

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121718\
 Data File : VU028760.D
 Acq On : 18 Dec 2018 08:00
 Operator : MD/SY
 Sample : J6390-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 09:08:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	83878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	149443	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	136530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	61088	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	68185	53.27	ug/l	0.00
Spiked Amount			Recovery	=	106.54%	
35) Dibromofluoromethane	4.88	113	50333	53.52	ug/l	0.00
Spiked Amount			Recovery	=	107.04%	
50) Toluene-d8	7.57	98	193698	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
62) 4-Bromofluorobenzene	10.30	95	68795	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1243	0.601	ug/l	99
8) Diethyl Ether	2.10	74	6627	9.026	ug/l #	1
11) Tert butyl alcohol	2.83	59	32021	112.281	ug/l	98
13) Acrolein	2.20	56	2385	10.491	ug/l	90
14) Allyl chloride	2.45	41	41686	18.869	ug/l #	68
16) Acetone	2.32	43	509763	610.290	ug/l	98
18) Methyl Acetate	2.61	43	97068	44.830	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	1922	0.543	ug/l	95
20) Methylene Chloride	2.70	84	4779	3.881	ug/l	91
22) Diisopropyl ether	3.64	45	120377	28.019	ug/l #	1
23) Vinyl Acetate	3.65	43	266269	75.138	ug/l #	76
25) 2-Butanone	3.99	43	2008059	1759.151	ug/l #	14
29) Tetrahydrofuran	4.62	42	2225	3.035	ug/l #	41
31) Cyclohexane	4.98	56	1957	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7387	4.517	ug/l #	50
37) Ethyl Acetate	4.39	43	16008	7.572	ug/l	99
38) Carbon Tetrachloride	4.98	117	8361	6.343	ug/l #	15
40) Benzene	5.39	78	24164	5.017	ug/l	97
43) Isopropyl Acetate	5.35	43	90438	27.047	ug/l #	62
45) 1,2-Dichloropropane	6.71	63	4328	3.195	ug/l #	44
48) Methyl methacrylate	6.71	41	378893	227.859	ug/l #	45
49) 1,4-Dioxane	6.62	88	475	18.091	ug/l #	19
51) 4-Methyl-2-Pentanone	7.46	43	37744	17.897	ug/l	100
52) Toluene	7.64	92	158212	55.815	ug/l	100
53) t-1,3-Dichloropropene	7.80	75	6022	3.233	ug/l #	44
56) Ethyl methacrylate	7.92	69	869	0.453	ug/l #	24
59) 2-Hexanone	8.53	43	12178409	7285.721	ug/l #	29
67) Ethyl Benzene	9.25	91	107048	20.015	ug/l	99
68) m/p-Xylenes	9.37	106	65552	33.684	ug/l	100
69) o-Xylene	9.78	106	30458	16.105	ug/l	95
70) Styrene	9.78	104	2577	0.823	ug/l #	1
73) Isopropylbenzene	10.17	105	1048	0.224	ug/l	89
74) N-amyl acetate	10.03	43	1663	0.615	ug/l #	25
75) 1,1,2,2-Tetrachloroethane	10.40	83	18325	10.177	ug/l #	31

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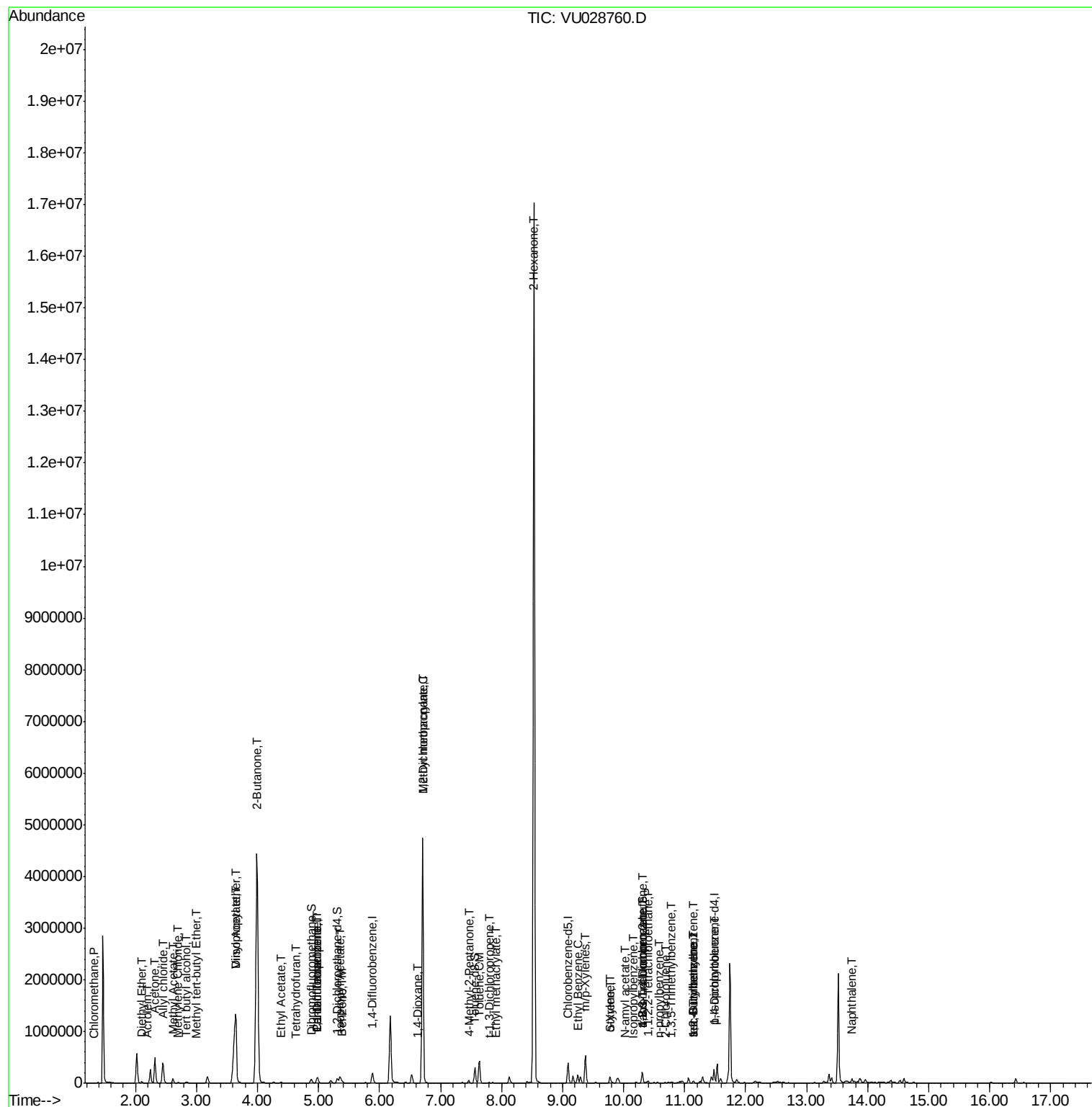
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,2,3-Trichloropropane	10.30	75	35487	22.750	ug/l #	35
78) n-propylbenzene	10.59	91	2387	0.410	ug/l	97
79) 2-Chlorotoluene	10.68	91	1176	0.351	ug/l #	43
80) 1,3,5-Trimethylbenzene	10.77	105	2441	0.629	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.30	75	35487	55.872	ug/l #	100
83) tert-Butylbenzene	11.15	119	1287	0.344	ug/l #	55
84) 1,2,4-Trimethylbenzene	11.14	105	16535	4.135	ug/l	75
85) sec-Butylbenzene	11.14	105	16535	3.441	ug/l #	59
86) p-Isopropyltoluene	11.48	119	2413	0.591	ug/l #	83
95) Naphthalene	13.74	128	4508	0.907	ug/l #	95

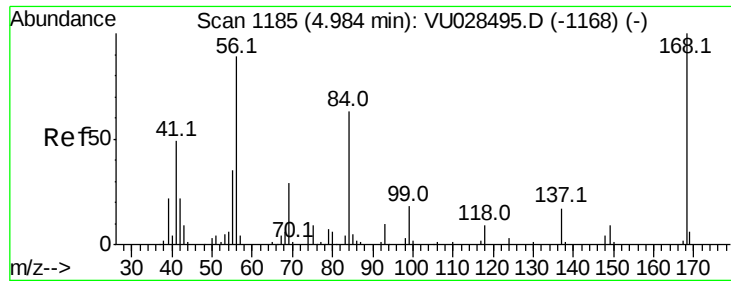
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

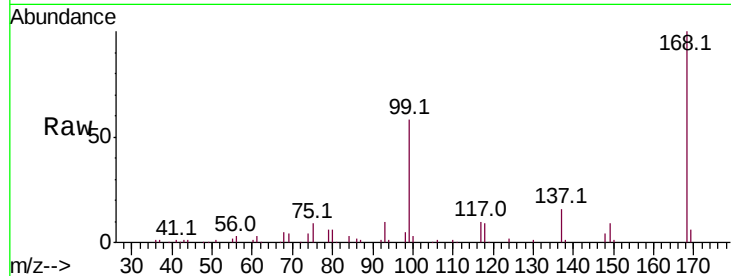
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 83878

Ion Ratio Lower Upper

168 100

99 58.3 46.6 69.8



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

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

4.98

40000

30000

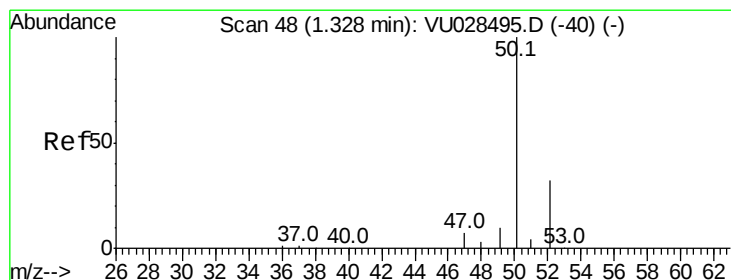
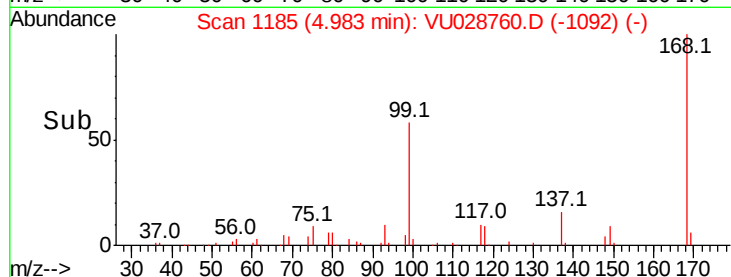
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#3

Chloromethane

Concen: 0.601 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028760.D

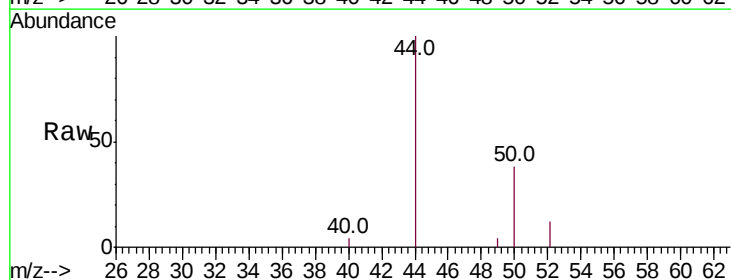
Acq: 18 Dec 2018 08:00

Tgt Ion: 50 Resp: 1243

Ion Ratio Lower Upper

50 100

52 31.4 25.5 38.3



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

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

1.33

1200

1000

800

600

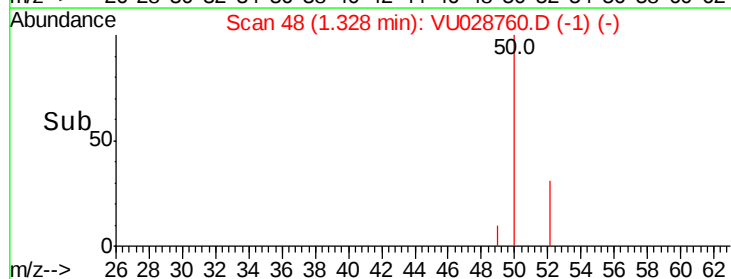
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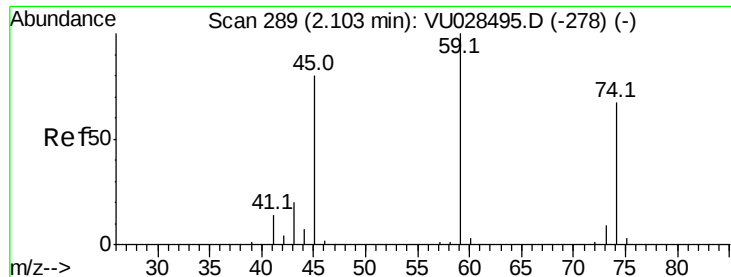
200

0

1.30 1.35

Time-->





#8

Diethyl Ether

Concen: 9.026 ug/l

RT: 2.10 min Scan# 289

Delta R.T. -0.00 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

Instrument :

MSVOA_U

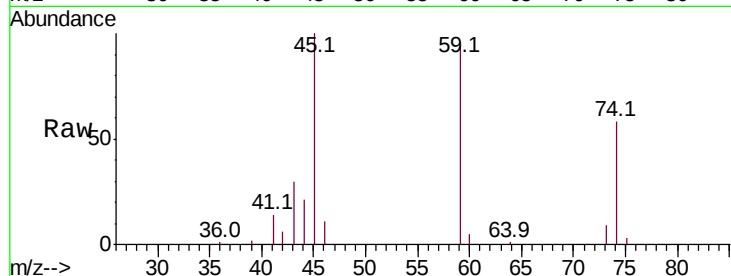
ClientSampled :

Tot Ion: 74 Resp: 6627

Ion Ratio Lower Upper

74 100

45 0.0 59.7 179.0#



Abundance Ion 74.00 (73.70 to 74.70): VU028495.D (-278) (-)

Ion 45.00 (44.70 to 45.70): VU028495.D (-278) (-)

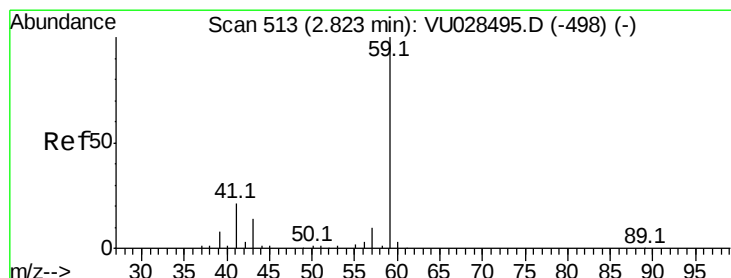
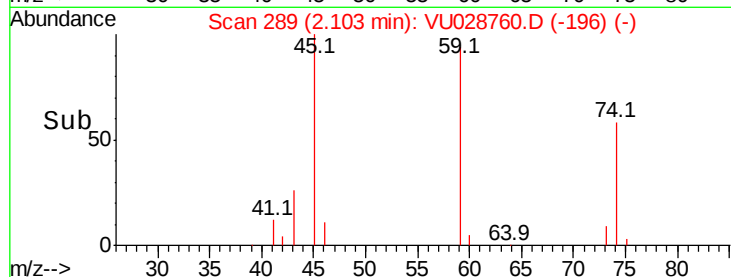
100000

50000

0

2.05 2.10 2.15

Time-->



#11

Tert butyl alcohol

Concen: 112.281 ug/l

RT: 2.83 min Scan# 516

Delta R.T. 0.01 min

Lab File: VU028760.D

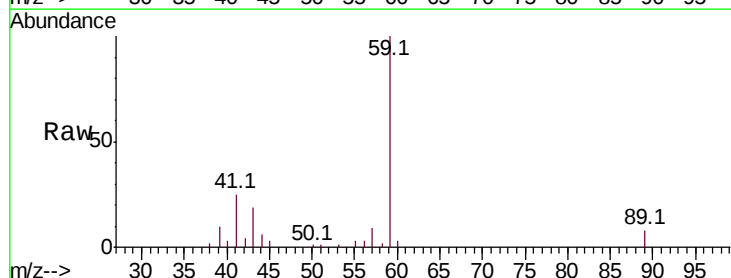
Acq: 18 Dec 2018 08:00

Tgt Ion: 59 Resp: 32021

Ion Ratio Lower Upper

59 100

57 9.4 8.0 12.0



Abundance Ion 59.00 (58.70 to 59.70): VU028495.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU028495.D (-498) (-)

15000

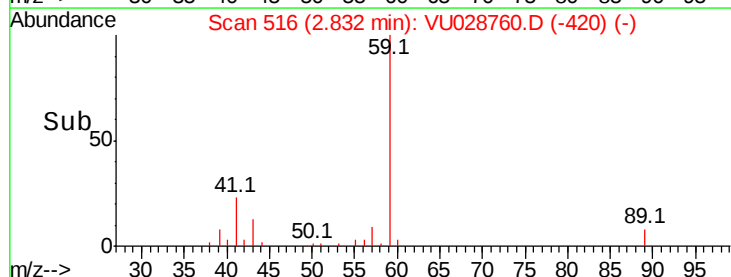
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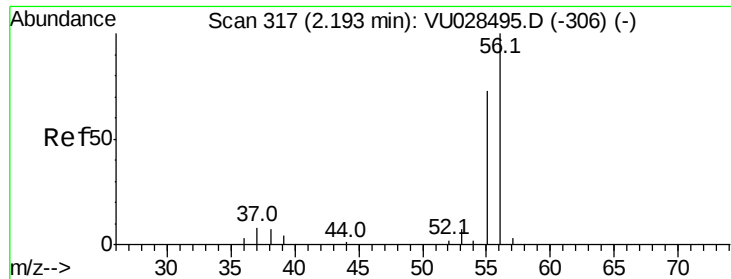
5000

