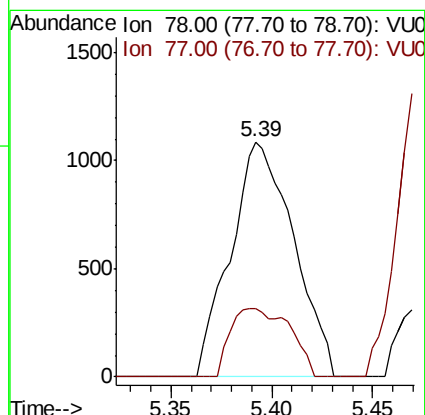
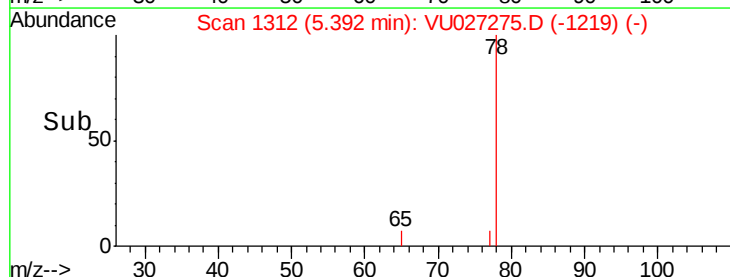
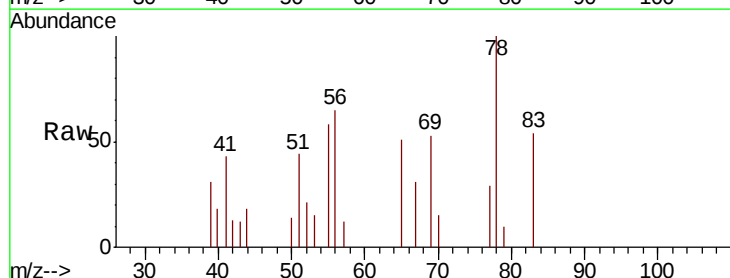
Acq: 28 Sep 2018 16:38

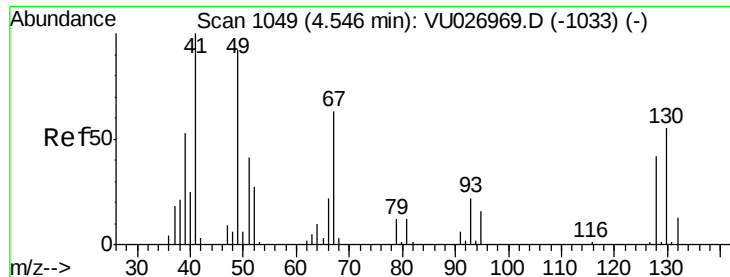
Tgt Ion: 78 Resp: 2368

Ion Ratio Lower Upper

78 100

77 29.2 19.4 29.0#

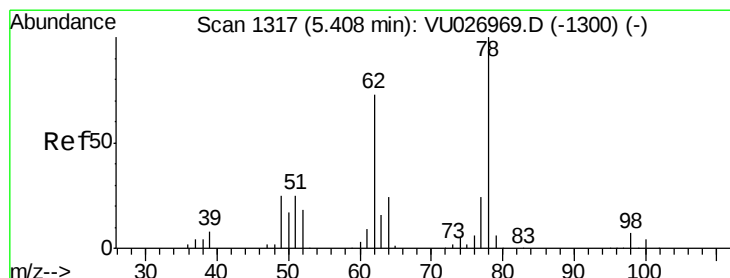
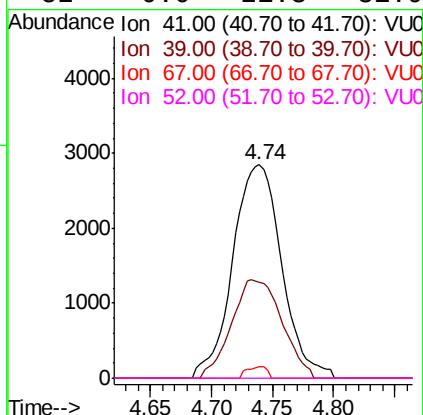
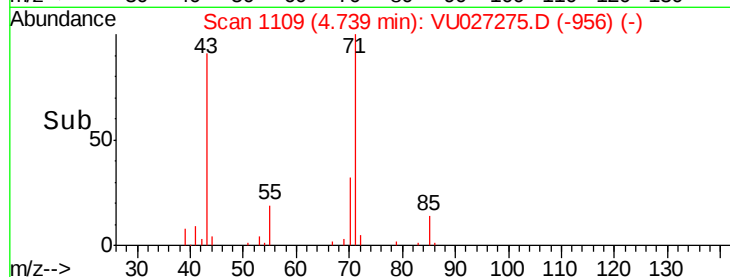
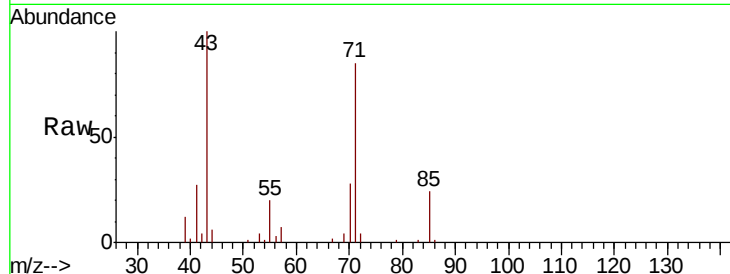




#41
Methacrylonitrile
Concen: 4.053 ug/l
RT: 4.74 min Scan# 1109
Delta R.T. 0.19 min
Lab File: VU027275.D
Acq: 28 Sep 2018 16:38

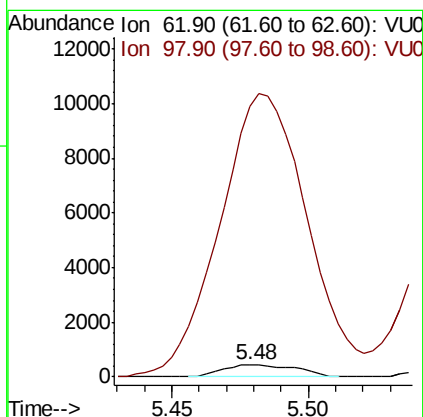
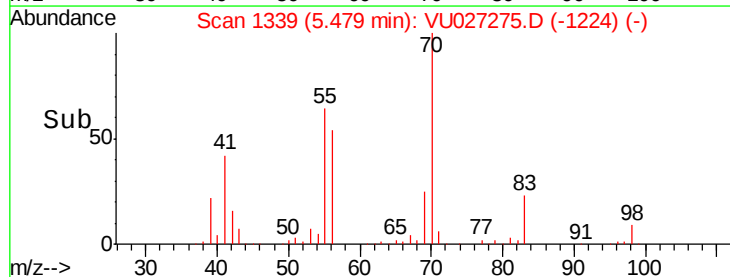
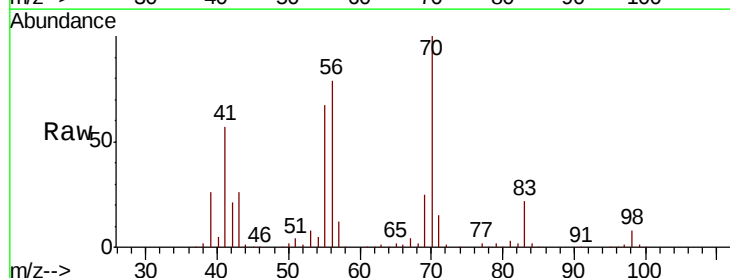
Instrument :
MSVOA_U
ClientSampled :

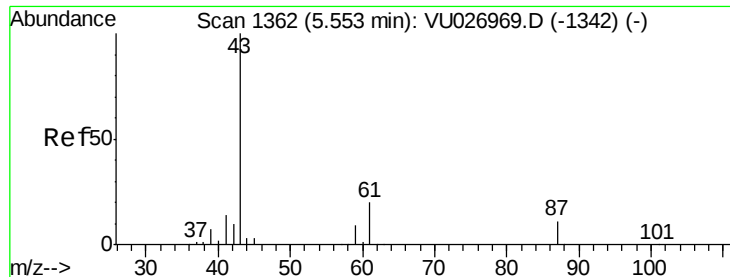
Tot Ion	Ratio	Lower	Upper
41	100		
39	47.7	42.9	64.3
67	2.1	52.4	78.6#
52	0.0	21.3	31.9#



#42
1,2-Dichloroethane
Concen: 0.255 ug/l
RT: 5.48 min Scan# 1339
Delta R.T. 0.07 min
Lab File: VU027275.D
Acq: 28 Sep 2018 16:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	2828.5	0.0	17.0#





#43

Isopropyl Acetate

Concen: 7.831 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

Instrument :
MSVOA_U
ClientSampled :

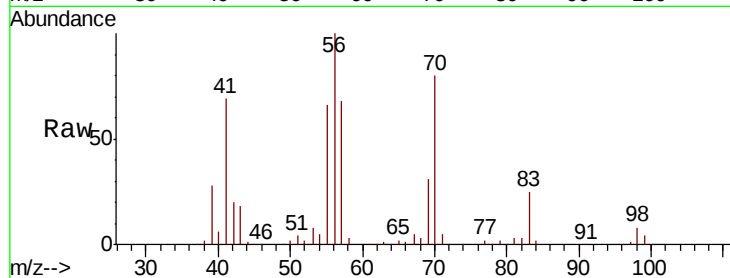
Tot Ion: 43 Resp: 42948

Ion Ratio Lower Upper

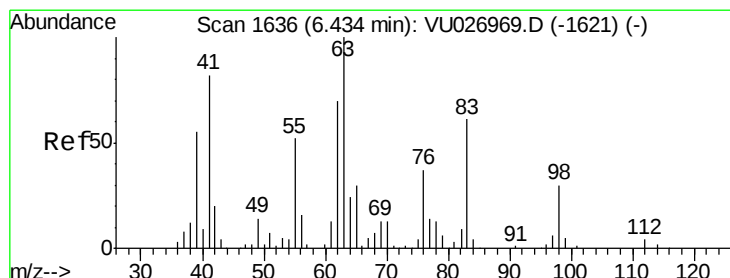
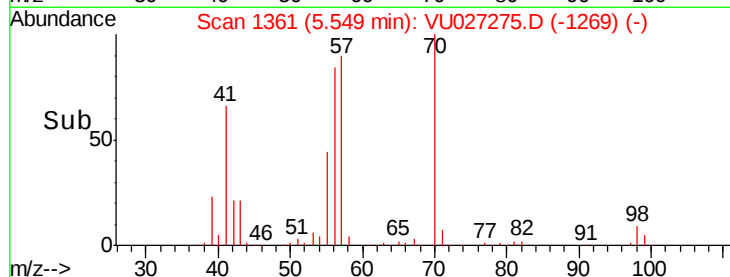
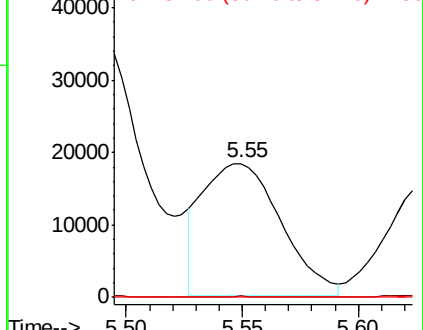
43 100

