

Data File : MDL01.D
Acq On : 30 Oct 2018 17:52
Operator : MD/SY
Sample : MDL1
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Oct 31 02:46:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR103018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 31 02:11:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	80753	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	78699	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	38841	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	29660	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.68	69	23546	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.28	63	44100	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	4.19	46	94370	50.14	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.28%
24) Chloroform-d	4.65	84	52576	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.31	65	32036	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.34	84	100988	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.33	67	36598	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.57	98	95408	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	7.85	79	13591	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.31	63	78583	48.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.30%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	25797	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	35535	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	2418	0.304 ug/L	92
3) Chloromethane	1.33	50	2468	0.313 ug/L	90
5) Vinyl chloride	1.40	62	2702	0.344 ug/L #	73
6) Bromomethane	1.64	94	898	0.348 ug/L	99
8) Chloroethane	1.70	64	2055	0.447 ug/L	88
9) Trichlorofluoromethane	1.89	101	3507	0.337 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.30	101	2038	0.383 ug/L	86
12) 1,1-Dichloroethene	2.29	96	1886	0.376 ug/L #	1
13) Acetone	2.33	43	5162	4.351 ug/L	88
14) Carbon disulfide	2.49	76	5922	0.331 ug/L	96
15) Methyl Acetate	2.62	43	1625	0.512 ug/L #	68
16) Methylene chloride	2.71	84	2391	0.424 ug/L	88
17) Methyl tert-butyl Ether	3.01	73	5164	0.345 ug/L	94
18) trans-1,2-Dichloroethene	2.99	96	1828	0.343 ug/L	96
19) 1,1-Dichloroethane	3.45	63	3854	0.342 ug/L	99
21) 2-Butanone	4.28	43	7473	3.623 ug/L	93
22) cis-1,2-Dichloroethene	4.23	96	1803	0.293 ug/L	94

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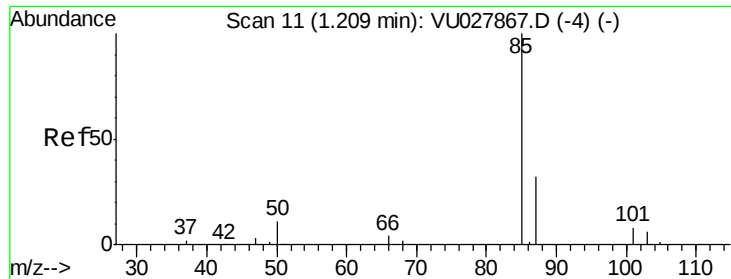
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.56	128	497	0.195	ug/L	88
25) Chloroform	4.67	83	4255	0.373	ug/L	90
27) 1,2-Dichloroethane	5.41	62	2905	0.365	ug/L #	78
29) 1,1,1-Trichloroethane	4.92	97	3335	0.328	ug/L #	70
30) Cyclohexane	4.99	56	3657	0.306	ug/L #	94
31) Carbon tetrachloride	5.14	117	2953	0.339	ug/L	86
33) Benzene	5.39	78	7794	0.313	ug/L	100
34) Trichloroethene	6.19	95	2150	0.331	ug/L	89
35) Methylcyclohexane	6.42	83	3324	0.301	ug/L	95
37) 1,2-Dichloropropane	6.43	63	2194	0.309	ug/L #	90
38) Bromodichloromethane	6.76	83	2548	0.307	ug/L #	88
39) cis-1,3-Dichloropropene	7.27	75	3108	0.305	ug/L	94
40) 4-Methyl-2-pentanone	7.47	43	16572	3.304	ug/L #	91
42) Toluene	7.64	91	8395	0.322	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	3264	0.374	ug/L #	80
45) 1,1,2-Trichloroethane	8.07	97	1450	0.332	ug/L	91
47) Tetrachloroethene	8.22	164	1624	0.326	ug/L	93
48) 2-Hexanone	8.37	43	12850	3.554	ug/L	99
49) Dibromochloromethane	8.48	129	1553	0.294	ug/L	100
50) 1,2-Dibromoethane	8.59	107	1301	0.311	ug/L #	94
51) Chlorobenzene	9.12	112	5232	0.323	ug/L	96
52) Ethylbenzene	9.25	91	9611	0.323	ug/L	99
53) m,p-xylene	9.38	106	3046	0.283	ug/L	86
54) o-xylene	9.78	106	3437	0.325	ug/L	79
55) Styrene	9.80	104	5616	0.316	ug/L	84
56) Isopropylbenzene	10.17	105	9147	0.317	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.46	83	1620	0.284	ug/L #	55
59) 1,2,3-Trichloropropane	11.48	75	6725	1.563	ug/L	93
61) Bromoform	9.95	173	829	0.290	ug/L #	82
62) 1,3-Dichlorobenzene	11.42	146	3945	0.316	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	4226	0.338	ug/L	86
65) 1,2-Dichlorobenzene	11.88	146	3983	0.338	ug/L	90
66) 1,2-Dibromo-3-chloropropan	12.66	75	237	0.256	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	3469	0.345	ug/L	94
68) 1,2,4-trichlorobenzene	13.51	180	2661	0.311	ug/L	97
69) Naphthalene	13.75	128	3700	0.278	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.99	180	2082	0.267	ug/L	88

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

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#2

Dichlorodifluoromethane

Concen: 0.304 ug/L

RT: 1.21 min Scan# 11

Delta R.T. -0.00 min

Lab File: MDL01.D

Acq: 30 Oct 2018 17:52

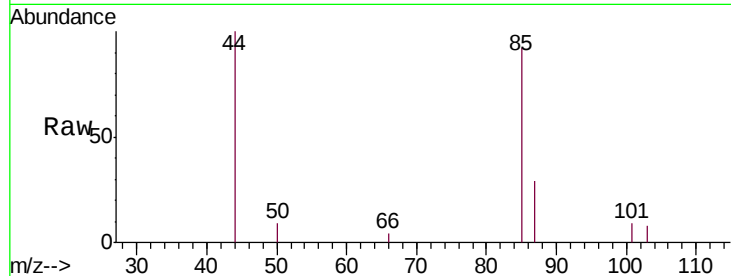
Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 85 Resp: 2418

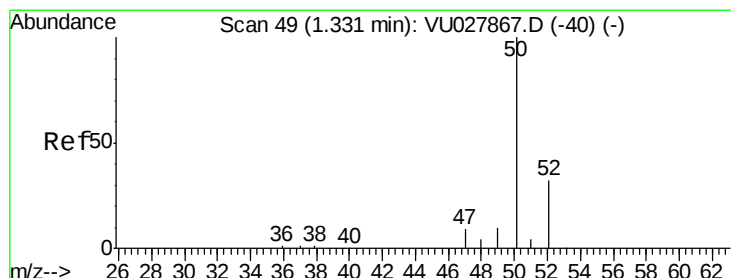
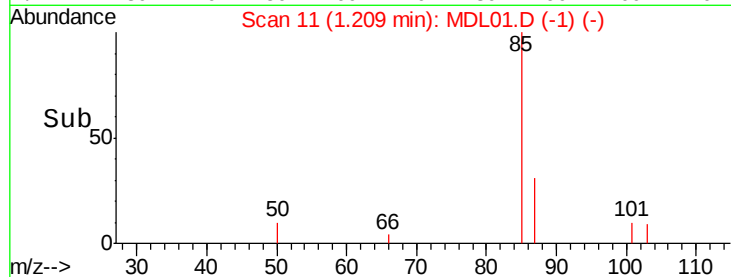
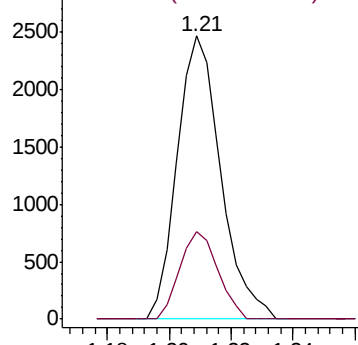
Ion Ratio Lower Upper

85 100

87 26.9 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): MDL
Ion 87.00 (86.70 to 87.70): MDL



#3

Chloromethane

Concen: 0.313 ug/L

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: MDL01.D

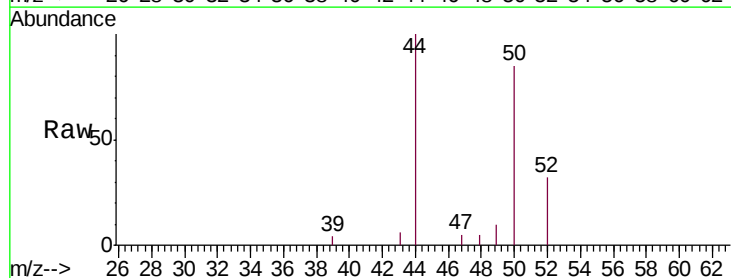
Acq: 30 Oct 2018 17:52

Tgt Ion: 50 Resp: 2468

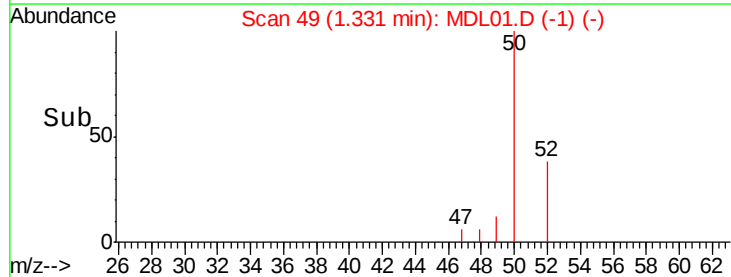
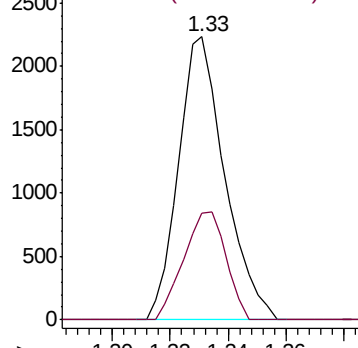
Ion Ratio Lower Upper

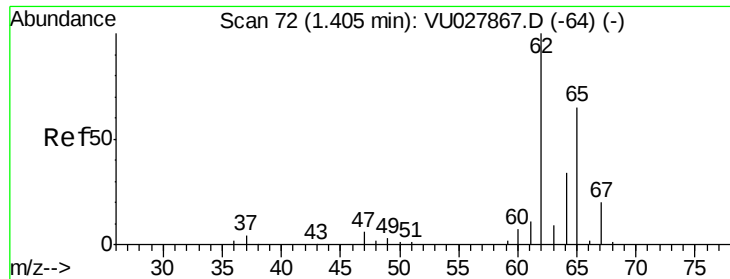
50 100

52 37.7 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): MDL
Ion 52.05 (51.75 to 52.75): MDL





#5

Vinyl chloride

Concen: 0.344 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: MDL01.D

Acq: 30 Oct 2018 17:52

Instrument :

MSVOA_U

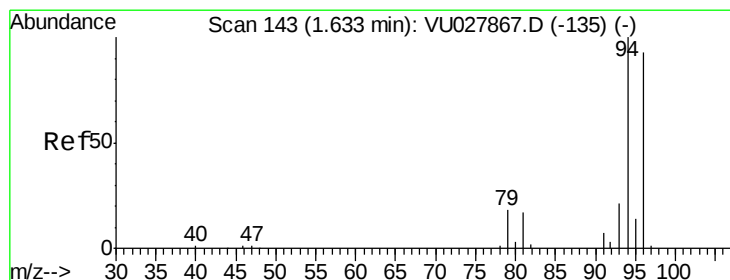
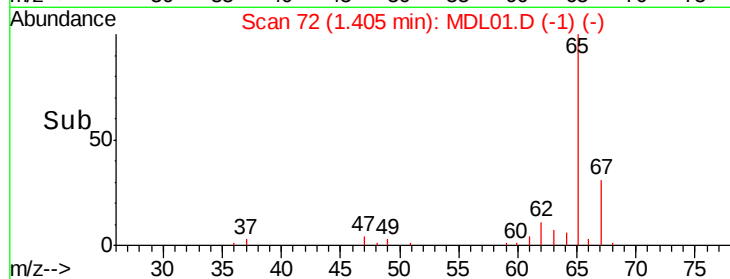
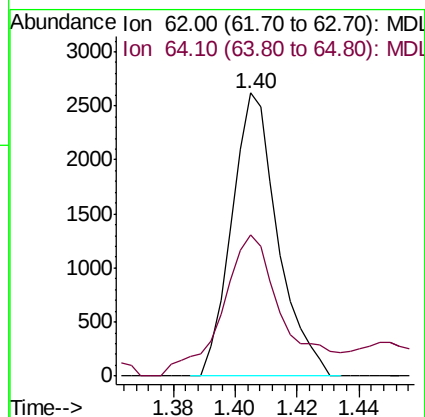
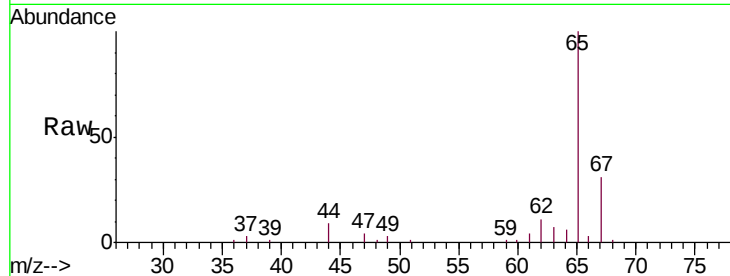
ClientSampleId :

Tgt Ion: 62 Resp: 2702

Ion Ratio Lower Upper

62 100

64 50.0 24.0 44.6#



#6

Bromomethane

Concen: 0.348 ug/L

RT: 1.64 min Scan# 144

Delta R.T. 0.00 min

Lab File: MDL01.D

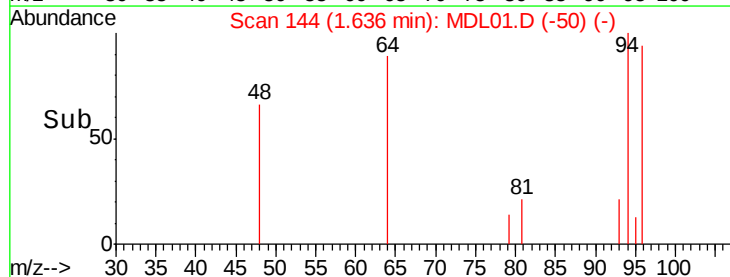
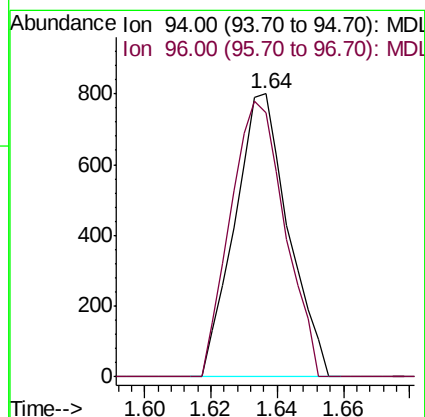
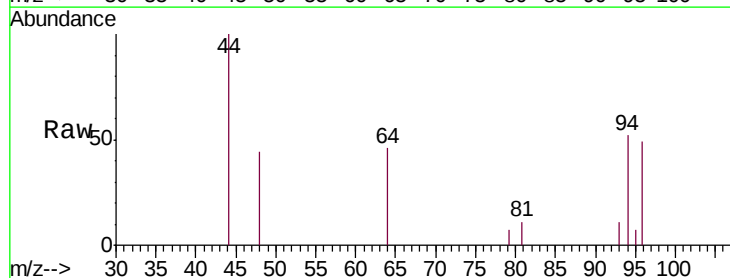
Acq: 30 Oct 2018 17:52

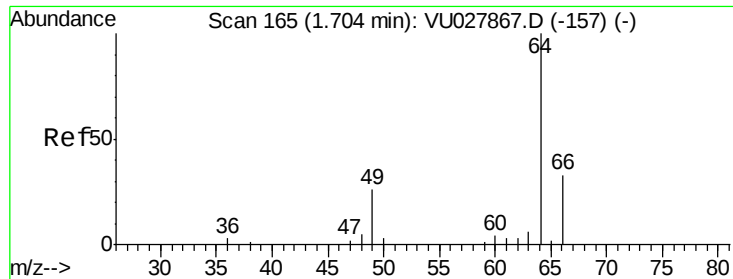
Tgt Ion: 94 Resp: 898

Ion Ratio Lower Upper

94 100

96 93.5 65.0 120.6





#8

Chloroethane

Concen: 0.447 ug/L

RT: 1.70 min Scan# 165

Delta R.T. -0.00 min

Lab File: MDL01.D

Acq: 30 Oct 2018 17:52

Instrument :

MSVOA_U

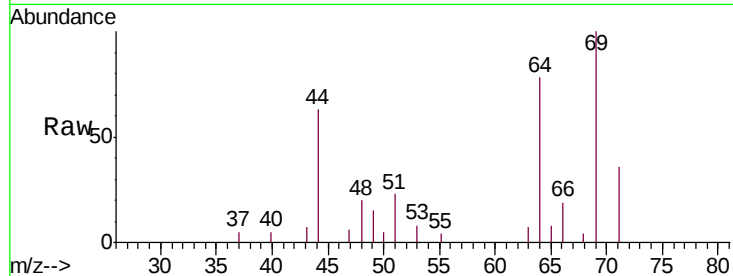
ClientSampleId :

Tgt Ion: 64 Resp: 2055

Ion Ratio Lower Upper

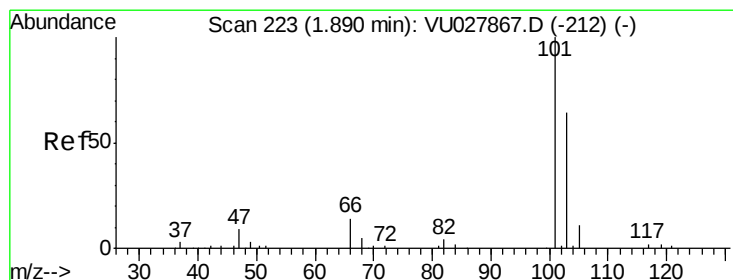
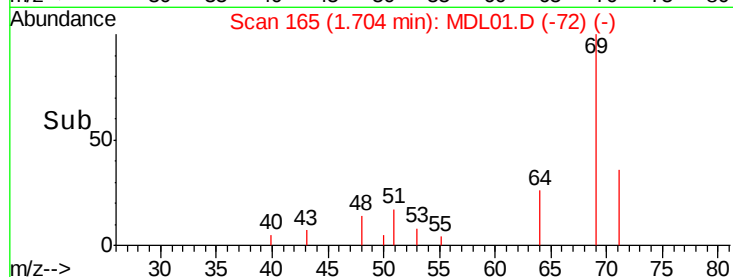
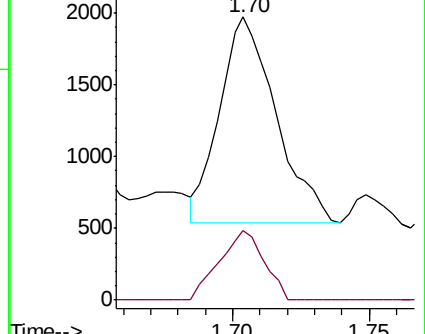
64 100