0

2.75 2.80 2.85 2.90 2.95

Time-->





#13

Acrolein

Concen: 10.491 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

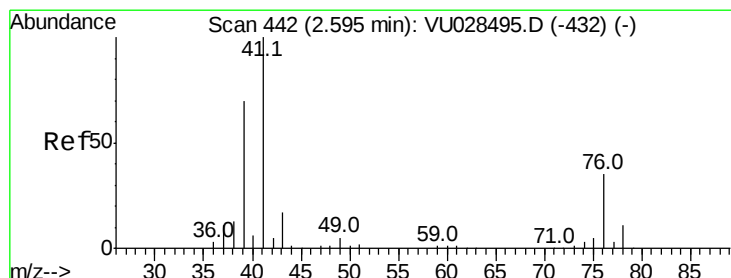
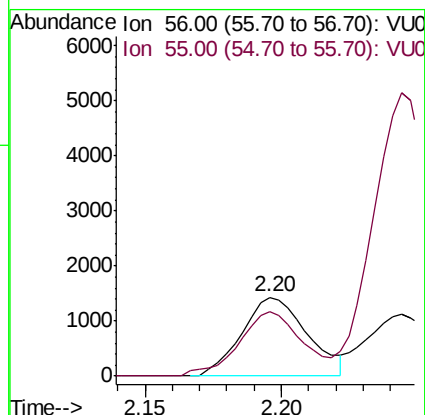
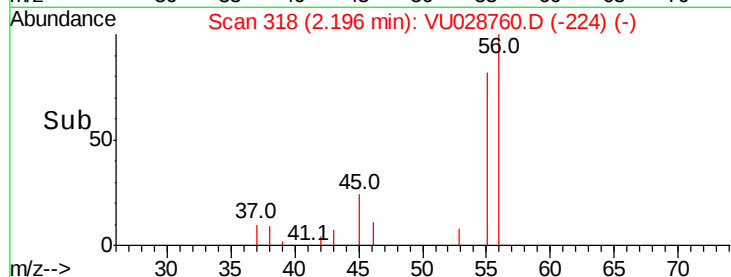
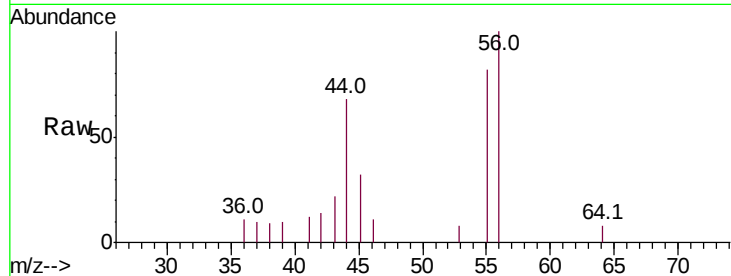
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 2385

Ion Ratio Lower Upper

56 100

55 79.9 57.5 86.3



#14

Allyl chloride

Concen: 18.869 ug/l

RT: 2.45 min Scan# 398

Delta R.T. -0.14 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

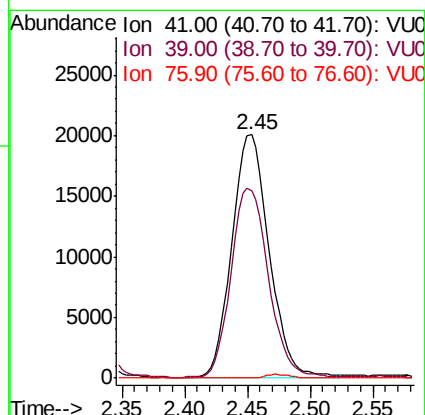
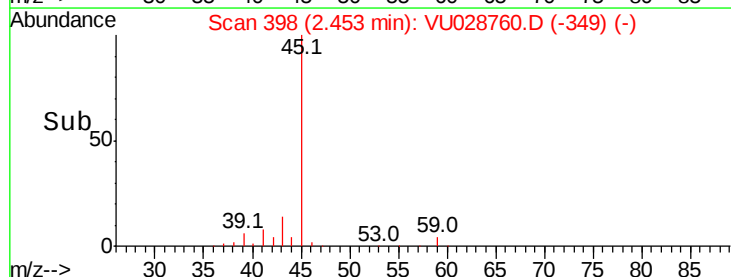
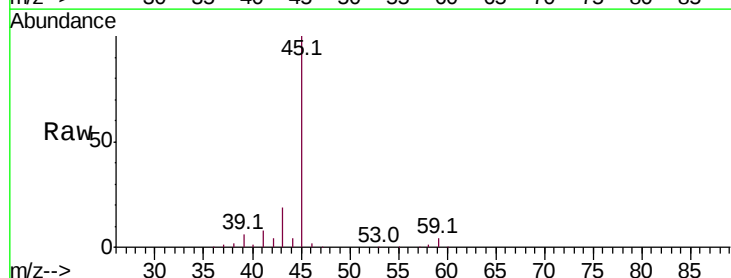
Tgt Ion: 41 Resp: 41686

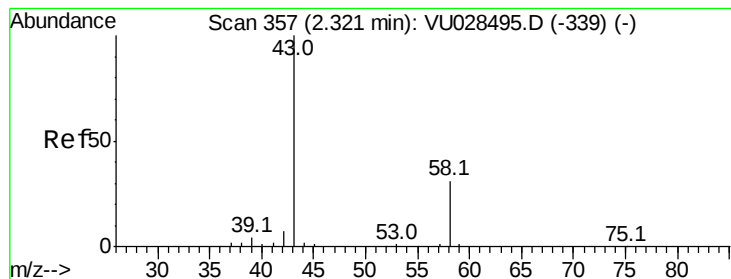
Ion Ratio Lower Upper

41 100

39 78.7 50.8 76.2#

76 0.0 24.8 37.2#





#16

Acetone

Concen: 610.290 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

Instrument :

MSVOA_U

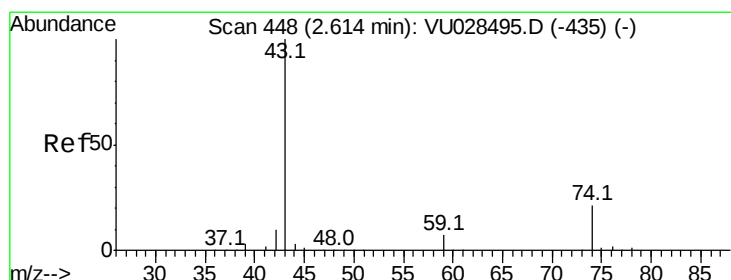
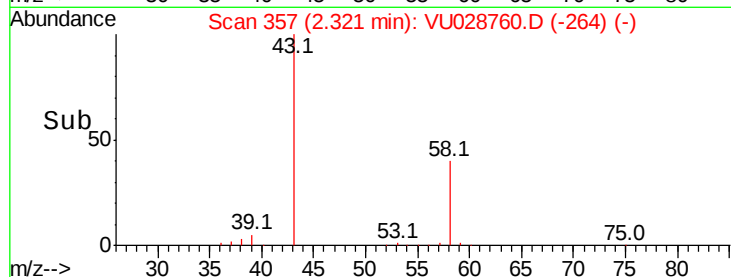
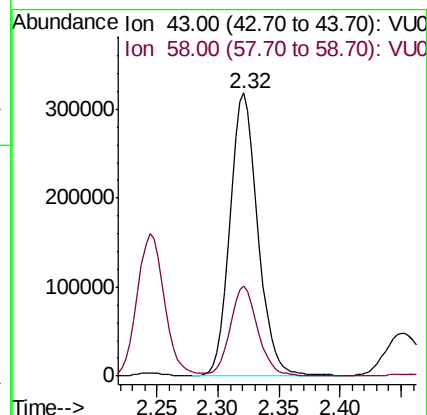
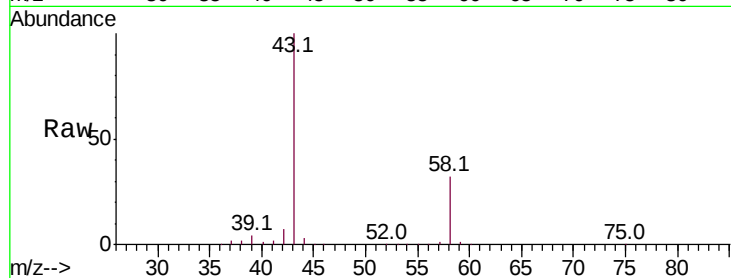
ClientSampleId :

Tot Ion: 43 Resp: 509763

Ion Ratio Lower Upper

43 100

58 31.8 24.6 37.0



#18

Methyl Acetate

Concen: 44.830 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028760.D

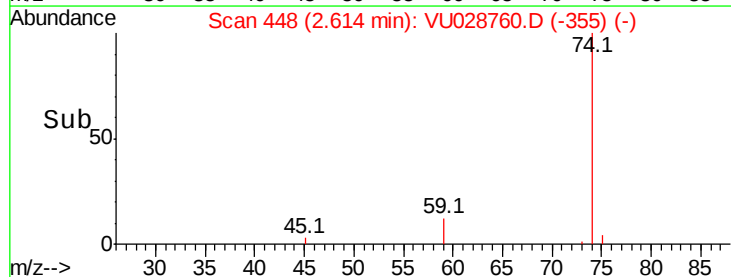
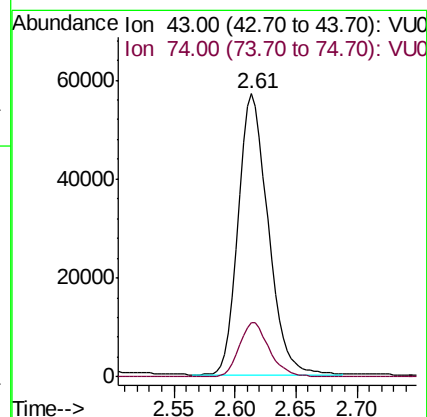
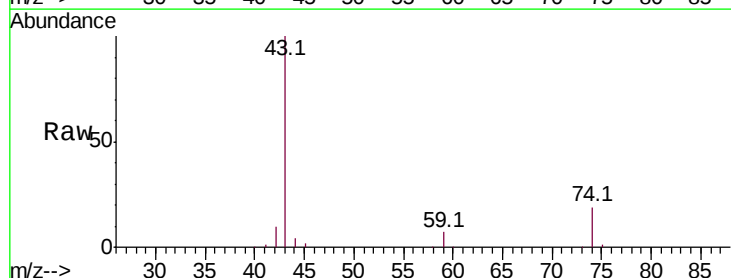
Acq: 18 Dec 2018 08:00

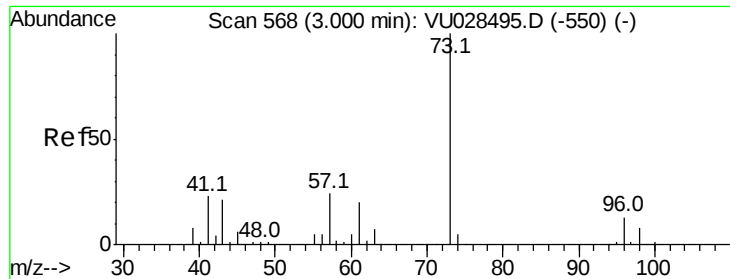
Tgt Ion: 43 Resp: 97068

Ion Ratio Lower Upper

43 100

74 19.3 16.4 24.6

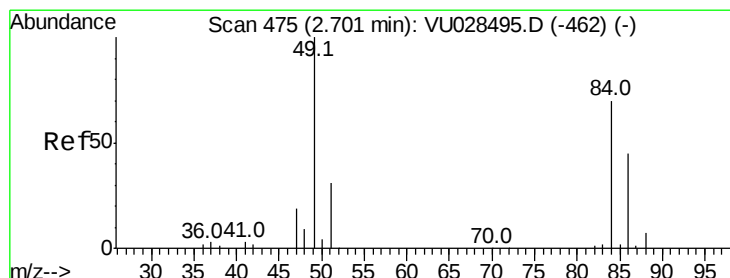
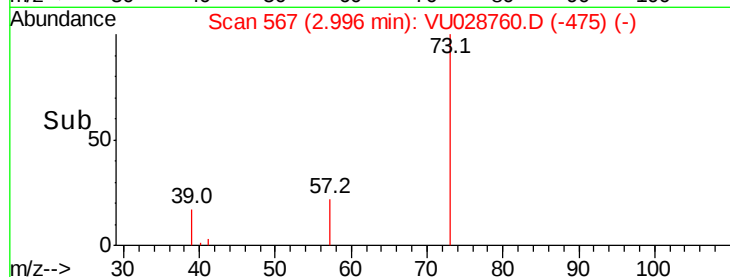
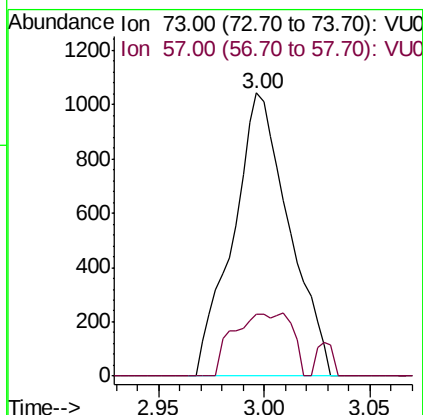
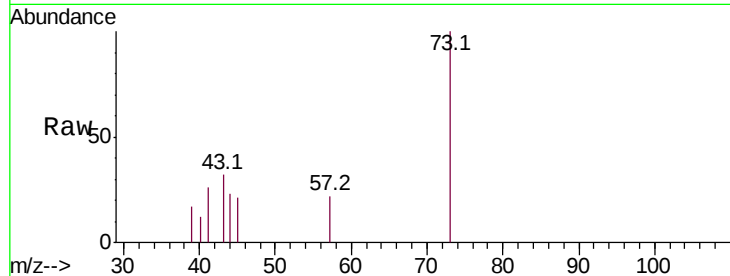




#19
Methyl tert-butyl Ether
Concen: 0.543 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028760.D
Acq: 18 Dec 2018 08:00

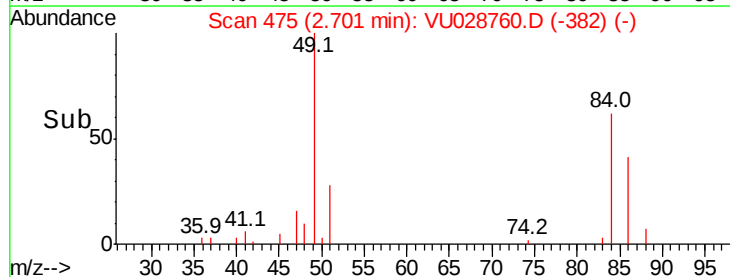
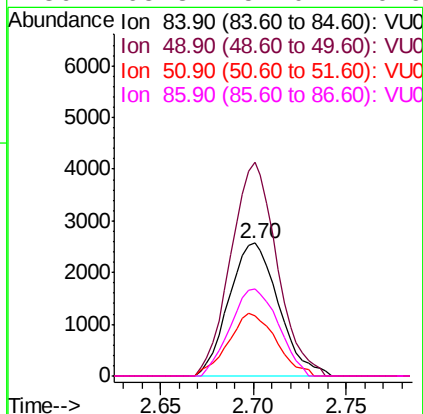
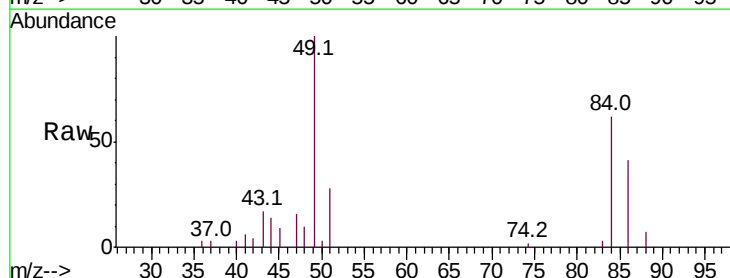
Instrument :
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ClientSampled :

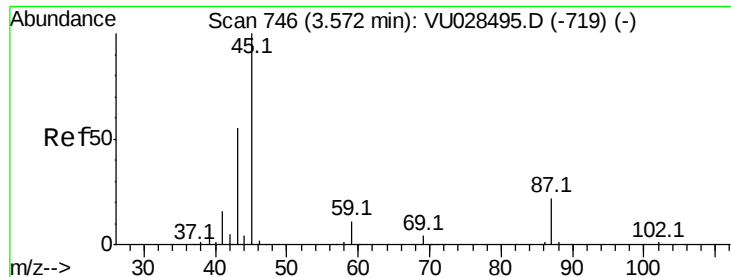
Tot Ion: 73 Resp: 1922
Ion Ratio Lower Upper
73 100
57 21.8 19.4 29.2



#20
Methylene Chloride
Concen: 3.881 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028760.D
Acq: 18 Dec 2018 08:00

Tgt Ion: 84 Resp: 4779
Ion Ratio Lower Upper
84 100
49 160.8 114.0 171.0
51 45.5 35.1 52.7
86 65.3 51.0 76.6



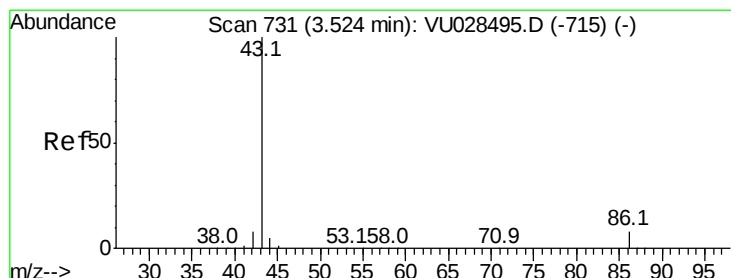
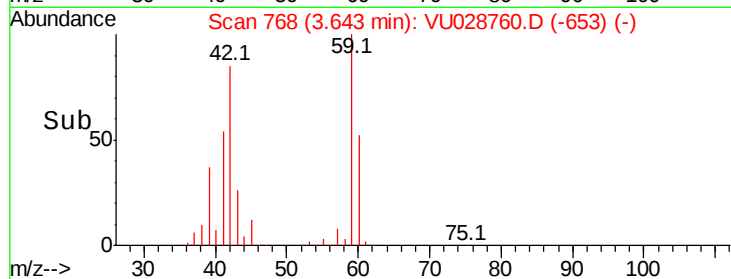
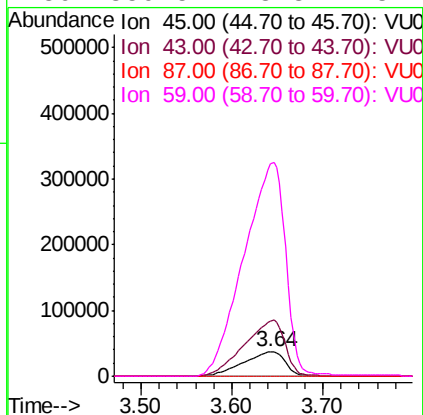
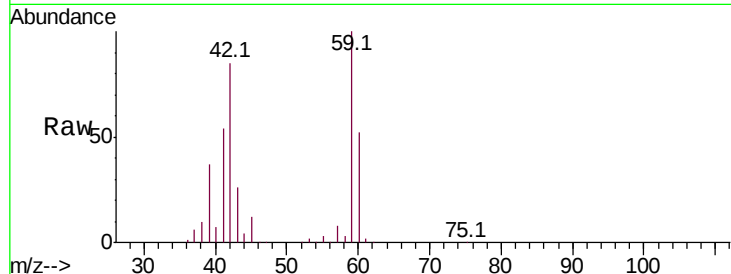