61 0.5 15.7 23.5#

87 0.0 9.0 13.4#



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: 6.118 ug/l

RT: 6.42 min Scan# 1631

Delta R.T. -0.02 min

Lab File: VU027275.D

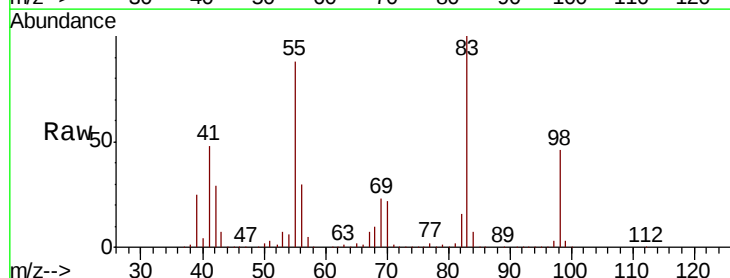
Acq: 28 Sep 2018 16:38

Tgt Ion: 63 Resp: 14720

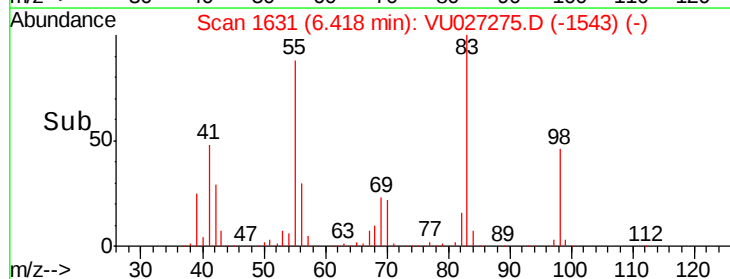
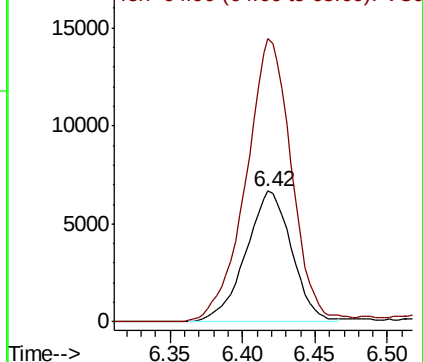
Ion Ratio Lower Upper

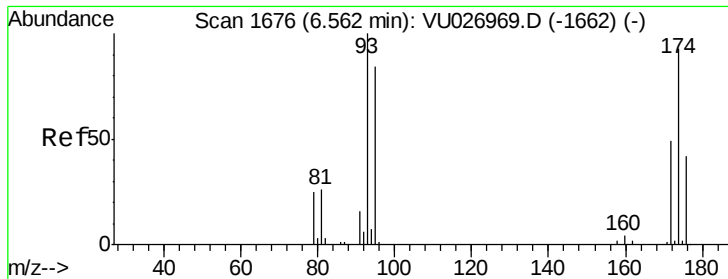
63 100

65 214.3 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VU0
Ion 64.90 (64.60 to 65.60): VU0





#46

Dibromomethane

Concen: 0.756 ug/l

RT: 6.42 min Scan# 1631

Delta R.T. -0.14 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

Instrument :

MSVOA_U

ClientSampled :

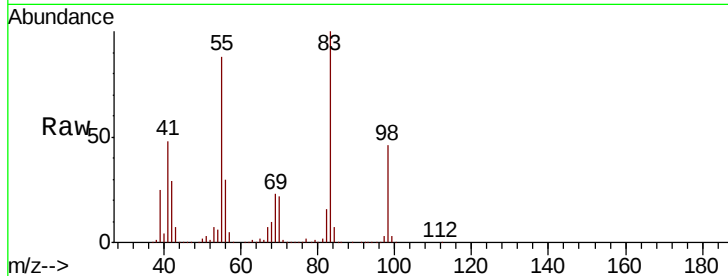
Tot Ion: 93 Resp: 1098

Ion Ratio Lower Upper

93 100

95 0.0 66.2 99.4#

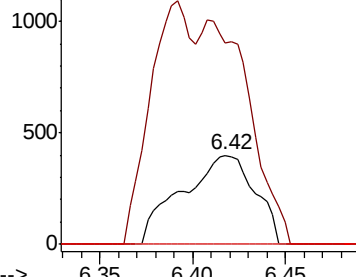
174 0.0 71.7 107.5#



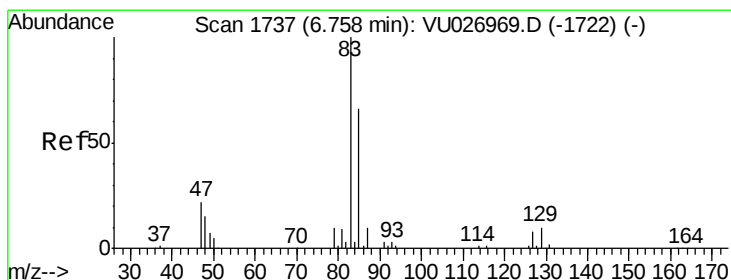
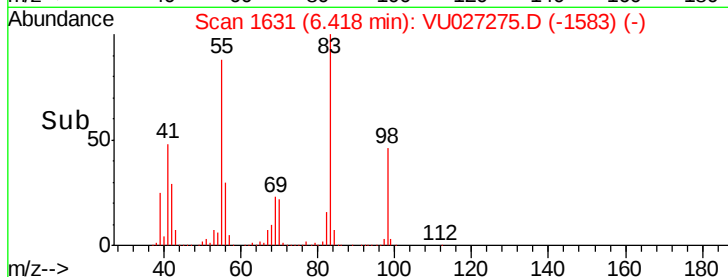
Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V



Time-->



#47

Bromodichloromethane

Concen: 1.527 ug/l

RT: 6.75 min Scan# 1733

Delta R.T. -0.01 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

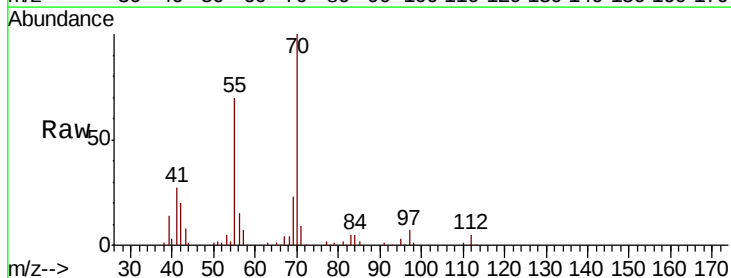
Tgt Ion: 83 Resp: 4486

Ion Ratio Lower Upper

83 100

85 32.4 52.5 78.7#

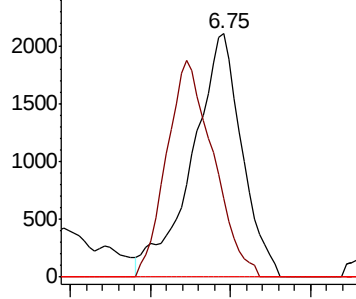
127 0.0 6.3 9.5#



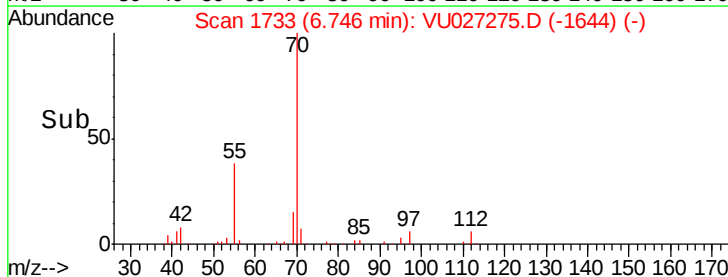
Abundance Ion 82.90 (82.60 to 83.60): VU0

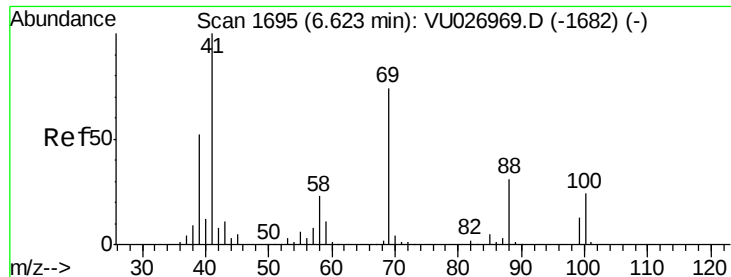
Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V



Time-->

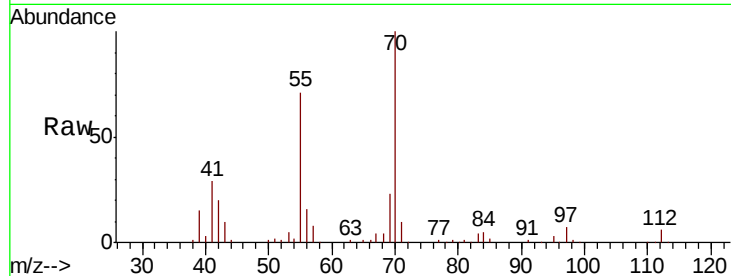




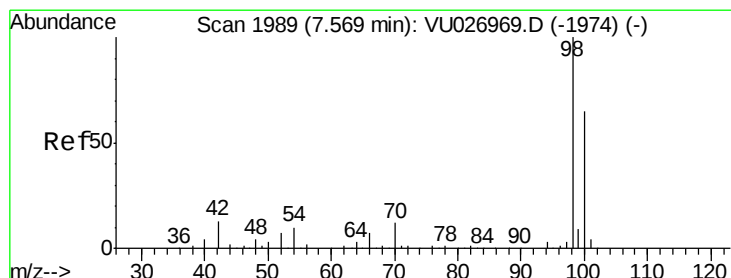
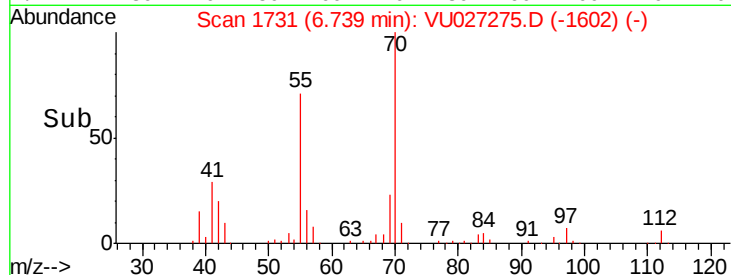
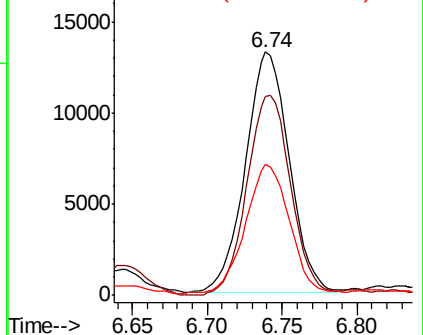
#48
Methvl methacrylate
Concen: 9.785 ug/l
RT: 6.74 min Scan# 1731
Delta R.T. 0.12 min
Lab File: VU027275.D
Acq: 28 Sep 2018 16:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 41 Resp: 26728
Ion Ratio Lower Upper
41 100
69 83.9 60.6 90.8
39 54.0 42.8 64.2

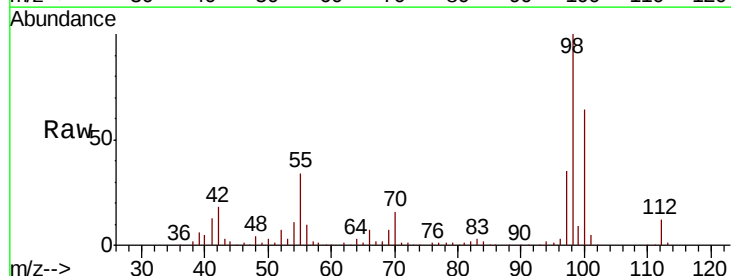


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

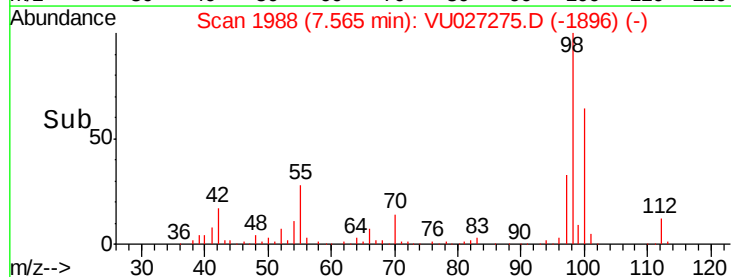
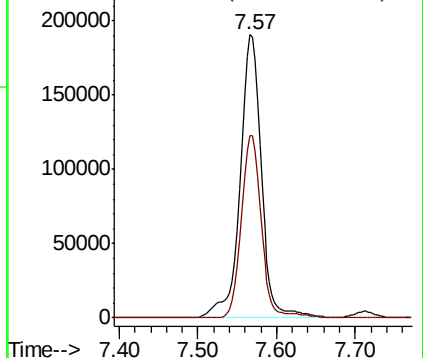


