

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028647.D
 Acq On : 12 Dec 2018 13:09
 Operator : MD/SY
 Sample : J6305-01DL 4X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01DL

Quant Time: Dec 13 00:47:28 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	106076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	190407	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	171504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71047	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	81639	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
35) Dibromofluoromethane	4.88	113	62814	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
50) Toluene-d8	7.56	98	242124	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	10.30	95	83239	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	

Target Compounds

						Qvalue
3) Chloromethane	1.33	50	1948	0.745	ug/l	97
4) Vinyl Chloride	1.29	62	1774	0.940	ug/l #	1
7) Trichlorofluoromethane	1.88	101	767	0.386	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.08	101	3143	2.648	ug/l #	20
11) Tert butyl alcohol	2.83	59	4522	12.538	ug/l #	91
13) Acrolein	2.19	56	214	0.744	ug/l #	1
14) Allyl chloride	2.55	41	4206	1.505	ug/l #	45
15) Acrylonitrile	2.94	53	338	0.338	ug/l #	86
16) Acetone	2.32	43	35438	33.548	ug/l	99
18) Methyl Acetate	2.62	43	3417	1.248	ug/l #	85
25) 2-Butanone	4.27	43	29873	20.694	ug/l	100
29) Tetrahydrofuran	4.64	42	9143	9.862	ug/l	97
31) Cyclohexane	4.99	56	4178	0.316	ug/l #	26
36) 1,1-Dichloropropene	4.98	75	8811	4.229	ug/l #	50
37) Ethyl Acetate	4.27	43	29873	11.091	ug/l #	70
38) Carbon Tetrachloride	4.98	117	10413	6.201	ug/l #	15
40) Benzene	5.39	78	54851	8.938	ug/l	98
41) Methacrylonitrile	4.57	41	1100	0.746	ug/l #	50
42) 1,2-Dichloroethane	5.39	62	513	0.239	ug/l #	76
49) 1,4-Dioxane	6.62	88	438	13.093	ug/l #	59
51) 4-Methyl-2-Pentanone	7.46	43	14129	5.258	ug/l	97
52) Toluene	7.64	92	123027	34.065	ug/l	99
53) t-1,3-Dichloropropene	7.63	75	1344	0.566	ug/l #	1
56) Ethyl methacrylate	7.91	69	2655	1.086	ug/l #	74
59) 2-Hexanone	8.37	43	2401	1.127	ug/l	95
67) Ethyl Benzene	9.25	91	46819	6.969	ug/l	100
68) m/p-Xylenes	9.37	106	47075	19.257	ug/l	100
69) o-Xylene	9.78	106	25624	10.786	ug/l	98
70) Styrene	9.79	104	21305	5.419	ug/l	89
73) Isopropylbenzene	10.17	105	3499	0.642	ug/l	99
76) 1,2,3-Trichloropropane	10.30	75	42431	23.388	ug/l #	35
78) n-propylbenzene	10.59	91	5106	0.754	ug/l	99
79) 2-Chlorotoluene	10.68	91	3715	0.952	ug/l #	43
80) 1,3,5-Trimethylbenzene	10.77	105	9591	2.125	ug/l	100

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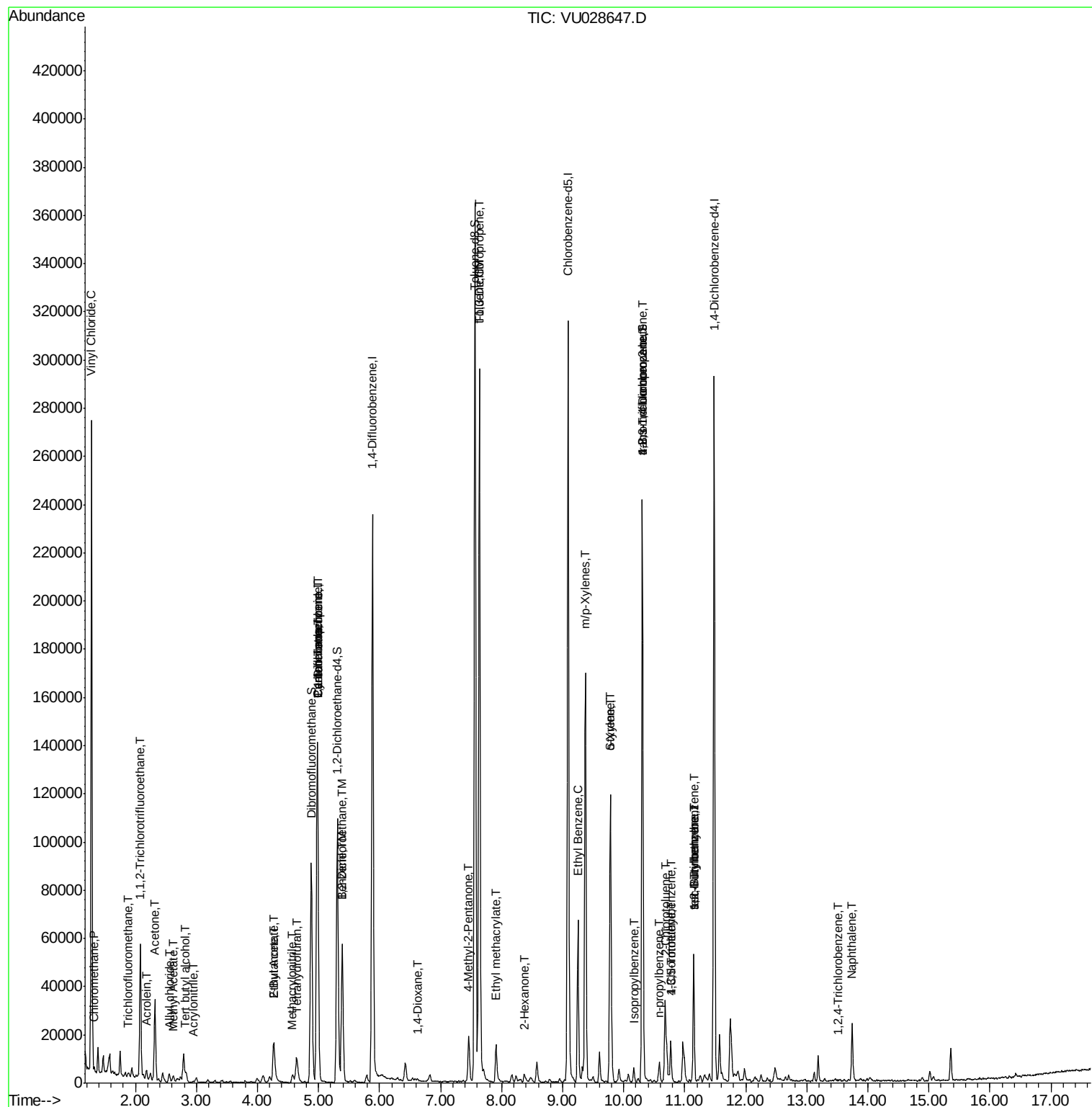
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	10.30	75	42431	57.426	ug/l #	100
82) 4-Chlorotoluene	10.77	91	1145	0.248	ug/l #	47
83) tert-Butylbenzene	11.15	119	3424	0.787	ug/l #	60
84) 1,2,4-Trimethylbenzene	11.15	105	28004	6.021	ug/l	99
85) sec-Butylbenzene	11.15	105	28004	5.012	ug/l #	59
93) 1,2,4-Trichlorobenzene	13.51	180	172	0.946	ug/l #	12
95) Naphthalene	13.74	128	19726	3.413	ug/l	98

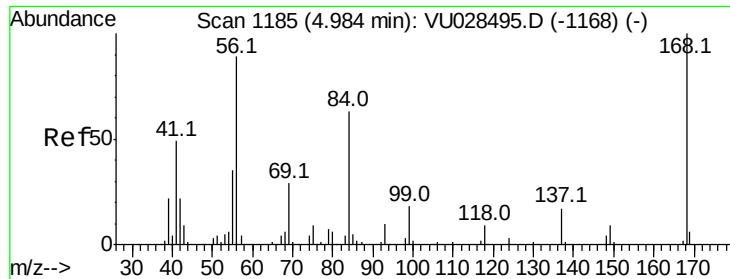
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

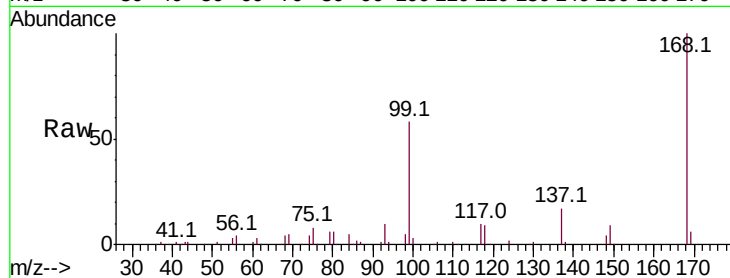
P001-SW001-01DL

Tot Ion:168 Resp: 106076

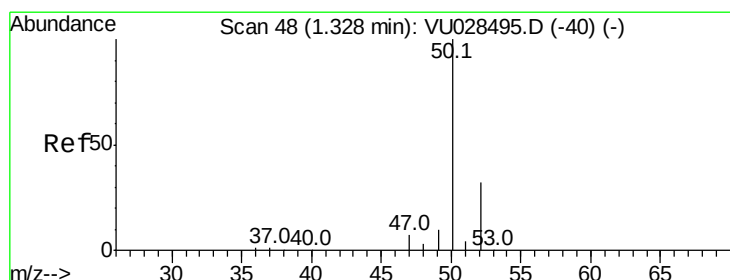
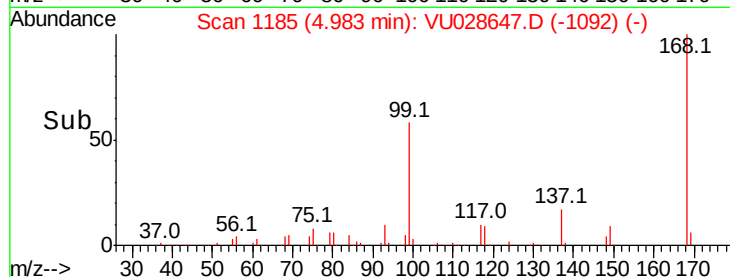
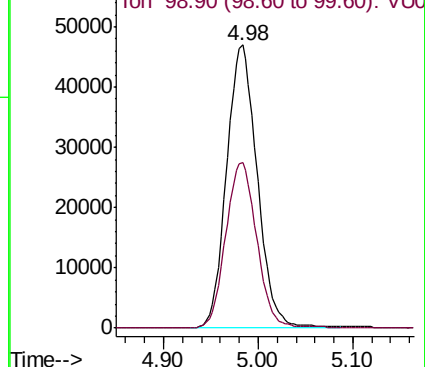
Ion Ratio Lower Upper

168 100

99 58.4 46.6 69.8



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



#3

Chloromethane

Concen: 0.745 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028647.D

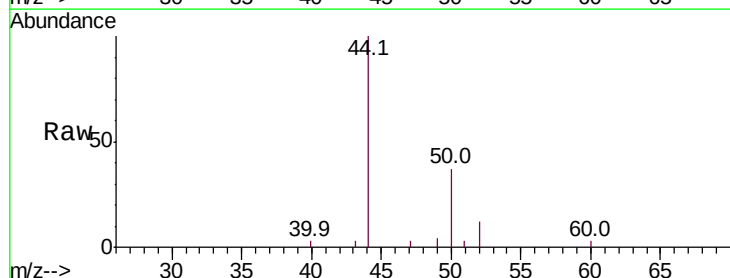
Acq: 12 Dec 2018 13:09

Tgt Ion: 50 Resp: 1948

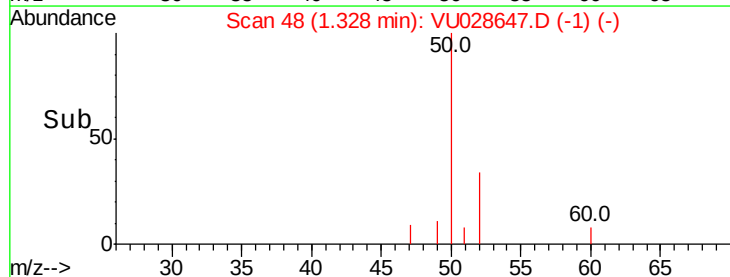
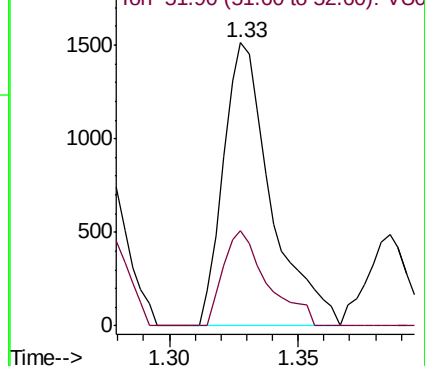
Ion Ratio Lower Upper

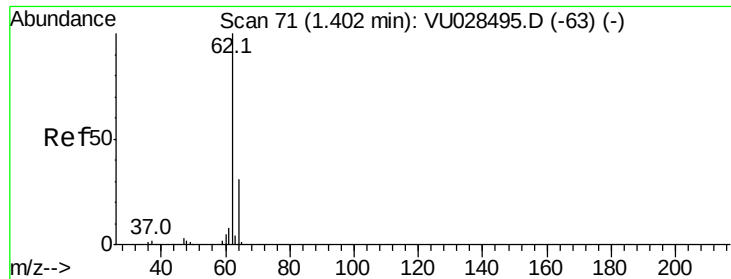
50 100

52 33.5 25.5 38.3



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





#4

Vinyl Chloride

Concen: 0.940 ug/l

RT: 1.29 min Scan# 35

Delta R.T. -0.12 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

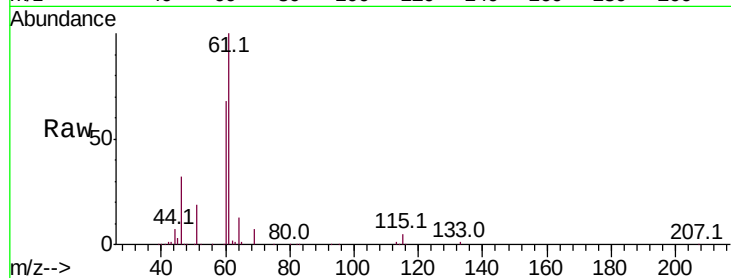
P001-SW001-01DL

Tot Ion: 62 Resp: 1774

Ion Ratio Lower Upper

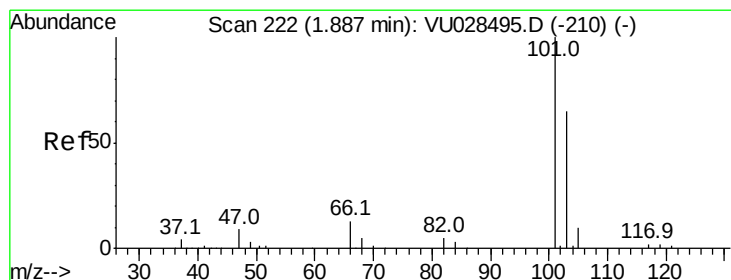
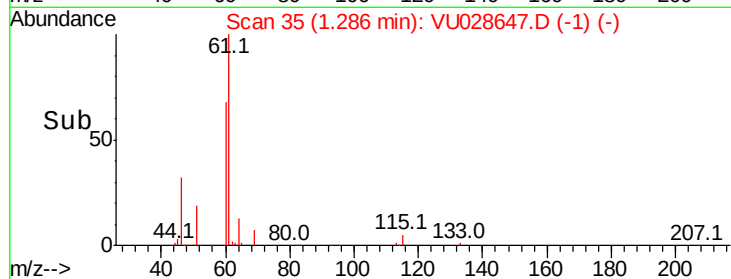
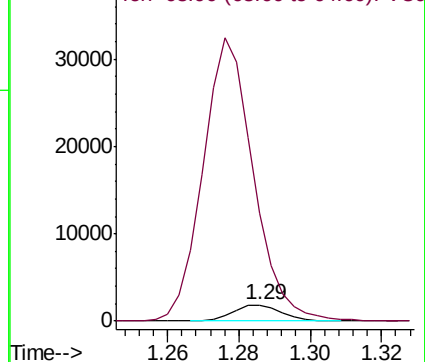
62 100