#22

Diisopropyl ether
 Concen: 28.019 ug/l
 RT: 3.64 min Scan# 768
 Delta R.T. 0.07 min
 Lab File: VU028760.D
 Acq: 18 Dec 2018 08:00

Instrument :
 MSVOA_U
 ClientSampled :

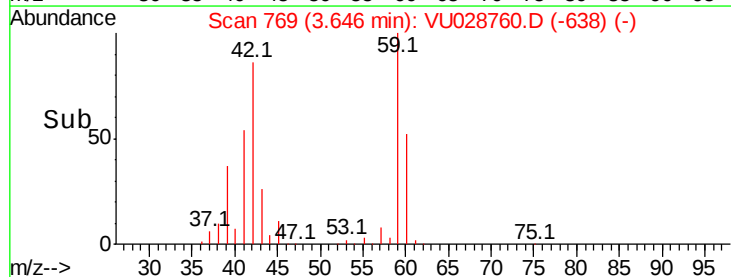
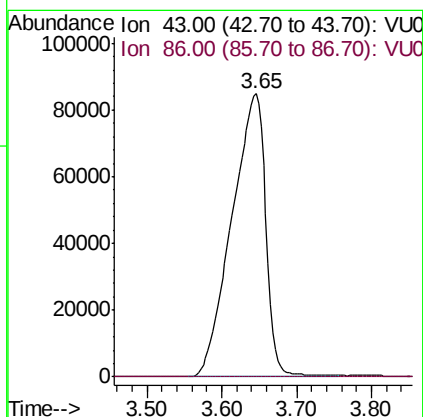
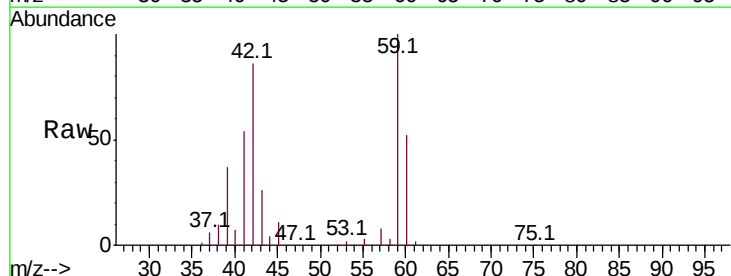
Tot Ion	Ratio	Lower	Upper
45	100		
43	224.2	45.3	67.9#
87	0.0	17.6	26.4#
59	859.5	8.8	13.2#

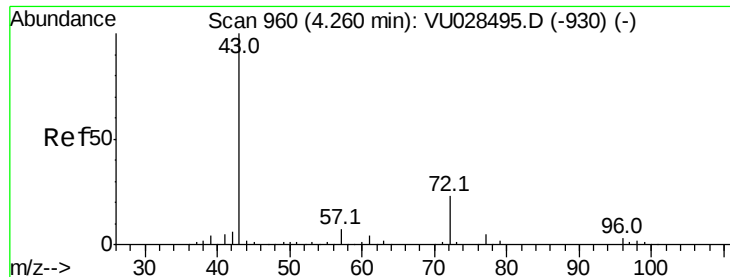


#23

Vinyl Acetate
 Concen: 75.138 ug/l
 RT: 3.65 min Scan# 769
 Delta R.T. 0.12 min
 Lab File: VU028760.D
 Acq: 18 Dec 2018 08:00

Tgt Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.8	10.2#





#25

2-Butanone

Concen: 1759.151 ug/l

RT: 3.99 min Scan# 877

Delta R.T. -0.27 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

Instrument :

MSVOA_U

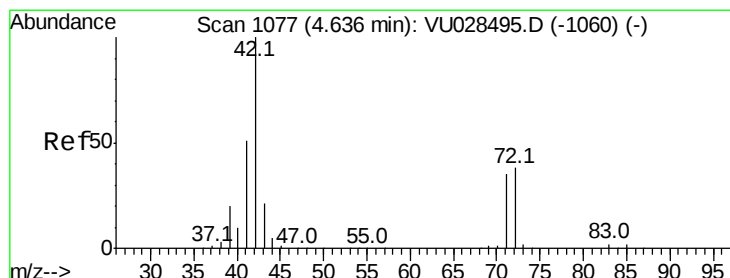
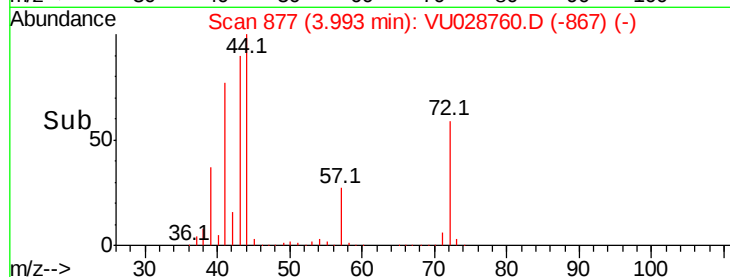
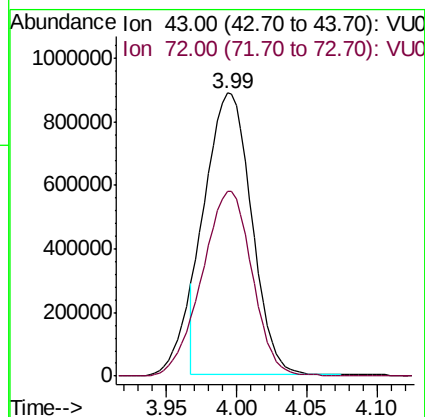
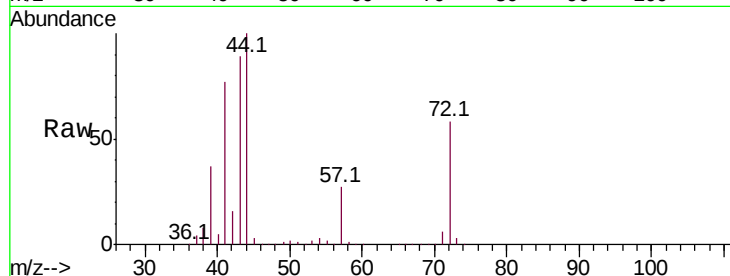
ClientSampled :

Tot Ion: 43 Resp: 2008059

Ion Ratio Lower Upper

43 100

72 65.3 18.6 28.0#



#29

Tetrahydrofuran

Concen: 3.035 ug/l

RT: 4.62 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

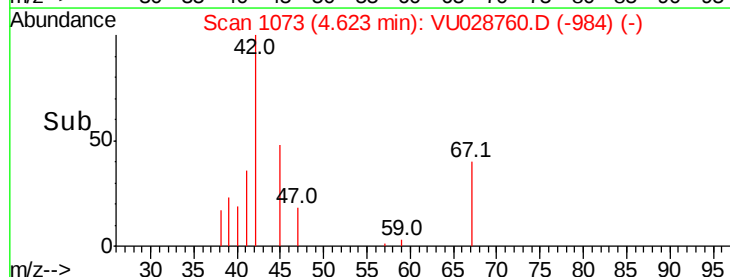
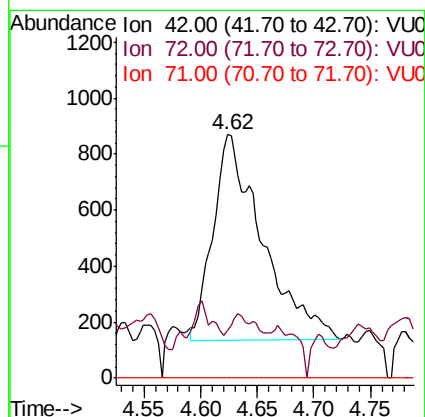
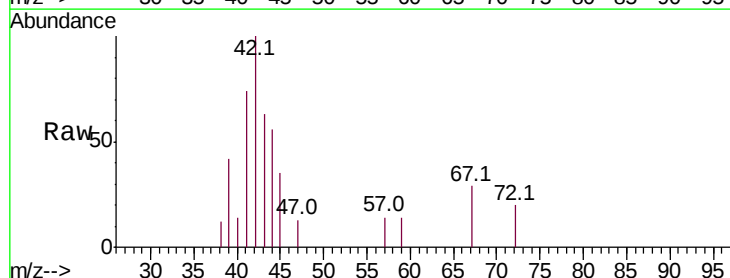
Tgt Ion: 42 Resp: 2225

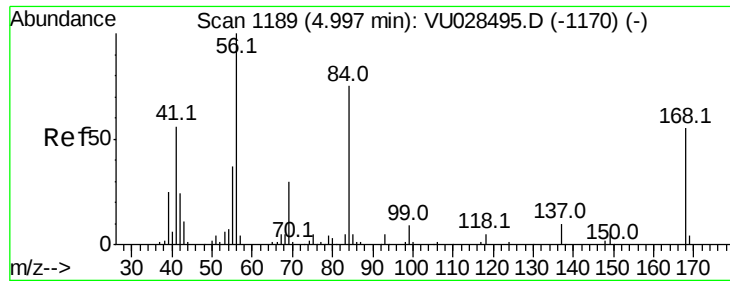
Ion Ratio Lower Upper

42 100

72 4.6 31.4 47.0#

71 0.0 28.6 43.0#

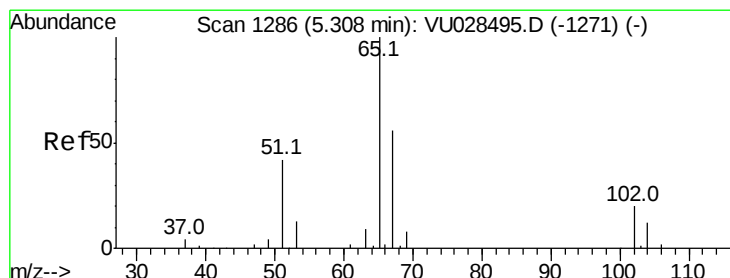
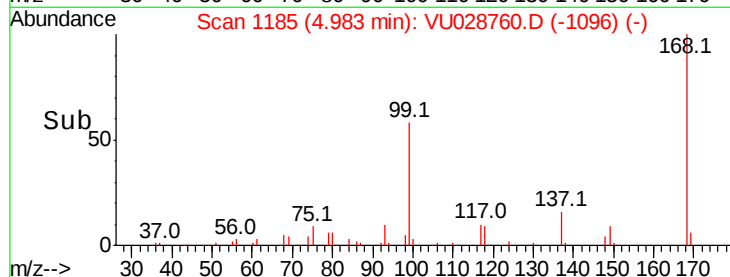
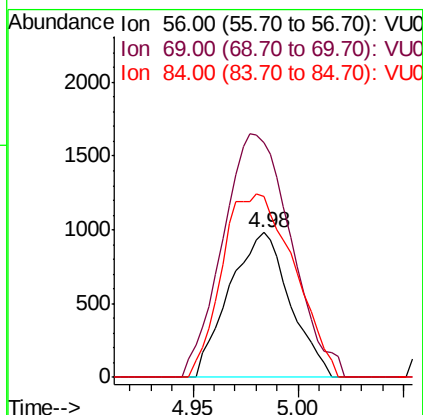
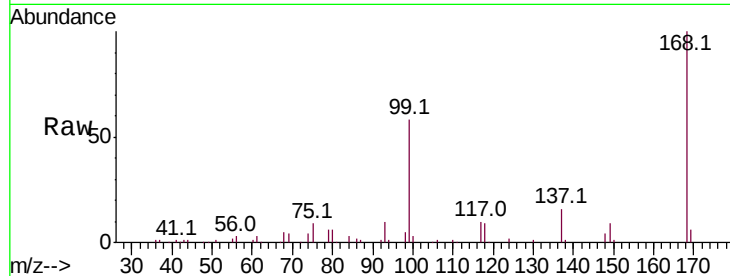




#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028760.D
Acq: 18 Dec 2018 08:00

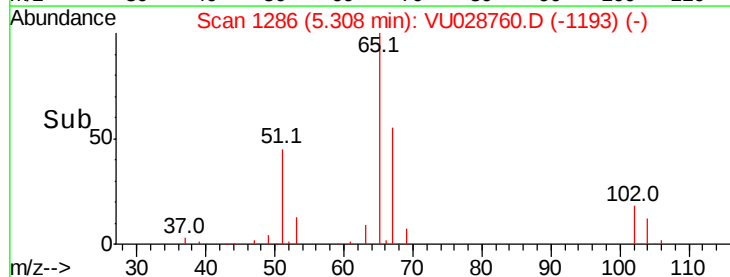
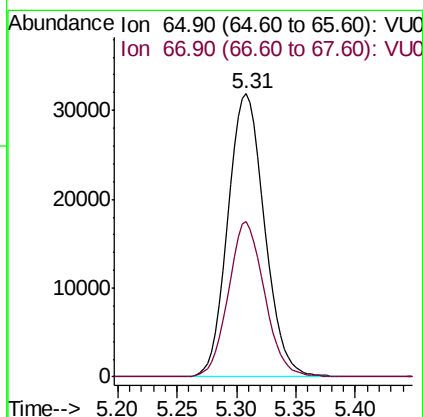
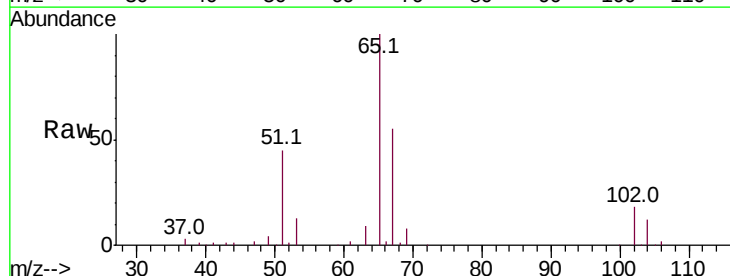
Instrument :
MSVOA_U
ClientSampled :

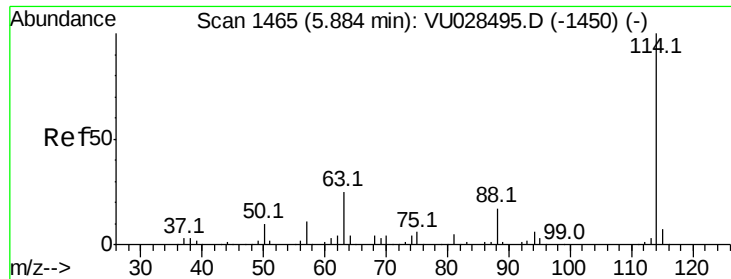
Tot Ion	Ratio	Lower	Upper
56	100		
69	149.3	24.0	36.0#
84	124.9	59.7	89.5#



#33
1,2-Dichloroethane-d4
Concen: 53.268 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028760.D
Acq: 18 Dec 2018 08:00

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	110.6

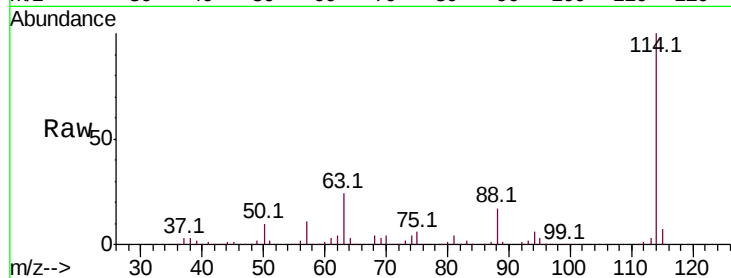




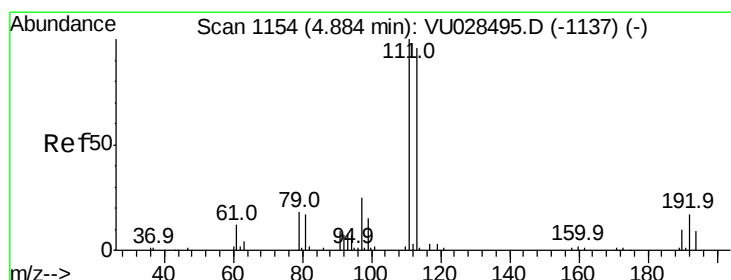
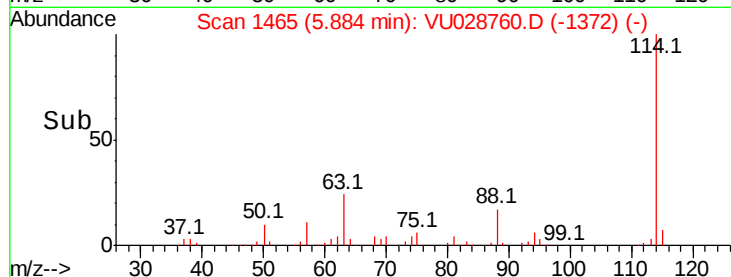
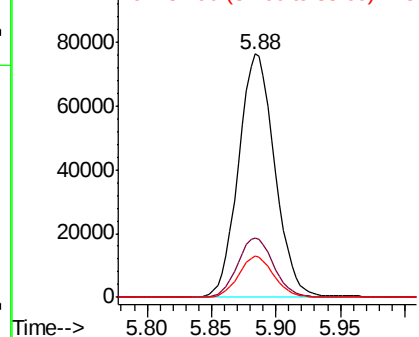
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028760.D
 Acq: 18 Dec 2018 08:00

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:114 Resp: 149443
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.2
 88 16.9 0.0 33.4

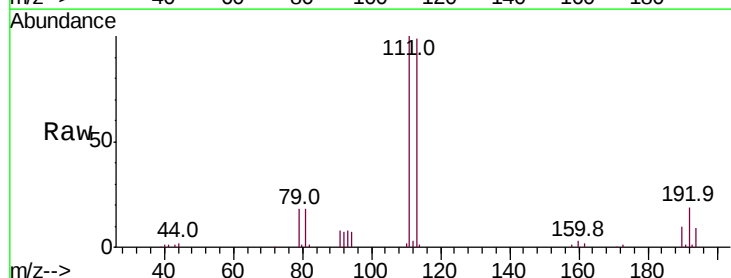


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

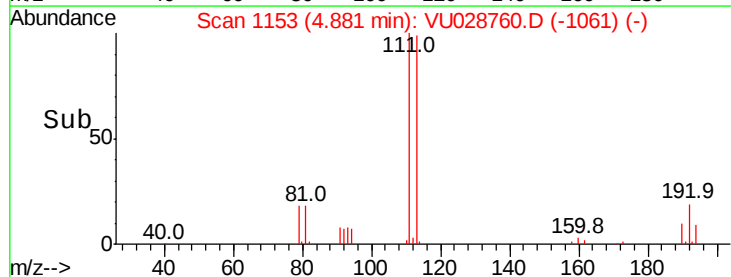
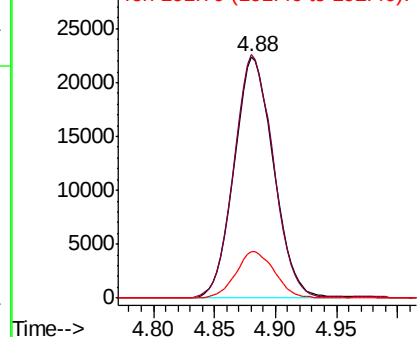


