

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010319\
 Data File : VU028997.D
 Acq On : 03 Jan 2019 15:06
 Operator : MD/SY
 Sample : I.BLK
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK49

Quant Time: Jan 04 02:27:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	139574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	233015	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	210091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	84645	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	84718	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
35) Dibromofluoromethane	4.88	113	74911	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
50) Toluene-d8	7.56	98	288604	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
62) 4-Bromofluorobenzene	10.30	95	93266	43.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	456	0.329	ug/l	87
4) Vinyl Chloride	1.40	62	563	0.276	ug/l	98
5) Bromomethane	1.61	94	414	Below Cal		96
7) Trichlorofluoromethane	1.88	101	486	0.219	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	462	0.311	ug/l #	64
11) Tert butyl alcohol	2.83	59	273	0.622	ug/l #	73
12) 1,1-Dichloroethene	2.29	96	425	0.294	ug/l #	67
13) Acrolein	2.19	56	555	1.685	ug/l	88
15) Acrylonitrile	2.95	53	648	0.602	ug/l #	71
16) Acetone	2.33	43	507	0.466	ug/l #	39
17) Carbon Disulfide	2.48	76	7078	0.930	ug/l	98
18) Methyl Acetate	2.62	43	619	0.245	ug/l #	65
20) Methylene Chloride	2.70	84	681	0.369	ug/l	94
21) trans-1,2-Dichloroethene	2.98	96	835	0.496	ug/l #	79
29) Tetrahydrofuran	4.66	42	290	0.326	ug/l #	30
31) Cyclohexane	4.99	56	2928	Below Cal	#	1
36) 1,1-Dichloropropene	5.13	75	532	0.228	ug/l #	81
38) Carbon Tetrachloride	4.98	117	12129	6.244	ug/l #	17
39) Methylcyclohexane	6.41	83	804	0.281	ug/l #	87
44) Trichloroethene	6.19	130	696	0.387	ug/l	58
49) 1,4-Dioxane	6.63	88	20	0.442	ug/l #	1
51) 4-Methyl-2-Pentanone	7.47	43	1679	0.629	ug/l	100
52) Toluene	7.64	92	926	0.209	ug/l	97
59) 2-Hexanone	8.37	43	2096	1.000	ug/l	95
64) Tetrachloroethene	8.23	164	654	0.432	ug/l #	80
65) Chlorobenzene	9.12	112	1546	0.328	ug/l	91
67) Ethyl Benzene	9.25	91	2149	0.273	ug/l	94
68) m/p-Xylenes	9.38	106	1581	0.518	ug/l	84
70) Styrene	9.80	104	1318	0.273	ug/l #	80
73) Isopropylbenzene	10.17	105	2255	0.360	ug/l	96
74) N-amyl acetate	10.02	43	1184	0.439	ug/l #	85
76) 1,2,3-Trichloropropane	10.30	75	42941	20.705	ug/l #	36
77) Bromobenzene	10.45	156	637	0.390	ug/l	80
78) n-propylbenzene	10.59	91	3734	0.506	ug/l	93

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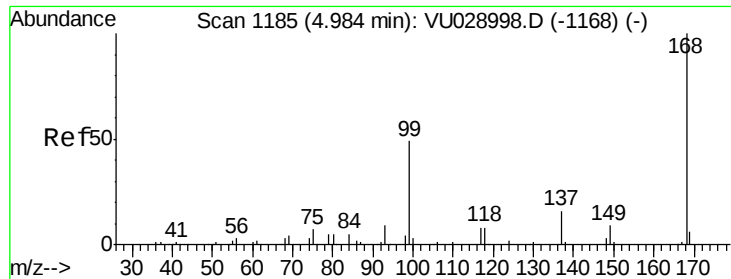
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK49

Quant Time: Jan 04 02:27:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

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

79) 2-Chlorotoluene	10.66	91	1966	0.439	ug/l	97
80) 1,3,5-Trimethylbenzene	10.77	105	2062	0.394	ug/l	90
81) trans-1,4-Dichloro-2-buten	10.30	75	42941	53.399	ug/l #	100
82) 4-Chlorotoluene	10.77	91	3121	0.608	ug/l	93
83) tert-Butylbenzene	11.10	119	2004	0.389	ug/l	89
84) 1,2,4-Trimethylbenzene	11.15	105	2196	0.420	ug/l	92
85) sec-Butylbenzene	11.32	105	3568	0.572	ug/l	93
86) p-Isopropyltoluene	11.48	119	2896	0.545	ug/l	94
87) 1,3-Dichlorobenzene	11.42	146	2377	0.794	ug/l	95
88) 1,4-Dichlorobenzene	11.42	146	2377	0.769	ug/l	95
89) n-Butylbenzene	11.89	91	3302	0.696	ug/l	98
90) Hexachloroethane	12.15	117	187	0.209	ug/l #	7
91) 1,2-Dichlorobenzene	11.88	146	1860	0.617	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	12.66	75	208	0.431	ug/l	84
93) 1,2,4-Trichlorobenzene	13.51	180	3309	1.718	ug/l	96
94) Hexachlorobutadiene	13.69	225	1088	1.235	ug/l	98
95) Naphthalene	13.75	128	17430	2.661	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	5041	3.279	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

Instrument :

MSVOA_U

ClientSampleId :

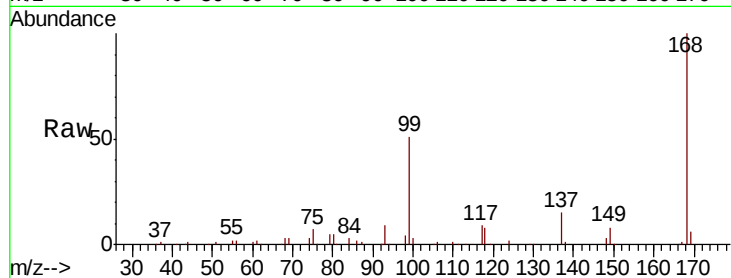
VBLK49

Tgt Ion:168 Resp: 139574

Ion Ratio Lower Upper

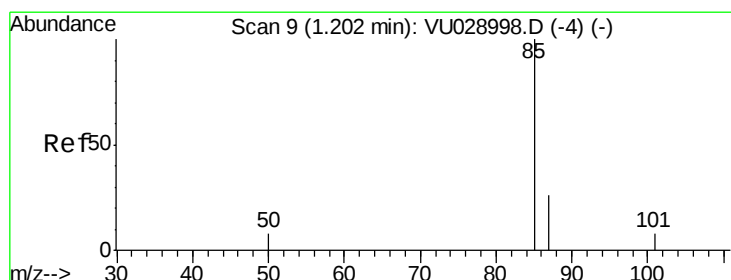
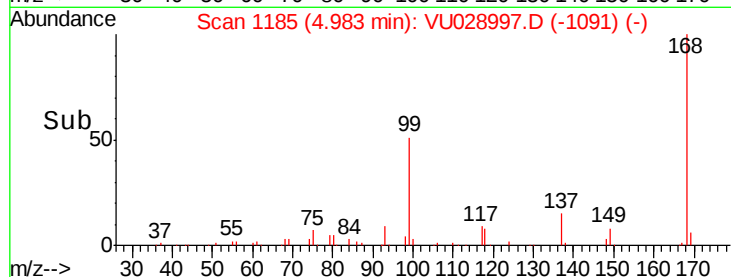
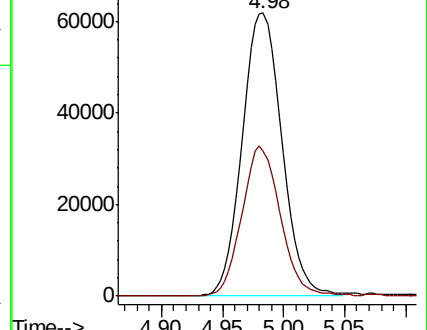
168 100

99 51.4 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)



#2

Dichlorodifluoromethane

Concen: 0.329 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028997.D

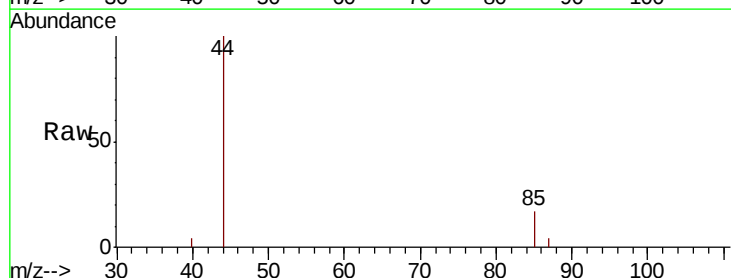
Acq: 03 Jan 2019 15:06

Tgt Ion: 85 Resp: 456

Ion Ratio Lower Upper

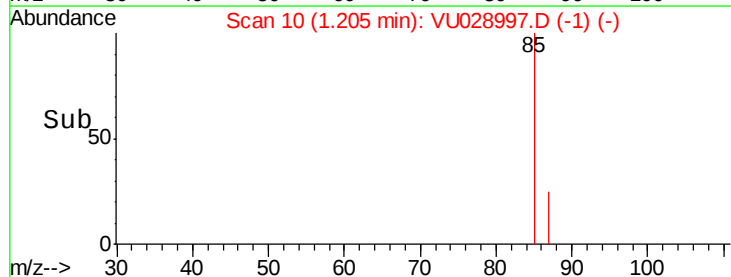
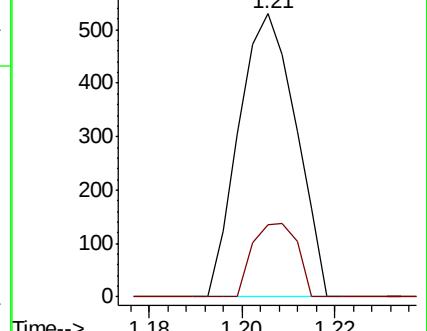
85 100

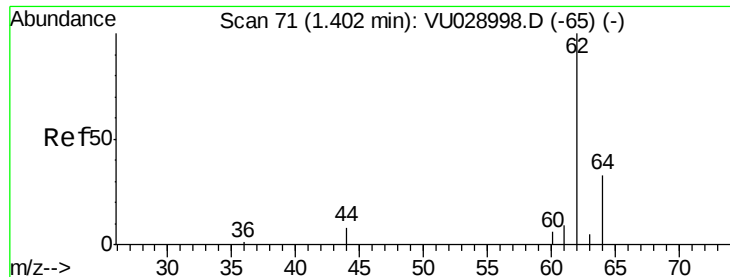
87 25.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028998.D (-4) (-)

Ion 86.90 (86.60 to 87.60): VU028998.D (-4) (-)





#4

Vinyl Chloride

Concen: 0.276 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

Instrument :

MSVOA_U

ClientSampleId :

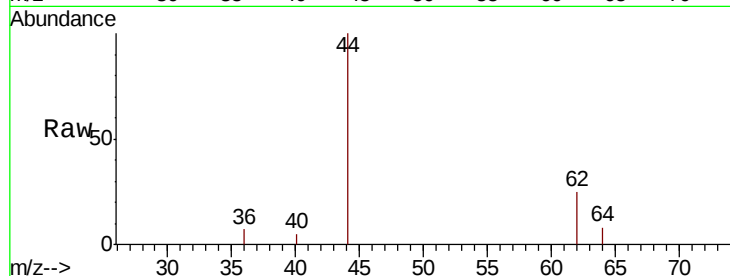
VBLK49

Tgt Ion: 62 Resp: 563

Ion Ratio Lower Upper

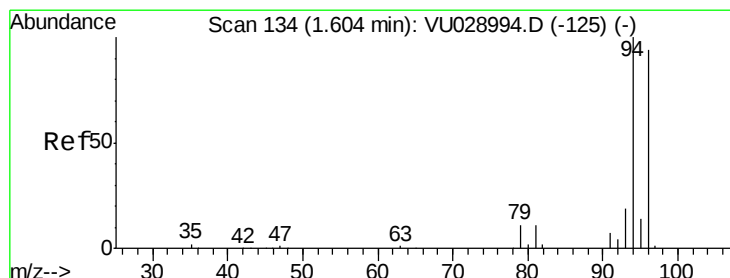
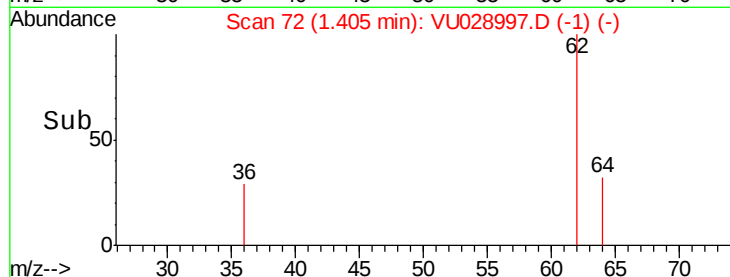
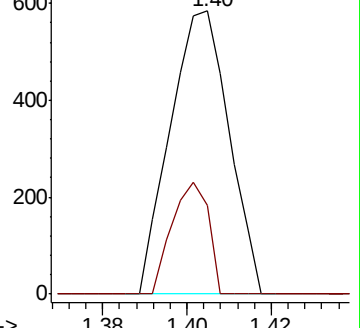
62 100

64 31.5 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 137

Delta R.T. 0.01 min

Lab File: VU028997.D

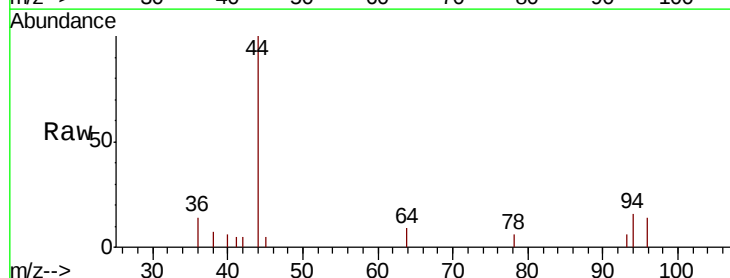
Acq: 03 Jan 2019 15:06

Tgt Ion: 94 Resp: 414

Ion Ratio Lower Upper

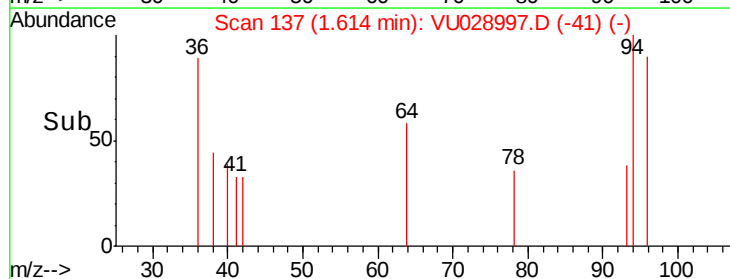
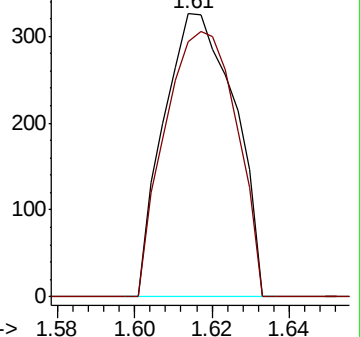
94 100

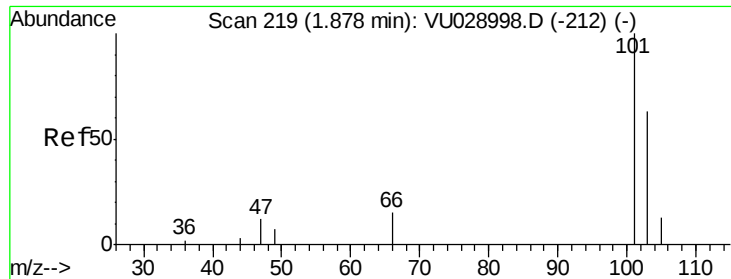
96 90.2 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0





#7

Trichlorofluoromethane

Concen: 0.219 ug/l

RT: 1.88 min Scan# 221

Delta R.T. 0.01 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

Instrument :

MSVOA_U

ClientSampleId :

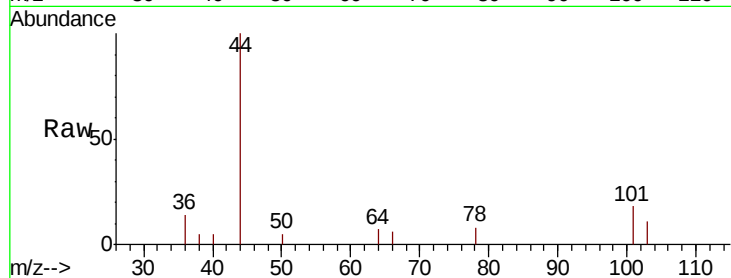
VBLK49

Tgt Ion:101 Resp: 486

Ion Ratio Lower Upper

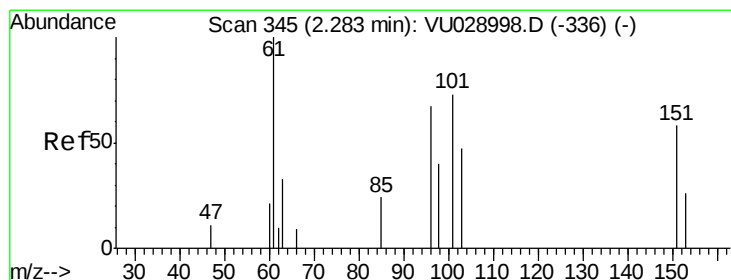
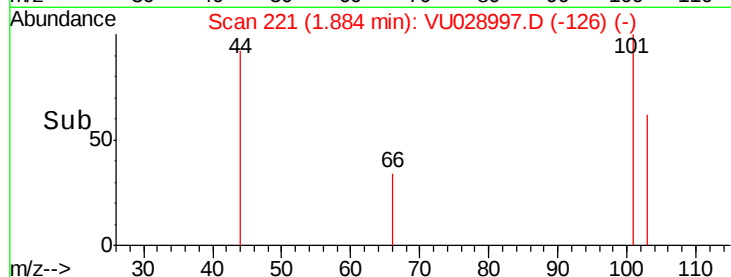
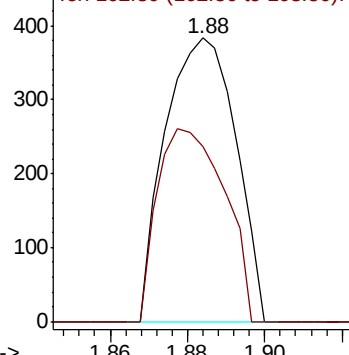
101 100

103 61.6 51.5 77.3



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: 0.311 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

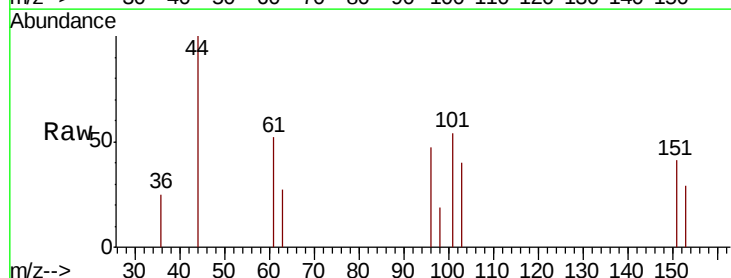
Tgt Ion:101 Resp: 462

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

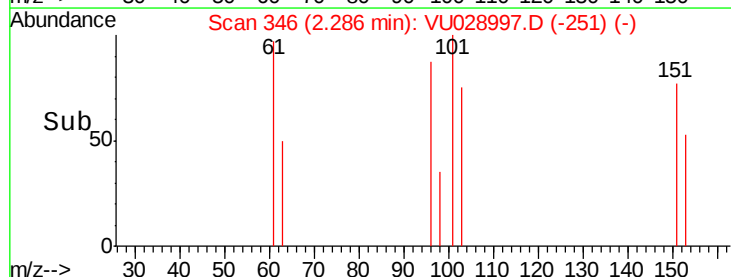
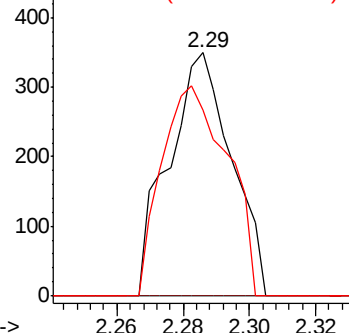
151 90.5 60.2 90.2#