64 638.0 25.1 37.7#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#7

Trichlorofluoromethane

Concen: 0.386 ug/l

RT: 1.88 min Scan# 220

Delta R.T. -0.01 min

Lab File: VU028647.D

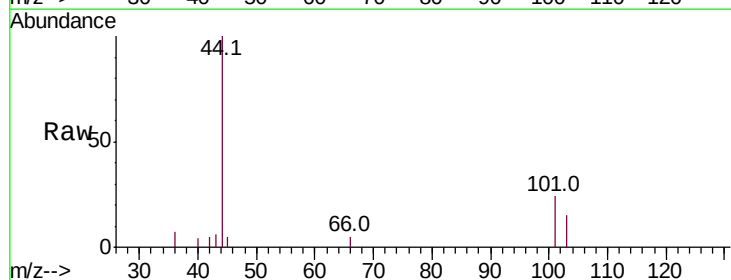
Acq: 12 Dec 2018 13:09

Tgt Ion: 101 Resp: 767

Ion Ratio Lower Upper

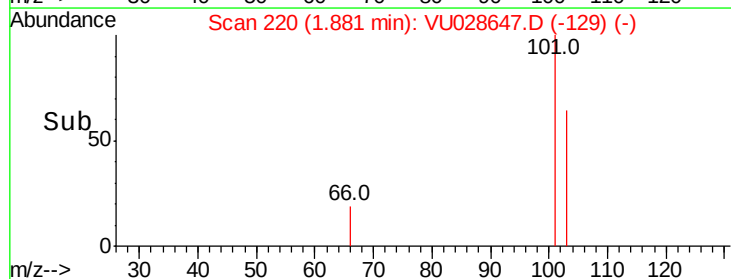
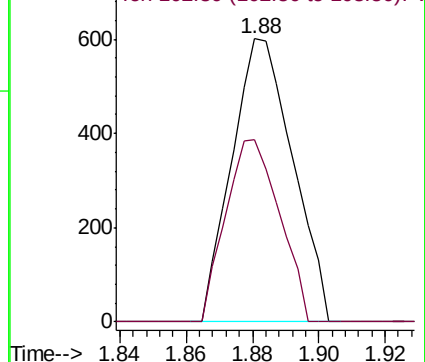
101 100

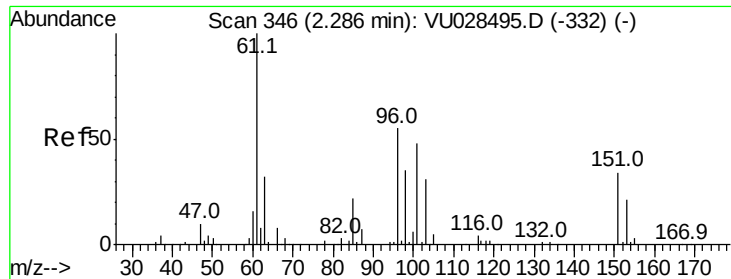
103 64.4 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.648 ug/l

RT: 2.08 min Scan# 283

Delta R.T. -0.20 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01DL

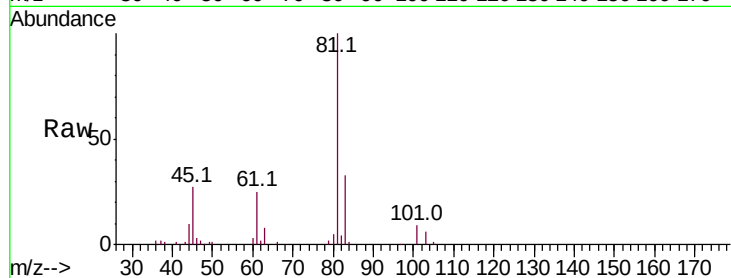
Tot Ion:101 Resp: 3143

Ion Ratio Lower Upper

101 100

85 0.0 36.4 54.6#

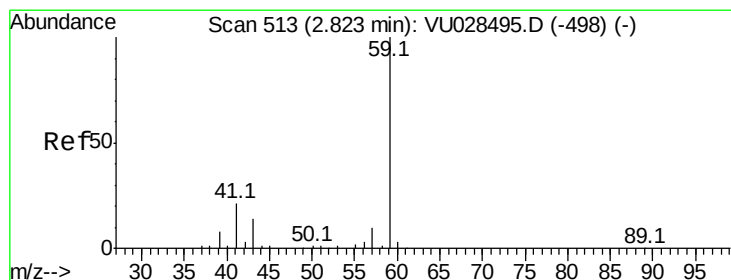
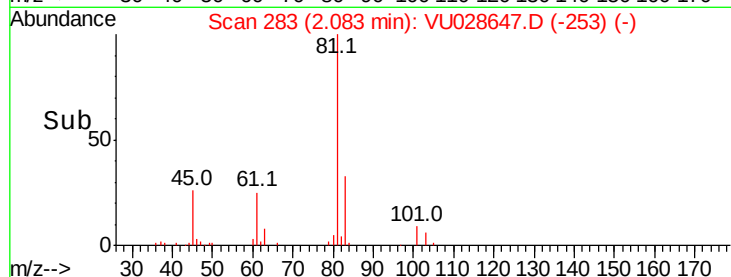
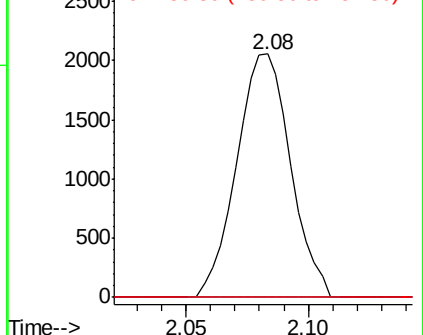
151 0.0 58.2 87.2#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 12.538 ug/l

RT: 2.83 min Scan# 514

Delta R.T. 0.00 min

Lab File: VU028647.D

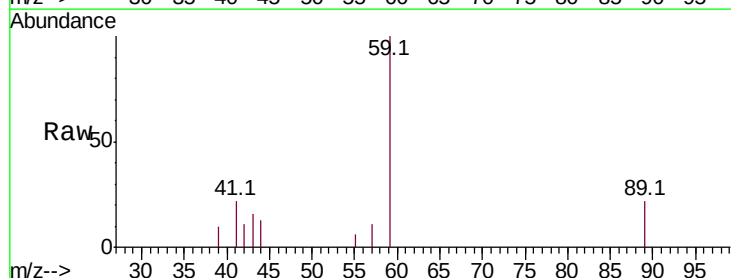
Acq: 12 Dec 2018 13:09

Tgt Ion: 59 Resp: 4522

Ion Ratio Lower Upper

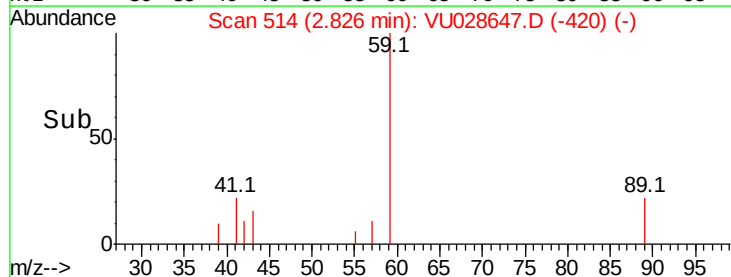
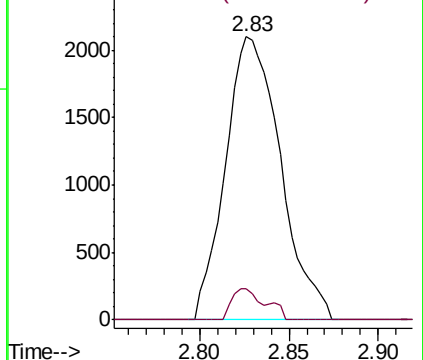
59 100

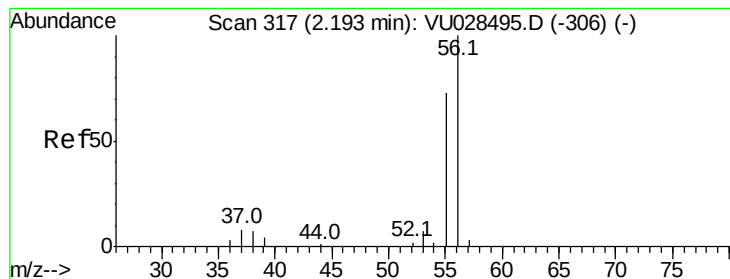
57 6.7 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#13

Acrolein

Concen: 0.744 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

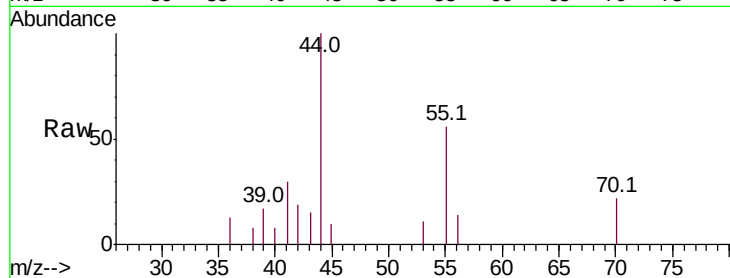
P001-SW001-01DL

Tot Ion: 56 Resp: 214

Ion Ratio Lower Upper

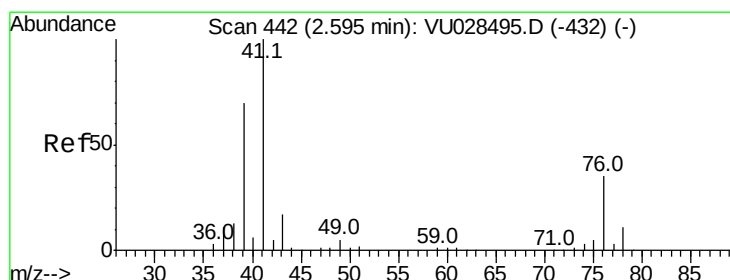
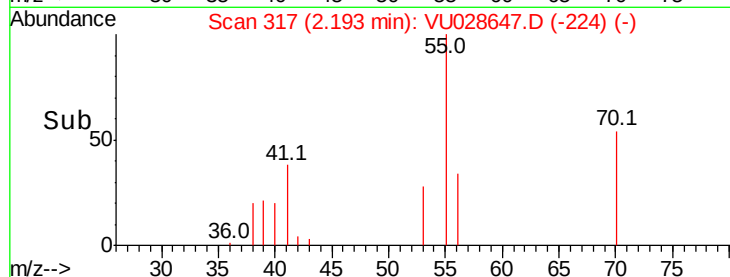
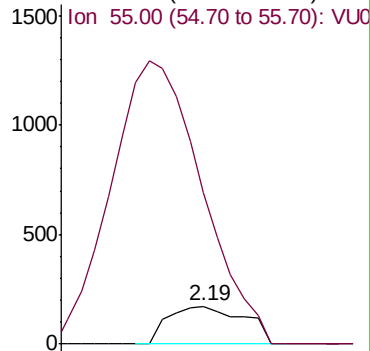
56 100

55 905.6 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 1.505 ug/l

RT: 2.55 min Scan# 429

Delta R.T. -0.04 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

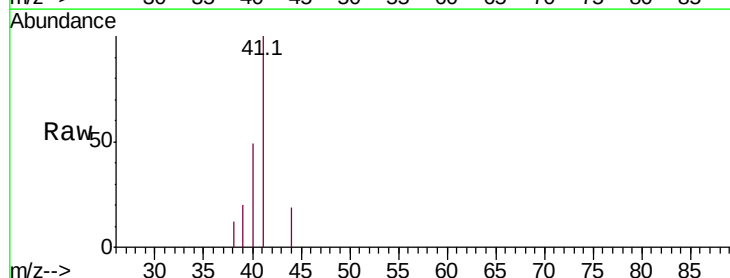
Tgt Ion: 41 Resp: 4206

Ion Ratio Lower Upper

41 100

39 21.3 50.8 76.2#

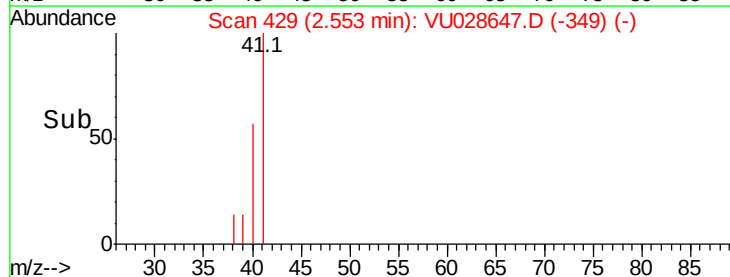
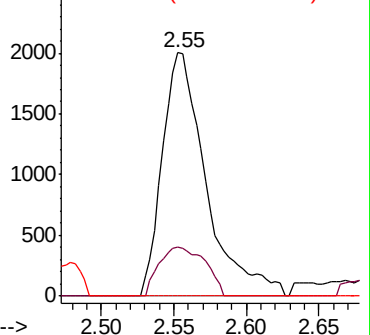
76 0.0 24.8 37.2#

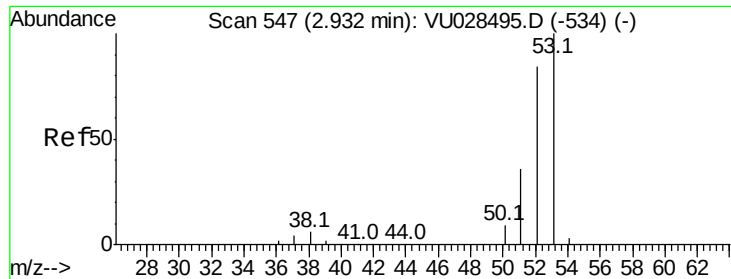


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 0.338 ug/l

RT: 2.94 min Scan# 550

Delta R.T. 0.01 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :

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ClientSampleId :

P001-SW001-01DL

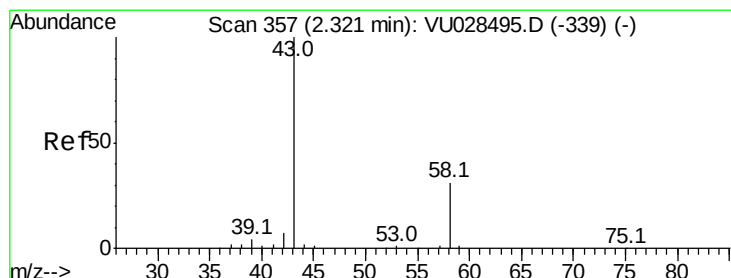
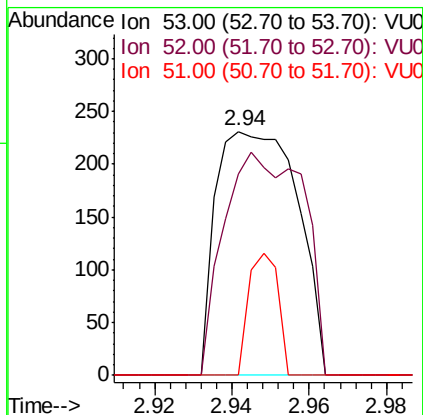
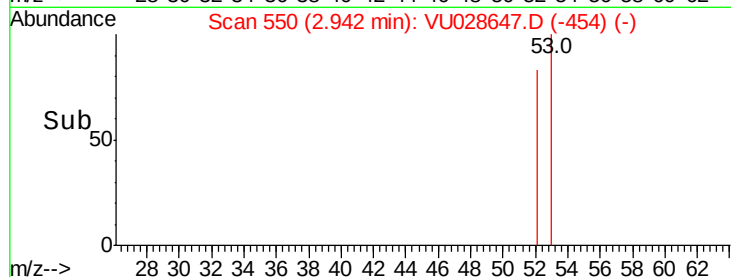
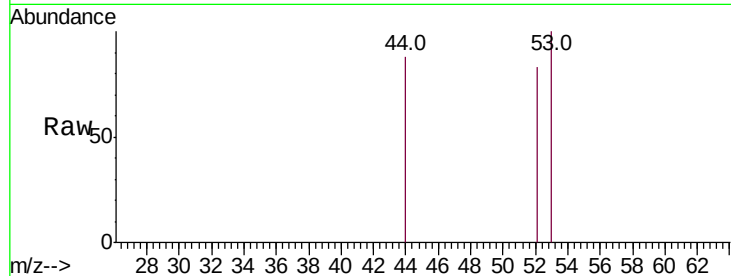
Tot Ion: 53 Resp: 338

Ion Ratio Lower Upper

53 100

52 89.3 66.1 99.1

51 18.0 28.1 42.1#



#16

Acetone

Concen: 33.548 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028647.D

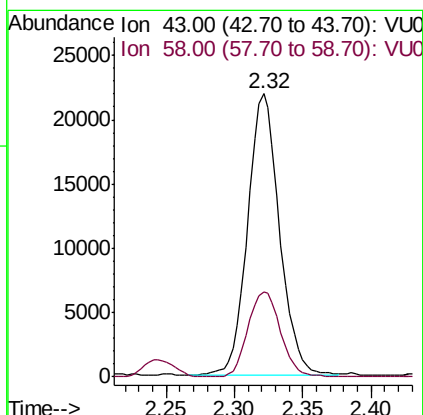
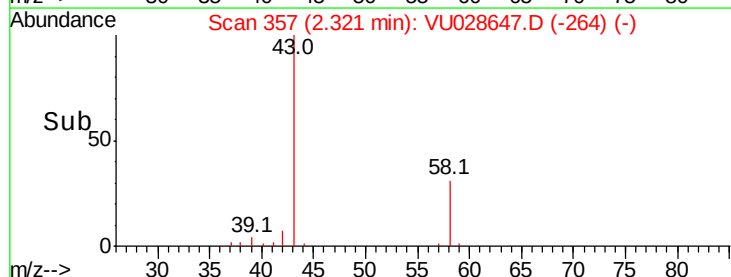
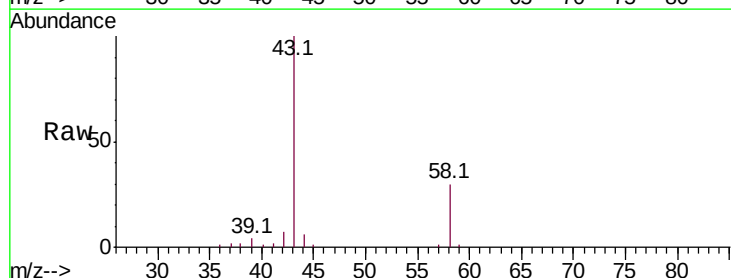
Acq: 12 Dec 2018 13:09