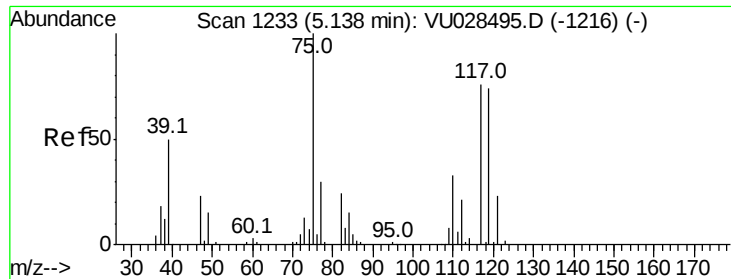
#35
 Dibromofluoromethane
 Concen: 53.520 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028760.D
 Acq: 18 Dec 2018 08:00

Tgt Ion:113 Resp: 50333
 Ion Ratio Lower Upper
 113 100
 111 100.4 83.4 125.0
 192 18.7 14.8 22.2



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





#36

1,1-Dichloropropene

Concen: 4.517 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

Instrument :

MSVOA_U

ClientSampled :

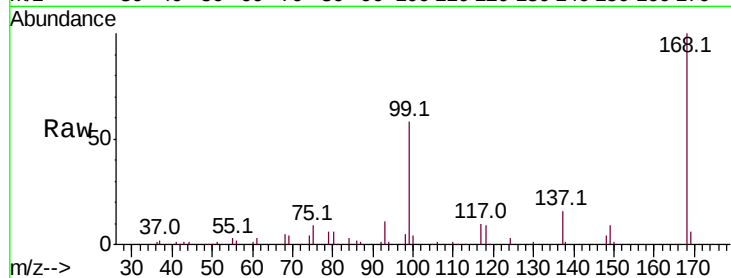
Tot Ion: 75 Resp: 7387

Ion Ratio Lower Upper

75 100

110 6.9 16.1 48.2#

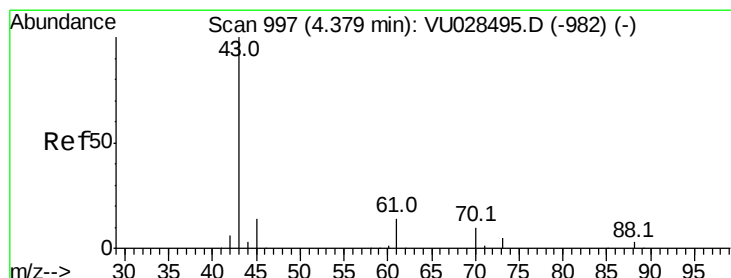
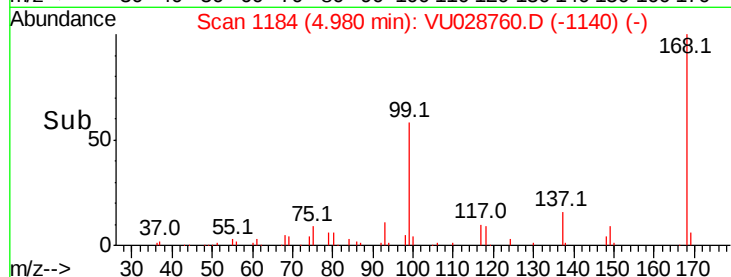
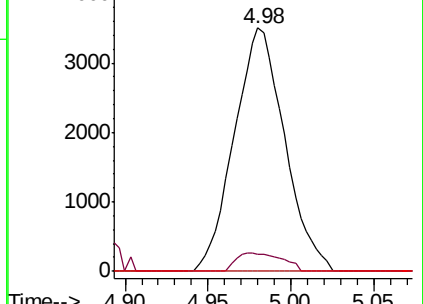
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-1216) (-)

Ion 109.90 (109.60 to 110.60): VU028495.D (-1216) (-)

Ion 76.90 (76.60 to 77.60): VU028495.D (-1216) (-)



#37

Ethyl Acetate

Concen: 7.572 ug/l

RT: 4.39 min Scan# 999

Delta R.T. 0.01 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

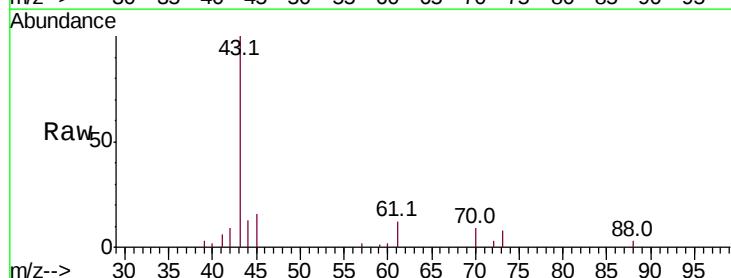
Tgt Ion: 43 Resp: 16008

Ion Ratio Lower Upper

43 100

61 14.0 11.0 16.4

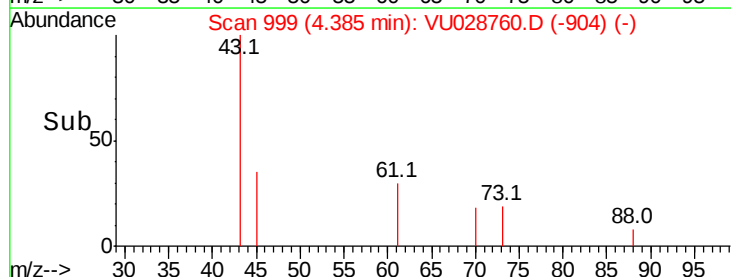
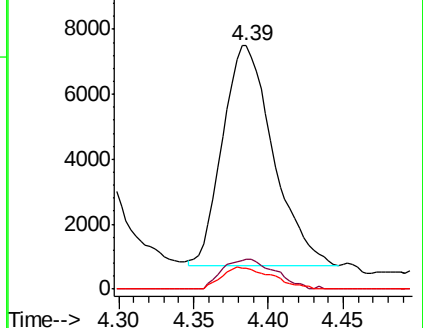
70 9.9 7.4 11.0

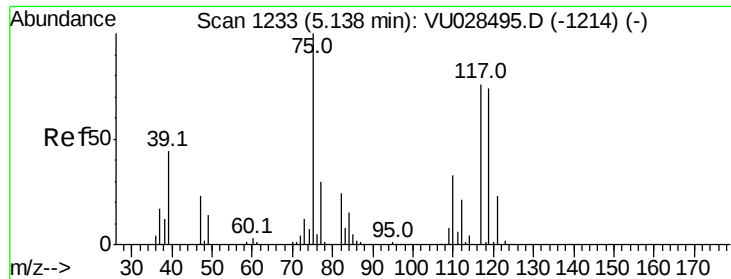


Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-982) (-)

Ion 70.00 (69.70 to 70.70): VU028495.D (-982) (-)

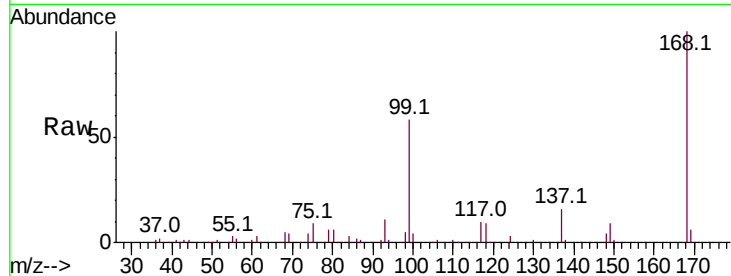




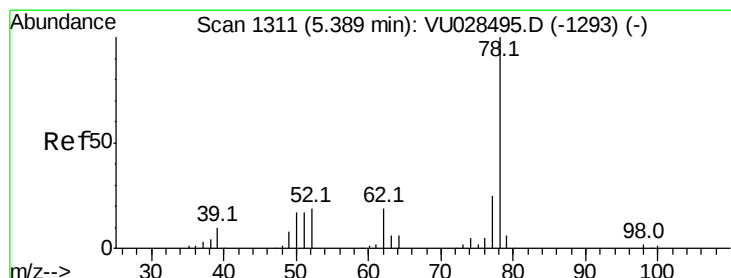
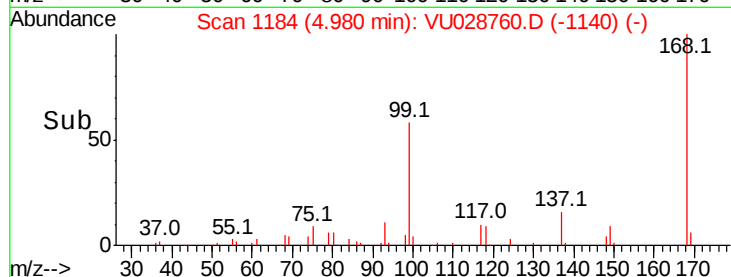
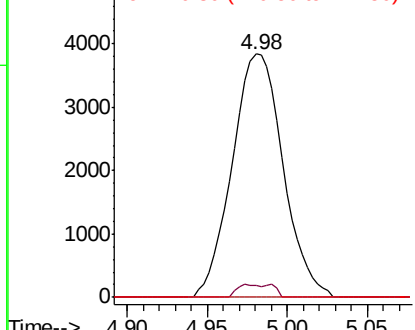
#38
Carbon Tetrachloride
Concen: 6.343 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.16 min
Lab File: VU028760.D
Acq: 18 Dec 2018 08:00

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 8361
Ion Ratio Lower Upper
117 100
119 4.7 77.6 116.4#
121 0.0 24.6 36.8#

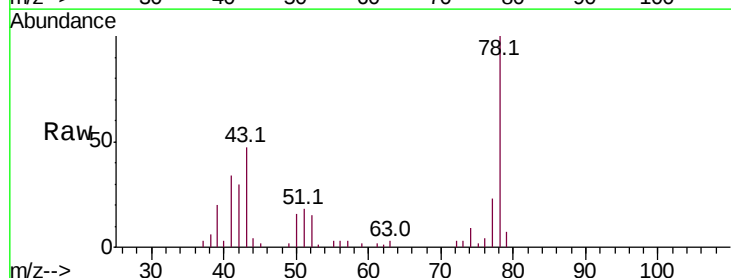


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

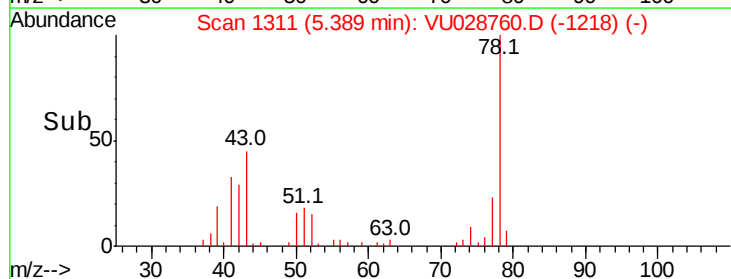
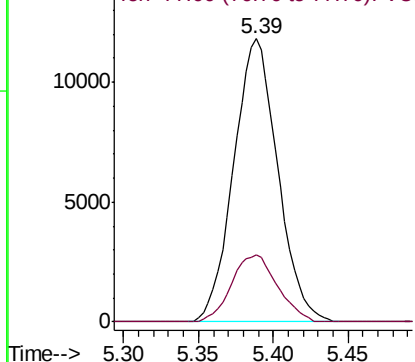


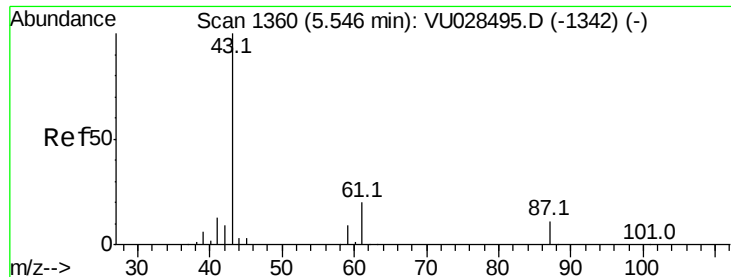
#40
Benzene
Concen: 5.017 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028760.D
Acq: 18 Dec 2018 08:00

Tgt Ion: 78 Resp: 24164
Ion Ratio Lower Upper
78 100
77 23.5 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#43

Isopropyl Acetate

Concen: 27.047 ug/l

RT: 5.35 min Scan# 1300

Delta R.T. -0.19 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

Instrument :

MSVOA_U

ClientSampleId :

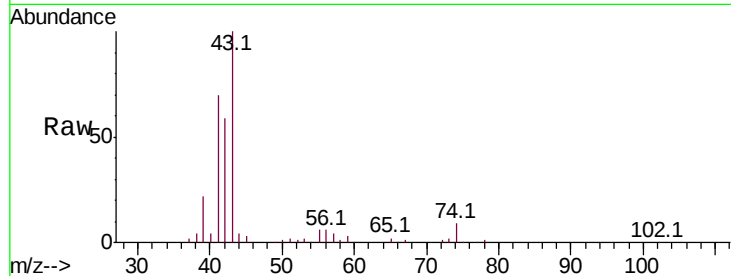
Tot Ion: 43 Resp: 90438

Ion Ratio Lower Upper

43 100

61 0.0 15.5 23.3#

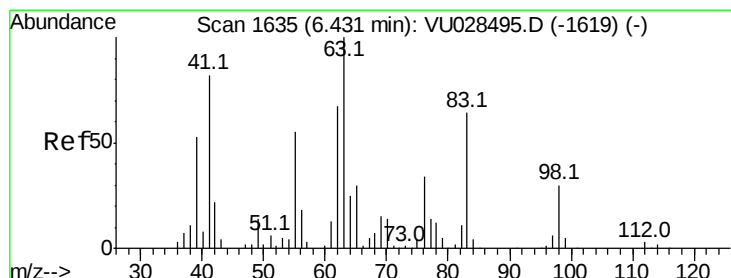
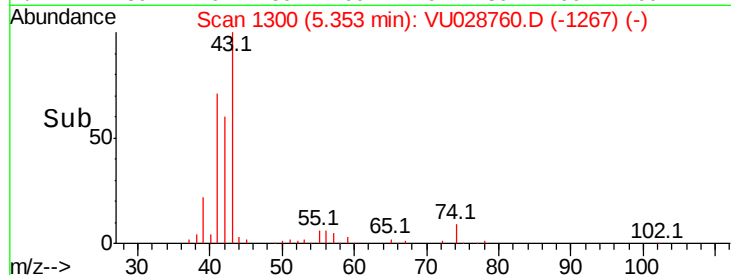
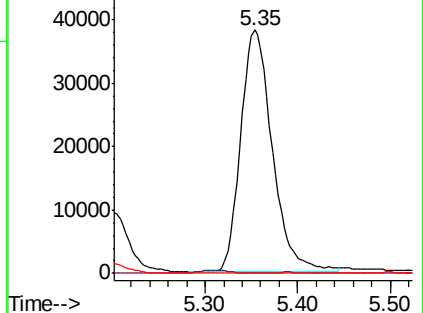
87 0.0 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#45

1,2-Dichloropropane

Concen: 3.195 ug/l

RT: 6.71 min Scan# 1721

Delta R.T. 0.28 min

Lab File: VU028760.D

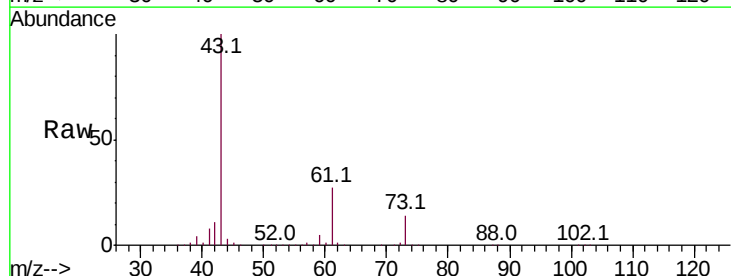
Acq: 18 Dec 2018 08:00

Tgt Ion: 63 Resp: 4328

Ion Ratio Lower Upper

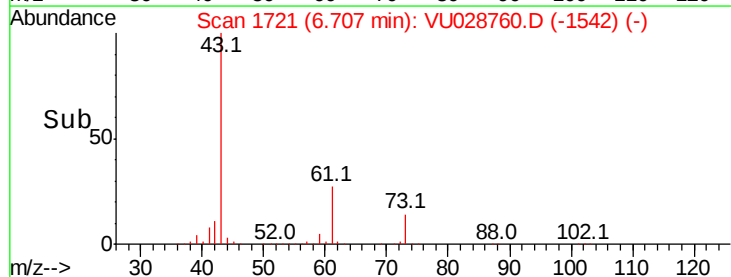
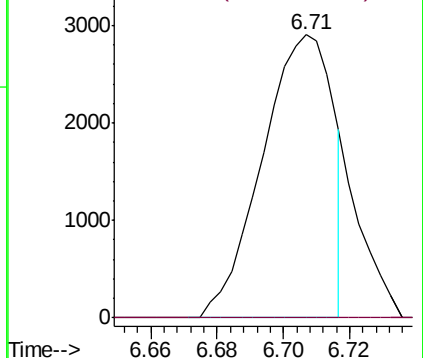
63 100

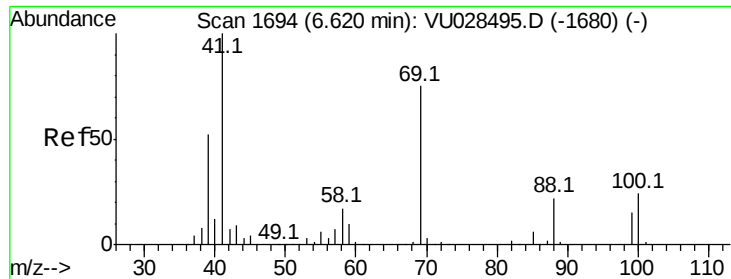
65 0.0 24.2 36.4#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

