

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027274.D
 Acq On : 28 Sep 2018 16:15
 Operator : MD/SY
 Sample : J5041-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 28 17:38:57 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	122228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	199698	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	193001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	100467	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	108026	43.91	ug/l	0.00
Spiked Amount			Recovery	=	87.82%	
35) Dibromofluoromethane	4.88	113	78957	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	
50) Toluene-d8	7.57	98	344502	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
62) 4-Bromofluorobenzene	10.31	95	113698	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	594	0.216	ug/l #	86
11) Tert butyl alcohol	2.83	59	554	0.983	ug/l #	72
13) Acrolein	2.31	56	8044	26.464	ug/l #	71
14) Allyl chloride	2.71	41	98636	28.808	ug/l #	58
15) Acrylonitrile	3.00	53	15940	11.216	ug/l #	37
16) Acetone	2.31	43	25476	3.112	ug/l #	56
18) Methyl Acetate	2.71	43	258921	73.947	ug/l #	55
20) Methylene Chloride	2.70	84	926	0.420	ug/l #	1
25) 2-Butanone	4.23	43	9776	4.729	ug/l #	53
29) Tetrahydrofuran	4.73	42	1089	0.871	ug/l #	1
31) Cyclohexane	5.00	56	1097053	302.105	ug/l	99
36) 1,1-Dichloropropene	4.99	75	11991	4.499	ug/l #	15
37) Ethyl Acetate	4.23	43	9776	2.710	ug/l #	70
38) Carbon Tetrachloride	4.99	117	12293	4.847	ug/l #	18
39) Methylcyclohexane	6.42	83	1635998	564.854	ug/l	99
40) Benzene	5.40	78	2483	0.306	ug/l	96
41) Methacrylonitrile	4.74	41	7144	3.813	ug/l #	52
42) 1,2-Dichloroethane	5.49	62	952	0.311	ug/l #	1
43) Isopropyl Acetate	5.55	43	39711	7.547	ug/l #	63
45) 1,2-Dichloropropane	6.42	63	14433	6.252	ug/l #	1
46) Dibromomethane	6.42	93	1062	0.762	ug/l #	6
47) Bromodichloromethane	6.74	83	4000	1.419	ug/l #	69
48) Methyl methacrylate	6.42	41	832523	285.827	ug/l #	80
51) 4-Methyl-2-Pentanone	7.53	43	21881	6.183	ug/l #	42
55) 1,1,2-Trichloroethane	8.05	97	82921	42.138	ug/l #	18
56) Ethyl methacrylate	8.05	69	20007	7.796	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.06	63	134	4.929	ug/l #	52
59) 2-Hexanone	8.33	43	8869	3.202	ug/l #	28
67) Ethyl Benzene	9.26	91	2735	0.325	ug/l	96
68) m/p-Xylenes	9.25	106	577	1.667	ug/l #	1
73) Isopropylbenzene	10.17	105	250493	32.777	ug/l	100
76) 1,2,3-Trichloropropane	10.31	75	59982	19.652	ug/l #	36
78) n-propylbenzene	10.59	91	298163	32.973	ug/l	100
79) 2-Chlorotoluene	10.59	91	298163	52.493	ug/l #	43

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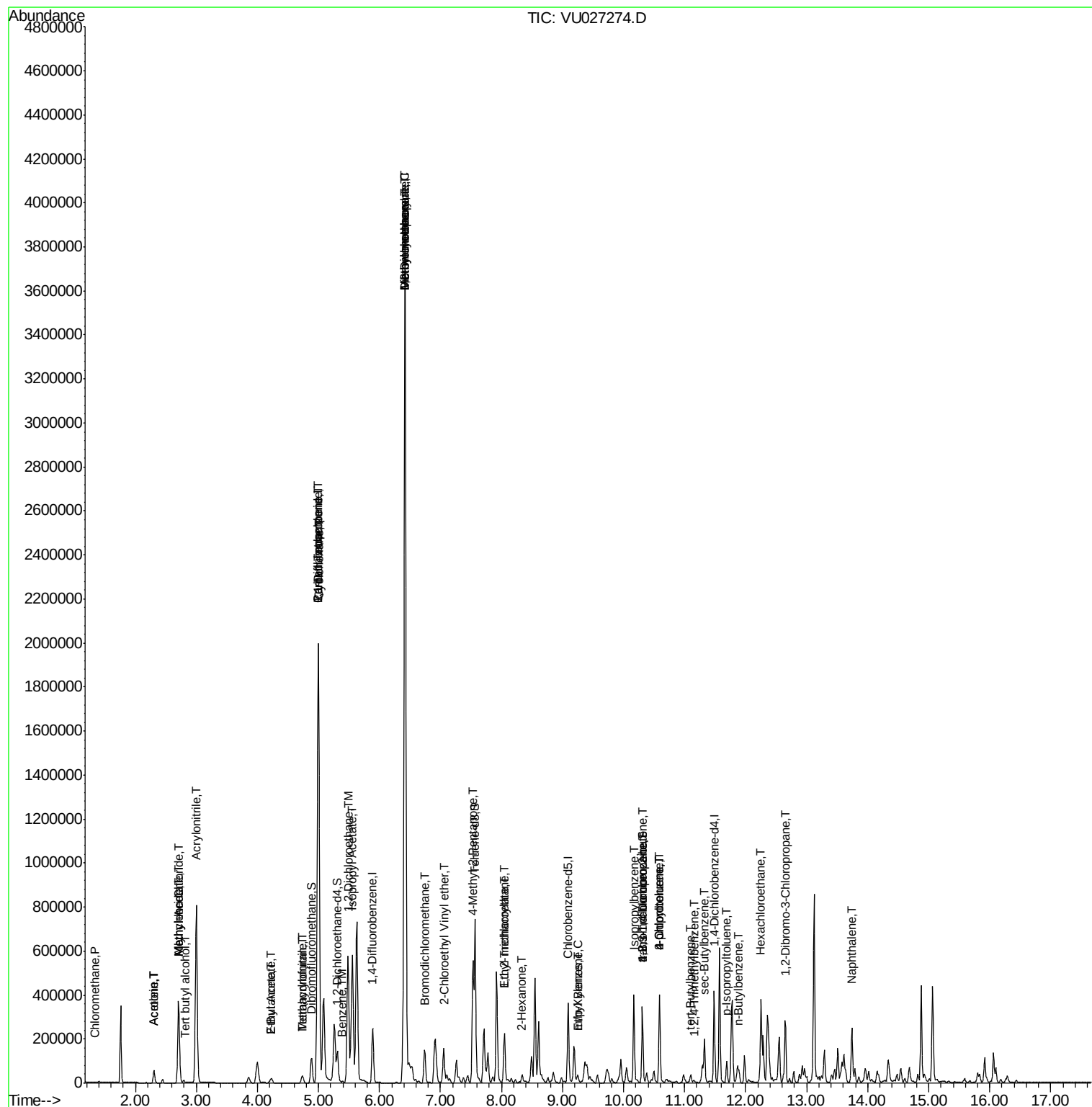
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	10.31	75	59982	62.891	ug/l #	100
82) 4-Chlorotoluene	10.59	91	298163	46.816	ug/l #	47
83) tert-Butylbenzene	11.10	119	15660	2.511	ug/l	87
84) 1,2,4-Trimethylbenzene	11.15	105	4112	0.640	ug/l	98
85) sec-Butylbenzene	11.32	105	126102	16.563	ug/l	99
86) p-Isopropyltoluene	11.69	119	52325	8.116	ug/l	97
89) n-Butylbenzene	11.89	91	32407	6.848	ug/l #	77
90) Hexachloroethane	12.25	117	18130	13.095	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	12.65	75	1390	1.939	ug/l #	7
95) Naphthalene	13.74	128	170990	21.552	ug/l	97

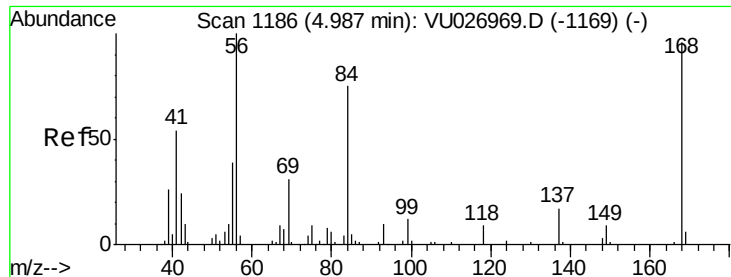
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027274.D

Acq: 28 Sep 2018 16:15

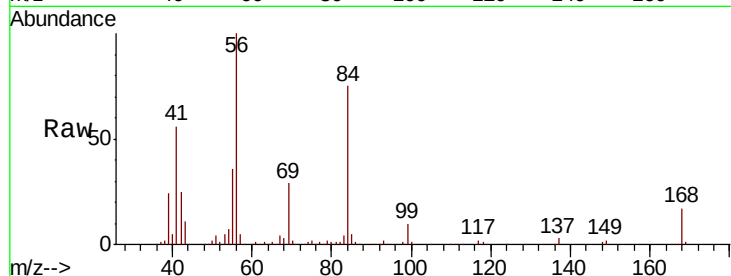
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 122228

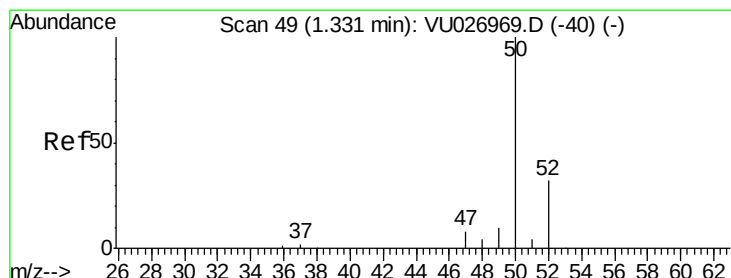
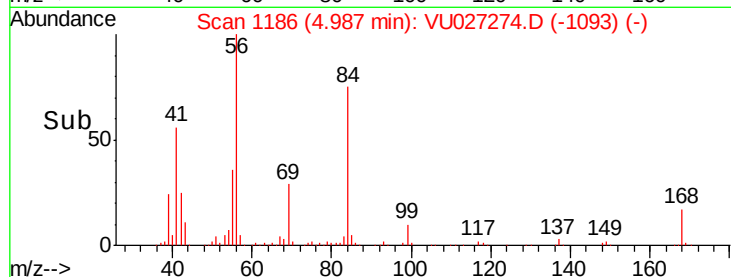
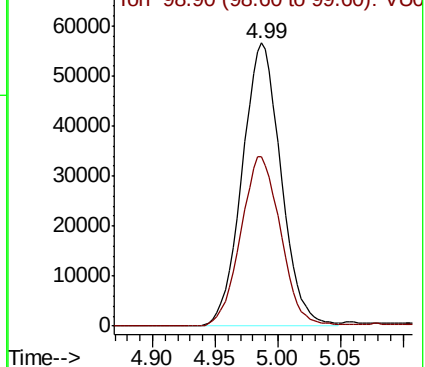
Ion Ratio Lower Upper

168 100

99 59.9 48.1 72.1



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



#3

Chloromethane

Concen: 0.216 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027274.D

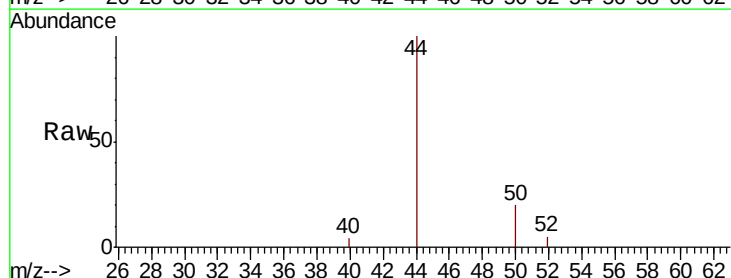
Acq: 28 Sep 2018 16:15

Tgt Ion: 50 Resp: 594

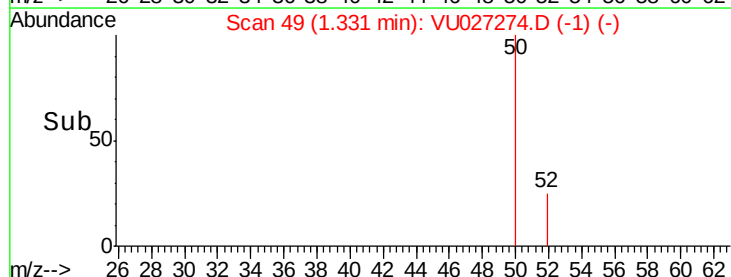
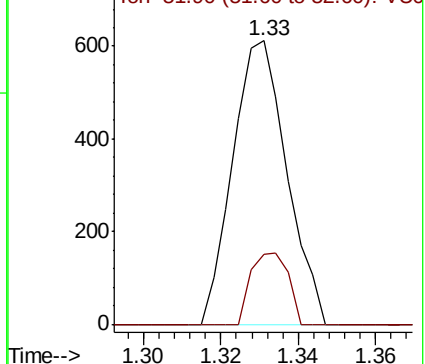
Ion Ratio Lower Upper

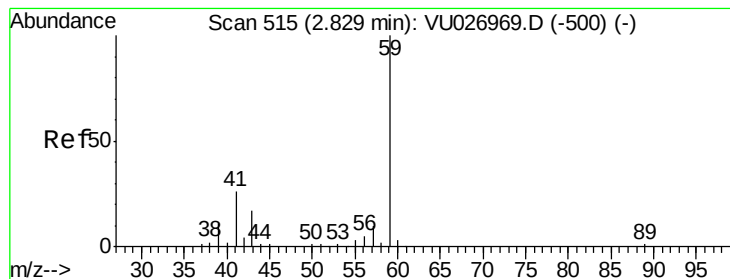
50 100

52 24.5 25.9 38.9#



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



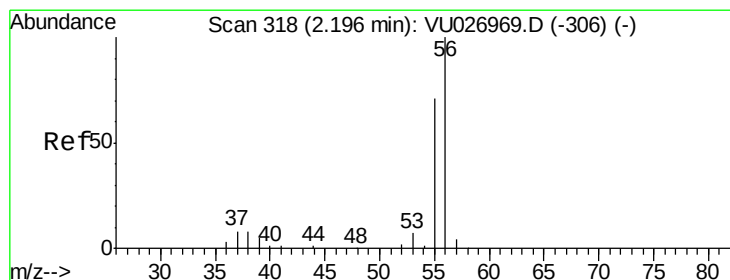
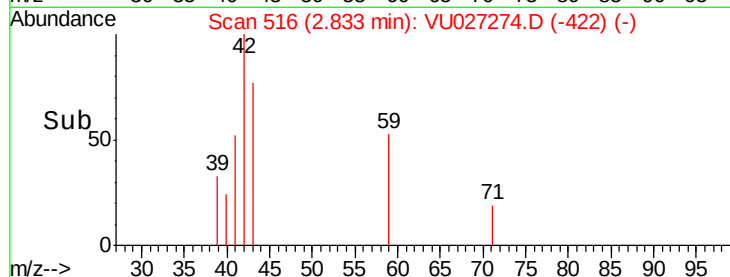
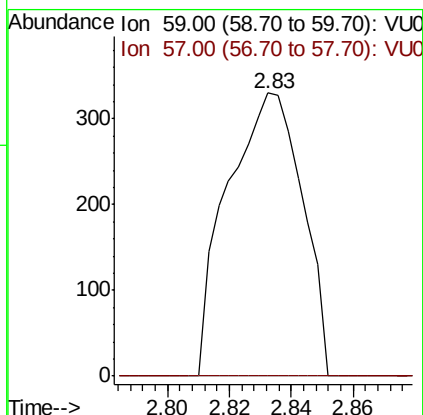
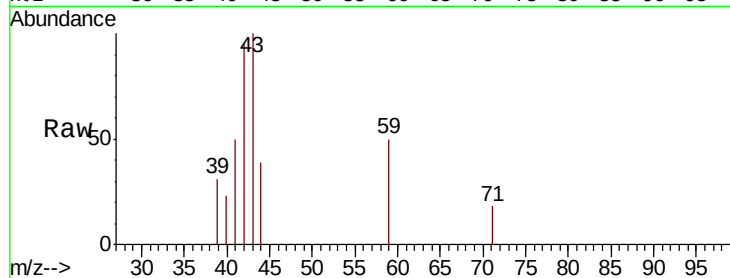


#11

Tert butyl alcohol
 Concen: 0.983 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.00 min
 Lab File: VU027274.D
 Acq: 28 Sep 2018 16:15

Instrument :
 MSVOA_U
 ClientSampled :

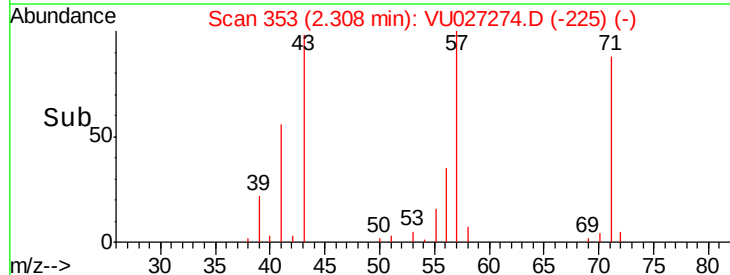
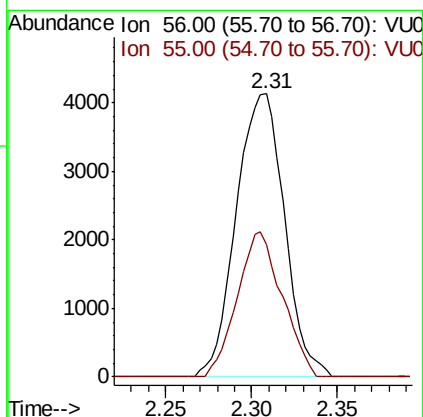
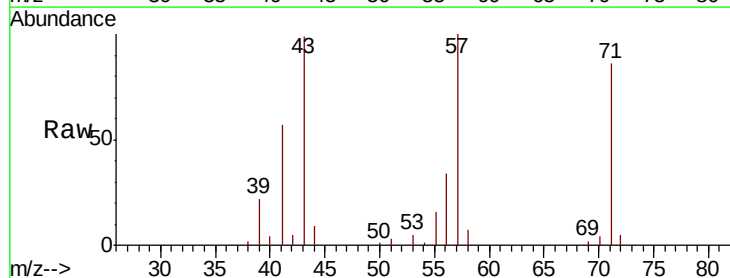
Tot Ion: 59 Resp: 554
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

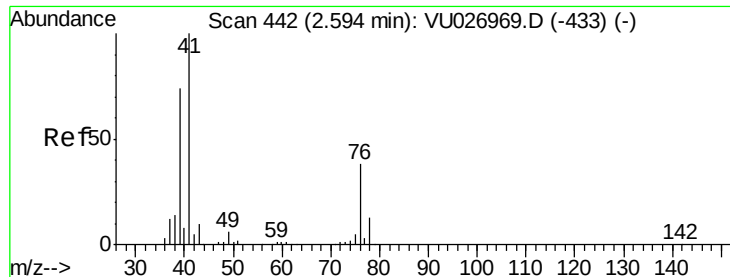


#13

Acrolein
 Concen: 26.464 ug/l
 RT: 2.31 min Scan# 353
 Delta R.T. 0.11 min
 Lab File: VU027274.D
 Acq: 28 Sep 2018 16:15