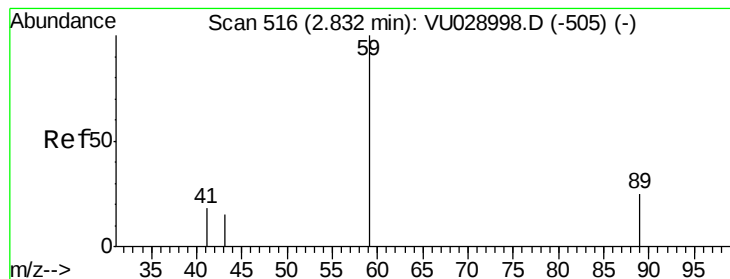


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU

Ion 150.80 (150.50 to 151.50): V



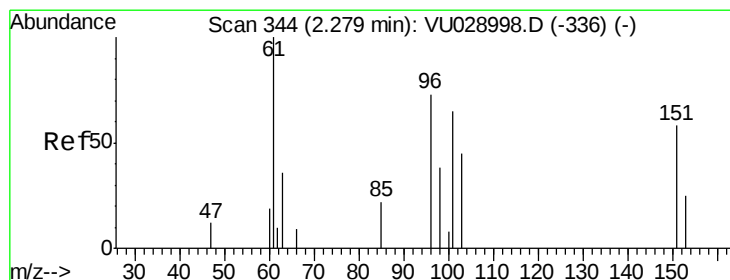
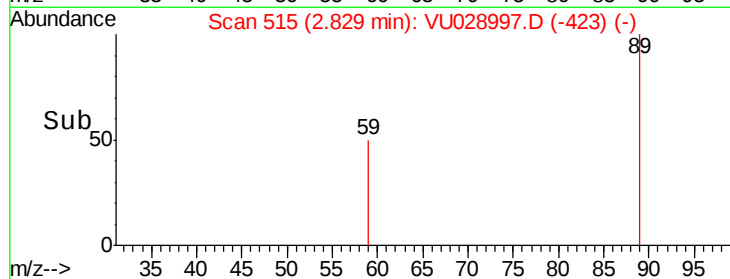
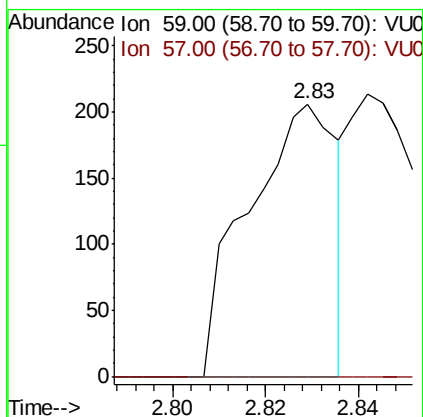
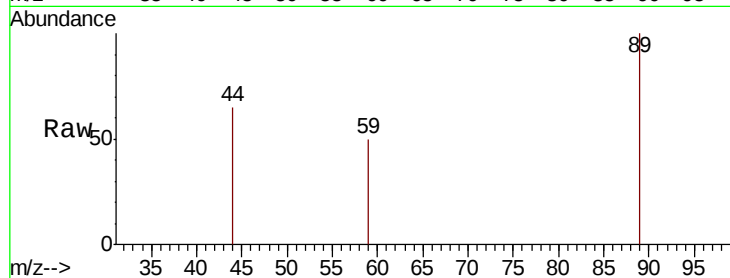


#11

Tert butyl alcohol
 Concen: 0.622 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU028997.D
 Acq: 03 Jan 2019 15:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK49

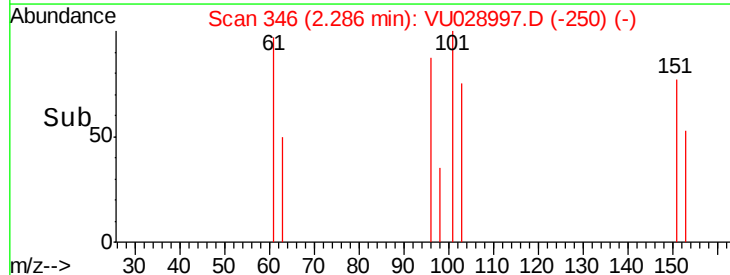
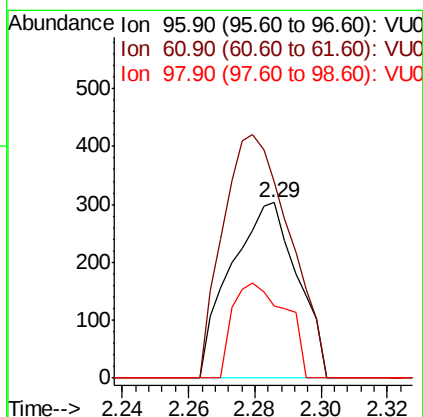
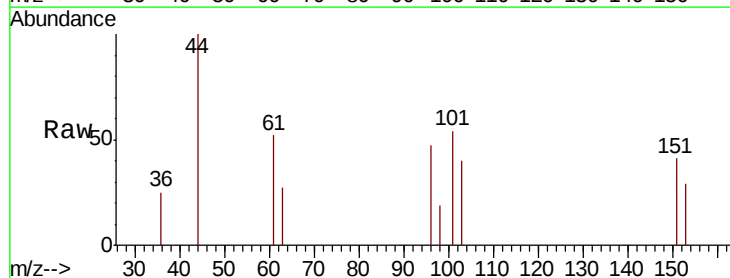
Tgt Ion: 59 Resp: 273
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

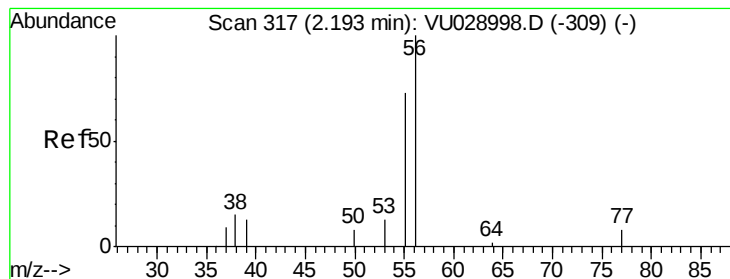


#12

1,1-Dichloroethene
 Concen: 0.294 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.01 min
 Lab File: VU028997.D
 Acq: 03 Jan 2019 15:06

Tgt Ion: 96 Resp: 425
 Ion Ratio Lower Upper
 96 100
 61 111.6 125.4 188.0#
 98 40.9 49.7 74.5#





#13

Acrolein

Concen: 1.685 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

Instrument :

MSVOA_U

ClientSampled :

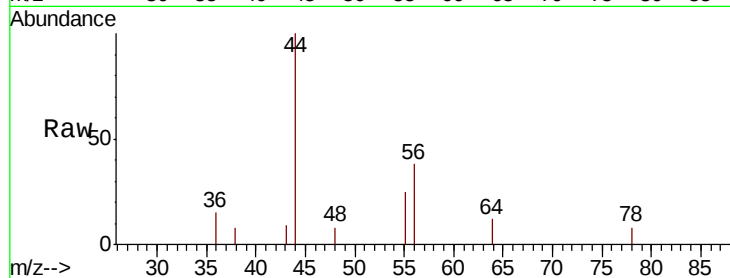
VBLK49

Tgt Ion: 56 Resp: 555

Ion Ratio Lower Upper

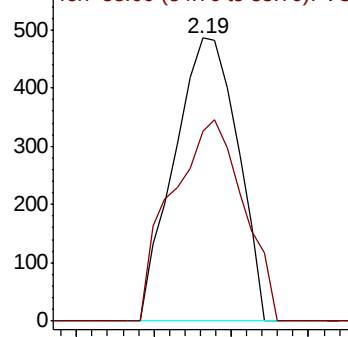
56 100

55 80.7 56.5 84.7

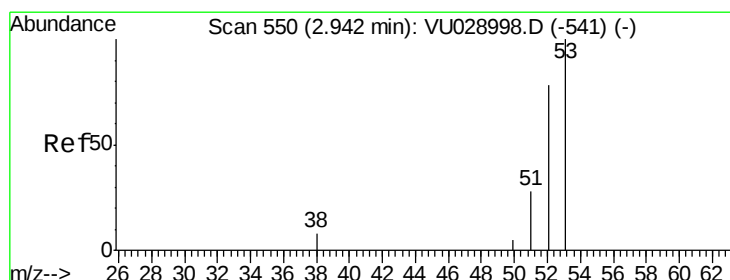
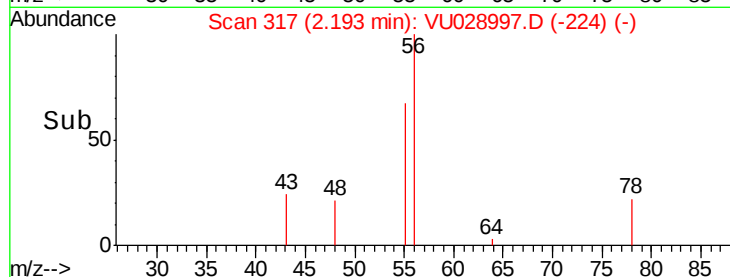


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



Time-->



#15

Acrylonitrile

Concen: 0.602 ug/l

RT: 2.95 min Scan# 554

Delta R.T. 0.02 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

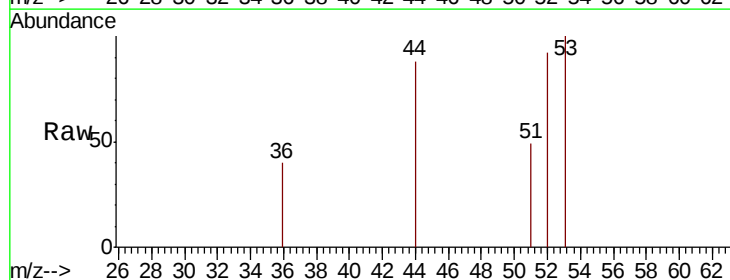
Tgt Ion: 53 Resp: 648

Ion Ratio Lower Upper

53 100

52 56.5 64.8 97.2#

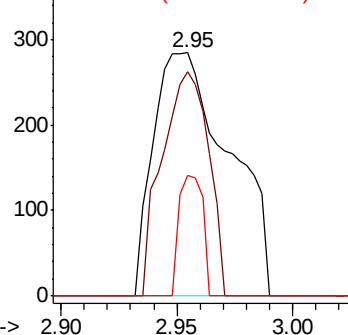
51 15.3 27.3 40.9#



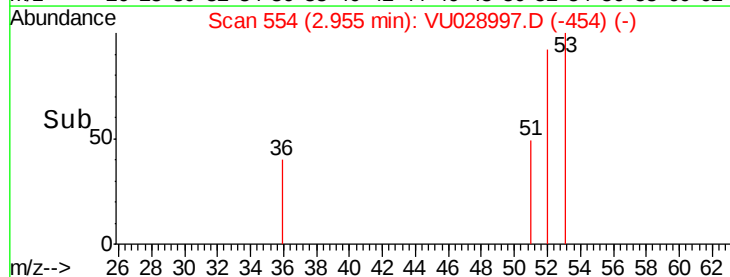
Abundance Ion 53.00 (52.70 to 53.70): VU0

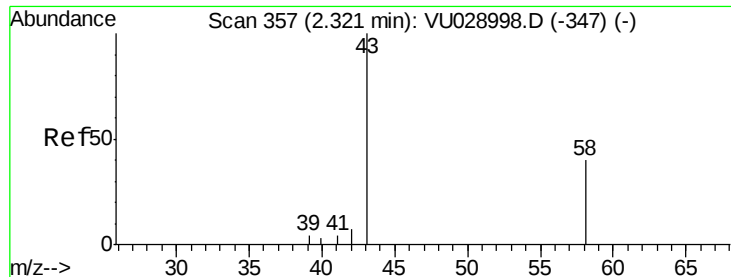
Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



Time-->





#16

Acetone

Concen: 0.466 ug/l

RT: 2.33 min Scan# 359

Delta R.T. 0.01 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

Instrument :

MSVOA_U

ClientSampleId :

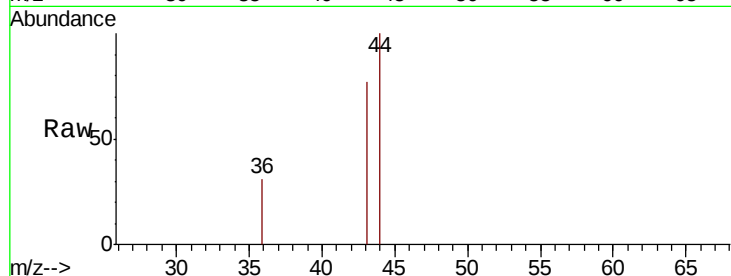
VBLK49

Tgt Ion: 43 Resp: 507

Ion Ratio Lower Upper

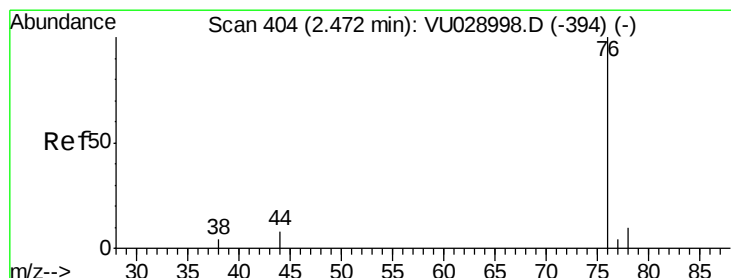
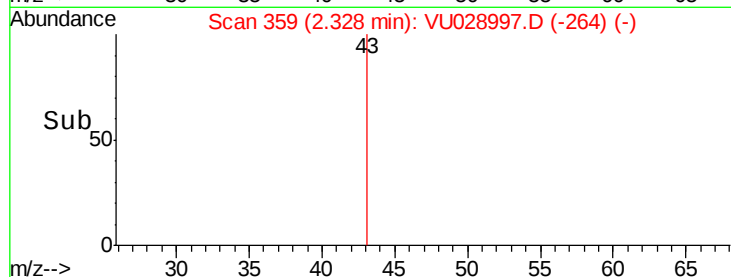
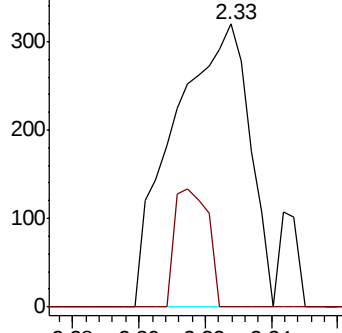
43 100

58 0.0 28.6 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

Carbon Disulfide

Concen: 0.930 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU028997.D

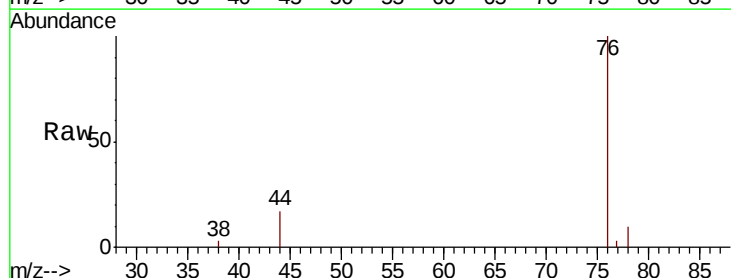
Acq: 03 Jan 2019 15:06

Tgt Ion: 76 Resp: 7078

Ion Ratio Lower Upper

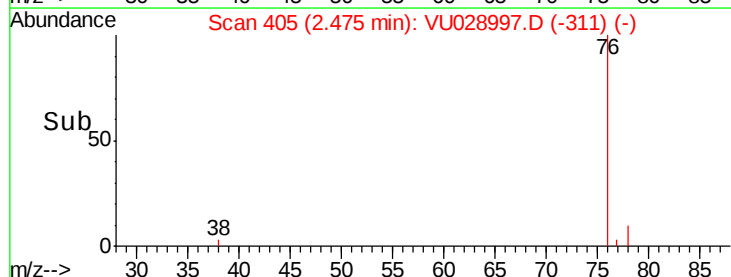
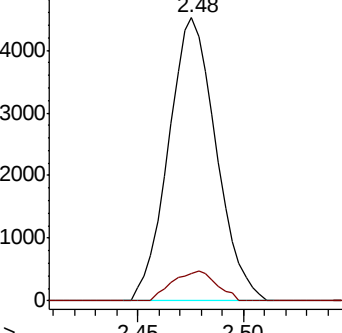
76 100

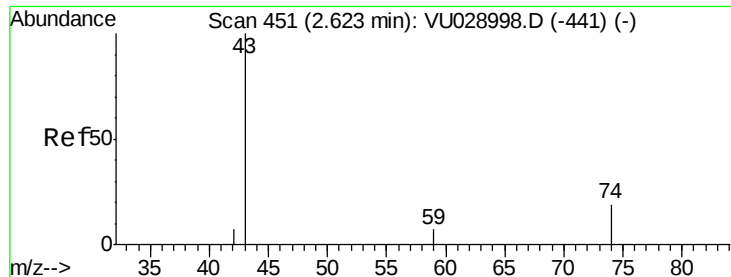
78 9.7 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

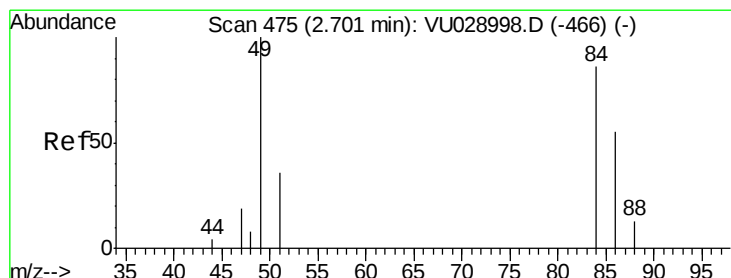
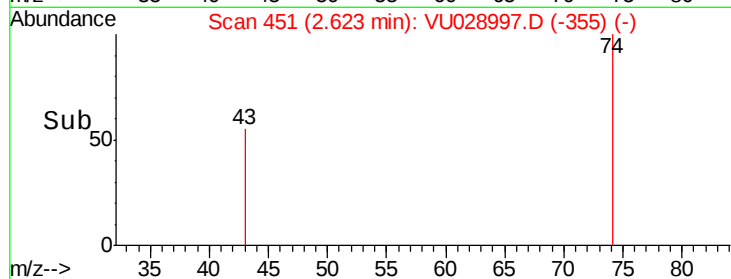
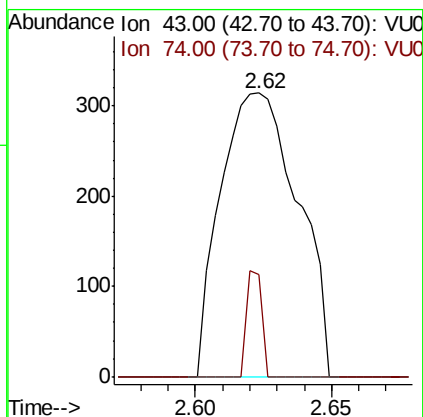
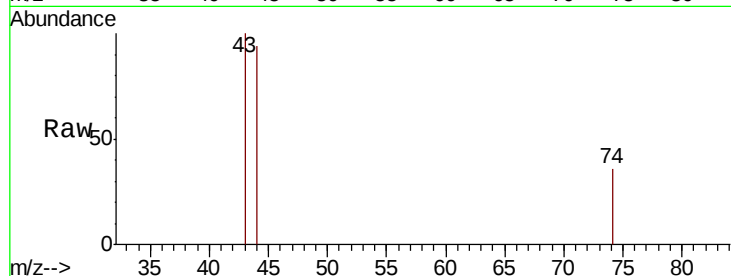




#18
Methyl Acetate
Concen: 0.245 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU028997.D
Acq: 03 Jan 2019 15:06

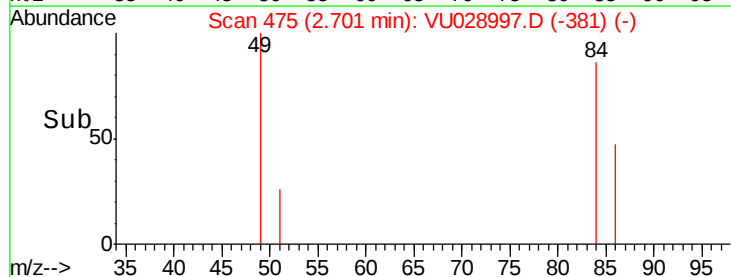
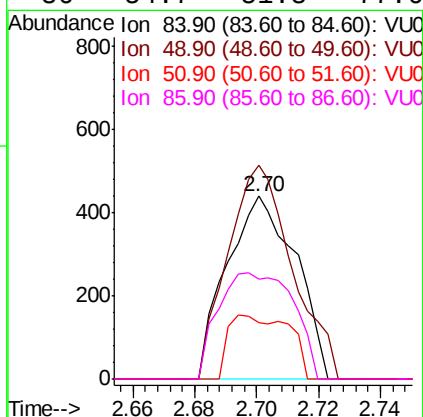
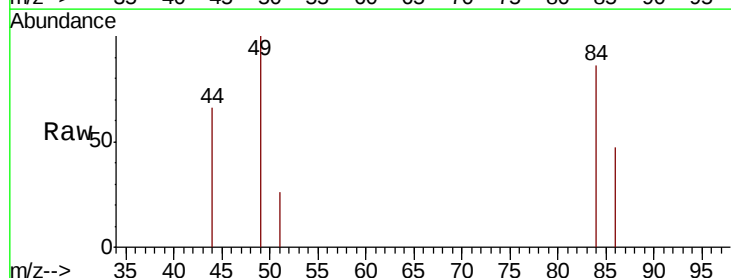
Instrument :
MSVOA_U
ClientSampleId :
VBLK49

