

Data File : VU027801.D
Acq On : 24 Oct 2018 21:48
Operator : MD/SY
Sample : J5599-09MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H1A08MS

Quant Time: Oct 25 07:25:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 25 07:21:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	33243	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	32040	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	15367	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	13144	4.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.00%
7) Chloroethane-d5	1.68	69	10496	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.40%
11) 1,1-Dichloroethene-d2	2.28	63	26552	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.40%
20) 2-Butanone-d5	4.20	46	45800	55.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.18%
24) Chloroform-d	4.65	84	22695	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.32	65	15686	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
32) Benzene-d6	5.34	84	48054	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.60%
36) 1,2-Dichloropropane-d6	6.33	67	16982	5.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.00%
41) Toluene-d8	7.57	98	43862	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
43) trans-1,3-Dichloropropene-	7.86	79	6394	5.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.80%
46) 2-Hexanone-d5	8.31	63	38743	57.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.16%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	12668	5.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	16754	5.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.80%

Target Compounds

					Qvalue	
3) Chloromethane	1.33	50	298	0.082	ug/L #	41
8) Chloroethane	1.68	64	457	0.243	ug/L #	46
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	135	0.058	ug/L #	20
12) 1,1-Dichloroethene	2.29	96	11627	5.366	ug/L	95
13) Acetone	2.32	43	816	1.374	ug/L #	49
25) Chloroform	4.68	83	2661	0.515	ug/L	89
27) 1,2-Dichloroethane	5.39	62	539	0.141	ug/L #	79
33) Benzene	5.39	78	57902	5.438	ug/L	100
34) Trichloroethene	6.19	95	14566	5.281	ug/L	95
35) Methylcyclohexane	6.33	83	3639	0.789	ug/L #	17
37) 1,2-Dichloropropane	6.34	63	1930	0.617	ug/L #	90
39) cis-1,3-Dichloropropene	7.23	75	415	0.093	ug/L #	77
42) Toluene	7.64	91	62541	5.457	ug/L	99
45) 1,1,2-Trichloroethane	8.18	97	136	0.072	ug/L #	14
48) 2-Hexanone	8.31	43	5610	3.378	ug/L #	65
51) Chlorobenzene	9.12	112	37449	5.308	ug/L	99
59) 1,2,3-Trichloropropane	11.49	75	1888	0.959	ug/L #	42

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

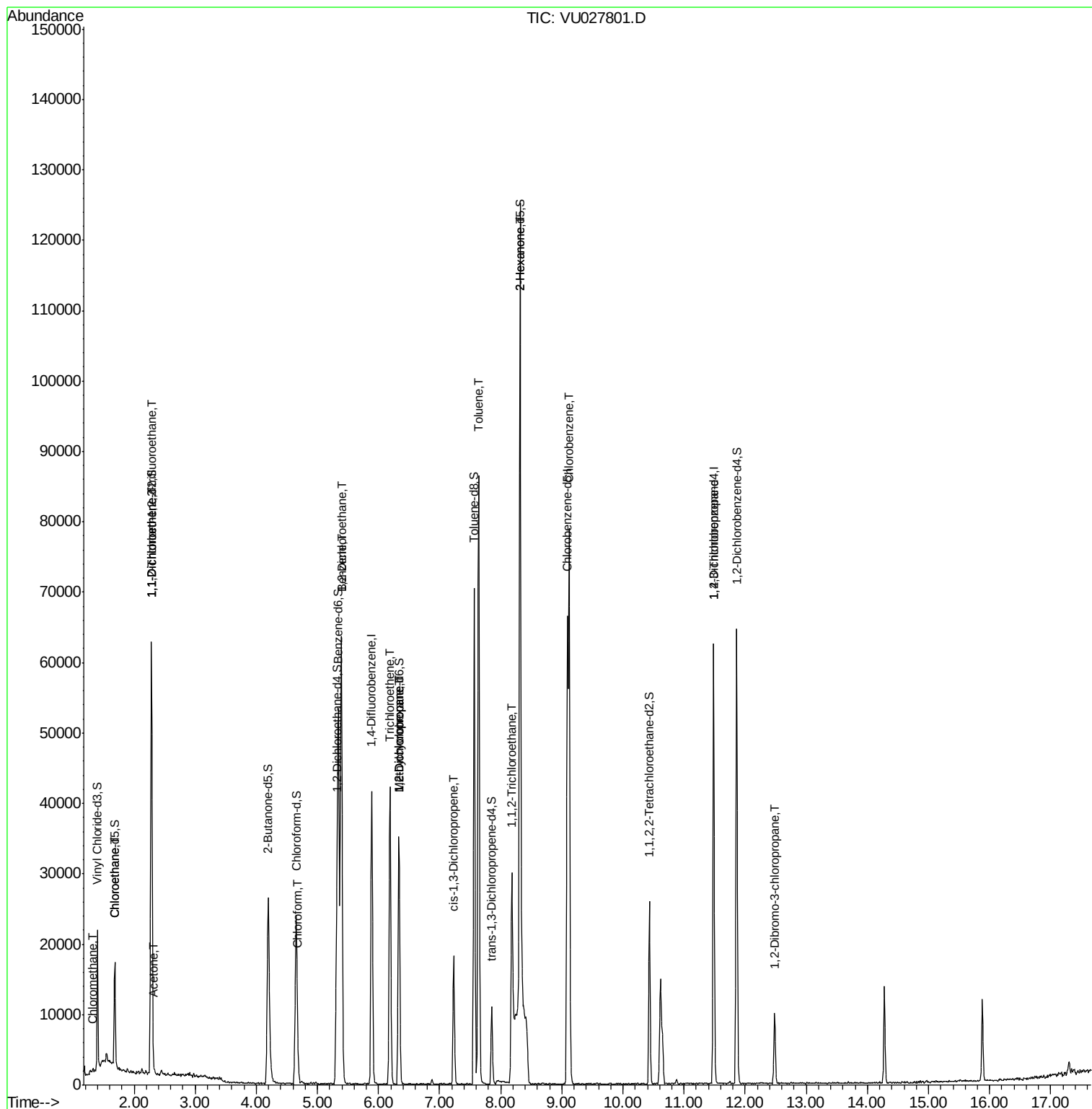
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dibromo-3-chloropropan	12.48	75	338	0.835	ug/L #	13

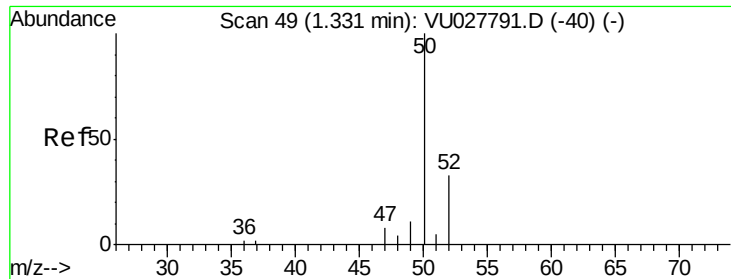
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.082 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027801.D