Tgt Ion: 56 Resp: 8044
 Ion Ratio Lower Upper
 56 100
 55 47.7 57.1 85.7#





#14

Allvl chloride

Concen: 28.808 ug/l

RT: 2.71 min Scan# 477

Delta R.T. 0.11 min

Lab File: VU027274.D

Acq: 28 Sep 2018 16:15

Instrument :

MSVOA_U

ClientSampled :

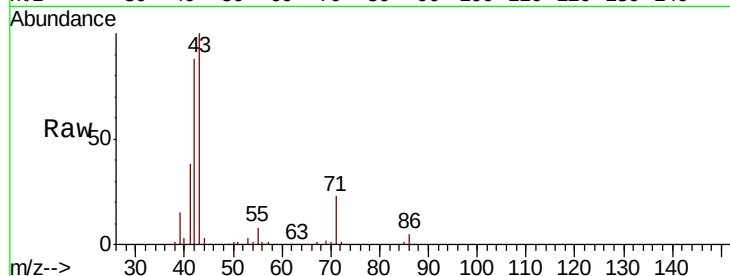
Tot Ion: 41 Resp: 98636

Ion Ratio Lower Upper

41 100

39 41.3 55.7 83.5#

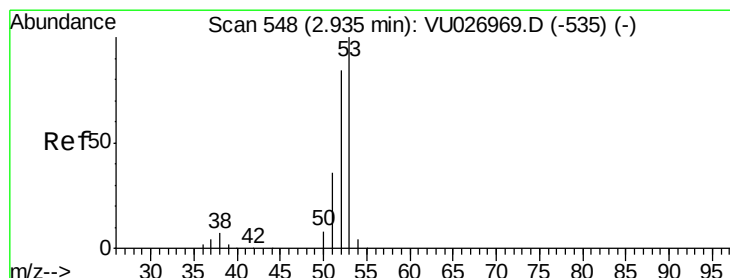
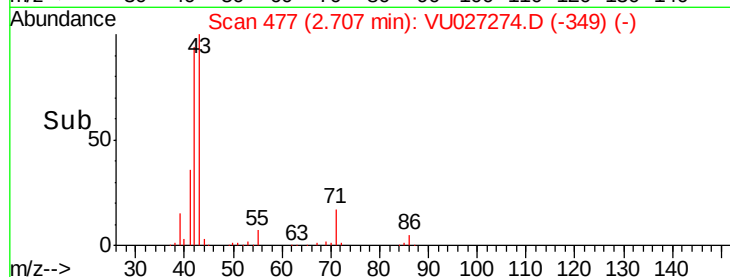
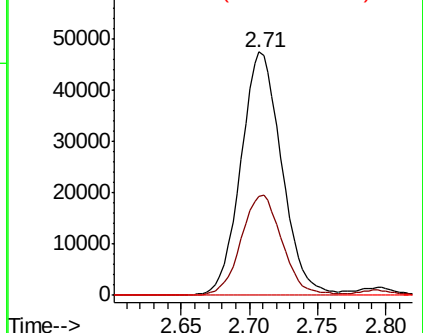
76 0.0 26.5 39.7#



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0



#15

Acrylonitrile

Concen: 11.216 ug/l

RT: 3.00 min Scan# 568

Delta R.T. 0.06 min

Lab File: VU027274.D

Acq: 28 Sep 2018 16:15

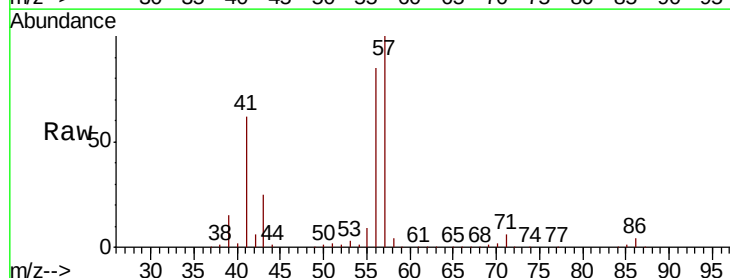
Tgt Ion: 53 Resp: 15940

Ion Ratio Lower Upper

53 100

52 17.8 65.7 98.5#

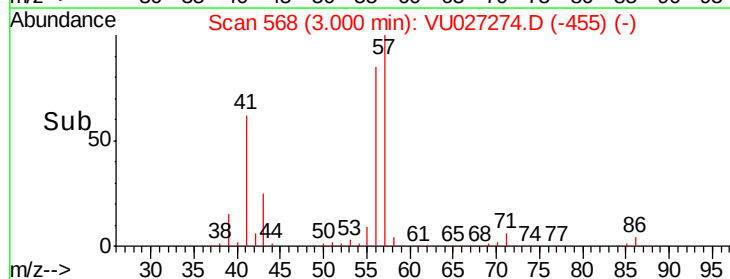
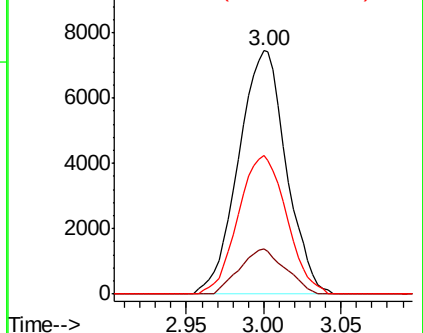
51 57.6 27.4 41.2#

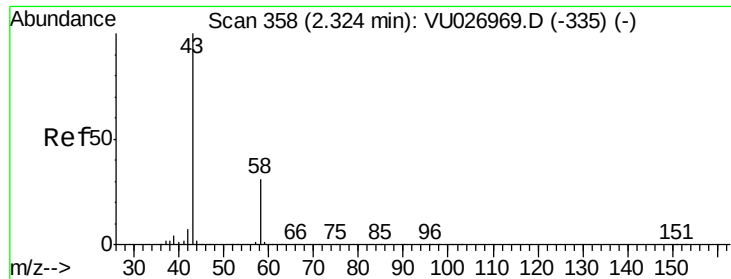


Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0





#16

Acetone

Concen: 3.112 ug/l

RT: 2.31 min Scan# 352

Delta R.T. -0.02 min

Lab File: VU027274.D

Acq: 28 Sep 2018 16:15

Instrument :

MSVOA_U

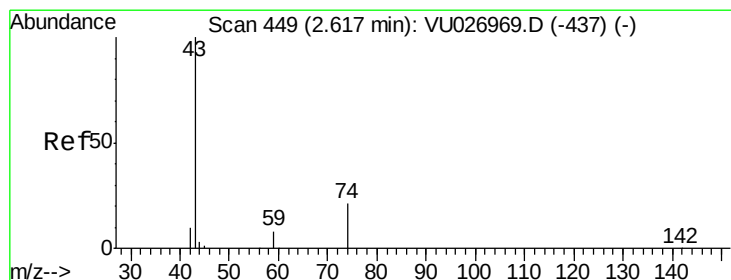
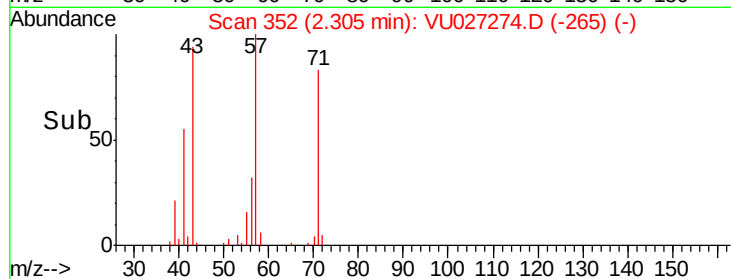
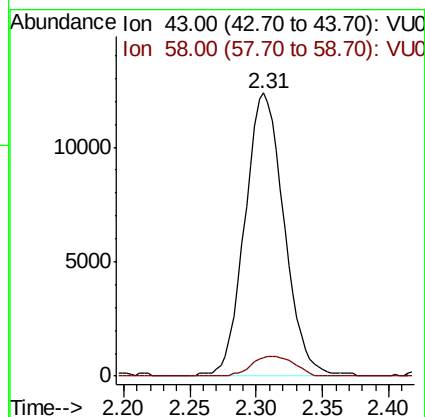
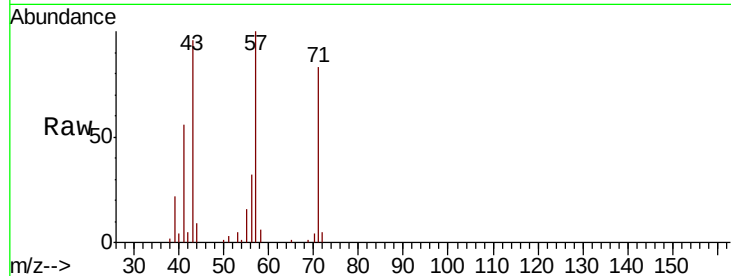
ClientSampleId :

Tot Ion: 43 Resp: 25476

Ion Ratio Lower Upper

43 100

58 6.6 24.6 36.8#



#18

Methyl Acetate

Concen: 73.947 ug/l

RT: 2.71 min Scan# 477

Delta R.T. 0.09 min

Lab File: VU027274.D

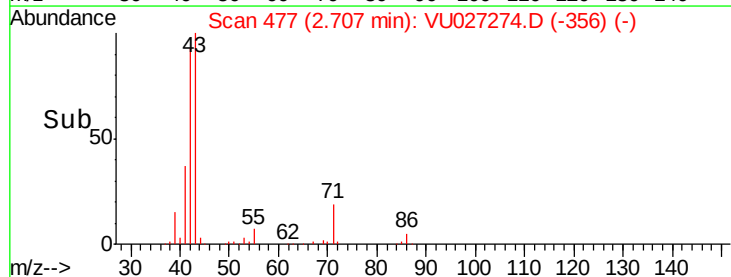
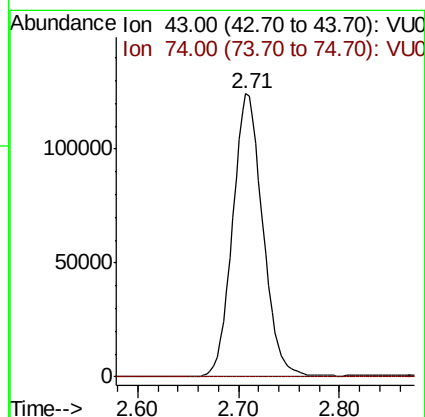
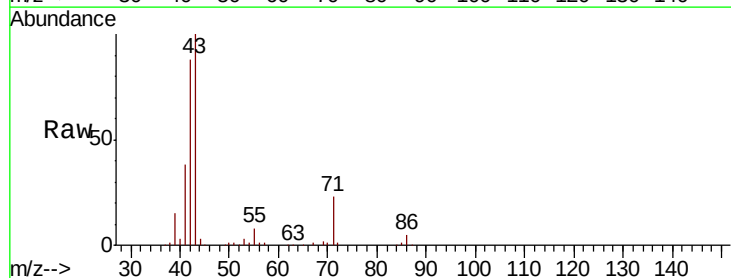
Acq: 28 Sep 2018 16:15

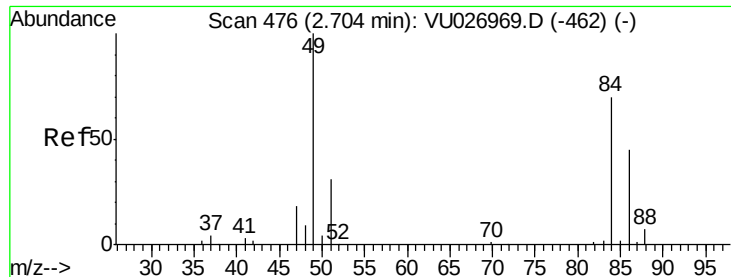
Tgt Ion: 43 Resp: 258921

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#





#20

Methylene Chloride

Concen: 0.420 ug/l

RT: 2.70 min Scan# 476

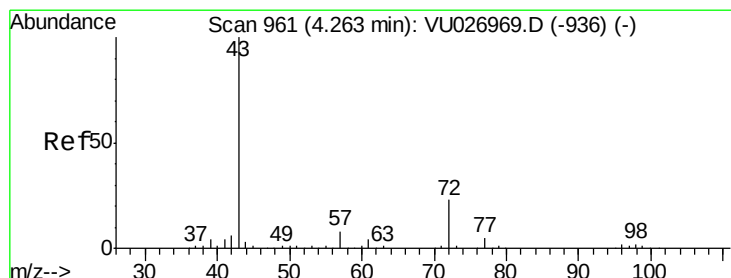
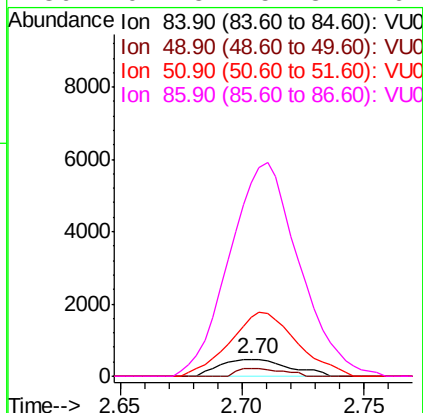
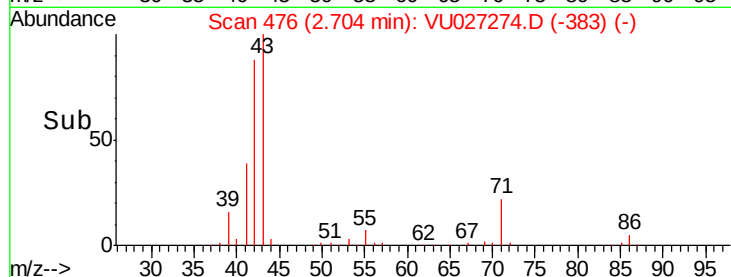
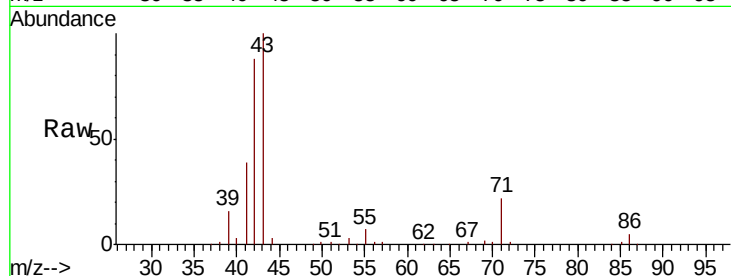
Delta R.T. 0.00 min

Lab File: VU027274.D

Acq: 28 Sep 2018 16:15

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	84	Resp:	926
Ion	Ratio	Lower	Upper
84	100		
49	43.9	114.9	172.3#
51	325.4	35.8	53.8#
86	1072.5	51.3	76.9#



#25

2-Butanone

Concen: 4.729 ug/l

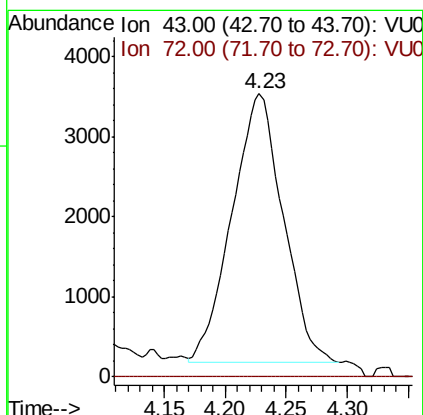
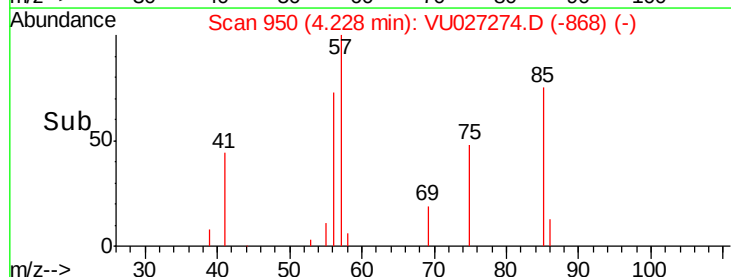
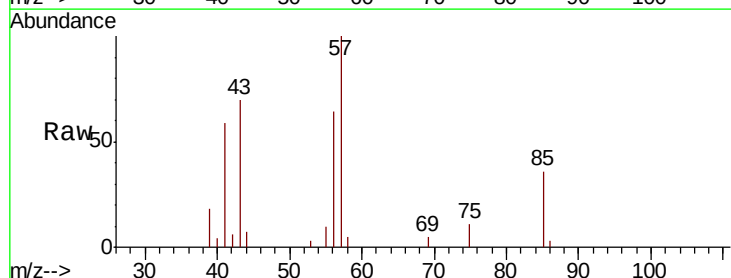
RT: 4.23 min Scan# 950

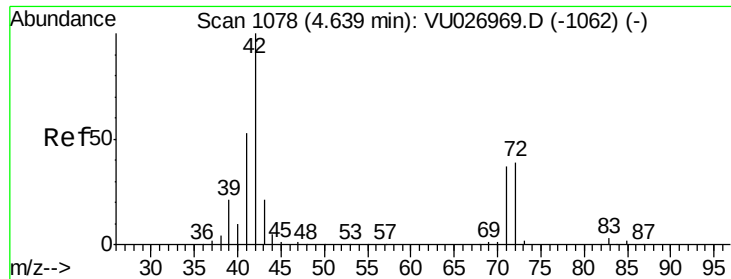
Delta R.T. -0.04 min

Lab File: VU027274.D

Acq: 28 Sep 2018 16:15

Tgt Ion:	43	Resp:	9776
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.4	27.6#