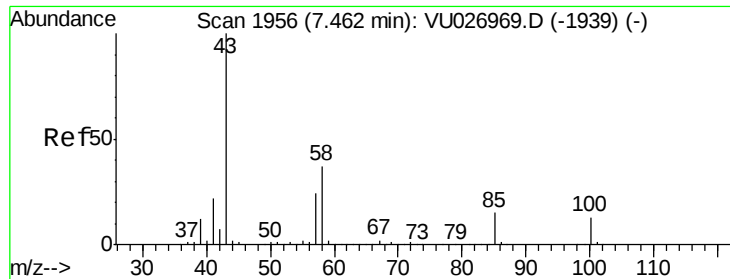
#50
Toluene-d8
Concen: 52.594 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027275.D
Acq: 28 Sep 2018 16:38

Tgt Ion: 98 Resp: 361615
Ion Ratio Lower Upper
98 100
100 60.5 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

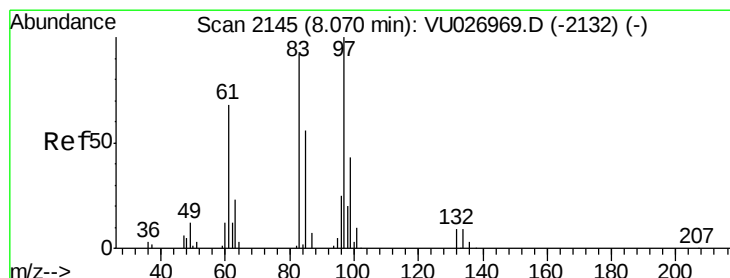
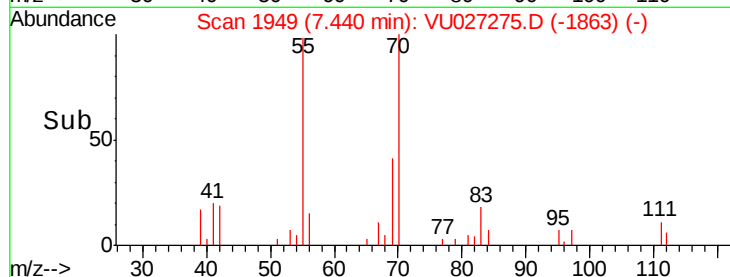
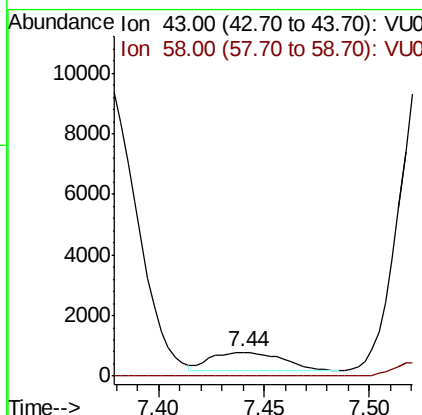
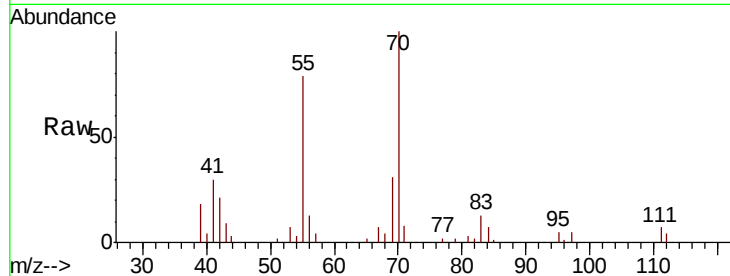




#51
 4-Methyl-2-Pentanone
 Concen: 0.380 ug/l
 RT: 7.44 min Scan# 1949
 Delta R.T. -0.02 min
 Lab File: VU027275.D
 Acq: 28 Sep 2018 16:38

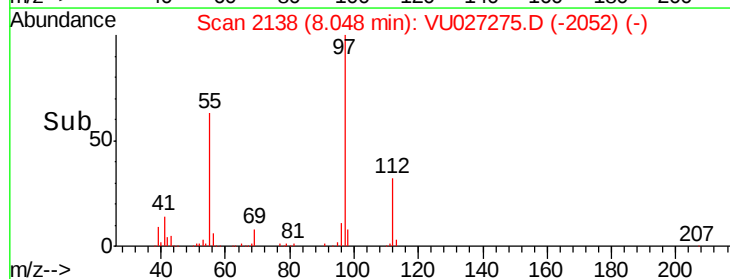
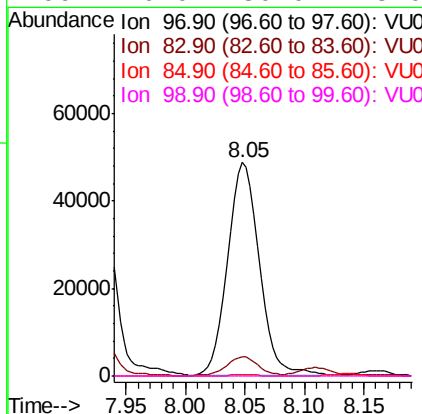
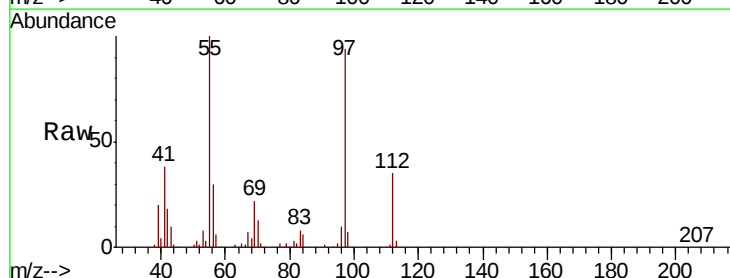
Instrument :
 MSVOA_U
 ClientSampled :

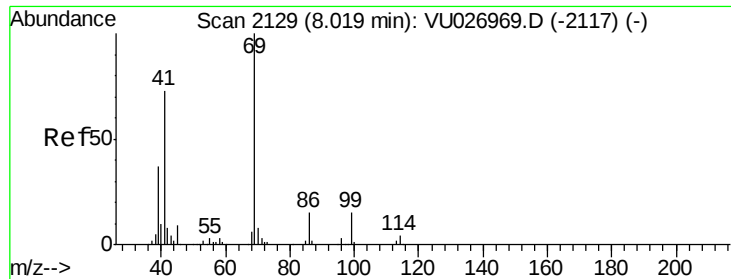
Tot Ion: 43 Resp: 1403
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.8 44.6#



#55
 1,1,2-Trichloroethane
 Concen: 43.732 ug/l
 RT: 8.05 min Scan# 2138
 Delta R.T. -0.02 min
 Lab File: VU027275.D
 Acq: 28 Sep 2018 16:38

Tgt Ion: 97 Resp: 89694
 Ion Ratio Lower Upper
 97 100
 83 8.8 73.1 109.7#
 85 0.4 46.7 70.1#
 99 0.0 50.0 75.0#





#56

Ethyl methacrylate

Concen: 7.832 ug/l

RT: 8.05 min Scan# 2138

Delta R.T. 0.03 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

Instrument :

MSVOA_U

ClientSampled :

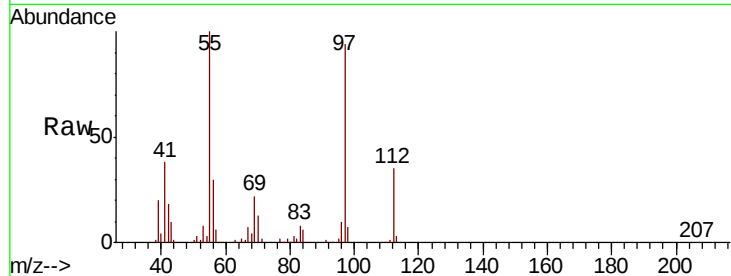
Tot Ion: 69 Resp: 20985

Ion Ratio Lower Upper

69 100

41 171.3 59.0 88.4#

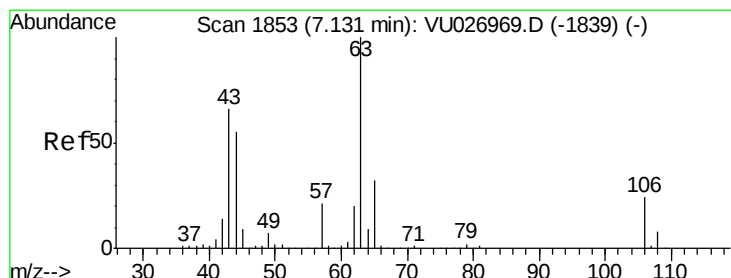
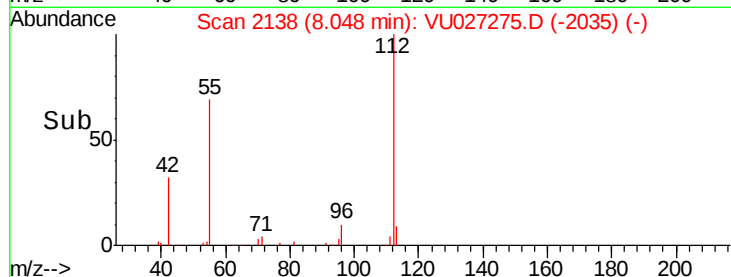
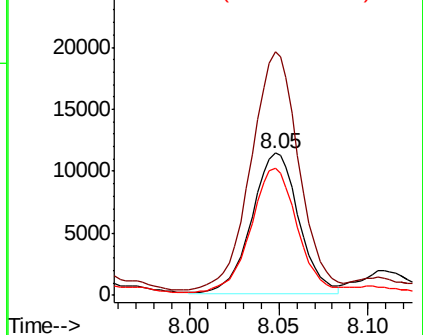
39 86.3 30.2 45.4#



Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 4.957 ug/l

RT: 7.06 min Scan# 1831

Delta R.T. -0.07 min

Lab File: VU027275.D

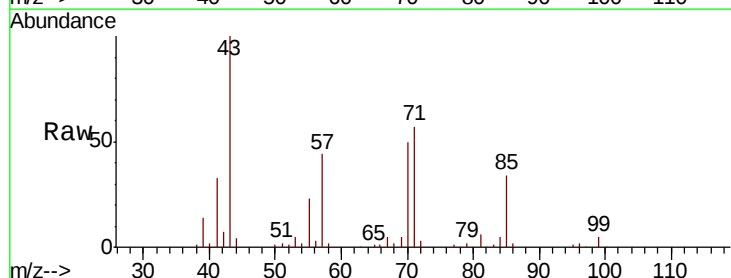
Acq: 28 Sep 2018 16:38

Tgt Ion: 63 Resp: 197

Ion Ratio Lower Upper

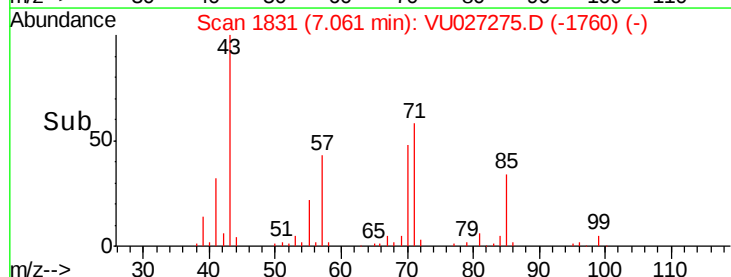
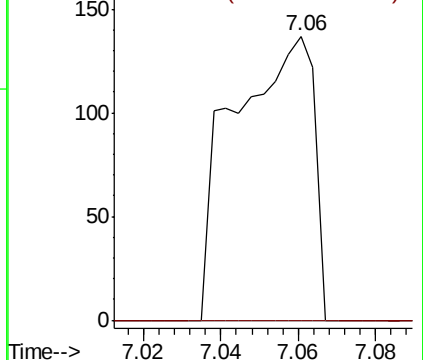
63 100

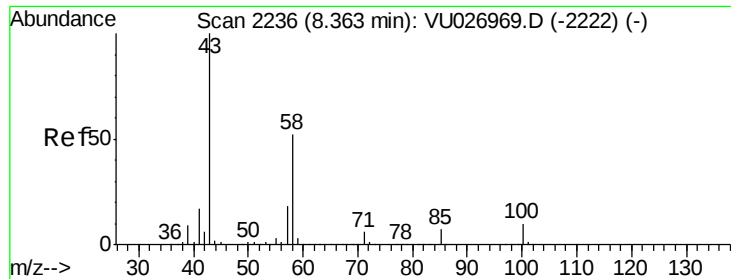
106 0.0 18.7 28.1#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