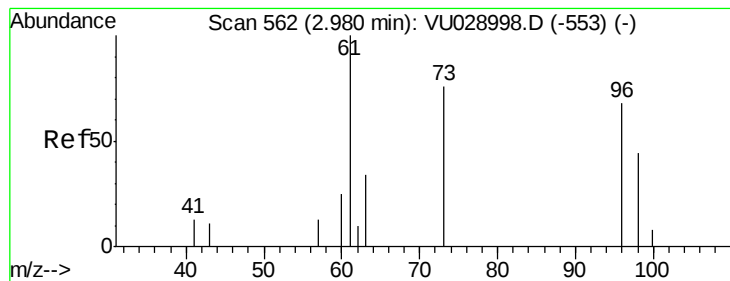
Tgt Ion: 43 Resp: 619
Ion Ratio Lower Upper
43 100
74 7.1 19.5 29.3#



#20
Methylene Chloride
Concen: 0.369 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028997.D
Acq: 03 Jan 2019 15:06

Tgt Ion: 84 Resp: 681
Ion Ratio Lower Upper
84 100
49 116.9 91.9 137.9
51 30.8 29.2 43.8
86 54.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 0.496 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

Instrument :

MSVOA_U

ClientSampleId :

VBLK49

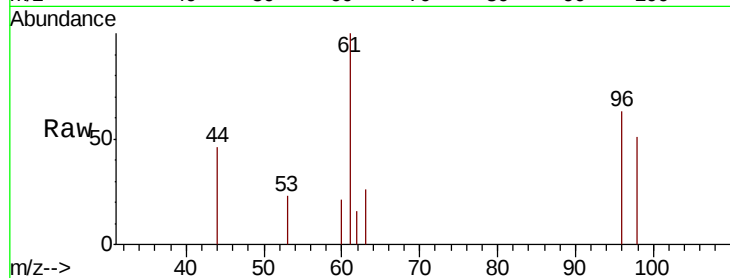
Tgt Ion: 96 Resp: 835

Ion Ratio Lower Upper

96 100

61 157.6 107.7 161.5

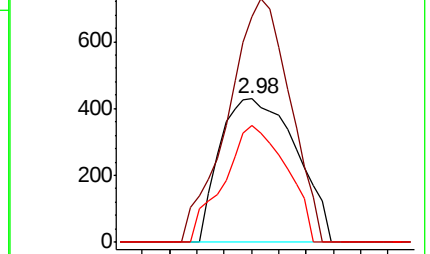
98 81.1 49.2 73.8#



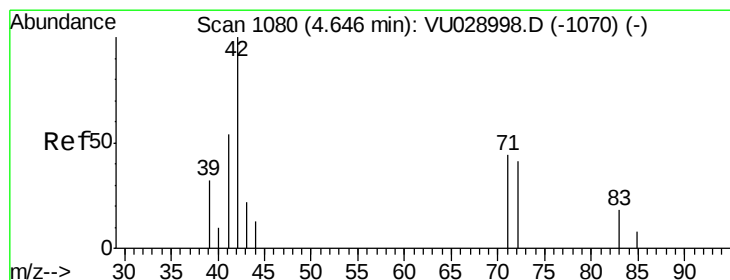
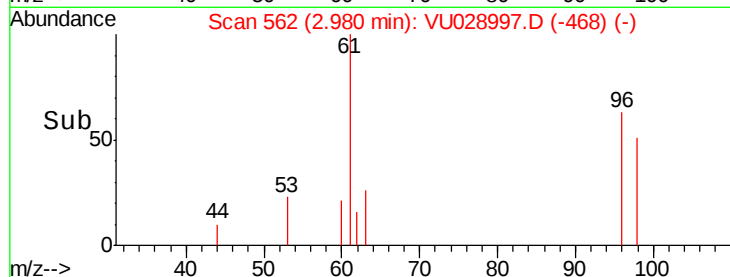
Abundance Ion 95.90 (95.60 to 96.60): VU028997.D (-468) (-)

Ion 60.90 (60.60 to 61.60): VU028997.D (-468) (-)

Ion 97.90 (97.60 to 98.60): VU028997.D (-468) (-)



Time-->



#29

Tetrahydrofuran

Concen: 0.326 ug/l

RT: 4.66 min Scan# 1084

Delta R.T. 0.03 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

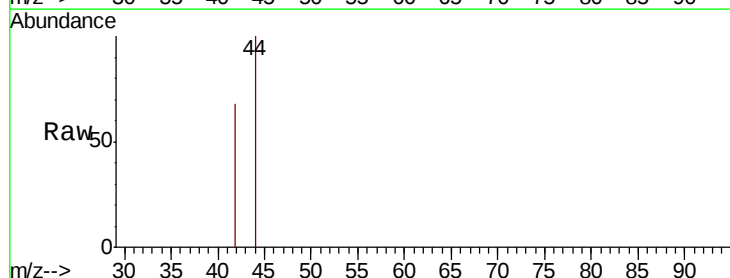
Tgt Ion: 42 Resp: 290

Ion Ratio Lower Upper

42 100

72 0.0 38.3 57.5#

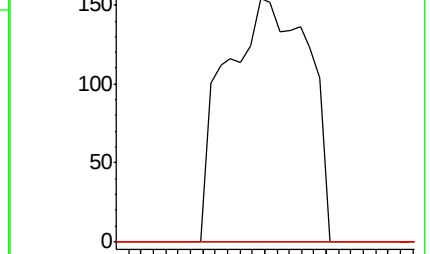
71 0.0 36.1 54.1#



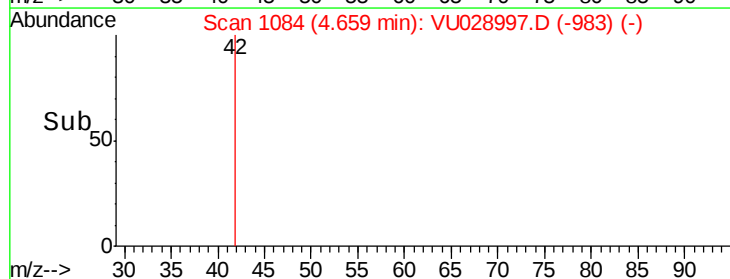
Abundance Ion 42.00 (41.70 to 42.70): VU028997.D (-983) (-)

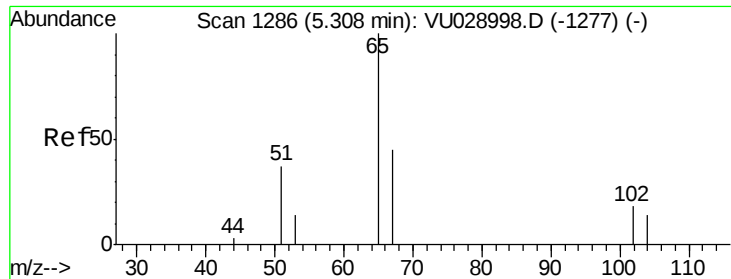
Ion 72.00 (71.70 to 72.70): VU028997.D (-983) (-)

Ion 71.00 (70.70 to 71.70): VU028997.D (-983) (-)



Time-->

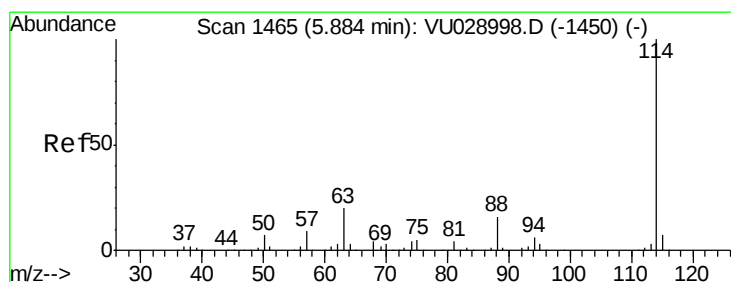
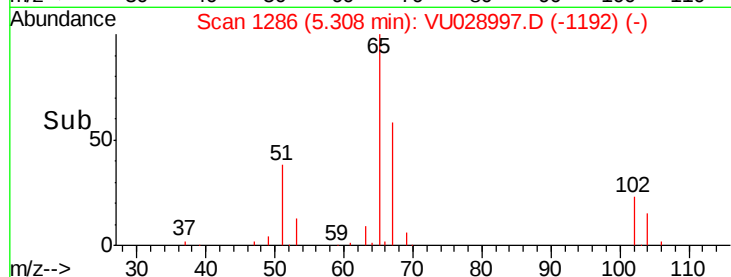
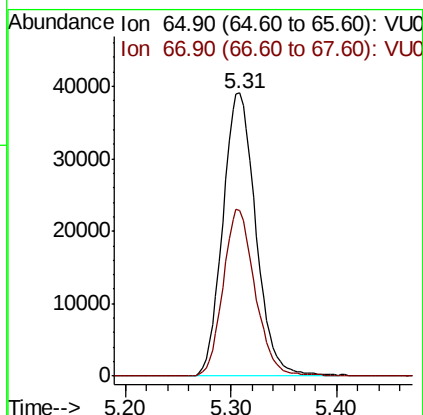
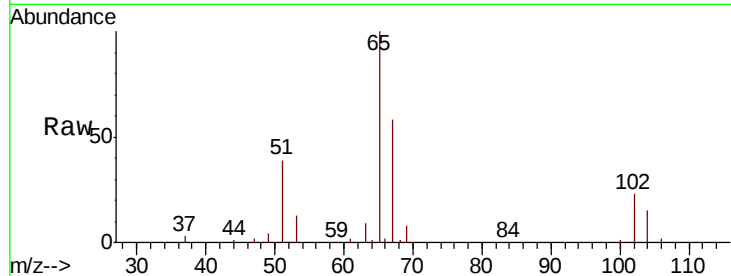




#33
 1,2-Dichloroethane-d4
 Concen: 49.100 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028997.D
 Acq: 03 Jan 2019 15:06

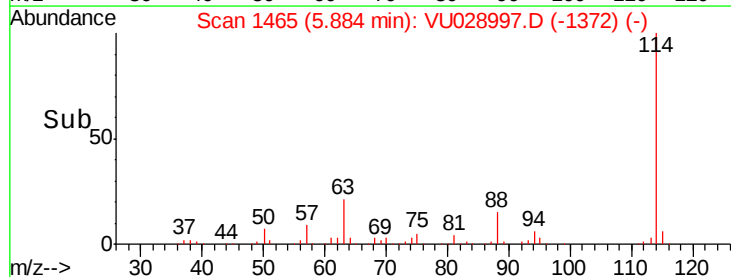
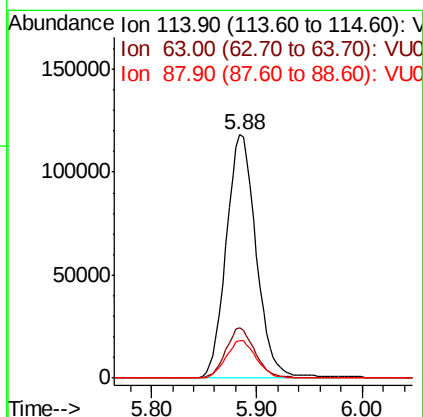
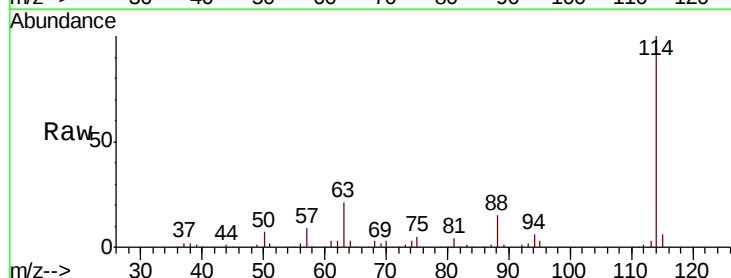
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK49

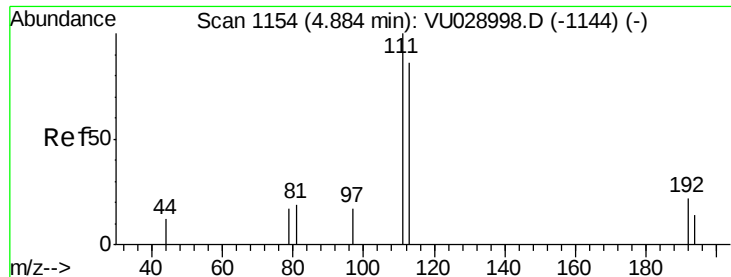
Tgt Ion: 65 Resp: 84718
 Ion Ratio Lower Upper
 65 100
 67 57.0 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028997.D
 Acq: 03 Jan 2019 15:06

Tgt Ion: 114 Resp: 233015
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.2
 88 15.5 0.0 30.4

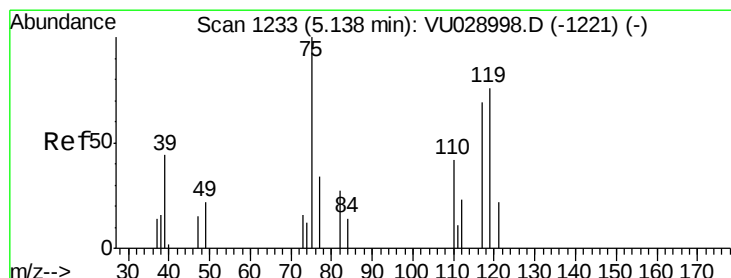
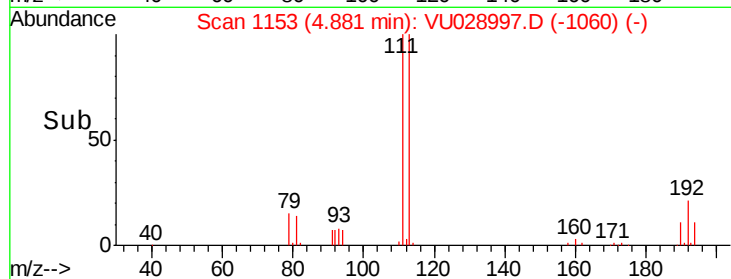
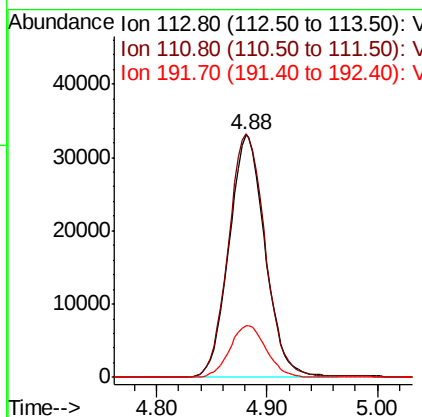
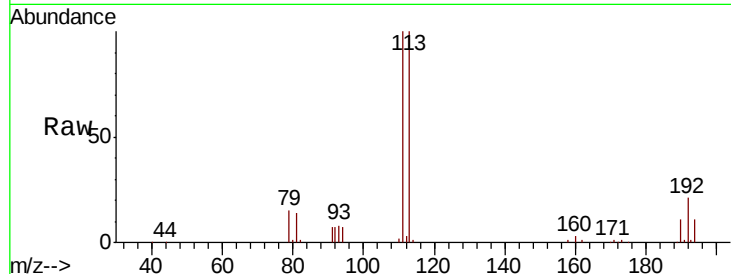




#35
 Dibromofluoromethane
 Concen: 49.594 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028997.D
 Acq: 03 Jan 2019 15:06

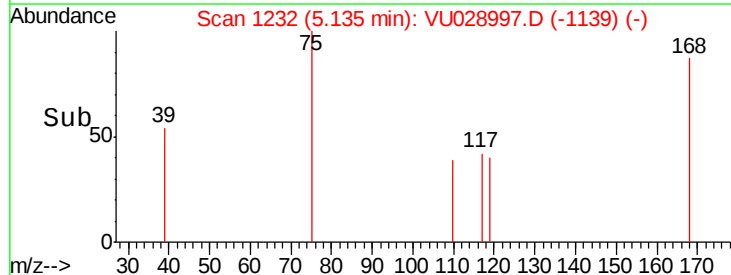
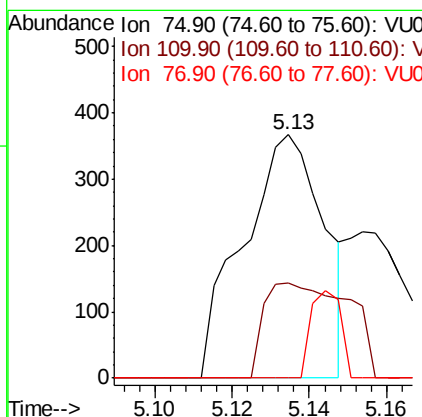
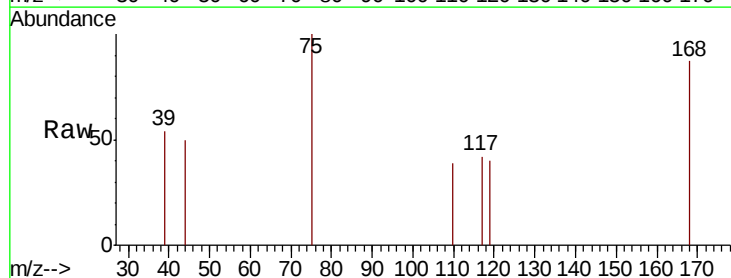
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK49

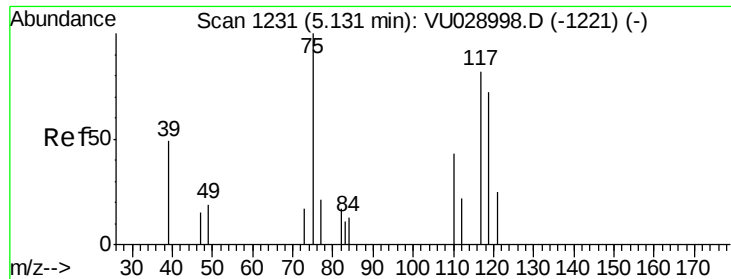
Tgt Ion: 113 Resp: 74911
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.4 122.2
 192 21.6 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 0.228 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028997.D
 Acq: 03 Jan 2019 15:06

Tgt Ion: 75 Resp: 532
 Ion Ratio Lower Upper
 75 100
 110 41.2 18.4 55.4
 77 13.2 25.1 37.7#

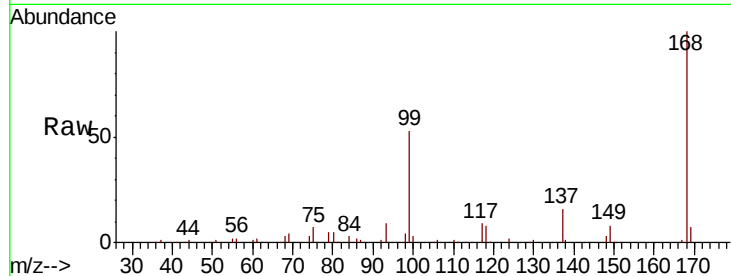




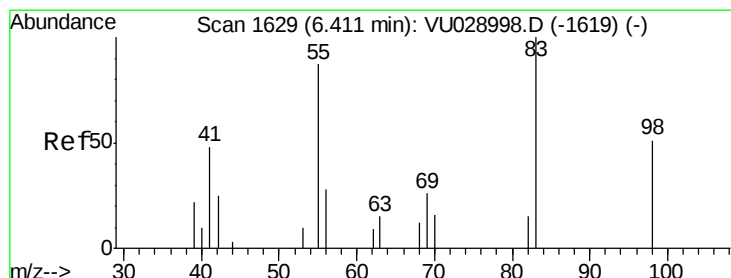
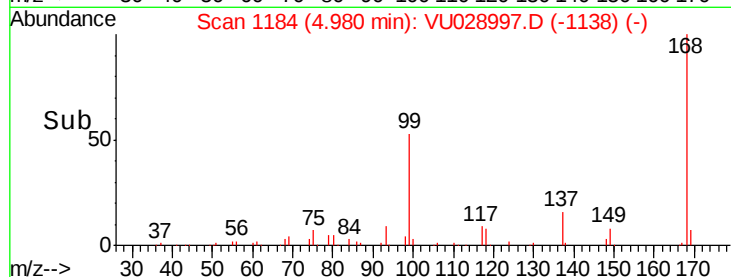
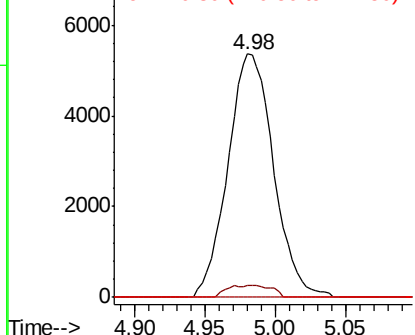
#38
Carbon Tetrachloride
Concen: 6.244 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.15 min
Lab File: VU028997.D
Acq: 03 Jan 2019 15:06