Acq: 24 Oct 2018 21:48

Instrument :

MSVOA_U

ClientSampleId :

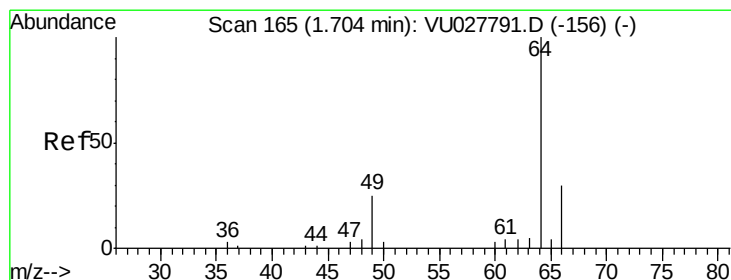
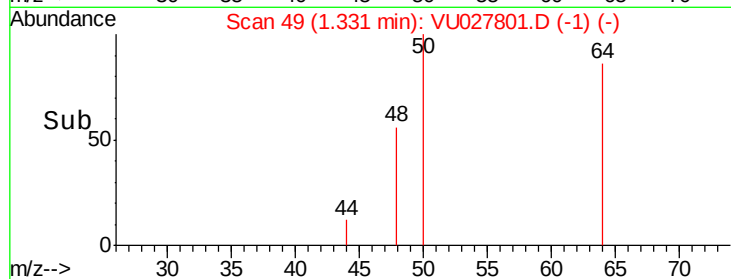
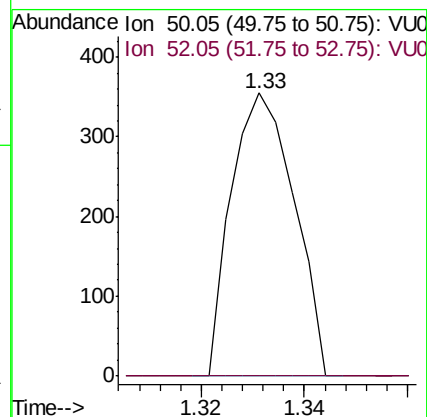
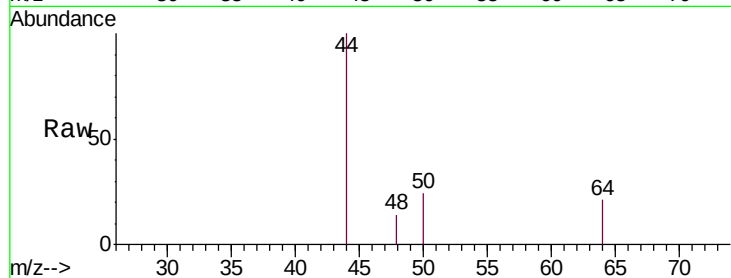
H1A08MS

Tgt Ion: 50 Resp: 298

Ion Ratio Lower Upper

50 100

52 0.0 23.7 43.9#



#8

Chloroethane

Concen: 0.243 ug/L

RT: 1.68 min Scan# 159

Delta R.T. -0.02 min

Lab File: VU027801.D

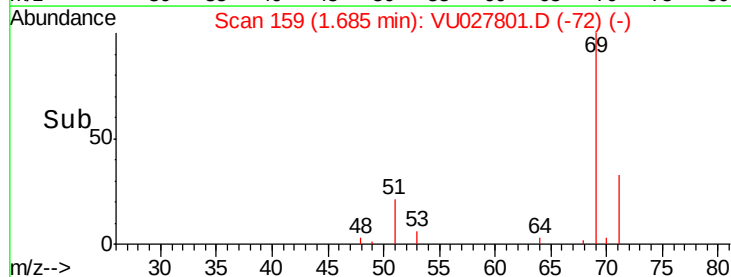
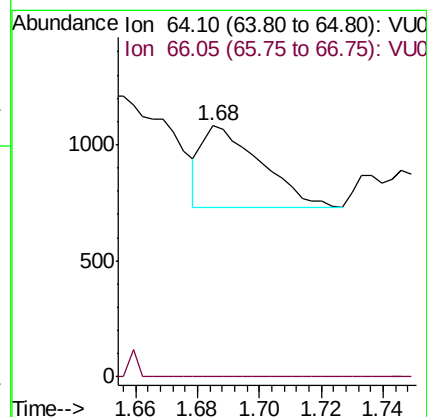
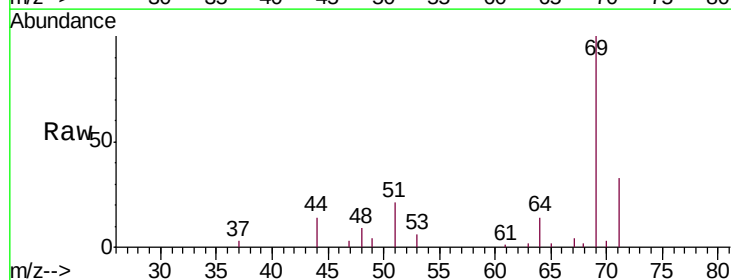
Acq: 24 Oct 2018 21:48

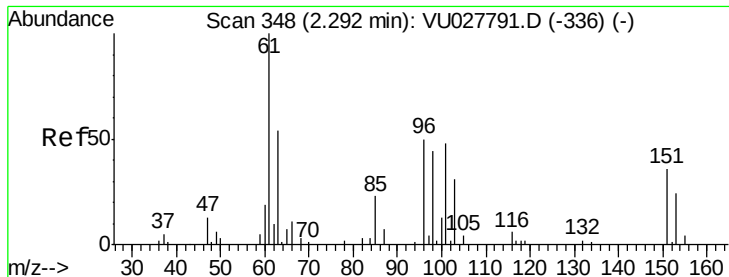
Tgt Ion: 64 Resp: 457

Ion Ratio Lower Upper

64 100

66 0.0 20.3 37.7#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.058 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU027801.D

Acq: 24 Oct 2018 21:48

Instrument :

MSVOA_U

ClientSampleId :