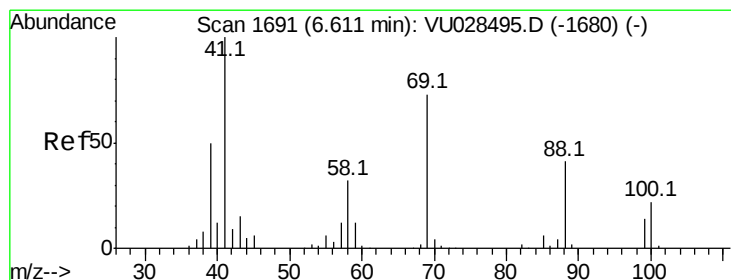
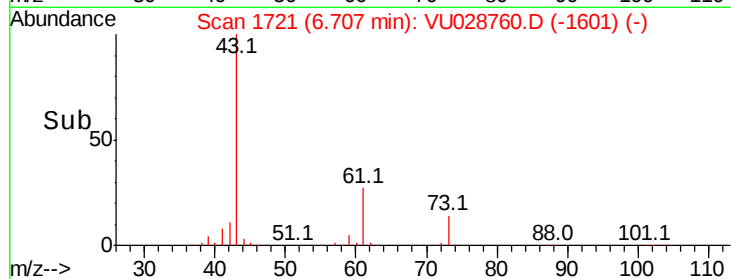
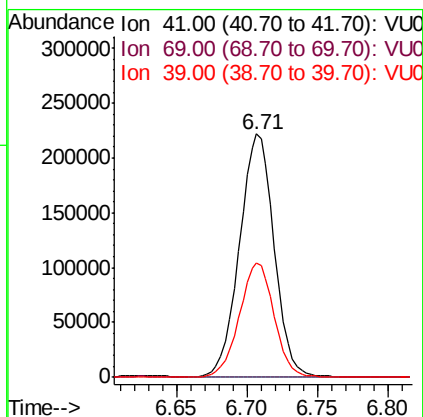
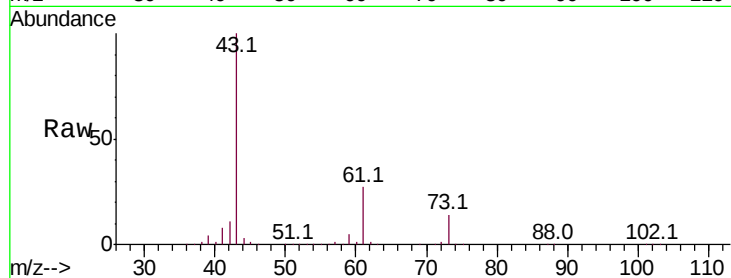




#48
Methvl methacrylate
Concen: 227.859 ug/l
RT: 6.71 min Scan# 1721
Delta R.T. 0.09 min
Lab File: VU028760.D
Acq: 18 Dec 2018 08:00

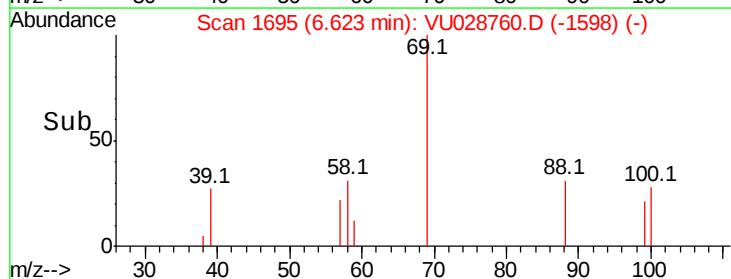
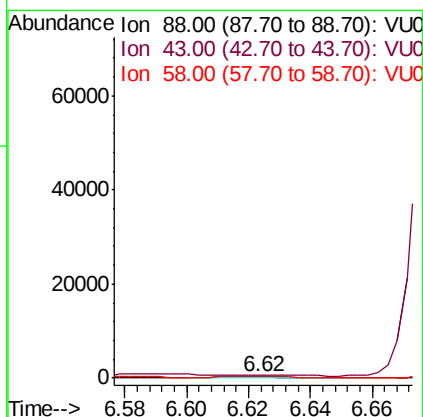
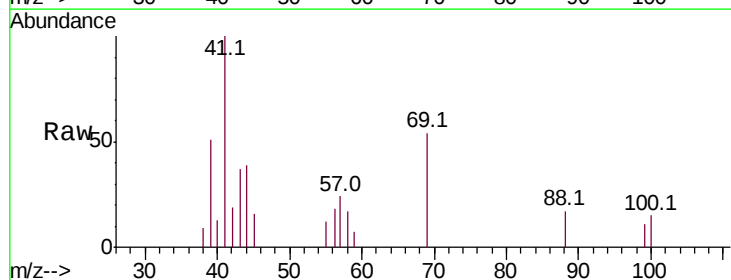
Instrument :
MSVOA_U
ClientSampled :

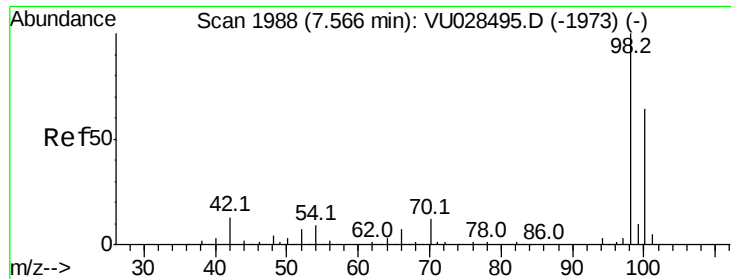
Tot Ion: 41 Resp: 378893
Ion Ratio Lower Upper
41 100
69 0.1 60.4 90.6#
39 47.2 41.1 61.7



#49
1,4-Dioxane
Concen: 18.091 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VU028760.D
Acq: 18 Dec 2018 08:00

Tgt Ion: 88 Resp: 475
Ion Ratio Lower Upper
88 100
43 0.0 30.9 46.3#
58 0.0 62.4 93.6#





#50

Toluene-d8

Concen: 52.066 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

Instrument :

MSVOA_U

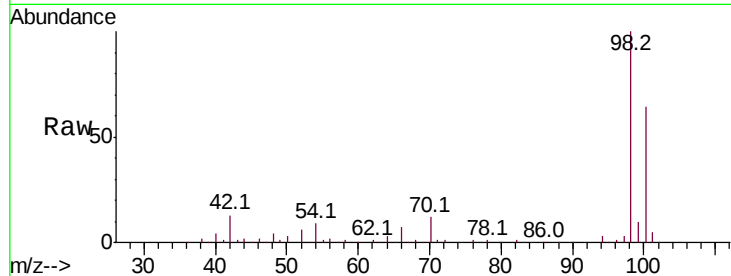
ClientSampled :

Tot Ion: 98 Resp: 193698

Ion Ratio Lower Upper

98 100

100 63.7 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028495.D (-1973) (-)

Ion 100.00 (99.70 to 100.70): VU028495.D (-1973) (-)

7.57

120000

100000

80000

60000

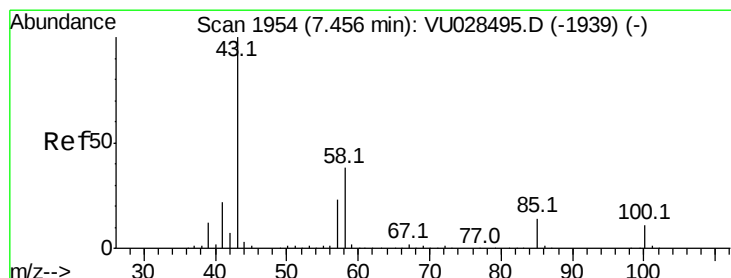
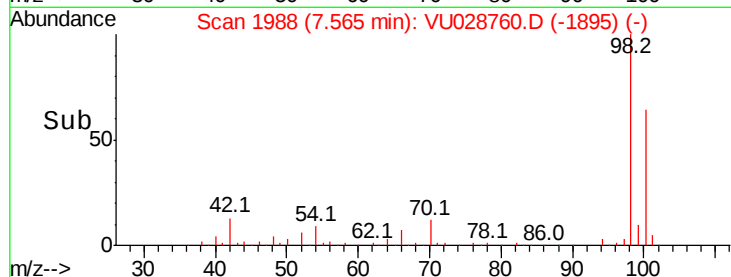
40000

20000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#51

4-Methyl-2-Pentanone

Concen: 17.897 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028760.D

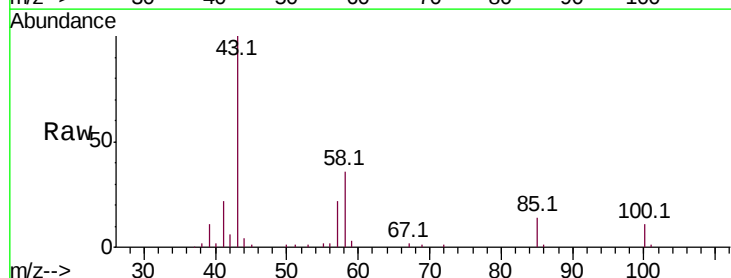
Acq: 18 Dec 2018 08:00

Tgt Ion: 43 Resp: 37744

Ion Ratio Lower Upper

43 100

58 37.5 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)

7.46

25000

20000

15000

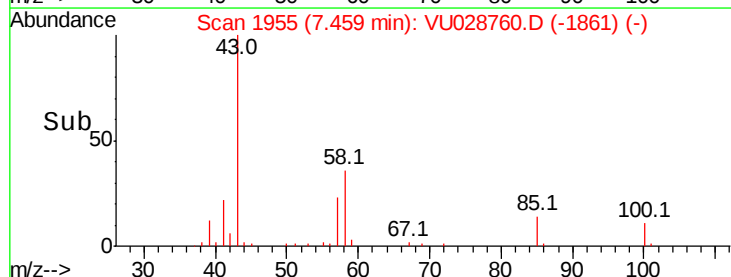
10000

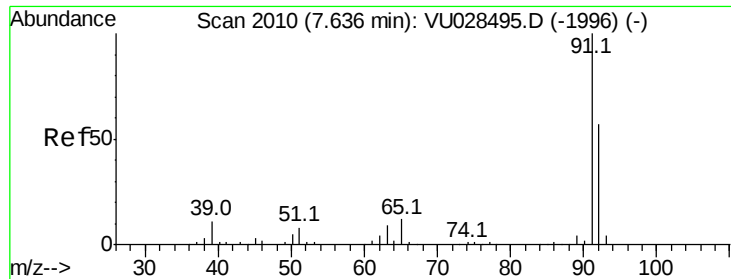
5000

0

7.40 7.45 7.50

Time-->





#52

Toluene

Concen: 55.815 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

Instrument :

MSVOA_U

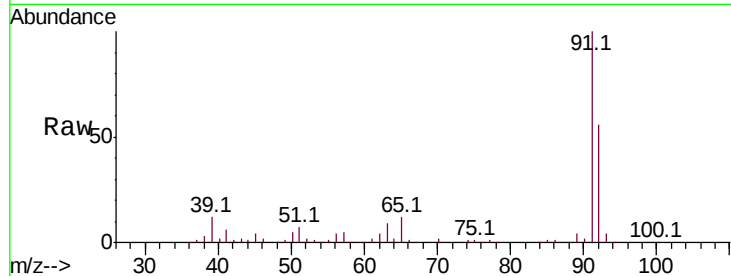
ClientSampleId :

Tot Ion: 92 Resp: 158212

Ion Ratio Lower Upper

92 100

91 175.8 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU028495.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU028495.D (-1996) (-)

150000

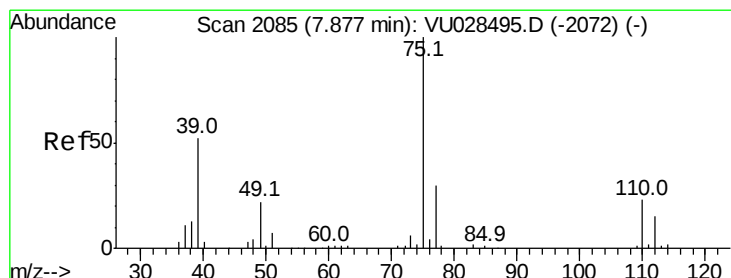
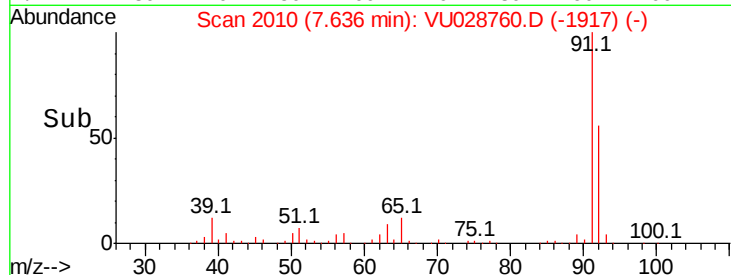
100000

50000

0

7.60 7.64 7.70

Time-->



#53

t-1,3-Dichloropropene

Concen: 3.233 ug/l

RT: 7.80 min Scan# 2060

Delta R.T. -0.08 min

Lab File: VU028760.D

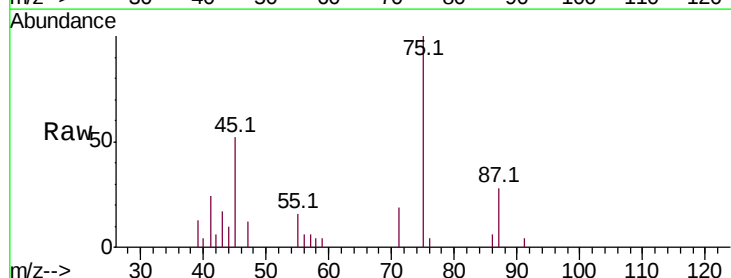
Acq: 18 Dec 2018 08:00

Tgt Ion: 75 Resp: 6022

Ion Ratio Lower Upper

75 100

77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-2072) (-)

Ion 76.90 (76.60 to 77.60): VU028495.D (-2072) (-)

3000

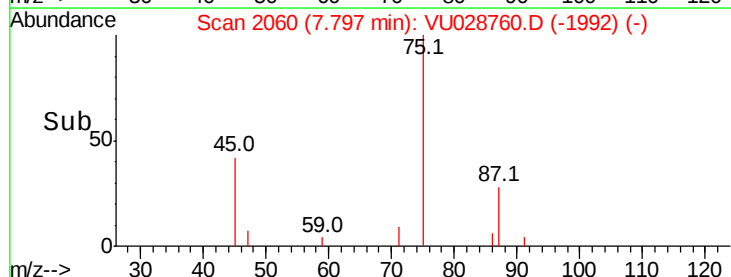
2000

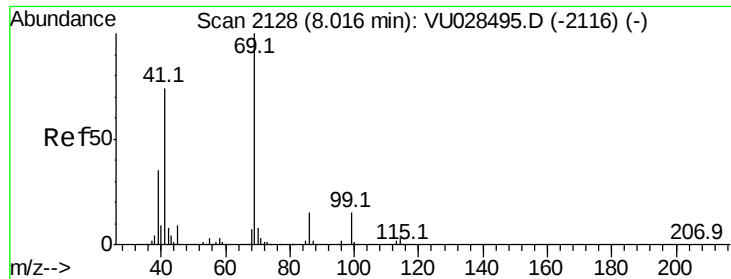
1000

0

7.75 7.80 7.85

Time-->





#56

Ethyl methacrylate

Concen: 0.453 ug/l

RT: 7.92 min Scan# 2097

Delta R.T. -0.10 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

Instrument :
MSVOA_U
ClientSampleId :

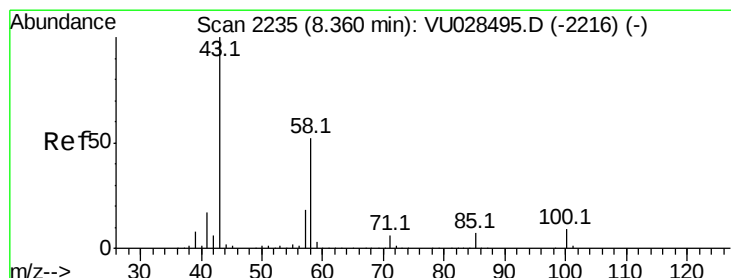
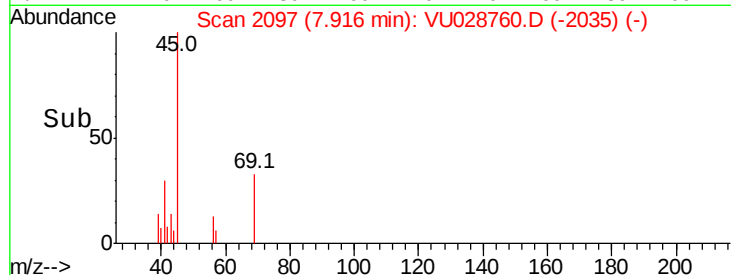
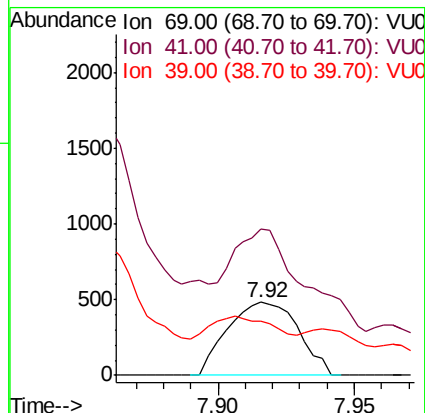
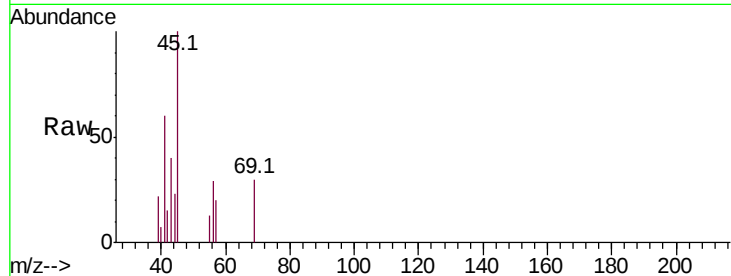
Tot Ion: 69 Resp: 869