Instrument :
MSVOA_U
ClientSampleId :
VBLK49

Tgt Ion: 117 Resp: 12129
Ion Ratio Lower Upper
117 100
119 4.8 74.6 111.8#
121 0.0 25.0 37.6#

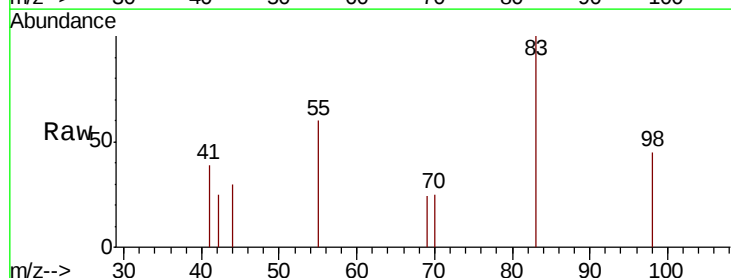


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

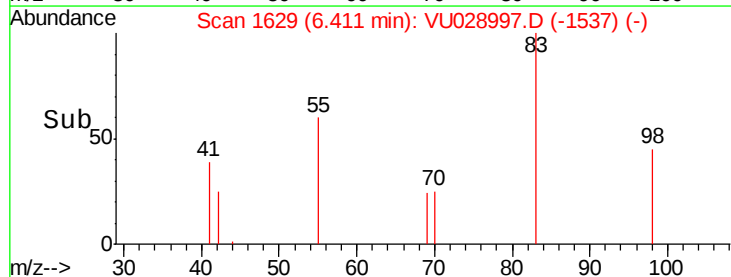
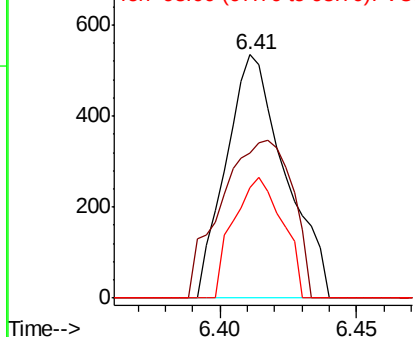


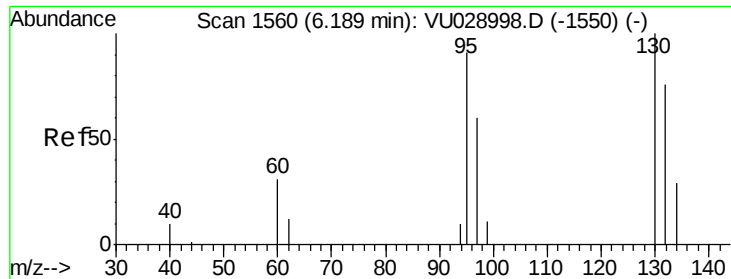
#39
Methylcyclohexane
Concen: 0.281 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU028997.D
Acq: 03 Jan 2019 15:06

Tgt Ion: 83 Resp: 804
Ion Ratio Lower Upper
83 100
55 59.8 62.4 93.6#
98 45.2 36.2 54.2



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





#44

Trichloroethene

Concen: 0.387 ug/l

RT: 6.19 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

Instrument :

MSVOA_U

ClientSampleId :

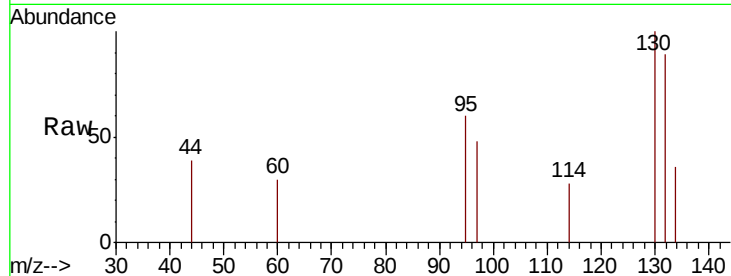
VBLK49

Tgt Ion: 130 Resp: 696

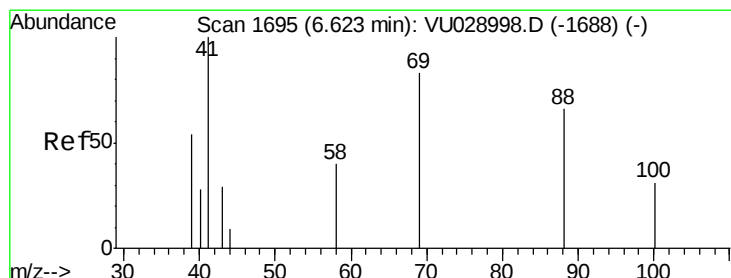
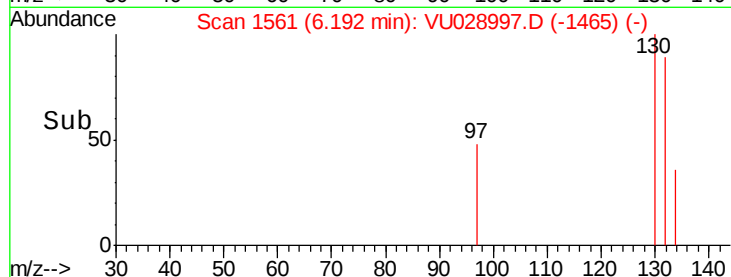
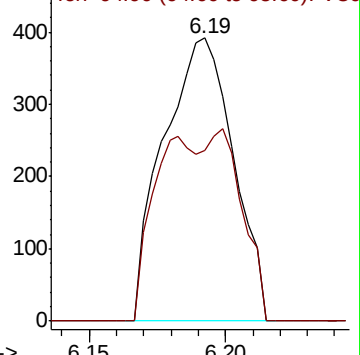
Ion Ratio Lower Upper

130 100

95 60.2 0.0 205.0



Abundance Ion 129.80 (129.50 to 130.50): VU028997.D (-1550) (-)



#49

1,4-Dioxane

Concen: 0.442 ug/l

RT: 6.63 min Scan# 1698

Delta R.T. 0.02 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

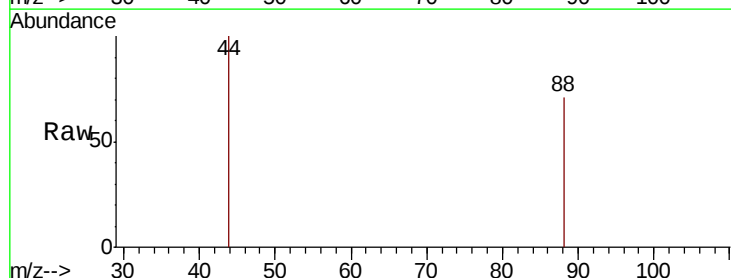
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

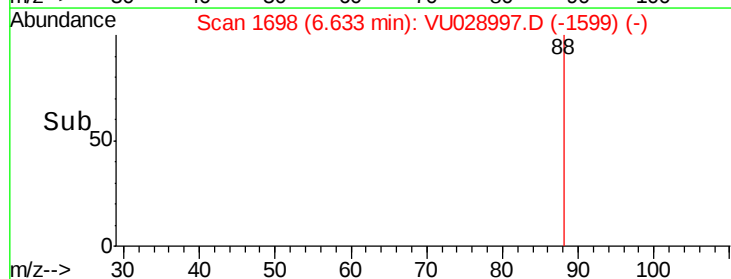
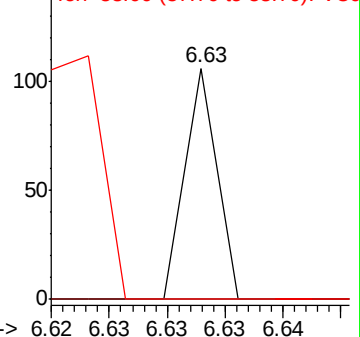
88 100

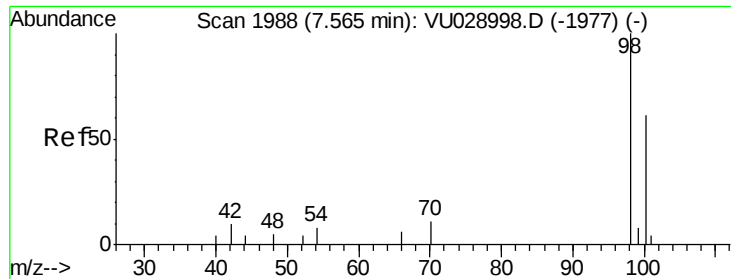
43 0.0 23.0 34.4#

58 210.0 57.9 86.9#



Abundance Ion 88.00 (87.70 to 88.70): VU028997.D (-1599) (-)

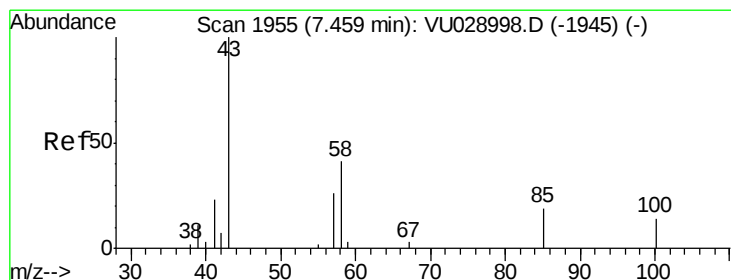
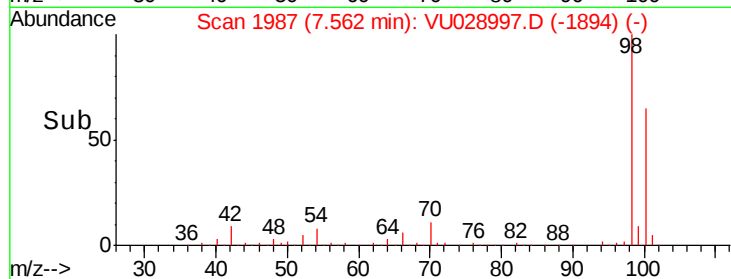
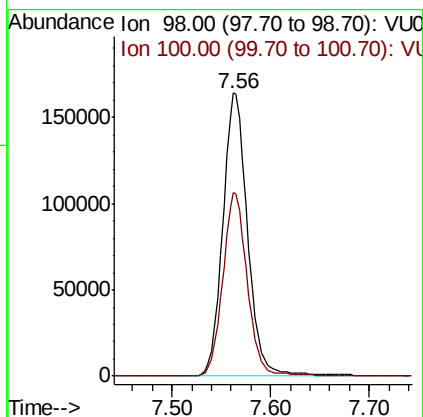
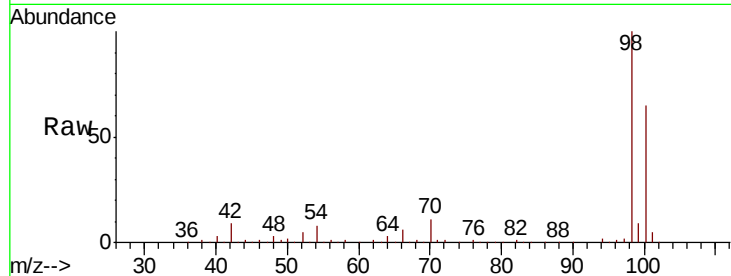




#50
Toluene-d8
Concen: 48.398 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028997.D
Acq: 03 Jan 2019 15:06

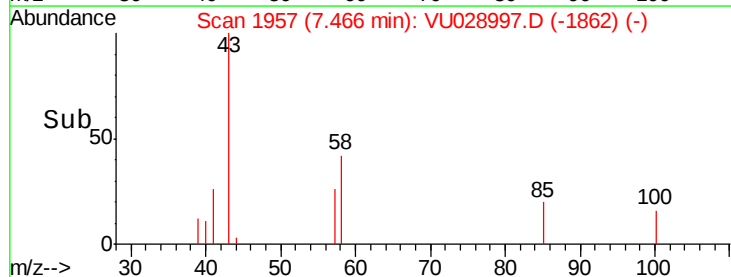
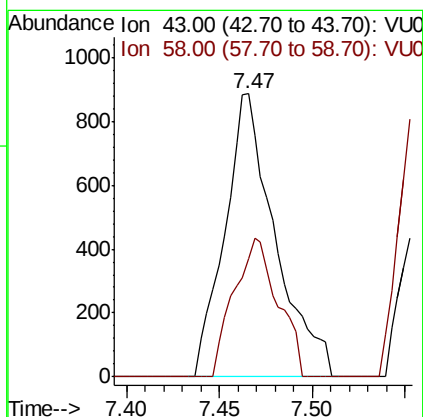
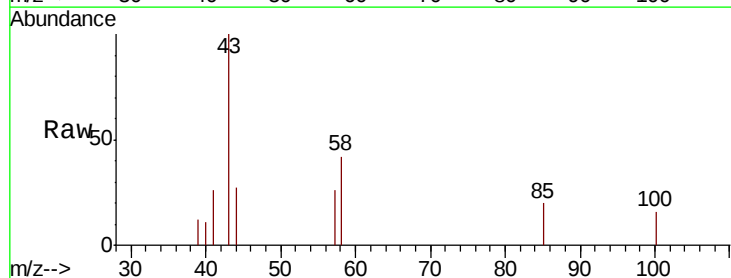
Instrument :
MSVOA_U
ClientSampled :
VBLK49

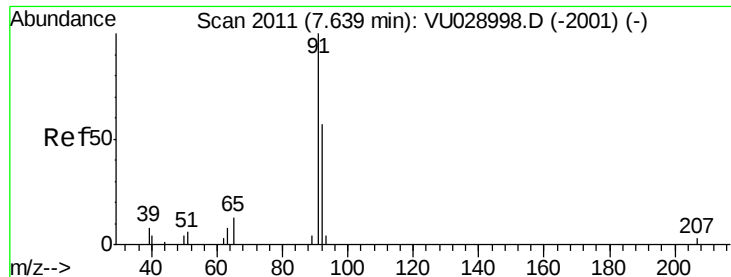
Tgt Ion: 98 Resp: 288604
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 0.629 ug/l
RT: 7.47 min Scan# 1957
Delta R.T. 0.01 min
Lab File: VU028997.D
Acq: 03 Jan 2019 15:06

Tgt Ion: 43 Resp: 1679
Ion Ratio Lower Upper
43 100
58 42.6 33.9 50.9





#52

Toluene

Concen: 0.209 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

Instrument :

MSVOA_U

ClientSampleId :

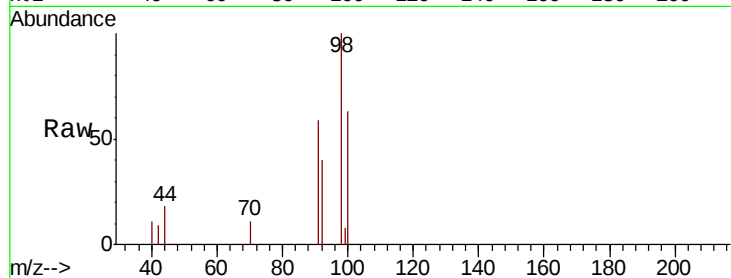
VBLK49

Tgt Ion: 92 Resp: 926

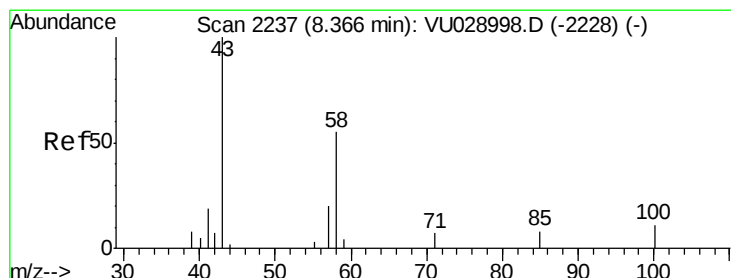
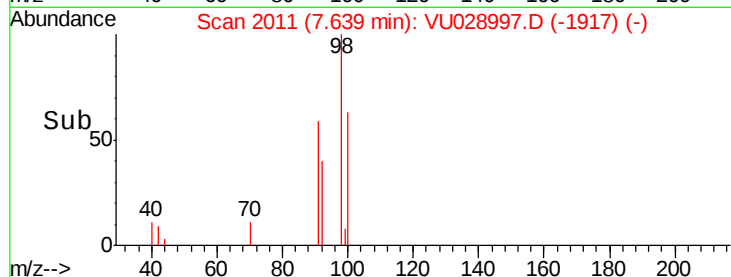
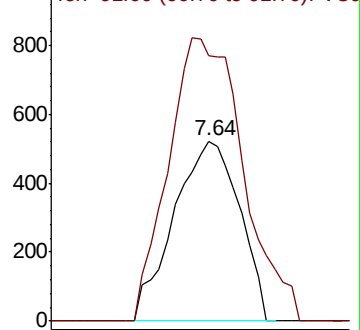
Ion Ratio Lower Upper

92 100

91 179.2 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU028997.D (-2142) (-)



#59

2-Hexanone

Concen: 1.000 ug/l

RT: 8.37 min Scan# 2238

Delta R.T. 0.01 min

Lab File: VU028997.D

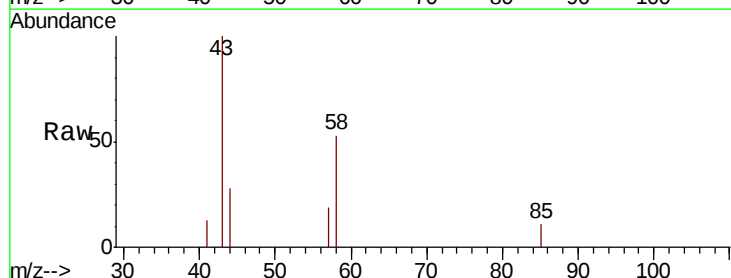
Acq: 03 Jan 2019 15:06

Tgt Ion: 43 Resp: 2096

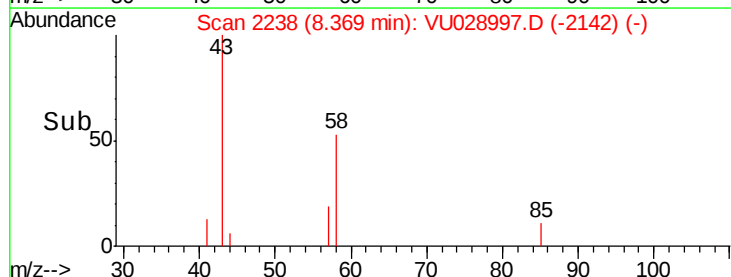
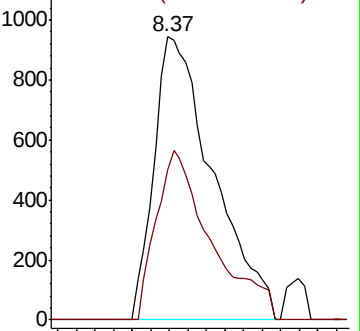
Ion Ratio Lower Upper

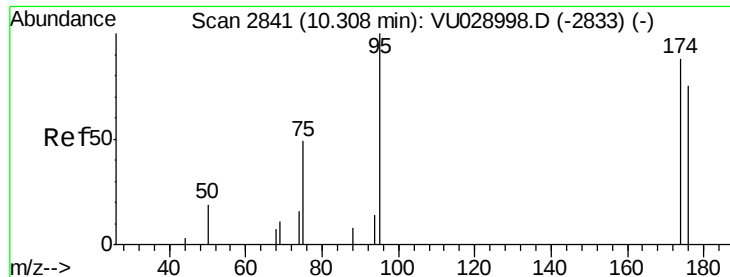
43 100

58 55.5 29.8 89.4



Abundance Ion 43.00 (42.70 to 43.70): VU028997.D (-2142) (-)





#62

4-Bromofluorobenzene

Concen: 43.520 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

Instrument :

MSVOA_U

ClientSampleId :