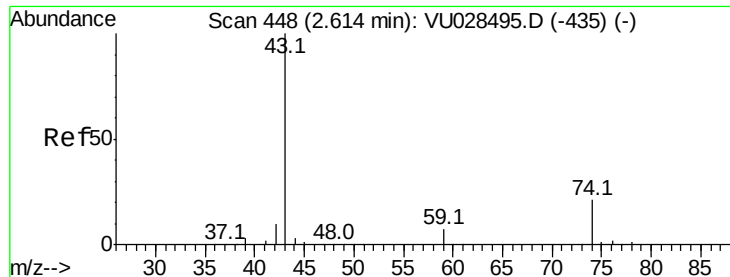
Tgt Ion: 43 Resp: 35438

Ion Ratio Lower Upper

43 100

58 30.4 24.6 37.0

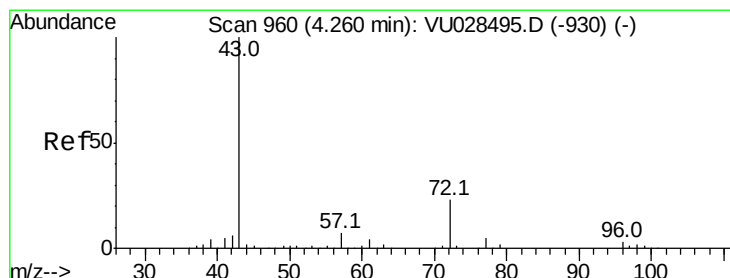
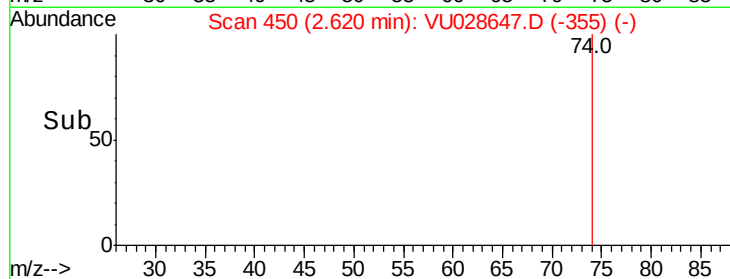
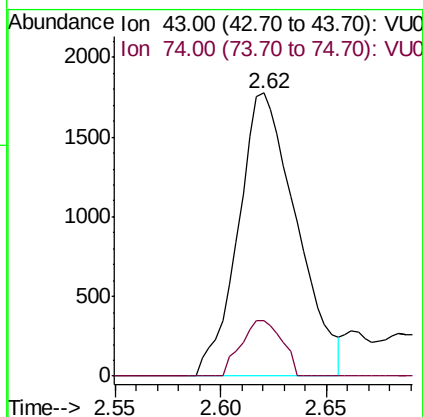
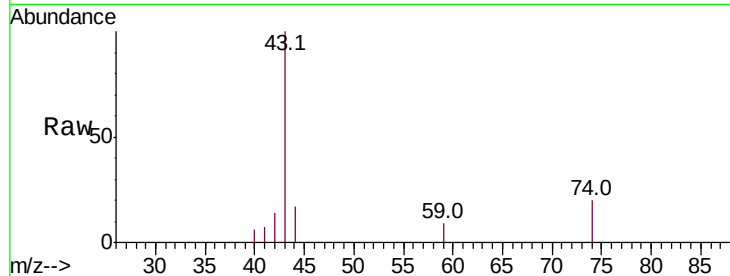




#18
Methvl Acetate
Concen: 1.248 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU028647.D
Acq: 12 Dec 2018 13:09

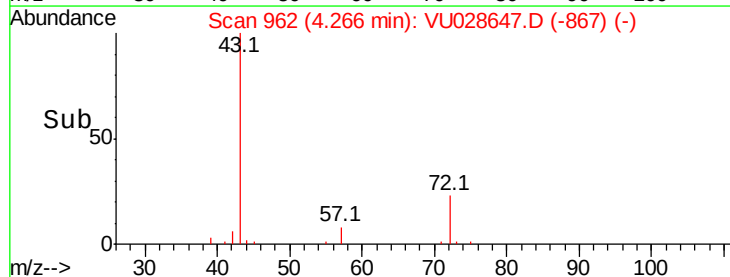
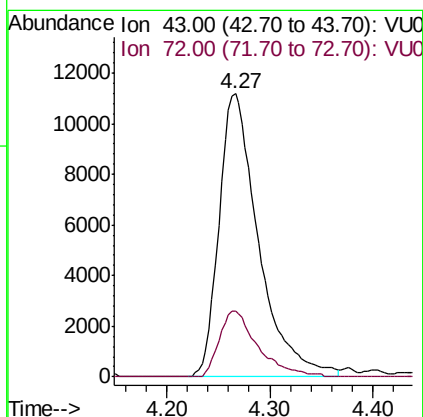
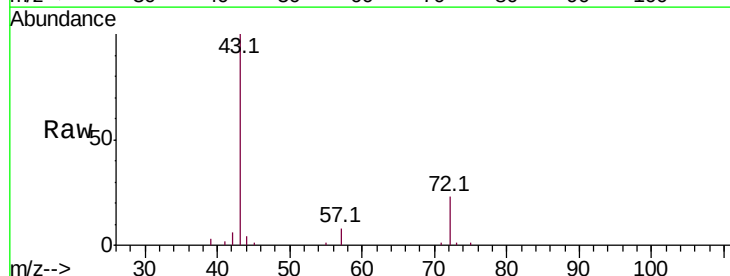
Instrument :
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P001-SW001-01DL

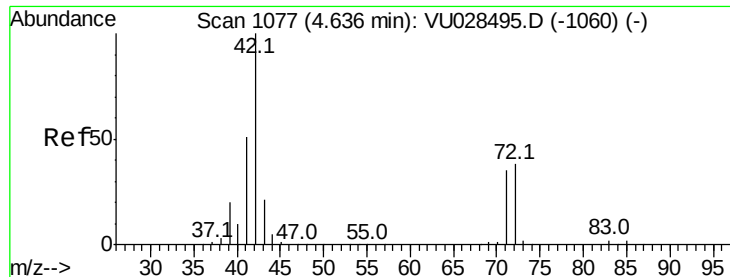
Tot Ion: 43 Resp: 3417
Ion Ratio Lower Upper
43 100
74 13.7 16.4 24.6#



#25
2-Butanone
Concen: 20.694 ug/l
RT: 4.27 min Scan# 962
Delta R.T. 0.01 min
Lab File: VU028647.D
Acq: 12 Dec 2018 13:09

Tgt Ion: 43 Resp: 29873
Ion Ratio Lower Upper
43 100
72 23.2 18.6 28.0





#29

Tetrahydrofuran

Concen: 9.862 ug/l

RT: 4.64 min Scan# 1079

Delta R.T. 0.01 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01DL

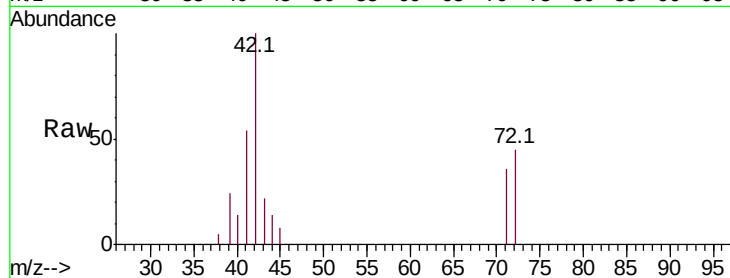
Tot Ion: 42 Resp: 9143

Ion Ratio Lower Upper

42 100

72 38.6 31.4 47.0

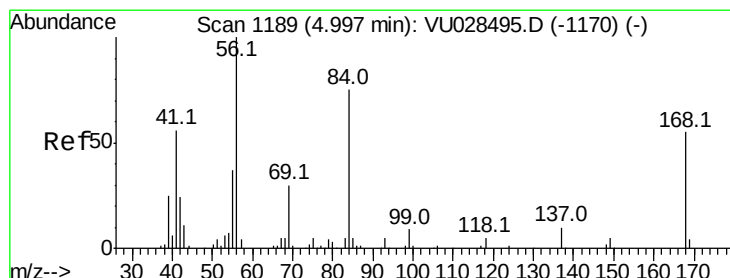
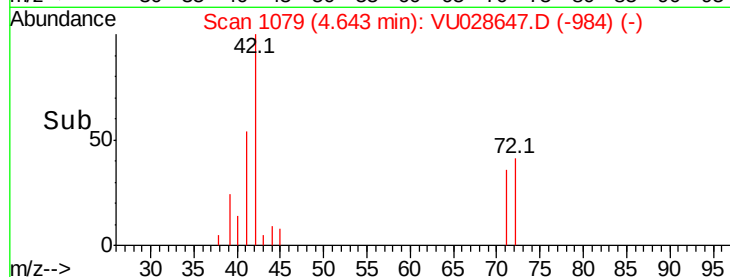
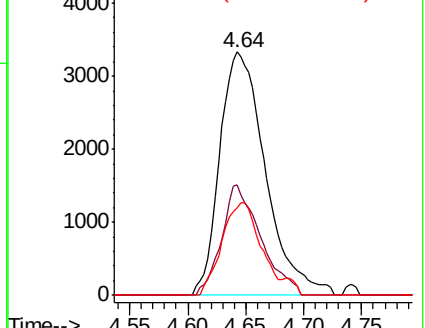
71 32.2 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#31

Cyclohexane

Concen: 0.316 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

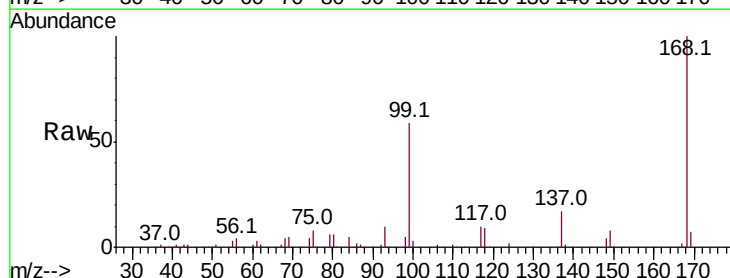
Tgt Ion: 56 Resp: 4178

Ion Ratio Lower Upper

56 100

69 111.6 24.0 36.0#

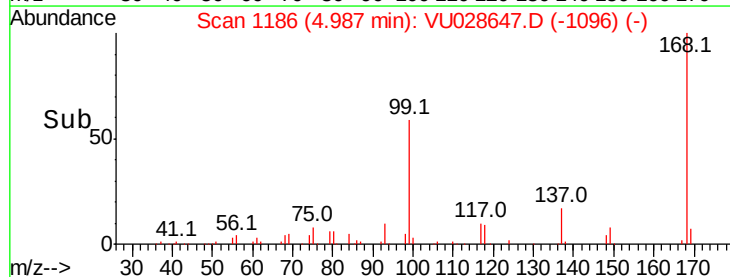
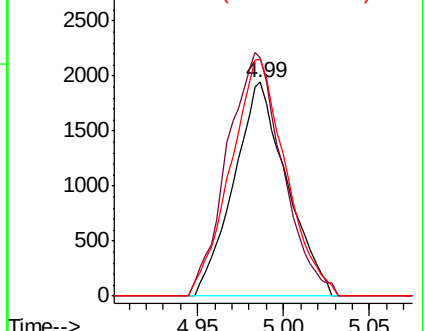
84 111.0 59.7 89.5#

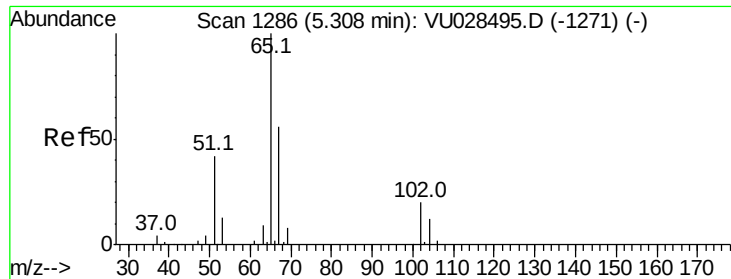


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

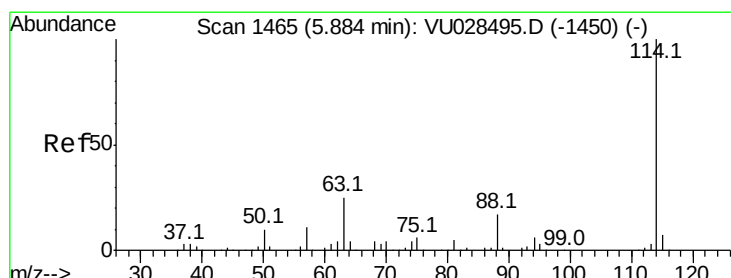
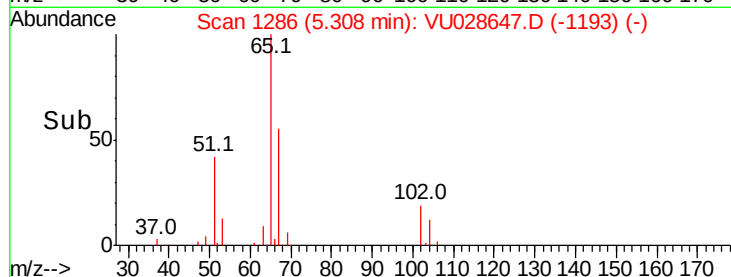
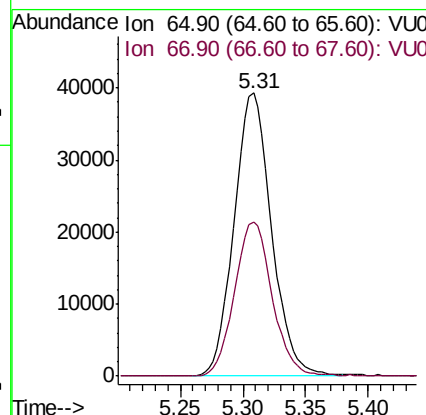
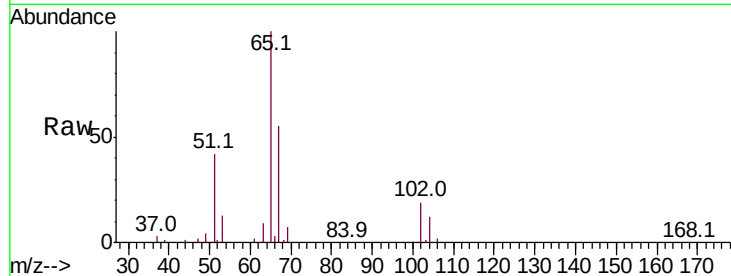




#33
 1,2-Dichloroethane-d4
 Concen: 50.432 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028647.D
 Acq: 12 Dec 2018 13:09

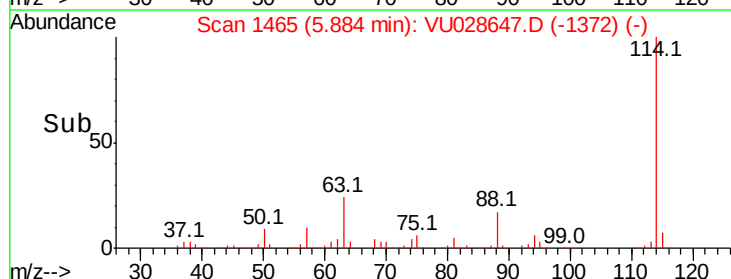
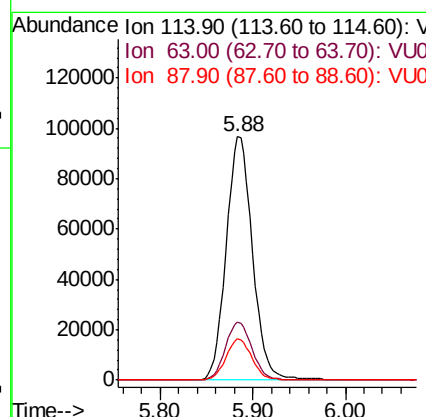
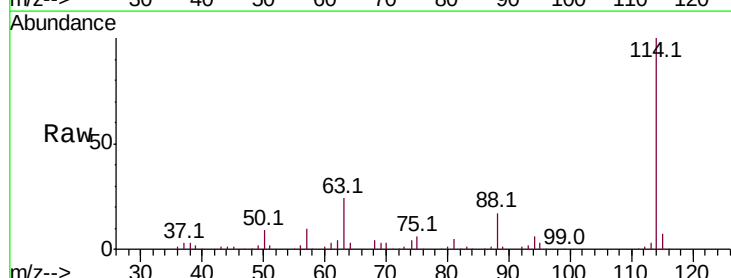
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01DL