66 24.7 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): MDL

Ion 66.05 (65.75 to 66.75): MDL



#9

Trichlorofluoromethane

Concen: 0.337 ug/L

RT: 1.89 min Scan# 224

Delta R.T. 0.00 min

Lab File: MDL01.D

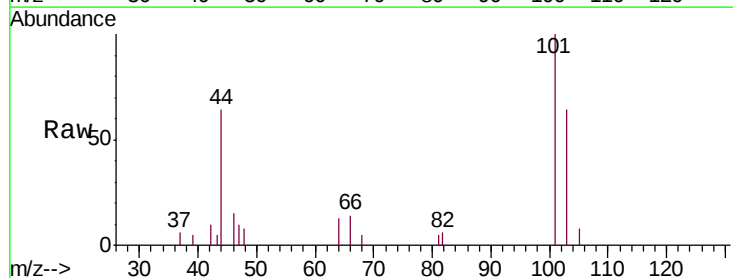
Acq: 30 Oct 2018 17:52

Tgt Ion: 101 Resp: 3507

Ion Ratio Lower Upper

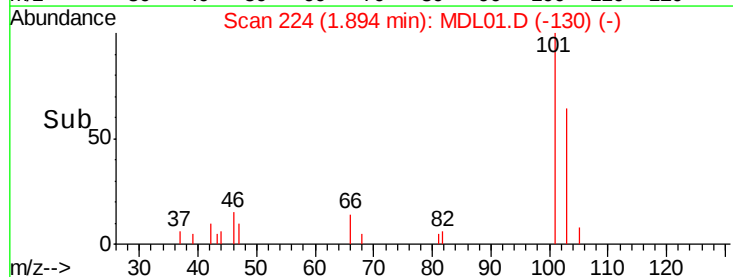
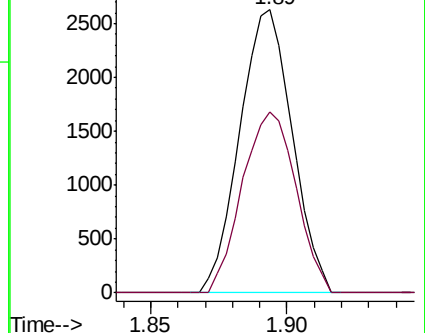
101 100

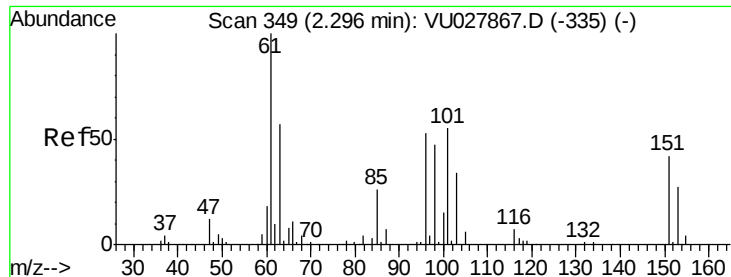
103 65.4 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): N

Ion 103.00 (102.70 to 103.70): N





#10

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

Concen: 0.383 ug/L

RT: 2.30 min Scan# 349

Delta R.T. -0.00 min

Lab File: MDL01.D

Acq: 30 Oct 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

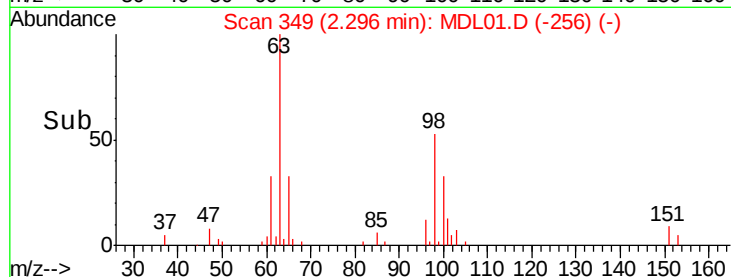
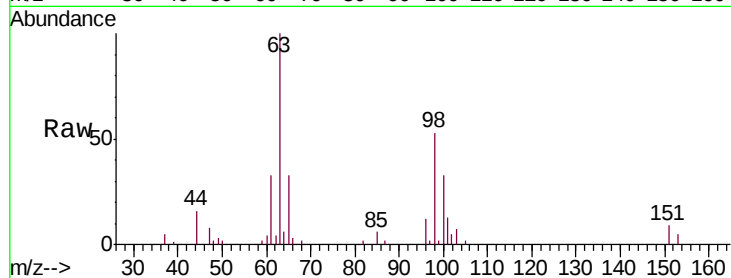
Tgt Ion:101 Resp: 2038

Ion Ratio Lower Upper

101 100

85 39.9 37.1 55.7

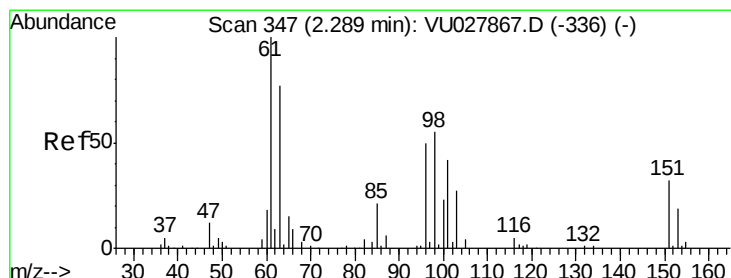
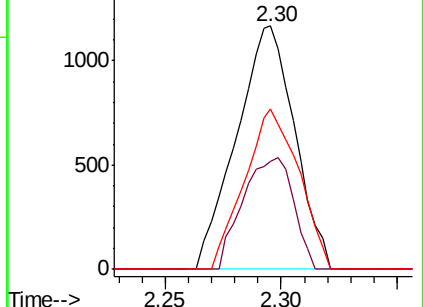
151 61.4 59.9 89.9



Abundance Ion 101.00 (100.70 to 101.70): N

Ion 85.00 (84.70 to 85.70): MDL

Ion 151.00 (150.70 to 151.70): N



#12

1,1-Dichloroethene

Concen: 0.376 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: MDL01.D

Acq: 30 Oct 2018 17:52

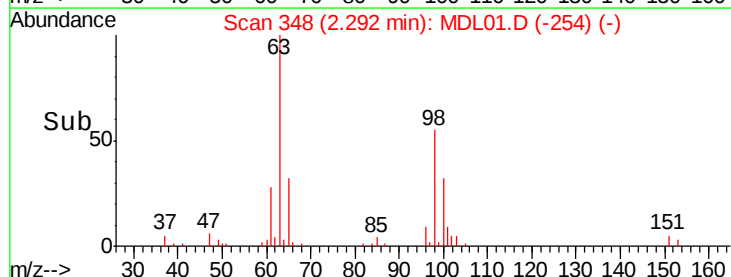
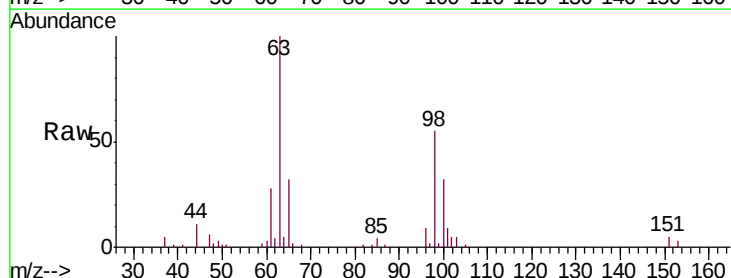
Tgt Ion: 96 Resp: 1886

Ion Ratio Lower Upper

96 100

61 307.9 141.1 262.1#

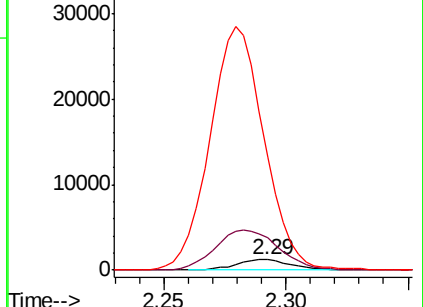
63 1088.5 113.0 209.9#

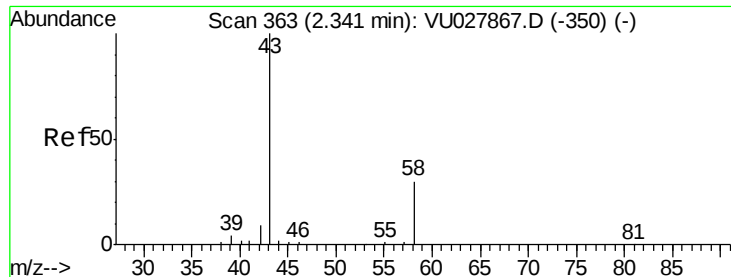


Abundance Ion 96.00 (95.70 to 96.70): MDL

Ion 61.05 (60.75 to 61.75): MDL

Ion 63.00 (62.70 to 63.70): MDL





#13

Acetone

Concen: 4.351 ug/L

RT: 2.33 min Scan# 359

Delta R.T. -0.01 min

Lab File: MDL01.D

Acq: 30 Oct 2018 17:52

Instrument :

MSVOA_U

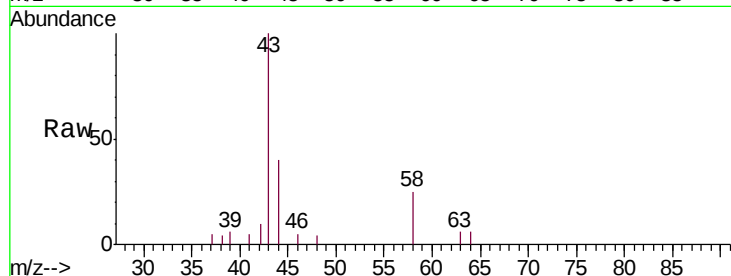
ClientSampleId :

Tgt Ion: 43 Resp: 5162

Ion Ratio Lower Upper

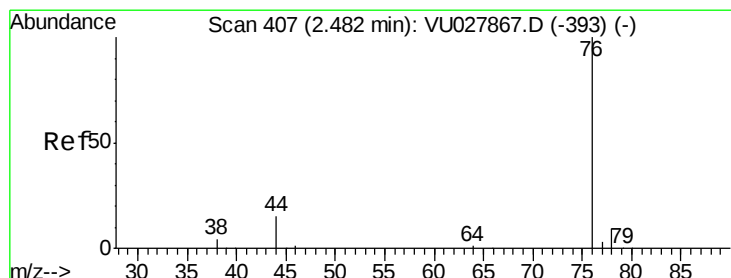
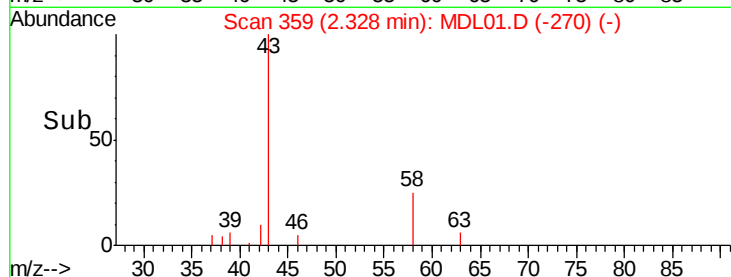
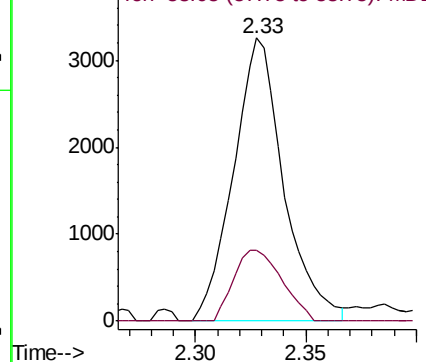
43 100

58 23.9 0.0 61.4



Abundance Ion 43.05 (42.75 to 43.75): MDL

Ion 58.05 (57.75 to 58.75): MDL



#14

Carbon disulfide

Concen: 0.331 ug/L

RT: 2.49 min Scan# 408

Delta R.T. 0.00 min

Lab File: MDL01.D

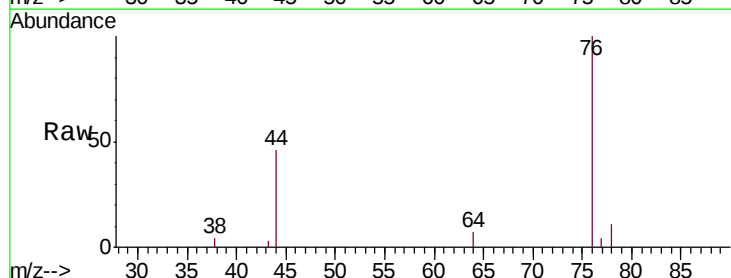
Acq: 30 Oct 2018 17:52

Tgt Ion: 76 Resp: 5922

Ion Ratio Lower Upper

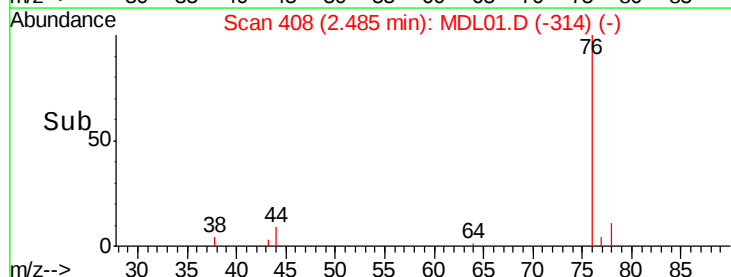
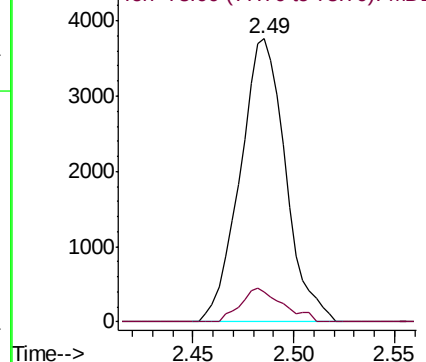
76 100

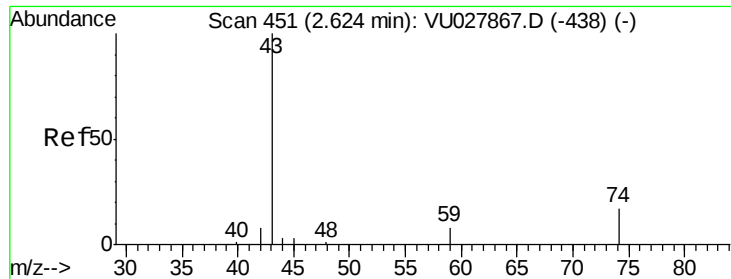
78 10.8 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): MDL

Ion 78.00 (77.70 to 78.70): MDL





#15

Methyl Acetate

Concen: 0.512 ug/L

RT: 2.62 min Scan# 450

Delta R.T. -0.00 min

Lab File: MDL01.D

Acq: 30 Oct 2018 17:52

Instrument :

MSVOA_U

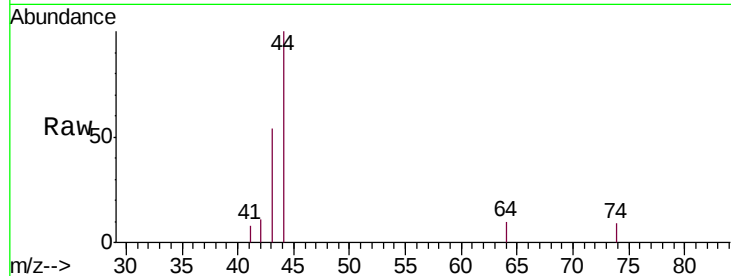
ClientSampleId :

Tgt Ion: 43 Resp: 1625

Ion Ratio Lower Upper

43 100

74 4.1 14.9 22.3#



Abundance Ion 43.05 (42.75 to 43.75): MDL

Ion 74.05 (73.75 to 74.75): MDL

2.62

800

600

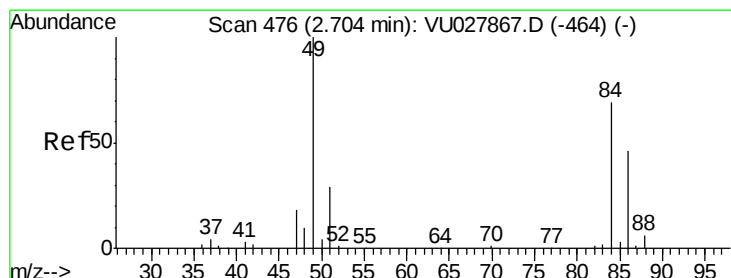
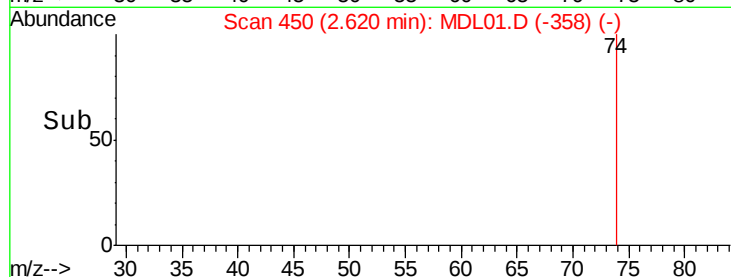
400