VBLK49

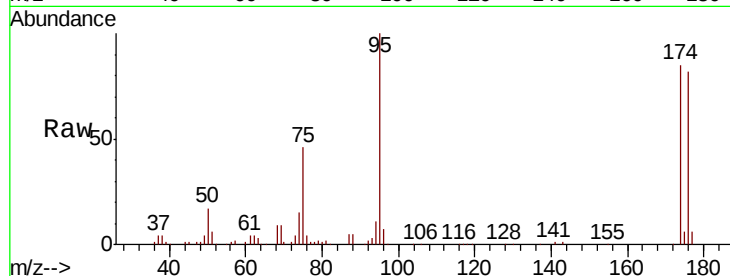
Tgt Ion: 95 Resp: 93266

Ion Ratio Lower Upper

95 100

174 85.0 0.0 170.6

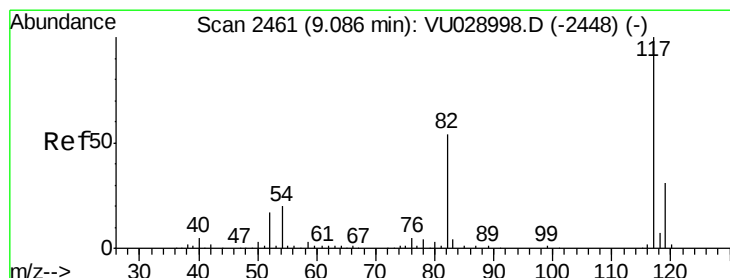
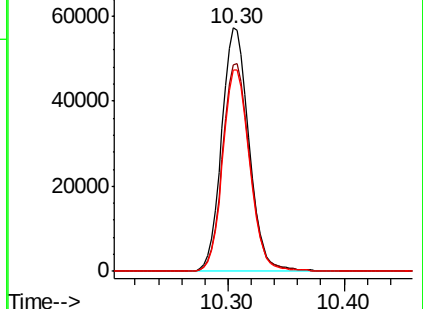
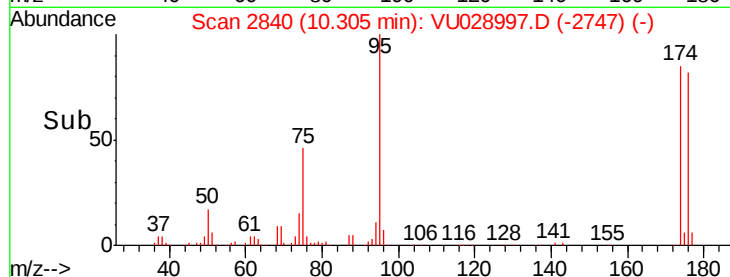
176 81.6 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU028997.D (-2747) (-)

Ion 173.80 (173.50 to 174.50): VU028997.D (-2747) (-)

Ion 175.80 (175.50 to 176.50): VU028997.D (-2747) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

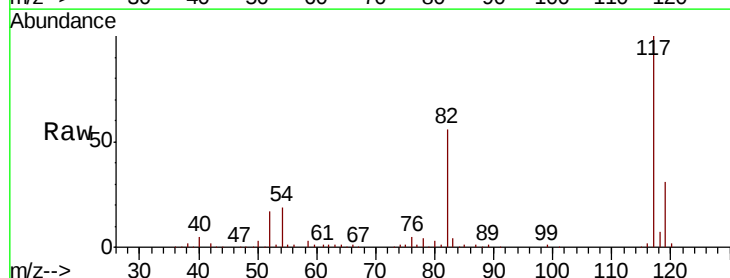
Tgt Ion: 117 Resp: 210091

Ion Ratio Lower Upper

117 100

82 55.9 43.9 65.9

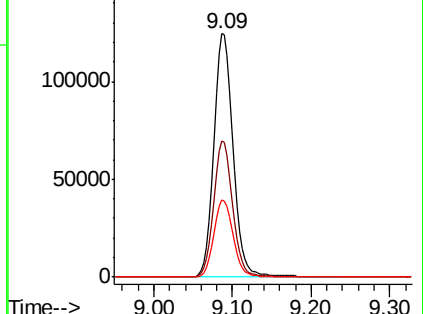
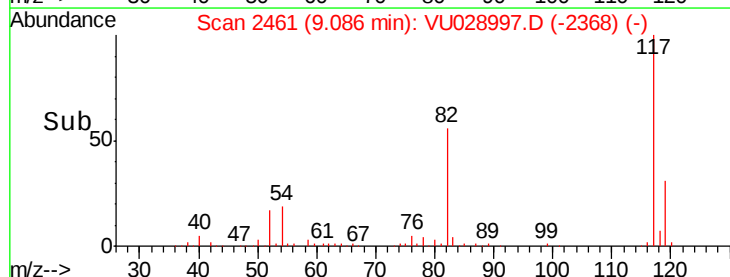
119 31.5 26.0 39.0

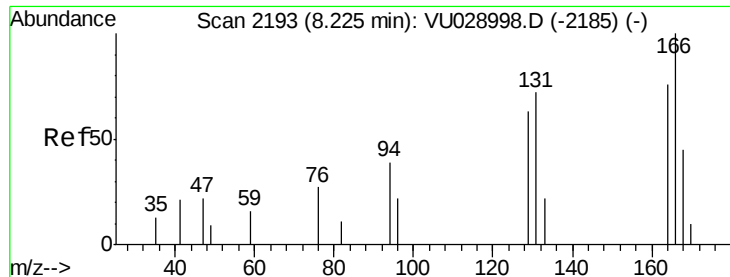


Abundance Ion 116.90 (116.60 to 117.60): VU028997.D (-2368) (-)

Ion 82.00 (81.70 to 82.70): VU028997.D (-2368) (-)

Ion 118.90 (118.60 to 119.60): VU028997.D (-2368) (-)

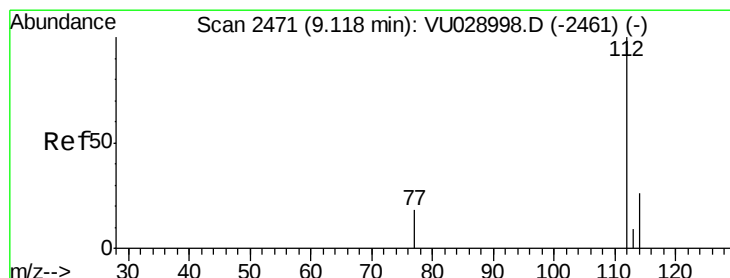
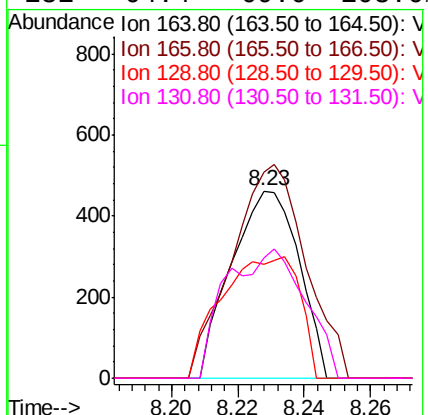
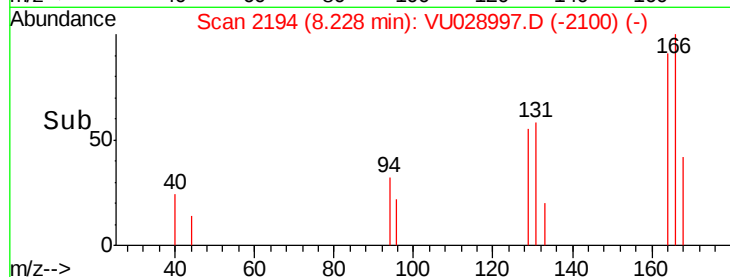
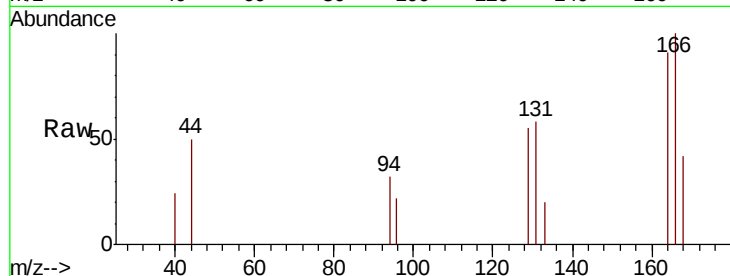




#64
Tetrachloroethene
Concen: 0.432 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028997.D
Acq: 03 Jan 2019 15:06

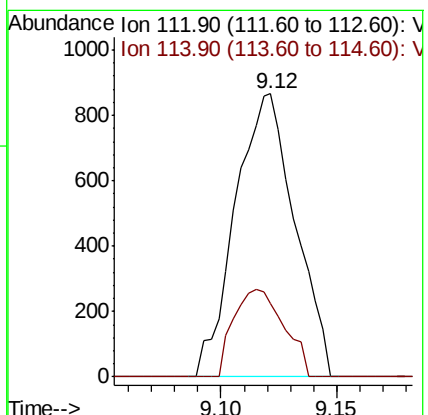
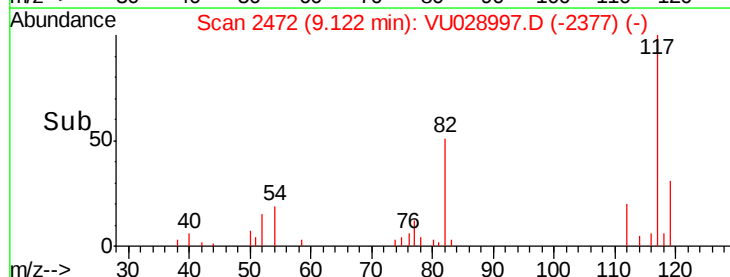
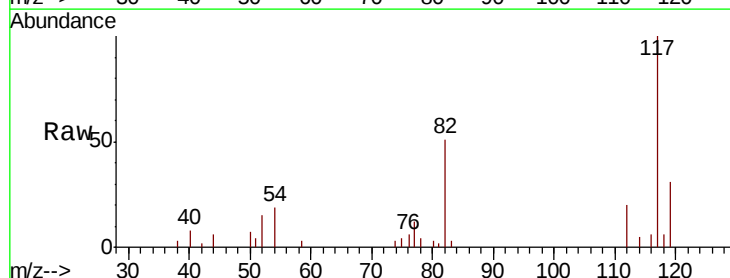
Instrument :
MSVOA_U
ClientSampleId :
VBLK49

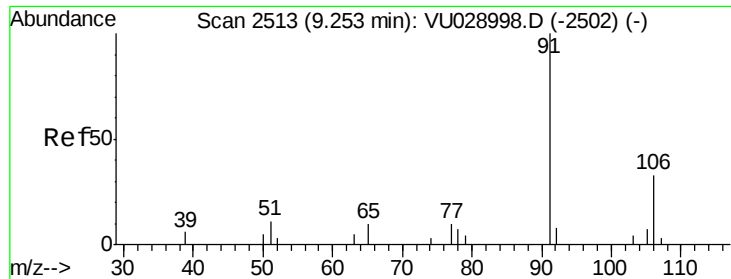
Tgt Ion:164 Resp: 654
Ion Ratio Lower Upper
164 100
166 110.4 99.4 149.0
129 61.2 70.5 105.7#
131 64.4 69.0 103.6#



#65
Chlorobenzene
Concen: 0.328 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.01 min
Lab File: VU028997.D
Acq: 03 Jan 2019 15:06

Tgt Ion:112 Resp: 1546
Ion Ratio Lower Upper
112 100
114 26.1 25.0 37.6

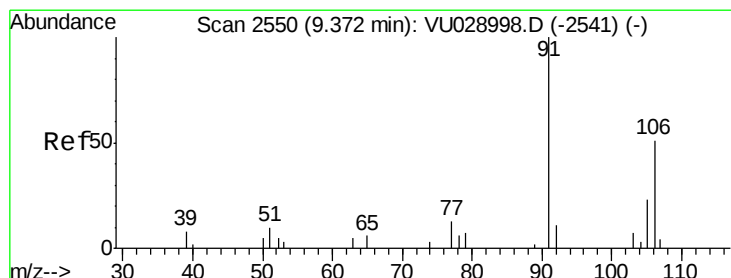
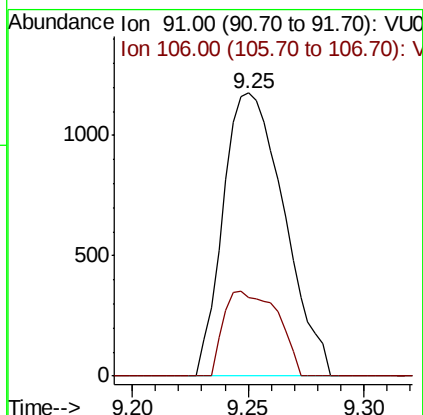
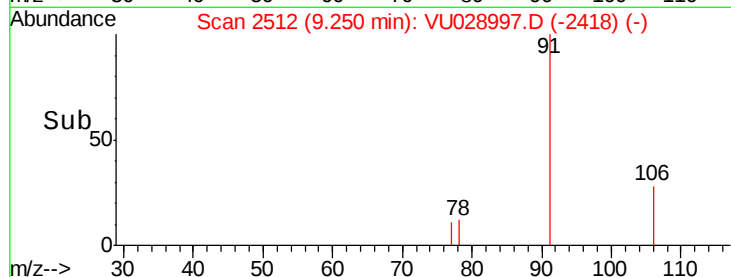
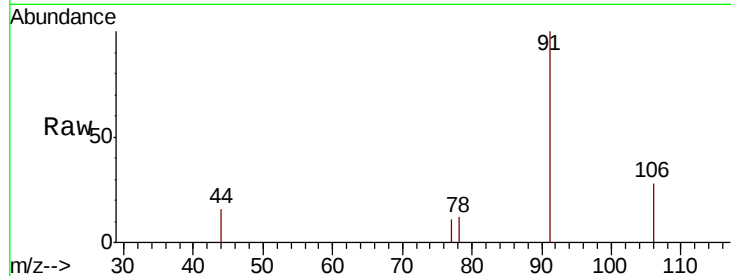




#67
Ethyl Benzene
Concen: 0.273 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028997.D
Acq: 03 Jan 2019 15:06

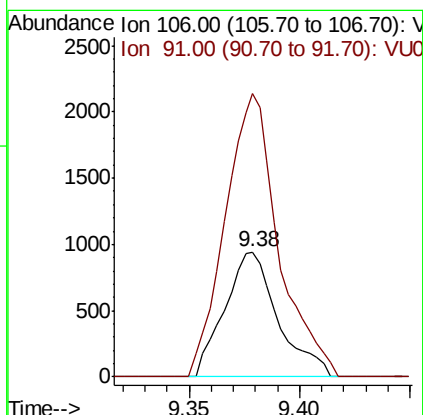
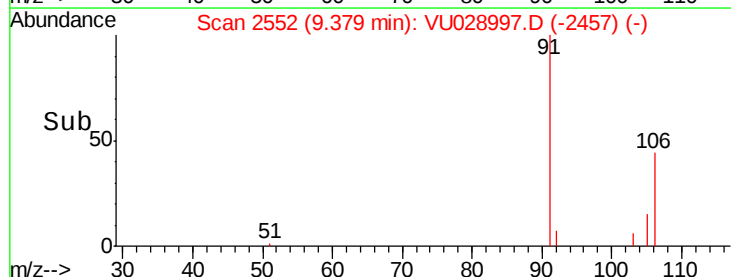
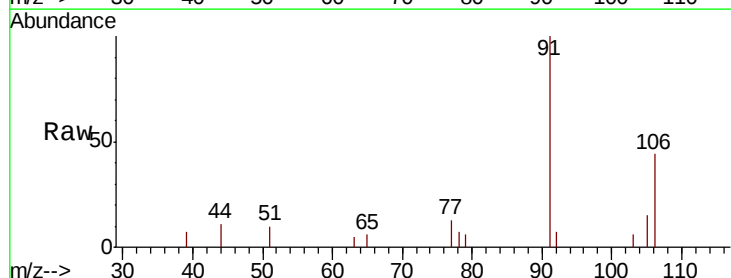
Instrument :
MSVOA_U
ClientSampleId :
VBLK49

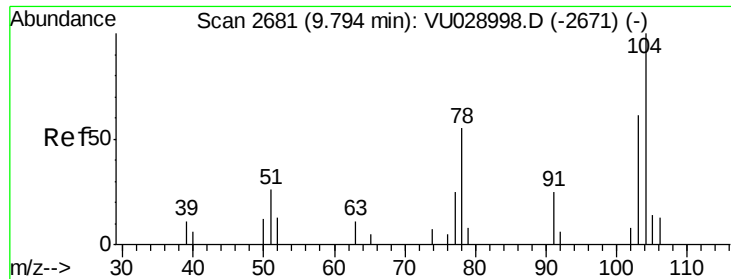
Tgt Ion: 91 Resp: 2149
Ion Ratio Lower Upper
91 100
106 27.8 25.0 37.4



#68
m/p-Xylenes
Concen: 0.518 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.01 min
Lab File: VU028997.D
Acq: 03 Jan 2019 15:06

Tgt Ion: 106 Resp: 1581
Ion Ratio Lower Upper
106 100
91 226.3 161.7 242.5

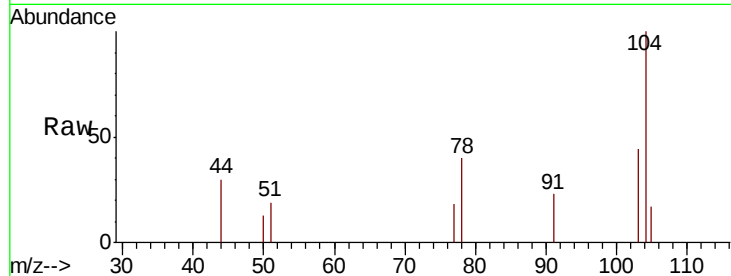




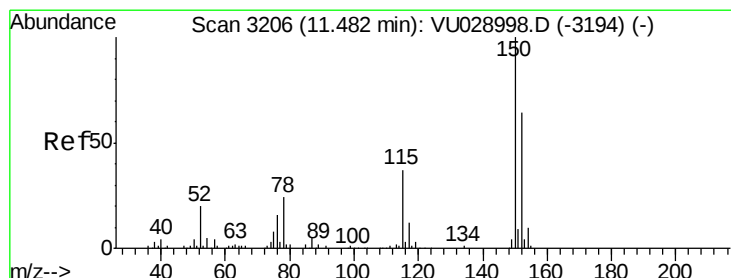
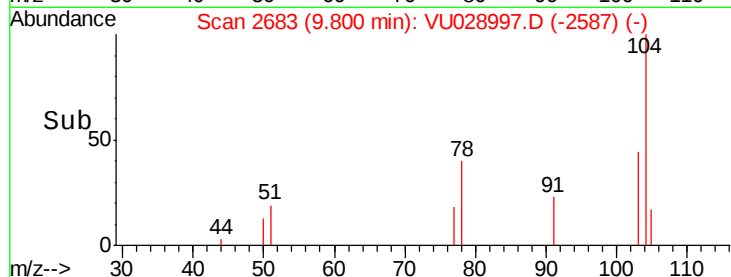
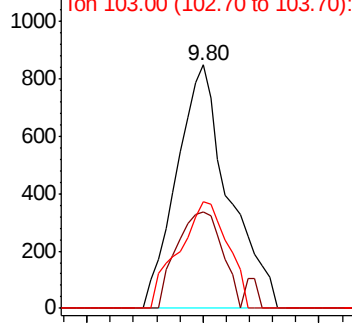
#70
Styrene
Concen: 0.273 ug/l
RT: 9.80 min Scan# 2683
Delta R.T. 0.01 min
Lab File: VU028997.D
Acq: 03 Jan 2019 15:06

Instrument :
MSVOA_U
ClientSampled :
VBLK49

Tgt Ion:104 Resp: 1318
Ion Ratio Lower Upper
104 100
78 35.0 38.6 58.0#
103 41.4 44.5 66.7#

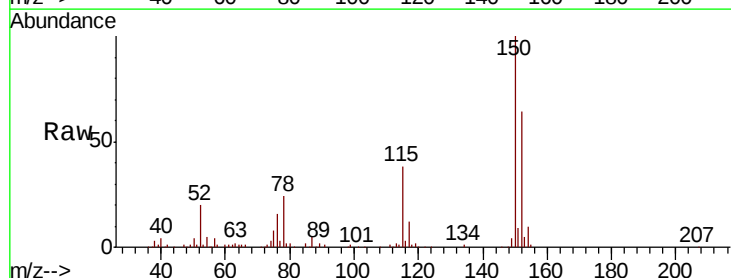


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V

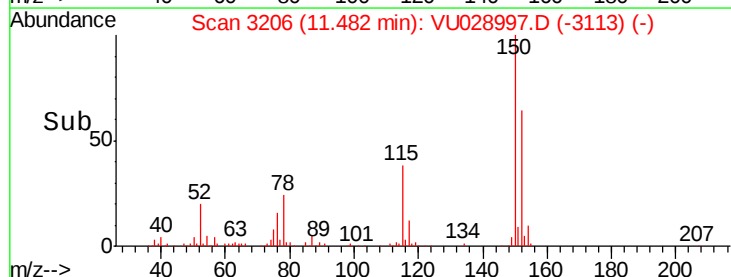
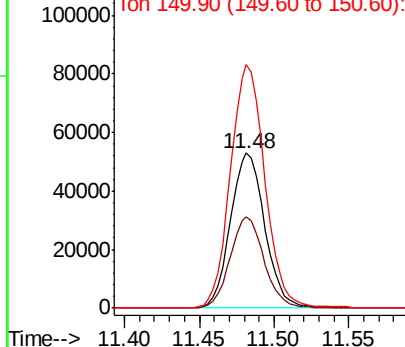