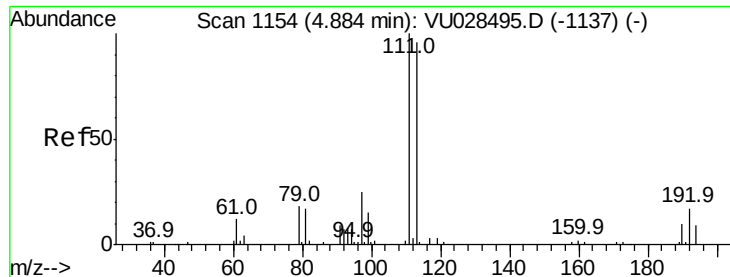
Tot Ion: 65 Resp: 81639
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028647.D
 Acq: 12 Dec 2018 13:09

Tgt Ion: 114 Resp: 190407
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 49.2
 88 17.1 0.0 33.4

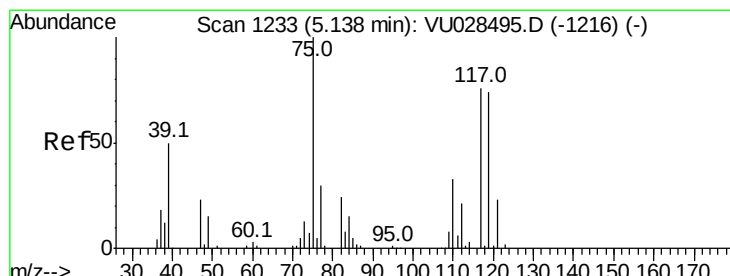
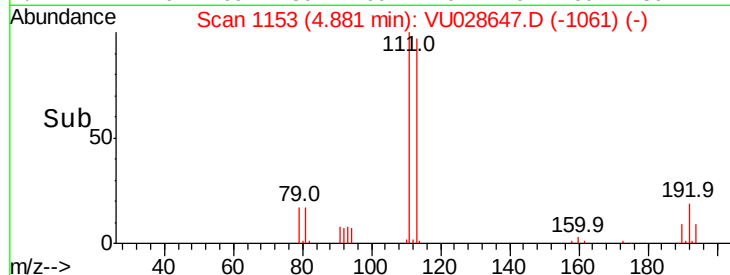
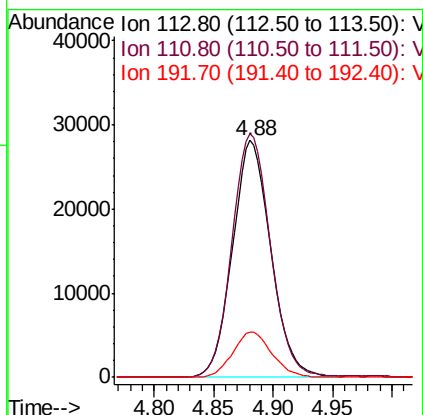
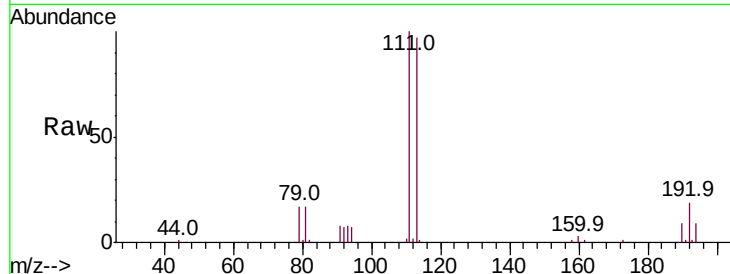




#35
 Dibromofluoromethane
 Concen: 52.422 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028647.D
 Acq: 12 Dec 2018 13:09

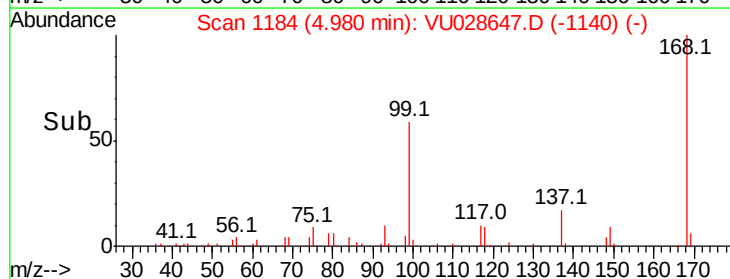
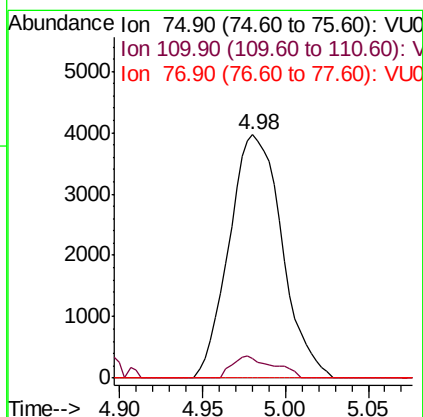
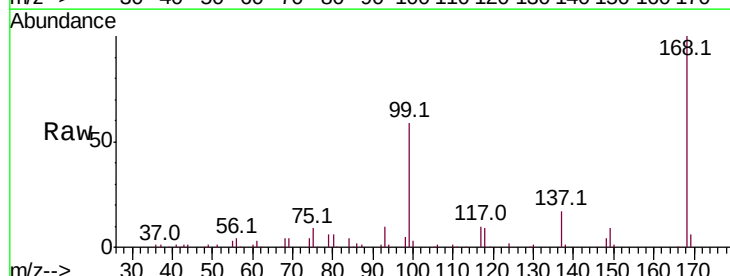
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01DL

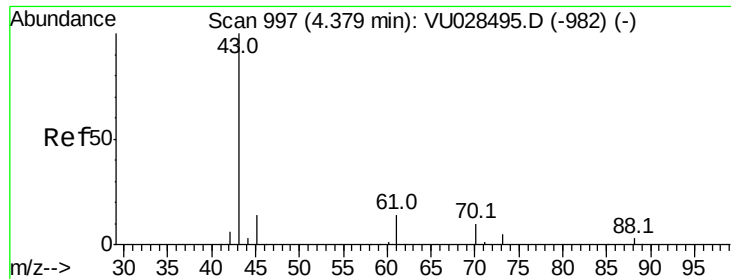
Tot Ion:113 Resp: 62814
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.4 125.0
 192 19.3 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.229 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028647.D
 Acq: 12 Dec 2018 13:09

Tgt Ion: 75 Resp: 8811
 Ion Ratio Lower Upper
 75 100
 110 7.0 16.1 48.2#
 77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 11.091 ug/l

RT: 4.27 min Scan# 962

Delta R.T. -0.11 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01DL

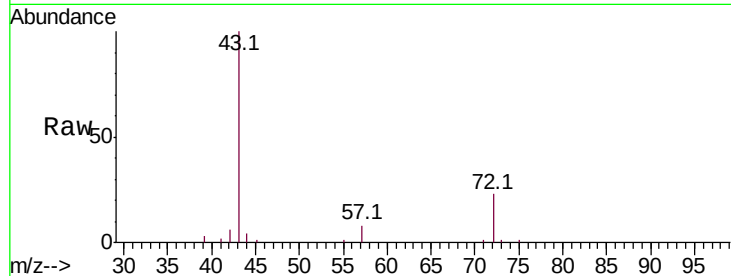
Tot Ion: 43 Resp: 29873

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.4#

70 0.0 7.4 11.0#

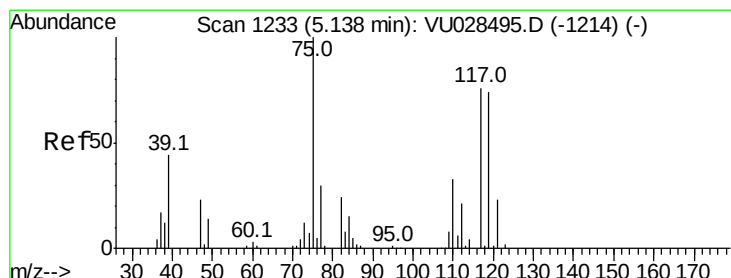
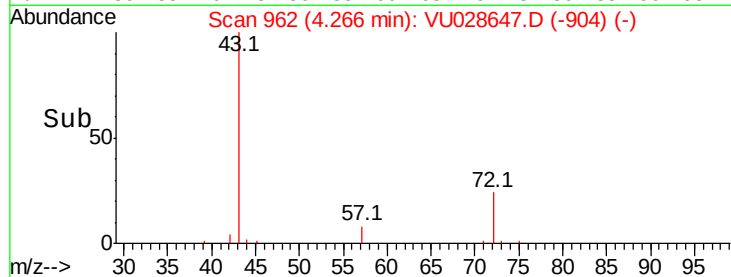
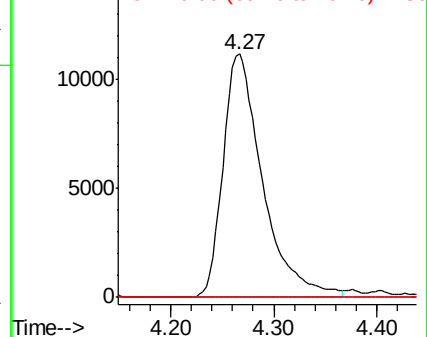


Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-982) (-)

15000

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: 6.201 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

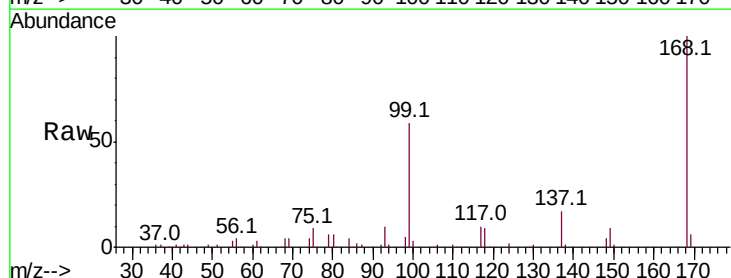
Tgt Ion: 117 Resp: 10413

Ion Ratio Lower Upper

117 100

119 4.3 77.6 116.4#

121 0.0 24.6 36.8#

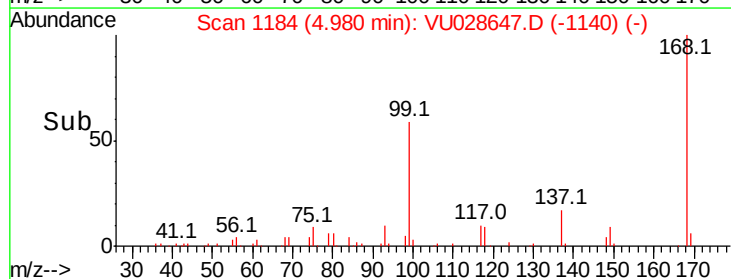
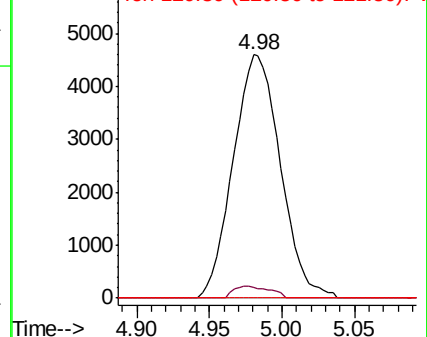


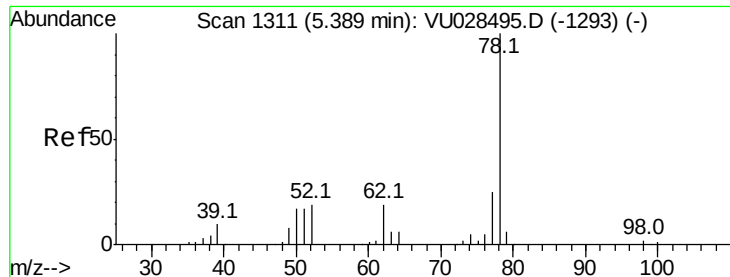
Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

6000

Ion 118.80 (118.50 to 119.50): VU028495.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU028495.D (-1214) (-)





#40

Benzene

Concen: 8.938 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

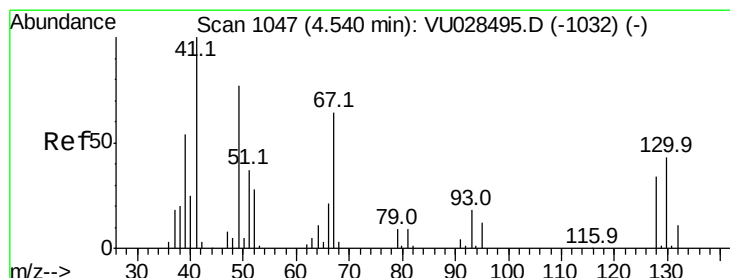
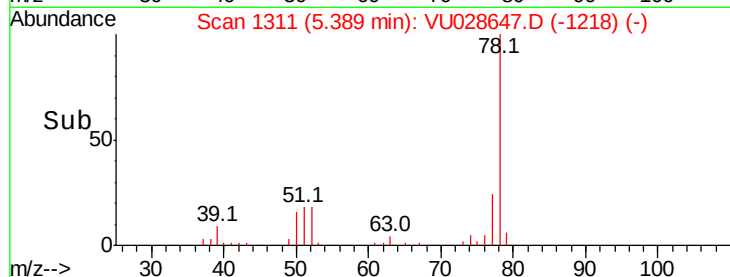
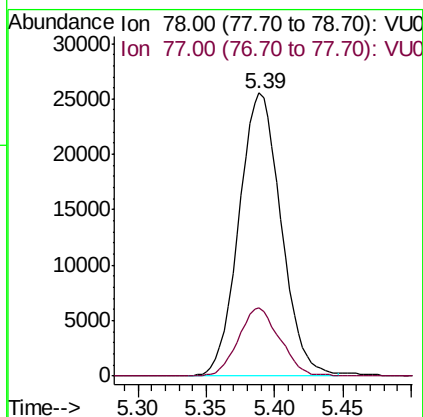
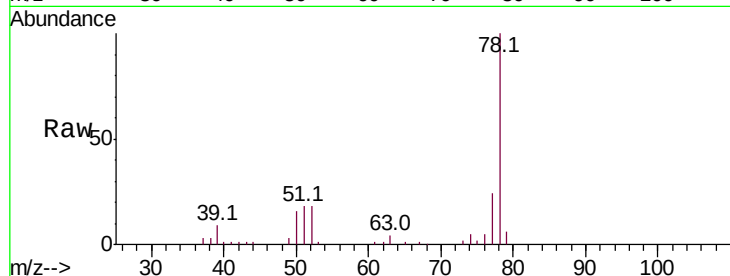
P001-SW001-01DL

Tot Ion: 78 Resp: 54851

Ion Ratio Lower Upper

78 100

77 24.0 19.9 29.9



#41

Methacrylonitrile

Concen: 0.746 ug/l

RT: 4.57 min Scan# 1057

Delta R.T. 0.03 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Tgt Ion: 41 Resp: 1100

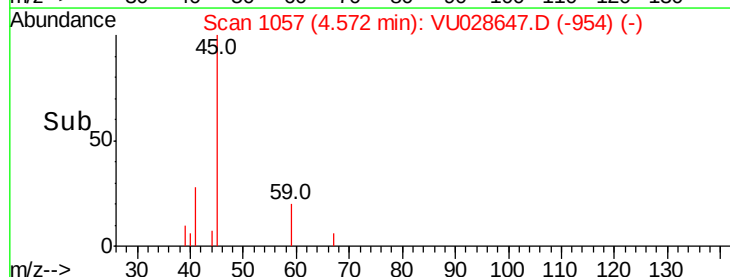
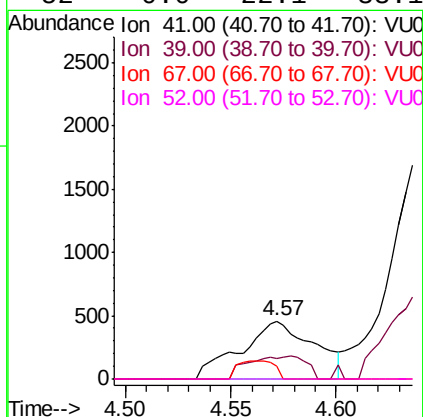
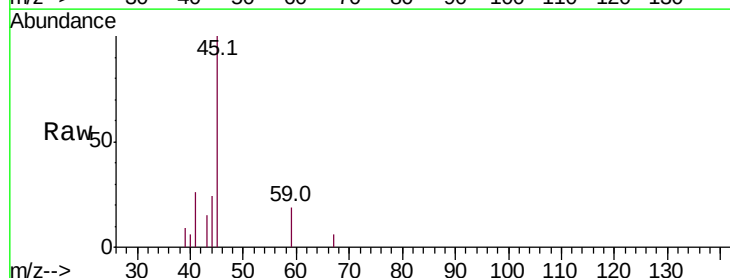
Ion Ratio Lower Upper