H1A08MS

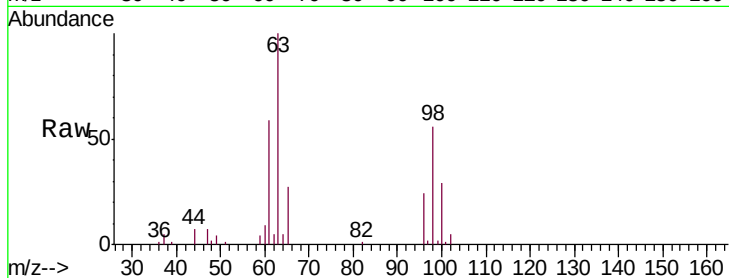
Tgt Ion: 101 Resp: 135

Ion Ratio Lower Upper

101 100

85 0.0 38.1 57.1#

151 0.0 57.0 85.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.28

150

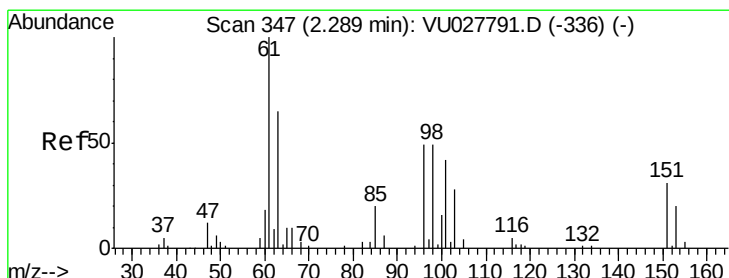
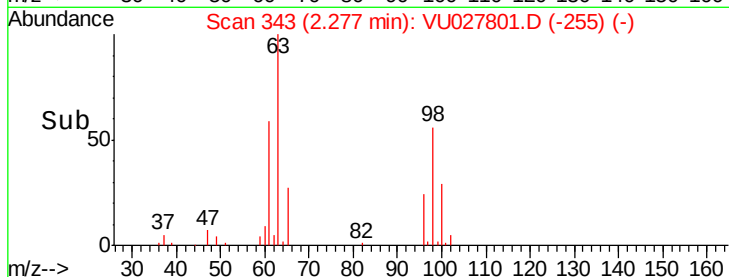
100

50

0

2.26 2.27 2.28 2.29 2.30

Time-->



#12

1,1-Dichloroethene

Concen: 5.366 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027801.D

Acq: 24 Oct 2018 21:48

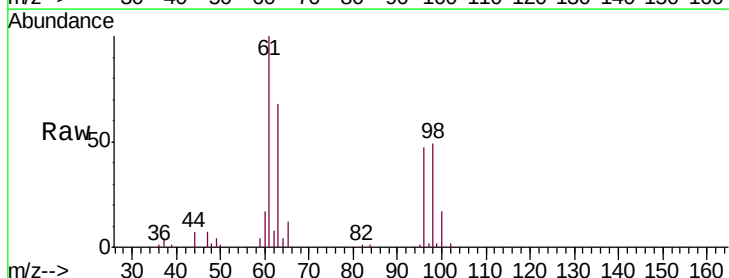
Tgt Ion: 96 Resp: 11627

Ion Ratio Lower Upper

96 100

61 214.9 143.8 267.0

63 145.8 105.1 195.3



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

20000

15000

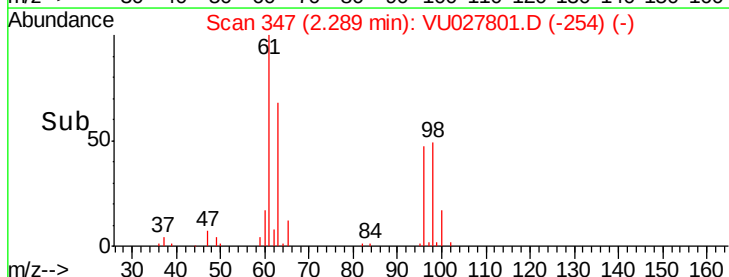
10000

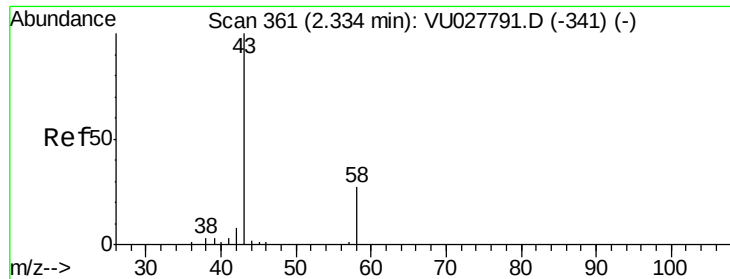
5000

0

2.25 2.29 2.35

Time-->





#13

Acetone

Concen: 1.374 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.01 min

Lab File: VU027801.D

Acq: 24 Oct 2018 21:48

Instrument :

MSVOA_U

ClientSampleId :

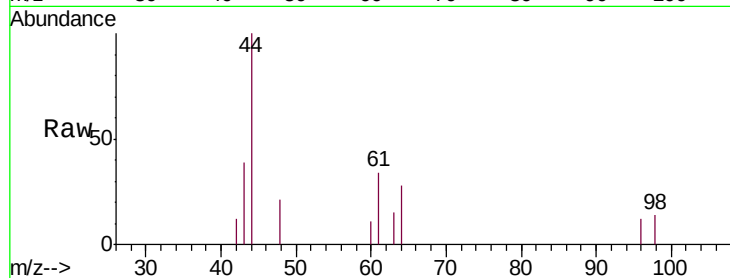
H1A08MS

Tgt Ion: 43 Resp: 816

Ion Ratio Lower Upper

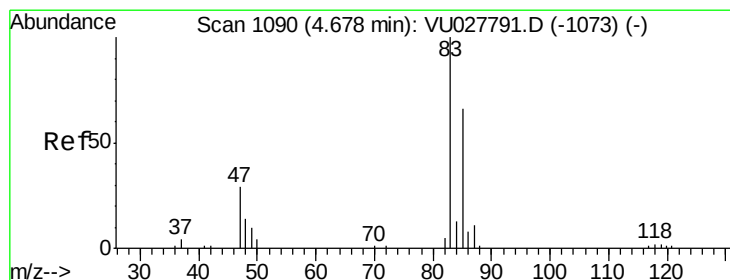
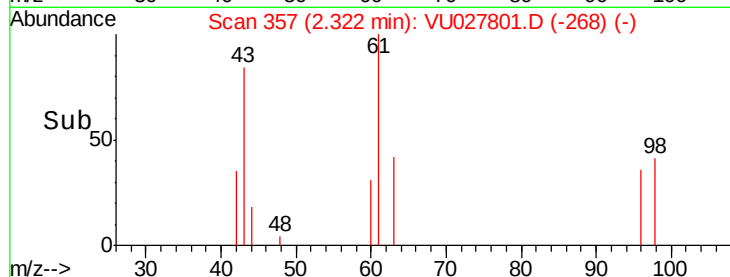
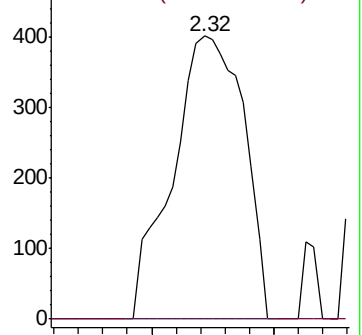
43 100