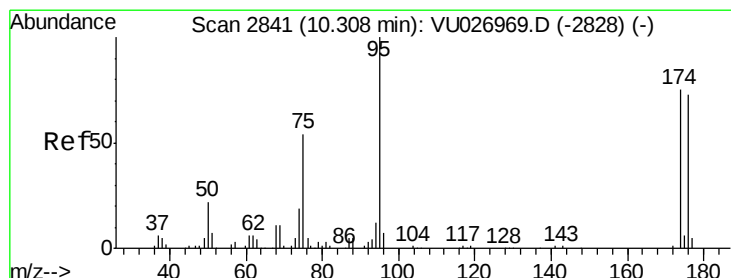
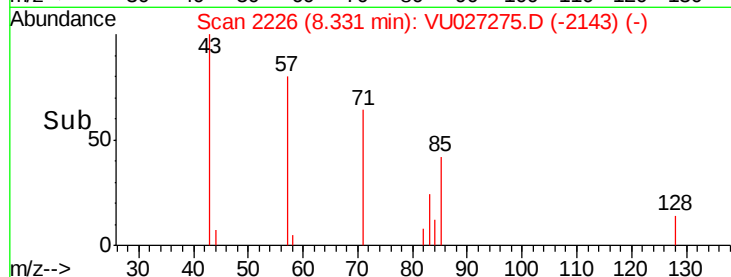
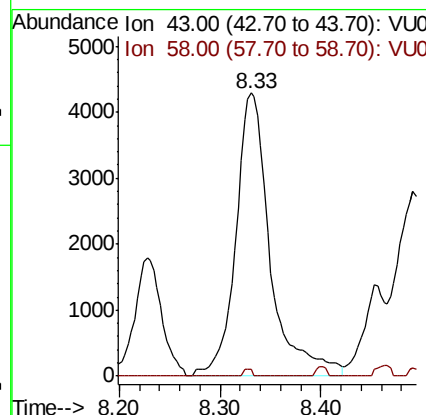
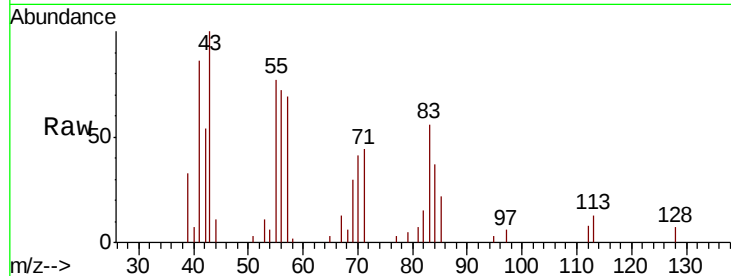




#59
2-Hexanone
Concen: 3.522 ug/l
RT: 8.33 min Scan# 2226
Delta R.T. -0.03 min
Lab File: VU027275.D
Acq: 28 Sep 2018 16:38

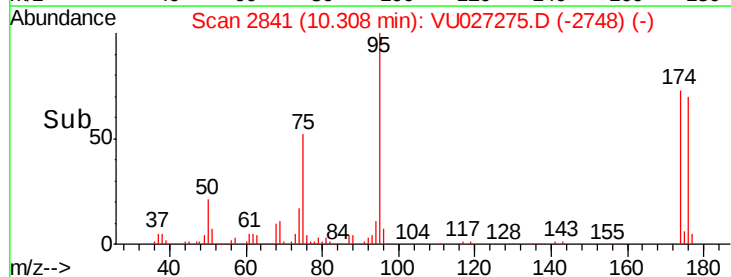
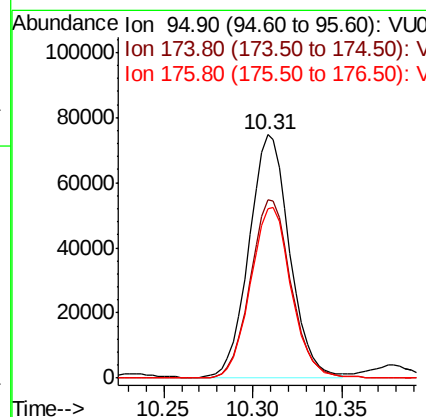
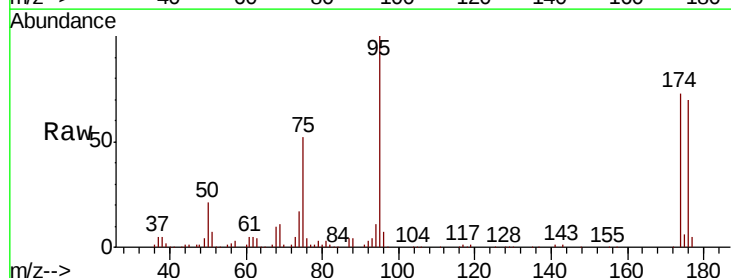
Instrument :
MSVOA_U
ClientSampled :

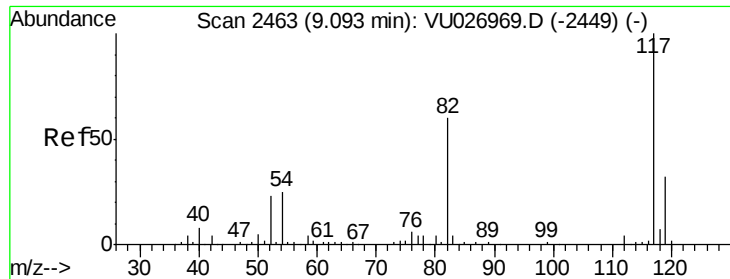
Tot Ion: 43 Resp: 10169
Ion Ratio Lower Upper
43 100
58 0.6 26.1 78.2#



#62
4-Bromofluorobenzene
Concen: 50.145 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027275.D
Acq: 28 Sep 2018 16:38

Tgt Ion: 95 Resp: 118304
Ion Ratio Lower Upper
95 100
174 74.1 0.0 150.2
176 70.9 0.0 145.2

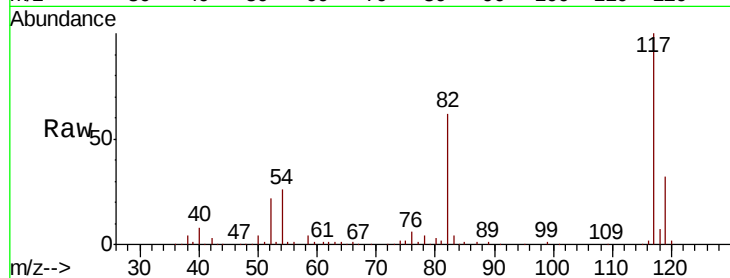




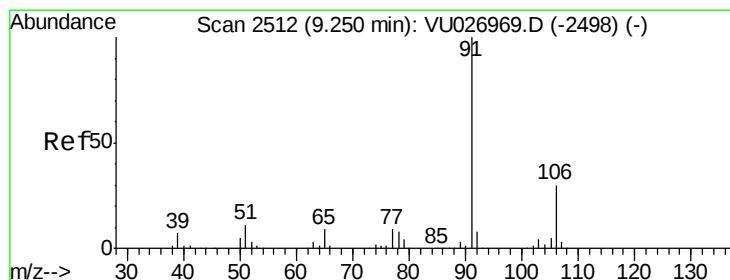
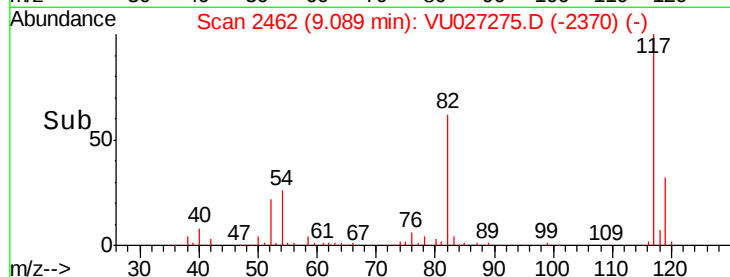
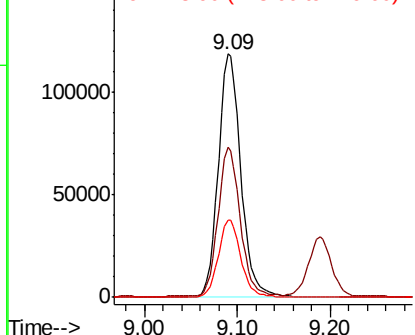
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027275.D
Acq: 28 Sep 2018 16:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 200351
Ion Ratio Lower Upper
117 100
82 61.3 48.0 72.0
119 32.0 25.8 38.8

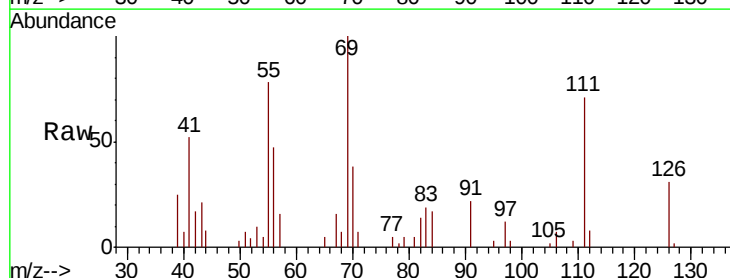


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

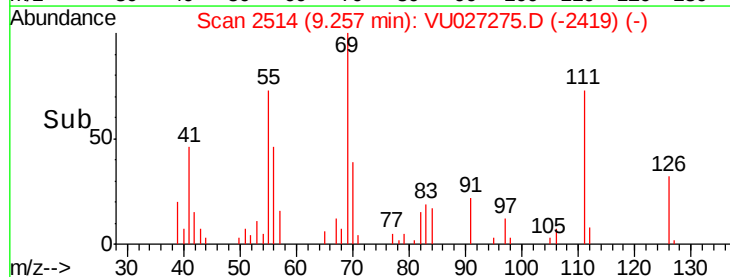
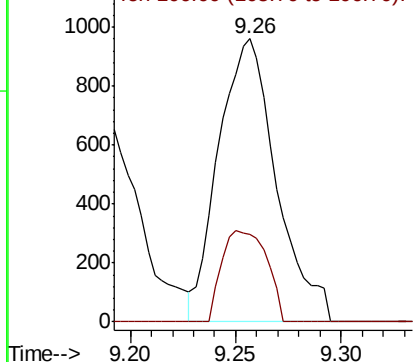


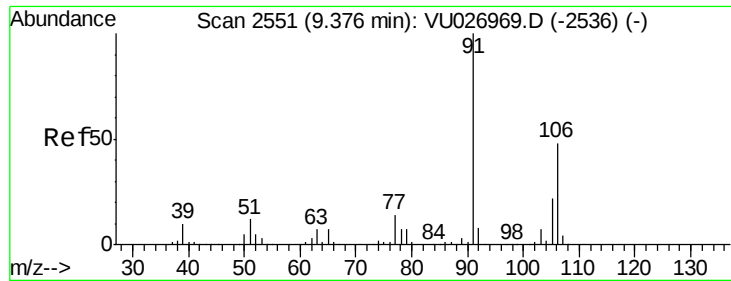
#67
Ethyl Benzene
Concen: 0.209 ug/l
RT: 9.26 min Scan# 2514
Delta R.T. 0.01 min
Lab File: VU027275.D
Acq: 28 Sep 2018 16:38