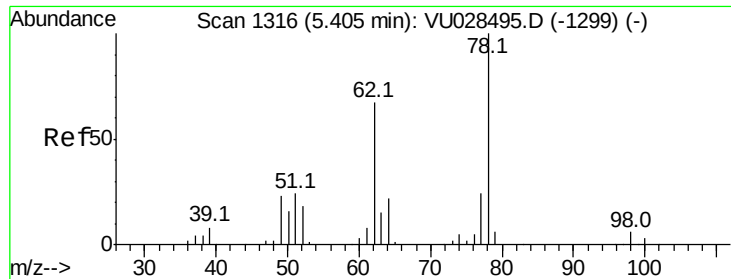
41 100

39 31.0 43.3 64.9#

67 15.8 53.6 80.4#

52 0.0 22.1 33.1#





#42

1,2-Dichloroethane

Concen: 0.239 ug/l

RT: 5.39 min Scan# 1313

Delta R.T. -0.01 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

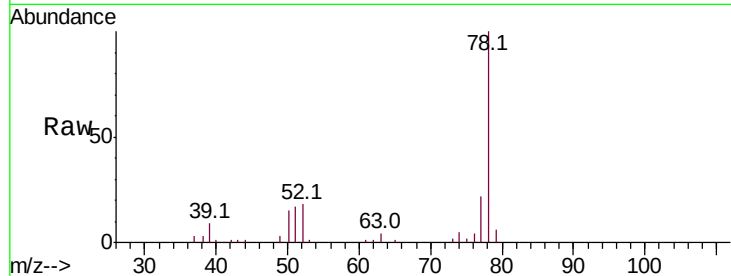
P001-SW001-01DL

Tot Ion: 62 Resp: 513

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

5.39

250

200

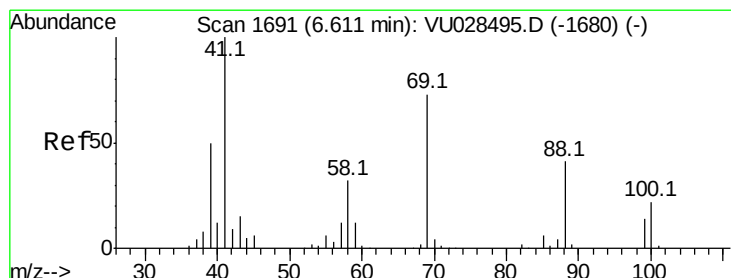
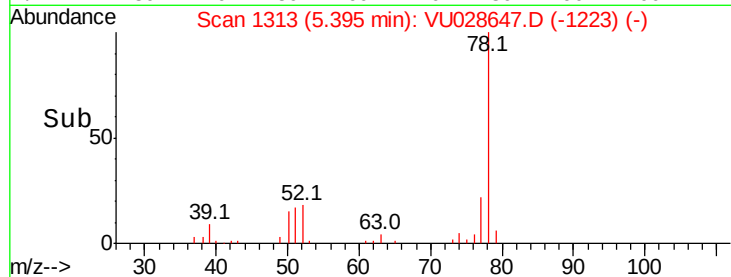
150

100

50

0

Time--> 5.35 5.40



#49

1,4-Dioxane

Concen: 13.093 ug/l

RT: 6.62 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

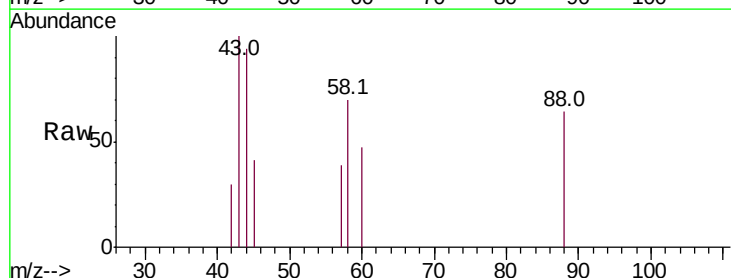
Tgt Ion: 88 Resp: 438

Ion Ratio Lower Upper

88 100

43 0.0 30.9 46.3#

58 103.4 62.4 93.6#



Abundance Ion 88.00 (87.70 to 88.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

500

400

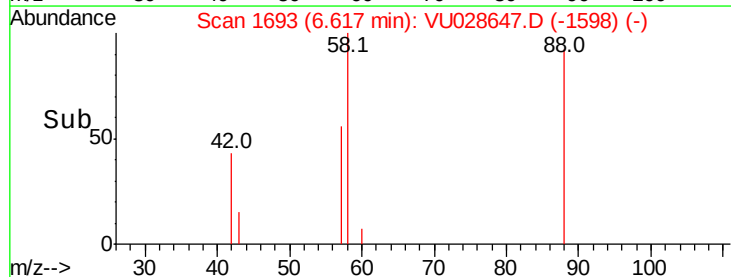
300

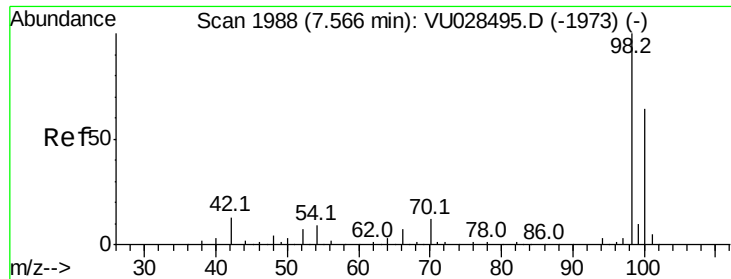
200

100

0

Time--> 6.58 6.60 6.62 6.64 6.66

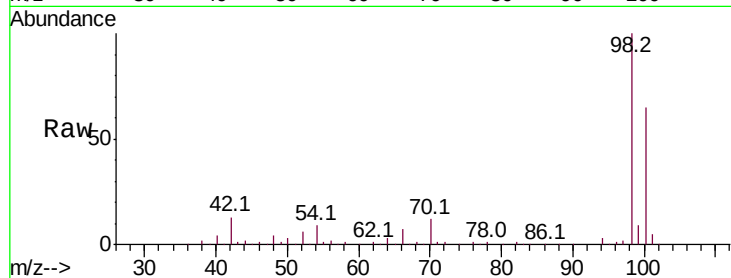




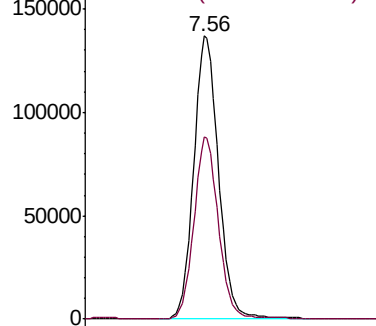
#50
Toluene-d8
Concen: 51.081 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028647.D
Acq: 12 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01DL

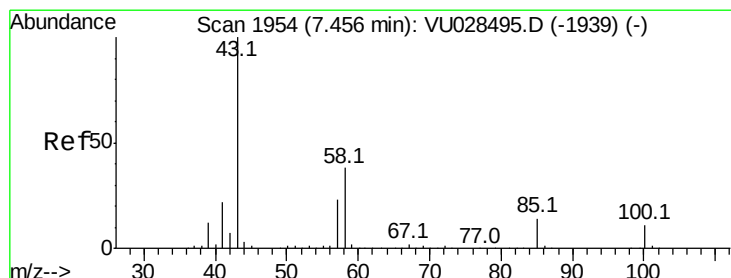
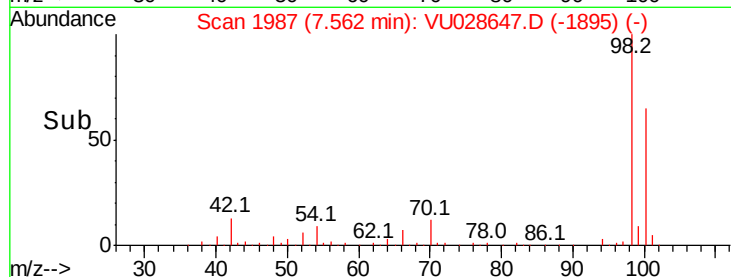
Tot Ion: 98 Resp: 242124
Ion Ratio Lower Upper
98 100
100 63.6 51.0 76.6



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

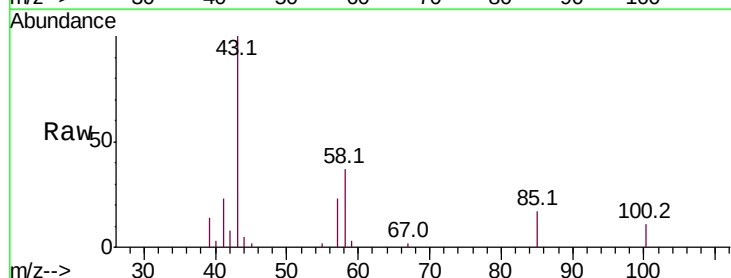


Time-->

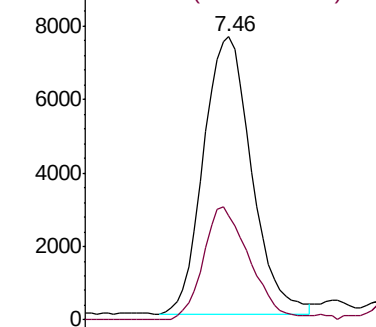


#51
4-Methyl-2-Pentanone
Concen: 5.258 ug/l
RT: 7.46 min Scan# 1956
Delta R.T. 0.01 min
Lab File: VU028647.D
Acq: 12 Dec 2018 13:09

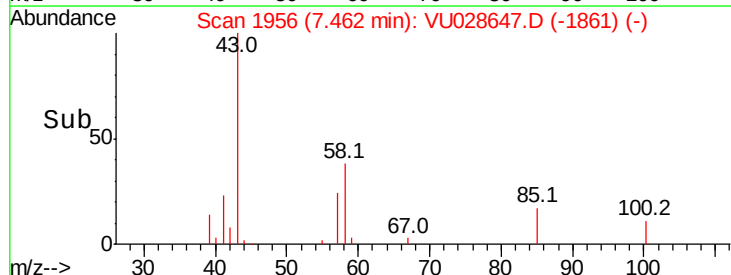
Tgt Ion: 43 Resp: 14129
Ion Ratio Lower Upper
43 100
58 39.4 30.2 45.2

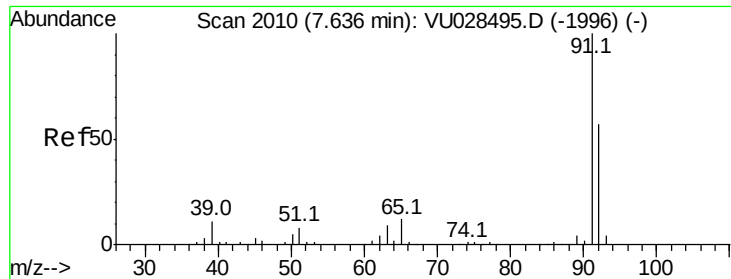


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0



Time-->





#52

Toluene

Concen: 34.065 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

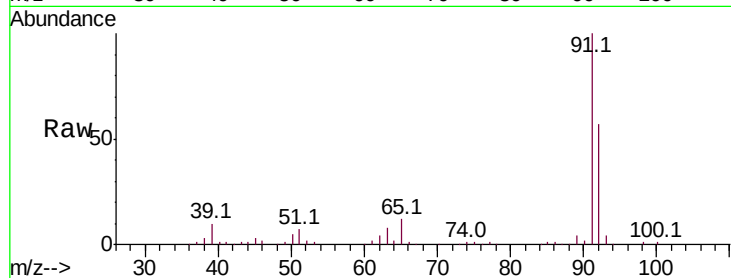
P001-SW001-01DL

Tot Ion: 92 Resp: 123027

Ion Ratio Lower Upper

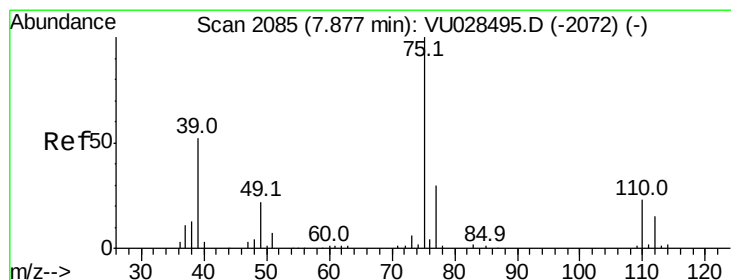
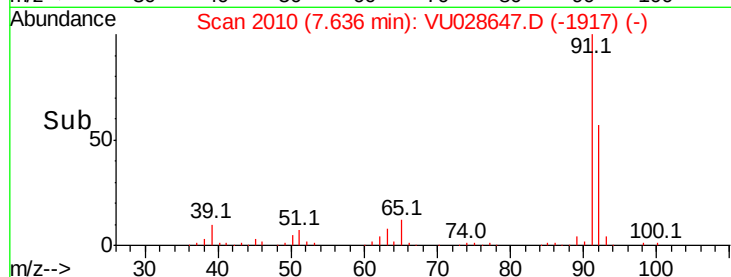
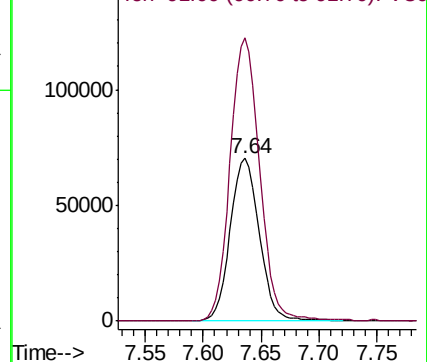
92 100

91 176.5 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#53

t-1,3-Dichloropropene

Concen: 0.566 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.24 min

Lab File: VU028647.D

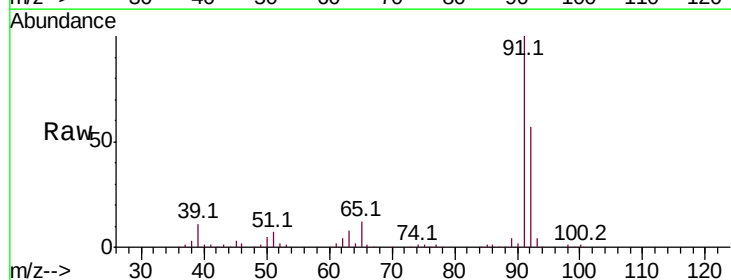
Acq: 12 Dec 2018 13:09

Tgt Ion: 75 Resp: 1344

Ion Ratio Lower Upper

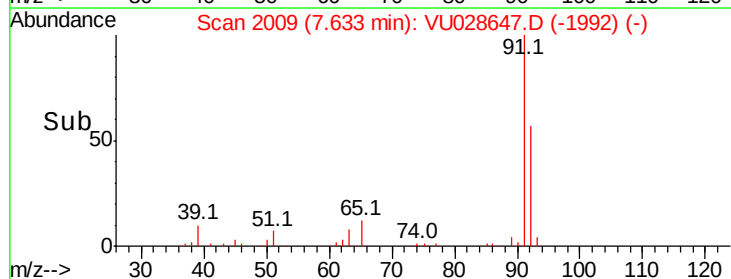
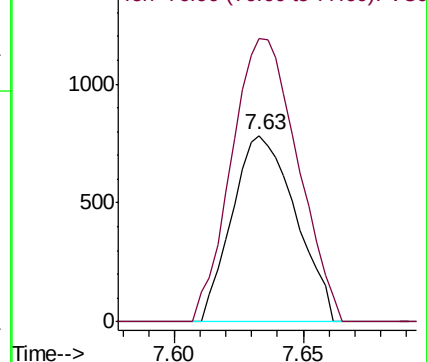
75 100

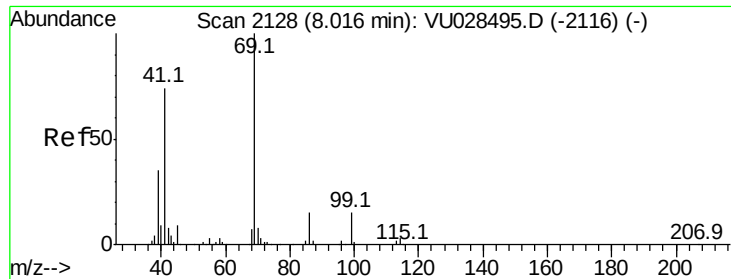
77 151.8 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0