58 0.0 0.0 52.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#25

Chloroform

Concen: 0.515 ug/L

RT: 4.68 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VU027801.D

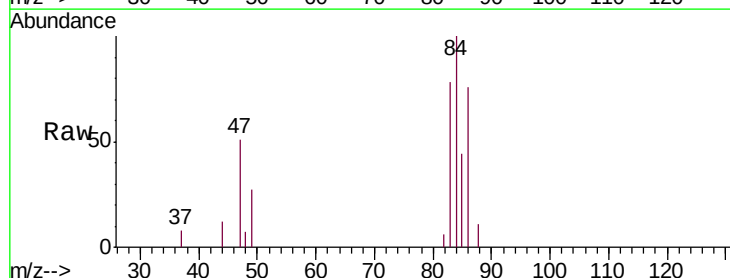
Acq: 24 Oct 2018 21:48

Tgt Ion: 83 Resp: 2661

Ion Ratio Lower Upper

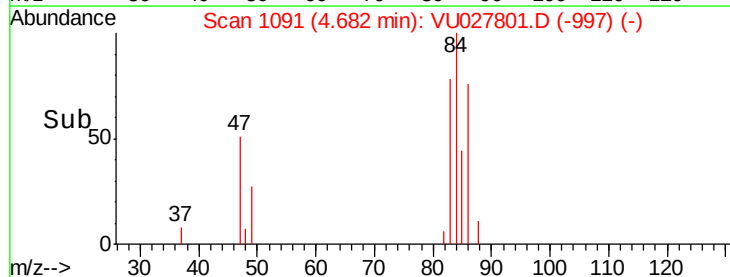
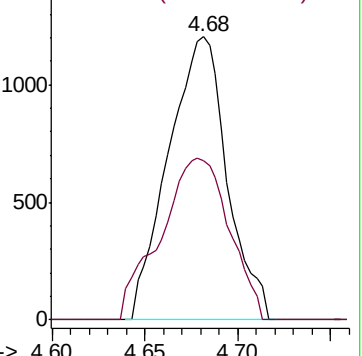
83 100

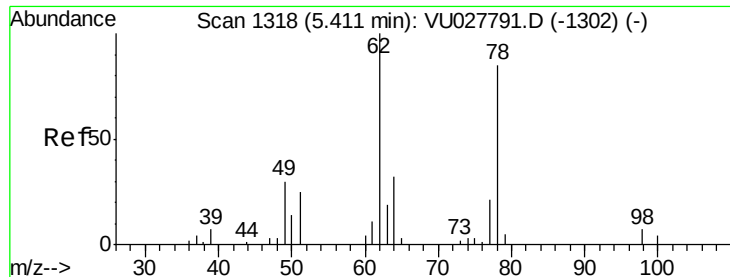
85 56.4 45.8 85.2



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

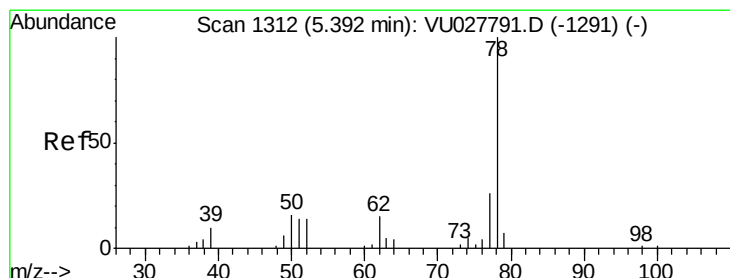
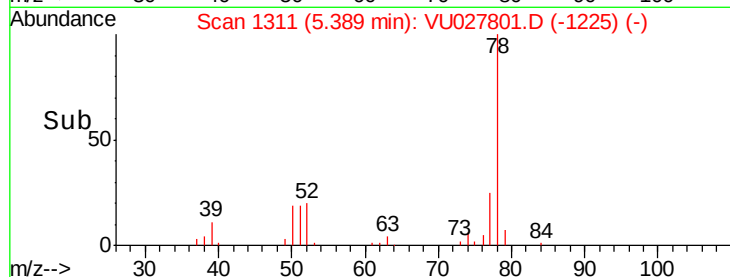
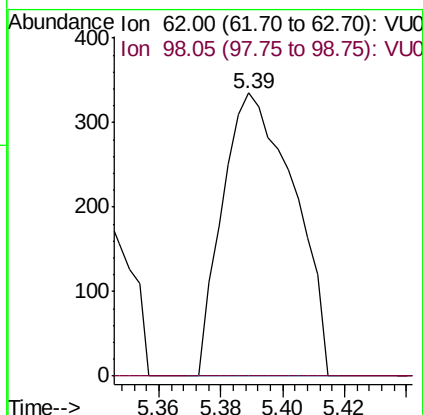
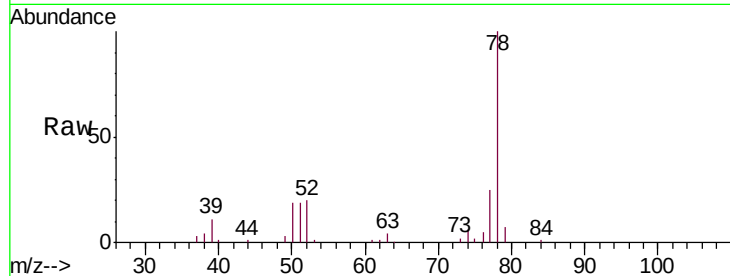




#27
 1,2-Dichloroethane
 Concen: 0.141 ug/L
 RT: 5.39 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: VU027801.D
 Acq: 24 Oct 2018 21:48

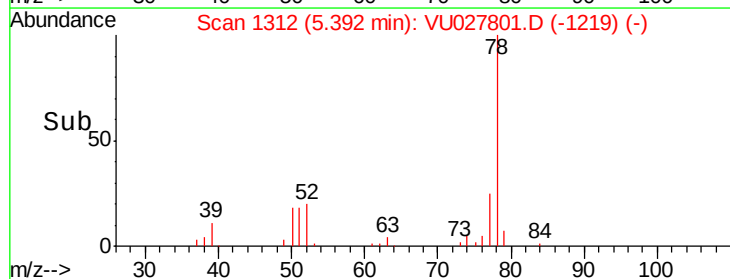
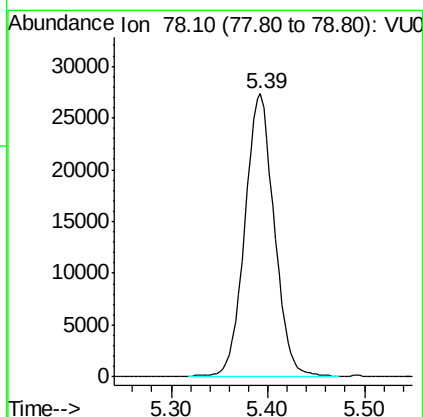
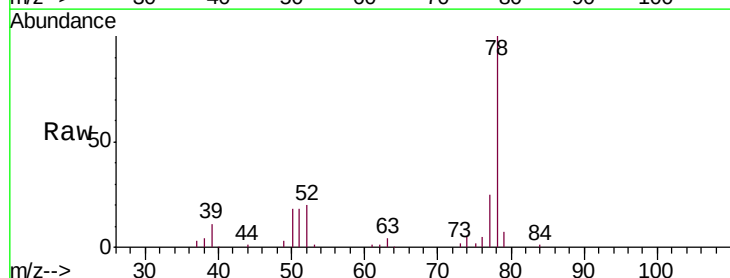
Instrument :
 MSVOA_U
 ClientSampleId :
 H1A08MS