Tgt Ion: 91 Resp: 1830
Ion Ratio Lower Upper
91 100
106 30.7 23.8 35.8



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

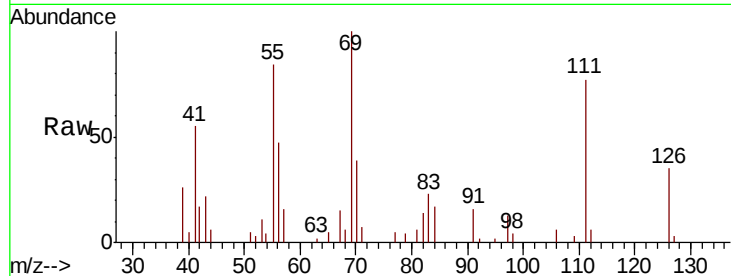




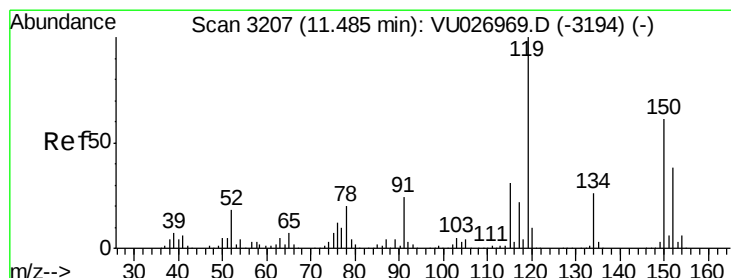
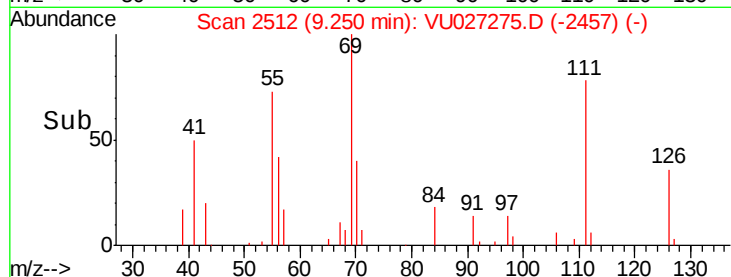
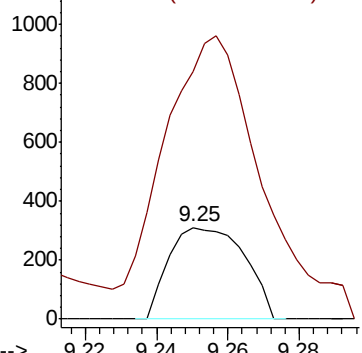
#68
m/p-Xvlenes
Concen: 1.627 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.12 min
Lab File: VU027275.D
Acq: 28 Sep 2018 16:38

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 455
Ion Ratio Lower Upper
106 100
91 402.2 166.5 249.7#

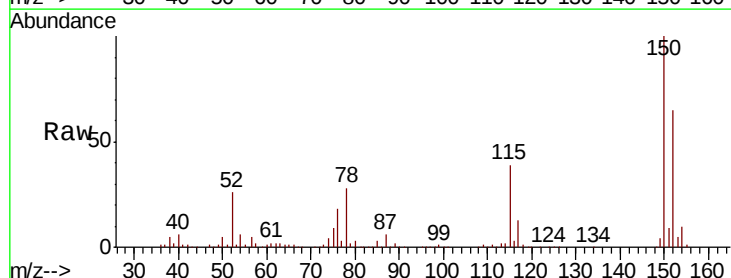


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

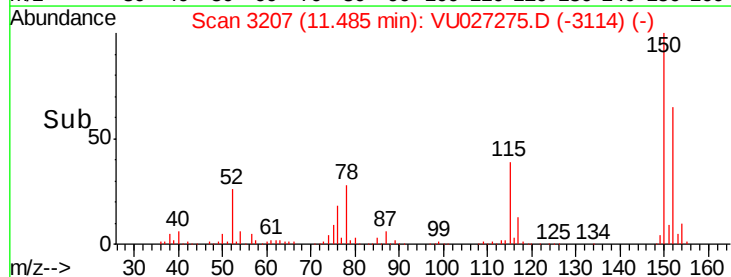
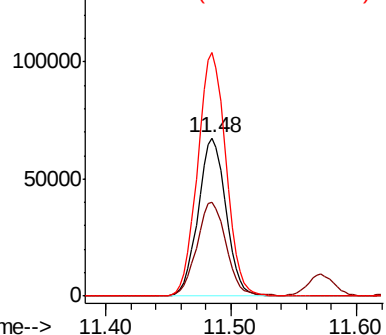


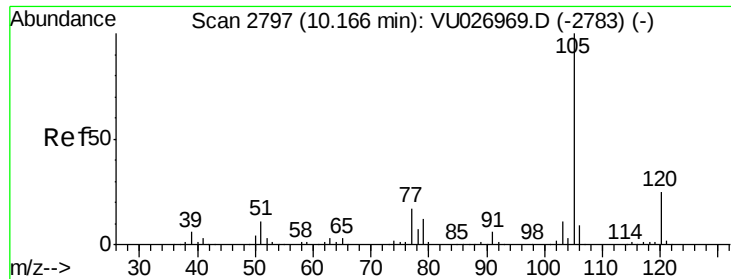
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027275.D
Acq: 28 Sep 2018 16:38

Tgt Ion:152 Resp: 103797
Ion Ratio Lower Upper
152 100
115 61.4 44.9 134.5
150 156.7 0.0 355.8



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: 32.408 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

Instrument :

MSVOA_U

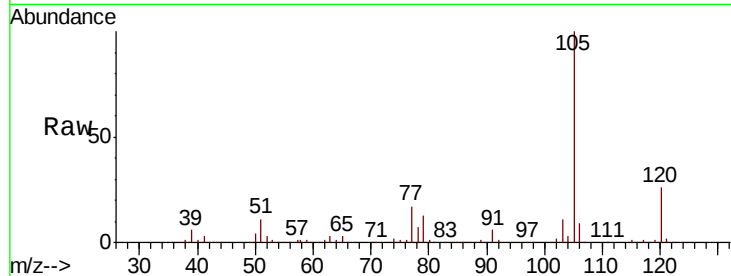
ClientSampleId :

Tot Ion:105 Resp: 255883

Ion Ratio Lower Upper

105 100

120 25.0 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

150000

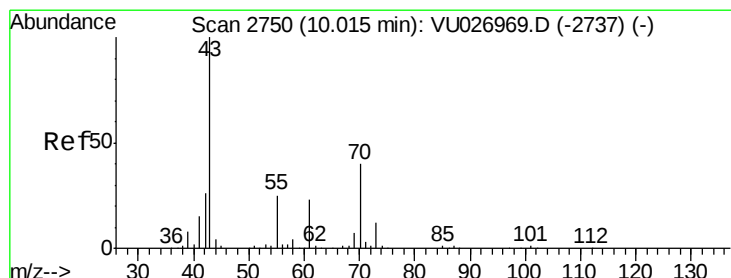
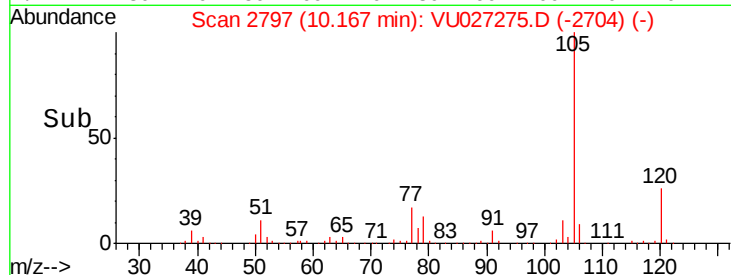
100000

50000

0

Time-->

10.10 10.20



#74

N-ethyl acetate

Concen: 0.891 ug/l

RT: 10.04 min Scan# 2758

Delta R.T. 0.03 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

Tgt Ion: 43 Resp: 4071

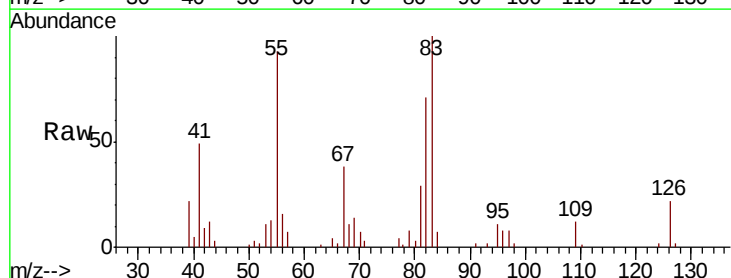
Ion Ratio Lower Upper

43 100

70 23.6 31.8 47.8#

55 538.2 19.9 29.9#

61 0.0 18.4 27.6#



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

15000

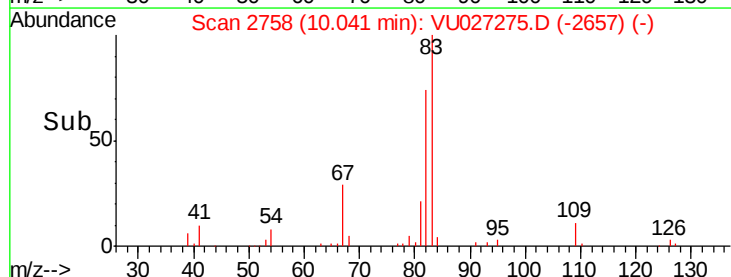
10000

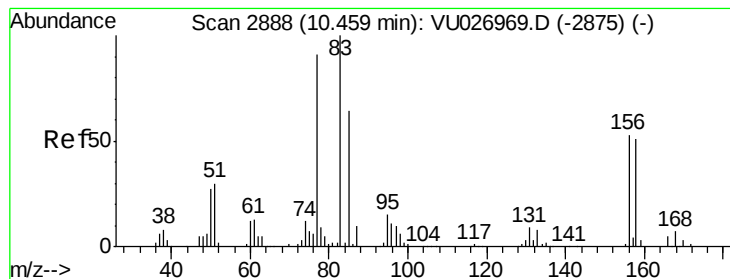
5000

0

Time-->

10.00 10.10





#75

1,1,2,2-Tetrachloroethane

Concen: 0.850 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.04 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

Instrument :

MSVOA_U

ClientSampleId :

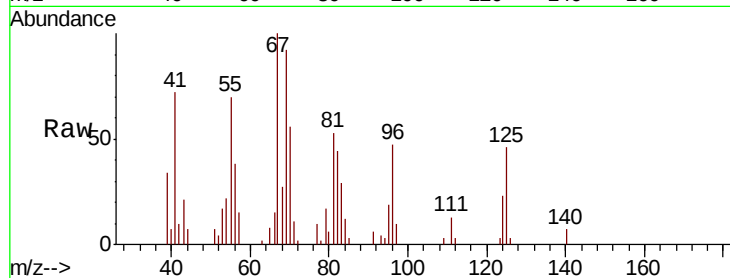
Tot Ion: 83 Resp: 3085

Ion Ratio Lower Upper

83 100

131 0.0 4.3 12.8#

85 6.5 31.9 95.7#

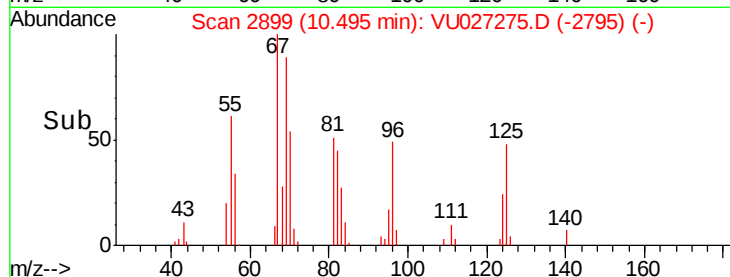


Abundance Ion 82.90 (82.60 to 83.60): VU026969.D (-2875) (-)

Ion 130.80 (130.50 to 131.50): VU026969.D (-2875) (-)

Ion 84.90 (84.60 to 85.60): VU026969.D (-2875) (-)

Time-->

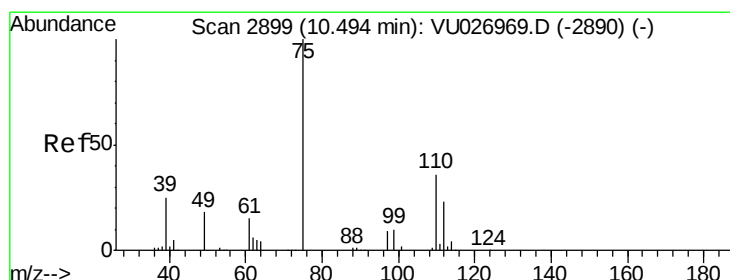


Abundance Ion 82.90 (82.60 to 83.60): VU027275.D (-2795) (-)

Ion 130.80 (130.50 to 131.50): VU027275.D (-2795) (-)