#56

Ethyl methacrylate

Concen: 1.086 ug/l

RT: 7.91 min Scan# 2095

Delta R.T. -0.11 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01DL

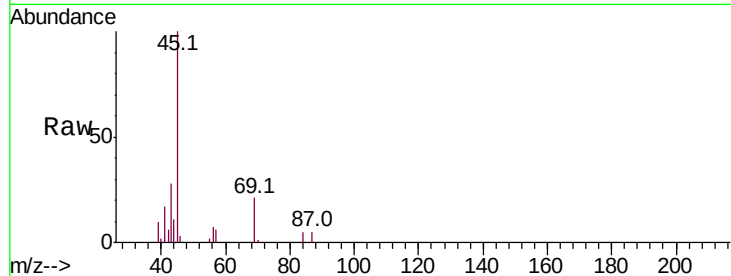
Tot Ion: 69 Resp: 2655

Ion Ratio Lower Upper

69 100

41 99.6 59.1 88.7#

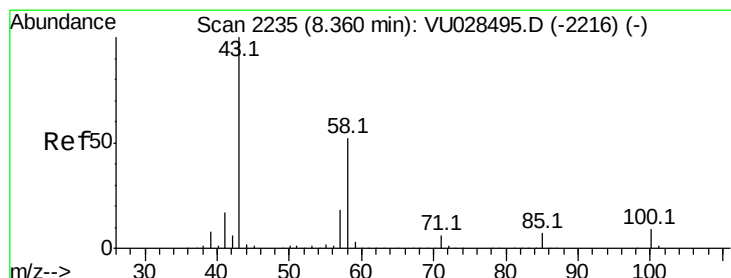
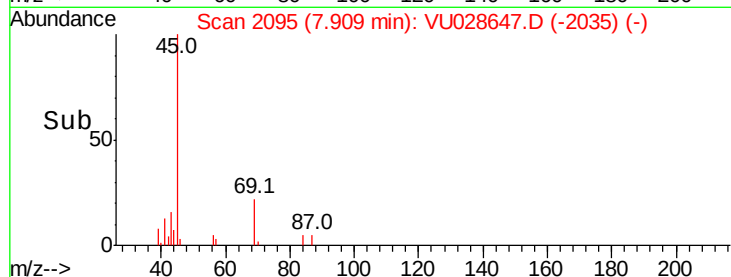
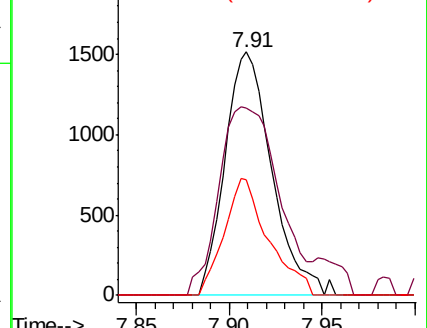
39 45.3 28.4 42.6#



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



#59

2-Hexanone

Concen: 1.127 ug/l

RT: 8.37 min Scan# 2238

Delta R.T. 0.01 min

Lab File: VU028647.D

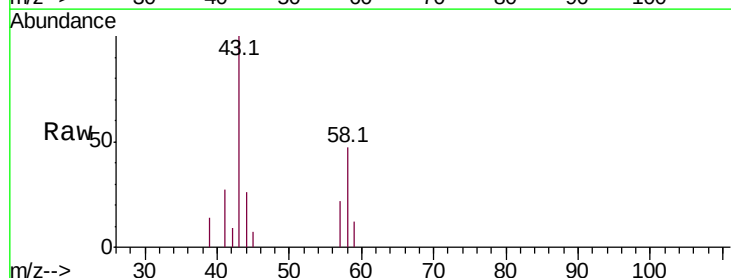
Acq: 12 Dec 2018 13:09

Tgt Ion: 43 Resp: 2401

Ion Ratio Lower Upper

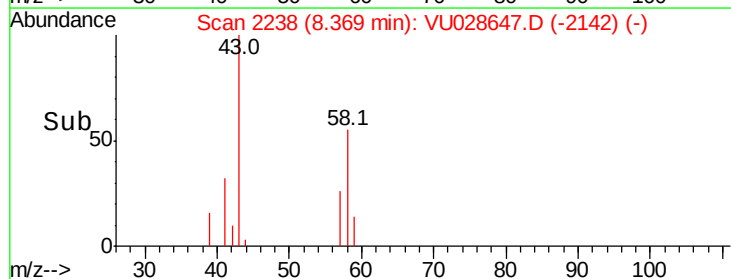
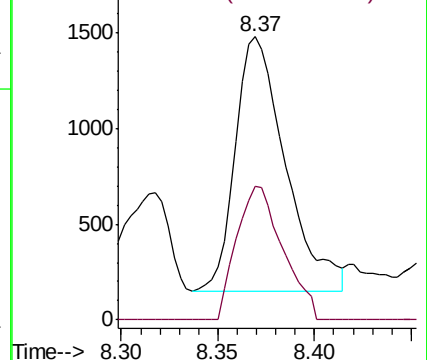
43 100

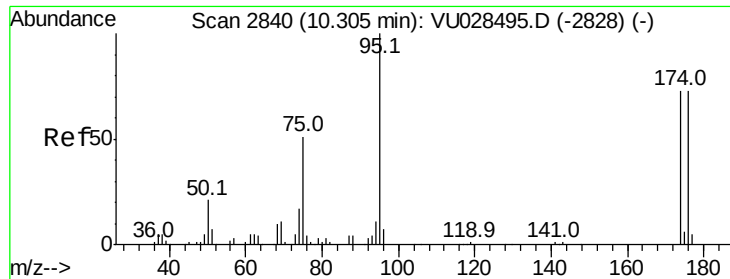
58 48.1 25.9 77.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#62

4-Bromofluorobenzene

Concen: 46.984 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01DL

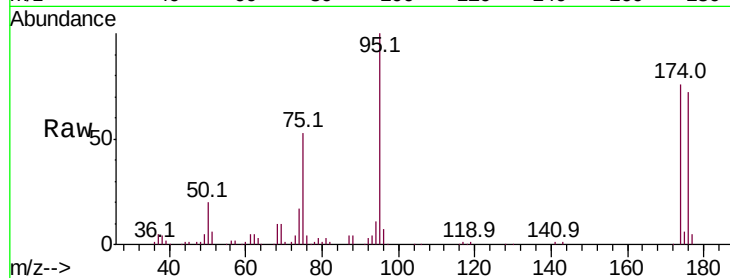
Tot Ion: 95 Resp: 83239

Ion Ratio Lower Upper

95 100

174 76.7 0.0 150.4

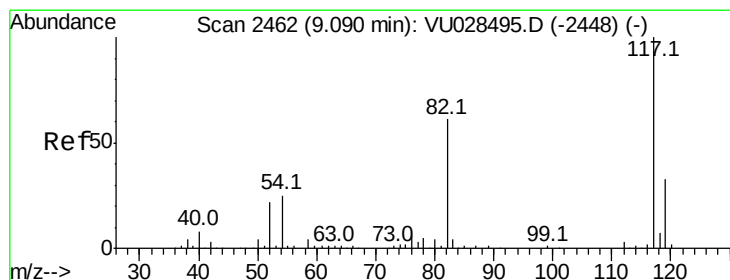
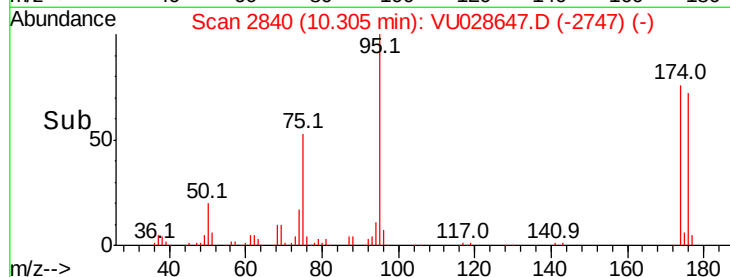
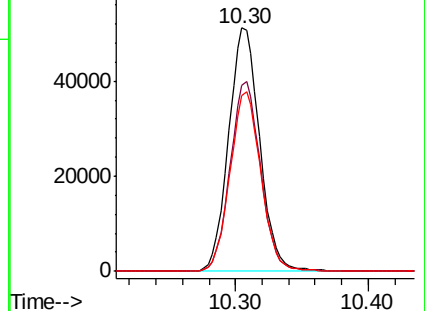
176 73.2 0.0 145.2



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: VU028647.D

Acq: 12 Dec 2018 13:09

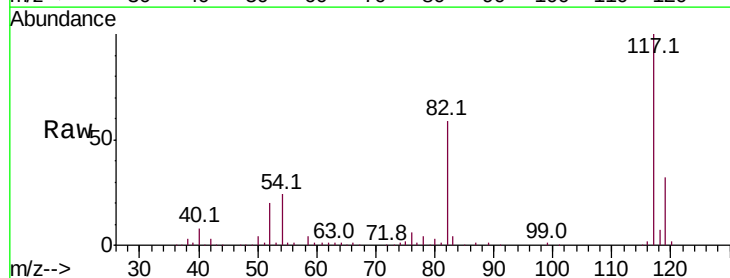
Tgt Ion: 117 Resp: 171504

Ion Ratio Lower Upper

117 100

82 59.0 48.9 73.3

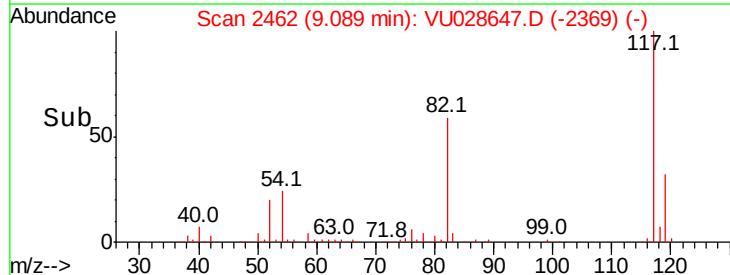
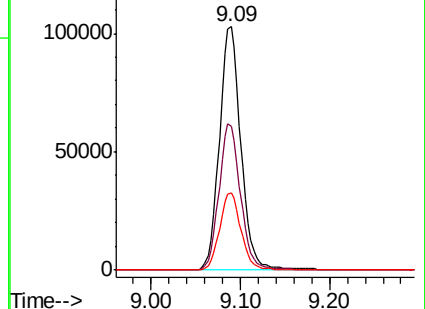
119 31.9 26.2 39.4

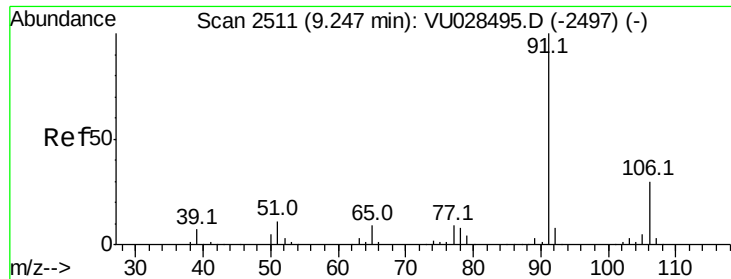


Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

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

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

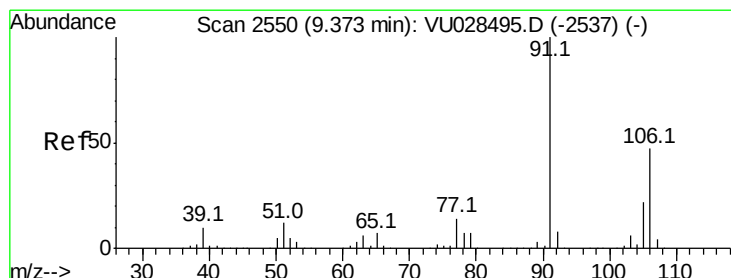
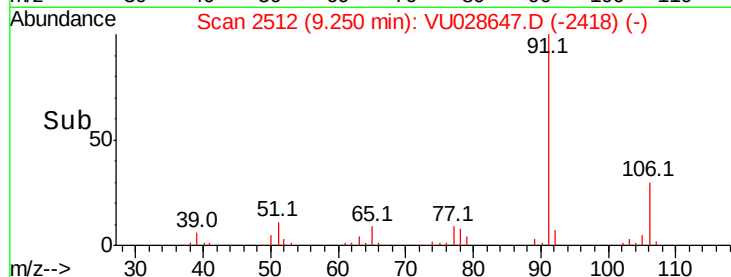
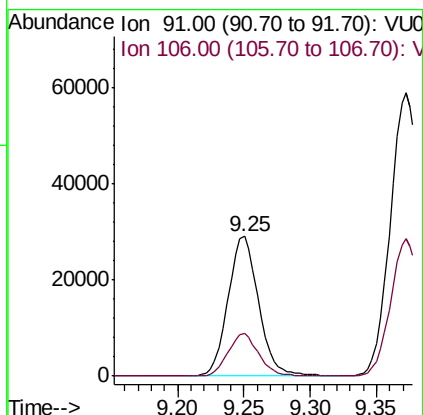
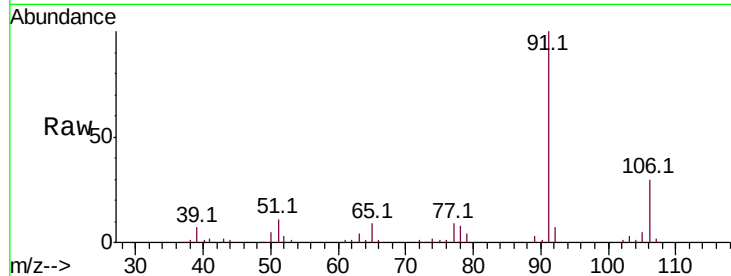




#67
Ethyl Benzene
Concen: 6.969 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028647.D
Acq: 12 Dec 2018 13:09

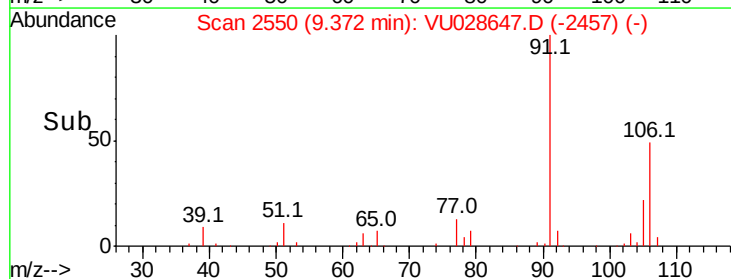
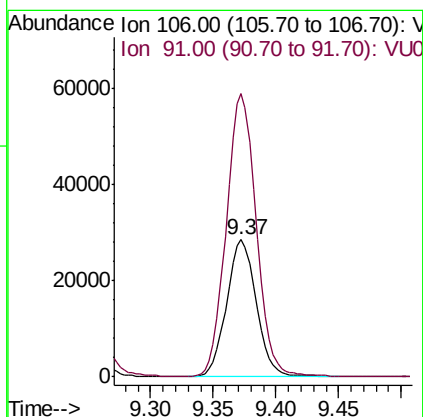
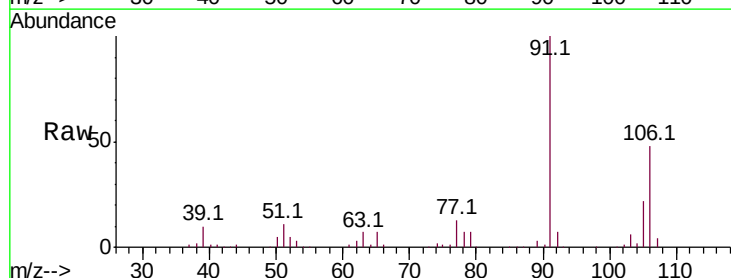
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01DL

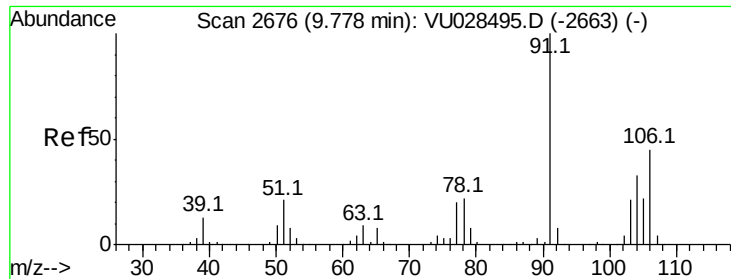
Tot Ion: 91 Resp: 46819
Ion Ratio Lower Upper
91 100
106 30.2 24.1 36.1



#68
m/p-Xylenes
Concen: 19.257 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028647.D
Acq: 12 Dec 2018 13:09

Tgt Ion: 106 Resp: 47075
Ion Ratio Lower Upper
106 100
91 208.4 167.4 251.0

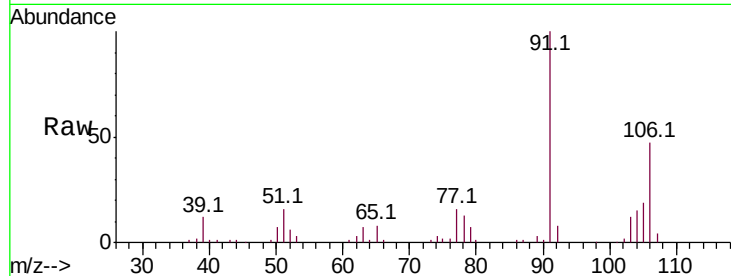




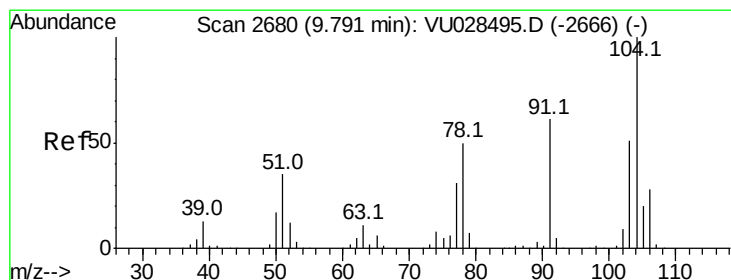
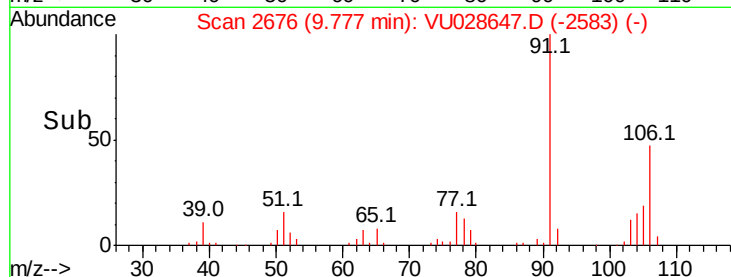
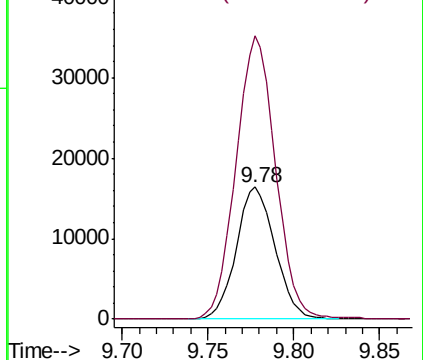
#69
o-Xylene
Concen: 10.786 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028647.D
Acq: 12 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01DL