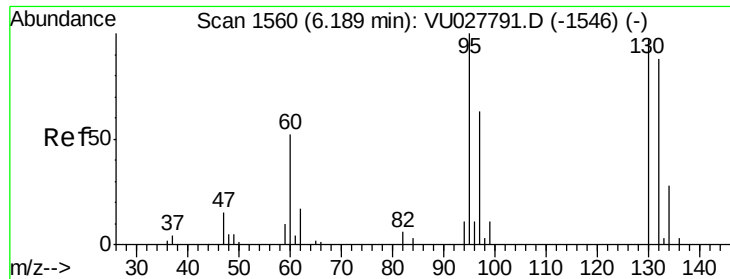
Tgt Ion: 62 Resp: 539
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.7 8.5#



#33
 Benzene
 Concen: 5.438 ug/L
 RT: 5.39 min Scan# 1312
 Delta R.T. 0.00 min
 Lab File: VU027801.D
 Acq: 24 Oct 2018 21:48

Tgt Ion: 78 Resp: 57902





#34

Trichloroethene

Concen: 5.281 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027801.D

Acq: 24 Oct 2018 21:48

Instrument :

MSVOA_U

ClientSampleId :

H1A08MS

Tgt Ion: 95 Resp: 14566

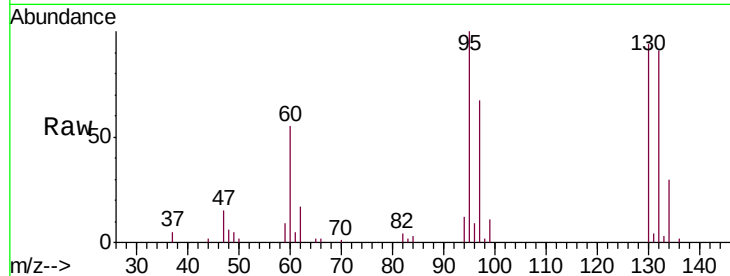
Ion Ratio Lower Upper

95 100

97 67.0 46.4 86.2

132 91.2 62.0 115.2

130 93.6 59.5 110.5



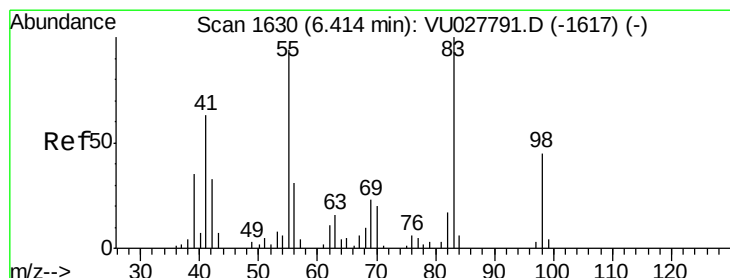
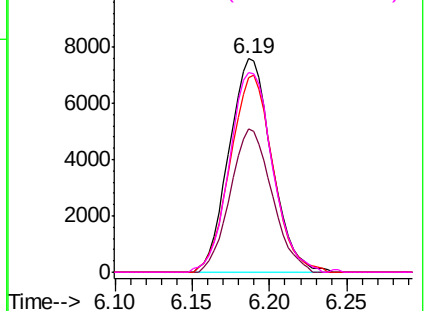
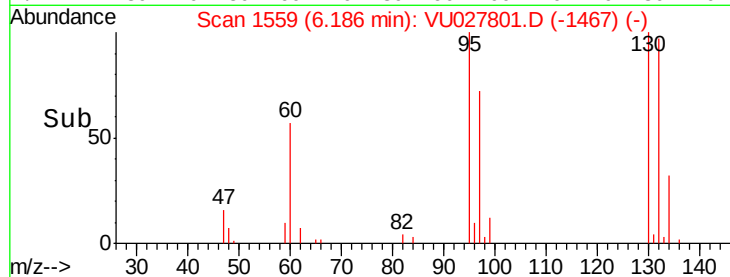
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.789 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU027801.D

Acq: 24 Oct 2018 21:48

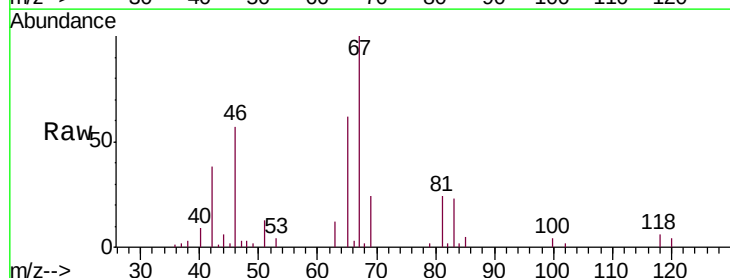
Tgt Ion: 83 Resp: 3639

Ion Ratio Lower Upper

83 100

55 0.0 71.5 107.3#

98 5.6 35.4 53.0#

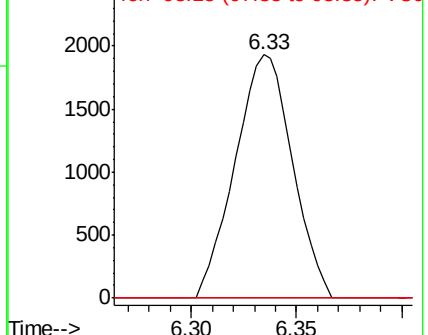
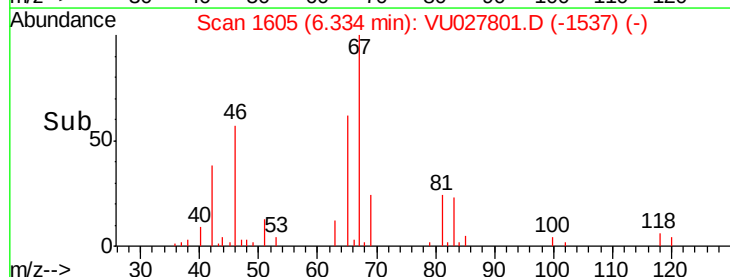