Ion Ratio Lower Upper

69 100

41 144.1 59.1 88.7#

39 0.0 28.4 42.6#



#59

2-Hexanone

Concen: 7285.721 ug/l

RT: 8.53 min Scan# 2289

Delta R.T. 0.17 min

Lab File: VU028760.D

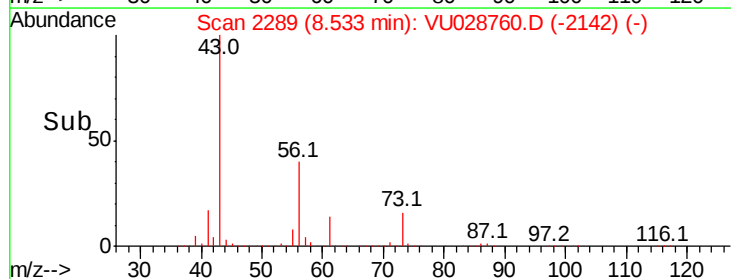
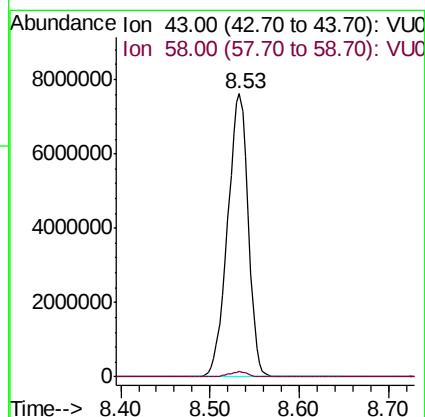
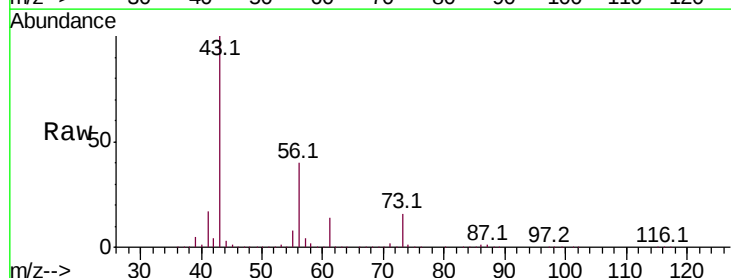
Acq: 18 Dec 2018 08:00

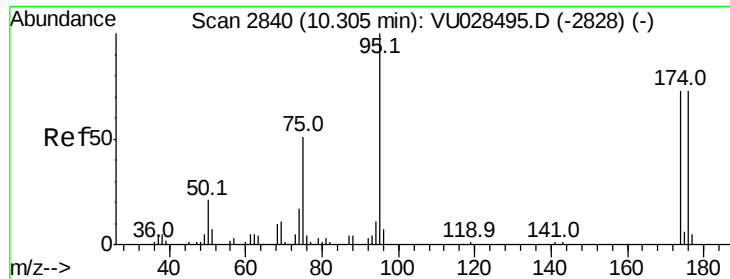
Tgt Ion: 43 Resp: 12178409

Ion Ratio Lower Upper

43 100

58 1.8 25.9 77.6#





#62

4-Bromofluorobenzene

Concen: 49.475 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

Instrument :

MSVOA_U

ClientSampled :

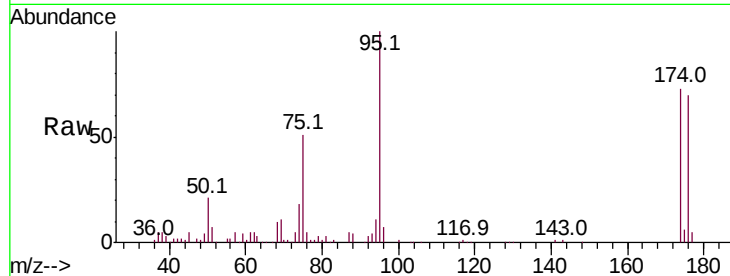
Tot Ion: 95 Resp: 68795

Ion Ratio Lower Upper

95 100

174 74.1 0.0 150.4

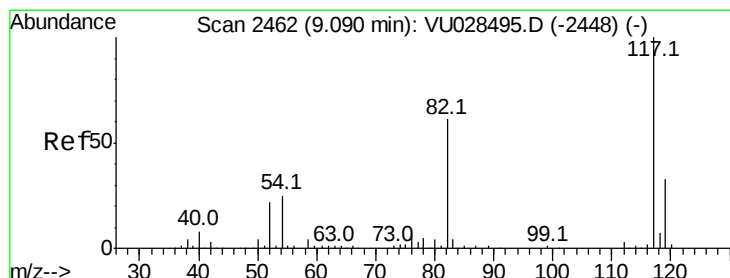
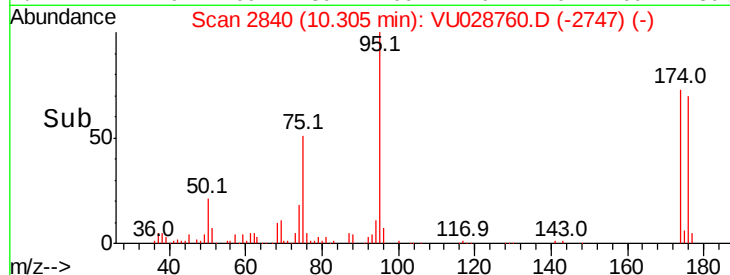
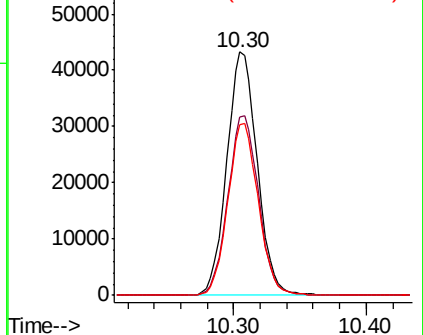
176 70.6 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

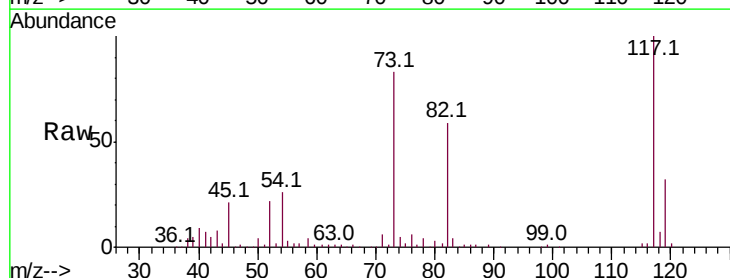
Tgt Ion: 117 Resp: 136530

Ion Ratio Lower Upper

117 100

82 59.3 48.9 73.3

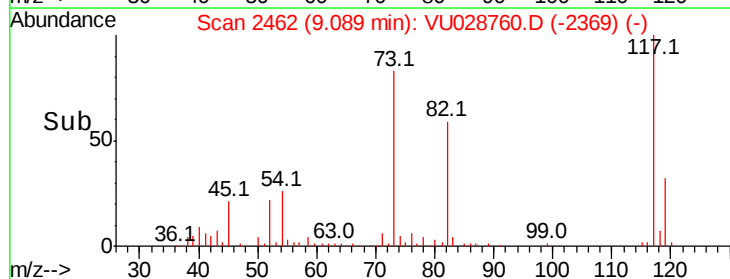
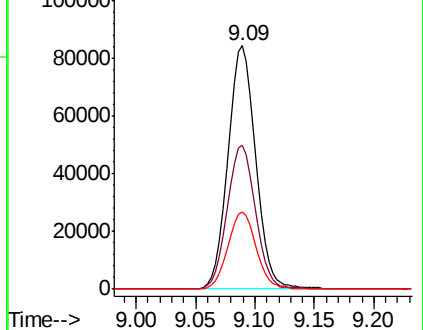
119 31.6 26.2 39.4

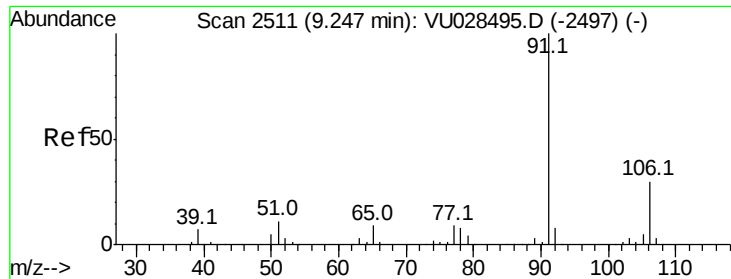


Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

Ion 82.00 (81.70 to 82.70): VU028495.D (-2448) (-)

Ion 118.90 (118.60 to 119.60): VU028495.D (-2448) (-)

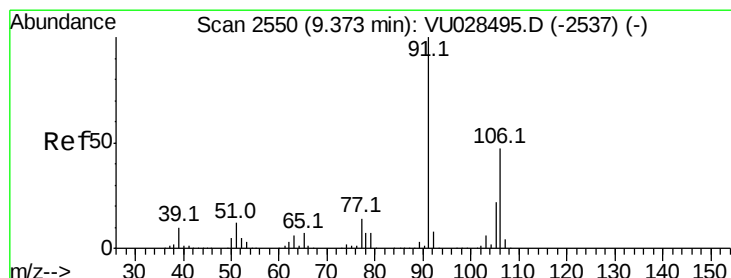
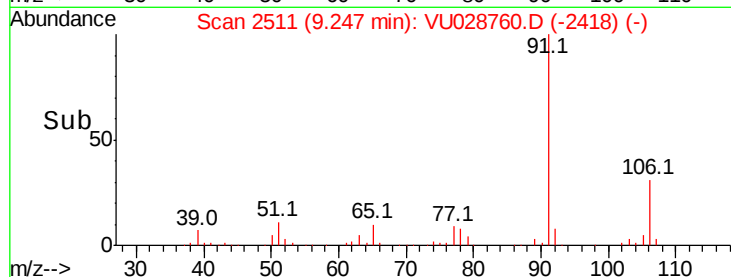
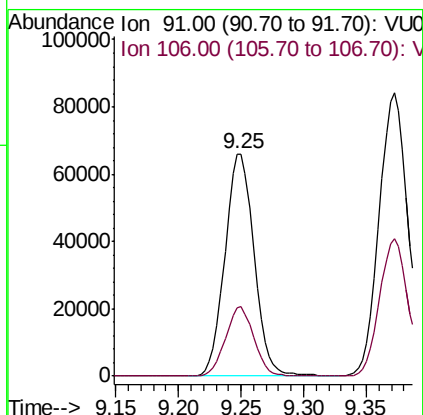
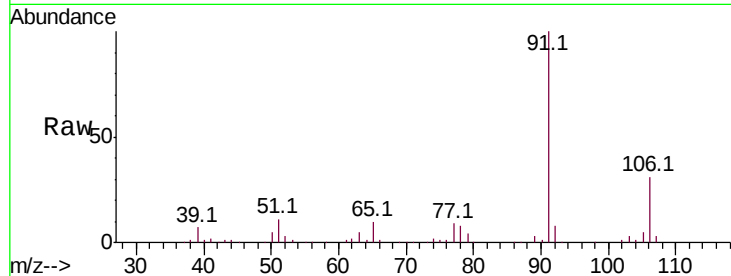




#67
Ethyl Benzene
Concen: 20.015 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028760.D
Acq: 18 Dec 2018 08:00

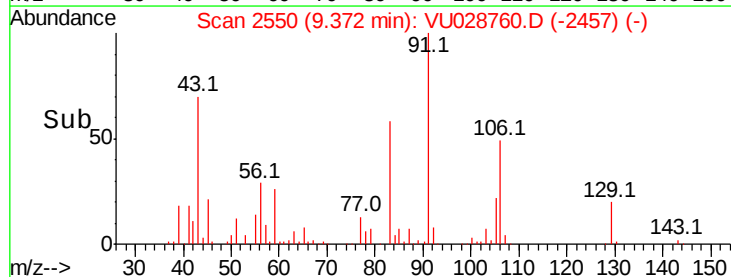
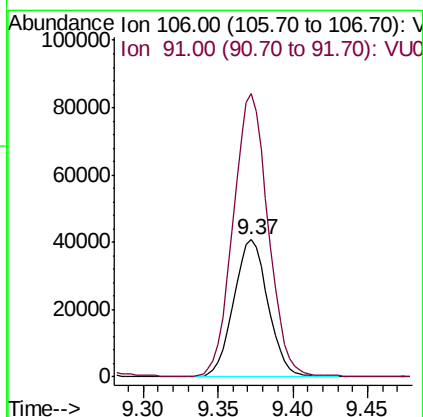
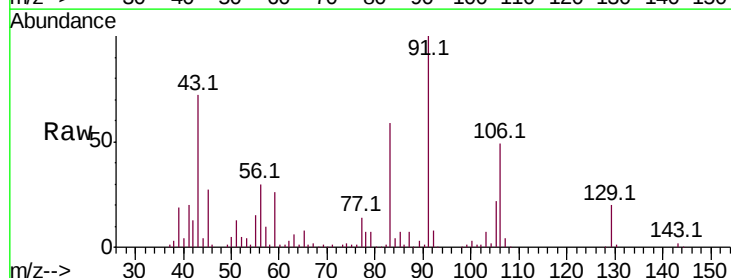
Instrument :
MSVOA_U
ClientSampled :

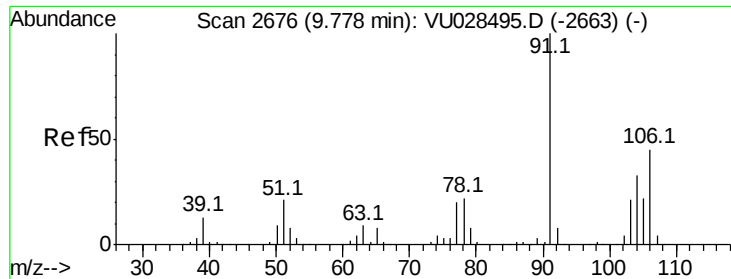
Tot Ion: 91 Resp: 107048
Ion Ratio Lower Upper
91 100
106 30.8 24.1 36.1



#68
m/p-Xylenes
Concen: 33.684 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028760.D
Acq: 18 Dec 2018 08:00

Tgt Ion: 106 Resp: 65552
Ion Ratio Lower Upper
106 100
91 209.2 167.4 251.0

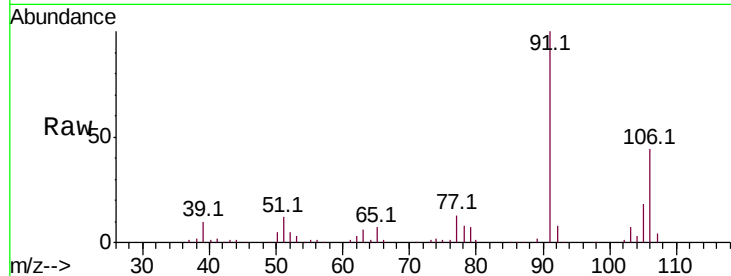




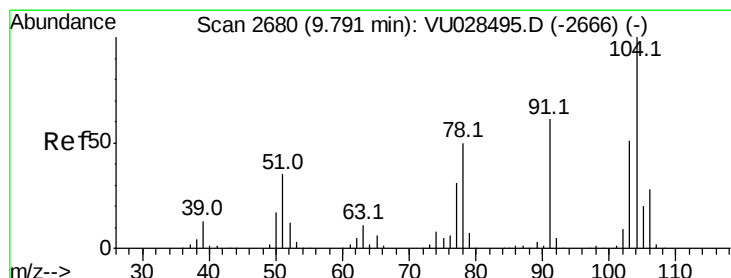
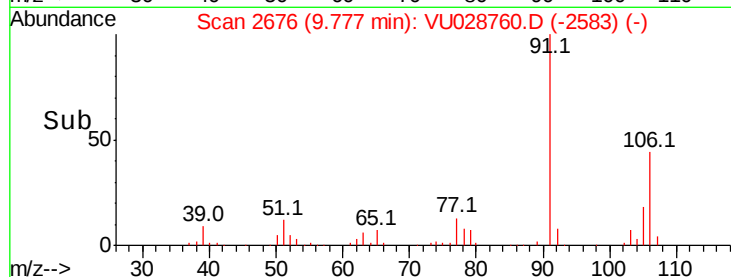
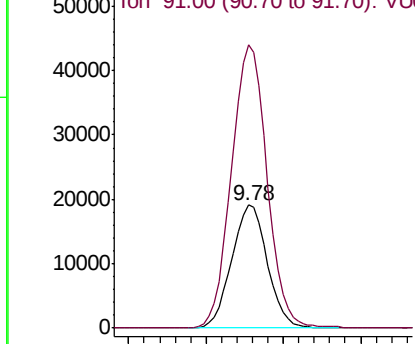
#69
o-Xylene
Concen: 16.105 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028760.D
Acq: 18 Dec 2018 08:00

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 30458
Ion Ratio Lower Upper
106 100
91 230.6 111.3 334.0

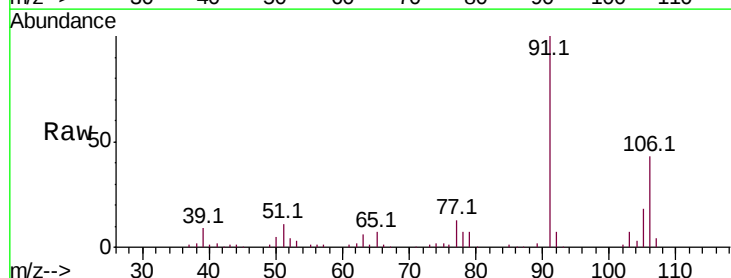


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

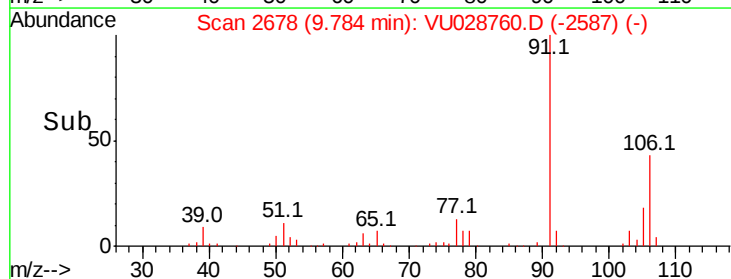
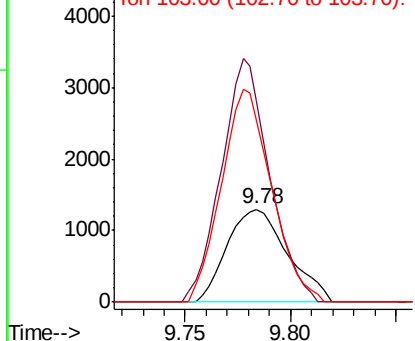


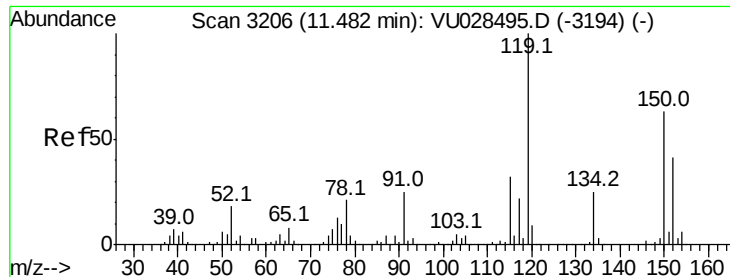
#70
Styrene
Concen: 0.823 ug/l
RT: 9.78 min Scan# 2678
Delta R.T. -0.01 min
Lab File: VU028760.D
Acq: 18 Dec 2018 08:00