200

0

Time-->

2.55 2.60 2.65



#16

Methylene chloride

Concen: 0.424 ug/L

RT: 2.71 min Scan# 477

Delta R.T. 0.00 min

Lab File: MDL01.D

Acq: 30 Oct 2018 17:52

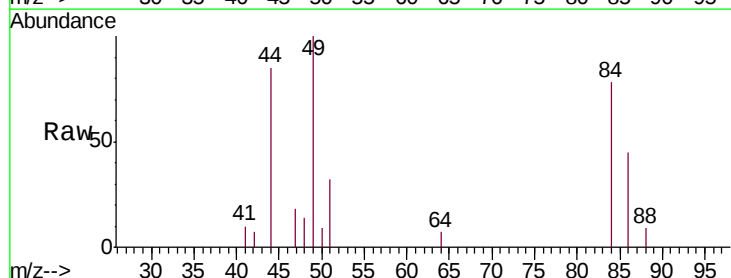
Tgt Ion: 84 Resp: 2391

Ion Ratio Lower Upper

84 100

86 58.1 46.7 86.7

49 128.5 101.3 188.1



Abundance Ion 84.05 (83.75 to 84.75): MDL

Ion 86.00 (85.70 to 86.70): MDL

Ion 49.10 (48.80 to 49.80): MDL

2500

2000

1500

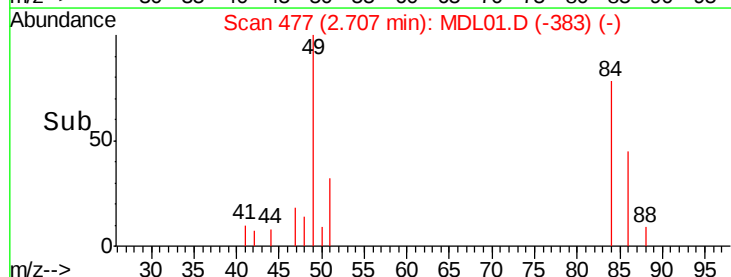
1000

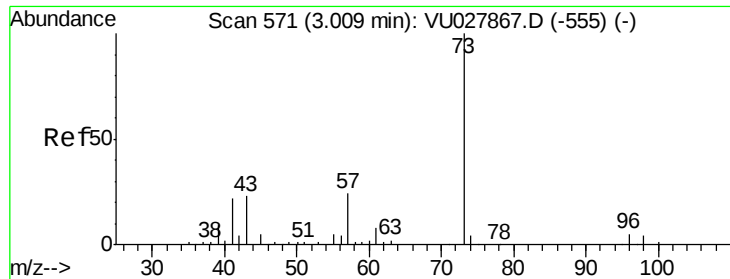
500

0

Time-->

2.65 2.70 2.75



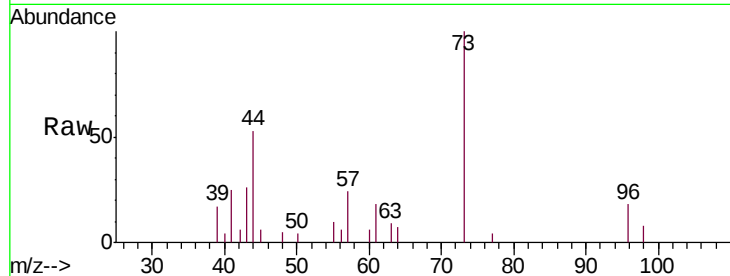


#17

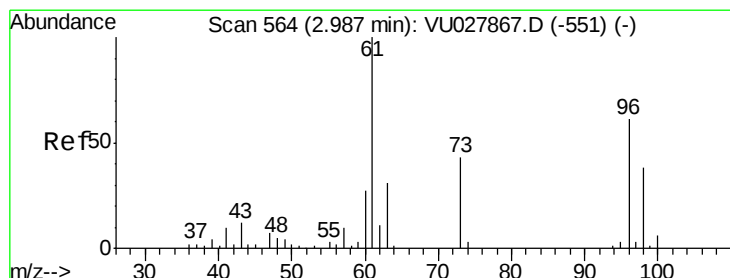
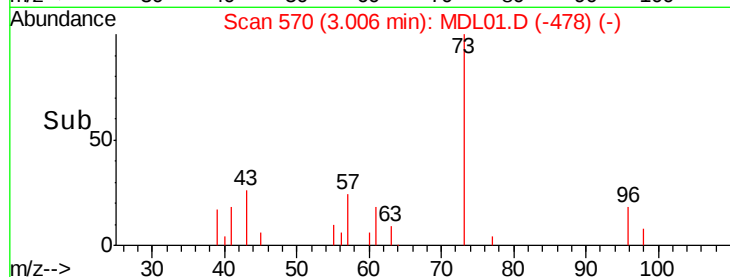
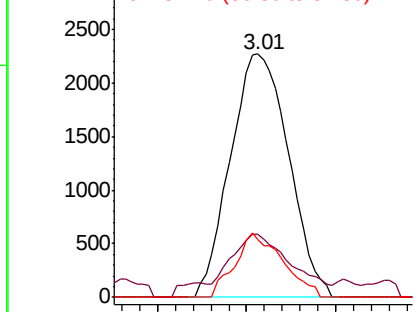
Methyl tert-butyl Ether
 Concen: 0.345 ug/L
 RT: 3.01 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: MDL01.D
 Acq: 30 Oct 2018 17:52

Instrument :
 MSVOA_U
 ClientSampled :

Tgt Ion: 73 Resp: 5164
 Ion Ratio Lower Upper
 73 100
 43 27.7 18.7 28.1
 57 21.8 18.7 28.1



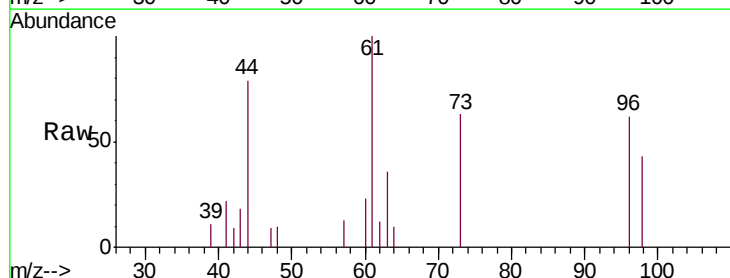
Abundance Ion 73.10 (72.80 to 73.80): MDL
 Ion 43.05 (42.75 to 43.75): MDL
 Ion 57.10 (56.80 to 57.80): MDL



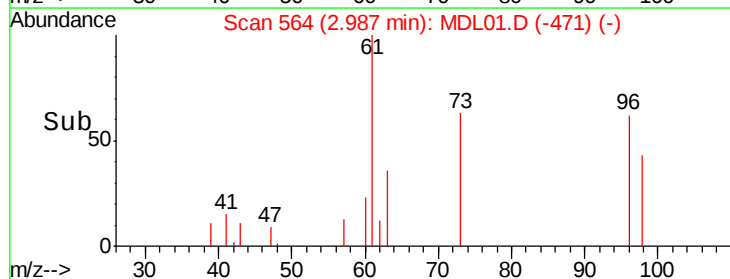
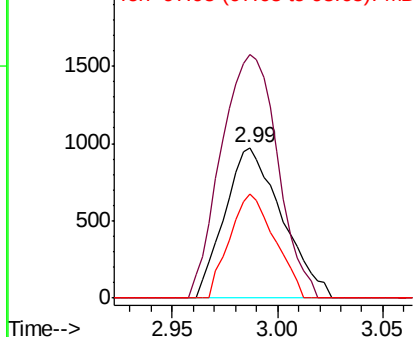
#18

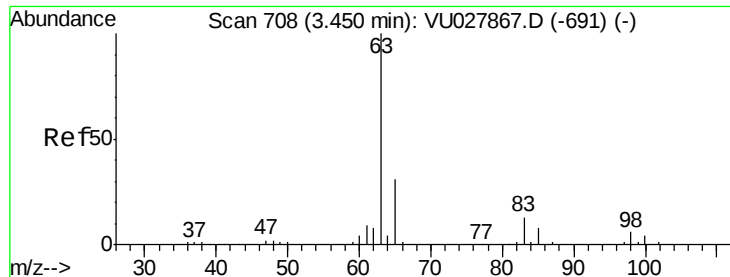
trans-1,2-Dichloroethene
 Concen: 0.343 ug/L
 RT: 2.99 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: MDL01.D
 Acq: 30 Oct 2018 17:52

Tgt Ion: 96 Resp: 1828
 Ion Ratio Lower Upper
 96 100
 61 161.4 115.2 214.0
 98 69.3 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): MDL
 Ion 61.05 (60.75 to 61.75): MDL
 Ion 97.95 (97.65 to 98.65): MDL





#19

1,1-Dichloroethane

Concen: 0.342 ug/L

RT: 3.45 min Scan# 709

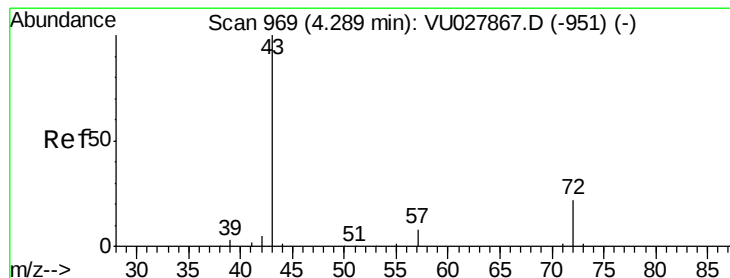
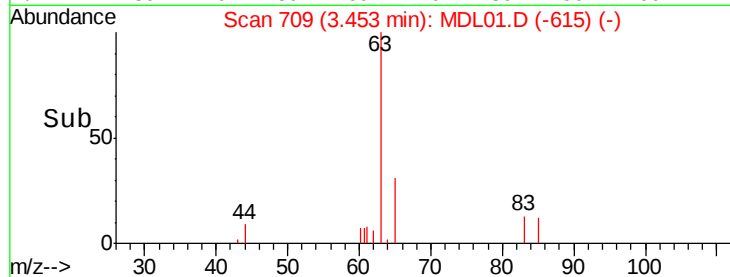
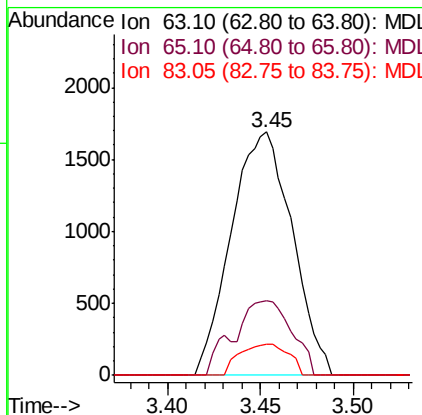
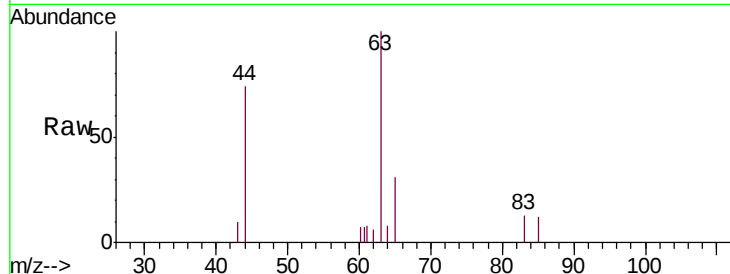
Delta R.T. 0.00 min

Lab File: MDL01.D

Acq: 30 Oct 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:	63	Resp:	3854
Ion	Ratio	Lower	Upper
63	100		
65	30.6	21.8	40.4
83	12.6	9.4	17.4



#21

2-Butanone

Concen: 3.623 ug/L

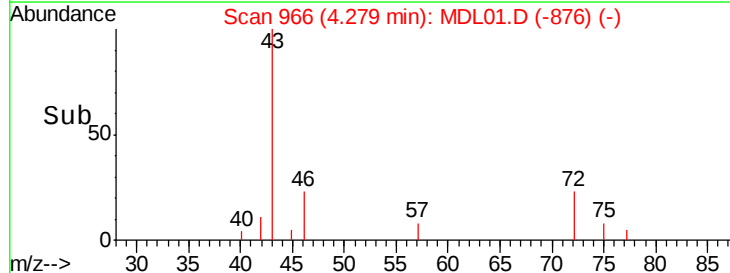
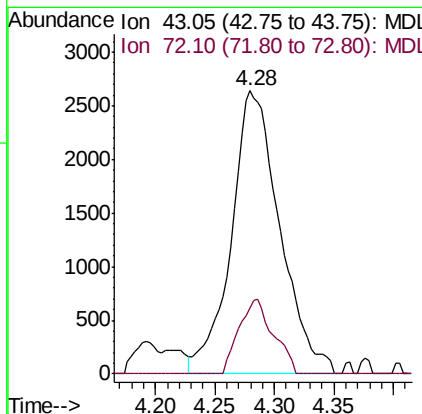
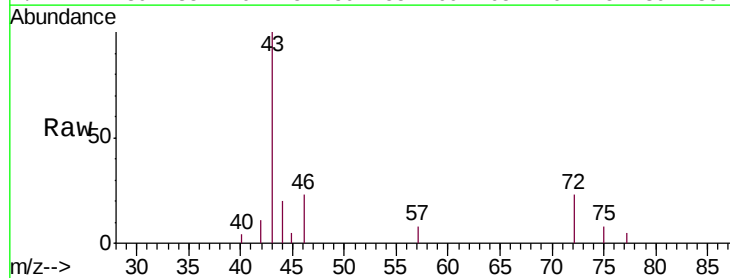
RT: 4.28 min Scan# 966

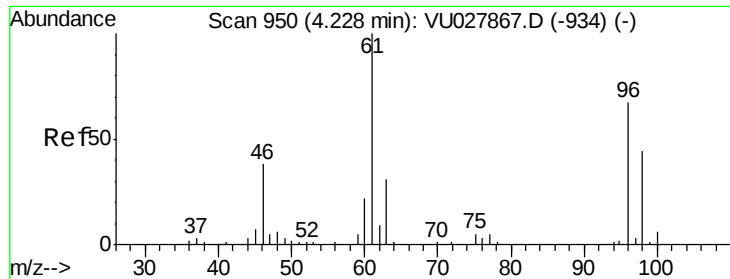
Delta R.T. -0.01 min

Lab File: MDL01.D

Acq: 30 Oct 2018 17:52

Tgt Ion:	43	Resp:	7473
Ion	Ratio	Lower	Upper
43	100		
72	18.6	10.9	32.9



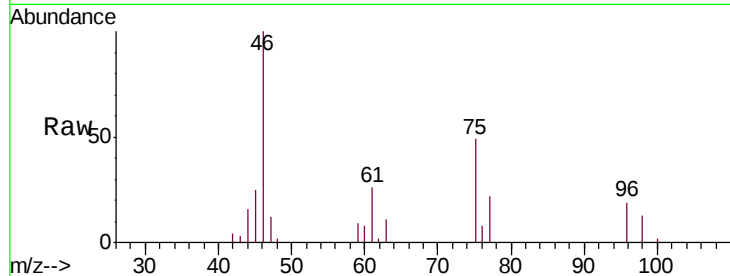


#22

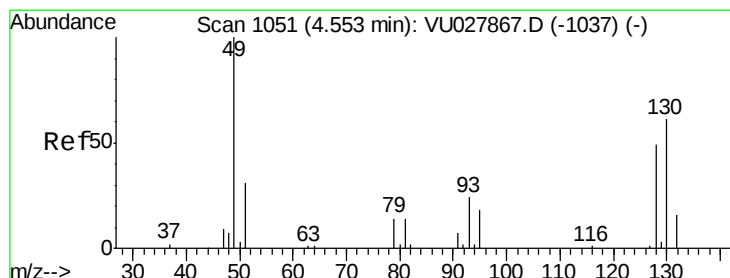
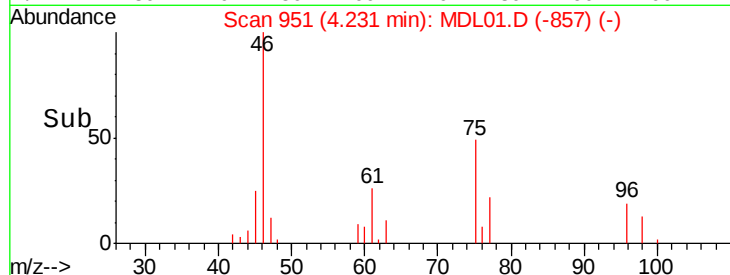
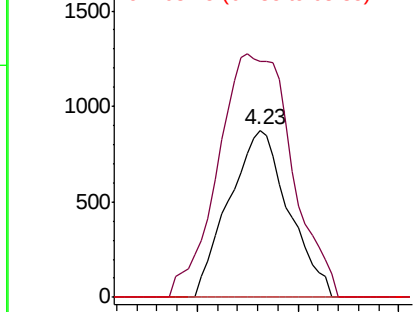
cis-1,2-Dichloroethene
 Concen: 0.293 ug/L
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: MDL01.D
 Acq: 30 Oct 2018 17:52

Instrument :
 MSVOA_U
 ClientSampled :

Tgt Ion: 96 Resp: 1803
 Ion Ratio Lower Upper
 96 100
 61 141.5 104.0 193.2
 68 0.0 0.0 0.0



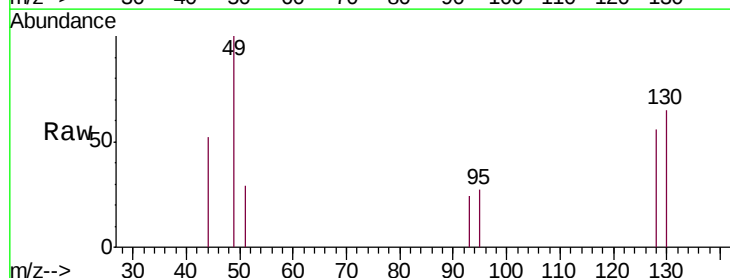
Abundance Ion 96.00 (95.70 to 96.70): MDL
 Ion 61.05 (60.75 to 61.75): MDL
 Ion 68.15 (67.85 to 68.85): MDL



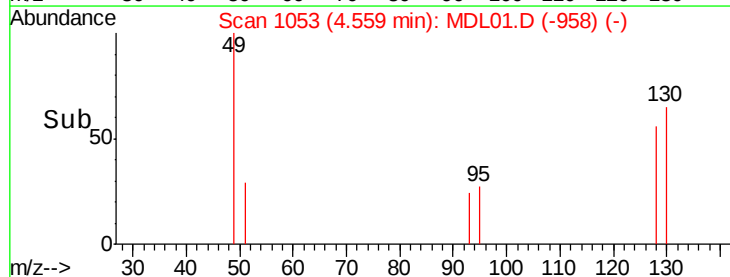
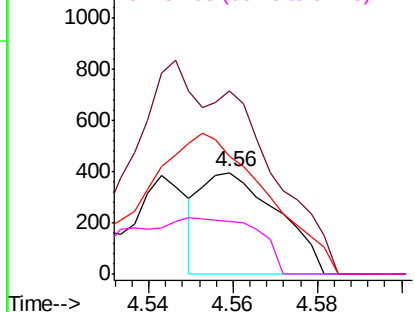
#23

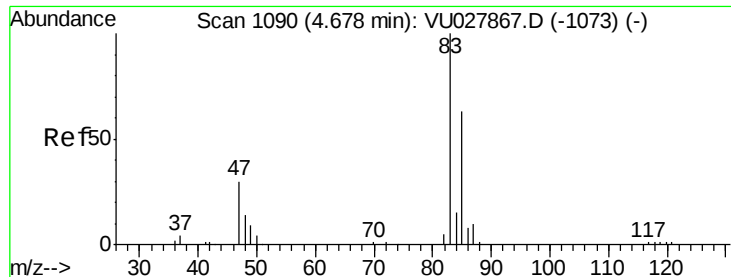
Bromochloromethane
 Concen: 0.195 ug/L
 RT: 4.56 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: MDL01.D
 Acq: 30 Oct 2018 17:52

Tgt Ion: 128 Resp: 497
 Ion Ratio Lower Upper
 128 100
 49 179.8 142.0 263.8
 130 116.6 86.1 159.9
 51 51.9 50.4 75.6



Abundance Ion 127.90 (127.60 to 128.60): MDL
 Ion 49.10 (48.80 to 49.80): MDL
 Ion 129.95 (129.65 to 130.65): MDL
 Ion 51.05 (50.75 to 51.75): MDL