Ion 84.90 (84.60 to 85.60): VU027275.D (-2795) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 19.971 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027275.D

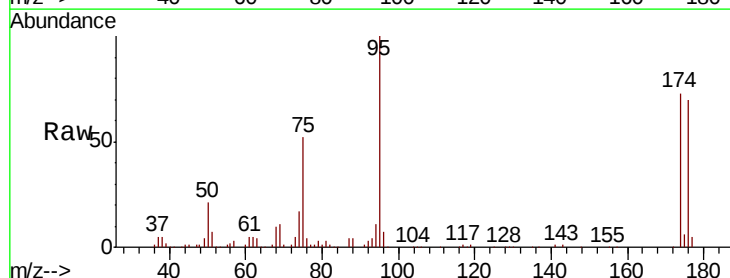
Acq: 28 Sep 2018 16:38

Tgt Ion: 75 Resp: 62974

Ion Ratio Lower Upper

75 100

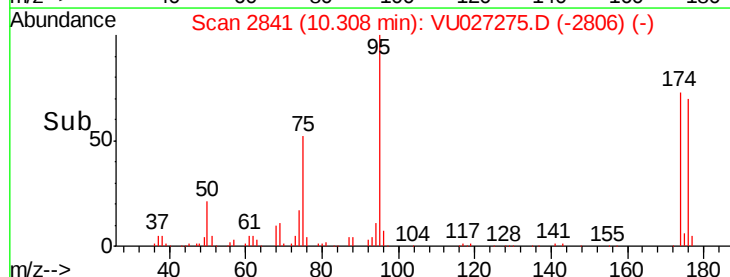
77 1.3 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU026969.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU026969.D (-2890) (-)

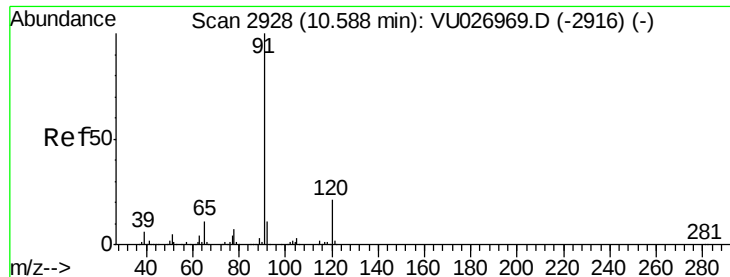
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VU027275.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU027275.D (-2806) (-)

Time-->



#78

n-propylbenzene

Concen: 32.593 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

Instrument :

MSVOA_U

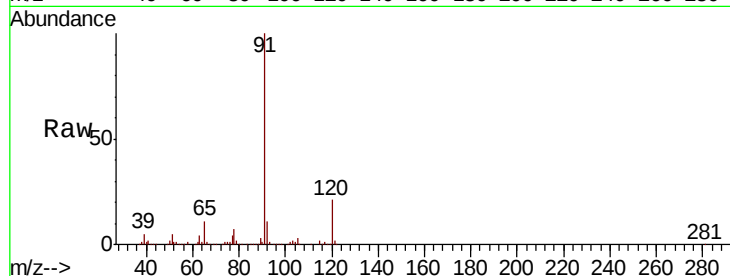
ClientSampleId :

Tot Ion: 91 Resp: 304501

Ion Ratio Lower Upper

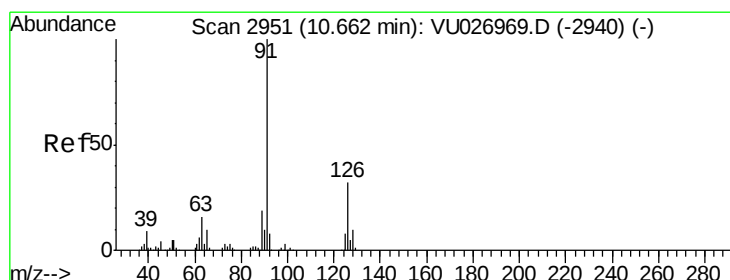
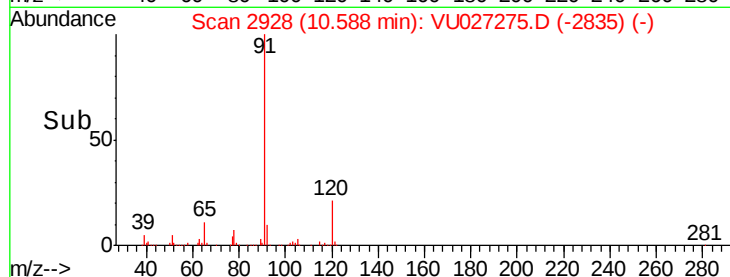
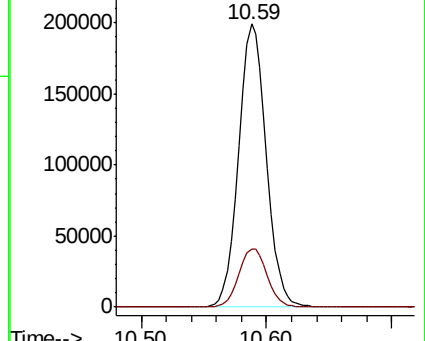
91 100

120 21.2 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: 51.889 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.07 min

Lab File: VU027275.D

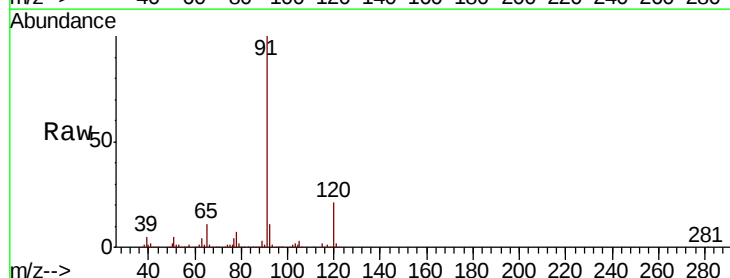
Acq: 28 Sep 2018 16:38

Tgt Ion: 91 Resp: 304501

Ion Ratio Lower Upper

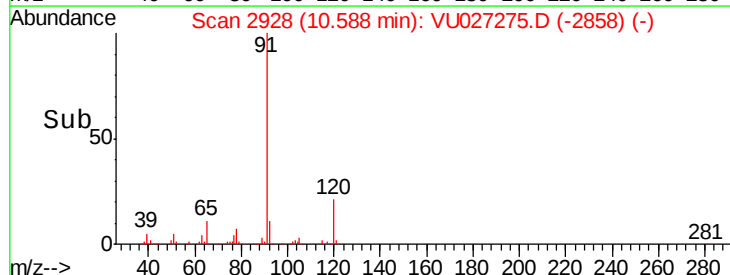
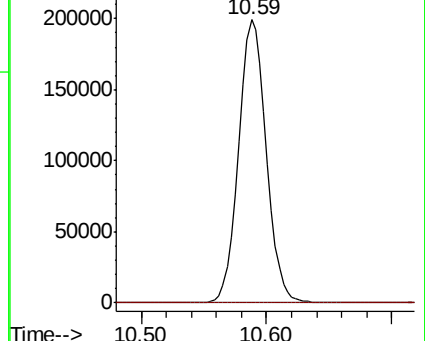
91 100

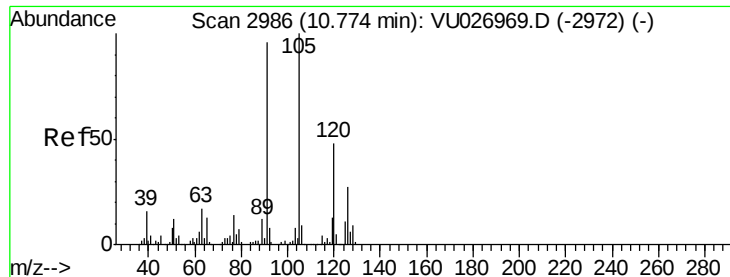
126 0.0 15.8 47.3#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 1.674 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.19 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

Instrument :

MSVOA_U

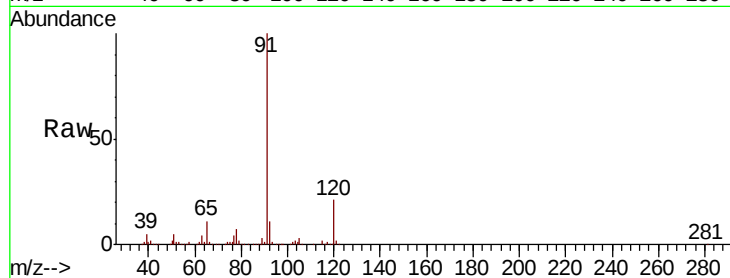
ClientSampleId :

Tot Ion:105 Resp: 10910

Ion Ratio Lower Upper

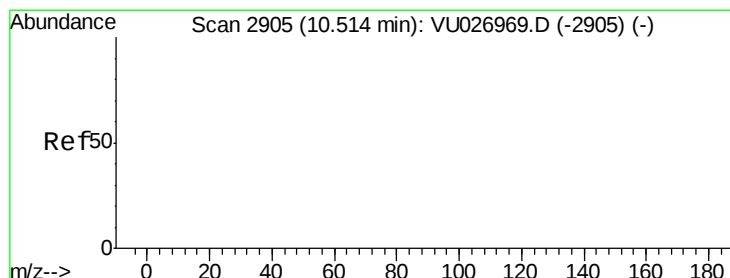
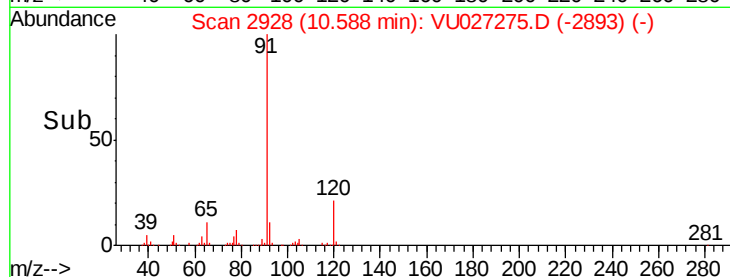
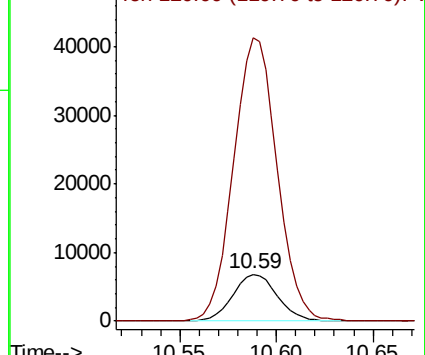
105 100

120 590.5 23.9 71.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 63.910 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

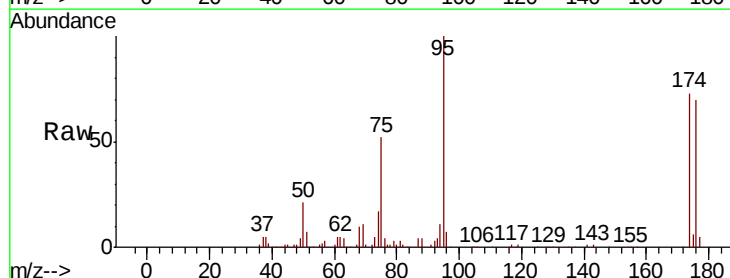
Tgt Ion: 75 Resp: 62974

Ion Ratio Lower Upper

75 100

53 0.1 0.0 0.0#

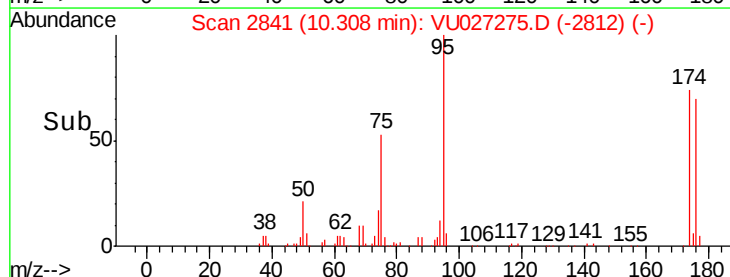
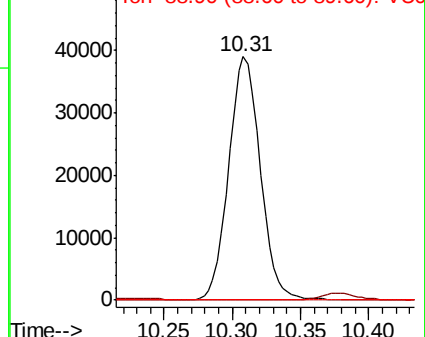
89 0.0 0.0 0.0