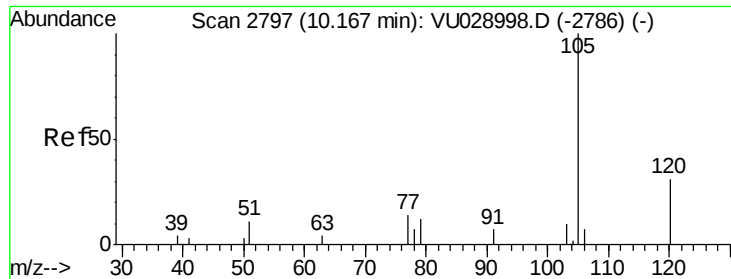
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028997.D
Acq: 03 Jan 2019 15:06

Tgt Ion:152 Resp: 84645
Ion Ratio Lower Upper
152 100
115 58.4 40.1 120.3
150 158.0 0.0 345.2



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: 0.360 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

Instrument :

MSVOA_U

ClientSampleId :

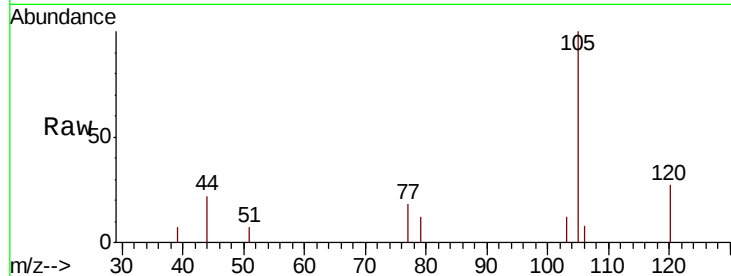
VBLK49

Tgt Ion: 105 Resp: 2255

Ion Ratio Lower Upper

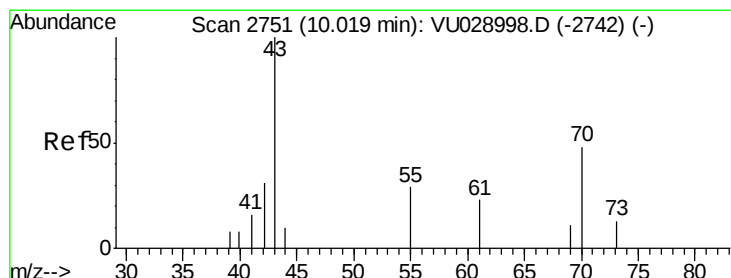
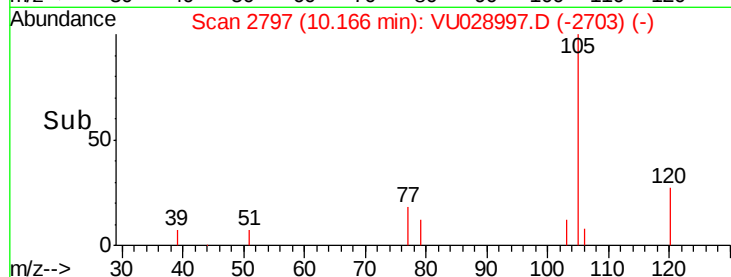
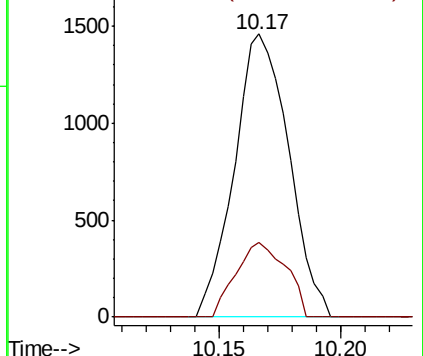
105 100

120 24.3 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.439 ug/l

RT: 10.02 min Scan# 2752

Delta R.T. 0.01 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

Tgt Ion: 43 Resp: 1184

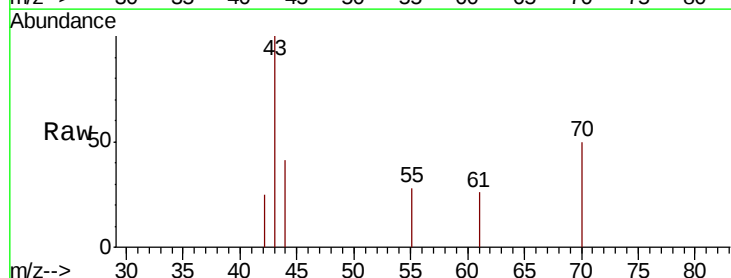
Ion Ratio Lower Upper

43 100

70 38.9 36.3 54.5

55 15.5 20.5 30.7#

61 18.2 21.8 32.8#

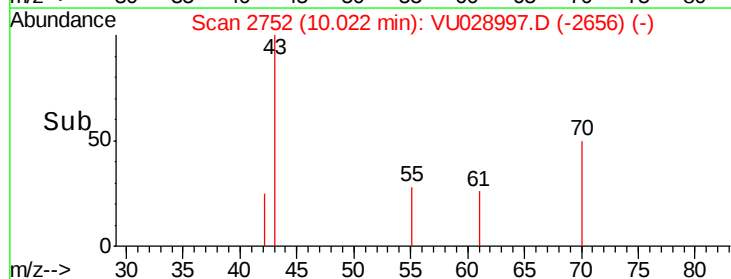
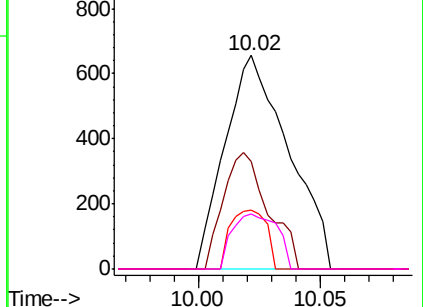


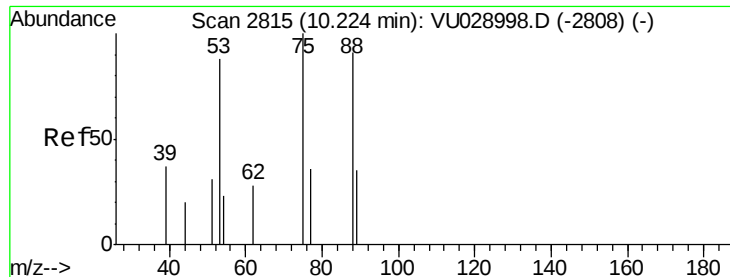
Abundance Ion 43.00 (42.70 to 43.70): VU0

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





#76

1,2,3-Trichloropropane

Concen: 20.705 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

Instrument :

MSVOA_U

ClientSampleId :

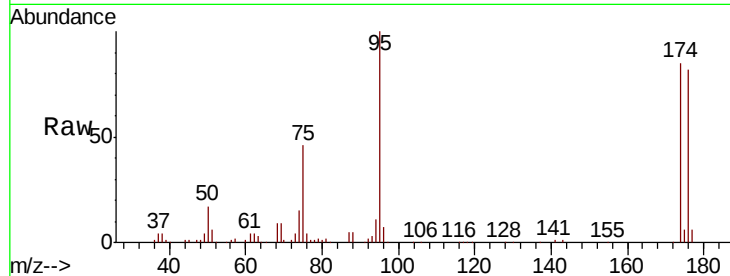
VBLK49

Tgt Ion: 75 Resp: 42941

Ion Ratio Lower Upper

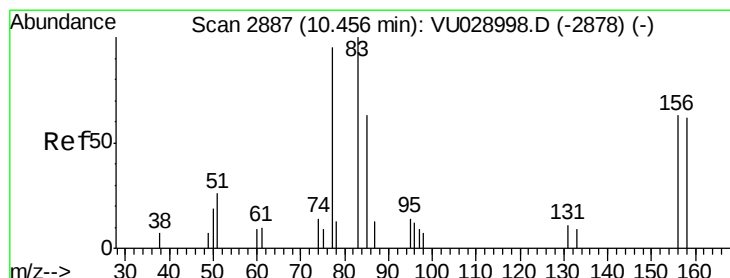
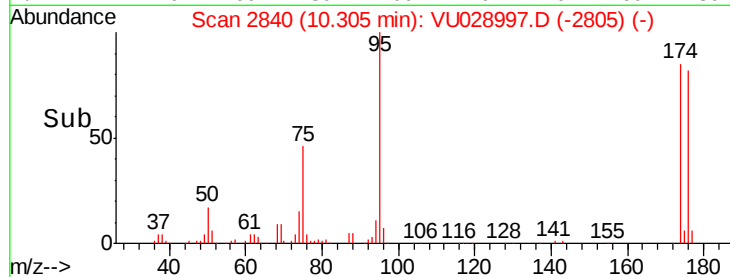
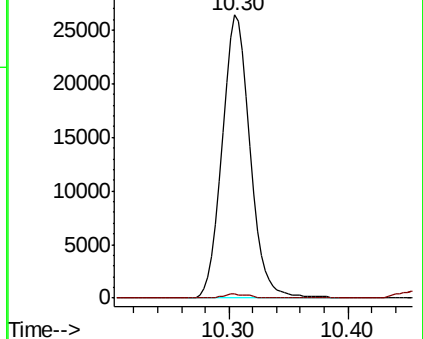
75 100

77 1.2 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU028997.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU028997.D (-2805) (-)



#77

Bromobenzene

Concen: 0.390 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

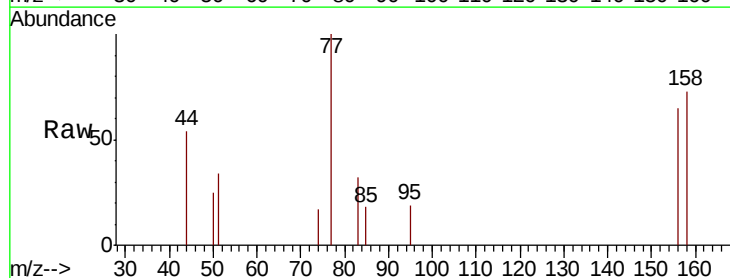
Tgt Ion: 156 Resp: 637

Ion Ratio Lower Upper

156 100

77 182.7 79.0 237.2

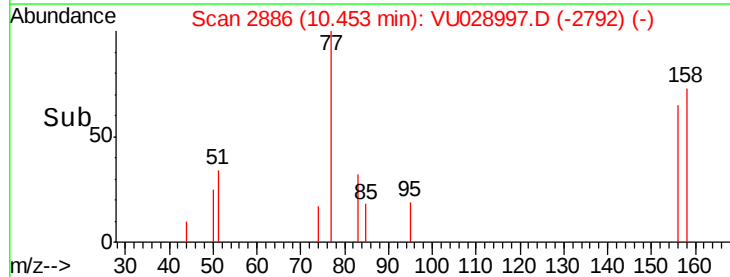
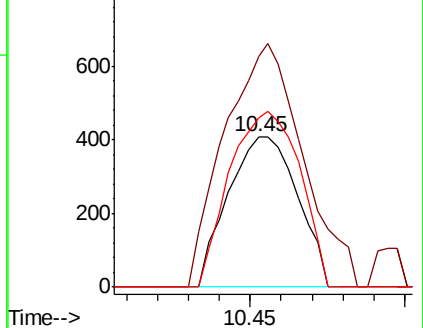
158 118.8 48.9 146.6

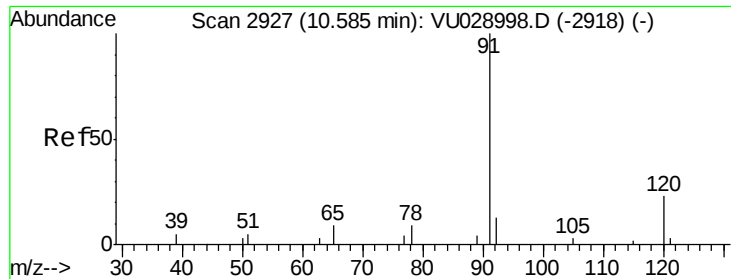


Abundance Ion 155.80 (155.50 to 156.50): VU028997.D (-2792) (-)

Ion 77.00 (76.70 to 77.70): VU028997.D (-2792) (-)

Ion 157.80 (157.50 to 158.50): VU028997.D (-2792) (-)





#78

n-propylbenzene

Concen: 0.506 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

Instrument :

MSVOA_U

ClientSampled :

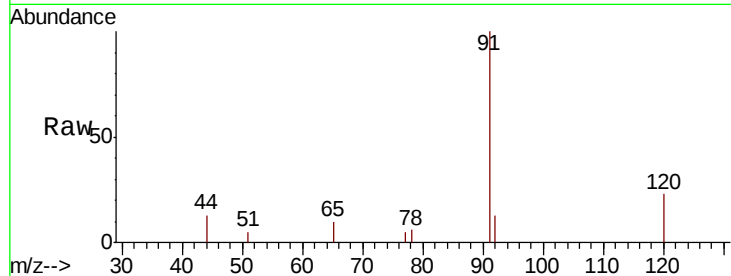
VBLK49

Tgt Ion: 91 Resp: 3734

Ion Ratio Lower Upper

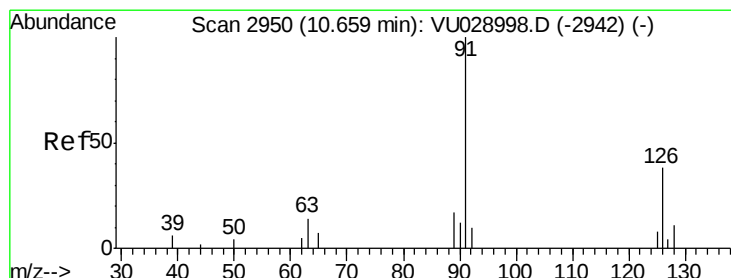
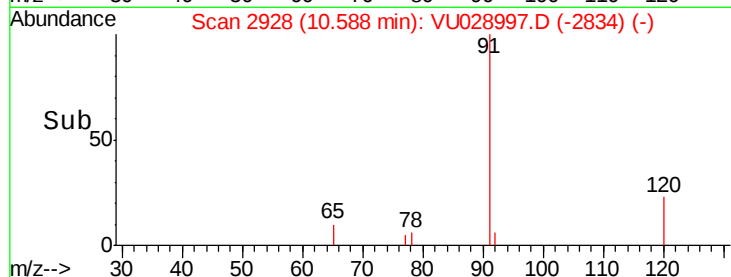
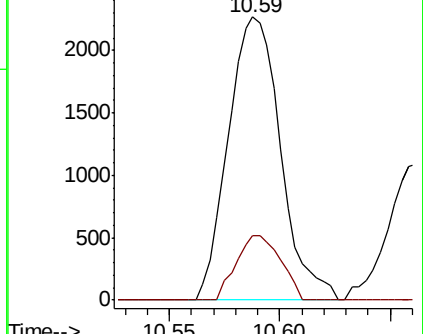
91 100

120 19.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.439 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU028997.D

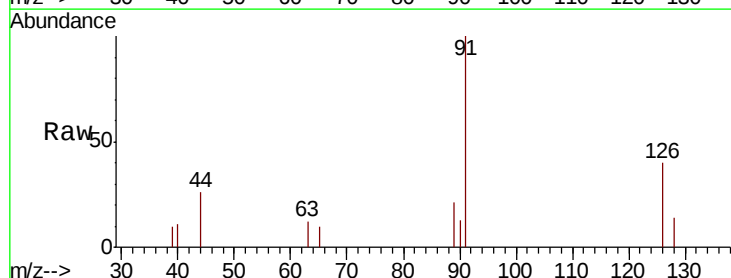
Acq: 03 Jan 2019 15:06

Tgt Ion: 91 Resp: 1966

Ion Ratio Lower Upper

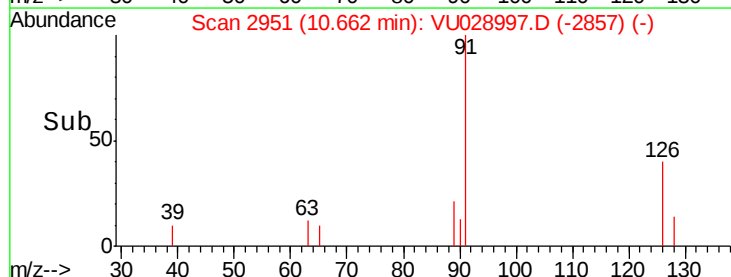
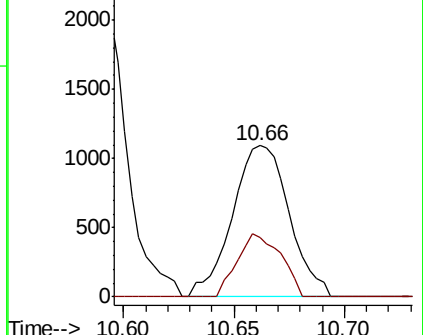
91 100

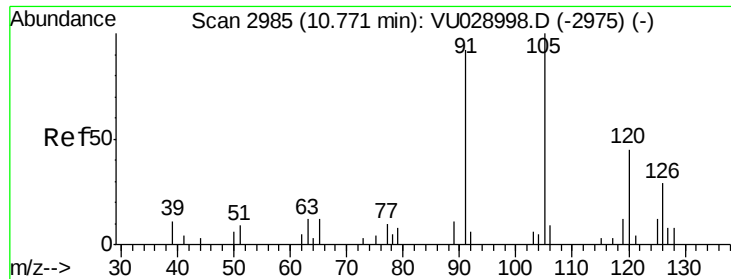
126 32.0 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

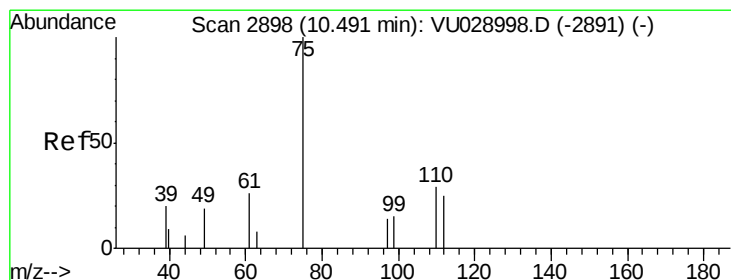
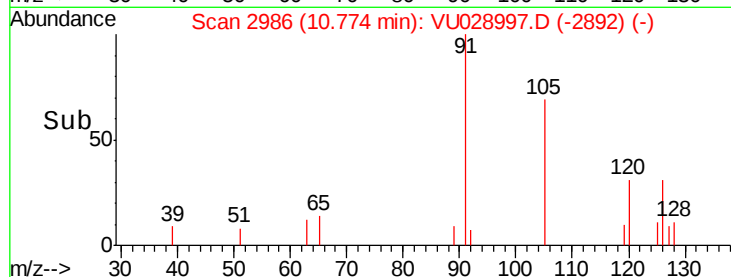
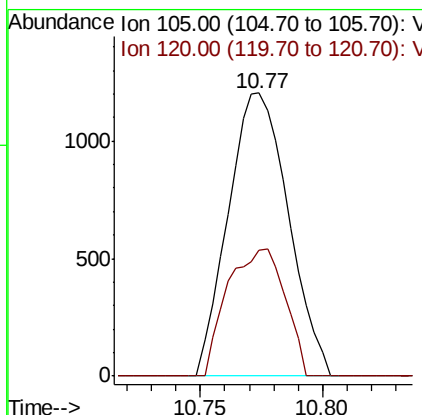
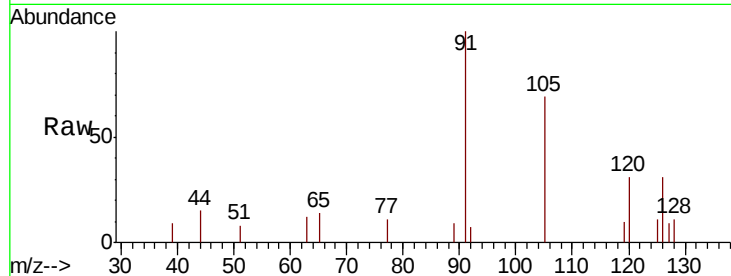




#80
 1,3,5-Trimethylbenzene
 Concen: 0.394 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU028997.D
 Acq: 03 Jan 2019 15:06