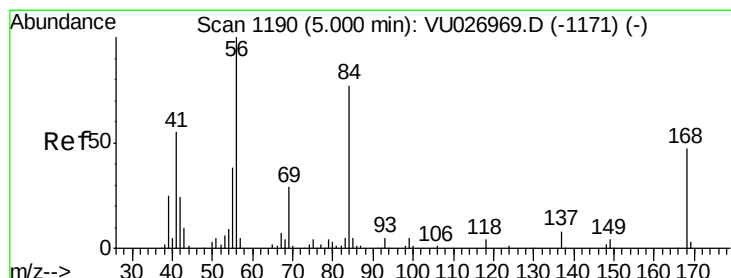
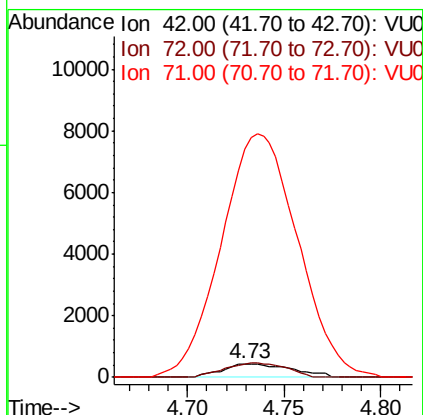
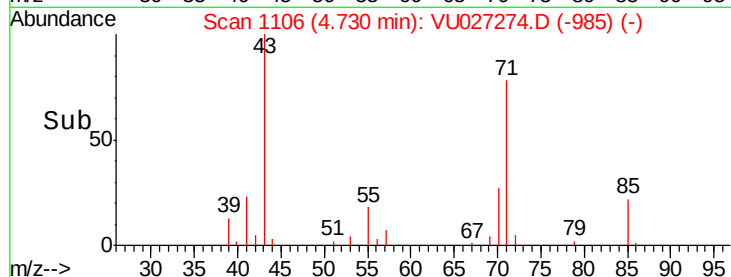
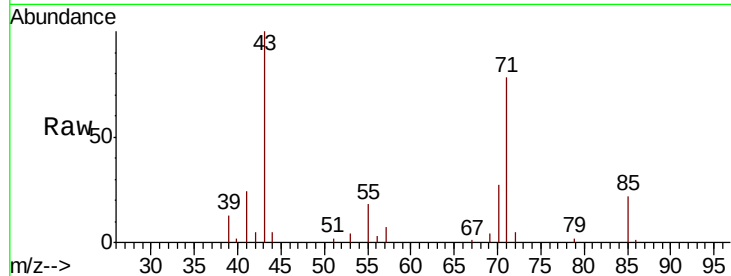




#29
Tetrahydrofuran
Concen: 0.871 ug/l
RT: 4.73 min Scan# 1106
Delta R.T. 0.09 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

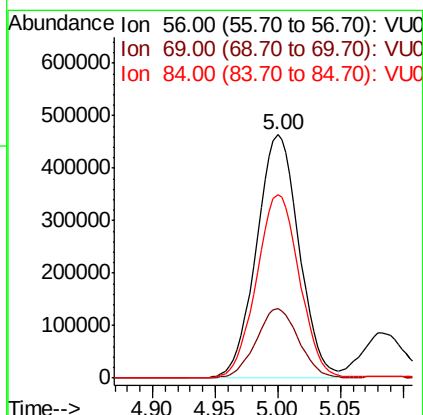
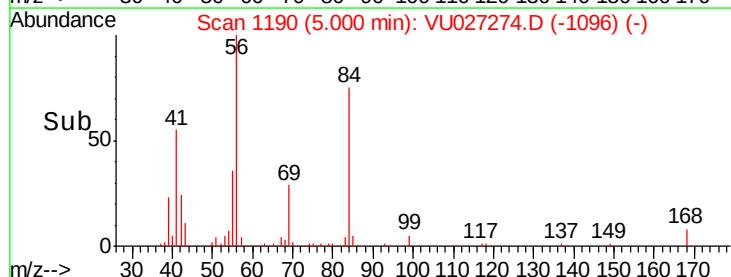
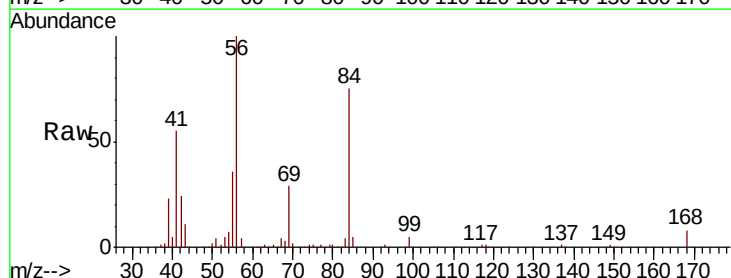
Instrument :
MSVOA_U
ClientSampled :

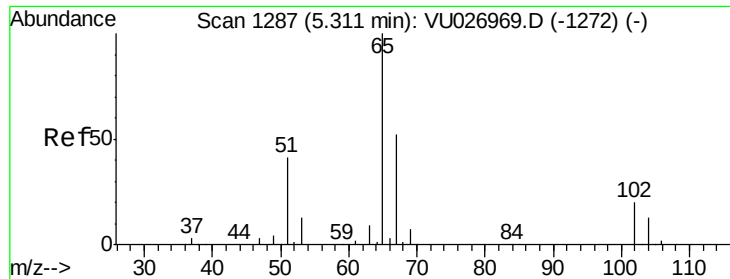
Tot Ion: 42 Resp: 1089
Ion Ratio Lower Upper
42 100
72 97.2 31.7 47.5#
71 2001.6 29.6 44.4#



#31
Cyclohexane
Concen: 302.105 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Tgt Ion: 56 Resp: 1097053
Ion Ratio Lower Upper
56 100
69 28.5 23.0 34.4
84 75.4 61.4 92.2

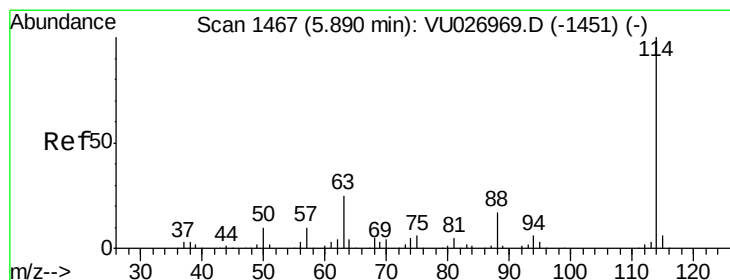
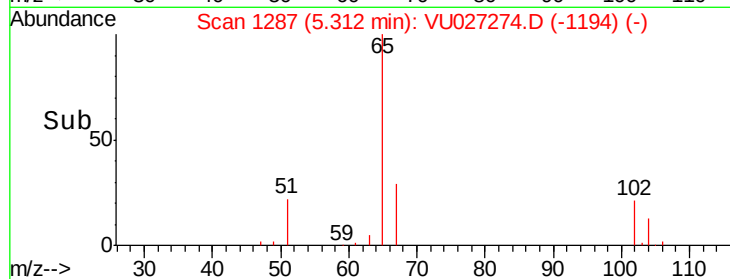
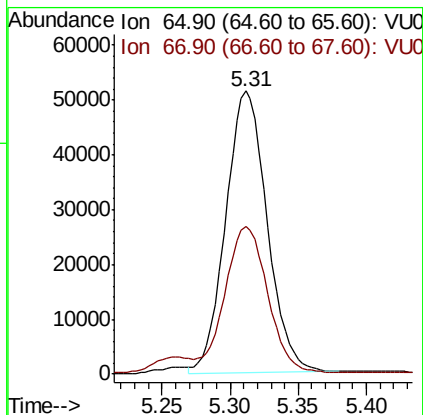
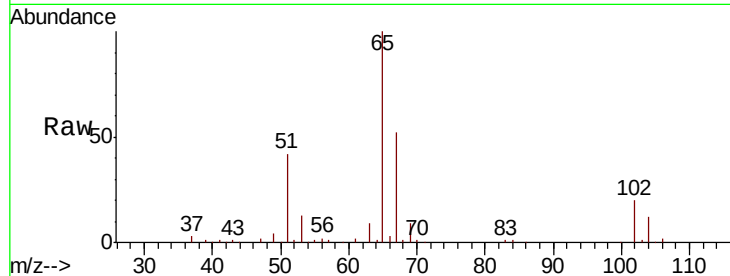




#33
 1,2-Dichloroethane-d4
 Concen: 43.912 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027274.D
 Acq: 28 Sep 2018 16:15

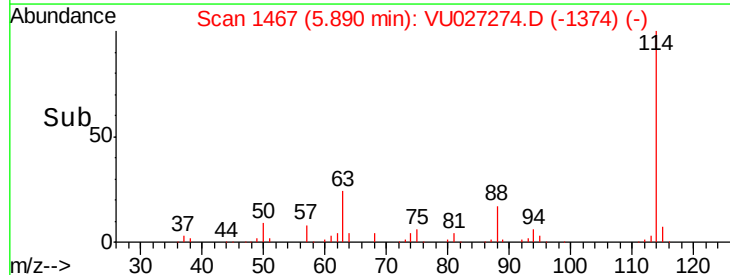
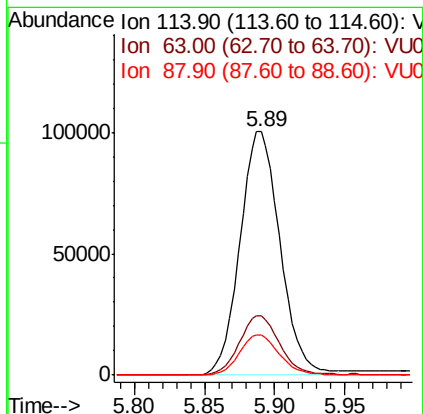
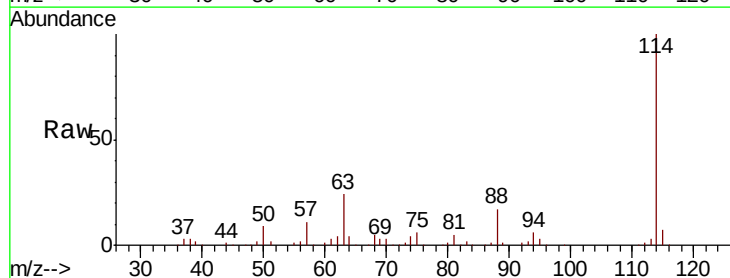
Instrument :
 MSVOA_U
 ClientSampled :

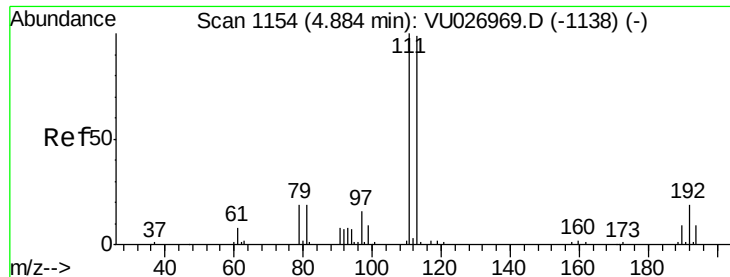
Tot Ion: 65 Resp: 108026
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027274.D
 Acq: 28 Sep 2018 16:15

Tgt Ion: 114 Resp: 199698
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 49.2
 88 16.6 0.0 33.8

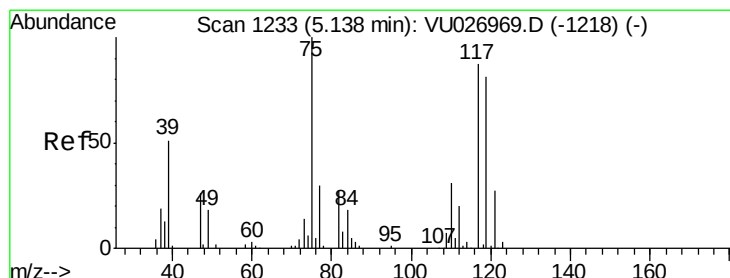
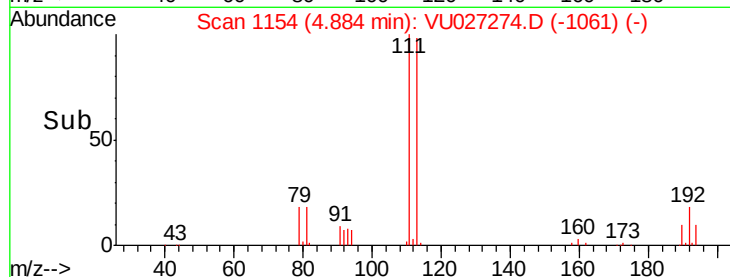
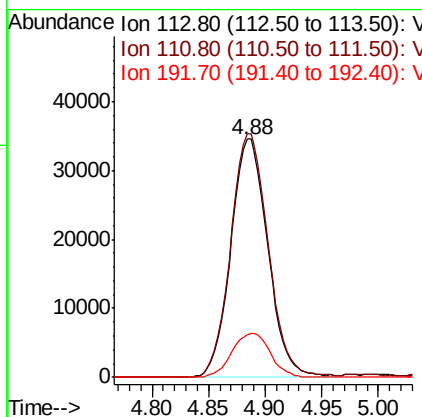
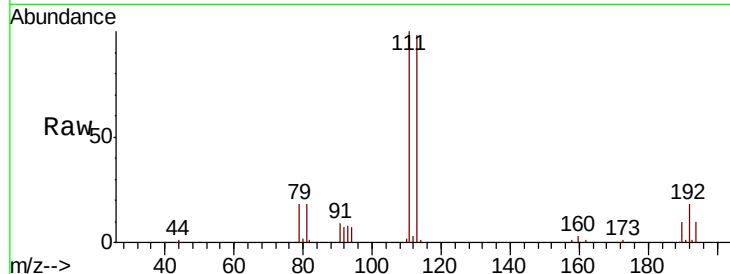




#35
 Dibromofluoromethane
 Concen: 45.614 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027274.D
 Acq: 28 Sep 2018 16:15

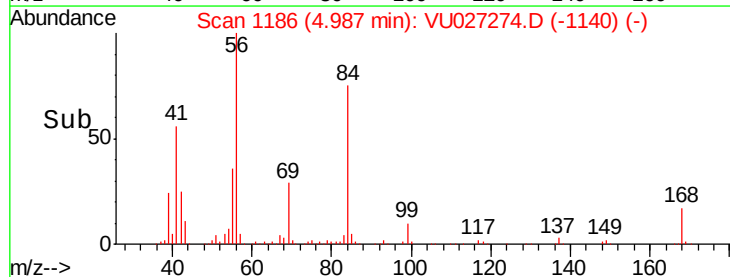
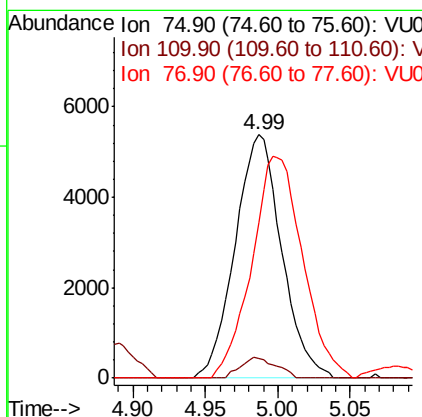
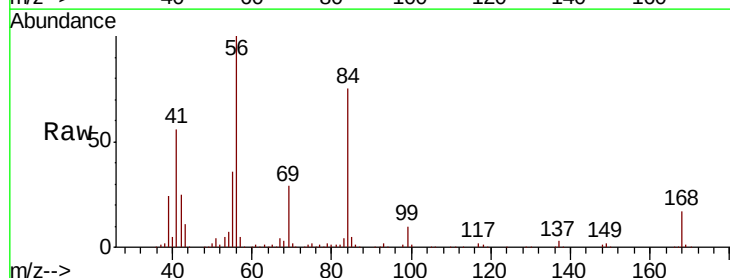
Instrument :
 MSVOA_U
 ClientSampleId :

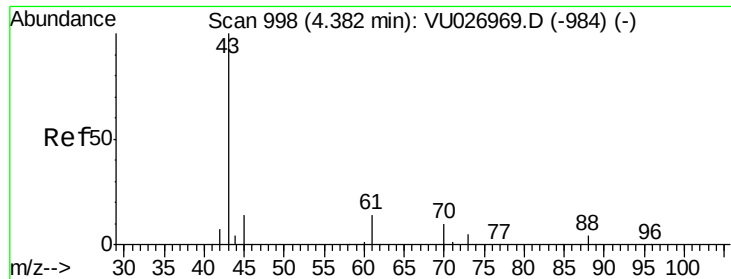
Tot Ion:113 Resp: 78957
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.2 123.4
 192 19.1 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 4.499 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027274.D
 Acq: 28 Sep 2018 16:15

Tgt Ion: 75 Resp: 11991
 Ion Ratio Lower Upper
 75 100
 110 6.5 16.1 48.2#
 77 99.4 24.6 36.8#

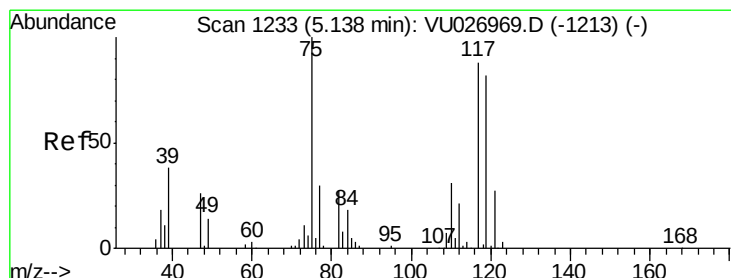
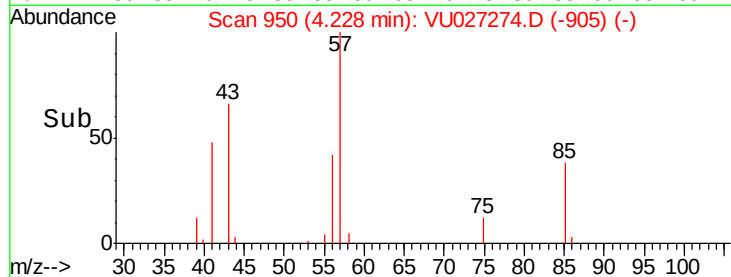
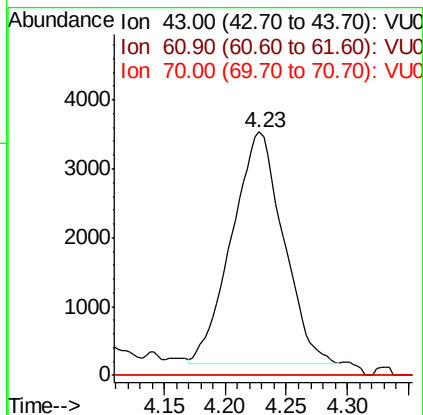
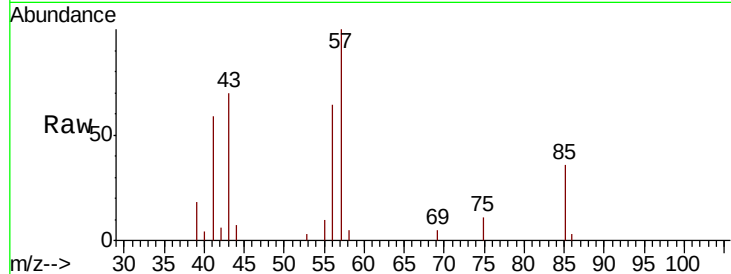




#37
Ethyl Acetate
Concen: 2.710 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.15 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