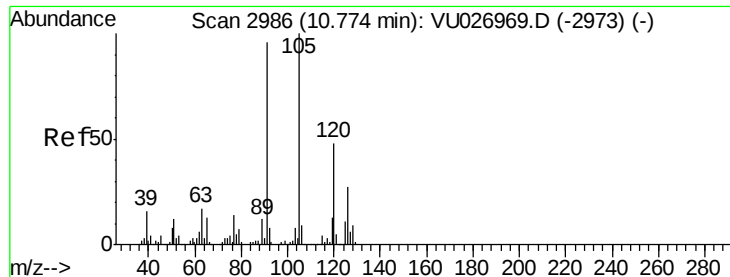


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#82

4-Chlorotoluene

Concen: 46.277 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.19 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

Instrument :

MSVOA_U

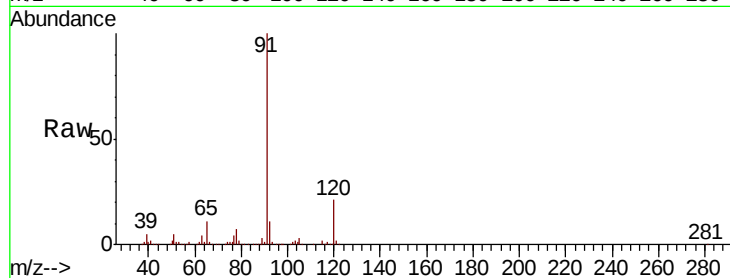
ClientSampleId :

Tot Ion: 91 Resp: 304501

Ion Ratio Lower Upper

91 100

126 0.0 14.1 42.2#



Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2973) (-)

Ion 125.90 (125.60 to 126.60): VU026969.D (-2973) (-)

10.59

200000

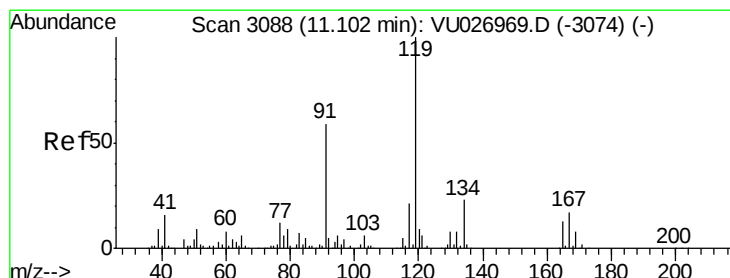
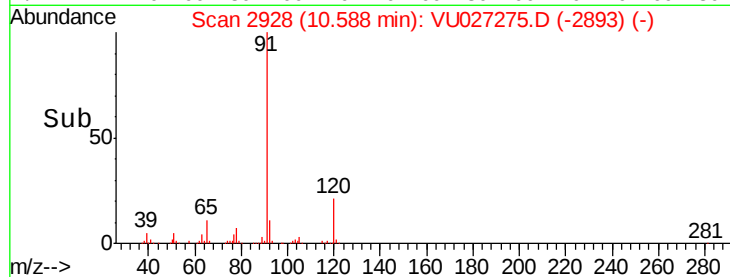
150000

100000

50000

0

Time-->



#83

tert-Butylbenzene

Concen: 2.467 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

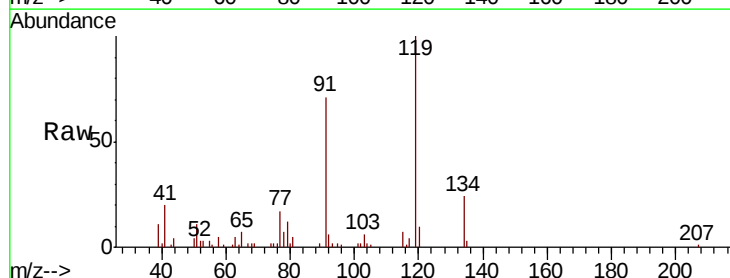
Tgt Ion: 119 Resp: 15898

Ion Ratio Lower Upper

119 100

91 71.6 29.8 89.4

134 23.1 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): VU026969.D (-3074) (-)

Ion 91.00 (90.70 to 91.70): VU026969.D (-3074) (-)

Ion 134.00 (133.70 to 134.70): VU026969.D (-3074) (-)

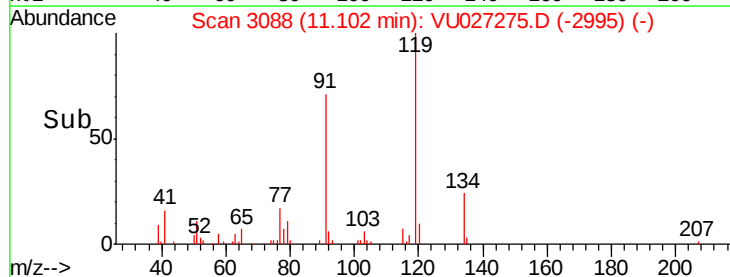
11.10

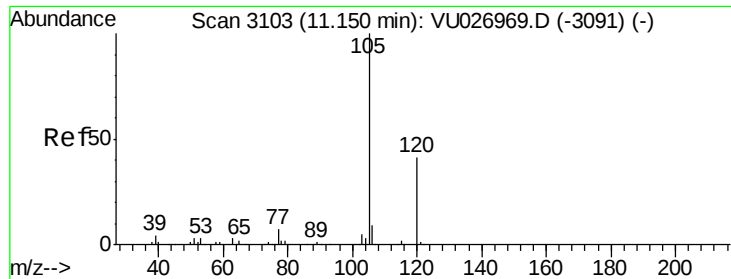
10000

5000

0

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 19.603 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.17 min

Lab File: VU027275.D

Acq: 28 Sep 2018 16:38

Instrument :

MSVOA_U

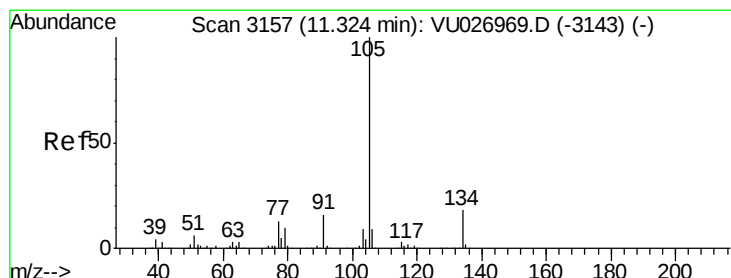
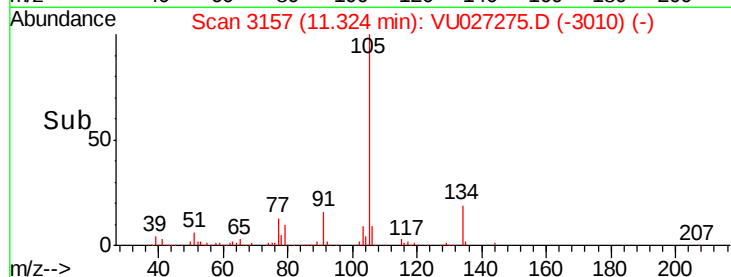
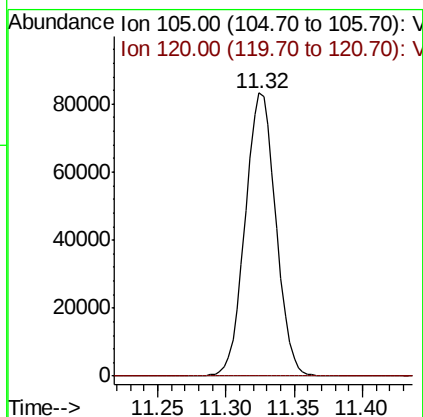
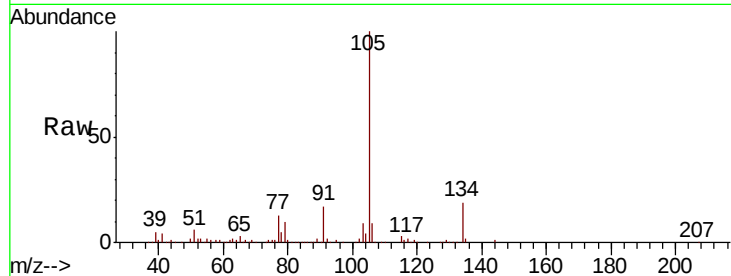
ClientSampleId :

Tot Ion:105 Resp: 130024

Ion Ratio Lower Upper

105 100

120 0.0 22.4 67.2#



#85

sec-Butylbenzene

Concen: 16.530 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027275.D

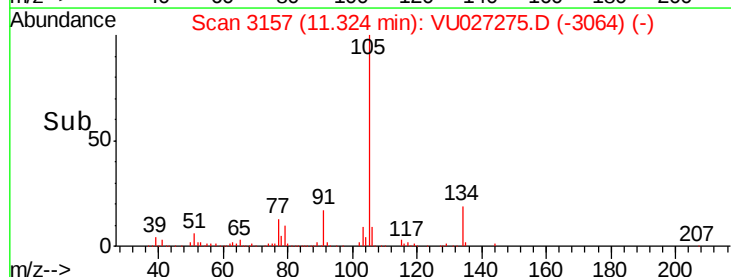
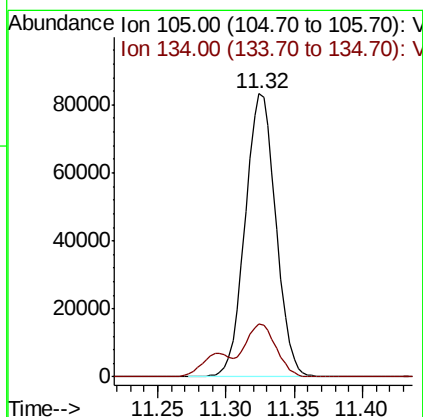
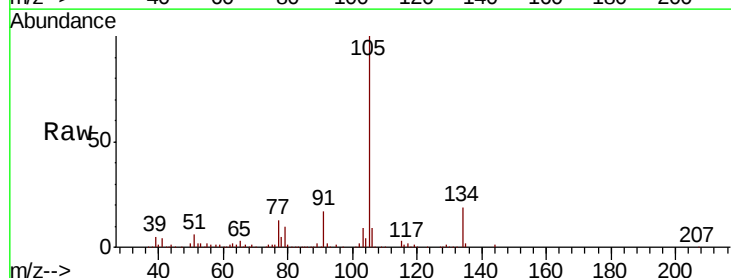
Acq: 28 Sep 2018 16:38