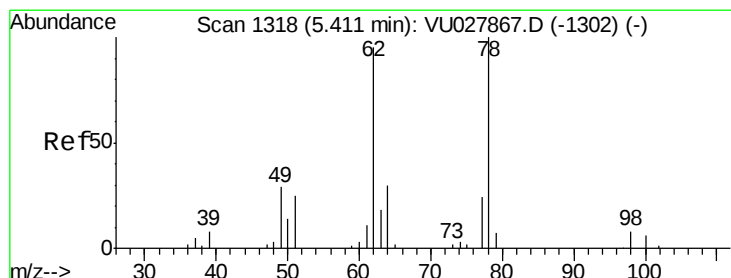
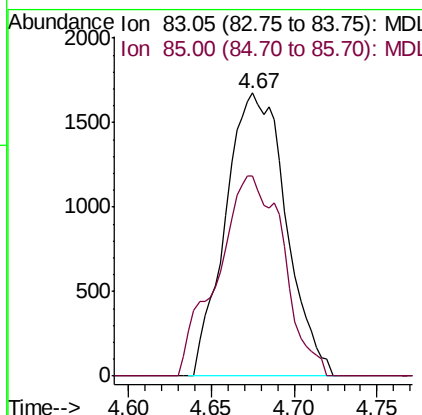
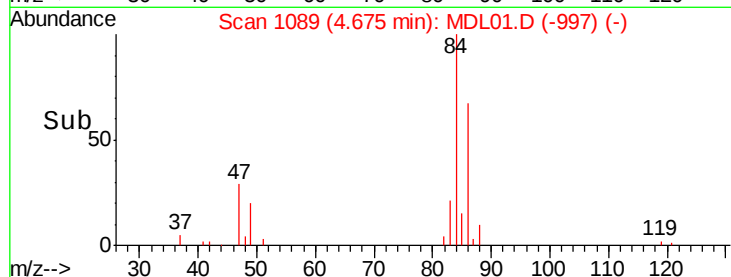
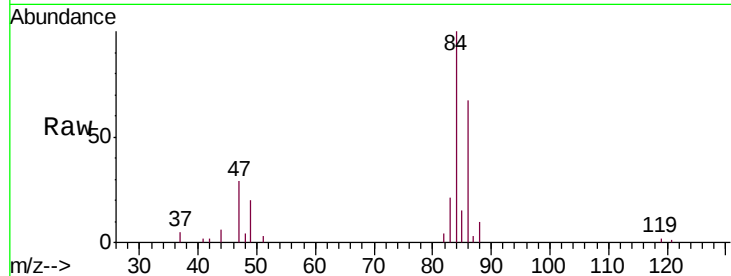




#25
Chloroform
Concen: 0.373 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: MDL01.D
Acq: 30 Oct 2018 17:52

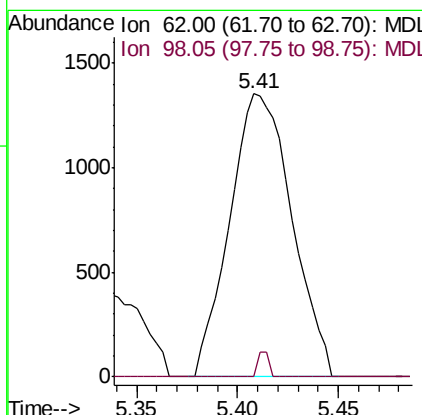
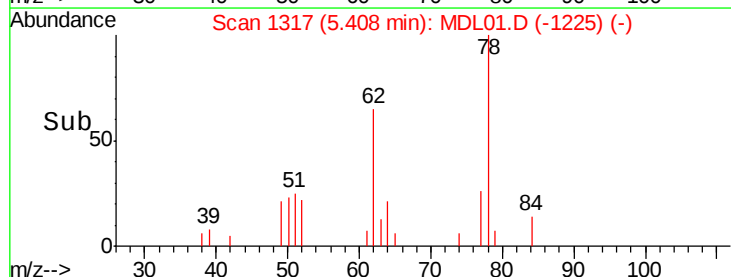
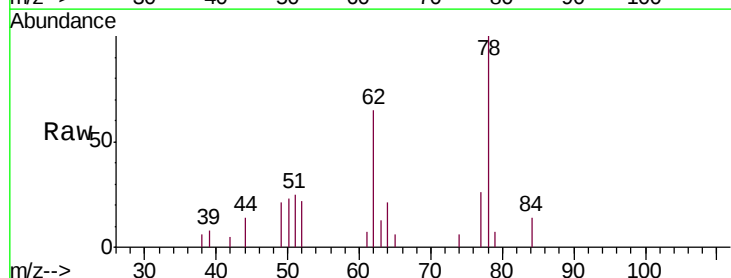
Instrument :
MSVOA_U
ClientSampleId :

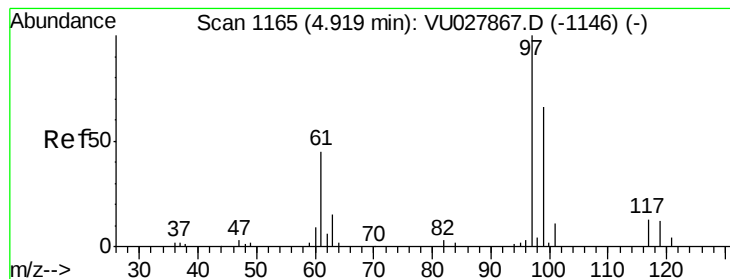
Tgt Ion: 83 Resp: 4255
Ion Ratio Lower Upper
83 100
85 70.7 44.0 81.8



#27
1,2-Dichloroethane
Concen: 0.365 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. -0.00 min
Lab File: MDL01.D
Acq: 30 Oct 2018 17:52

Tgt Ion: 62 Resp: 2905
Ion Ratio Lower Upper
62 100
98 0.0 6.3 9.5#





#29

1,1,1-Trichloroethane

Concen: 0.328 ug/L

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: MDL01.D

Acq: 30 Oct 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

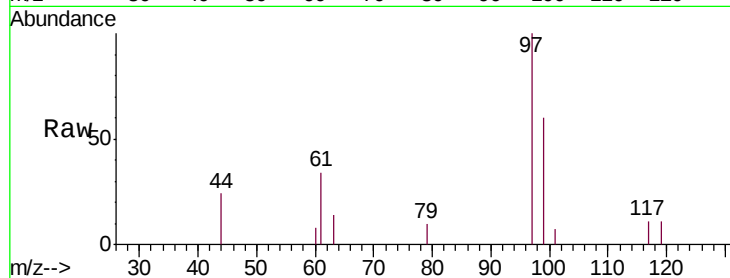
Tgt Ion: 97 Resp: 3335

Ion Ratio Lower Upper

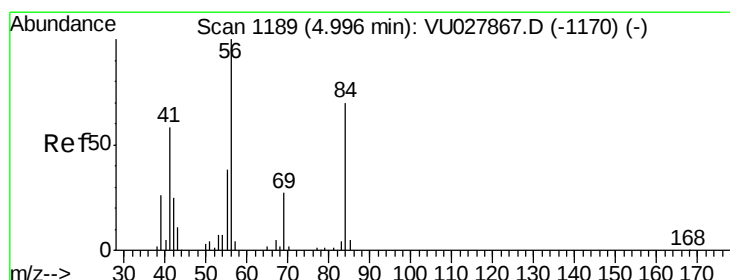
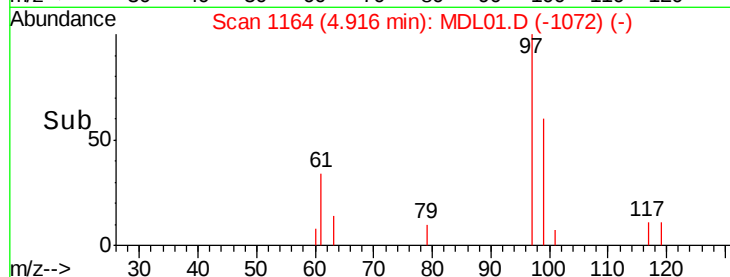
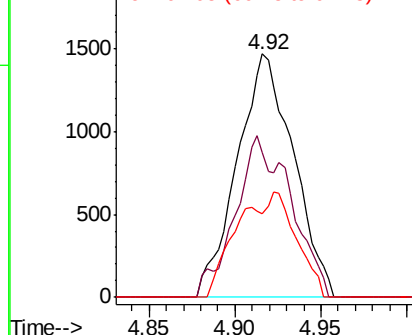
97 100

99 42.7 50.6 76.0#

61 22.6 35.8 53.6#



Abundance Ion 96.95 (96.65 to 97.65): MDL
Ion 99.05 (98.75 to 99.75): MDL
Ion 61.05 (60.75 to 61.75): MDL



#30

Cyclohexane

Concen: 0.306 ug/L

RT: 4.99 min Scan# 1188

Delta R.T. -0.00 min

Lab File: MDL01.D

Acq: 30 Oct 2018 17:52

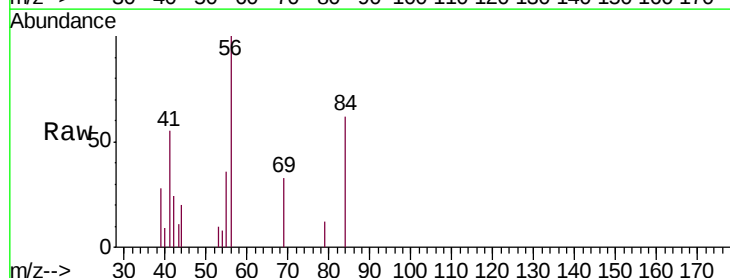
Tgt Ion: 56 Resp: 3657

Ion Ratio Lower Upper

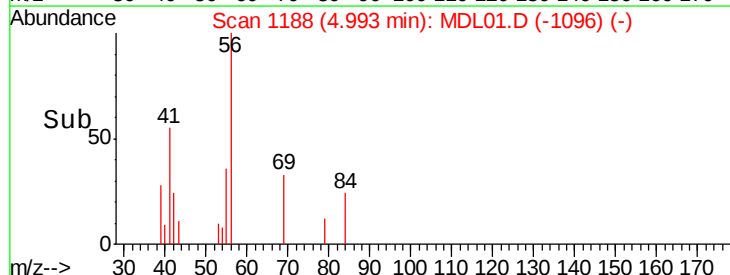
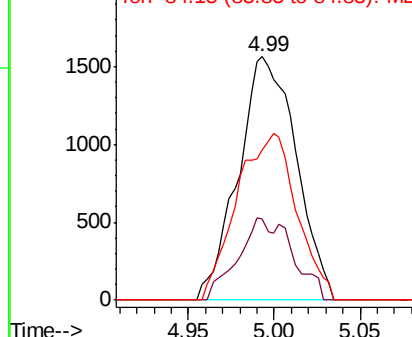
56 100

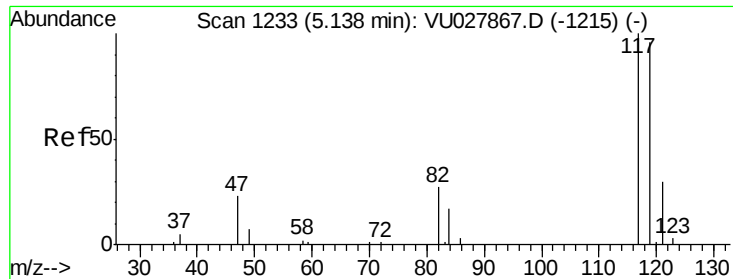
69 20.2 22.7 34.1#

84 70.9 58.1 87.1



Abundance Ion 56.10 (55.80 to 56.80): MDL
Ion 69.15 (68.85 to 69.85): MDL
Ion 84.15 (83.85 to 84.85): MDL

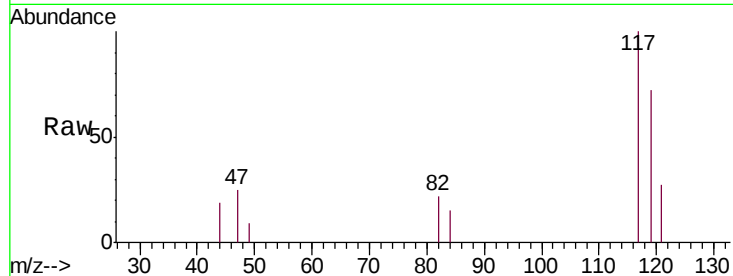




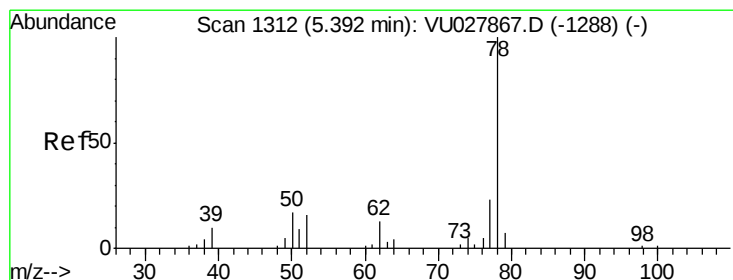
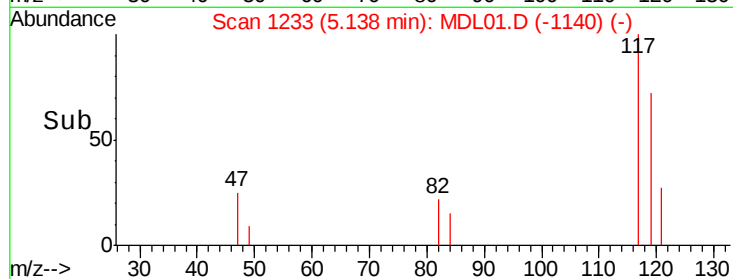
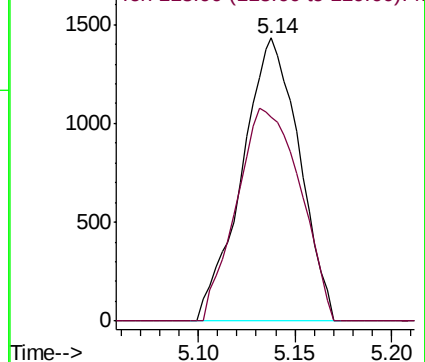
#31
Carbon tetrachloride
Concen: 0.339 ug/L
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: MDL01.D
Acq: 30 Oct 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 117 Resp: 2953
Ion Ratio Lower Upper
117 100
119 83.2 77.1 115.7

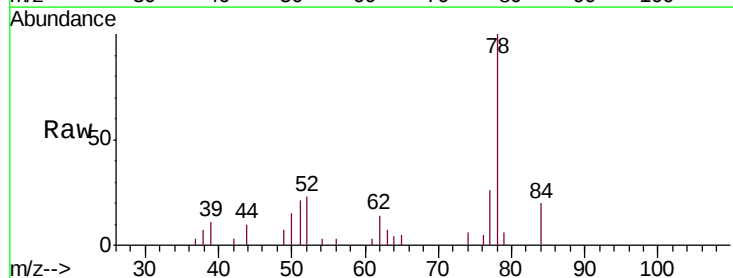


Abundance Ion 116.90 (116.60 to 117.60): M
Ion 118.90 (118.60 to 119.60): M

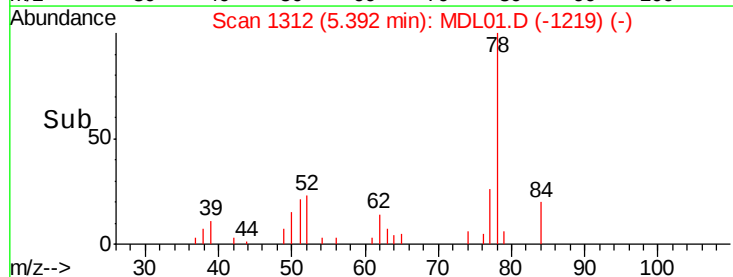
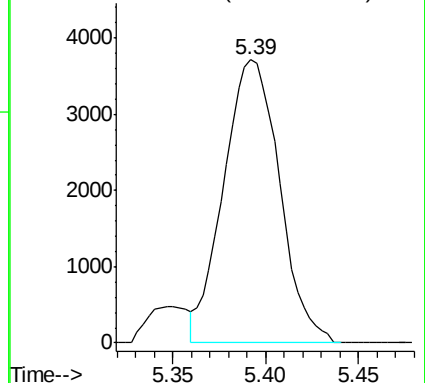


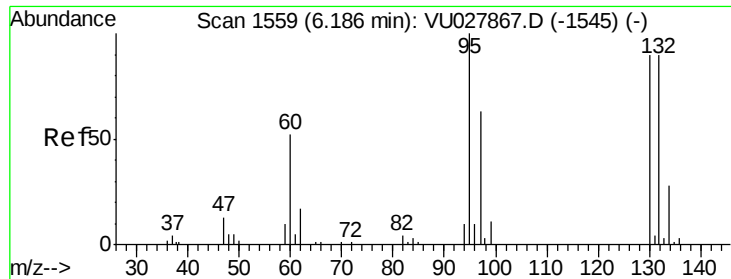
#33
Benzene
Concen: 0.313 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: MDL01.D
Acq: 30 Oct 2018 17:52

Tgt Ion: 78 Resp: 7794



Abundance Ion 78.10 (77.80 to 78.80): MDL

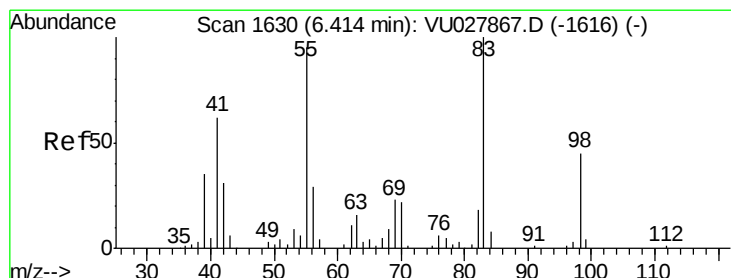
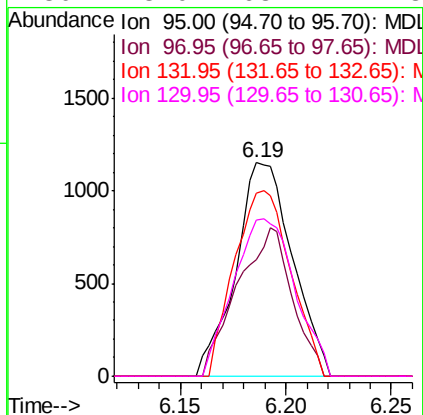
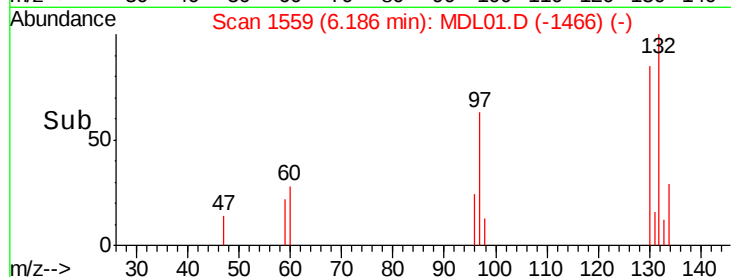
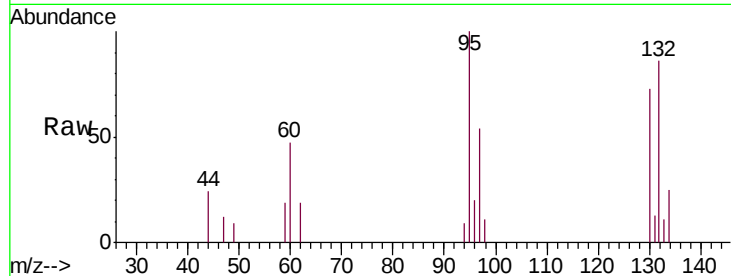