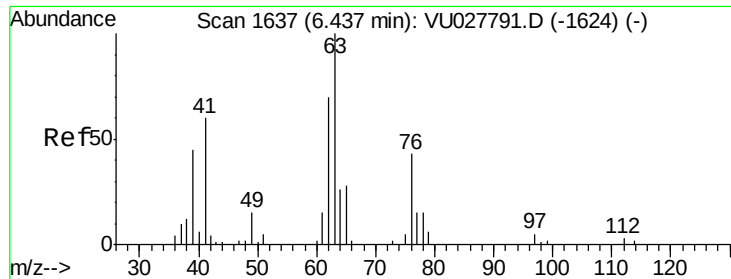
Abundance

Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

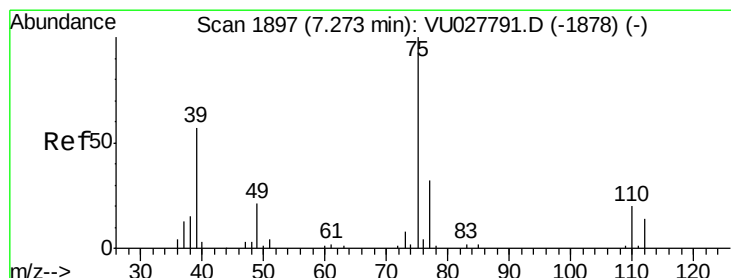
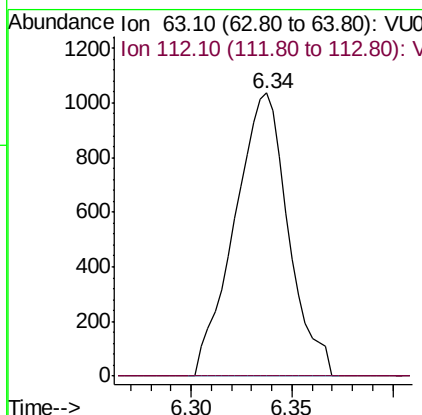
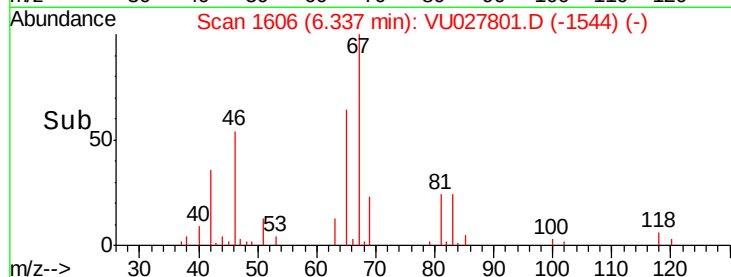
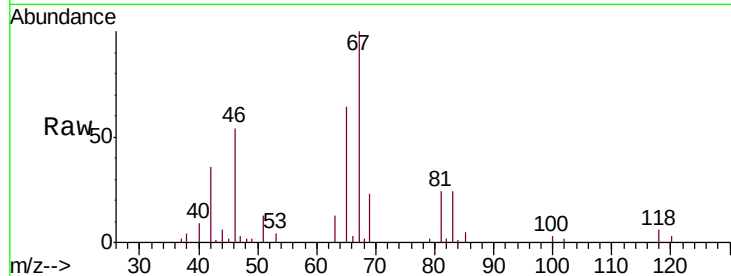




#37
 1,2-Dichloropropane
 Concen: 0.617 ug/L
 RT: 6.34 min Scan# 1606
 Delta R.T. -0.10 min
 Lab File: VU027801.D
 Acq: 24 Oct 2018 21:48

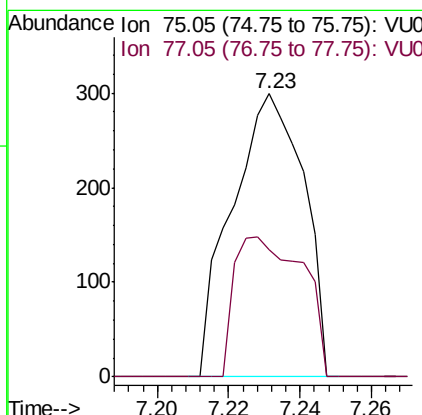
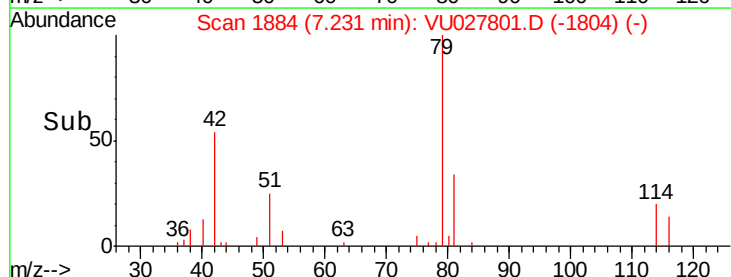
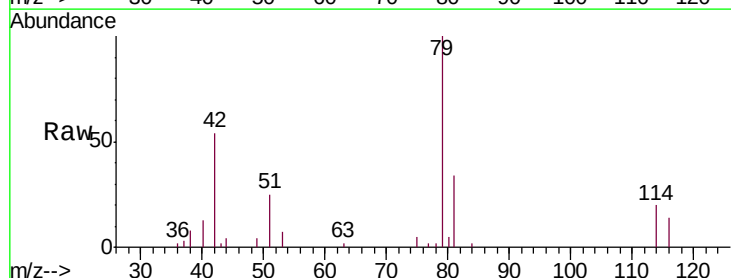
Instrument :
 MSVOA_U
 ClientSampleId :
 H1A08MS

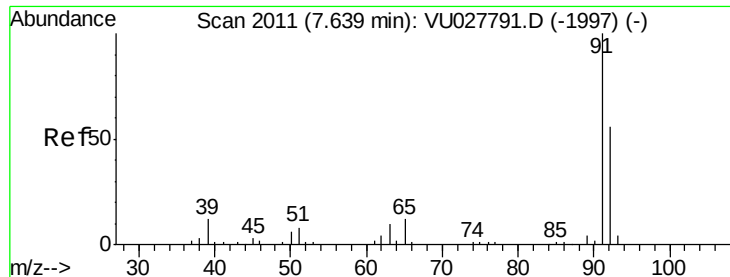
Tgt Ion: 63 Resp: 1930
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.093 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU027801.D
 Acq: 24 Oct 2018 21:48

Tgt Ion: 75 Resp: 415
 Ion Ratio Lower Upper
 75 100
 77 44.8 22.5 41.7#





#42

Toluene

Concen: 5.457 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027801.D

Acq: 24 Oct 2018 21:48

Instrument :

MSVOA_U

ClientSampleId :