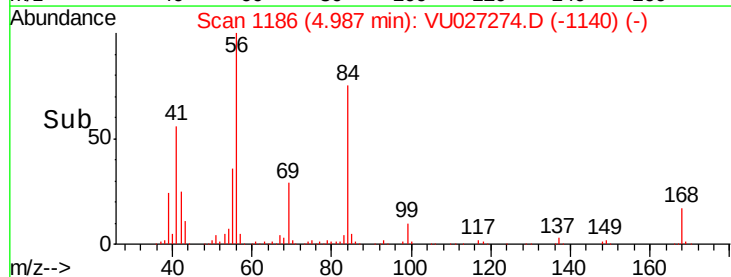
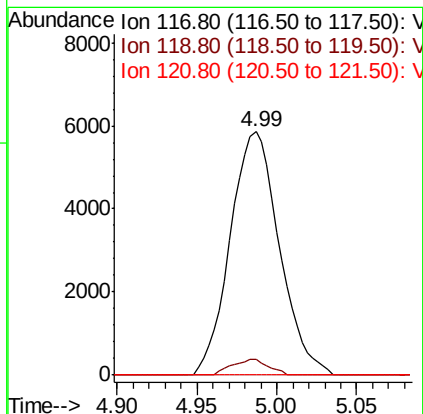
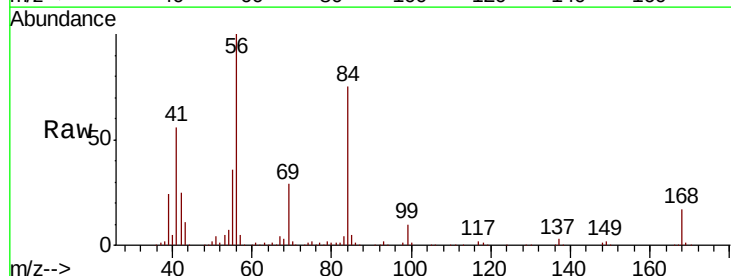
Instrument :
MSVOA_U
ClientSampleId :

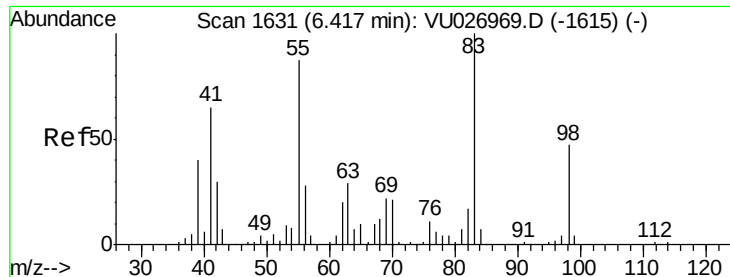
Tot Ion: 43 Resp: 9776
Ion Ratio Lower Upper
43 100
61 0.0 10.5 15.7#
70 0.0 7.4 11.0#



#38
Carbon Tetrachloride
Concen: 4.847 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Tgt Ion: 117 Resp: 12293
Ion Ratio Lower Upper
117 100
119 6.4 74.4 111.6#
121 0.0 24.2 36.4#

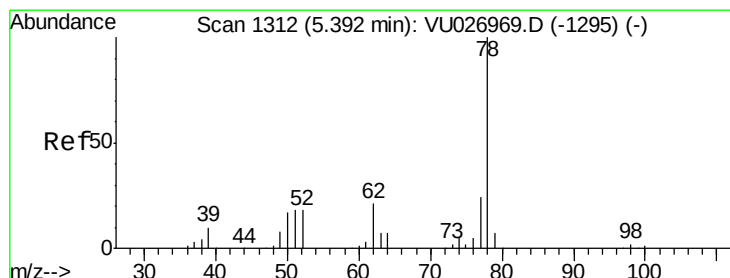
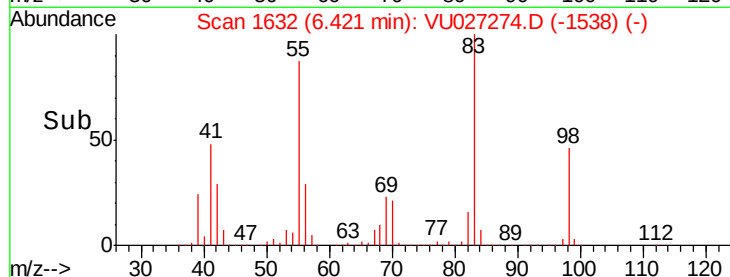
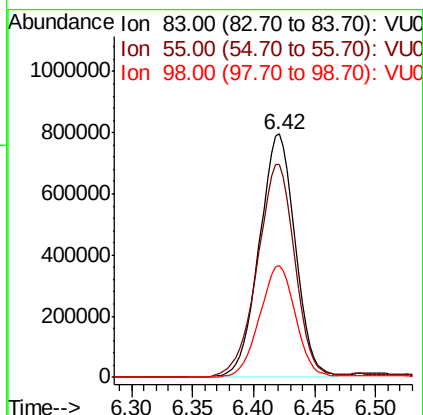
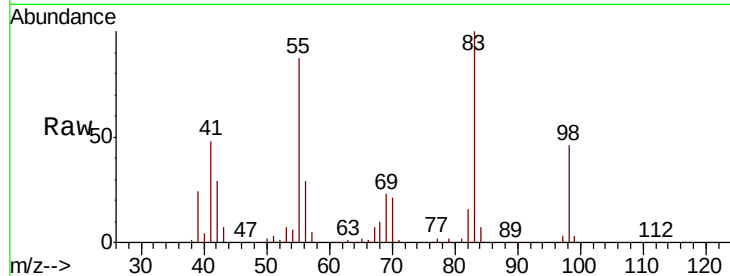




#39
Methylcyclohexane
Concen: 564.854 ug/l
RT: 6.42 min Scan# 1632
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

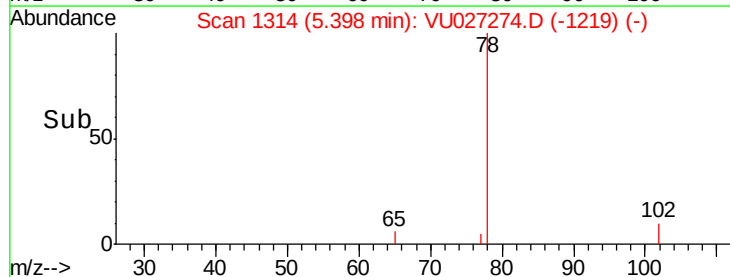
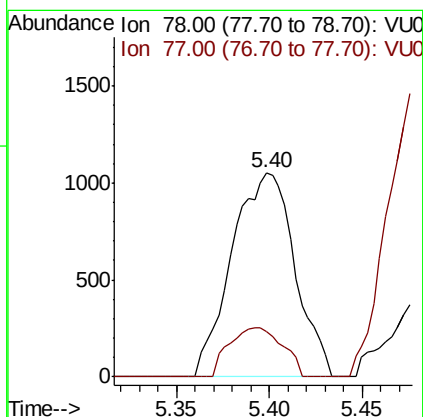
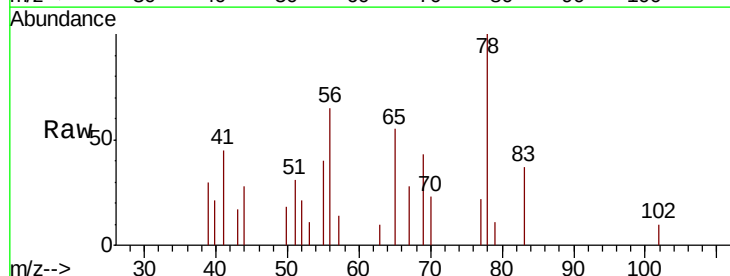
Instrument :
MSVOA_U
ClientSampleId :

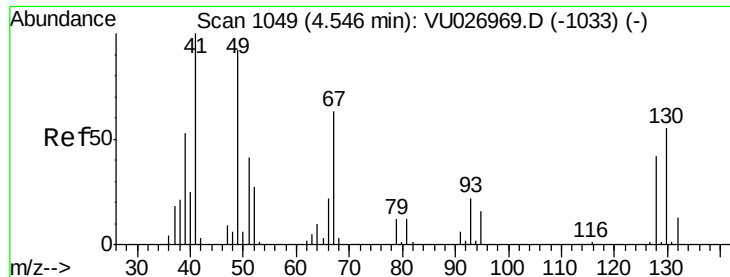
Tot Ion: 83 Resp: 1635998
Ion Ratio Lower Upper
83 100
55 87.4 69.9 104.9
98 45.7 37.5 56.3



#40
Benzene
Concen: 0.306 ug/l
RT: 5.40 min Scan# 1314
Delta R.T. 0.01 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Tgt Ion: 78 Resp: 2483
Ion Ratio Lower Upper
78 100
77 22.4 19.4 29.0

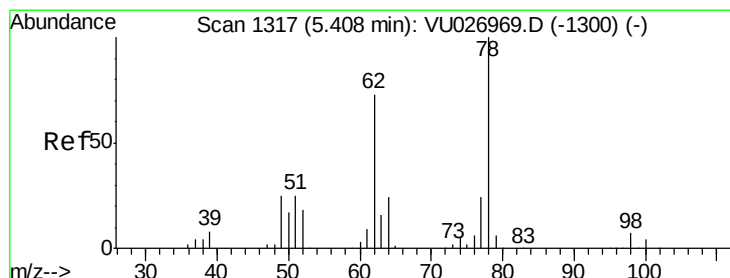
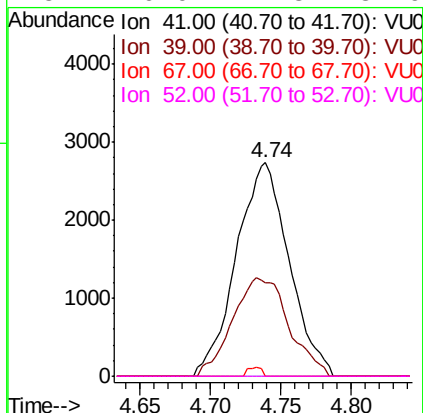
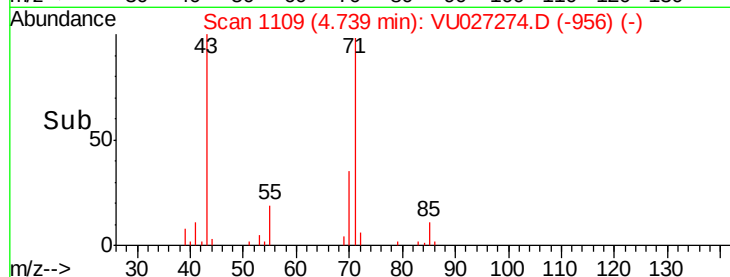
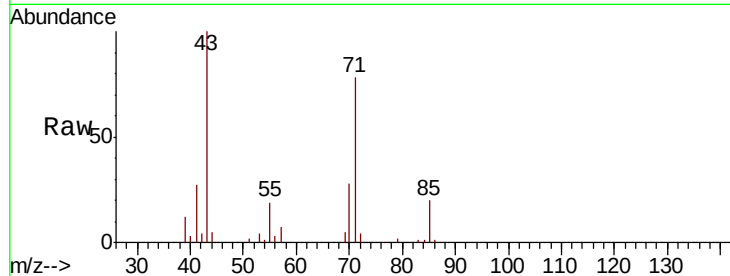




#41
Methacrylonitrile
Concen: 3.813 ug/l
RT: 4.74 min Scan# 1109
Delta R.T. 0.19 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

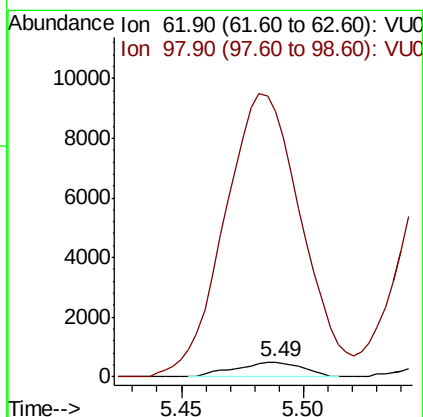
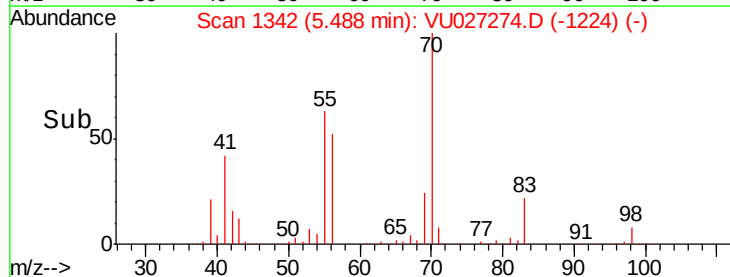
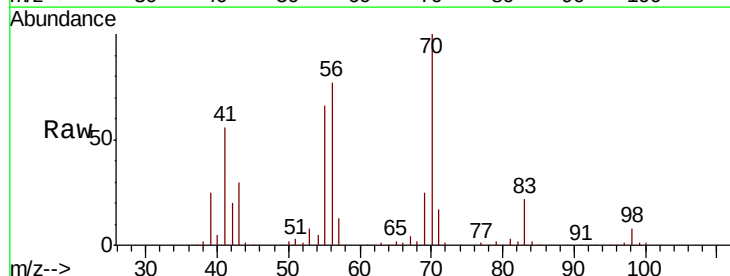
Instrument :
MSVOA_U
ClientSampleId :

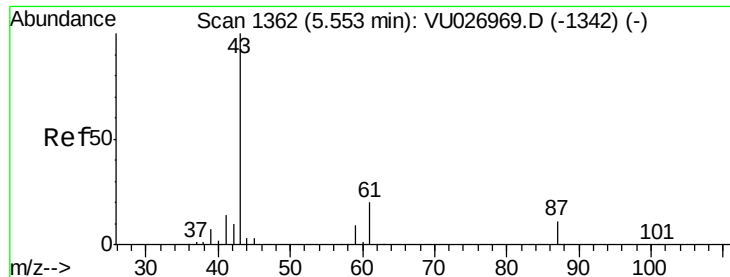
Tot Ion: 41 Resp: 7144
Ion Ratio Lower Upper
41 100
39 49.2 42.9 64.3
67 1.1 52.4 78.6#
52 0.0 21.3 31.9#



#42
1,2-Dichloroethane
Concen: 0.311 ug/l
RT: 5.49 min Scan# 1342
Delta R.T. 0.08 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Tgt Ion: 62 Resp: 952
Ion Ratio Lower Upper
62 100
98 2175.5 0.0 17.0#





#43

Isopropyl Acetate

Concen: 7.547 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.01 min

Lab File: VU027274.D

Acq: 28 Sep 2018 16:15

Instrument :

MSVOA_U

ClientSampled :

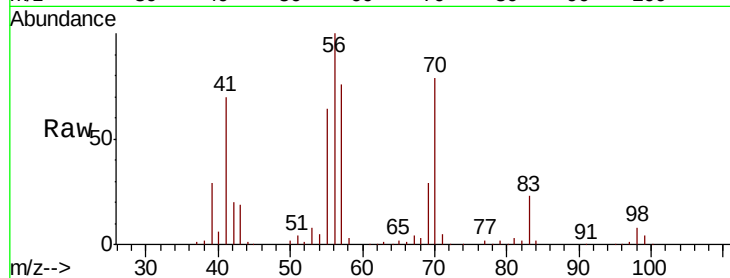
Tot Ion: 43 Resp: 39711

Ion Ratio Lower Upper

43 100

61 0.6 15.7 23.5#

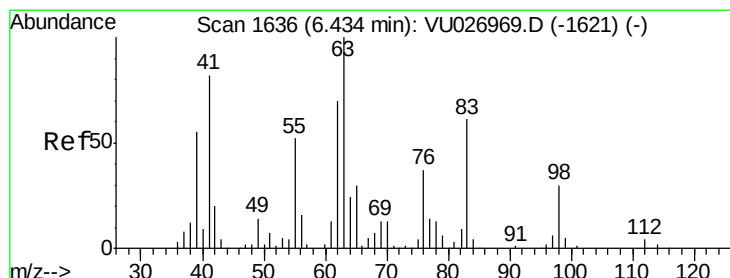
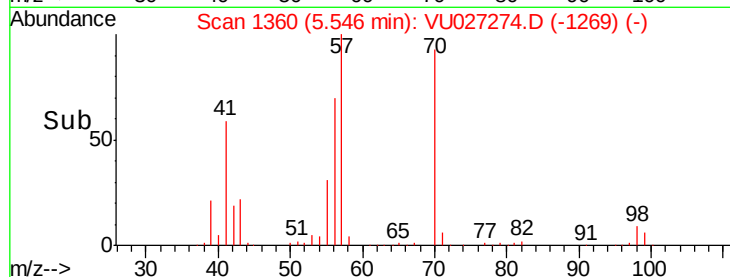
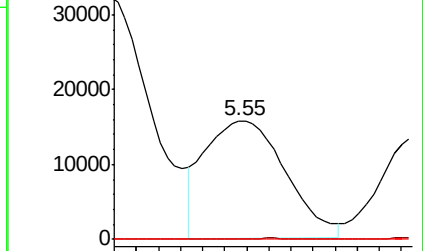
87 0.0 9.0 13.4#



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU026969.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU026969.D (-1342) (-)



#45

1,2-Dichloropropane

Concen: 6.252 ug/l

RT: 6.42 min Scan# 1631

Delta R.T. -0.02 min

Lab File: VU027274.D

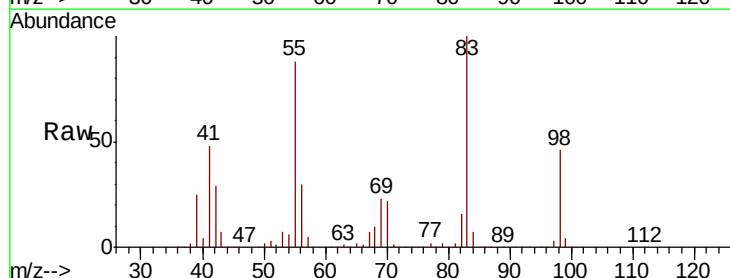
Acq: 28 Sep 2018 16:15

Tgt Ion: 63 Resp: 14433

Ion Ratio Lower Upper

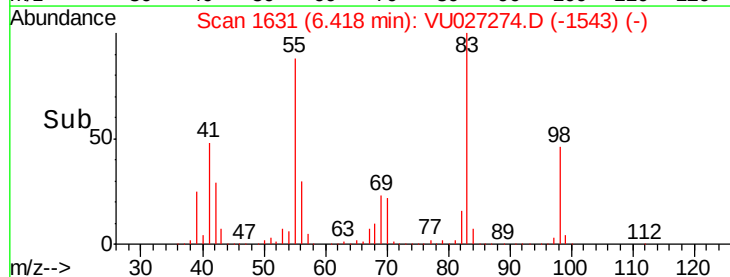
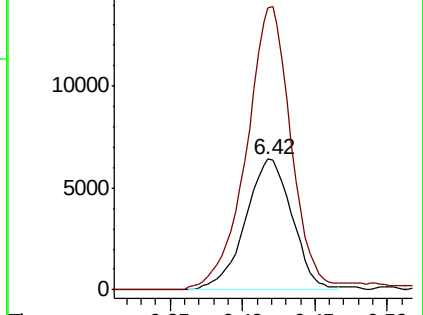
63 100