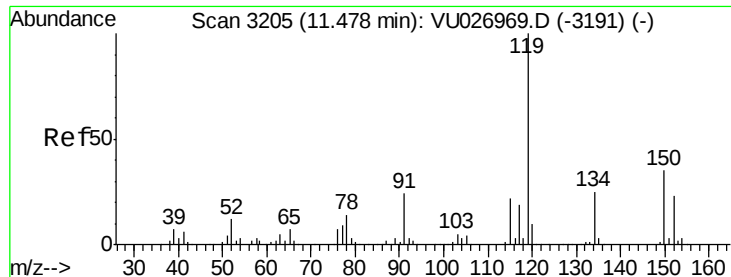
Tgt Ion:105 Resp: 130024

Ion Ratio Lower Upper

105 100

134 19.1 9.4 28.2

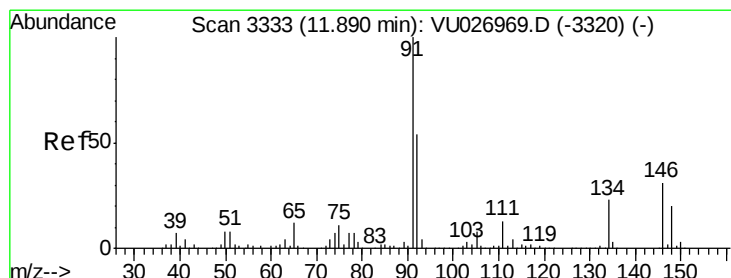
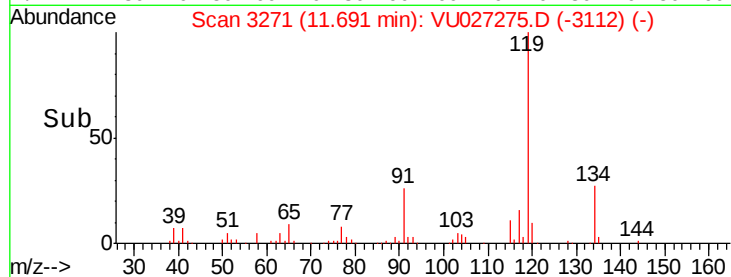
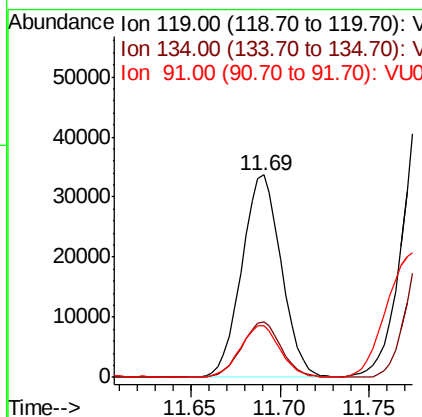
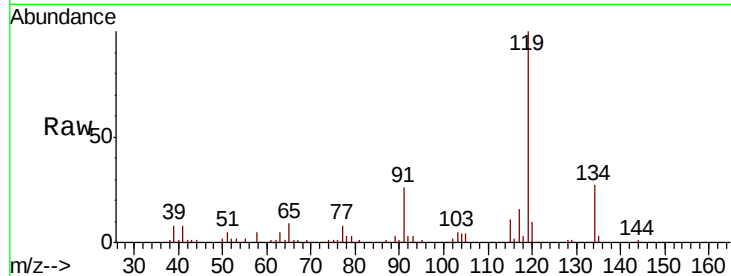




#86
 p-Isopropyltoluene
 Concen: 7.895 ug/l
 RT: 11.69 min Scan# 3271
 Delta R.T. 0.21 min
 Lab File: VU027275.D
 Acq: 28 Sep 2018 16:38

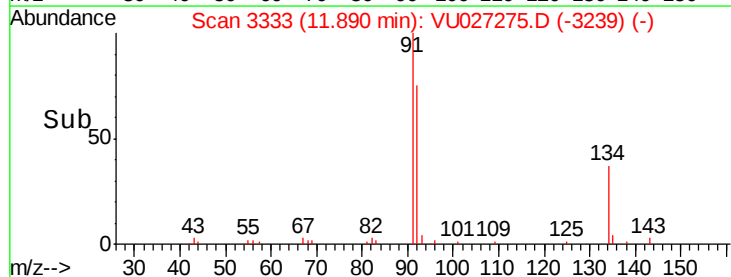
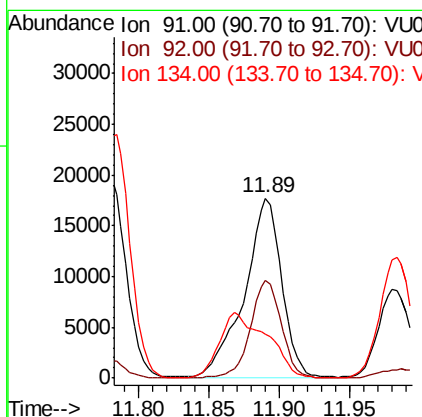
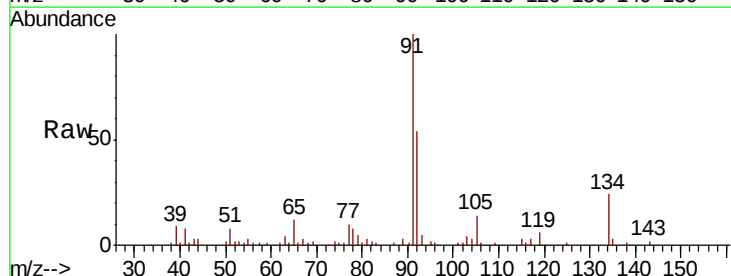
Instrument :
 MSVOA_U
 ClientSampled :

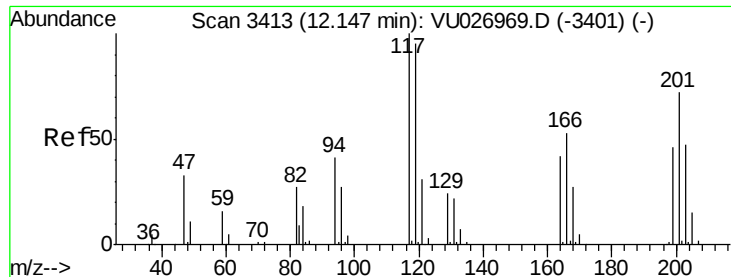
Tot Ion:119 Resp: 52402
 Ion Ratio Lower Upper
 119 100
 134 27.2 12.8 38.3
 91 26.1 12.3 36.8



#89
 n-Butylbenzene
 Concen: 6.801 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU027275.D
 Acq: 28 Sep 2018 16:38

Tgt Ion: 91 Resp: 33131
 Ion Ratio Lower Upper
 91 100
 92 44.5 27.1 81.2
 134 0.0 11.7 35.0#

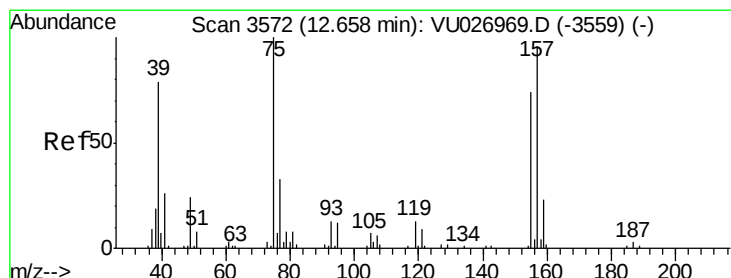
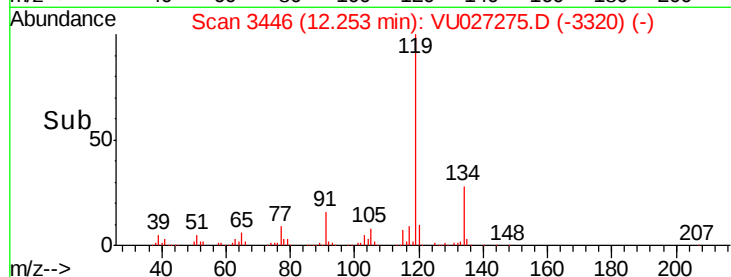
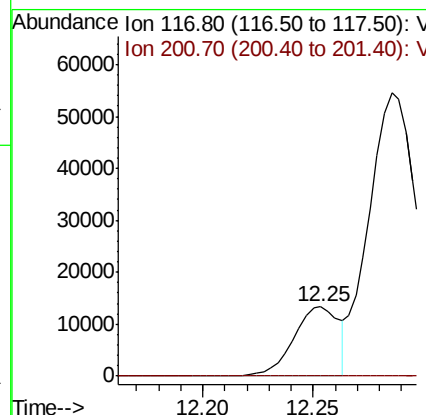
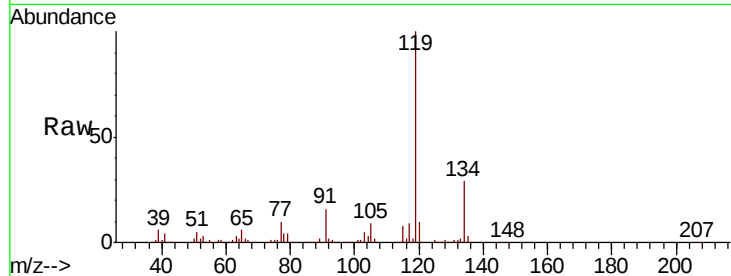




#90
Hexachloroethane
Concen: 13.424 ug/l
RT: 12.25 min Scan# 3446
Delta R.T. 0.11 min
Lab File: VU027275.D
Acq: 28 Sep 2018 16:38

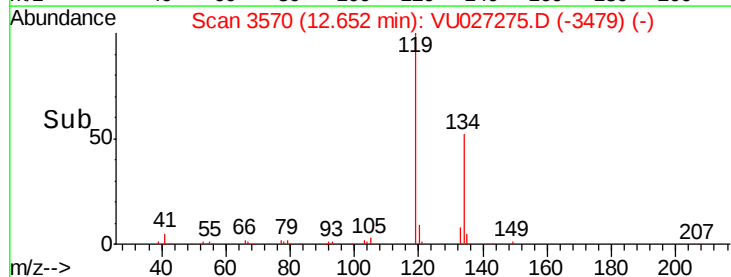
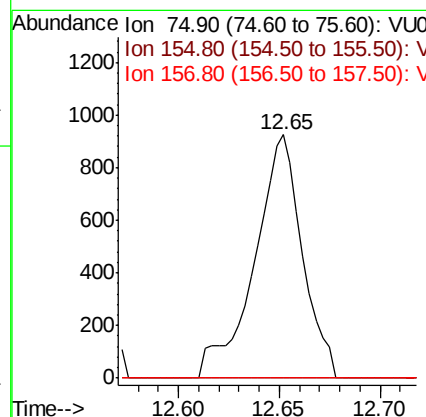
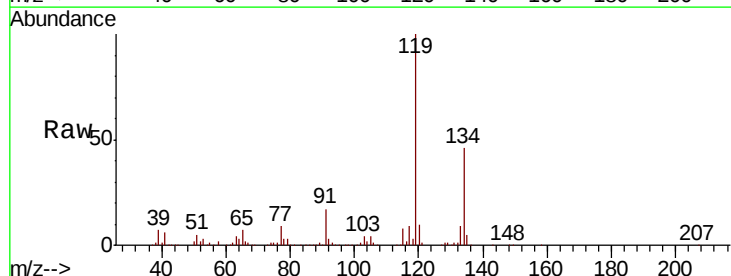
Instrument :
MSVOA_U
ClientSampleId :

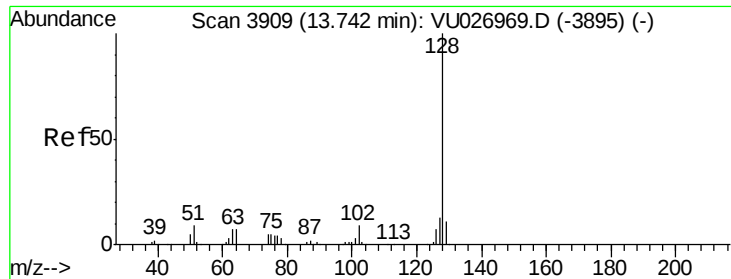
Tot Ion:117 Resp: 19201
Ion Ratio Lower Upper
117 100
201 0.0 36.8 110.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.056 ug/l
RT: 12.65 min Scan# 3570
Delta R.T. -0.01 min
Lab File: VU027275.D
Acq: 28 Sep 2018 16:38

Tgt Ion: 75 Resp: 1523
Ion Ratio Lower Upper
75 100
155 0.0 36.6 109.8#
157 0.0 47.4 142.2#

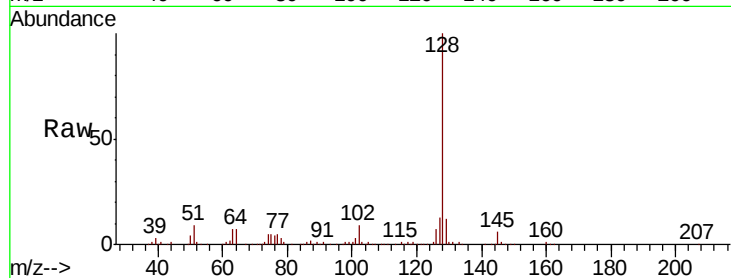




#95
 Naphthalene
 Concen: 21.213 ug/l
 RT: 13.74 min Scan# 3909
 Delta R.T. 0.00 min
 Lab File: VU027275.D
 Acq: 28 Sep 2018 16:38

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.6	15.8
129	12.2	8.6	12.8



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