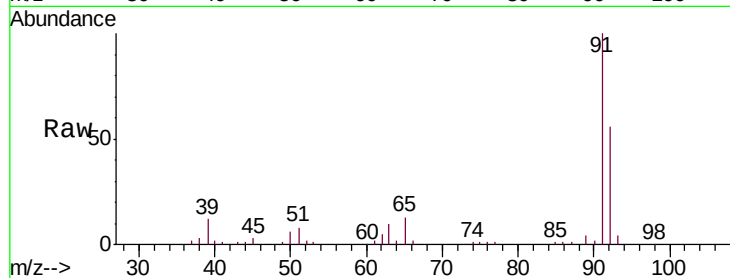
H1A08MS

Tgt Ion: 91 Resp: 62541

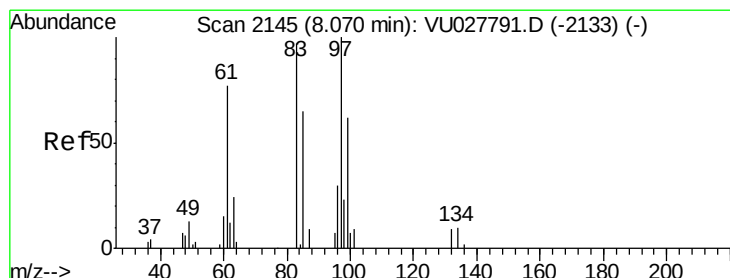
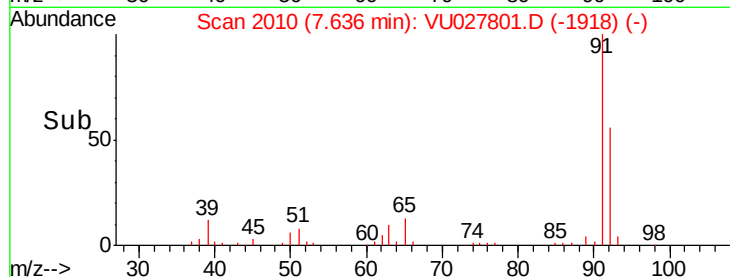
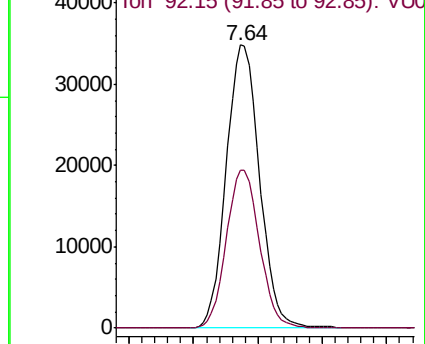
Ion Ratio Lower Upper

91 100

92 56.0 38.6 71.8



Abundance Ion 91.15 (90.85 to 91.85): VU027791.D (-1997) (-)



#45

1,1,2-Trichloroethane

Concen: 0.072 ug/L

RT: 8.18 min Scan# 2178

Delta R.T. 0.11 min

Lab File: VU027801.D

Acq: 24 Oct 2018 21:48

Tgt Ion: 97 Resp: 136

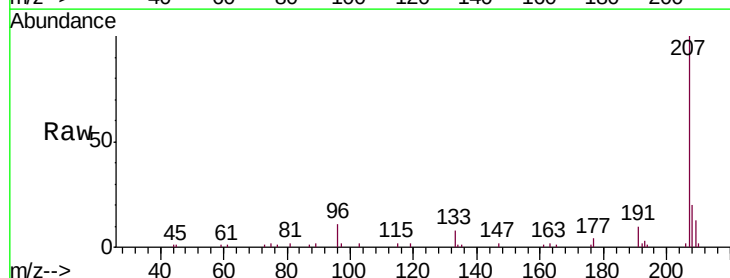
Ion Ratio Lower Upper

97 100

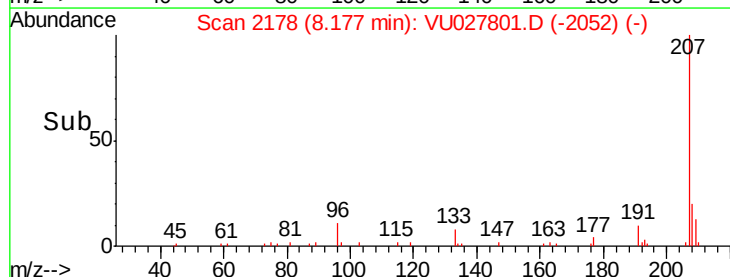
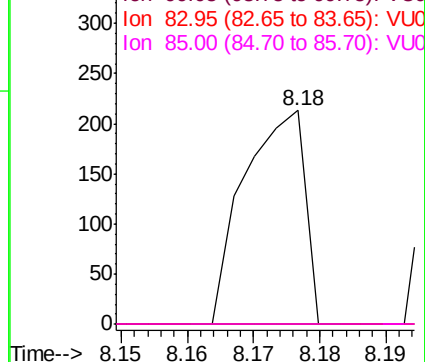
99 0.0 42.8 79.6#

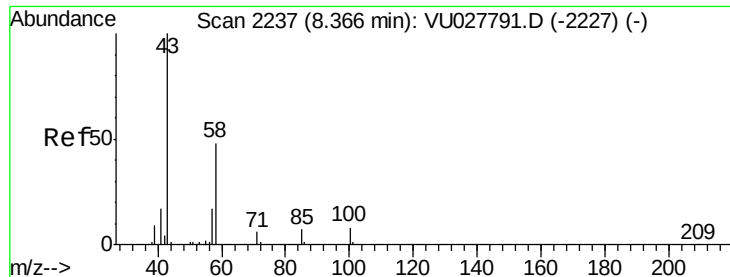
83 0.0 62.9 116.9#

85 0.0 40.8 75.8#



Abundance Ion 96.95 (96.65 to 97.65): VU027791.D (-2133) (-)

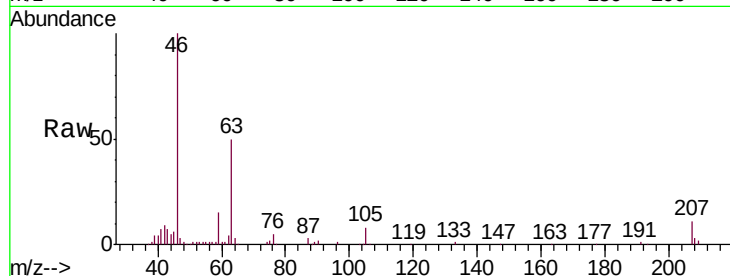




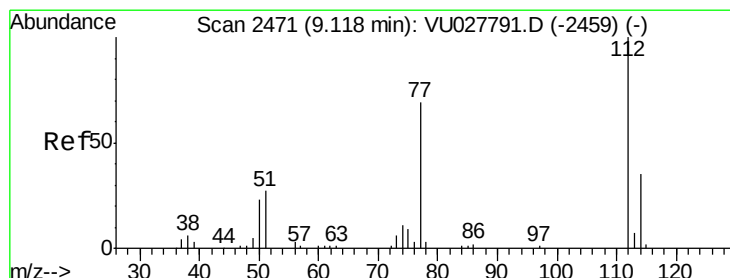
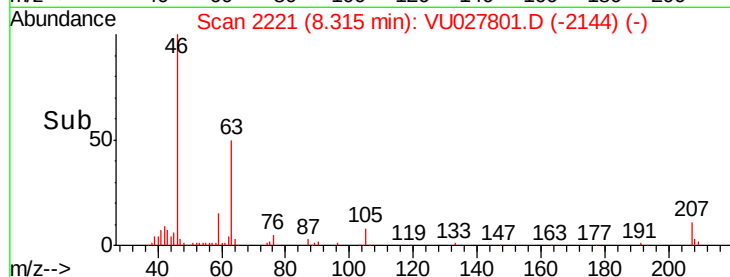
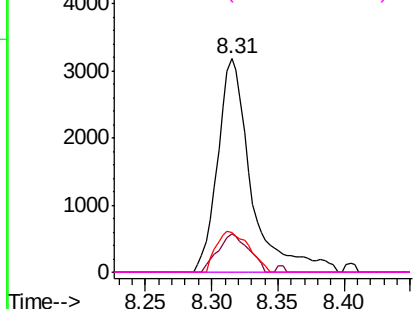
#48
2-Hexanone
Concen: 3.378 ug/L
RT: 8.31 min Scan# 2221
Delta R.T. -0.05 min
Lab File: VU027801.D
Acq: 24 Oct 2018 21:48