#34
 Trichloroethene
 Concen: 0.331 ug/L
 RT: 6.19 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: MDL01.D
 Acq: 30 Oct 2018 17:52

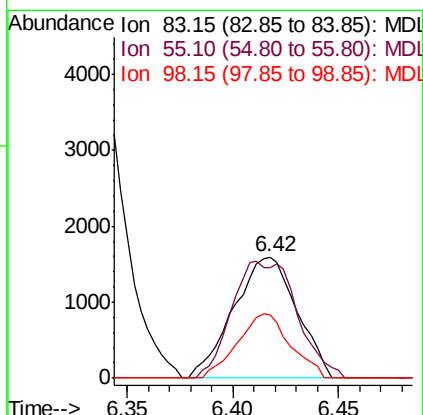
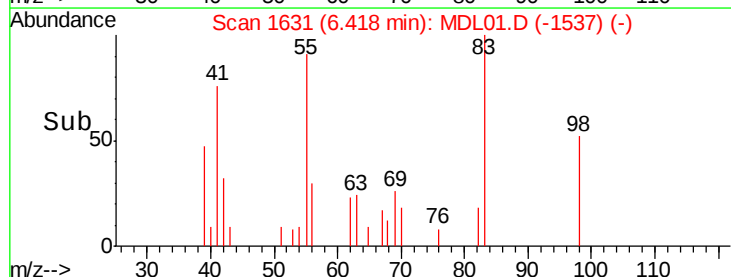
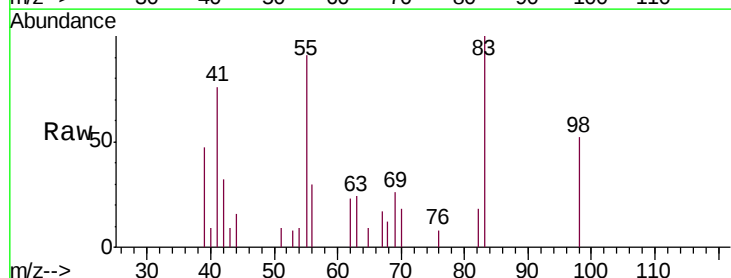
Instrument :
 MSVOA_U
 ClientSampleId :

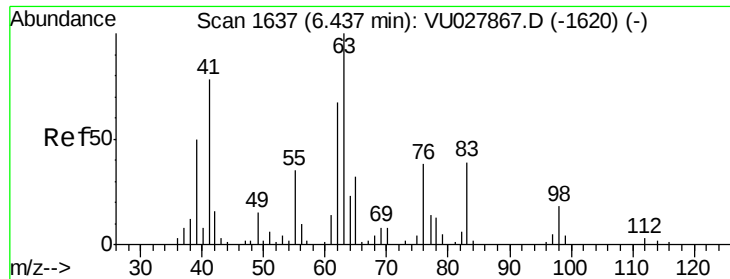
Tgt Ion: 95 Resp: 2150
 Ion Ratio Lower Upper
 95 100
 97 54.3 44.0 81.6
 132 85.6 63.3 117.5
 130 73.0 63.1 117.3



#35
 Methylcyclohexane
 Concen: 0.301 ug/L
 RT: 6.42 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: MDL01.D
 Acq: 30 Oct 2018 17:52

Tgt Ion: 83 Resp: 3324
 Ion Ratio Lower Upper
 83 100
 55 99.2 73.4 110.0
 98 44.3 35.3 52.9

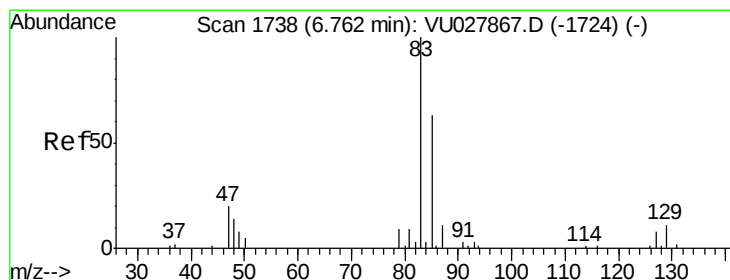
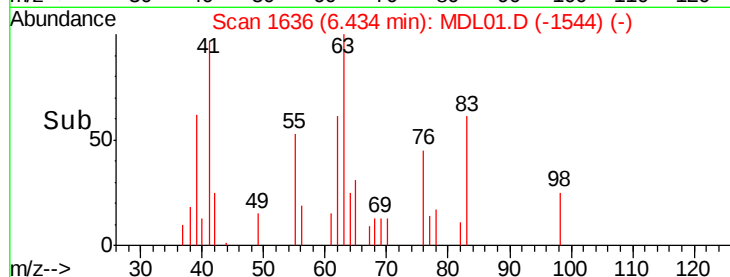
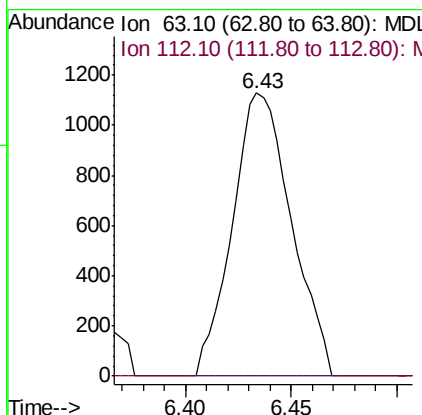
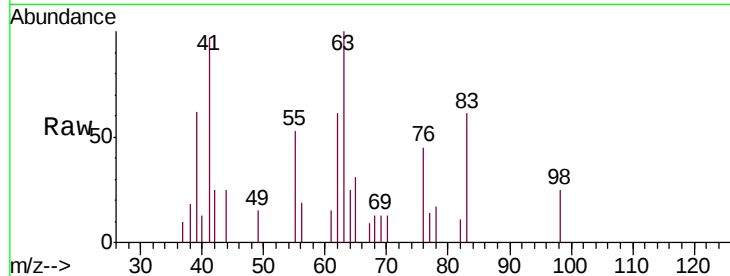




#37
 1,2-Dichloropropane
 Concen: 0.309 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: MDL01.D
 Acq: 30 Oct 2018 17:52

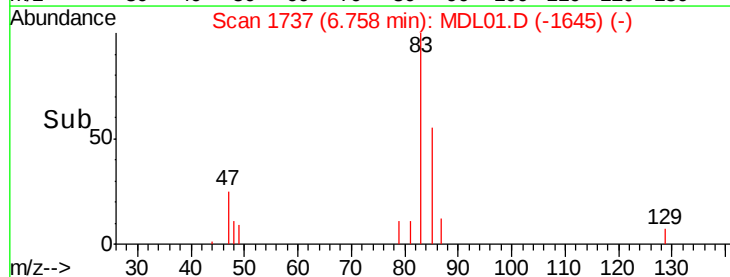
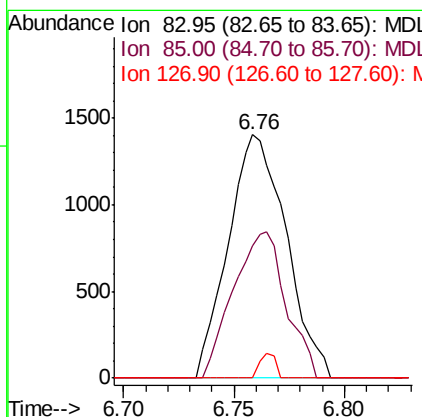
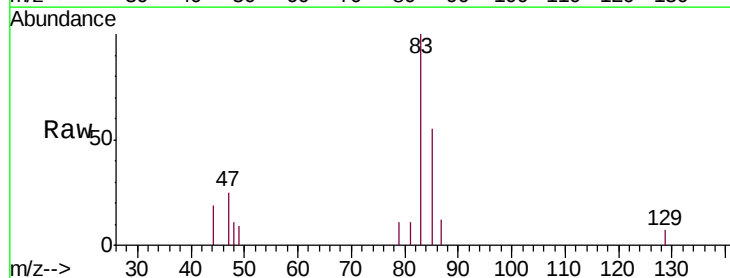
Instrument :
 MSVOA_U
 ClientSampled :

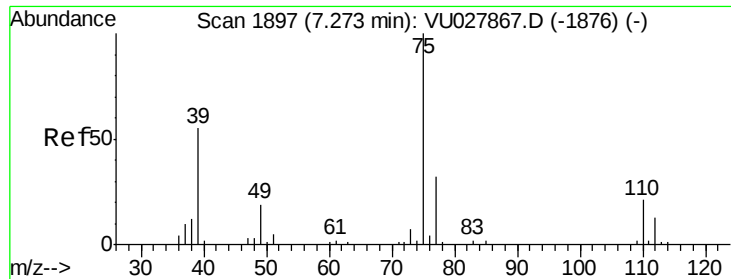
Tgt Ion: 63 Resp: 2194
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 3.8#



#38
 Bromodichloromethane
 Concen: 0.307 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: MDL01.D
 Acq: 30 Oct 2018 17:52

Tgt Ion: 83 Resp: 2548
 Ion Ratio Lower Upper
 83 100
 85 54.6 43.8 81.4
 127 0.0 6.4 9.6#

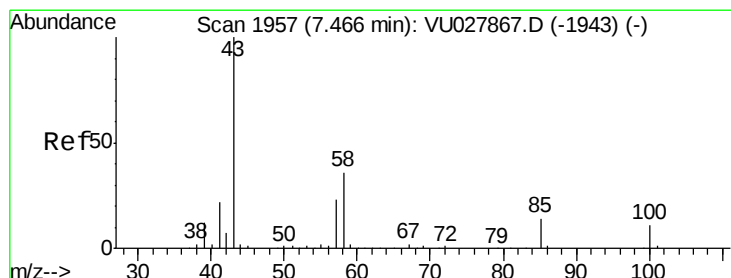
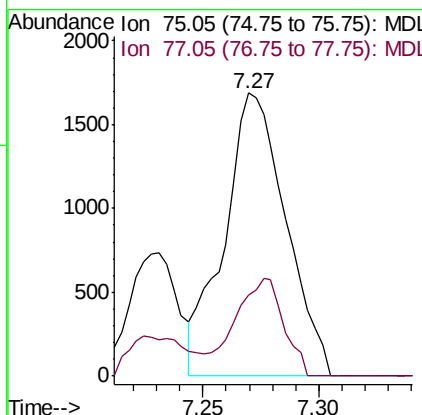
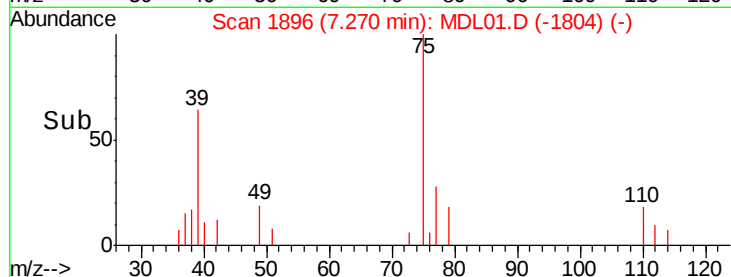
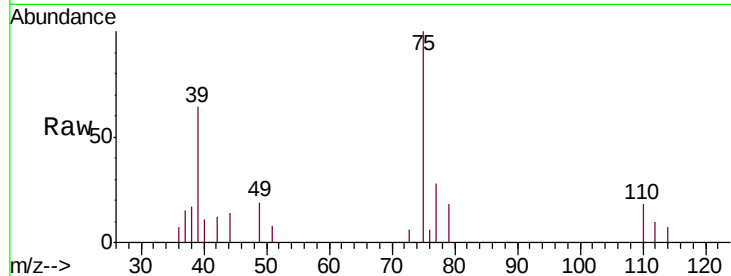




#39
 cis-1,3-Dichloropropene
 Concen: 0.305 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: MDL01.D
 Acq: 30 Oct 2018 17:52

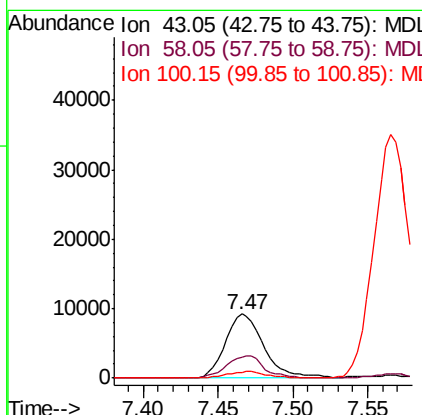
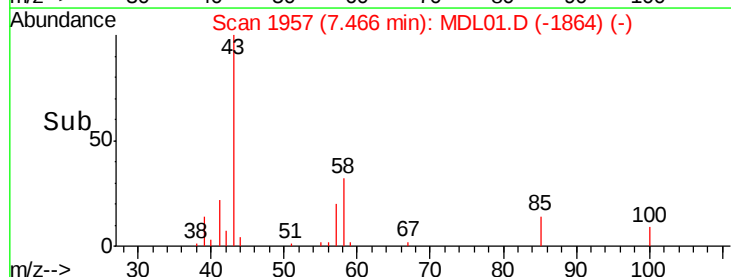
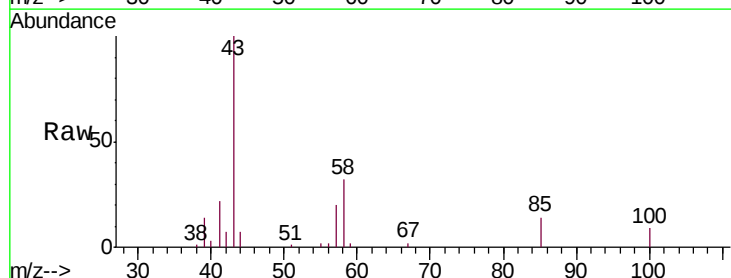
Instrument :
 MSVOA_U
 ClientSampleId :

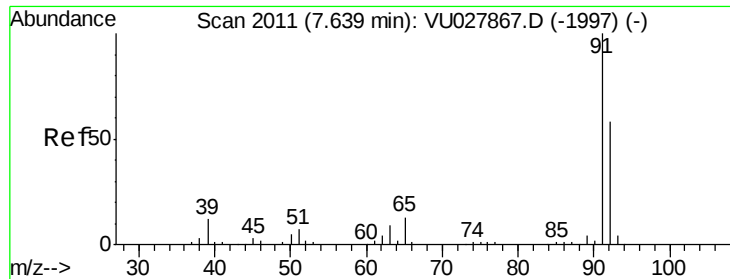
Tgt Ion: 75 Resp: 3108
 Ion Ratio Lower Upper
 75 100
 77 28.4 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 3.304 ug/L
 RT: 7.47 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: MDL01.D
 Acq: 30 Oct 2018 17:52

Tgt Ion: 43 Resp: 16572
 Ion Ratio Lower Upper
 43 100
 58 33.8 28.5 42.7
 100 0.0 8.8 13.2#





#42

Toluene

Concen: 0.322 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: MDL01.D

Acq: 30 Oct 2018 17:52

Instrument :

MSVOA_U

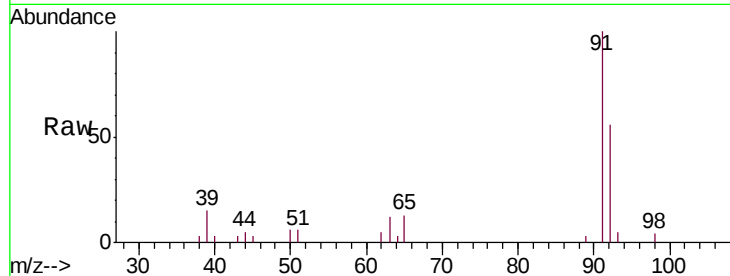
ClientSampleId :

Tgt Ion: 91 Resp: 8395

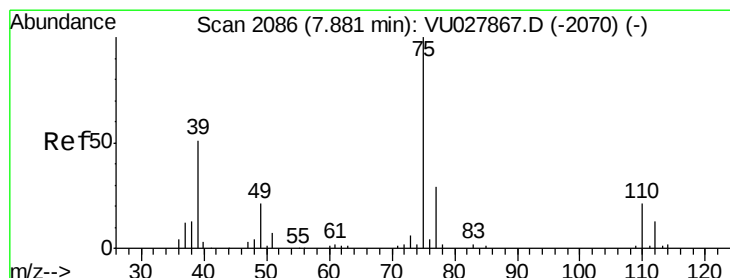
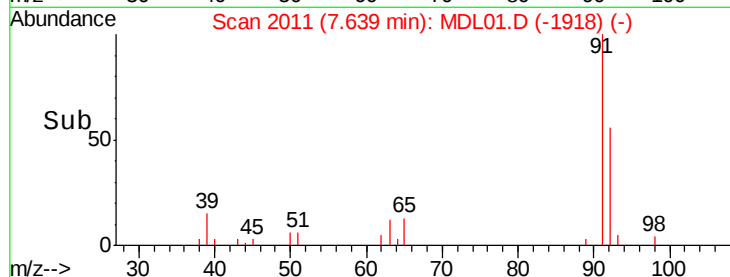
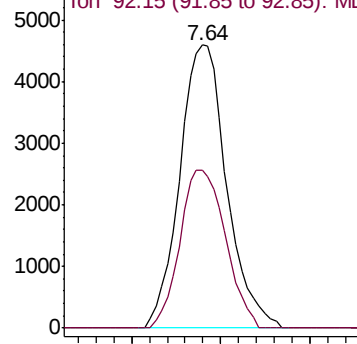
Ion Ratio Lower Upper

91 100

92 55.9 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): MDL
Ion 92.15 (91.85 to 92.85): MDL