Tot Ion:106 Resp: 25624
Ion Ratio Lower Upper
106 100
91 219.2 111.3 334.0

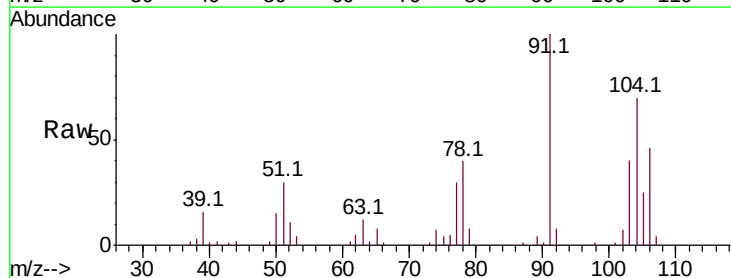


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

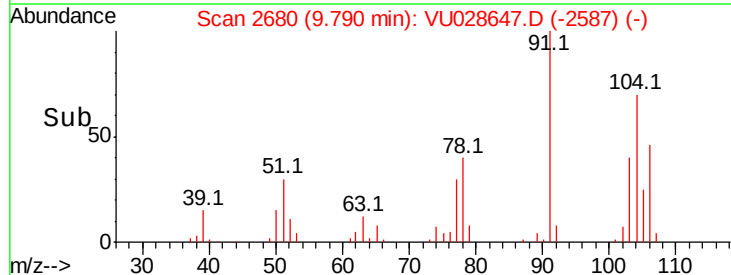
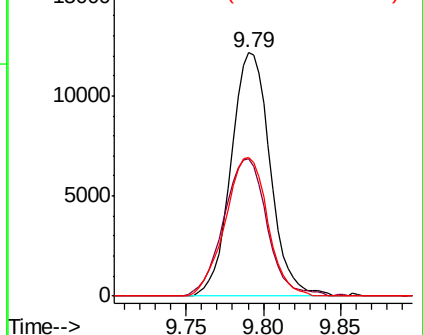


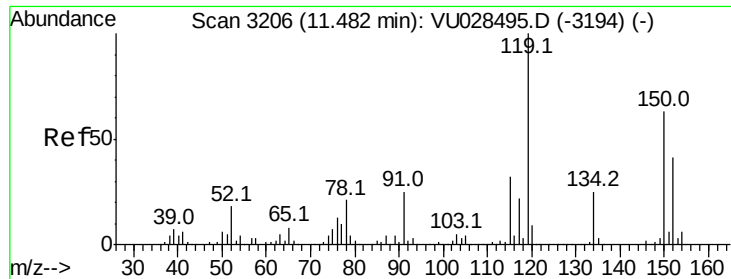
#70
Styrene
Concen: 5.419 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028647.D
Acq: 12 Dec 2018 13:09

Tgt Ion:104 Resp: 21305
Ion Ratio Lower Upper
104 100
78 62.7 43.0 64.6
103 62.0 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



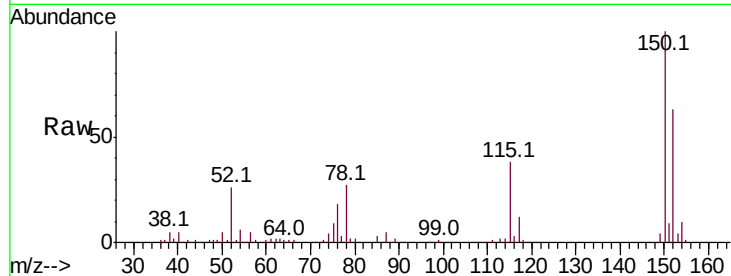


#72

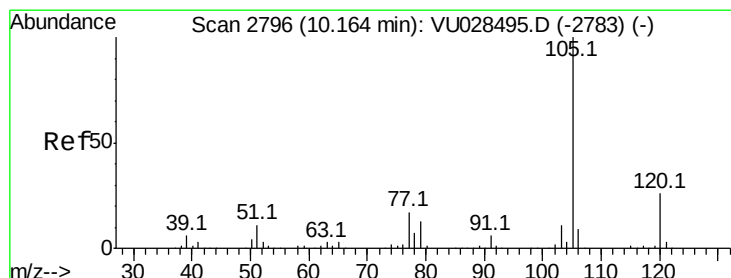
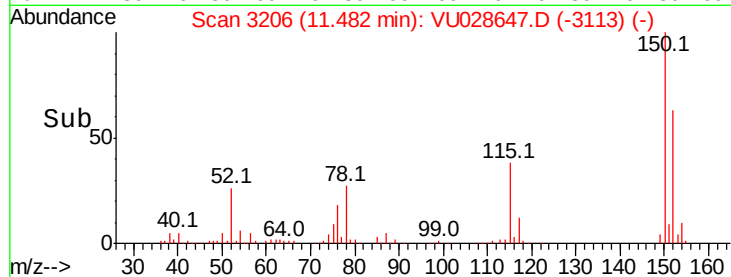
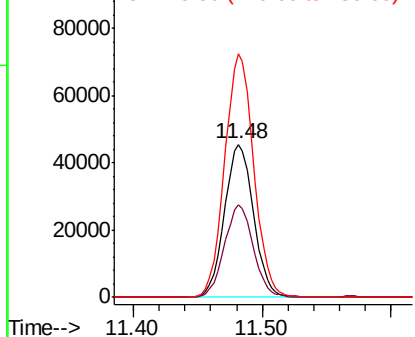
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028647.D
Acq: 12 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01DL

Tot Ion:152 Resp: 71047
Ion Ratio Lower Upper
152 100
115 60.0 42.7 128.1
150 159.9 0.0 346.0



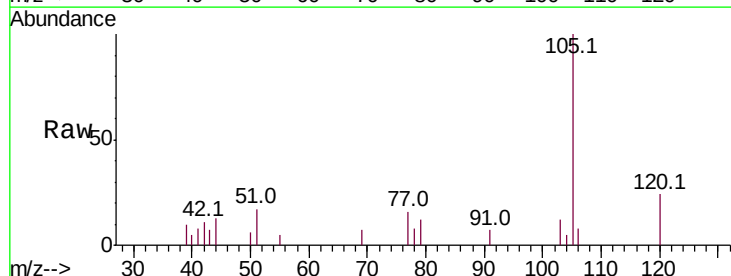
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



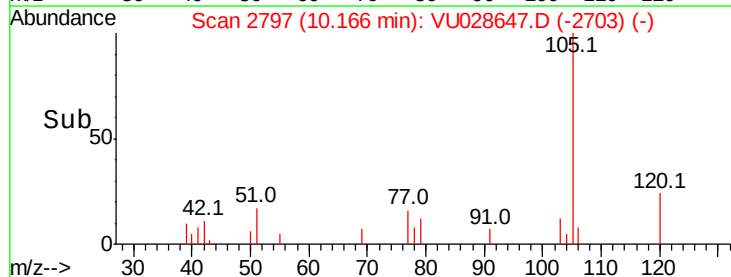
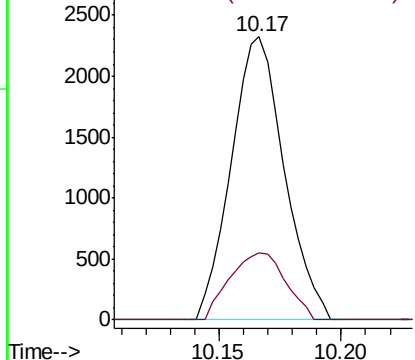
#73

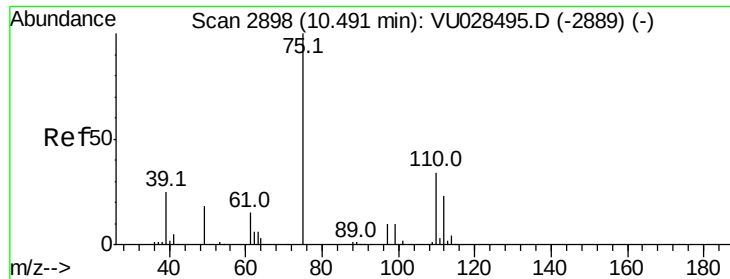
Isopropylbenzene
Concen: 0.642 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU028647.D
Acq: 12 Dec 2018 13:09

Tgt Ion:105 Resp: 3499
Ion Ratio Lower Upper
105 100
120 25.1 12.9 38.6



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: 23.388 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

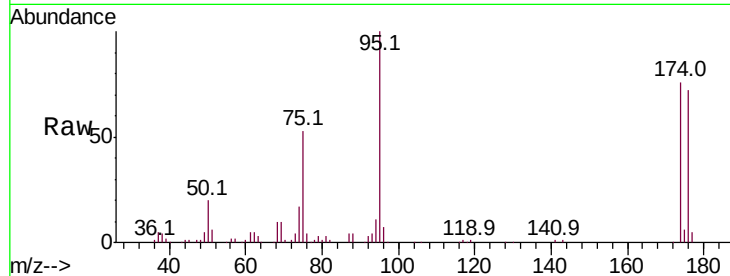
P001-SW001-01DL

Tot Ion: 75 Resp: 42431

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

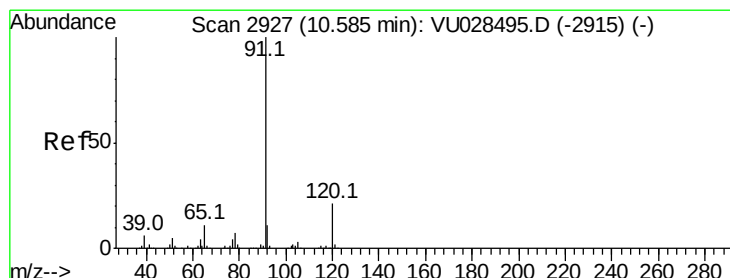
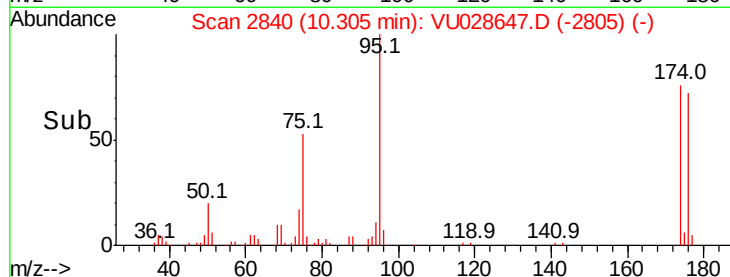
15000

10000

5000

0

Time-->



#78

n-propylbenzene

Concen: 0.754 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028647.D

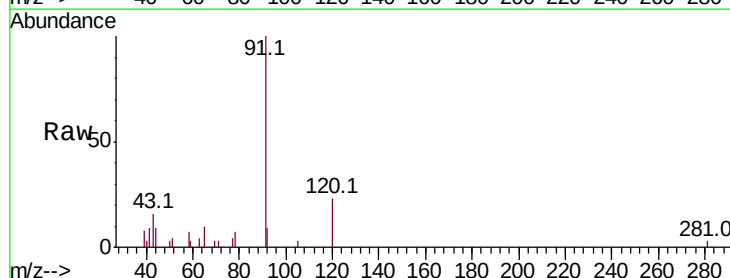
Acq: 12 Dec 2018 13:09

Tgt Ion: 91 Resp: 5106

Ion Ratio Lower Upper

91 100

120 20.7 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

4000

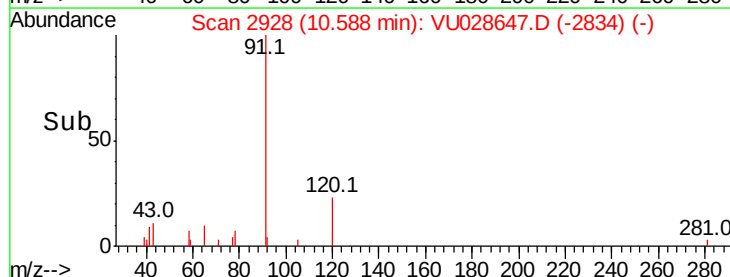
3000

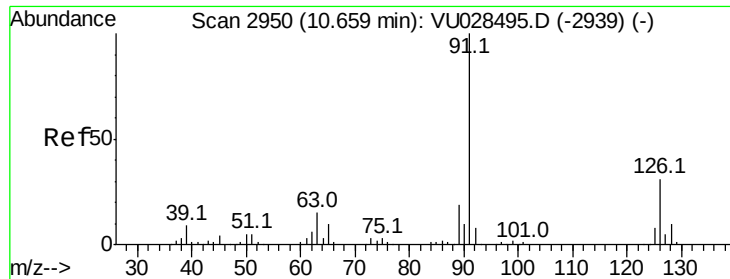
2000

1000

0

Time-->





#79

2-Chlorotoluene

Concen: 0.952 ug/l

RT: 10.68 min Scan# 2957

Delta R.T. 0.02 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

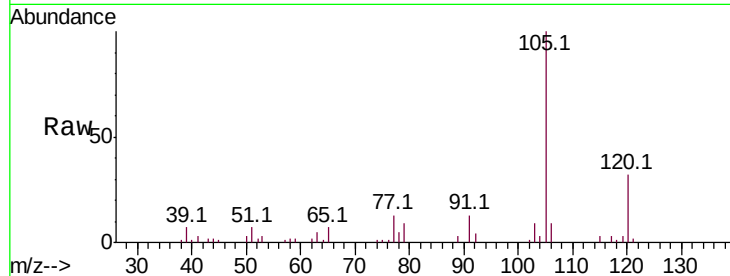
P001-SW001-01DL

Tot Ion: 91 Resp: 3715

Ion Ratio Lower Upper

91 100

126 0.0 15.6 46.8#



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028495.D (-2939) (-)

10.68

1500

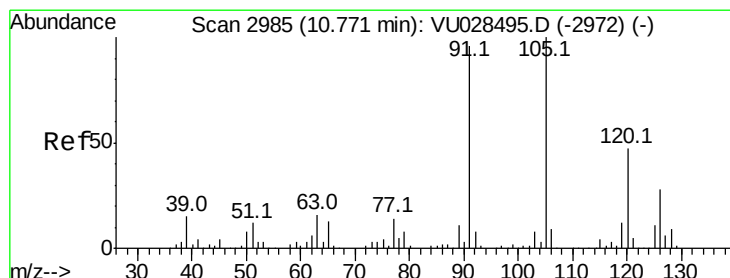
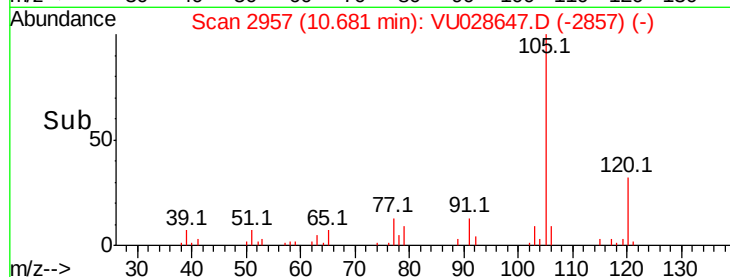
1000

500

0

10.65 10.70 10.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 2.125 ug/l

RT: 10.77 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU028647.D

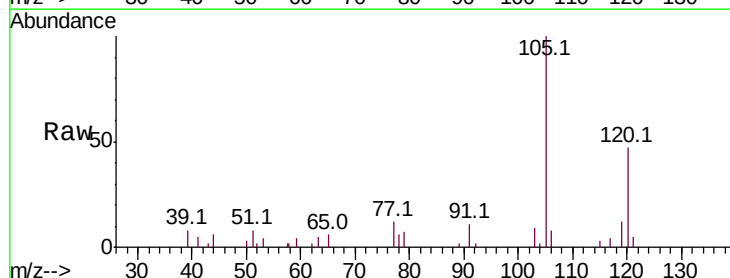
Acq: 12 Dec 2018 13:09

Tgt Ion: 105 Resp: 9591

Ion Ratio Lower Upper

105 100

120 47.6 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VU028495.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU028495.D (-2972) (-)