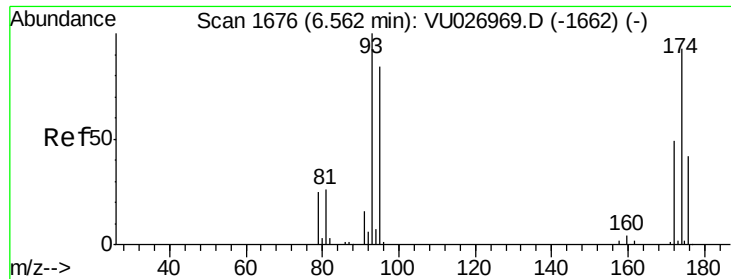
65 214.1 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VU026969.D (-1621) (-)

Ion 64.90 (64.60 to 65.60): VU026969.D (-1621) (-)

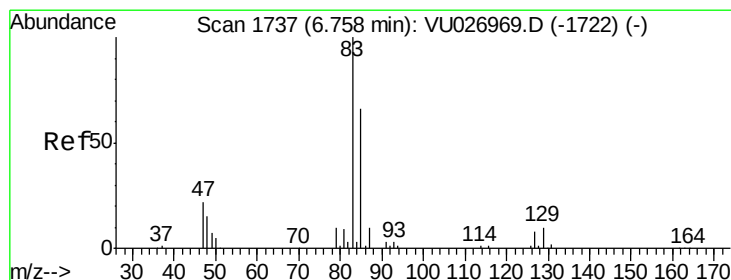
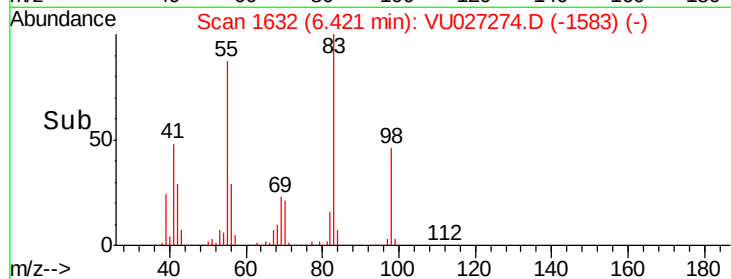
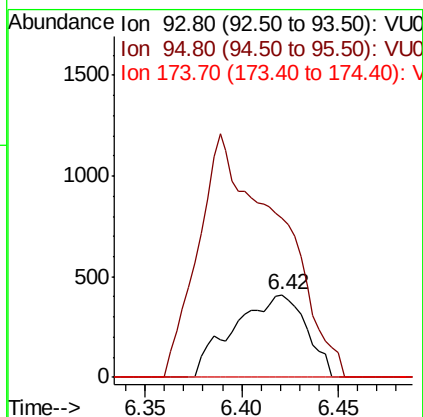
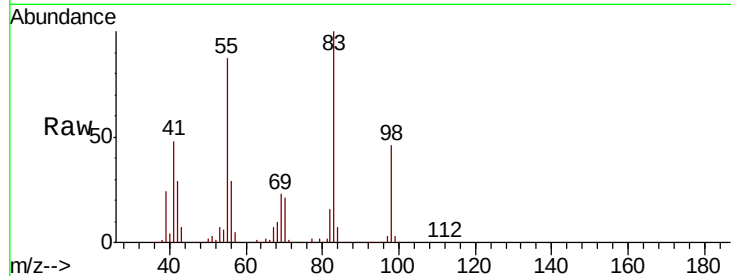




#46
Dibromomethane
Concen: 0.762 ug/l
RT: 6.42 min Scan# 1632
Delta R.T. -0.14 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

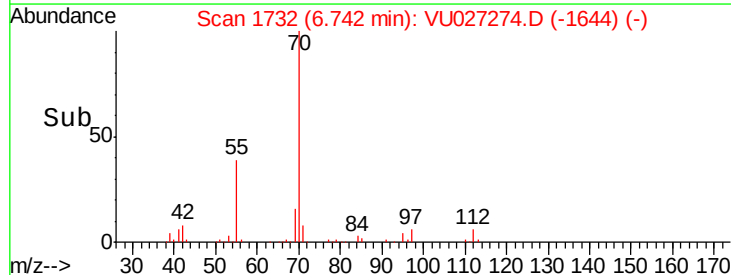
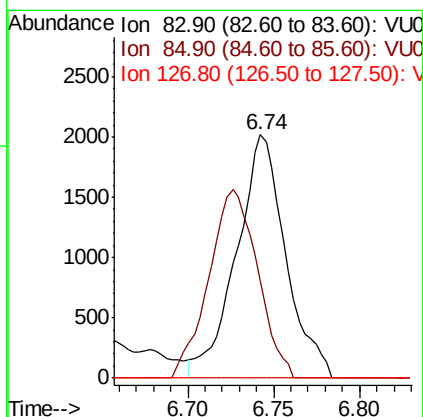
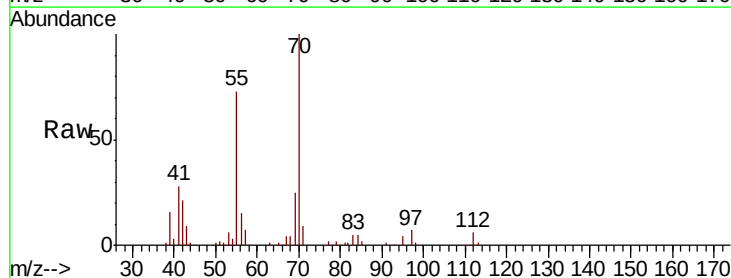
Instrument :
MSVOA_U
ClientSampleId :

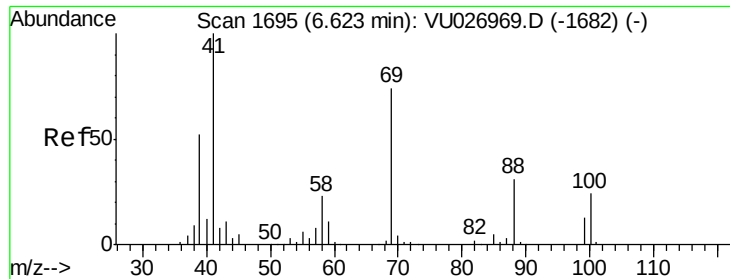
Tot Ion: 93 Resp: 1062
Ion Ratio Lower Upper
93 100
95 0.0 66.2 99.4#
174 0.0 71.7 107.5#



#47
Bromodichloromethane
Concen: 1.419 ug/l
RT: 6.74 min Scan# 1732
Delta R.T. -0.02 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Tgt Ion: 83 Resp: 4000
Ion Ratio Lower Upper
83 100
85 40.3 52.5 78.7#
127 0.0 6.3 9.5#

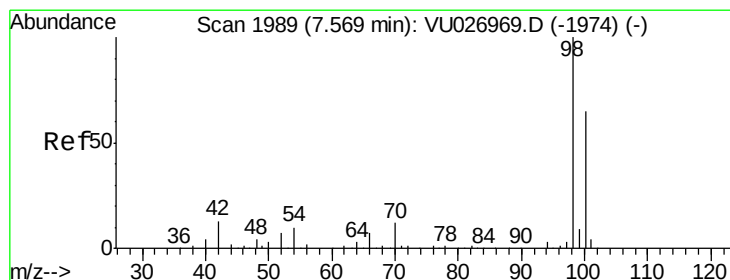
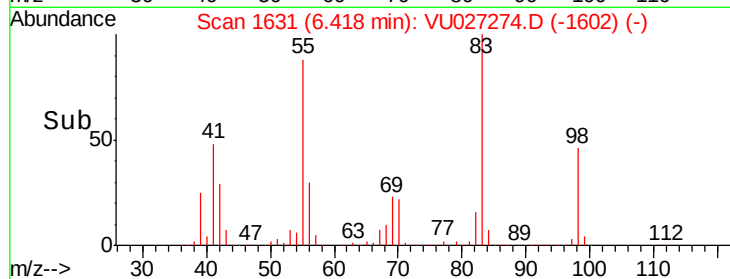
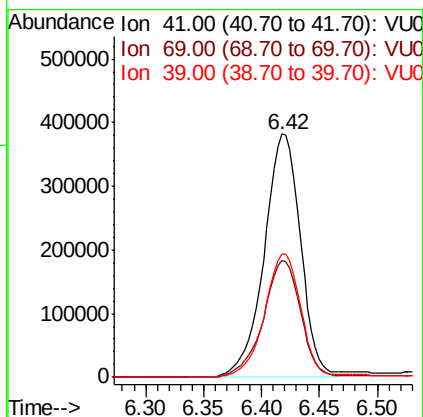
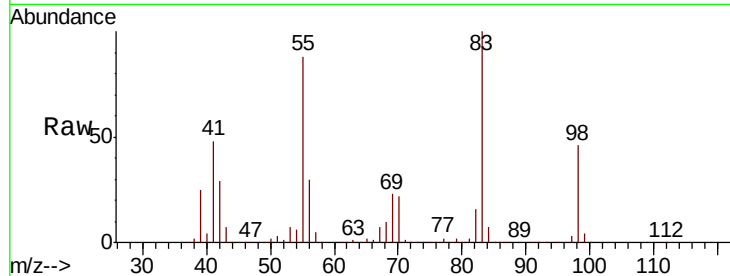




#48
Methvl methacrylate
Concen: 285.827 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.21 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

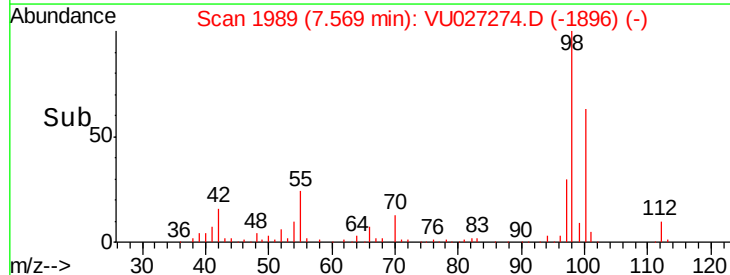
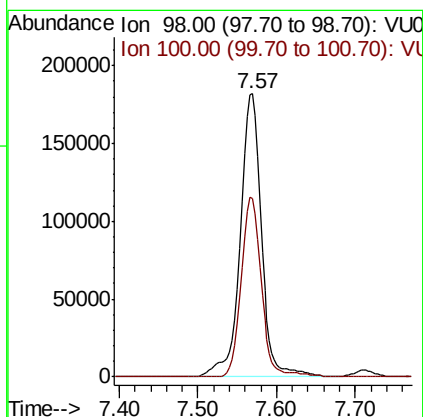
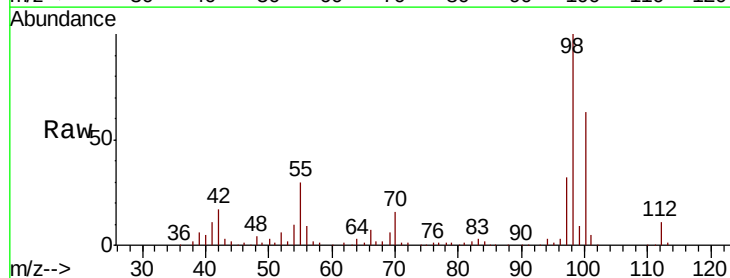
Instrument :
MSVOA_U
ClientSampled :

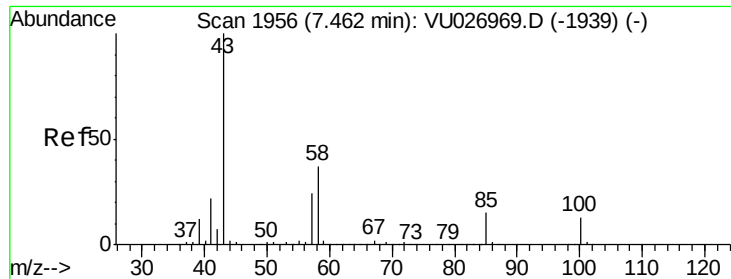
Tot Ion: 41 Resp: 832523
Ion Ratio Lower Upper
41 100
69 49.4 60.6 90.8#
39 50.8 42.8 64.2



#50
Toluene-d8
Concen: 52.222 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Tgt Ion: 98 Resp: 344502
Ion Ratio Lower Upper
98 100
100 60.3 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 6.183 ug/l

RT: 7.53 min Scan# 1977

Delta R.T. 0.07 min

Lab File: VU027274.D

Acq: 28 Sep 2018 16:15

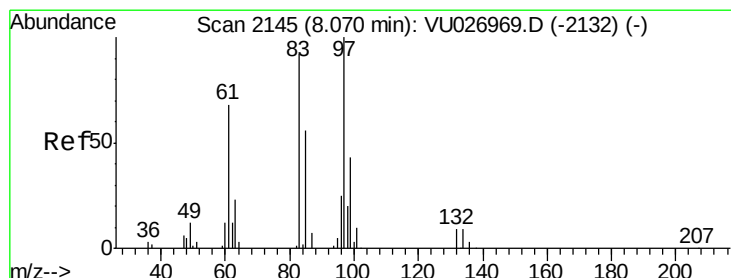
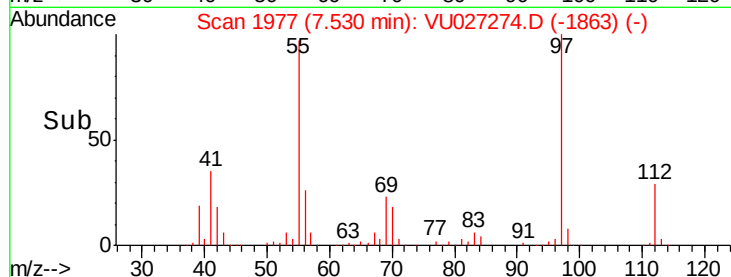
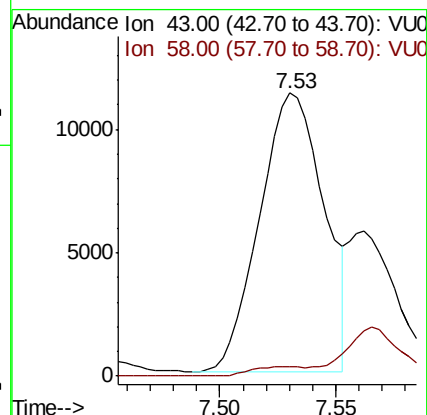
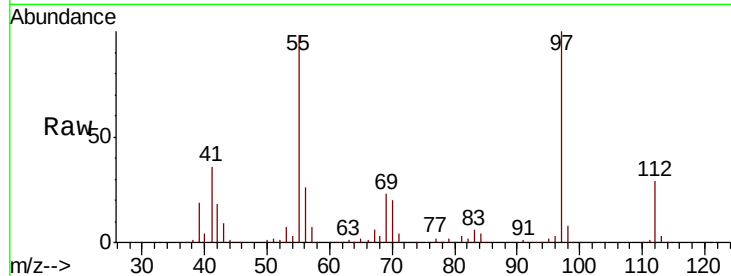
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 21881

Ion Ratio Lower Upper

43 100

58 2.7 29.8 44.6#



#55

1,1,2-Trichloroethane

Concen: 42.138 ug/l

RT: 8.05 min Scan# 2138

Delta R.T. -0.02 min

Lab File: VU027274.D

Acq: 28 Sep 2018 16:15

Tgt Ion: 97 Resp: 82921

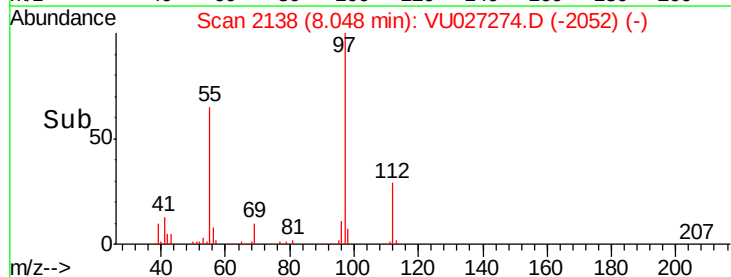
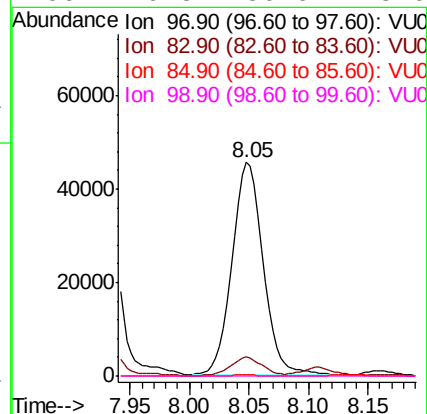
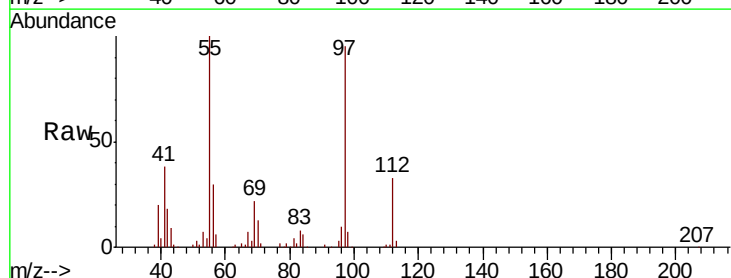
Ion Ratio Lower Upper

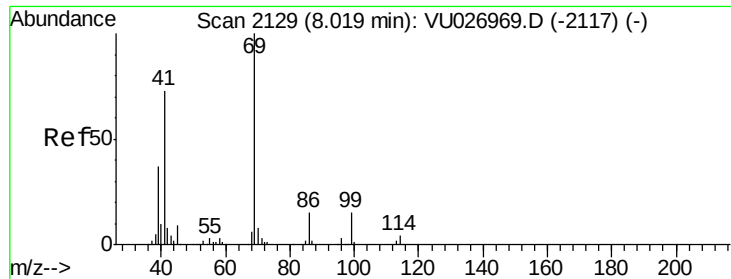
97 100

83 8.8 73.1 109.7#

85 0.5 46.7 70.1#

99 0.3 50.0 75.0#

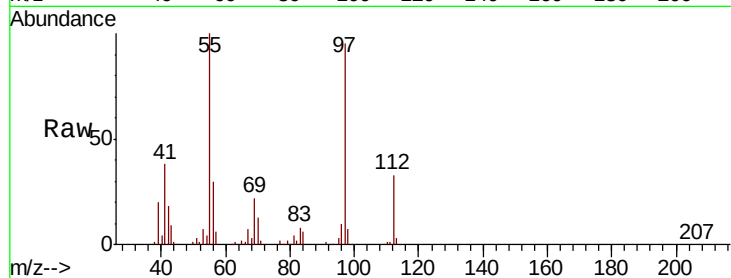




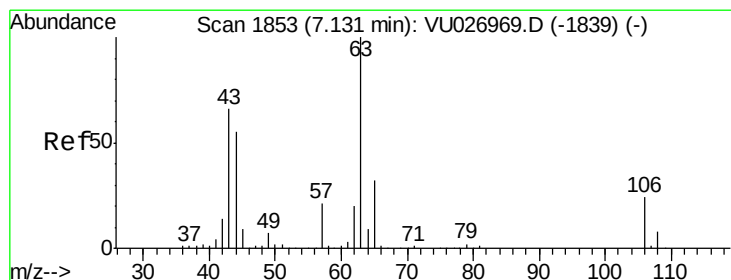
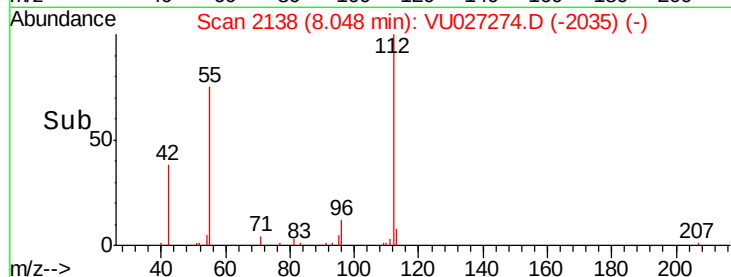
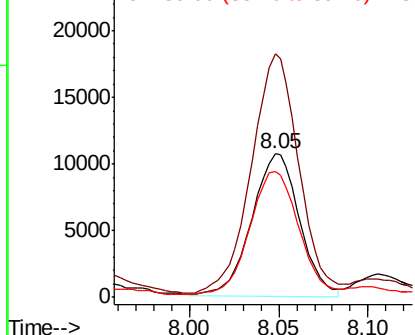
#56
Ethyl methacrylate
Concen: 7.796 ug/l
RT: 8.05 min Scan# 2138
Delta R.T. 0.03 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 69 Resp: 20007
Ion Ratio Lower Upper
69 100
41 165.5 59.0 88.4#
39 86.8 30.2 45.4#