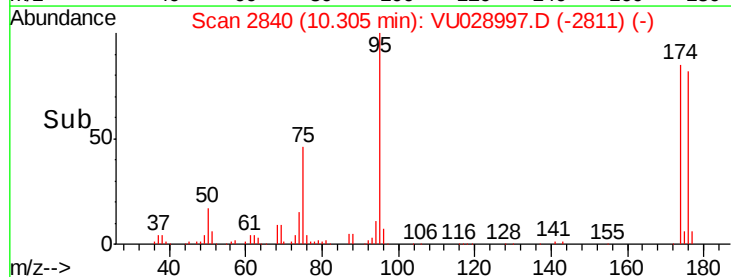
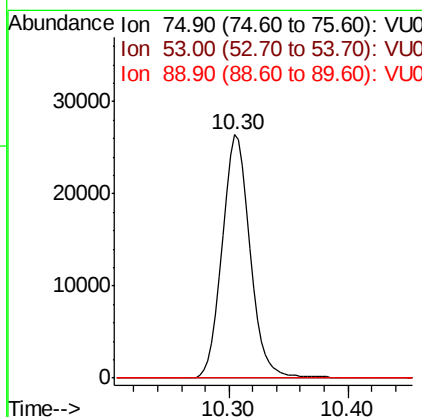
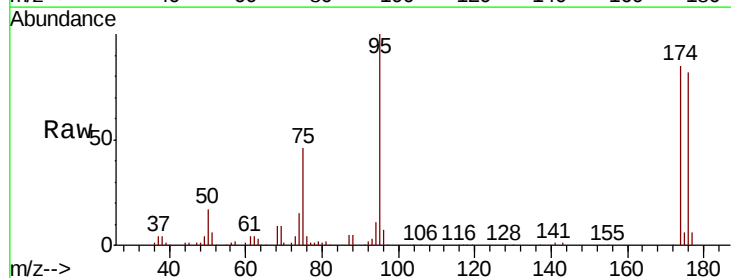
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK49

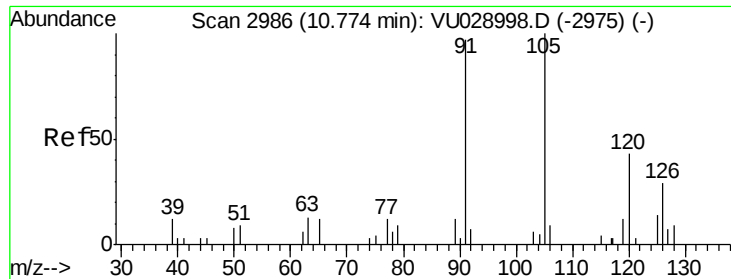
Tgt Ion: 105 Resp: 2062
 Ion Ratio Lower Upper
 105 100
 120 42.9 24.8 74.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.399 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.21 min
 Lab File: VU028997.D
 Acq: 03 Jan 2019 15:06

Tgt Ion: 75 Resp: 42941
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 0.608 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

Instrument :

MSVOA_U

ClientSampleId :

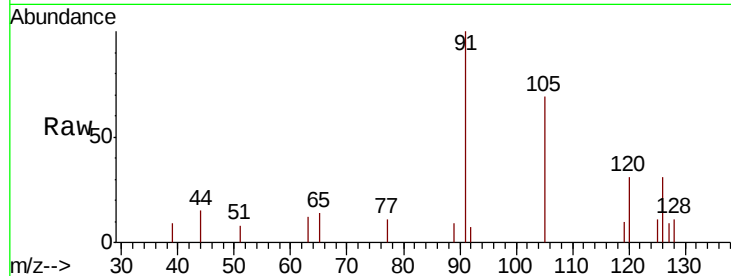
VBLK49

Tgt Ion: 91 Resp: 3121

Ion Ratio Lower Upper

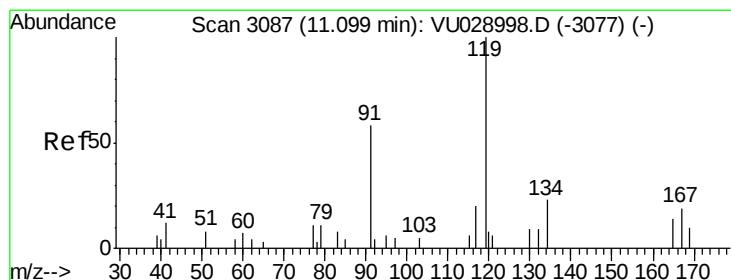
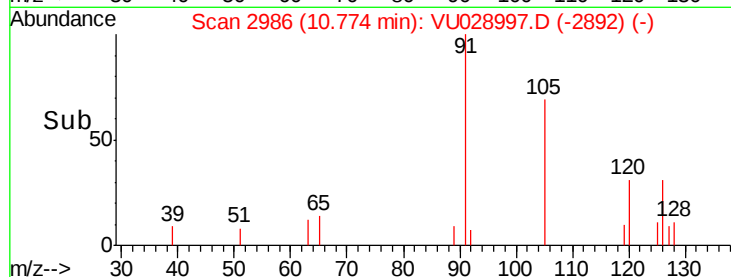
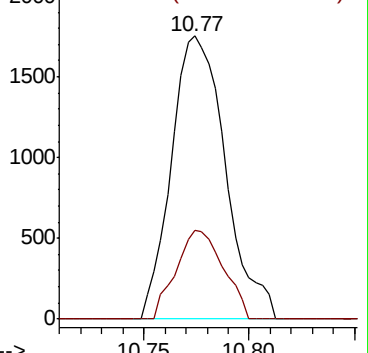
91 100

126 27.3 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V



#83

tert-Butylbenzene

Concen: 0.389 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

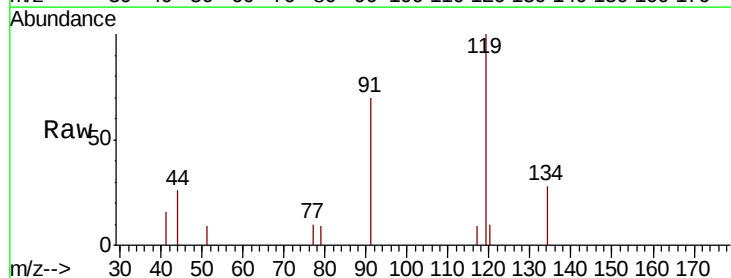
Tgt Ion: 119 Resp: 2004

Ion Ratio Lower Upper

119 100

91 67.0 28.2 84.6

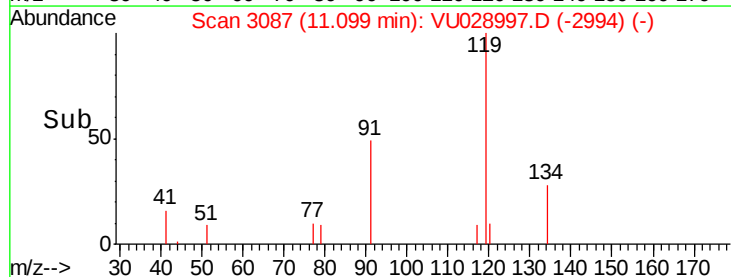
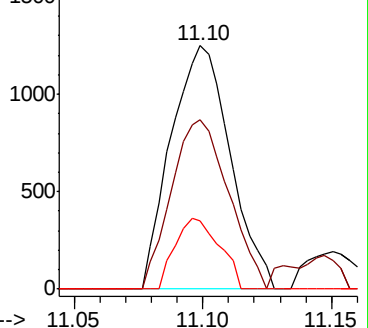
134 21.8 11.3 33.8

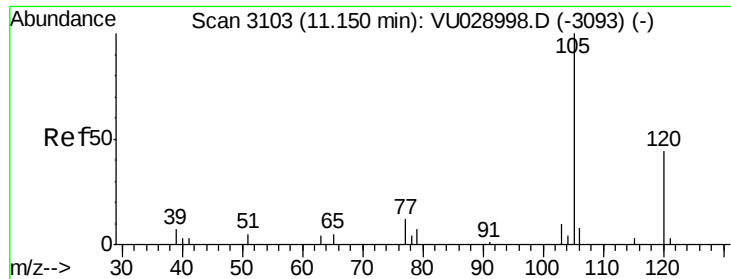


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V





#84

1,2,4-Trimethylbenzene

Concen: 0.420 ug/l

RT: 11.15 min Scan# 3103

Delta R.T. 0.00 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

Instrument :

MSVOA_U

ClientSampleId :

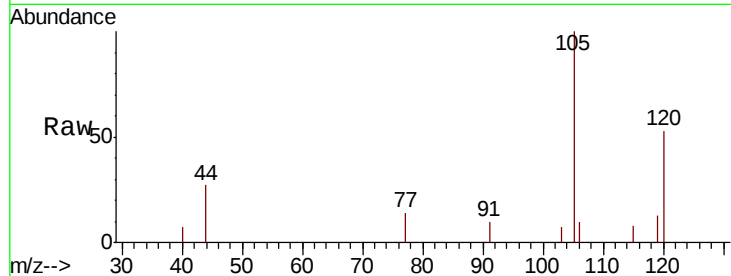
VBLK49

Tgt Ion:105 Resp: 2196

Ion Ratio Lower Upper

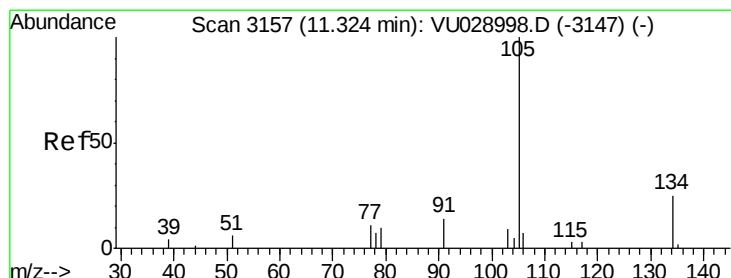
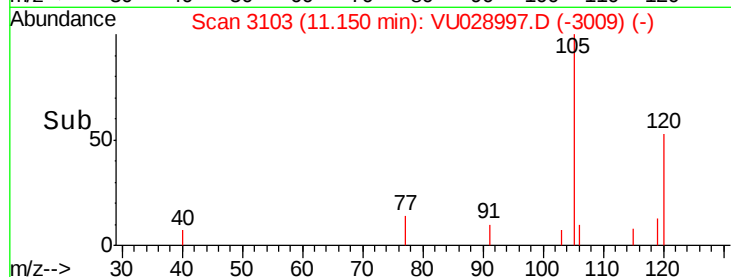
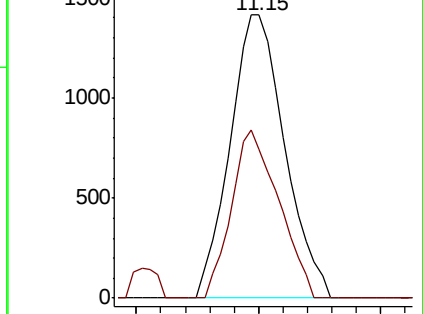
105 100

120 51.7 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.572 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028997.D

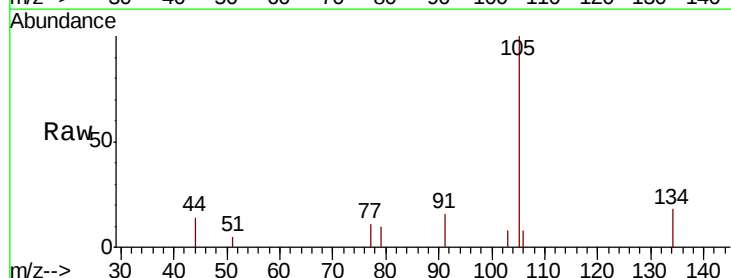
Acq: 03 Jan 2019 15:06

Tgt Ion:105 Resp: 3568

Ion Ratio Lower Upper

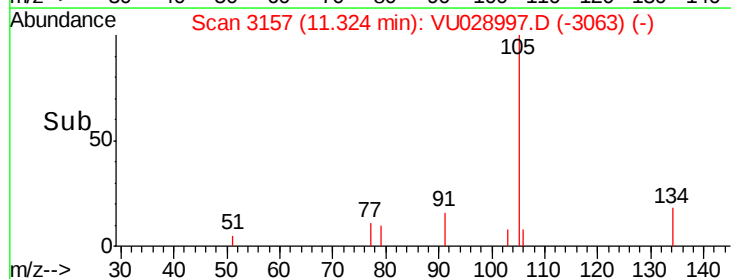
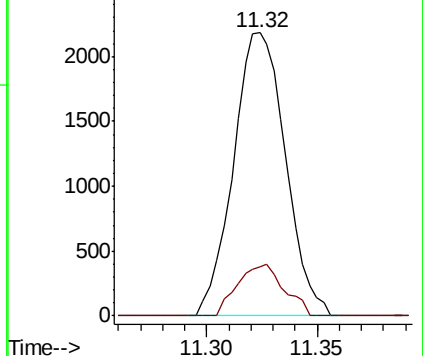
105 100

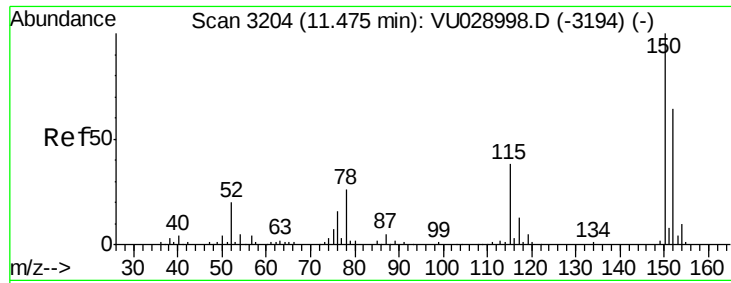
134 16.3 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: 0.545 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

Instrument :

MSVOA_U

ClientSampleId :

VBLK49

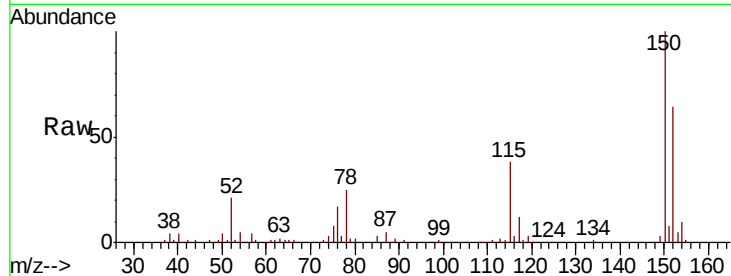
Tgt Ion:119 Resp: 2896

Ion Ratio Lower Upper

119 100

134 25.0 13.5 40.4

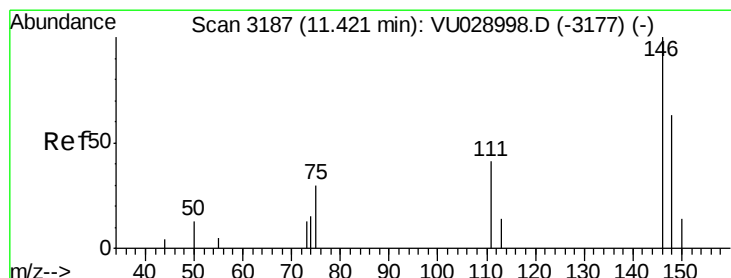
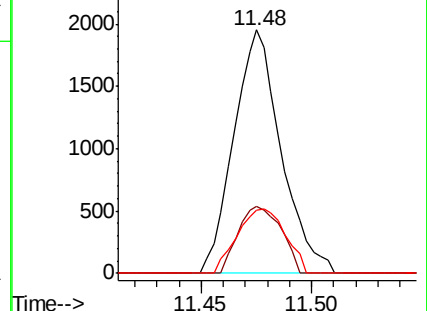
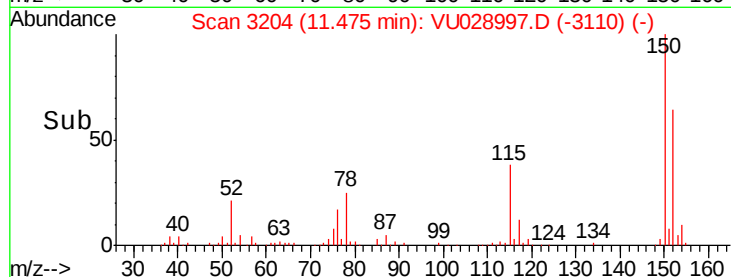
91 26.8 11.3 33.8



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): VU



#87

1,3-Dichlorobenzene

Concen: 0.794 ug/l

RT: 11.42 min Scan# 3187

Delta R.T. 0.01 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

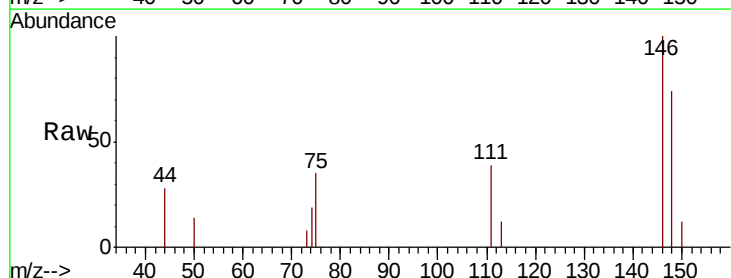
Tgt Ion:146 Resp: 2377

Ion Ratio Lower Upper

146 100

111 36.5 19.3 57.8

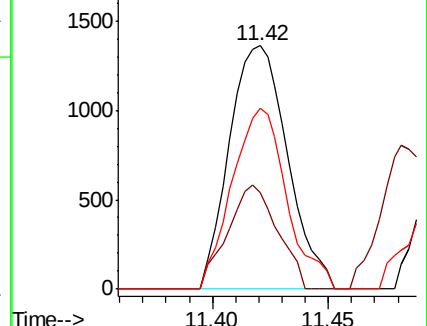
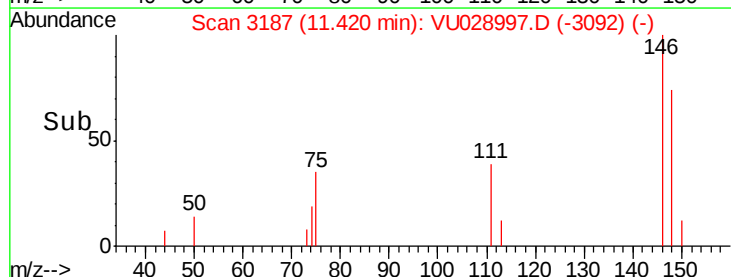
148 69.8 32.5 97.5

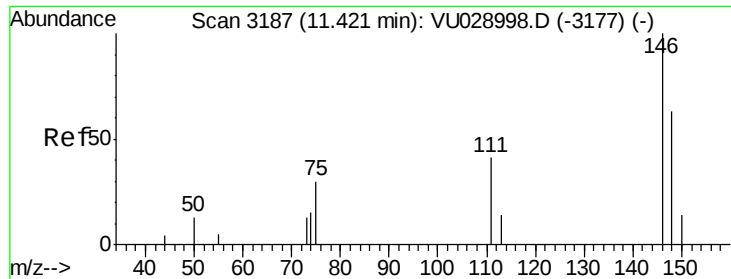


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

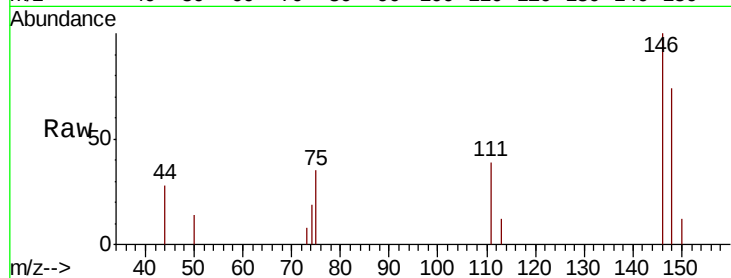




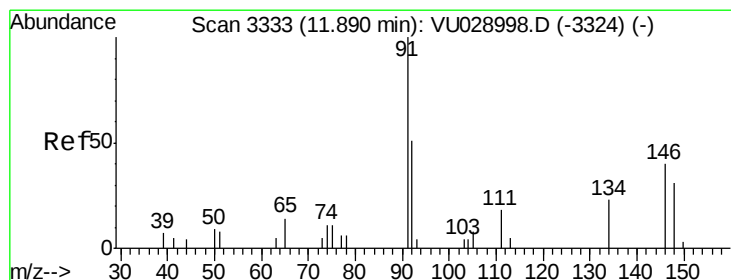
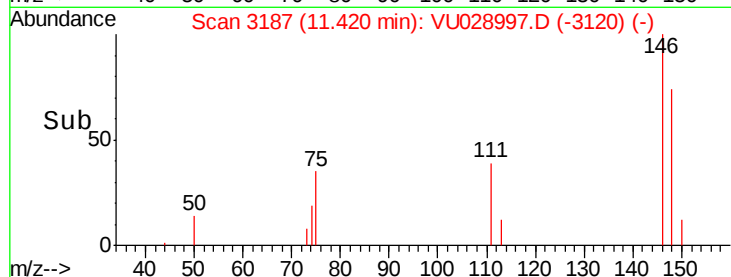
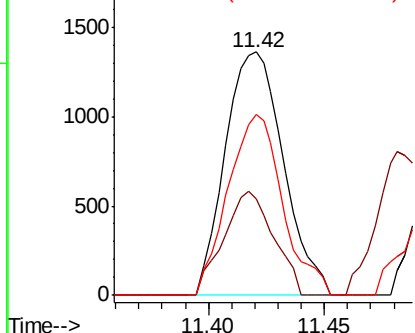
#88
 1,4-Dichlorobenzene
 Concen: 0.769 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. -0.08 min
 Lab File: VU028997.D
 Acq: 03 Jan 2019 15:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK49