Tgt Ion:104 Resp: 2577
Ion Ratio Lower Upper
104 100
78 210.2 43.0 64.6#
103 190.3 44.2 66.4#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

Instrument :

MSVOA_U

ClientSampleId :

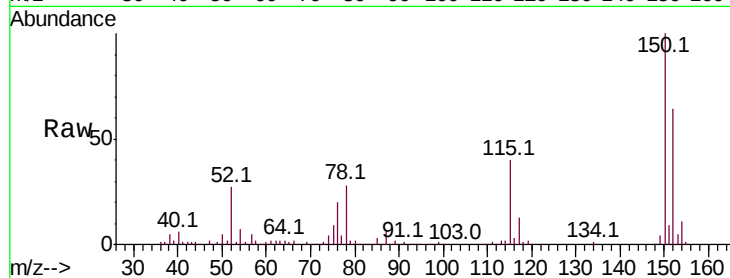
Tot Ion:152 Resp: 61088

Ion Ratio Lower Upper

152 100

115 61.2 42.7 128.1

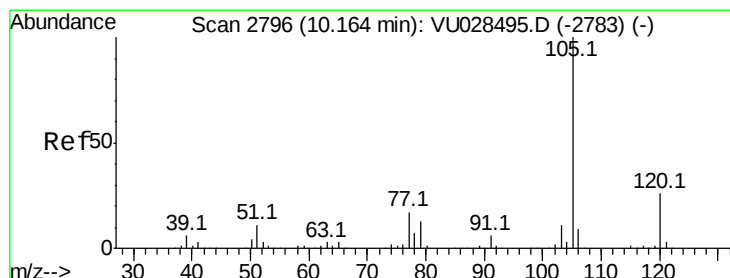
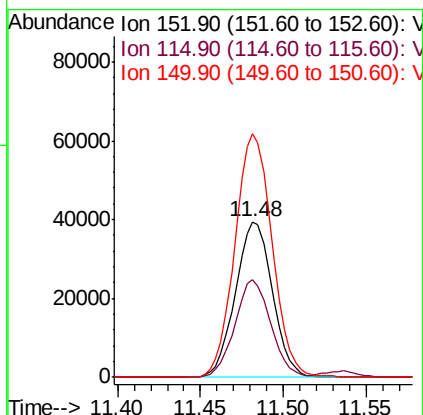
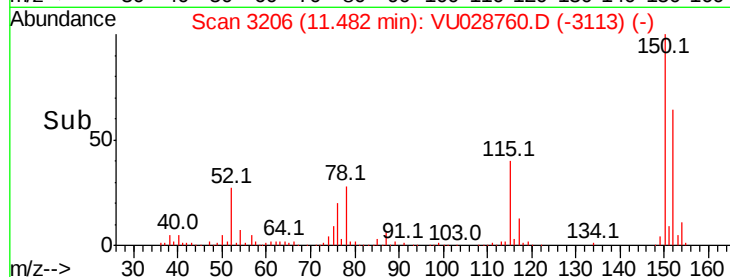
150 157.8 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.224 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028760.D

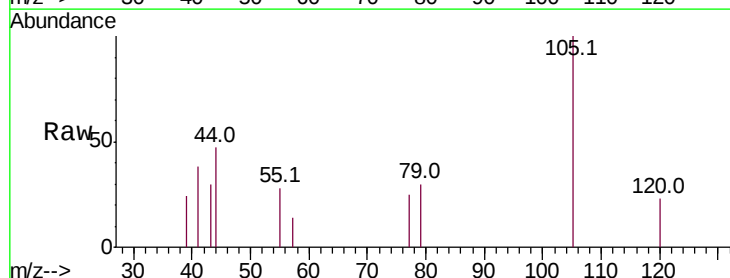
Acq: 18 Dec 2018 08:00

Tgt Ion:105 Resp: 1048

Ion Ratio Lower Upper

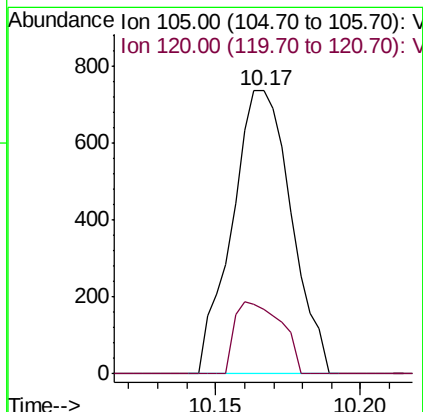
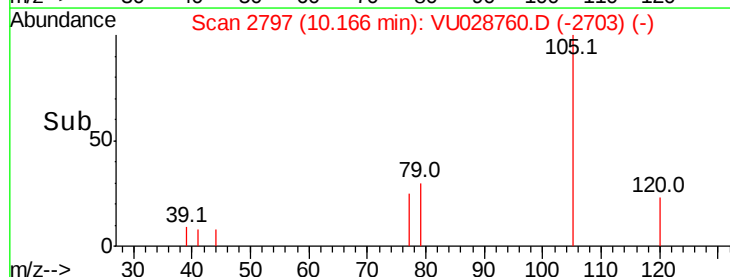
105 100

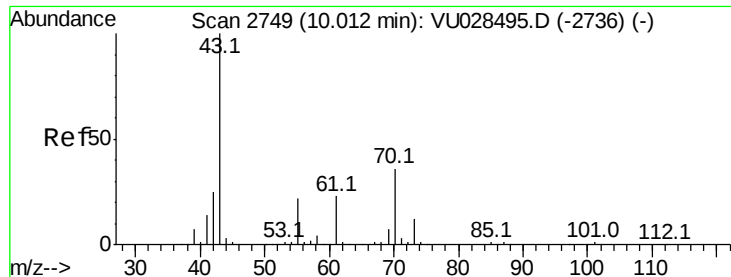
120 20.0 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.615 ug/l

RT: 10.03 min Scan# 2754

Delta R.T. 0.02 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 43 Resp: 1663

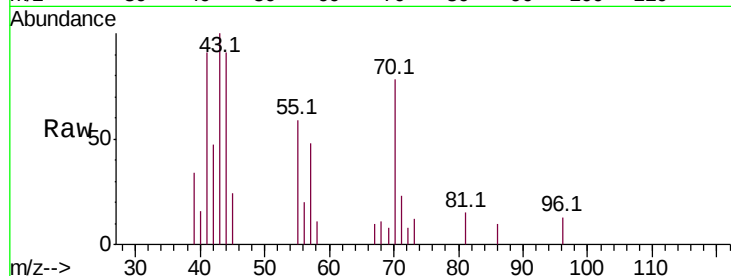
Ion Ratio Lower Upper

43 100

70 101.5 29.3 43.9#

55 0.0 18.0 27.0#

61 0.0 18.3 27.5#

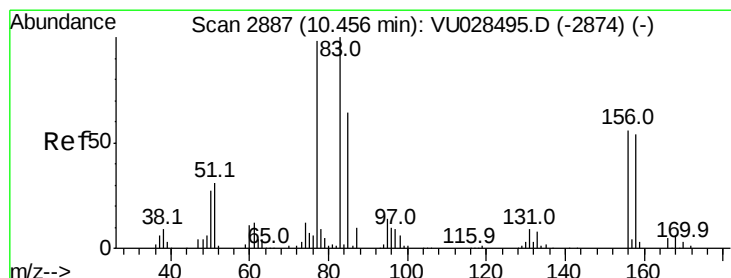
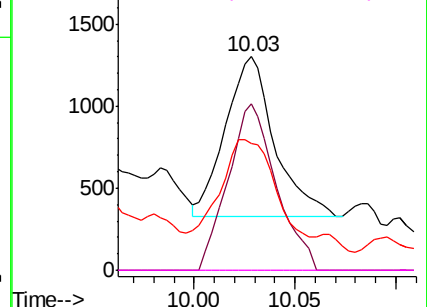
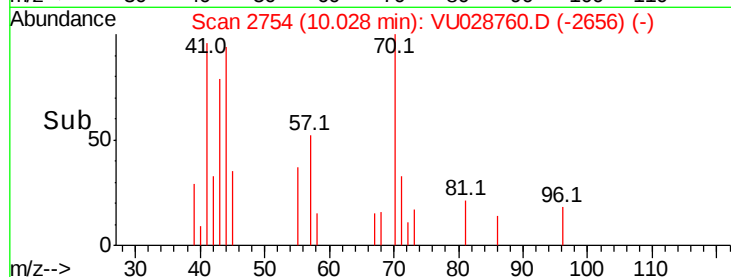


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#75

1,1,2,2-Tetrachloroethane

Concen: 10.177 ug/l

RT: 10.40 min Scan# 2869

Delta R.T. -0.06 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

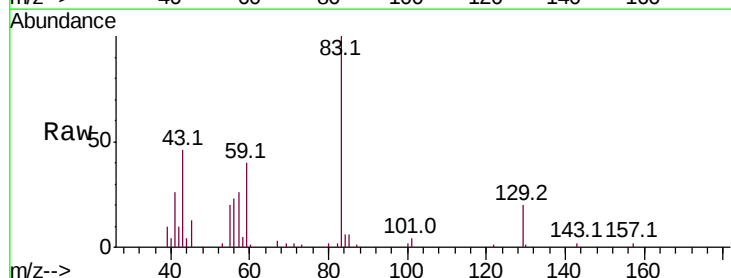
Tgt Ion: 83 Resp: 18325

Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.4#

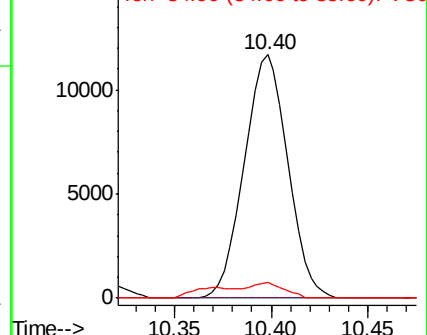
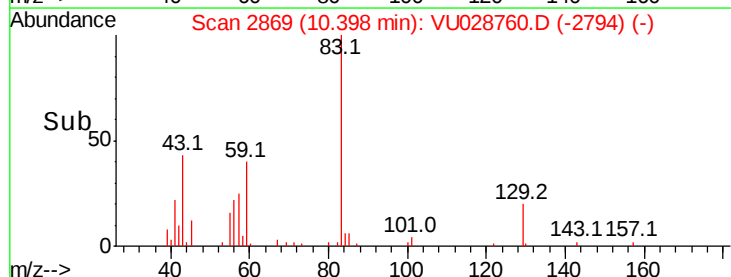
85 5.3 31.8 95.4#

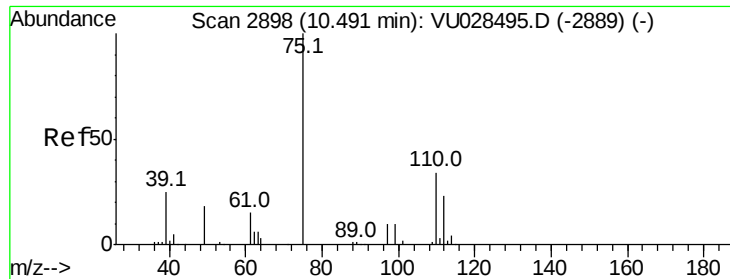


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0





#76

1,2,3-Trichloropropane

Concen: 22.750 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028760.D

Acq: 18 Dec 2018 08:00

Instrument :

MSVOA_U

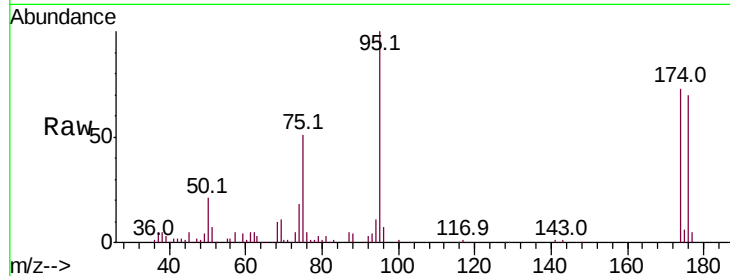
ClientSampleId :

Tot Ion: 75 Resp: 35487

Ion Ratio Lower Upper

75 100

77 0.9 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.30

25000

20000

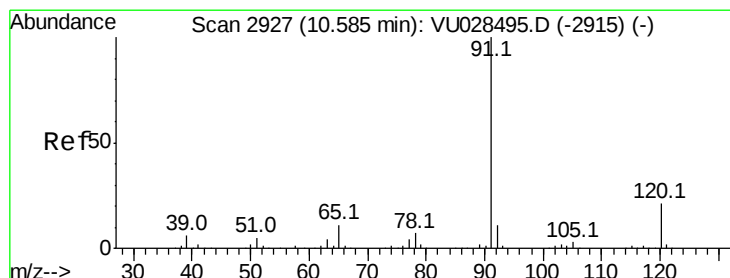
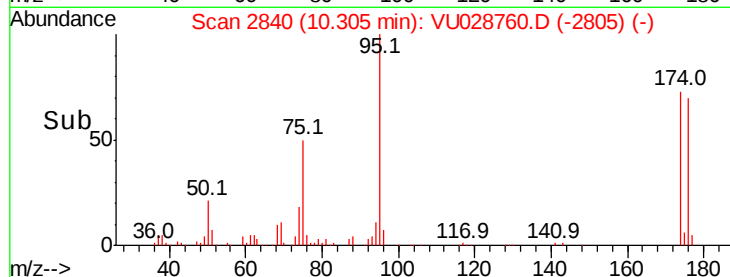
15000

10000

5000

0

Time-->



#78

n-propylbenzene

Concen: 0.410 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028760.D

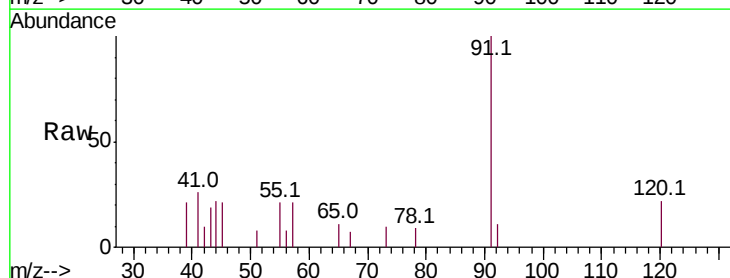
Acq: 18 Dec 2018 08:00

Tgt Ion: 91 Resp: 2387

Ion Ratio Lower Upper

91 100

120 20.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

10.59

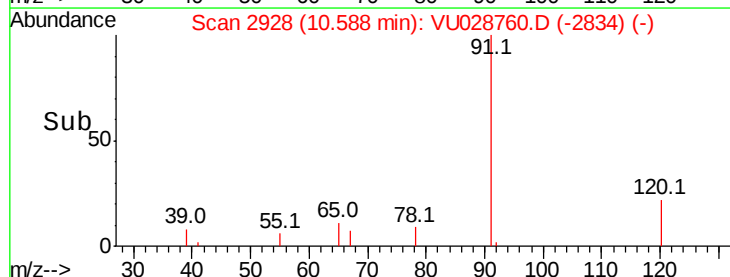
1500

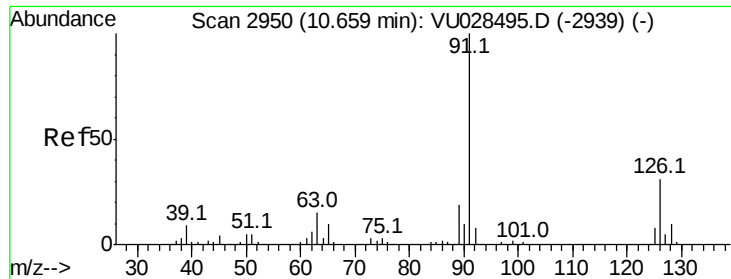
1000

500

0

Time-->

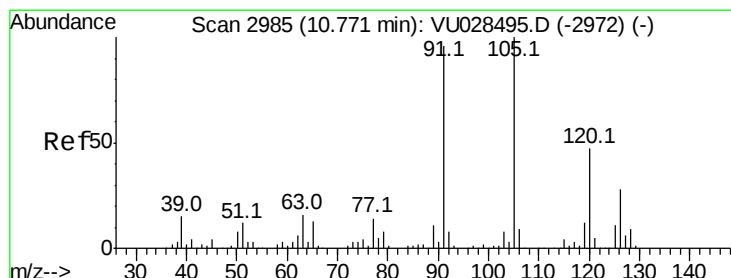
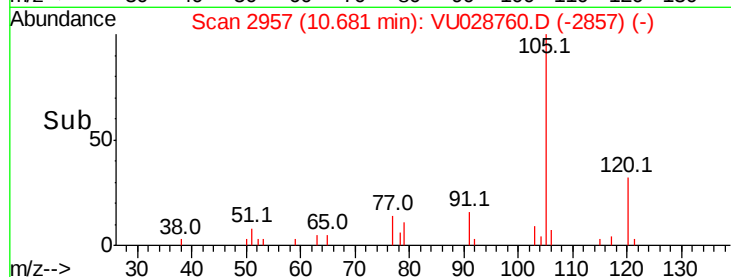
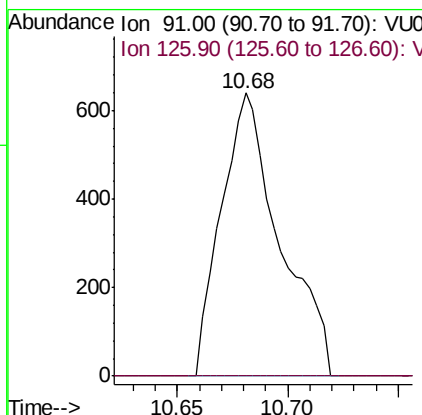
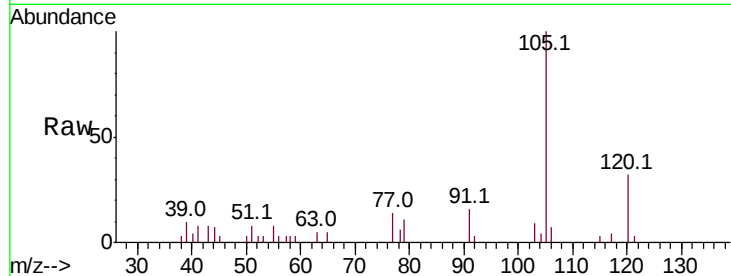