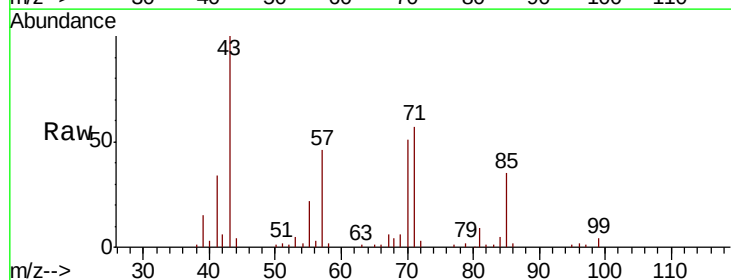


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

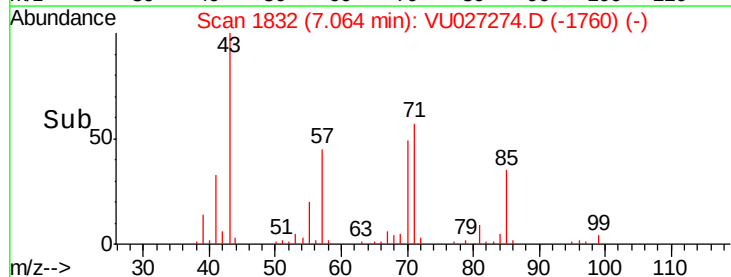
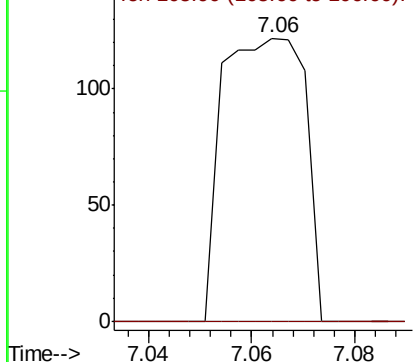


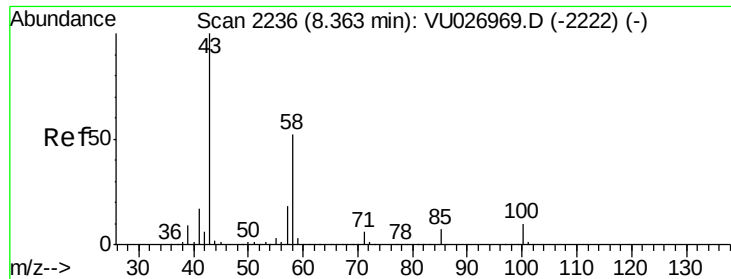
#58
2-Chloroethyl Vinyl ether
Concen: 4.929 ug/l
RT: 7.06 min Scan# 1832
Delta R.T. -0.07 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Tgt Ion: 63 Resp: 134
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

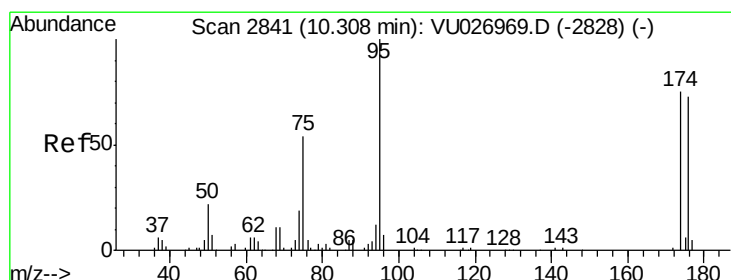
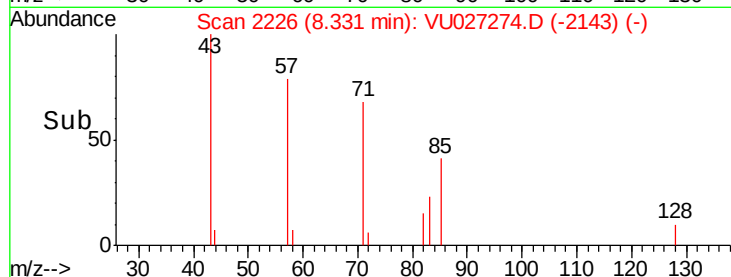
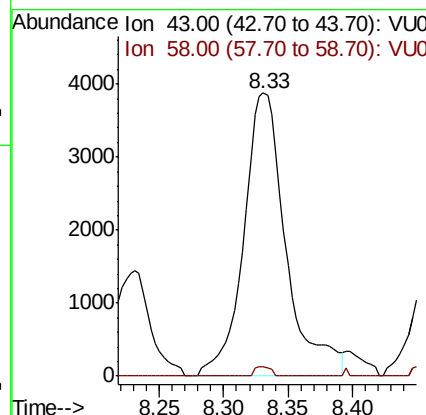
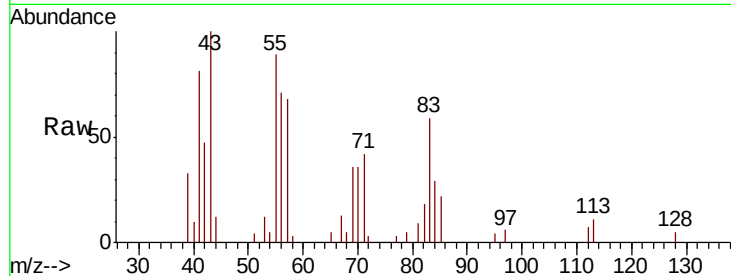




#59
2-Hexanone
Concen: 3.202 ug/l
RT: 8.33 min Scan# 2226
Delta R.T. -0.03 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

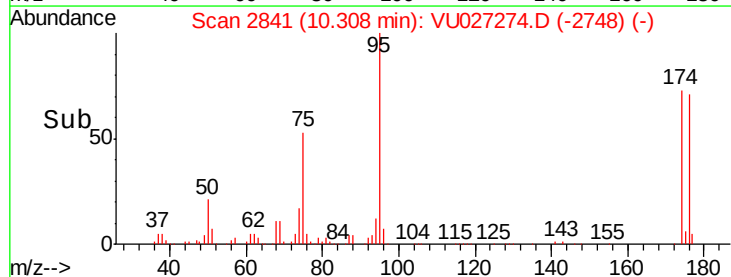
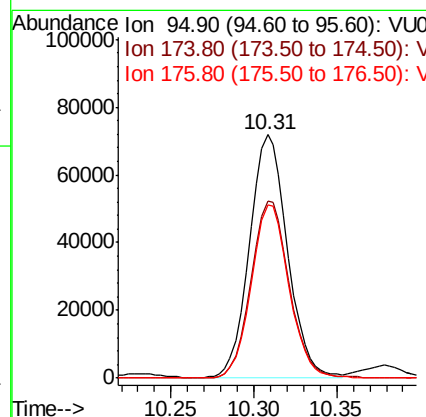
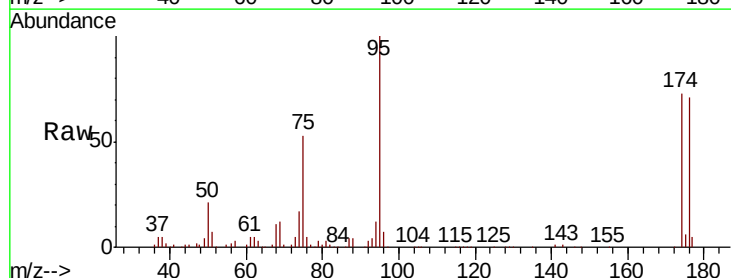
Instrument :
MSVOA_U
ClientSampleId :

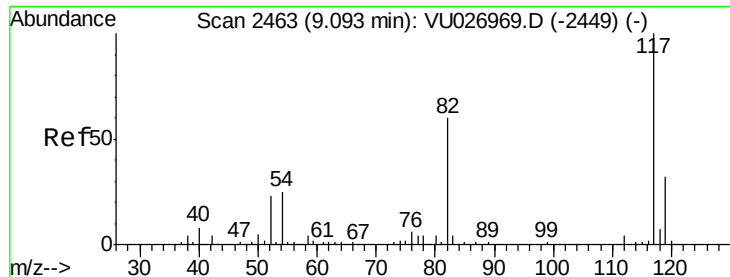
Tot Ion: 43 Resp: 8869
Ion Ratio Lower Upper
43 100
58 1.3 26.1 78.2#



#62
4-Bromofluorobenzene
Concen: 50.229 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Tgt Ion: 95 Resp: 113698
Ion Ratio Lower Upper
95 100
174 73.9 0.0 150.2
176 71.2 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: VU027274.D

Acq: 28 Sep 2018 16:15

Instrument :

MSVOA_U

ClientSampleId :

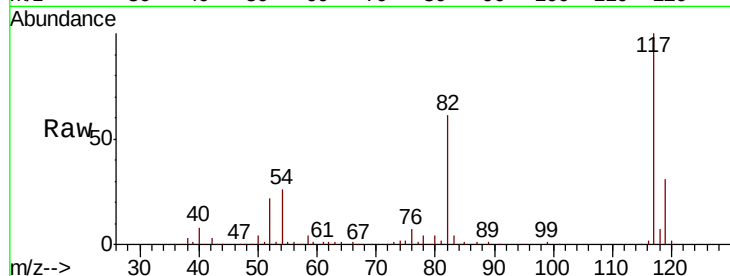
Tot Ion:117 Resp: 193001

Ion Ratio Lower Upper

117 100

82 60.8 48.0 72.0

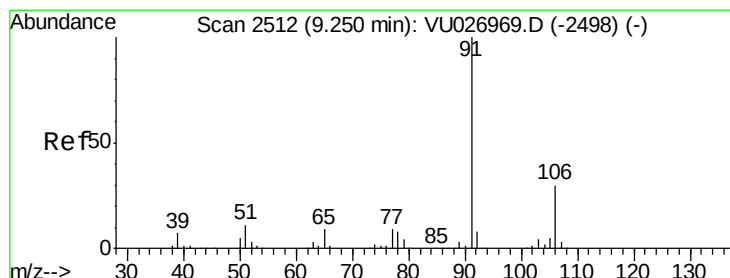
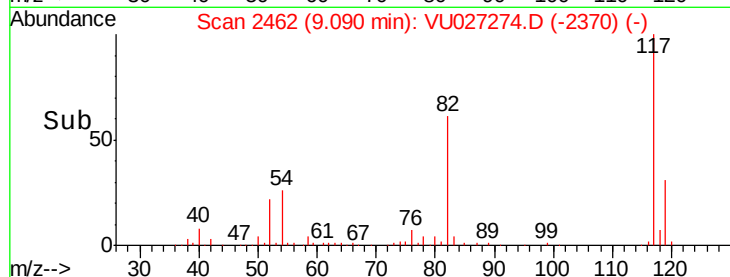
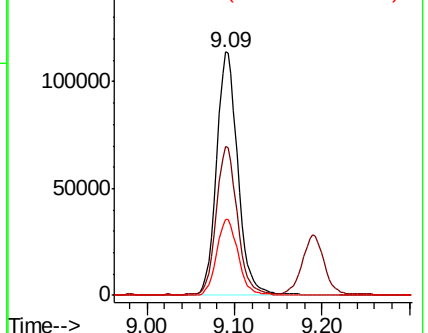
119 31.1 25.8 38.8



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: 0.325 ug/l

RT: 9.26 min Scan# 2514

Delta R.T. 0.01 min

Lab File: VU027274.D

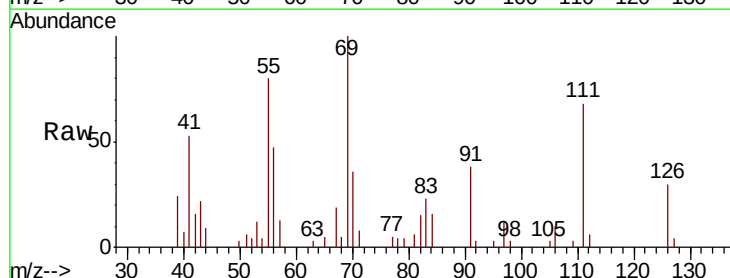
Acq: 28 Sep 2018 16:15

Tgt Ion: 91 Resp: 2735

Ion Ratio Lower Upper

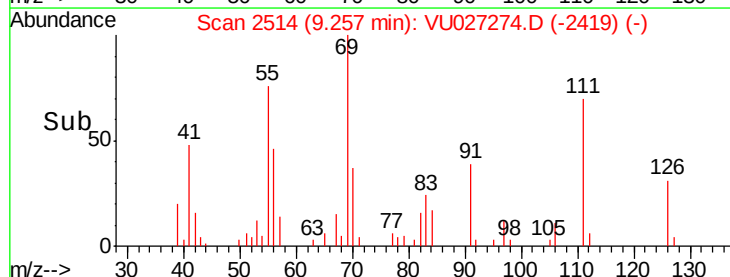
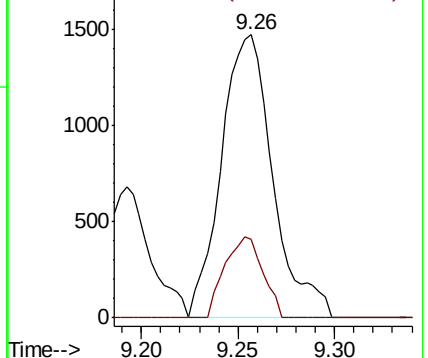
91 100

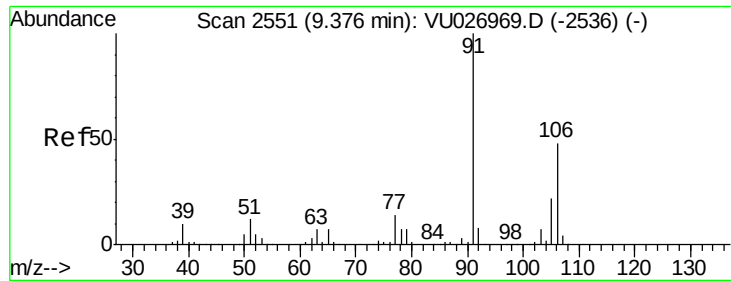
106 27.6 23.8 35.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xvlenes

Concen: 1.667 ug/l

RT: 9.25 min Scan# 2513

Delta R.T. -0.12 min

Lab File: VU027274.D

Acq: 28 Sep 2018 16:15

Instrument :

MSVOA_U

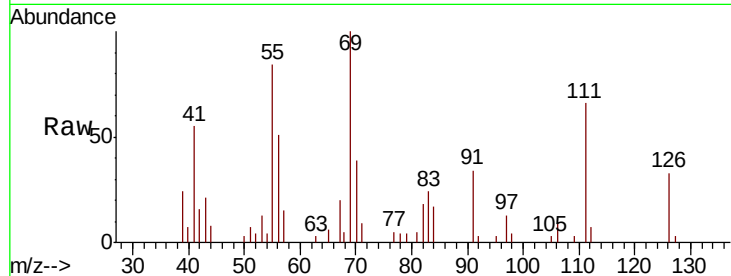
ClientSampleId :

Tot Ion:106 Resp: 577

Ion Ratio Lower Upper

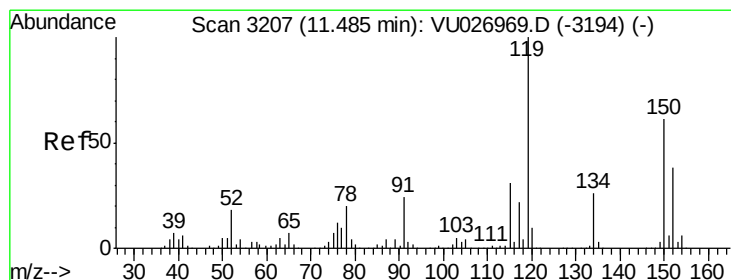
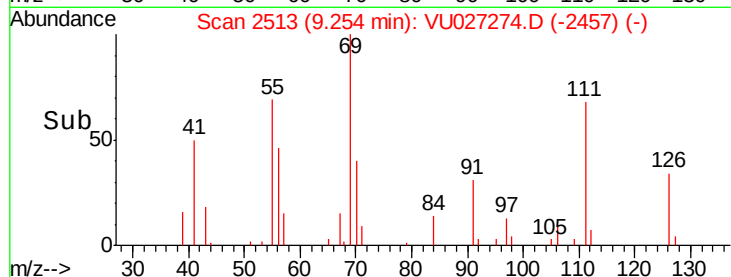
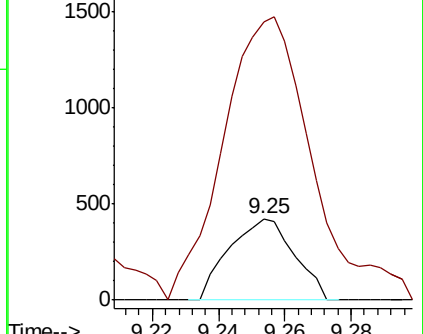
106 100