Tgt Ion: 146 Resp: 2377
 Ion Ratio Lower Upper
 146 100
 111 36.5 19.1 57.3
 148 69.8 32.6 98.0

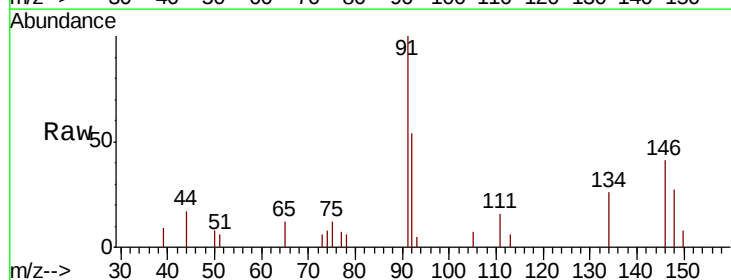


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

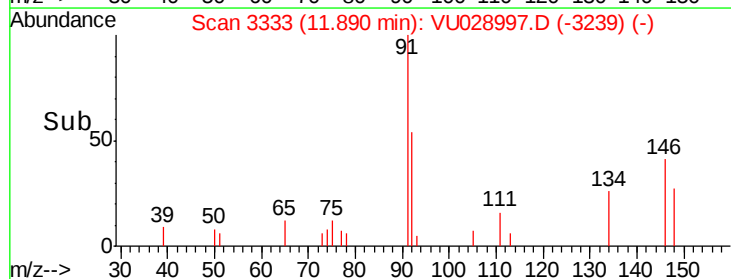
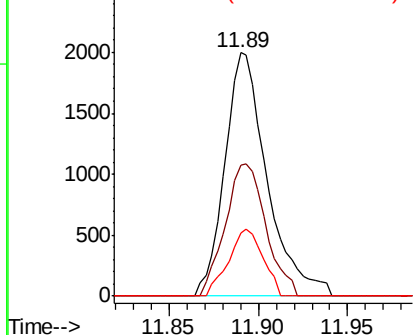


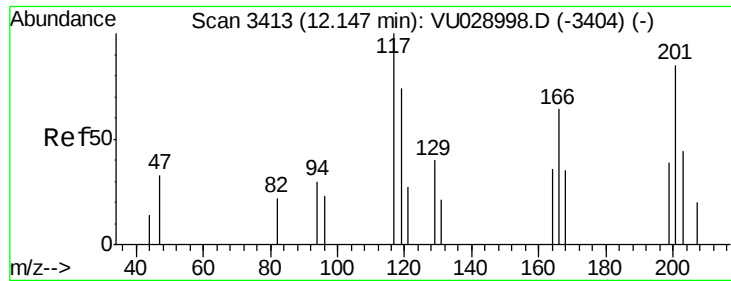
#89
 n-Butylbenzene
 Concen: 0.696 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU028997.D
 Acq: 03 Jan 2019 15:06

Tgt Ion: 91 Resp: 3302
 Ion Ratio Lower Upper
 91 100
 92 51.8 26.2 78.5
 134 22.3 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V

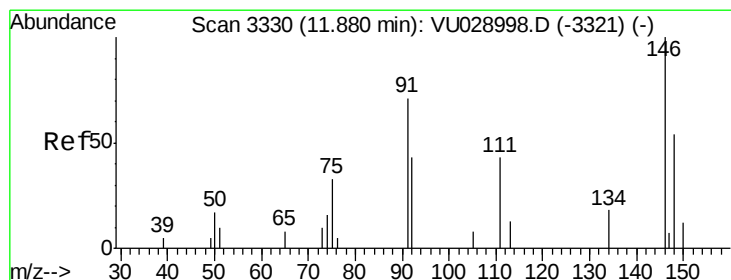
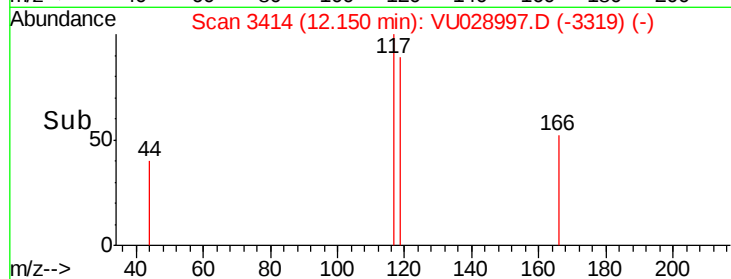
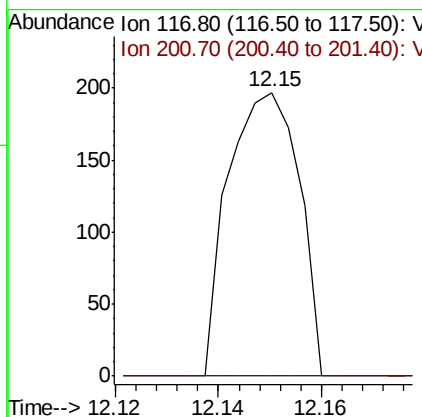
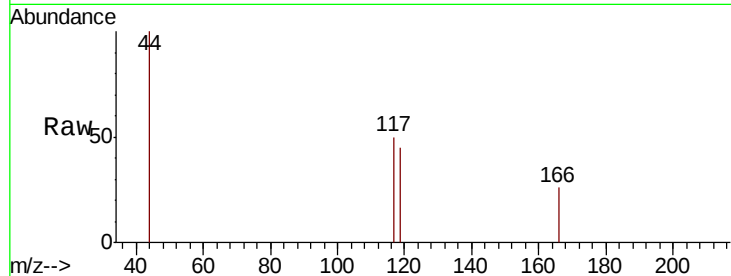




#90
 Hexachloroethane
 Concen: 0.209 ug/l
 RT: 12.15 min Scan# 3414
 Delta R.T. 0.01 min
 Lab File: VU028997.D
 Acq: 03 Jan 2019 15:06

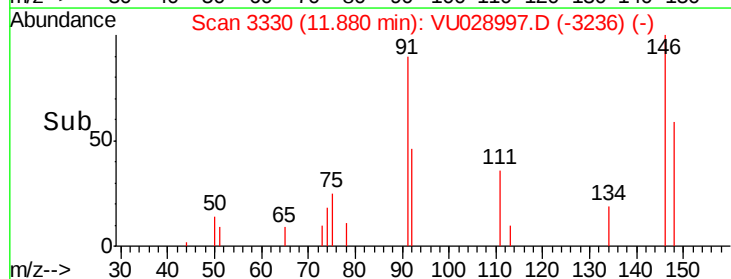
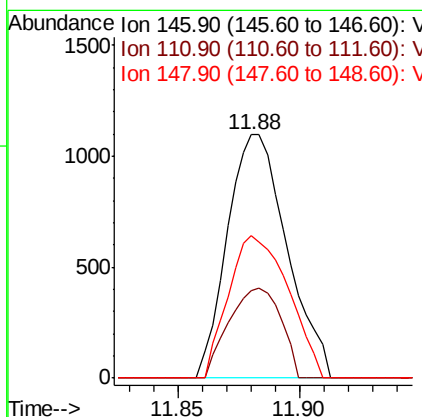
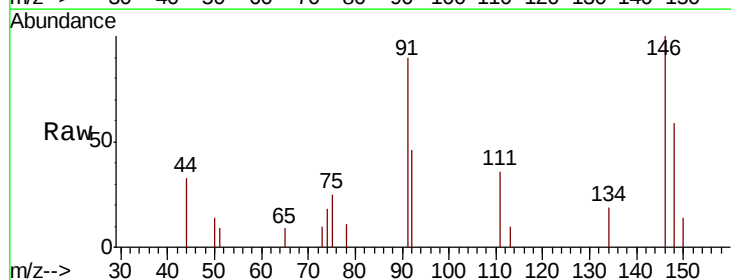
Instrument :
 MSVOA_U
 ClientSampled :
 VBLK49

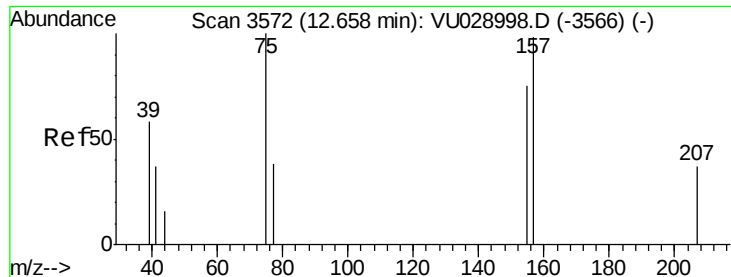
Tgt Ion:117 Resp: 187
 Ion Ratio Lower Upper
 117 100
 201 0.0 42.4 127.3#



#91
 1,2-Dichlorobenzene
 Concen: 0.617 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028997.D
 Acq: 03 Jan 2019 15:06

Tgt Ion:146 Resp: 1860
 Ion Ratio Lower Upper
 146 100
 111 32.3 20.0 59.9
 148 59.0 31.6 94.8





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.431 ug/l

RT: 12.66 min Scan# 3573

Delta R.T. 0.01 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

Instrument :

MSVOA_U

ClientSampleId :

VBLK49

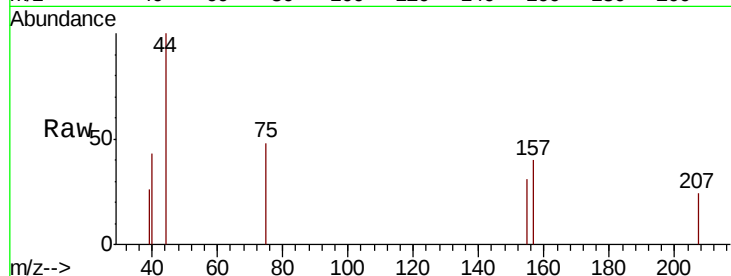
Tgt Ion: 75 Resp: 208

Ion Ratio Lower Upper

75 100

155 97.6 46.3 138.8

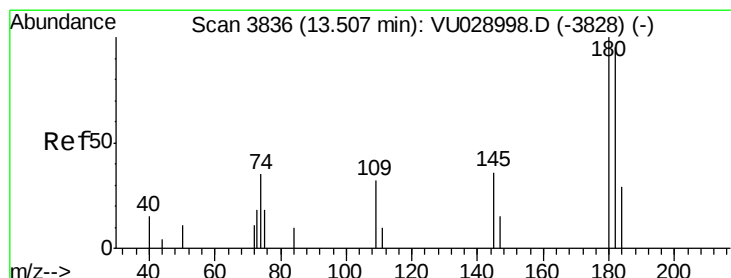
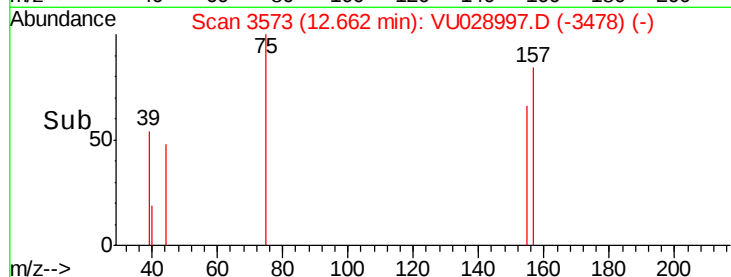
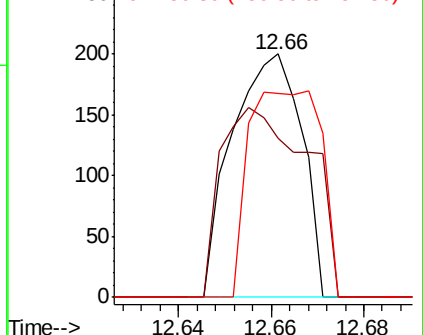
157 88.0 57.4 172.0



Abundance Ion 74.90 (74.60 to 75.60): VU028997.D (-3566) (-)

Ion 154.80 (154.50 to 155.50): VU028997.D (-3566) (-)

Ion 156.80 (156.50 to 157.50): VU028997.D (-3566) (-)



#93

1,2,4-Trichlorobenzene

Concen: 1.718 ug/l

RT: 13.51 min Scan# 3836

Delta R.T. 0.01 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

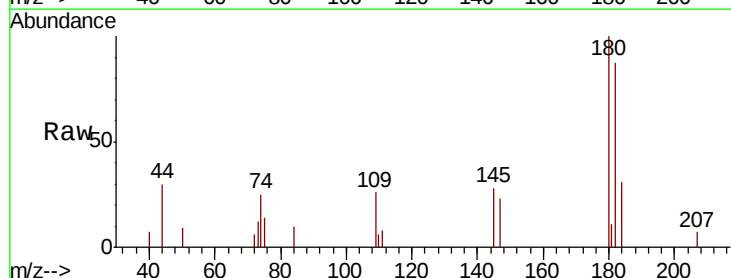
Tgt Ion: 180 Resp: 3309

Ion Ratio Lower Upper

180 100

182 99.5 47.5 142.6

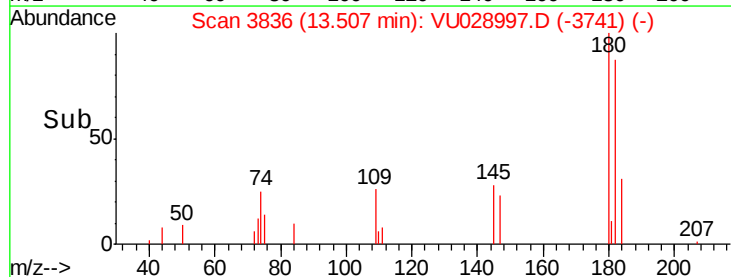
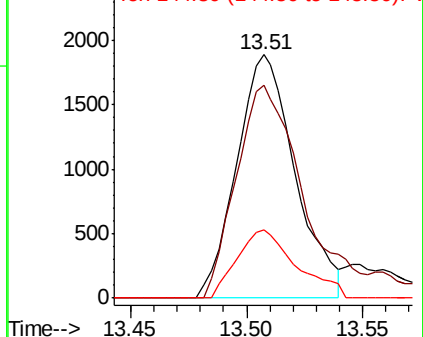
145 28.4 14.0 42.0

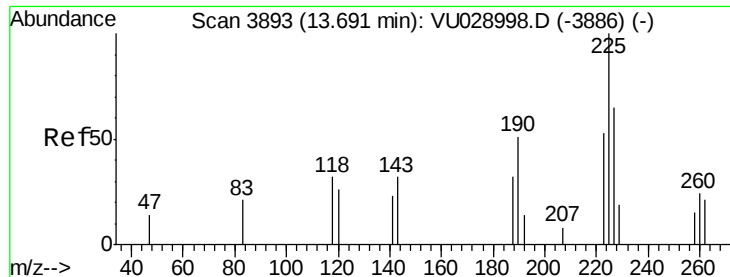


Abundance Ion 179.80 (179.50 to 180.50): VU028997.D (-3828) (-)

Ion 181.80 (181.50 to 182.50): VU028997.D (-3828) (-)

Ion 144.80 (144.50 to 145.50): VU028997.D (-3828) (-)





#94

Hexachlorobutadiene

Concen: 1.235 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

Instrument :

MSVOA_U

ClientSampleId :

VBLK49

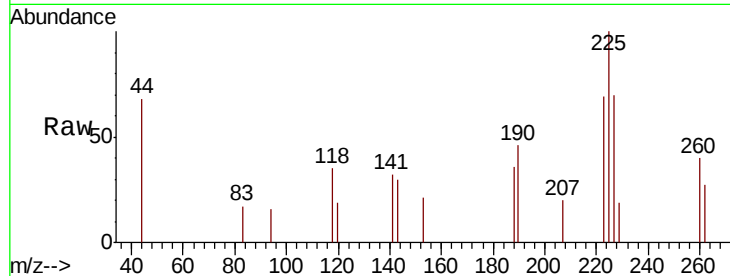
Tgt Ion:225 Resp: 1088

Ion Ratio Lower Upper

225 100

223 62.7 31.4 94.0

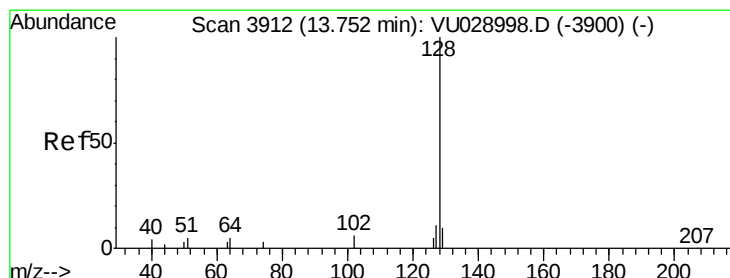
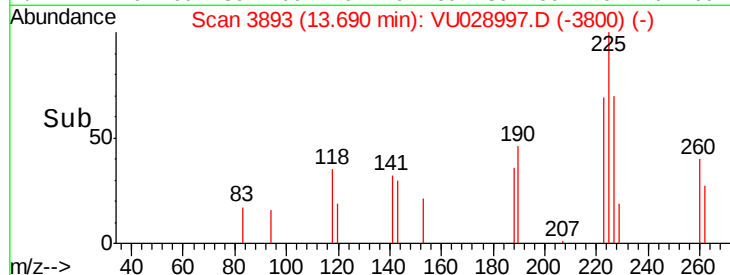
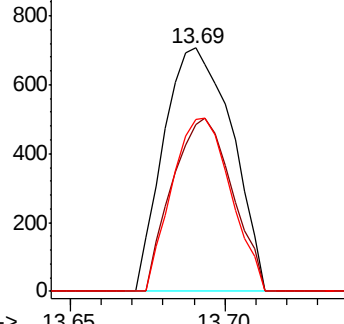
227 61.2 31.9 95.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 2.661 ug/l

RT: 13.75 min Scan# 3910

Delta R.T. 0.01 min

Lab File: VU028997.D

Acq: 03 Jan 2019 15:06

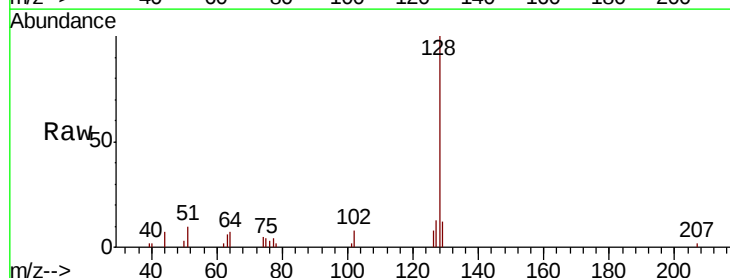
Tgt Ion:128 Resp: 17430

Ion Ratio Lower Upper

128 100

127 12.1 10.1 15.1

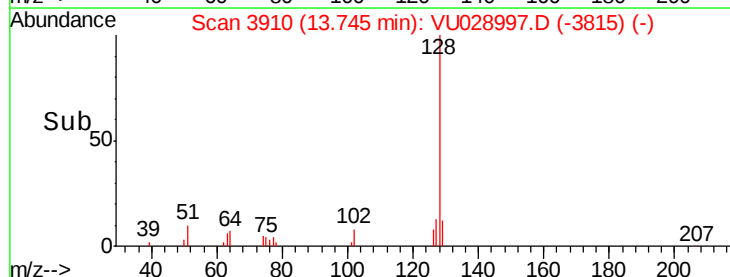
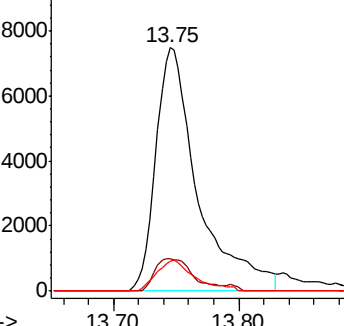
129 11.4 8.5 12.7

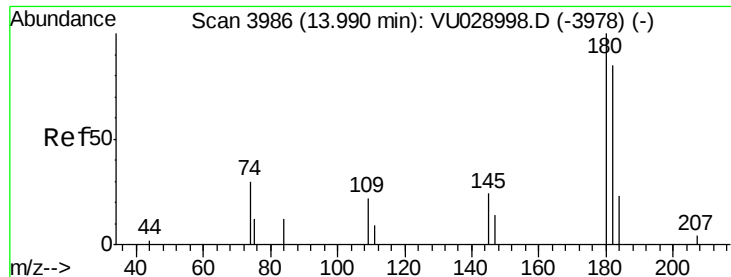


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 3.279 ug/l
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU028997.D
 Acq: 03 Jan 2019 15:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK49

Tgt Ion:180 Resp: 5041
 Ion Ratio Lower Upper
 180 100
 182 84.9 48.1 144.3
 145 29.0 14.8 44.4