Instrument :
MSVOA_U
ClientSampleId :
H1A08MS

Tgt Ion: 43 Resp: 5610
Ion Ratio Lower Upper
43 100
58 16.4 39.4 59.0#
57 18.6 13.8 20.8
100 0.0 6.7 10.1#

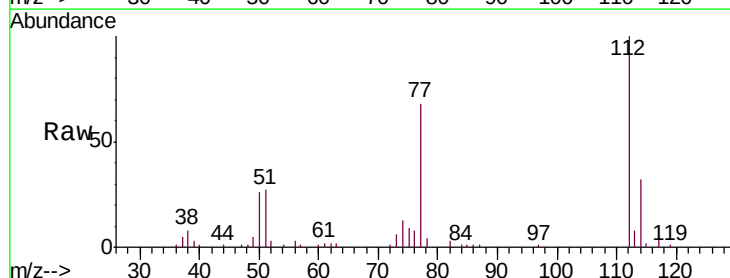


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

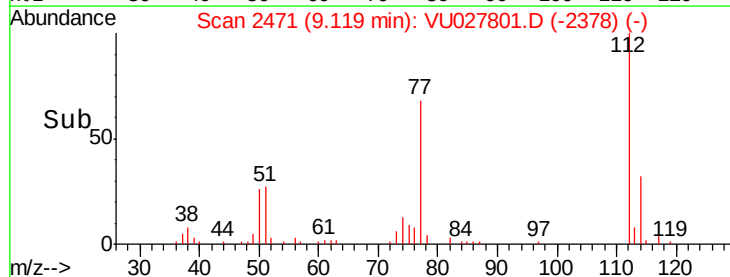
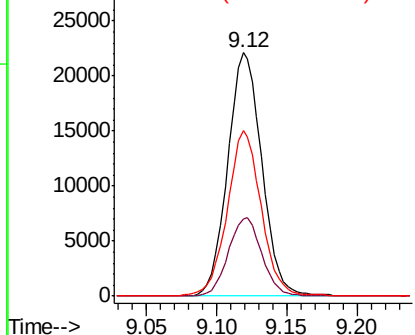


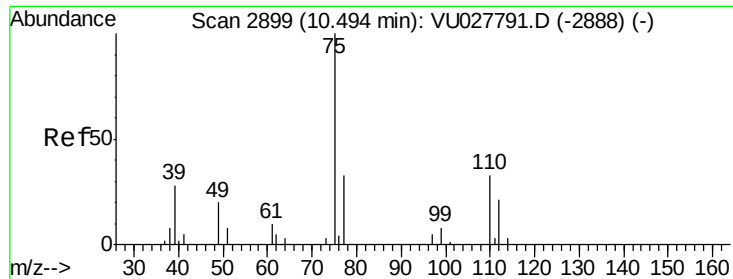
#51
Chlorobenzene
Concen: 5.308 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027801.D
Acq: 24 Oct 2018 21:48

Tgt Ion: 112 Resp: 37449
Ion Ratio Lower Upper
112 100
114 31.7 21.2 39.4
77 68.2 54.2 81.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU0

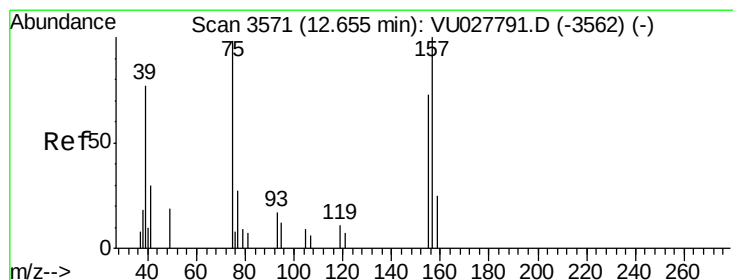
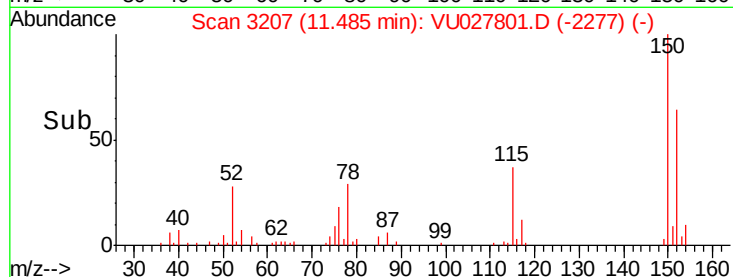
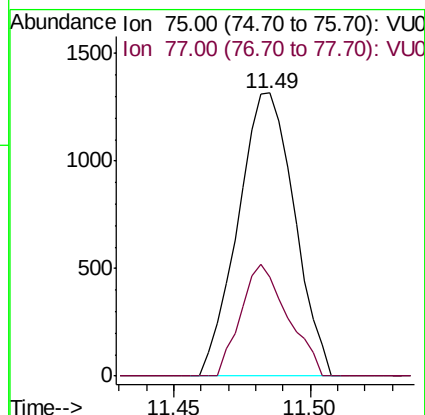
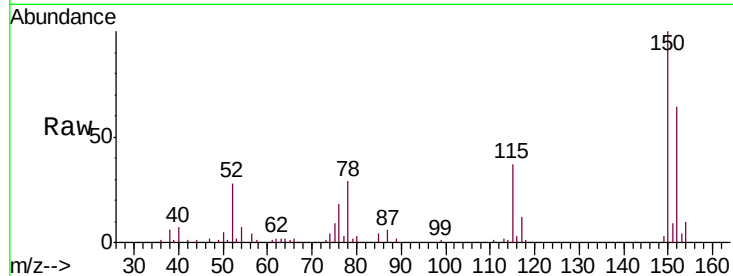




#59
 1,2,3-Trichloropropane
 Concen: 0.959 ug/L
 RT: 11.49 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU027801.D
 Acq: 24 Oct 2018 21:48

Instrument :
 MSVOA_U
 ClientSampleId :
 H1A08MS

Tgt Ion: 75 Resp: 1888
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.835 ug/L
 RT: 12.48 min Scan# 3517
 Delta R.T. -0.17 min
 Lab File: VU027801.D
 Acq: 24 Oct 2018 21:48

Tgt Ion: 75 Resp: 338
 Ion Ratio Lower Upper
 75 100
 155 0.0 46.2 69.2#
 157 0.0 68.9 103.3#