91 474.0 166.5 249.7#



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: VU027274.D

Acq: 28 Sep 2018 16:15

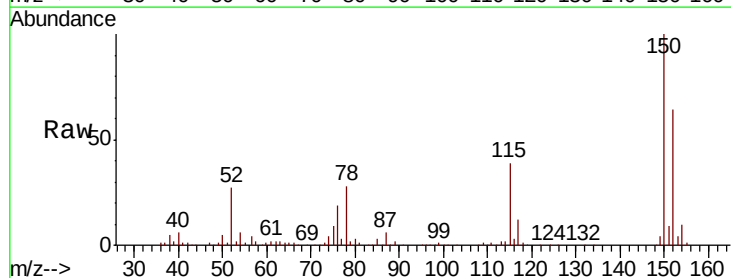
Tgt Ion:152 Resp: 100467

Ion Ratio Lower Upper

152 100

115 61.2 44.9 134.5

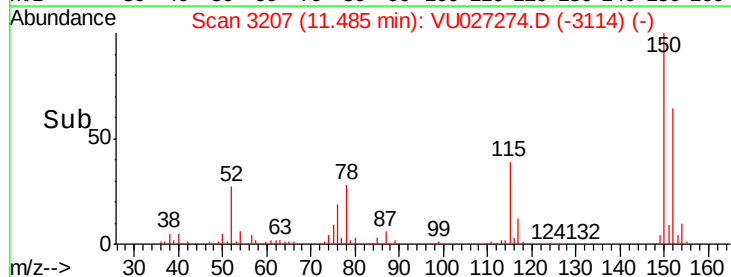
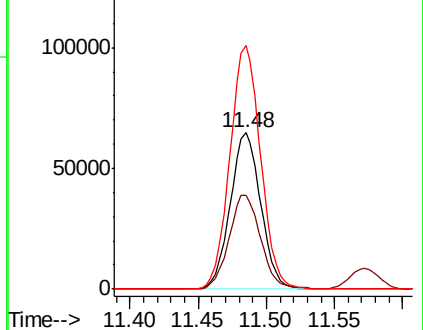
150 156.7 0.0 355.8

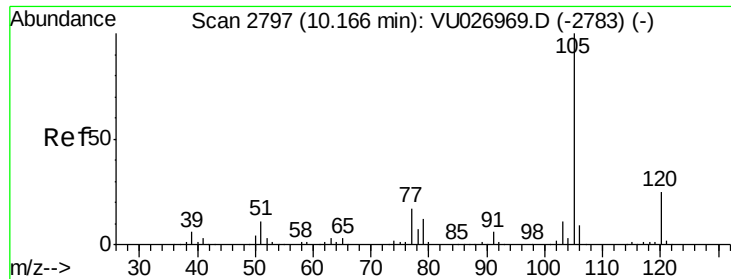


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 32.777 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027274.D

Acq: 28 Sep 2018 16:15

Instrument :

MSVOA_U

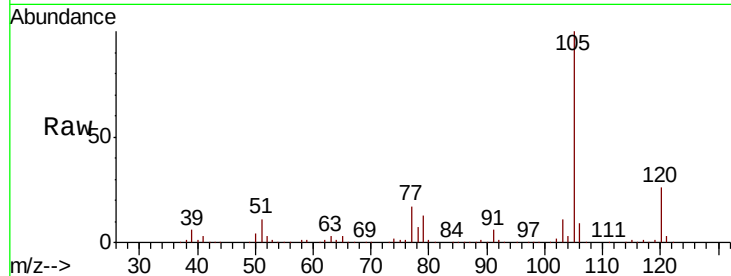
ClientSampleId :

Tot Ion:105 Resp: 250493

Ion Ratio Lower Upper

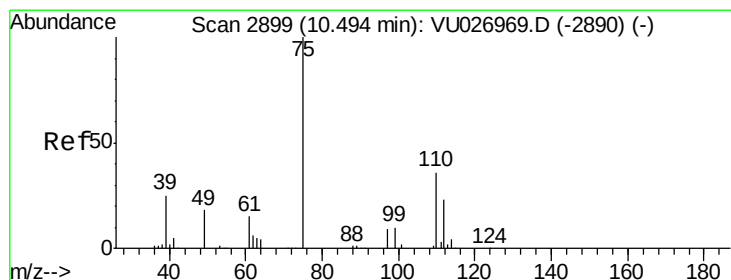
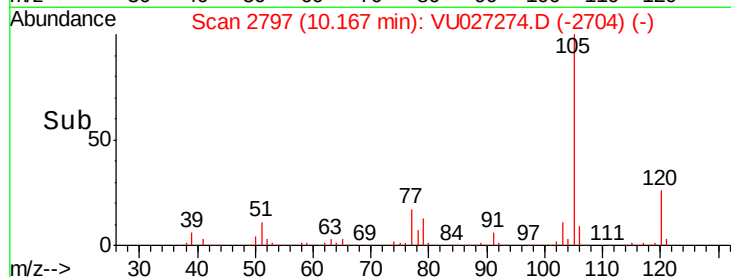
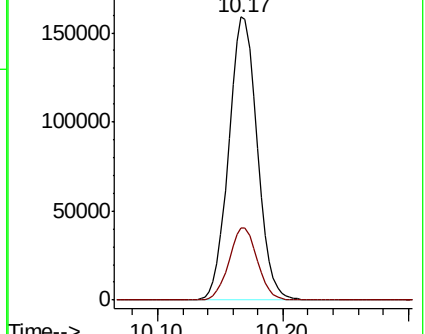
105 100

120 25.4 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 19.652 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027274.D

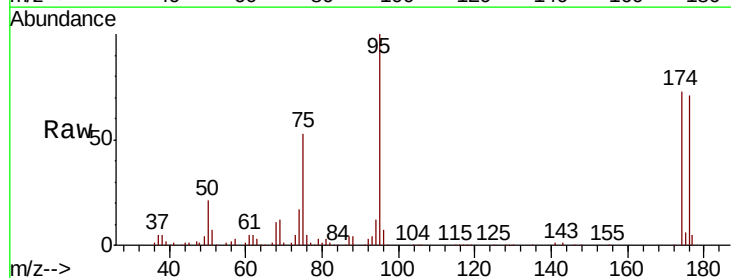
Acq: 28 Sep 2018 16:15

Tgt Ion: 75 Resp: 59982

Ion Ratio Lower Upper

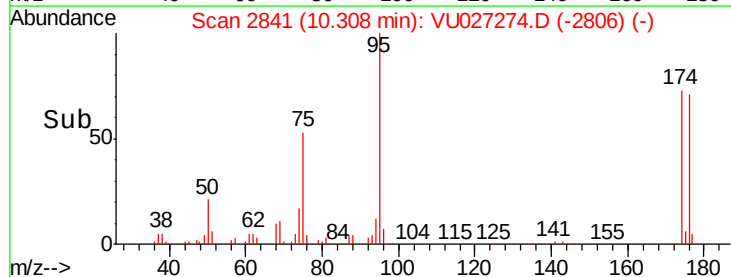
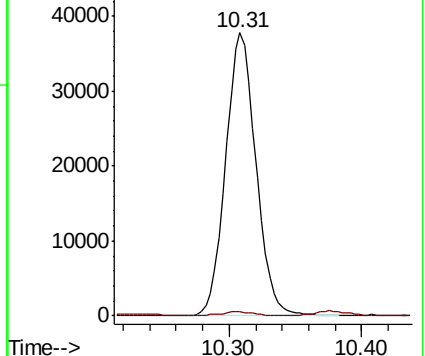
75 100

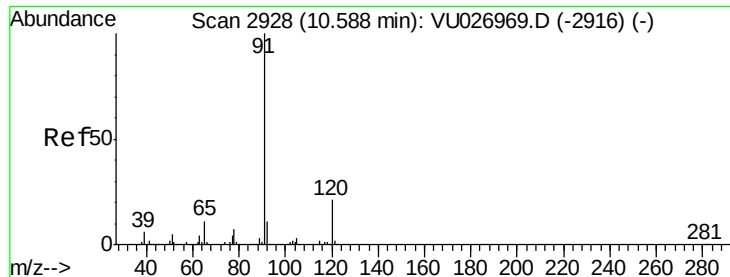
77 1.5 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#78

n-propylbenzene

Concen: 32.973 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027274.D

Acq: 28 Sep 2018 16:15

Instrument :

MSVOA_U

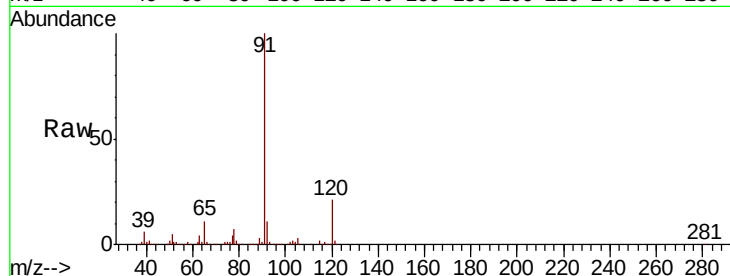
ClientSampled :

Tot Ion: 91 Resp: 298163

Ion Ratio Lower Upper

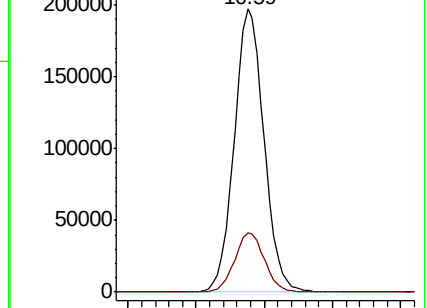
91 100

120 21.1 10.6 31.8

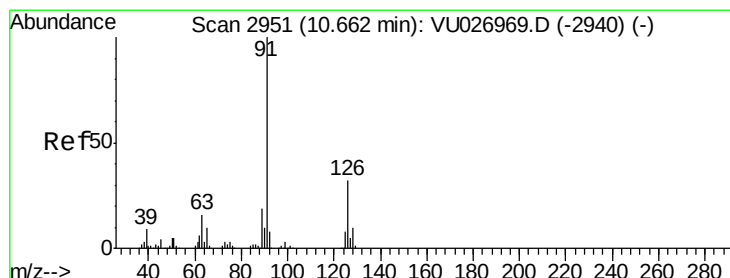
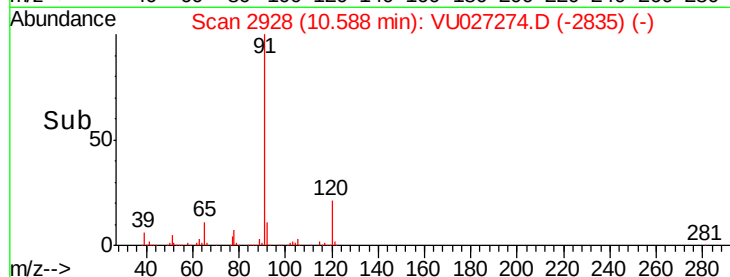


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V



Time--> 10.50 10.55 10.60 10.65



#79

2-Chlorotoluene

Concen: 52.493 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.07 min

Lab File: VU027274.D

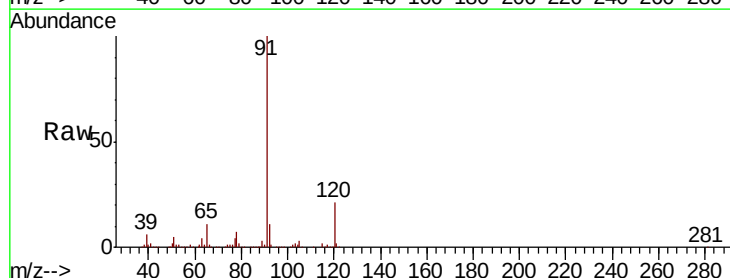
Acq: 28 Sep 2018 16:15

Tgt Ion: 91 Resp: 298163

Ion Ratio Lower Upper

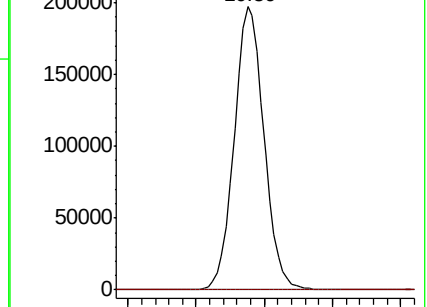
91 100

126 0.0 15.8 47.3#

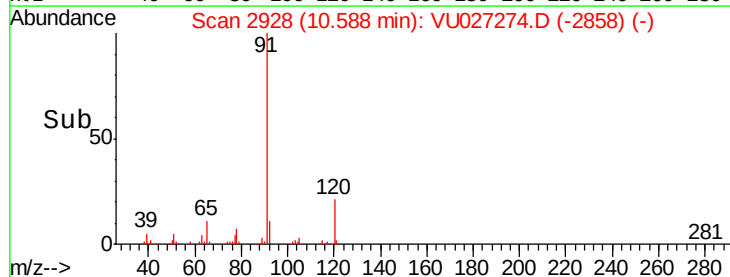


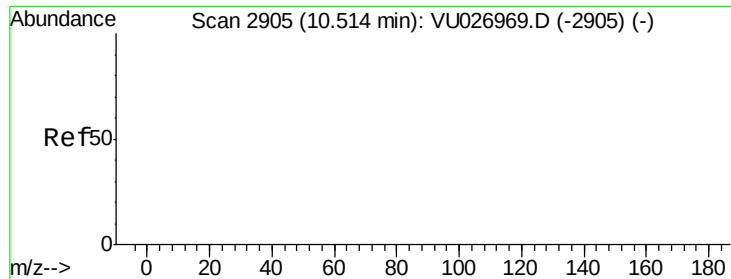
Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V



Time--> 10.50 10.55 10.60 10.65

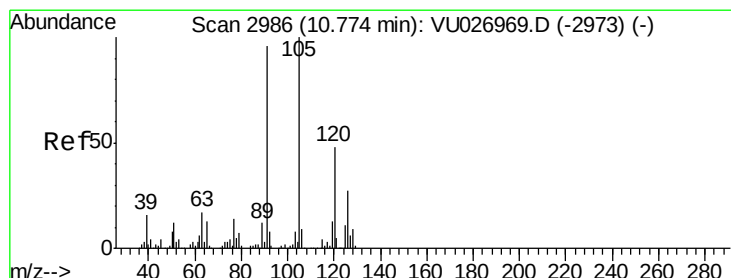
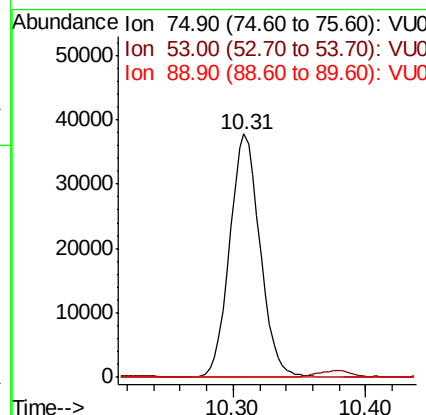
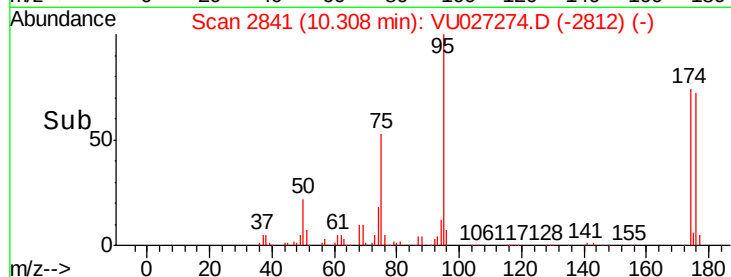
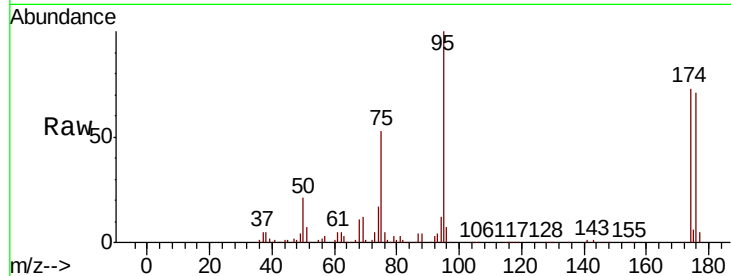




#81
trans-1,4-Dichloro-2-butene
Concen: 62.891 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.21 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

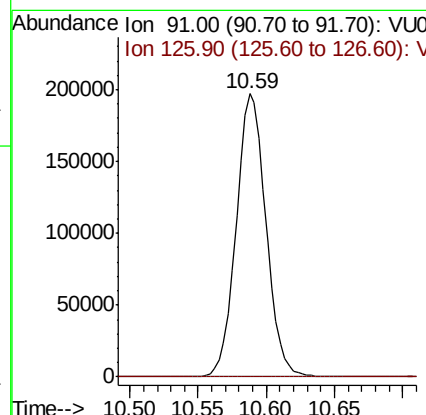
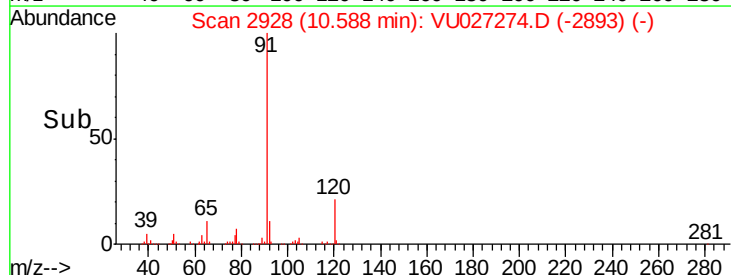
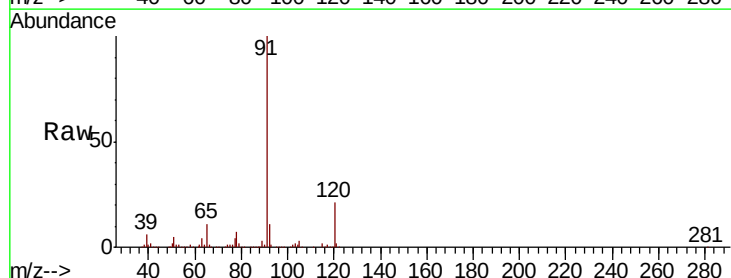
Instrument :
MSVOA_U
ClientSampleId :

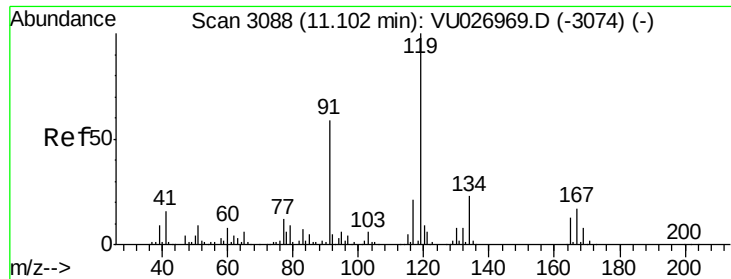
Tot Ion: 75 Resp: 59982
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 46.816 ug/l
RT: 10.59 min Scan# 2928
Delta R.T. -0.19 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Tgt Ion: 91 Resp: 298163
Ion Ratio Lower Upper
91 100
126 0.0 14.1 42.2#