#44

trans-1,3-Dichloropropene

Concen: 0.374 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: MDL01.D

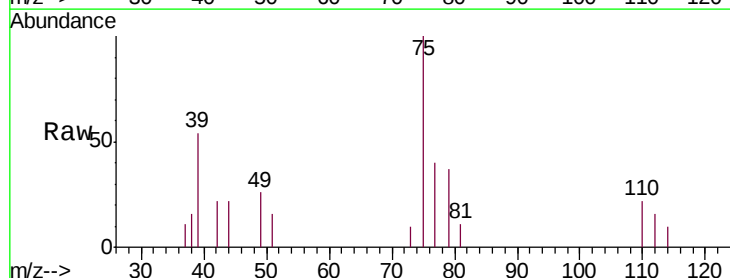
Acq: 30 Oct 2018 17:52

Tgt Ion: 75 Resp: 3264

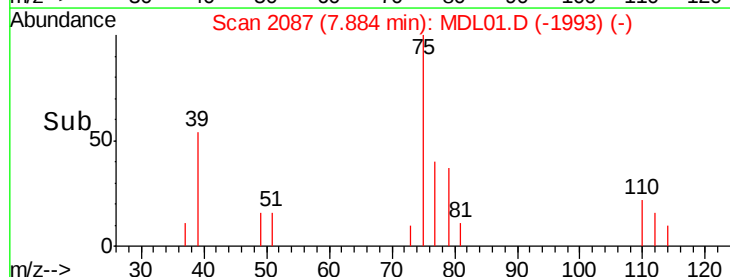
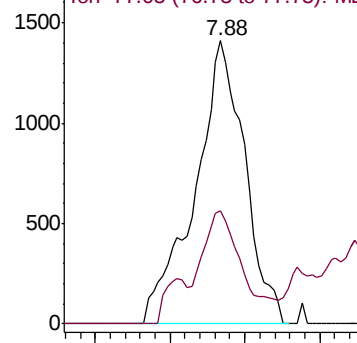
Ion Ratio Lower Upper

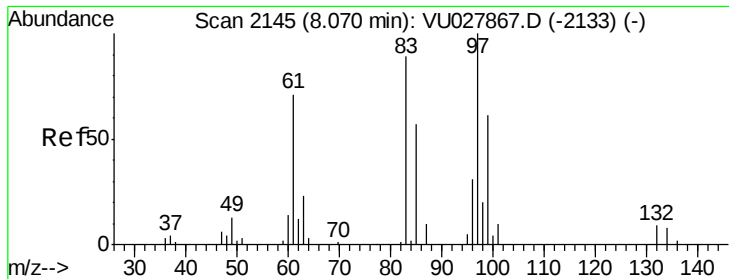
75 100

77 40.0 20.5 38.1#



Abundance Ion 75.05 (74.75 to 75.75): MDL
Ion 77.05 (76.75 to 77.75): MDL





#45

1,1,2-Trichloroethane

Concen: 0.332 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: MDL01.D

Acq: 30 Oct 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 1450

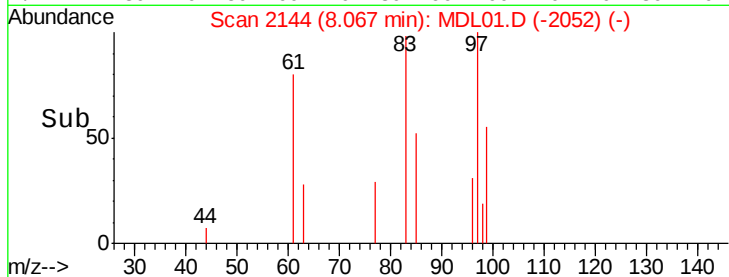
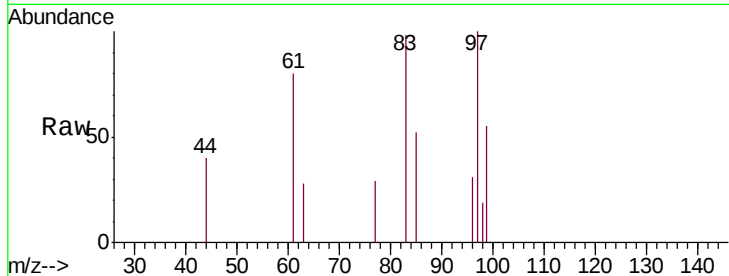
Ion Ratio Lower Upper

97 100

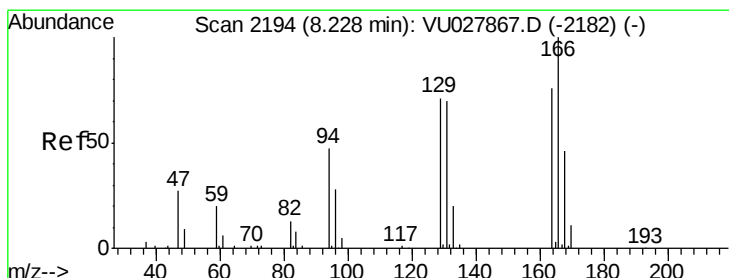
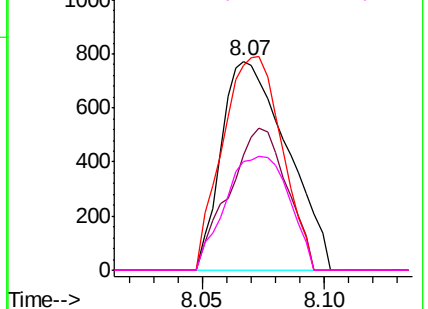
99 55.4 42.9 79.7

83 98.2 62.2 115.6

85 51.8 40.2 74.6



Abundance Ion 96.95 (96.65 to 97.65): MDL
Ion 99.05 (98.75 to 99.75): MDL
Ion 82.95 (82.65 to 83.65): MDL
Ion 85.00 (84.70 to 85.70): MDL



#47

Tetrachloroethene

Concen: 0.326 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: MDL01.D

Acq: 30 Oct 2018 17:52

Tgt Ion: 164 Resp: 1624

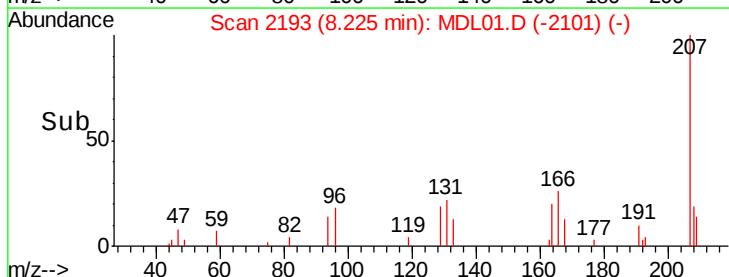
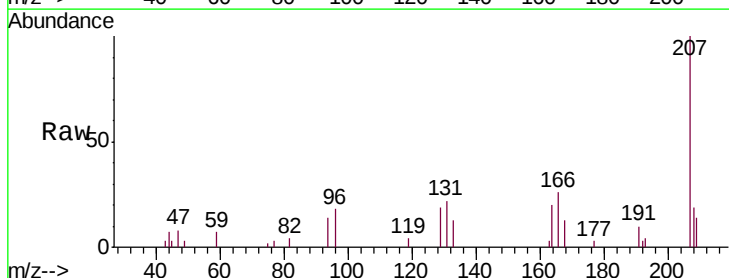
Ion Ratio Lower Upper

164 100

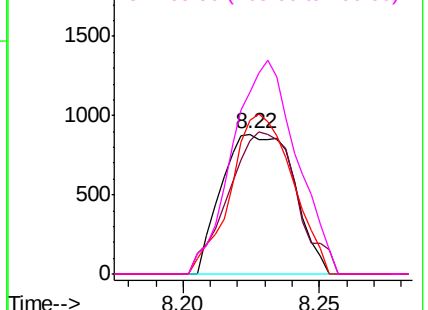
129 95.6 64.9 120.5

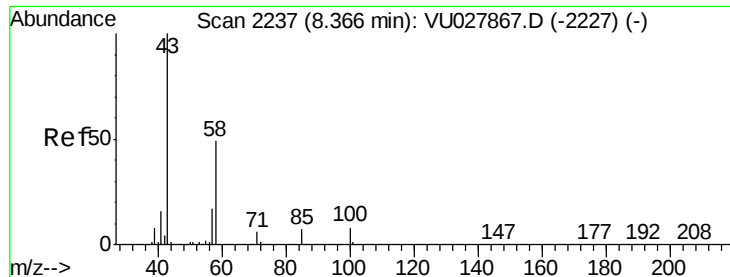
131 109.9 64.3 119.5

166 130.1 91.8 170.4



Abundance Ion 163.90 (163.60 to 164.60): N
Ion 128.95 (128.65 to 129.65): N
Ion 130.95 (130.65 to 131.65): N
Ion 165.90 (165.60 to 166.60): N

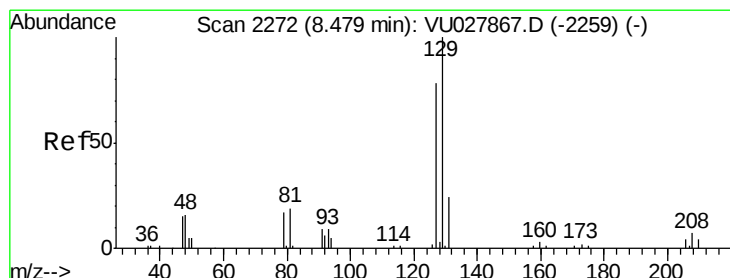
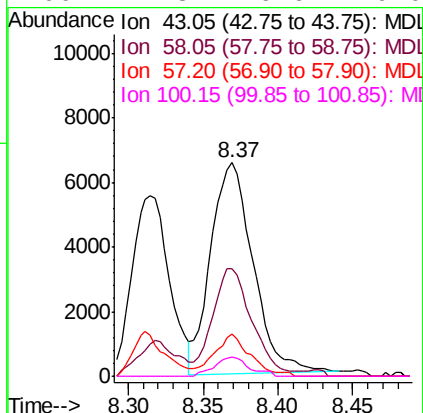
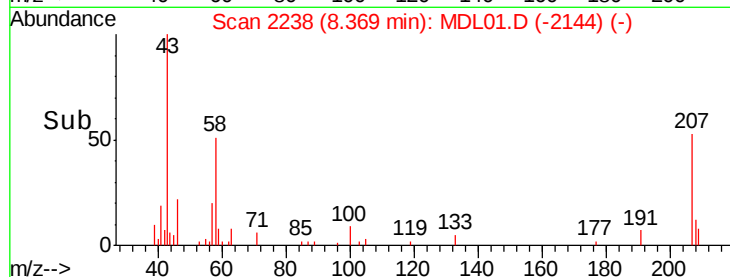
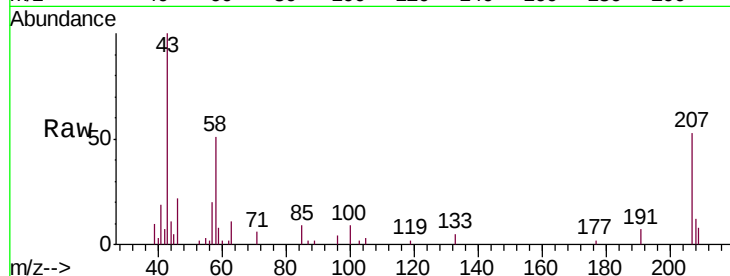




#48
2-Hexanone
Concen: 3.554 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: MDL01.D
Acq: 30 Oct 2018 17:52

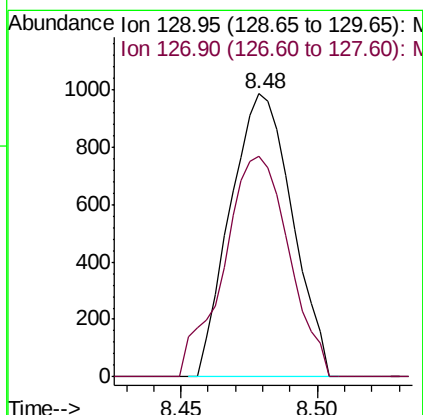
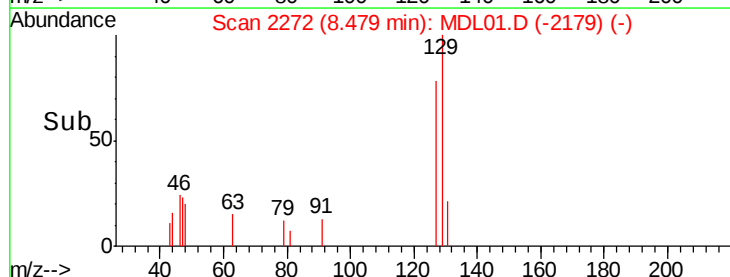
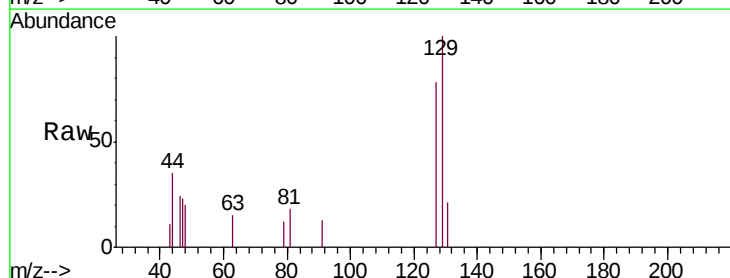
Instrument :
MSVOA_U
ClientSampleId :

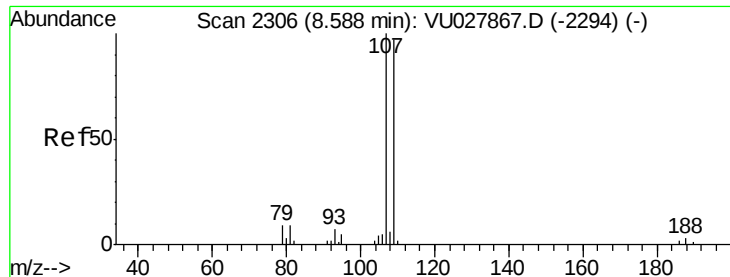
Tgt Ion:	43	Resp:	12850
Ion	Ratio	Lower	Upper
43	100		
58	48.3	38.9	58.3
57	17.2	13.3	19.9
100	7.3	6.6	10.0



#49
Dibromochloromethane
Concen: 0.294 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: MDL01.D
Acq: 30 Oct 2018 17:52

Tgt Ion:	129	Resp:	1553
Ion	Ratio	Lower	Upper
129	100		
127	77.7	54.5	101.1

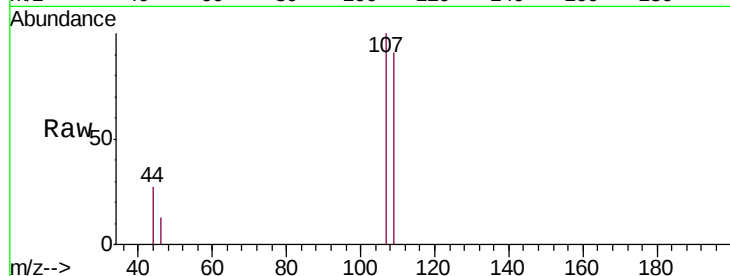




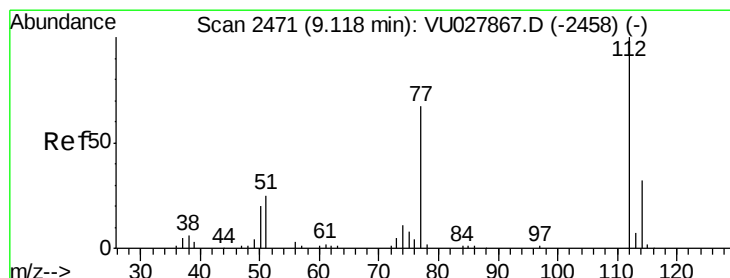
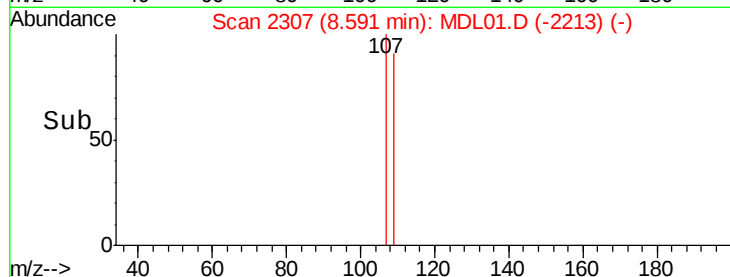
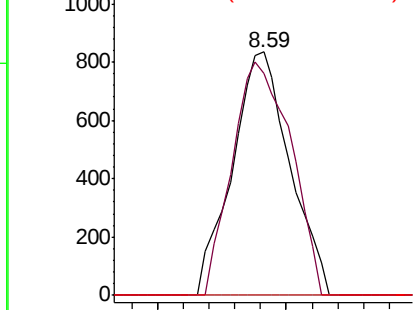
#50
1,2-Dibromoethane
Concen: 0.311 ug/L
RT: 8.59 min Scan# 2307
Delta R.T. 0.00 min
Lab File: MDL01.D
Acq: 30 Oct 2018 17:52

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:107 Resp: 1301
Ion Ratio Lower Upper
107 100
109 91.0 68.0 126.4
188 0.0 2.7 4.1#

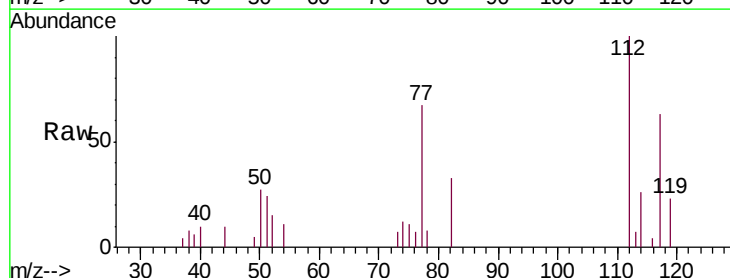


Abundance Ion 106.95 (106.65 to 107.65): N
Ion 109.00 (108.70 to 109.70): N
Ion 187.90 (187.60 to 188.60): N

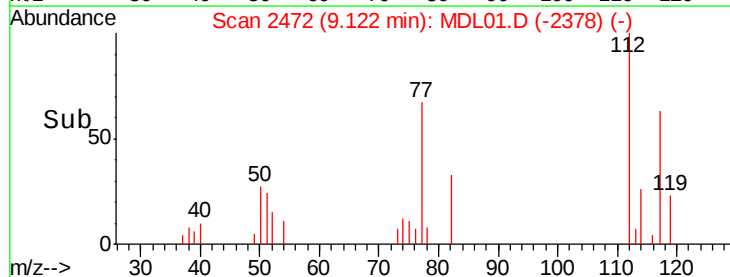
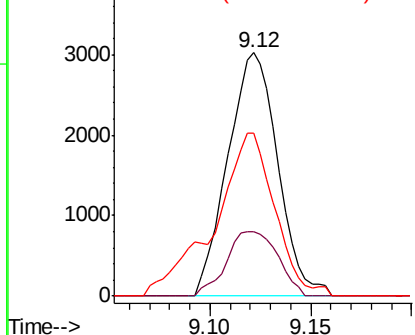


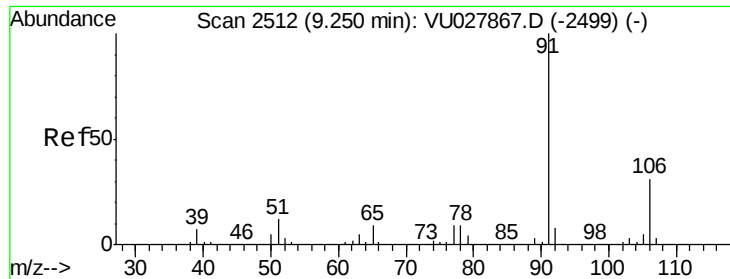
#51
Chlorobenzene
Concen: 0.323 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: MDL01.D
Acq: 30 Oct 2018 17:52