10.77

8000

6000

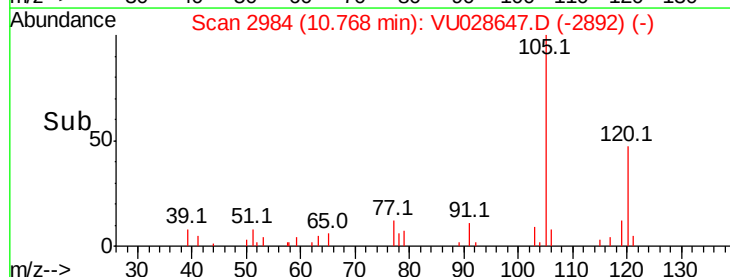
4000

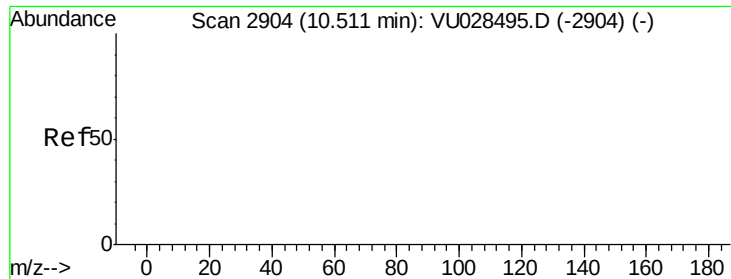
2000

0

10.75 10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 57.426 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

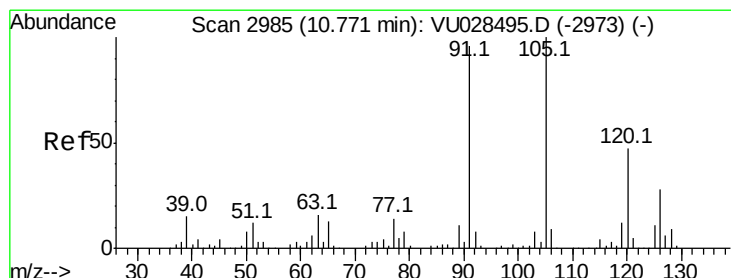
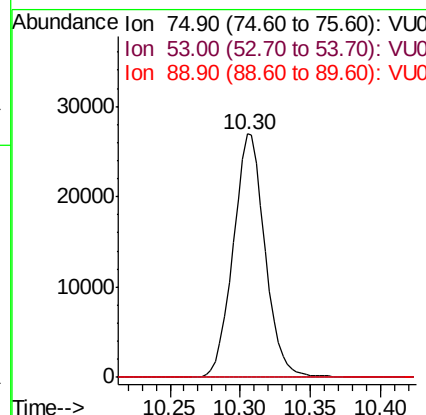
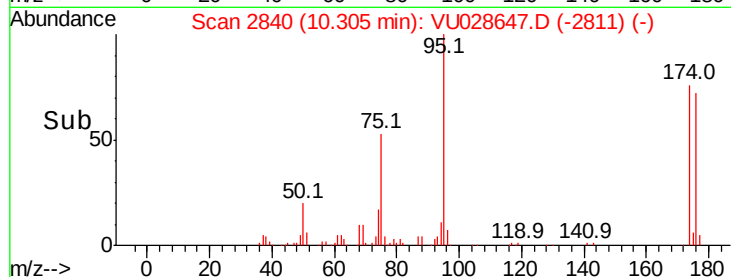
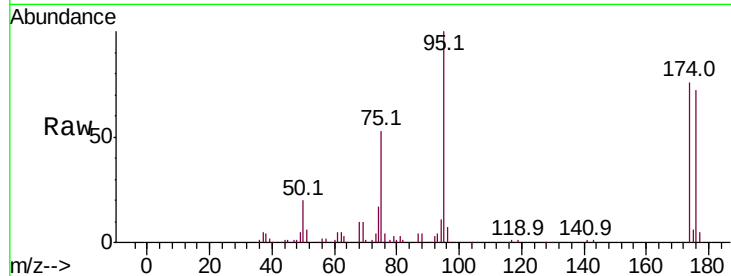
Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01DL

Tot Ion: 75 Resp: 42431

Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0



#82

4-Chlorotoluene

Concen: 0.248 ug/l

RT: 10.77 min Scan# 2986

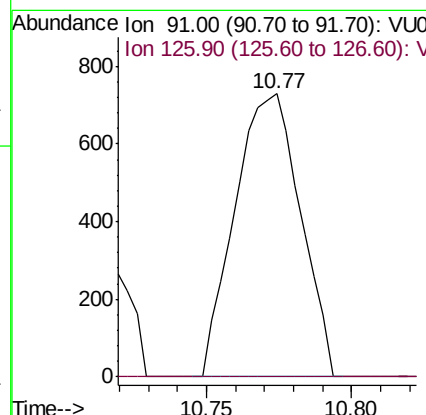
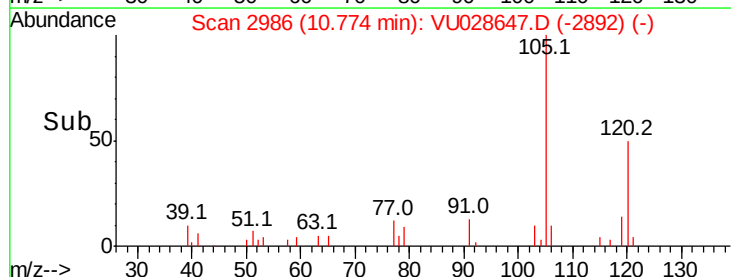
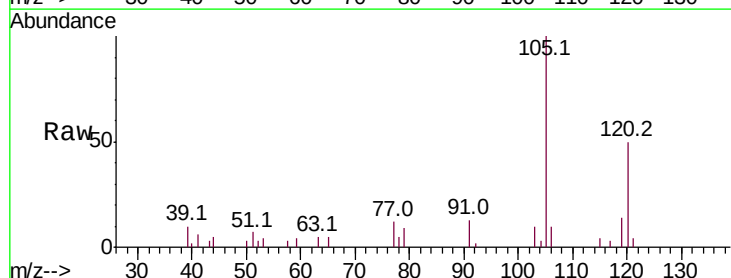
Delta R.T. 0.00 min

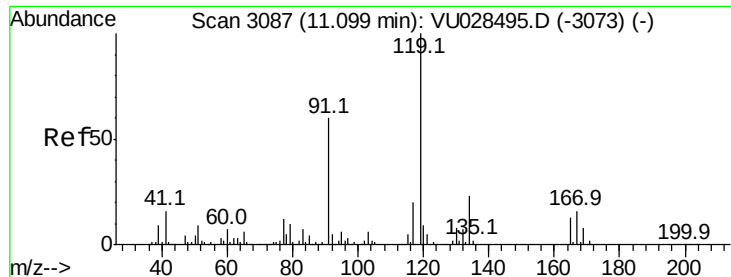
Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Tgt Ion: 91 Resp: 1145

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.1	42.3#





#83

tert-Butylbenzene

Concen: 0.787 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. 0.05 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01DL

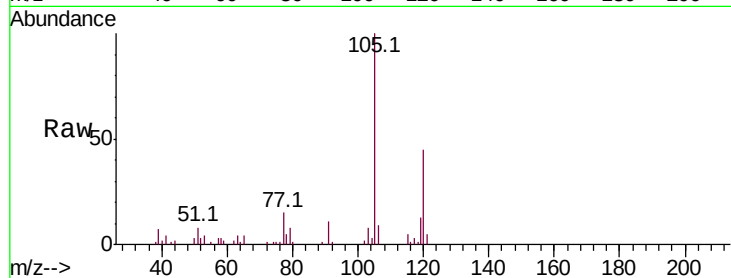
Tot Ion:119 Resp: 3424

Ion Ratio Lower Upper

119 100

91 88.9 30.3 91.0

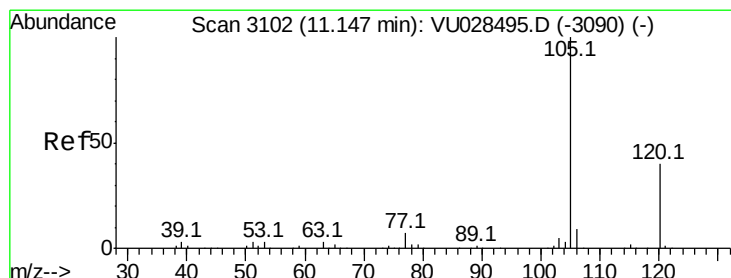
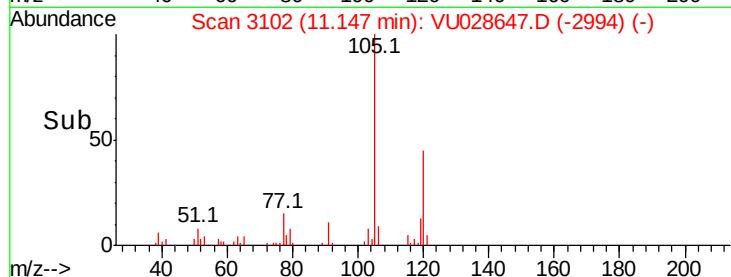
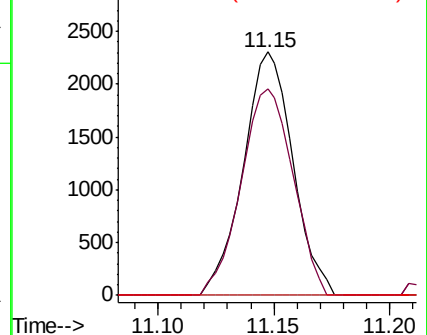
134 0.0 11.2 33.5#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 6.021 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU028647.D

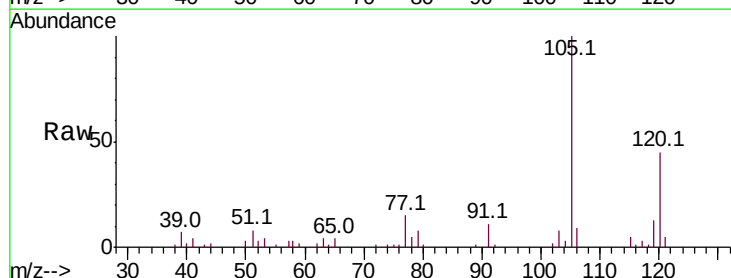
Acq: 12 Dec 2018 13:09

Tgt Ion:105 Resp: 28004

Ion Ratio Lower Upper

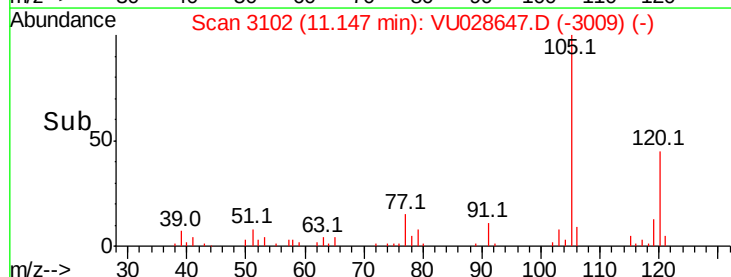
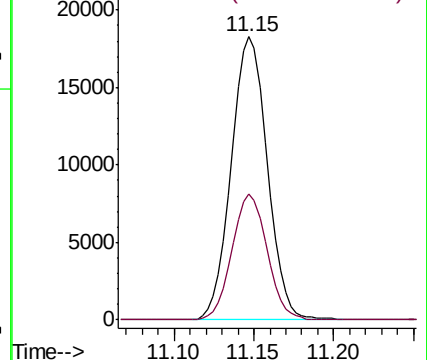
105 100

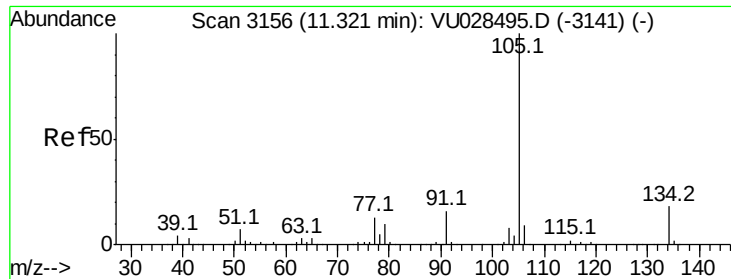
120 43.1 21.8 65.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.012 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.17 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

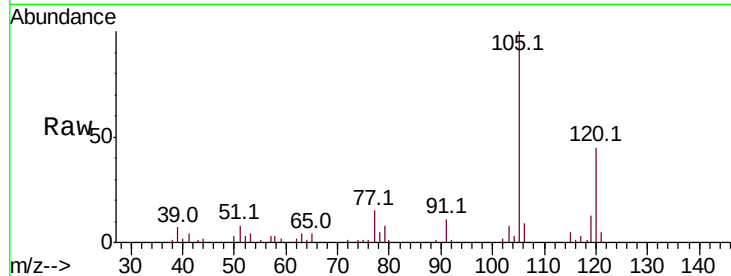
P001-SW001-01DL

Tot Ion:105 Resp: 28004

Ion Ratio Lower Upper

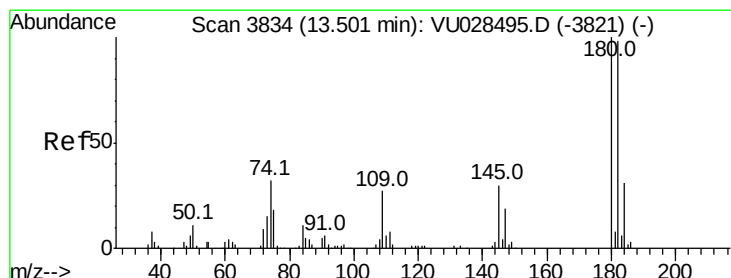
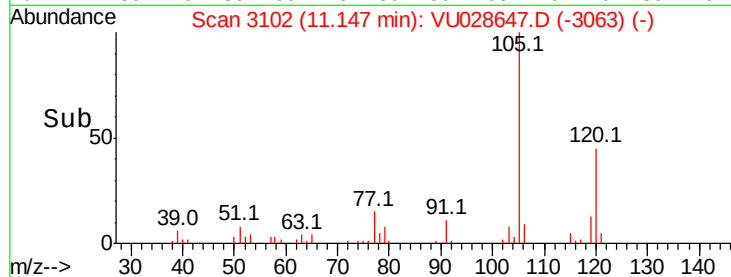
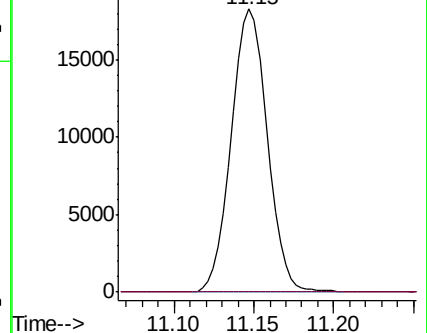
105 100

134 0.0 9.2 27.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#93

1,2,4-Trichlorobenzene

Concen: 0.946 ug/l

RT: 13.51 min Scan# 3836

Delta R.T. 0.01 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

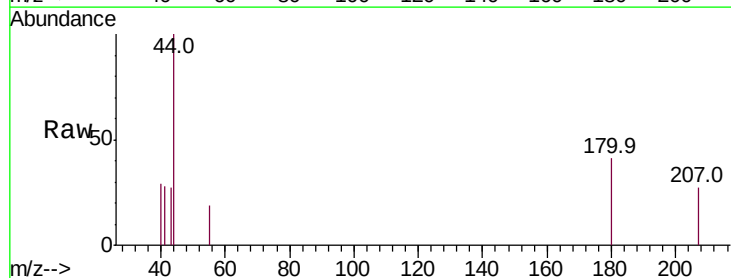
Tgt Ion:180 Resp: 172

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.8#

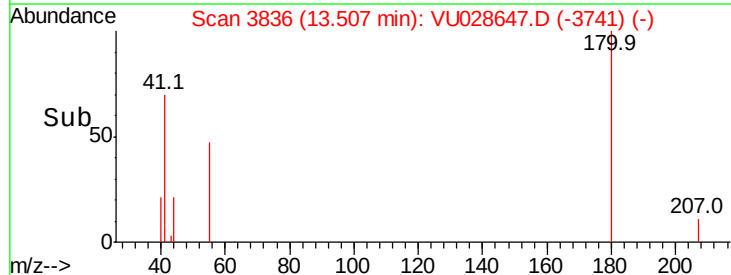
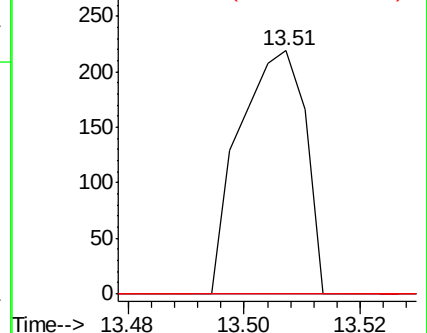
145 0.0 15.0 45.1#

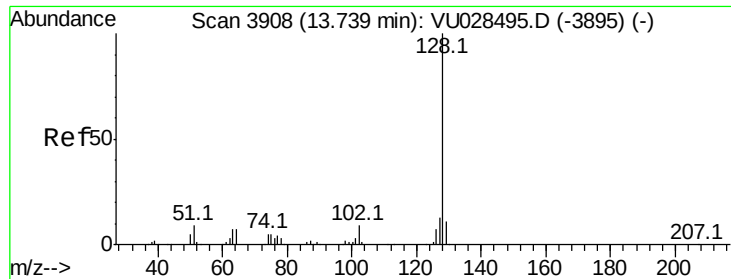


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 3.413 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01DL

Tot Ion:128 Resp: 19726

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 9.8 8.6 13.0