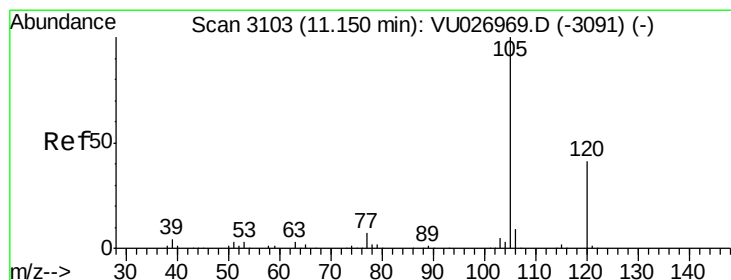
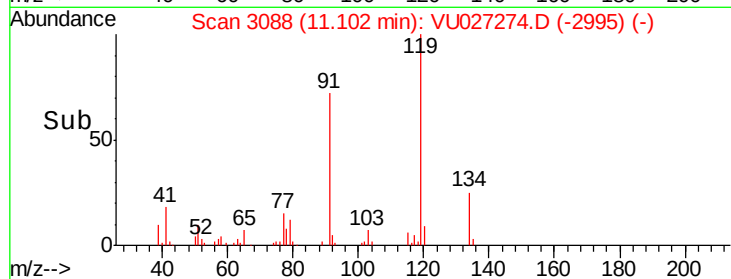
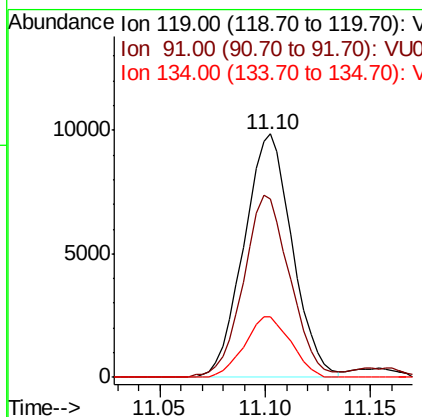
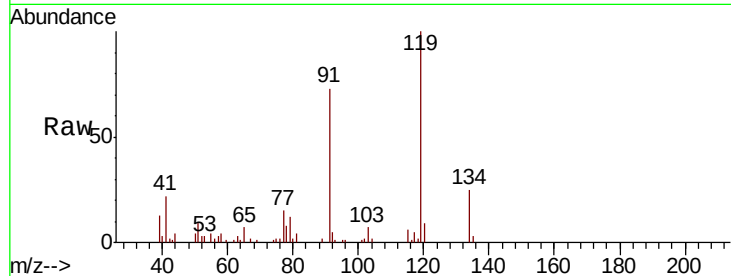




#83
 tert-Butylbenzene
 Concen: 2.511 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU027274.D
 Acq: 28 Sep 2018 16:15

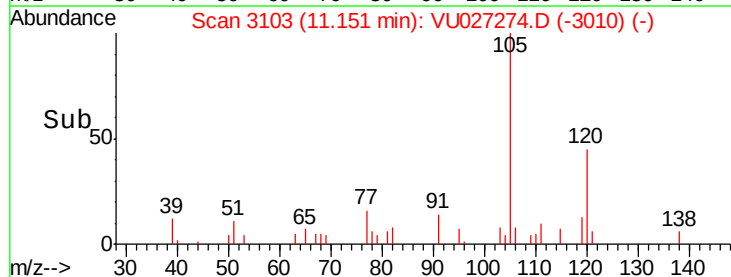
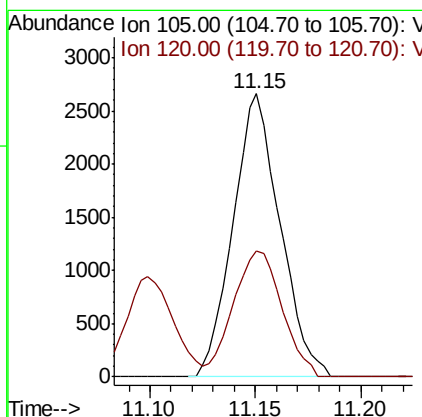
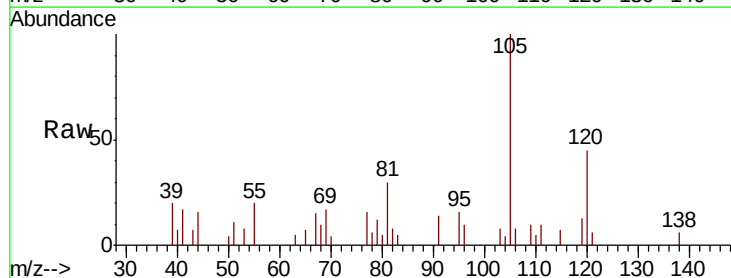
Instrument :
 MSVOA_U
 ClientSampleId :

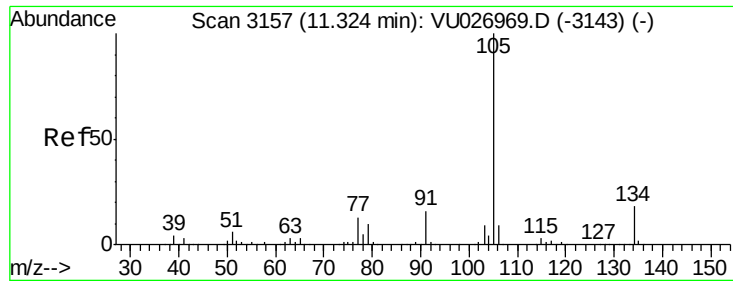
Tot Ion:119 Resp: 15660
 Ion Ratio Lower Upper
 119 100
 91 72.4 29.8 89.4
 134 23.8 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 0.640 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027274.D
 Acq: 28 Sep 2018 16:15

Tgt Ion:105 Resp: 4112
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.4 67.2

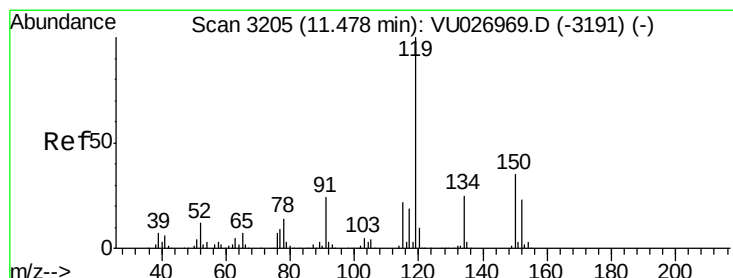
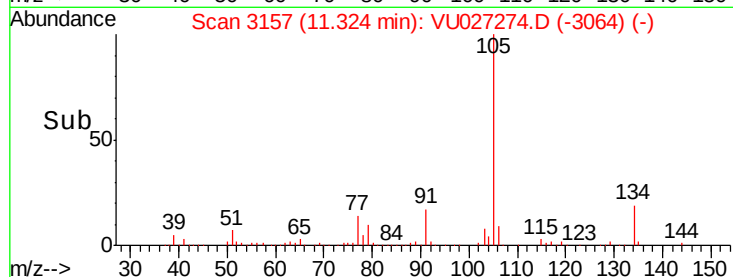
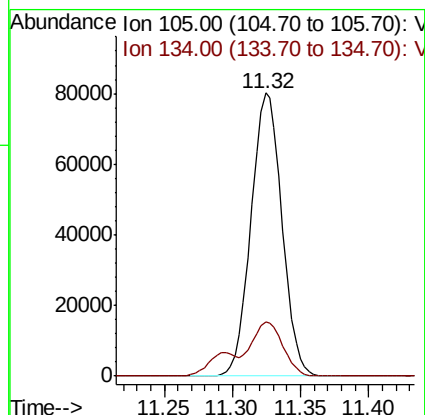
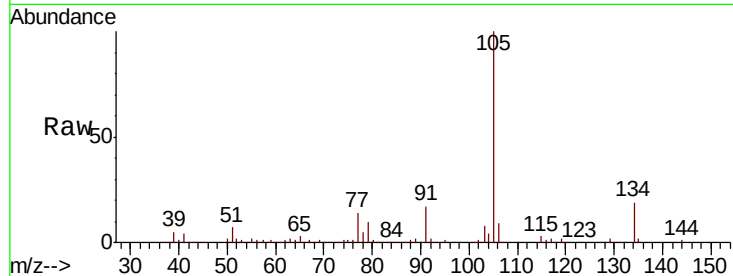




#85
 sec-Butylbenzene
 Concen: 16.563 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027274.D
 Acq: 28 Sep 2018 16:15

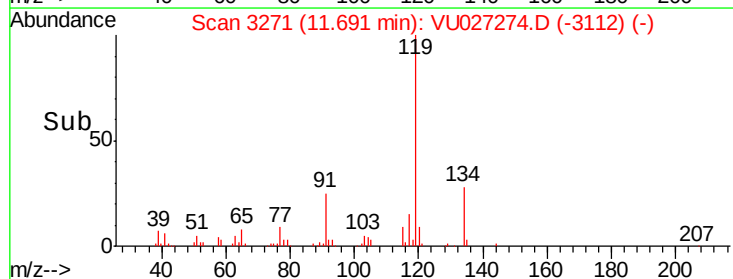
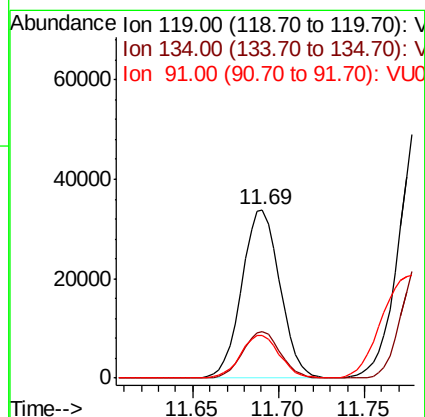
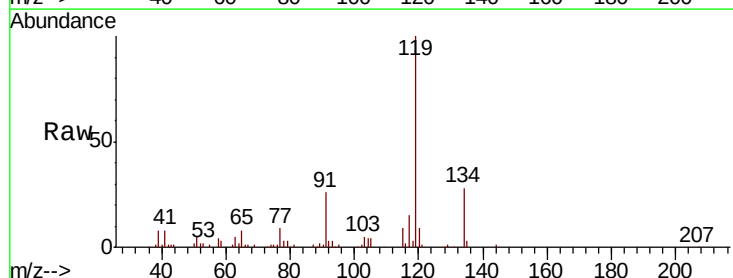
Instrument :
 MSVOA_U
 ClientSampled :

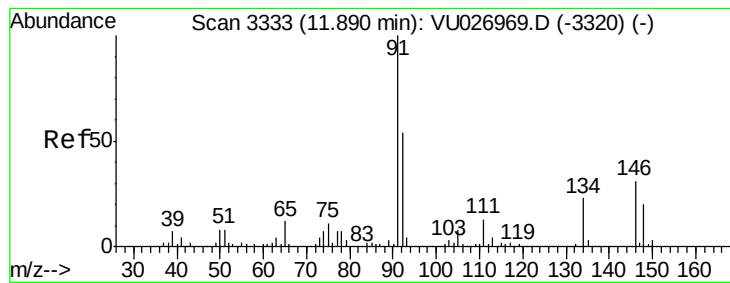
Tot Ion:105 Resp: 126102
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 8.116 ug/l
 RT: 11.69 min Scan# 3271
 Delta R.T. 0.21 min
 Lab File: VU027274.D
 Acq: 28 Sep 2018 16:15

Tgt Ion:119 Resp: 52325
 Ion Ratio Lower Upper
 119 100
 134 27.4 12.8 38.3
 91 26.0 12.3 36.8





#89

n-Butylbenzene

Concen: 6.848 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU027274.D

Acq: 28 Sep 2018 16:15

Instrument :

MSVOA_U

ClientSampled :

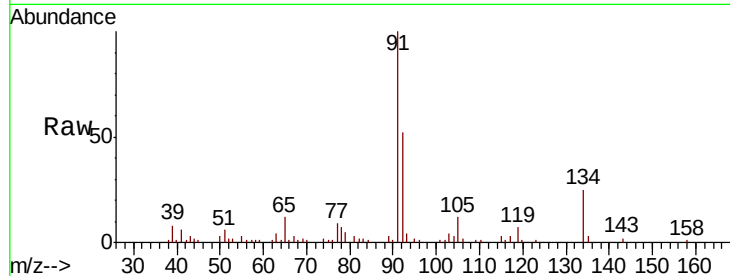
Tot Ion: 91 Resp: 32407

Ion Ratio Lower Upper

91 100

92 45.1 27.1 81.2

134 0.0 11.7 35.0#

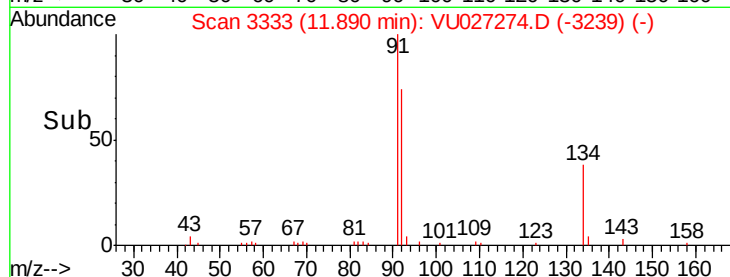


Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)

Ion 92.00 (91.70 to 92.70): VU026969.D (-3320) (-)

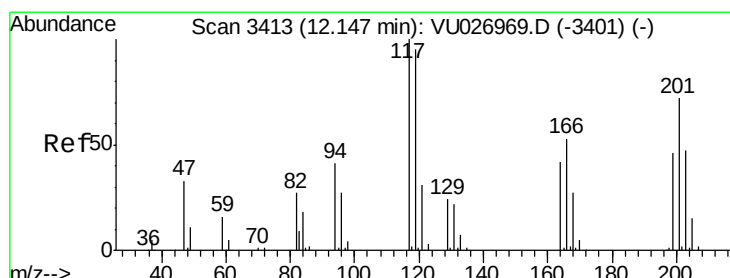
Ion 134.00 (133.70 to 134.70): VU026969.D (-3320) (-)

Time-->



11.89

Time-->



#90

Hexachloroethane

Concen: 13.095 ug/l

RT: 12.25 min Scan# 3446

Delta R.T. 0.11 min

Lab File: VU027274.D

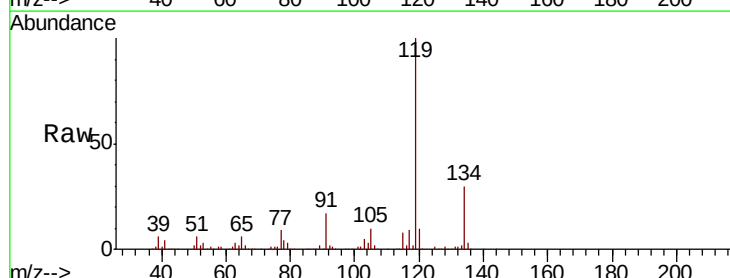
Acq: 28 Sep 2018 16:15

Tgt Ion: 117 Resp: 18130

Ion Ratio Lower Upper

117 100

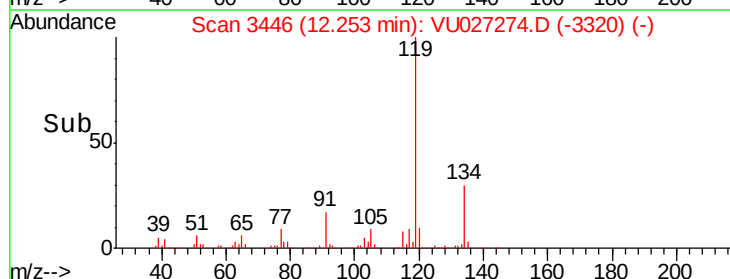
201 0.0 36.8 110.3#



Abundance Ion 116.80 (116.50 to 117.50): VU026969.D (-3401) (-)

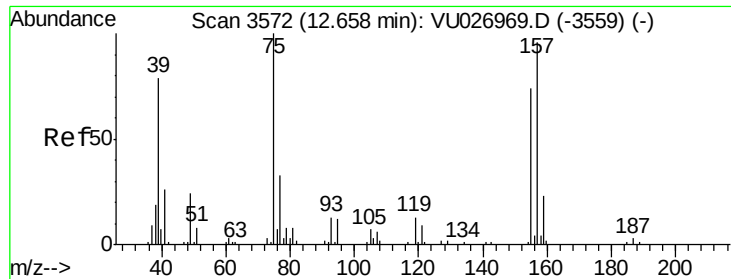
Ion 200.70 (200.40 to 201.40): VU026969.D (-3401) (-)

Time-->



12.25

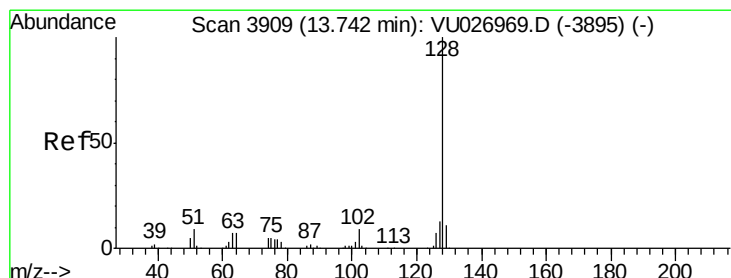
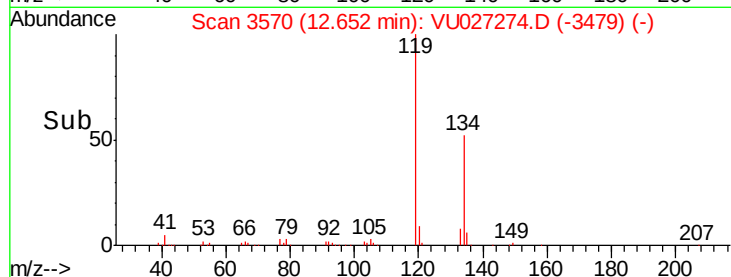
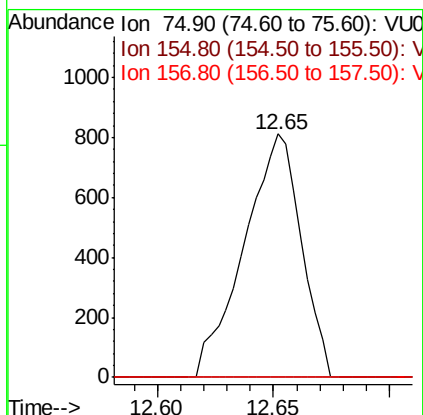
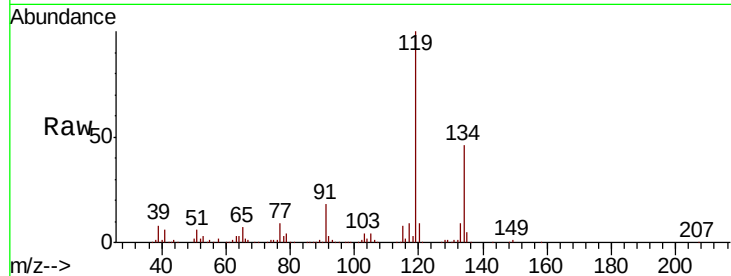
Time-->



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.939 ug/l
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.01 min
 Lab File: VU027274.D
 Acq: 28 Sep 2018 16:15

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 1390
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.6 109.8#
 157 0.0 47.4 142.2#



#95
 Naphthalene
 Concen: 21.552 ug/l
 RT: 13.74 min Scan# 3909
 Delta R.T. 0.00 min
 Lab File: VU027274.D
 Acq: 28 Sep 2018 16:15

Tgt Ion: 128 Resp: 170990
 Ion Ratio Lower Upper
 128 100
 127 13.8 10.6 15.8
 129 12.3 8.6 12.8