Tgt Ion:112 Resp: 5232
Ion Ratio Lower Upper
112 100
114 26.5 22.0 41.0
77 66.7 54.3 81.5



Abundance Ion 112.10 (111.80 to 112.80): N
Ion 114.05 (113.75 to 114.75): N
Ion 77.10 (76.80 to 77.80): MDL





#52

Ethylbenzene

Concen: 0.323 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: MDL01.D

Acq: 30 Oct 2018 17:52

Instrument :

MSVOA_U

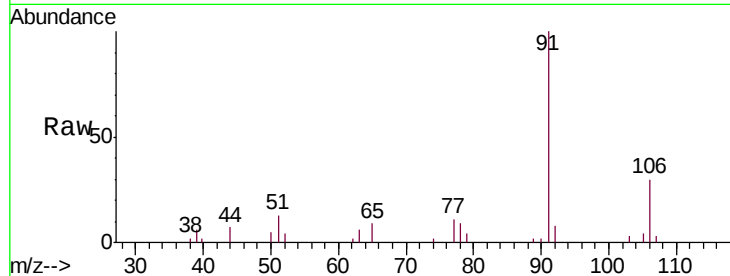
ClientSampleId :

Tgt Ion: 91 Resp: 9611

Ion Ratio Lower Upper

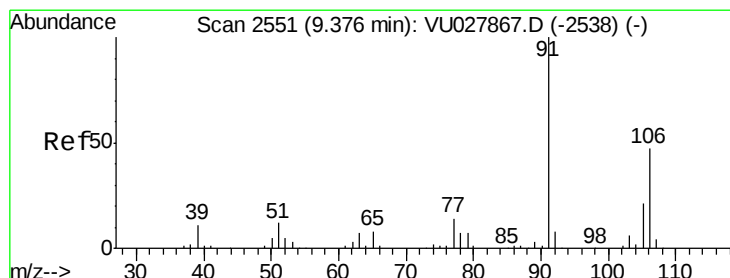
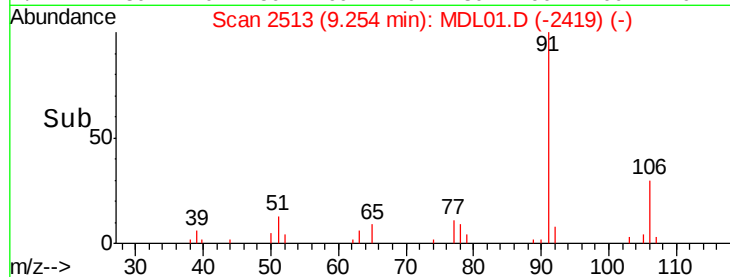
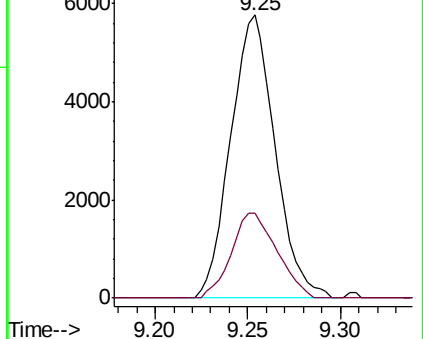
91 100

106 29.9 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): MDL

Ion 106.15 (105.85 to 106.85): MDL



#53

m,p-xylene

Concen: 0.283 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: MDL01.D

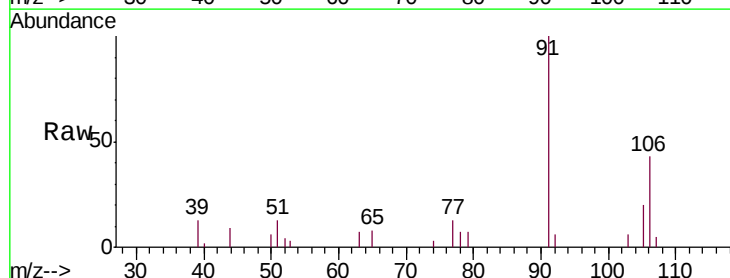
Acq: 30 Oct 2018 17:52

Tgt Ion: 106 Resp: 3046

Ion Ratio Lower Upper

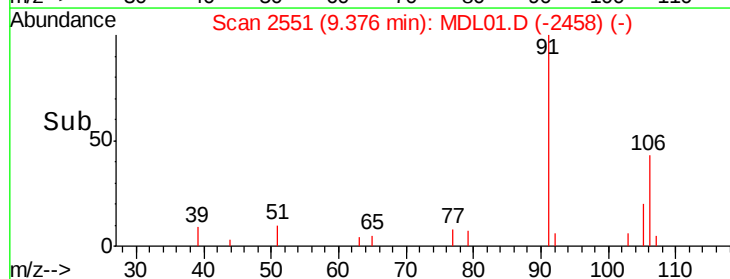
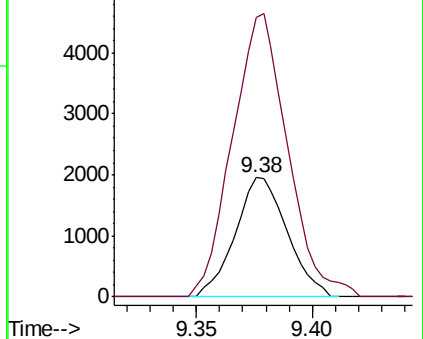
106 100

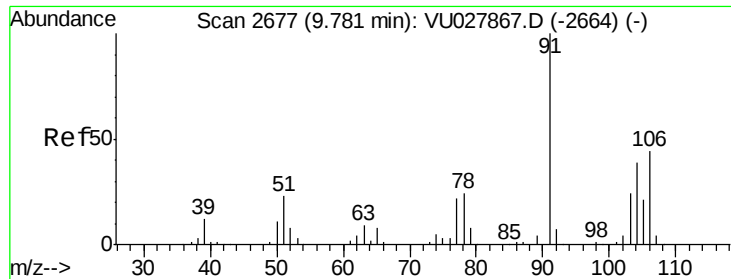
91 235.0 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): MDL

Ion 91.15 (90.85 to 91.85): MDL

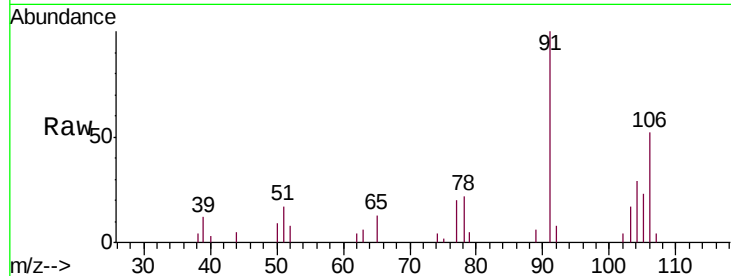




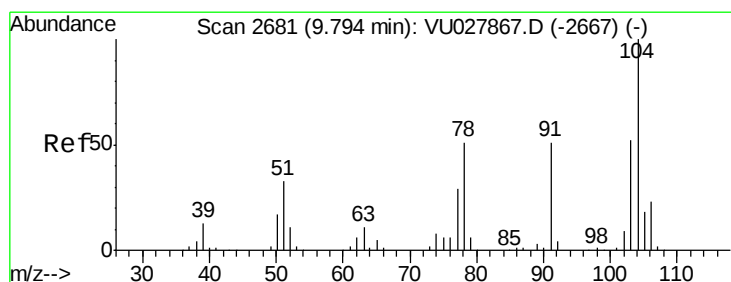
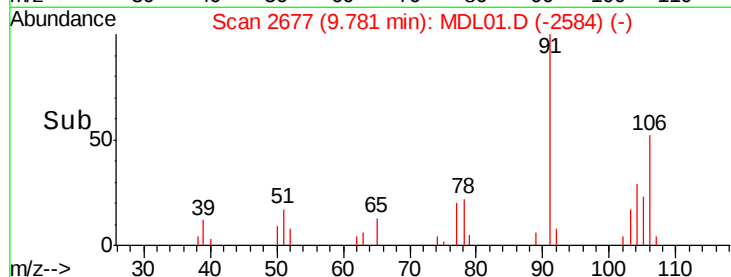
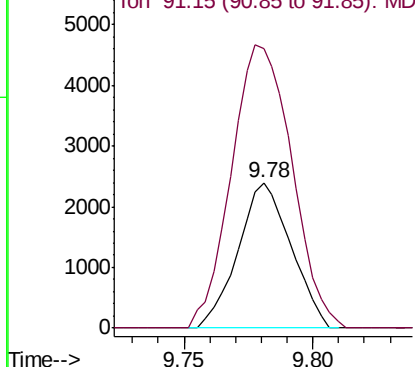
#54
o-xylene
Concen: 0.325 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: MDL01.D
Acq: 30 Oct 2018 17:52

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:106 Resp: 3437
Ion Ratio Lower Upper
106 100
91 192.2 158.3 293.9

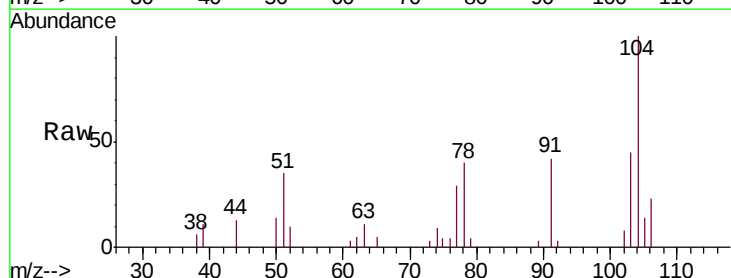


Abundance Ion 106.15 (105.85 to 106.85): M
Ion 91.15 (90.85 to 91.85): MDL

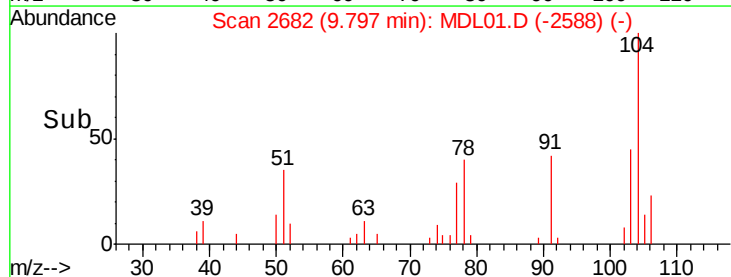
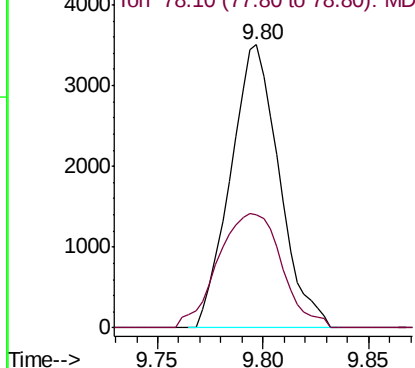


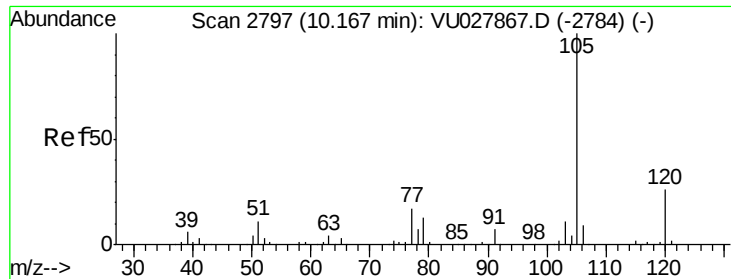
#55
Styrene
Concen: 0.316 ug/L
RT: 9.80 min Scan# 2682
Delta R.T. 0.00 min
Lab File: MDL01.D
Acq: 30 Oct 2018 17:52

Tgt Ion:104 Resp: 5616
Ion Ratio Lower Upper
104 100
78 40.0 35.6 66.0



Abundance Ion 104.10 (103.80 to 104.80): M
Ion 78.10 (77.80 to 78.80): MDL





#56

Isopropylbenzene

Concen: 0.317 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: MDL01.D

Acq: 30 Oct 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

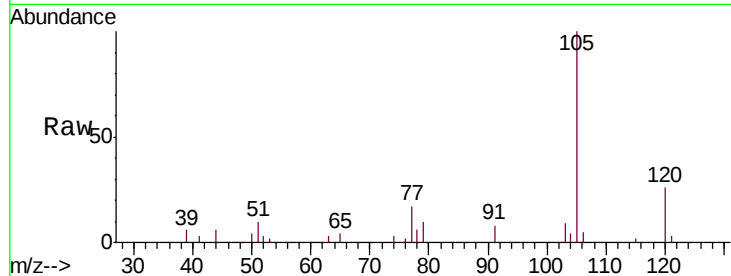
Tgt Ion: 105 Resp: 9147

Ion Ratio Lower Upper

105 100

120 23.3 20.2 30.2

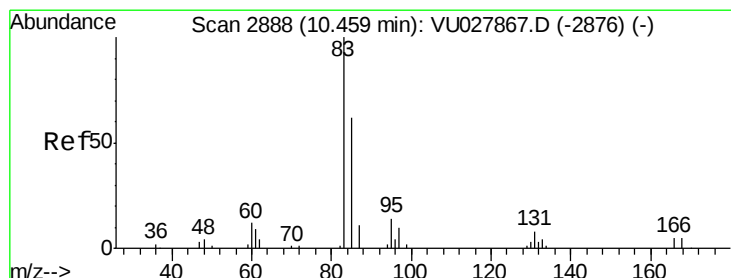
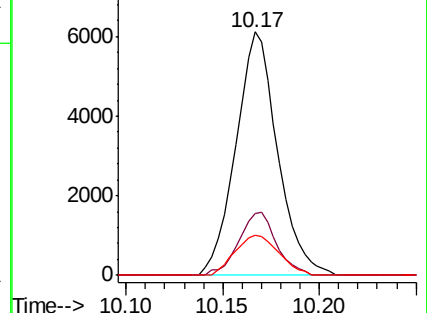
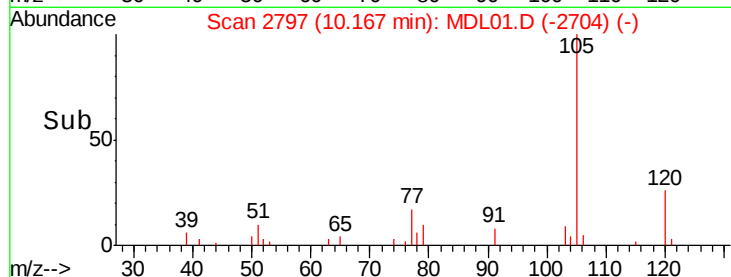
77 17.4 13.4 20.2



Abundance Ion 105.05 (104.75 to 105.75): M

Ion 120.10 (119.80 to 120.80): M

Ion 77.10 (76.80 to 77.80): M



#58

1,1,2,2-Tetrachloroethane

Concen: 0.284 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: MDL01.D

Acq: 30 Oct 2018 17:52

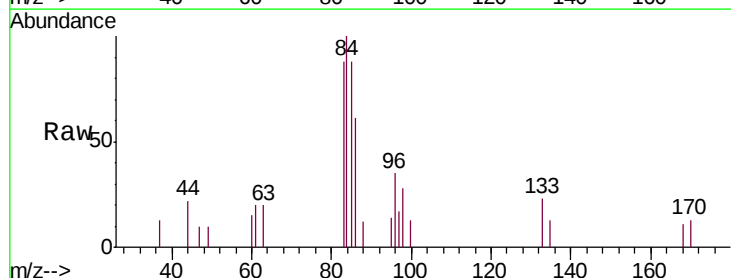
Tgt Ion: 83 Resp: 1620

Ion Ratio Lower Upper

83 100

85 100.4 44.4 82.4#

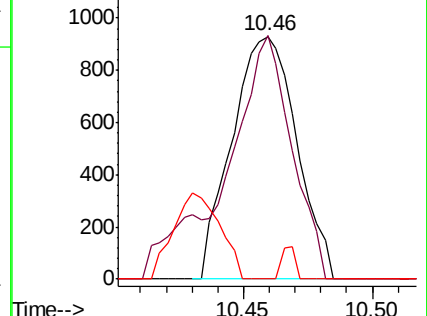
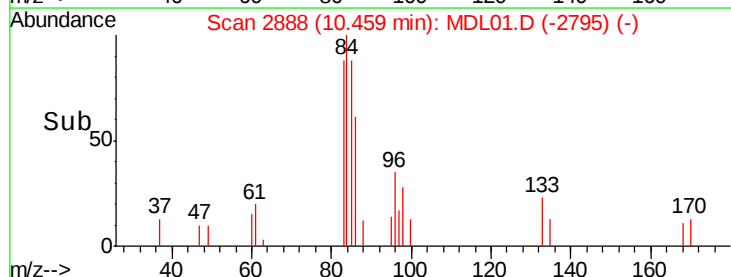
131 0.0 6.8 10.2#

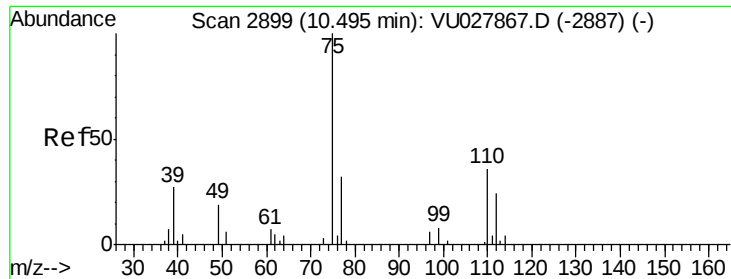


Abundance Ion 82.95 (82.65 to 83.65): MDL

Ion 85.00 (84.70 to 85.70): MDL

Ion 130.95 (130.65 to 131.65): M

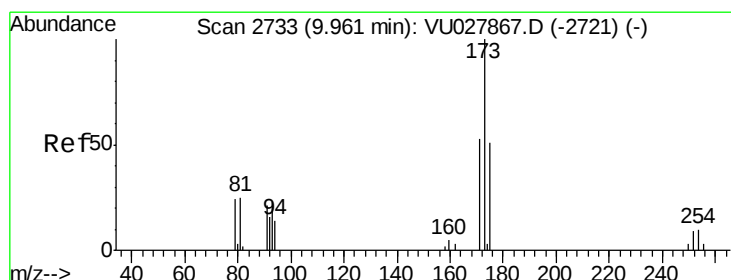
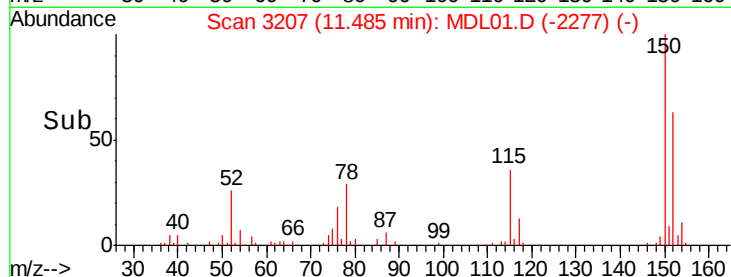
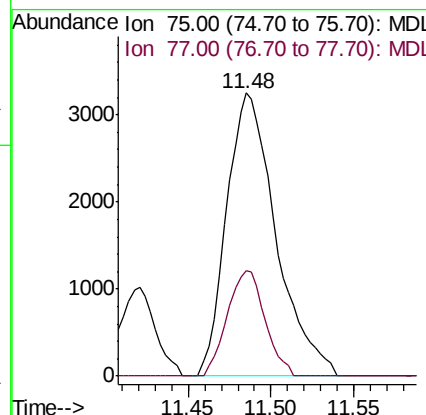
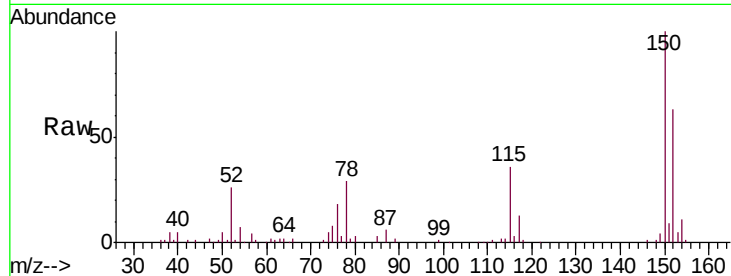