#79
 2-Chlorotoluene
 Concen: 0.351 ug/l
 RT: 10.68 min Scan# 2957
 Delta R.T. 0.02 min
 Lab File: VU028760.D
 Acq: 18 Dec 2018 08:00

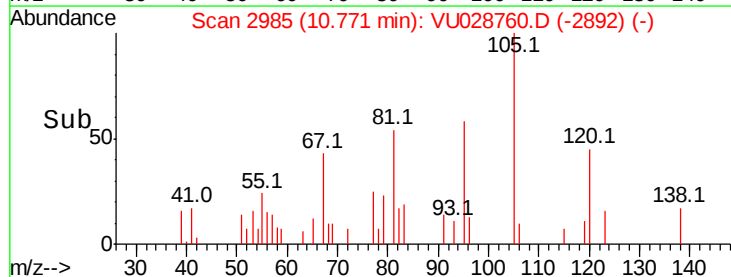
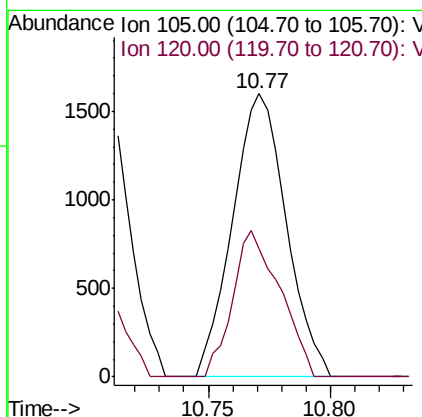
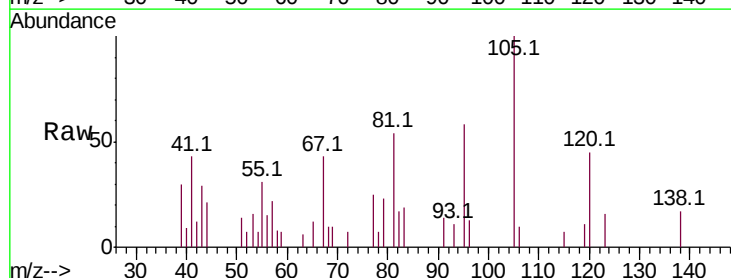
Instrument :
 MSVOA_U
 ClientSampled :

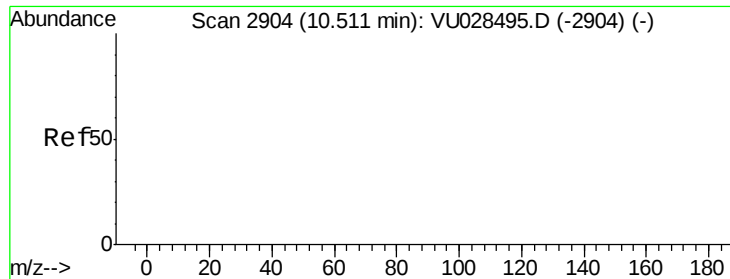
Tot Ion: 91 Resp: 1176
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.6 46.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.629 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028760.D
 Acq: 18 Dec 2018 08:00

Tgt Ion:105 Resp: 2441
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.7 71.1

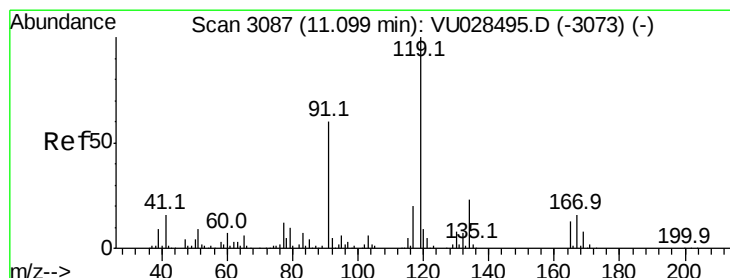
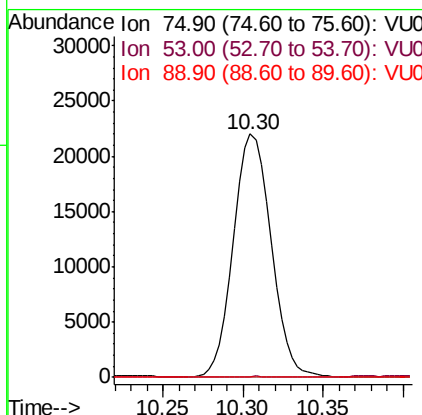
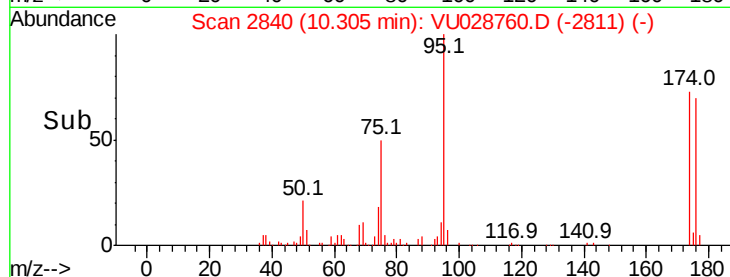
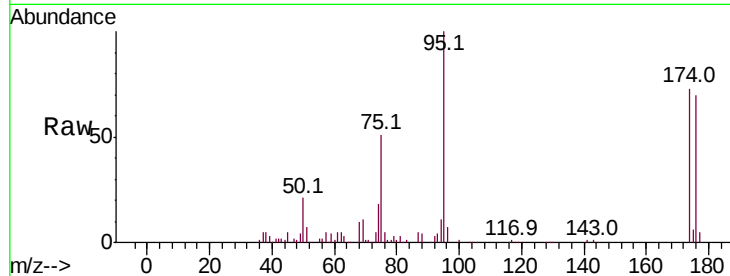




#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.872 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.21 min
 Lab File: VU028760.D
 Acq: 18 Dec 2018 08:00

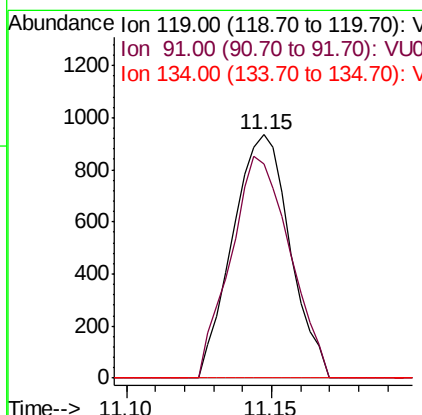
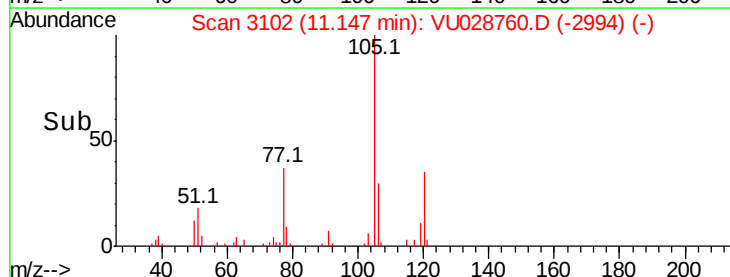
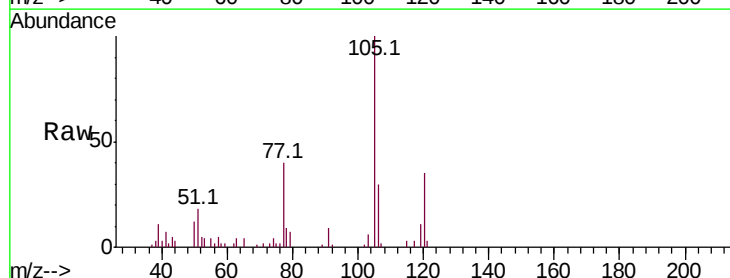
Instrument :
 MSVOA_U
 ClientSampled :

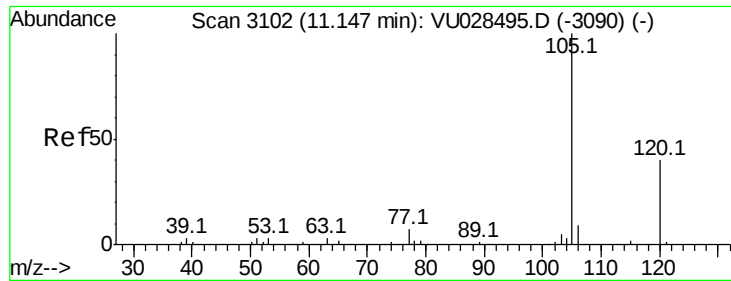
Tot Ion: 75 Resp: 35487
 Ion Ratio Lower Upper
 75 100
 53 0.1 0.0 0.0#
 89 0.0 0.0 0.0



#83
 tert-Butylbenzene
 Concen: 0.344 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.05 min
 Lab File: VU028760.D
 Acq: 18 Dec 2018 08:00

Tgt Ion: 119 Resp: 1287
 Ion Ratio Lower Upper
 119 100
 91 94.0 30.3 91.0#
 134 0.0 11.2 33.5#

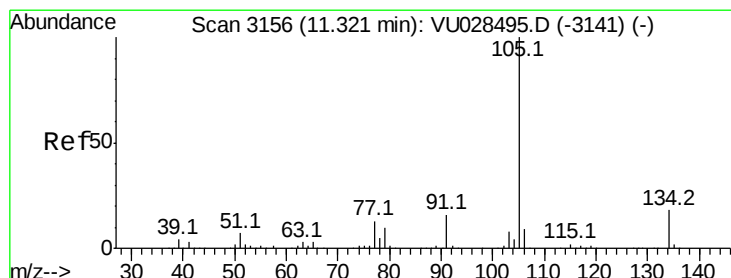
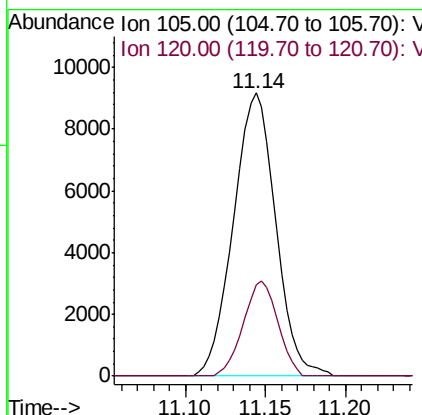
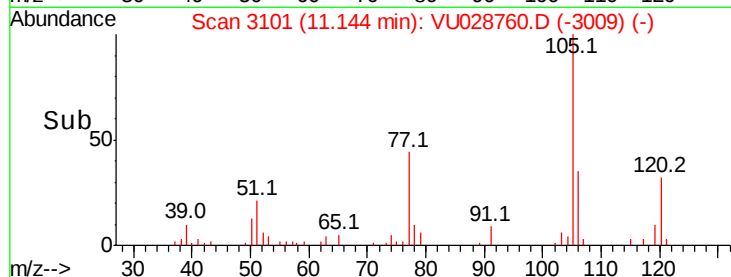
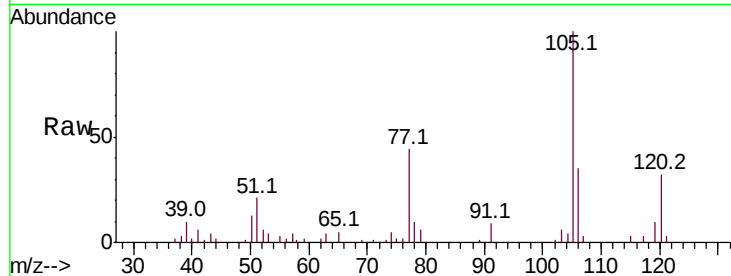




#84
 1,2,4-Trimethylbenzene
 Concen: 4.135 ug/l
 RT: 11.14 min Scan# 3101
 Delta R.T. -0.00 min
 Lab File: VU028760.D
 Acq: 18 Dec 2018 08:00

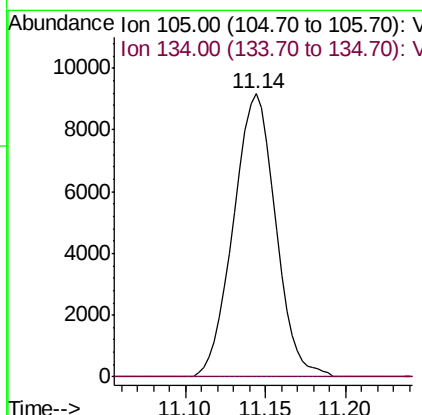
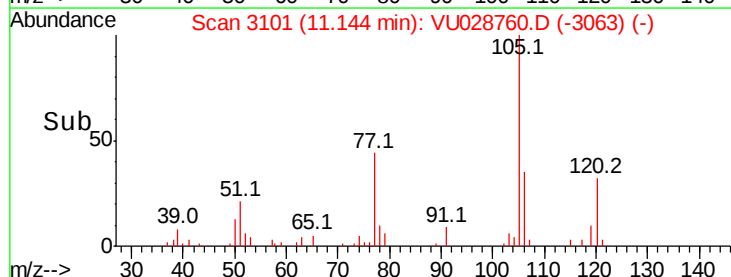
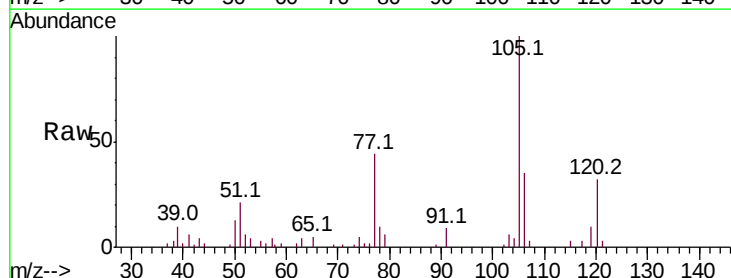
Instrument :
 MSVOA_U
 ClientSampleId :

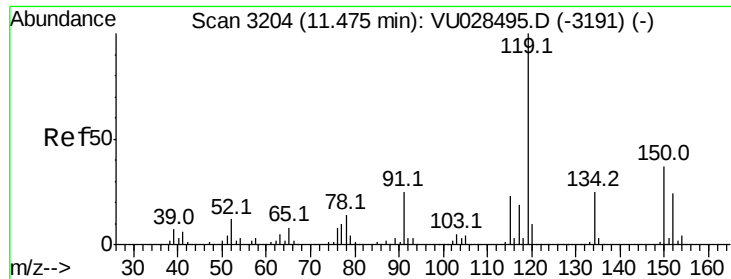
Tot Ion:105 Resp: 16535
 Ion Ratio Lower Upper
 105 100
 120 27.5 21.8 65.4



#85
 sec-Butylbenzene
 Concen: 3.441 ug/l
 RT: 11.14 min Scan# 3101
 Delta R.T. -0.18 min
 Lab File: VU028760.D
 Acq: 18 Dec 2018 08:00

Tgt Ion:105 Resp: 16535
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.2 27.6#

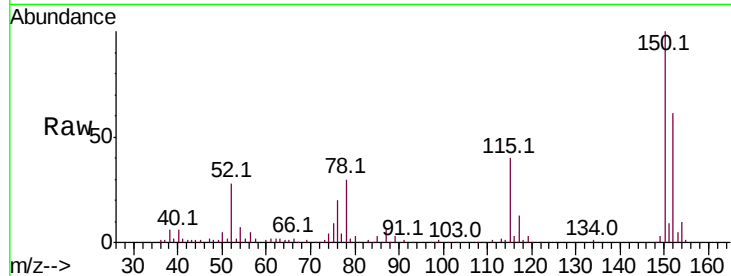




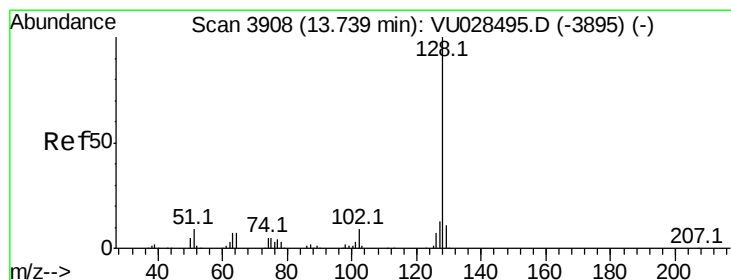
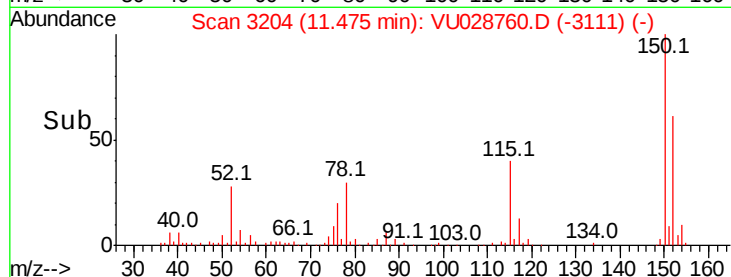
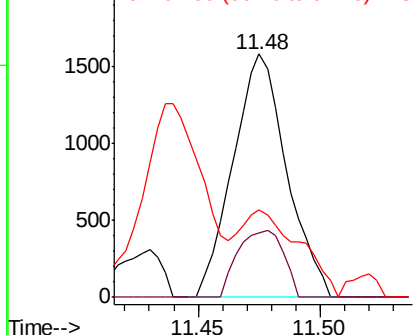
#86
 p-Isopropyltoluene
 Concen: 0.591 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028760.D
 Acq: 18 Dec 2018 08:00

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:119 Resp: 2413
 Ion Ratio Lower Upper
 119 100
 134 23.3 12.7 38.1
 91 40.2 12.6 37.6#

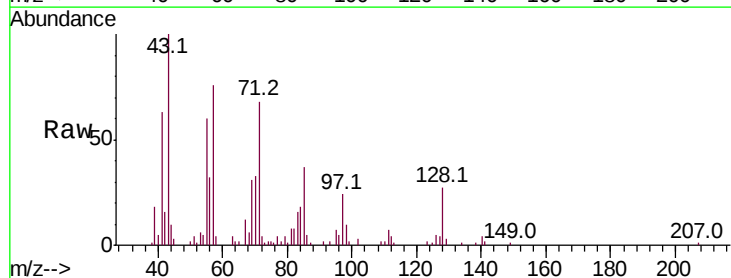


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V



#95
 Naphthalene
 Concen: 0.907 ug/l
 RT: 13.74 min Scan# 3909
 Delta R.T. 0.00 min
 Lab File: VU028760.D
 Acq: 18 Dec 2018 08:00

Tgt Ion:128 Resp: 4508
 Ion Ratio Lower Upper
 128 100
 127 16.3 10.4 15.6#
 129 10.2 8.6 13.0



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