#59
 1,2,3-Trichloropropane
 Concen: 1.563 ug/L
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: MDL01.D
 Acq: 30 Oct 2018 17:52

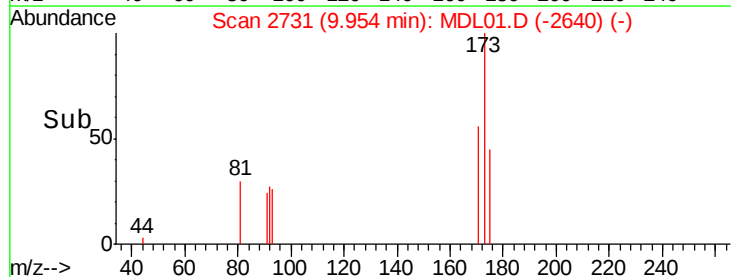
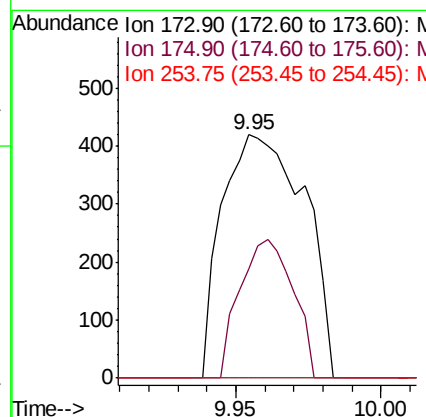
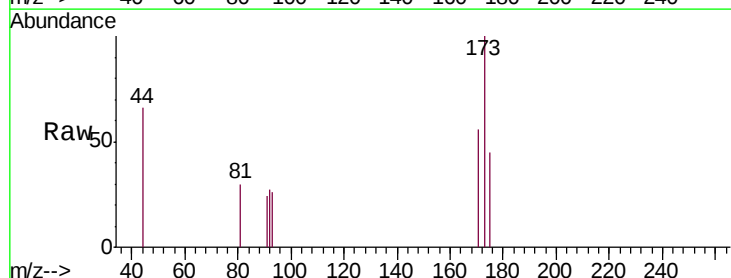
Instrument :
 MSVOA_U
 ClientSampleId :

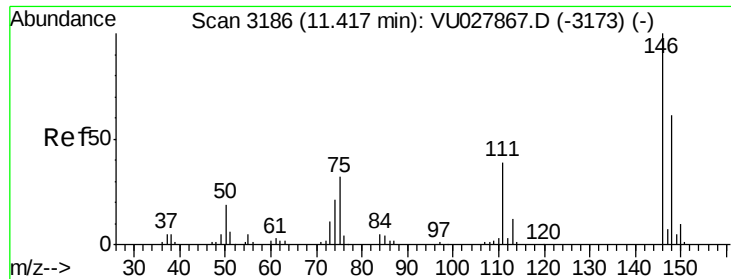
Tgt Ion: 75 Resp: 6725
 Ion Ratio Lower Upper
 75 100
 77 28.4 25.8 38.6



#61
 Bromoform
 Concen: 0.290 ug/L
 RT: 9.95 min Scan# 2731
 Delta R.T. -0.01 min
 Lab File: MDL01.D
 Acq: 30 Oct 2018 17:52

Tgt Ion: 173 Resp: 829
 Ion Ratio Lower Upper
 173 100
 175 36.6 38.3 57.5#
 254 0.0 7.8 11.6#

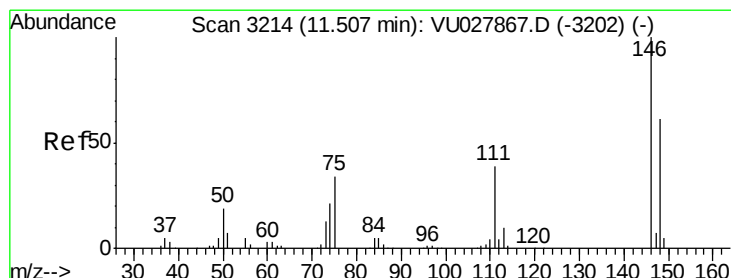
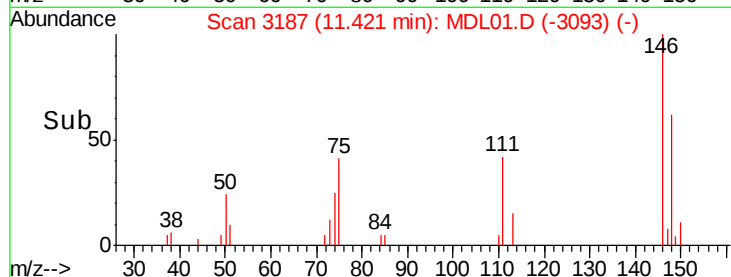
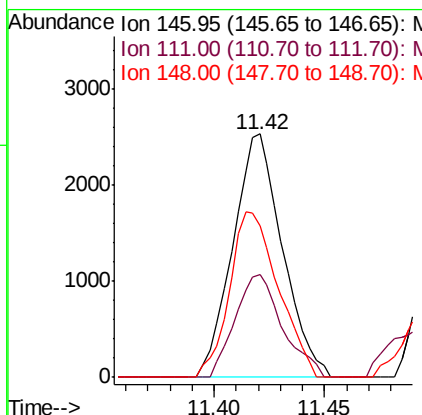
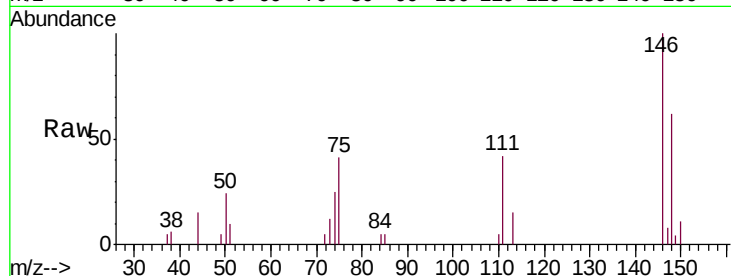




#62
 1,3-Dichlorobenzene
 Concen: 0.316 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: MDL01.D
 Acq: 30 Oct 2018 17:52

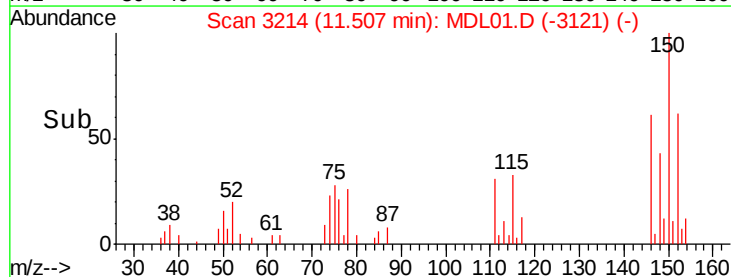
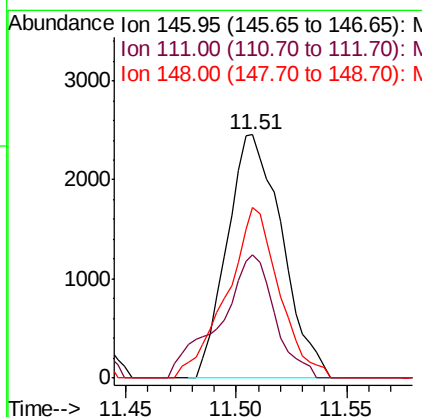
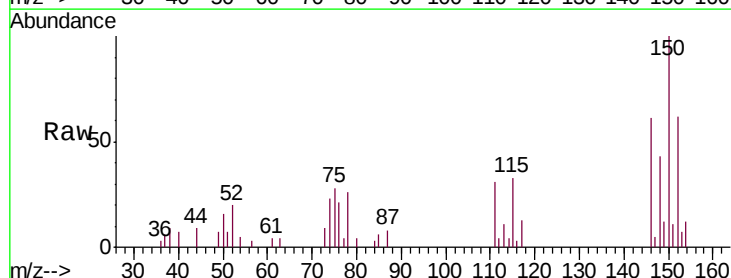
Instrument :
 MSVOA_U
 ClientSampleId :

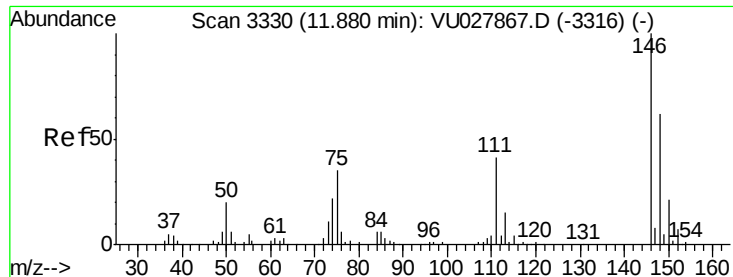
Tgt Ion:146 Resp: 3945
 Ion Ratio Lower Upper
 146 100
 111 42.3 27.4 51.0
 148 62.3 42.6 79.0



#63
 1,4-Dichlorobenzene
 Concen: 0.338 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: MDL01.D
 Acq: 30 Oct 2018 17:52

Tgt Ion:146 Resp: 4226
 Ion Ratio Lower Upper
 146 100
 111 50.8 27.4 51.0
 148 70.1 43.1 80.1

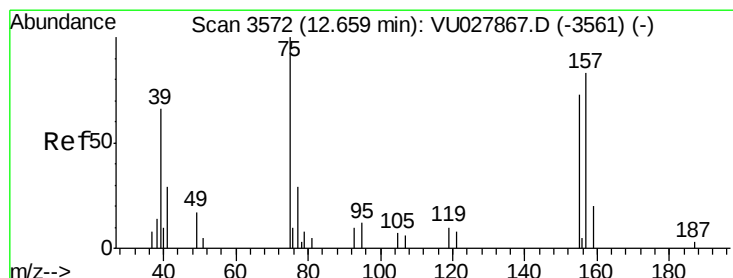
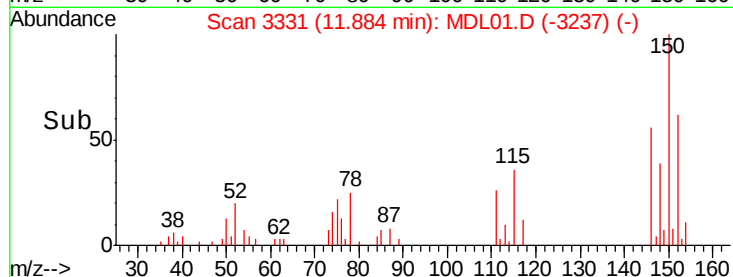
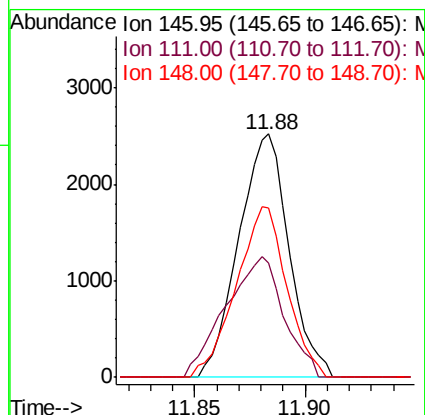
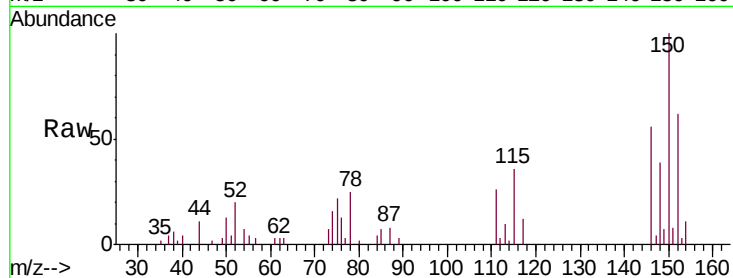




#65
 1,2-Dichlorobenzene
 Concen: 0.338 ug/L
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: MDL01.D
 Acq: 30 Oct 2018 17:52

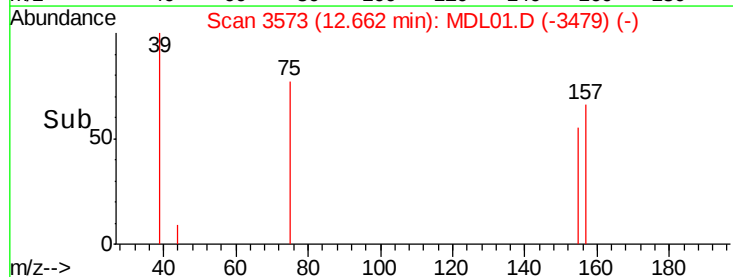
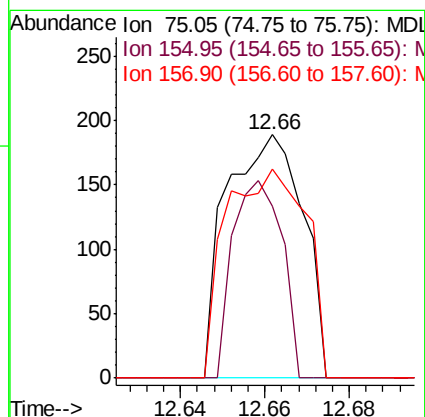
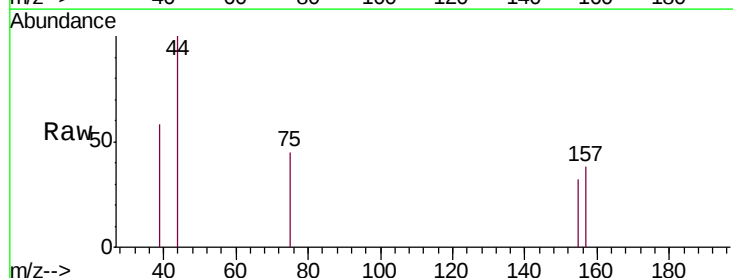
Instrument :
 MSVOA_U
 ClientSampleId :

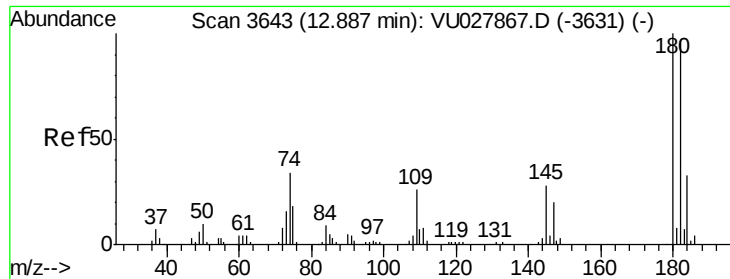
Tgt Ion: 146 Resp: 3983
 Ion Ratio Lower Upper
 146 100
 111 47.0 33.0 49.4
 148 69.5 49.2 73.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.256 ug/L
 RT: 12.66 min Scan# 3573
 Delta R.T. 0.00 min
 Lab File: MDL01.D
 Acq: 30 Oct 2018 17:52

Tgt Ion: 75 Resp: 237
 Ion Ratio Lower Upper
 75 100
 155 70.9 58.6 87.8
 157 85.7 66.7 100.1

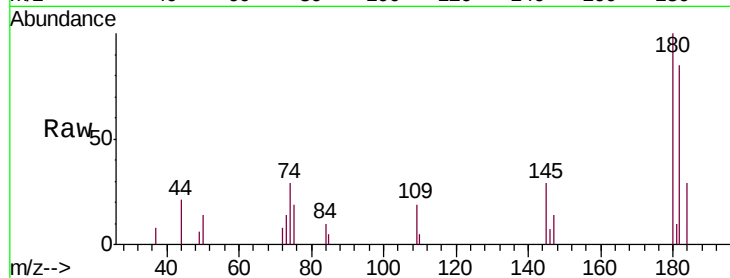




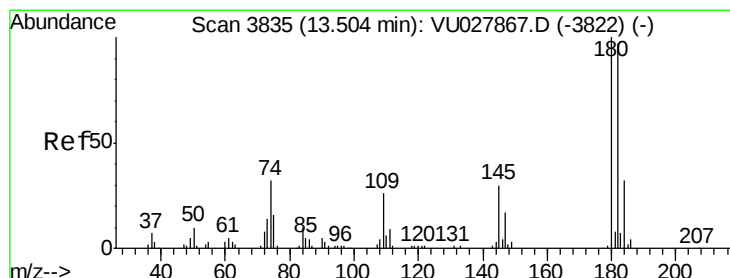
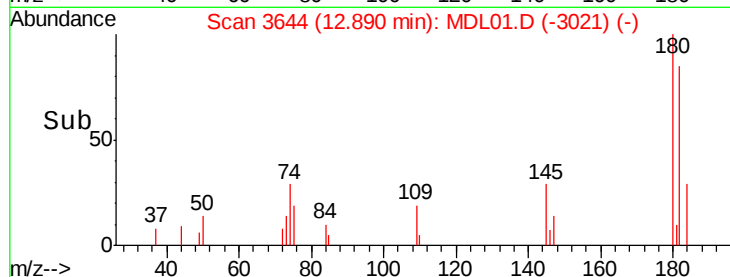
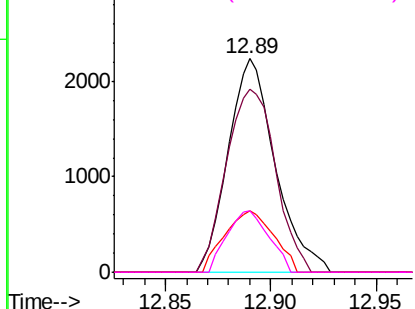
#67
 1,3,5-Trichlorobenzene
 Concen: 0.345 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: MDL01.D
 Acq: 30 Oct 2018 17:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:180 Resp: 3469
 Ion Ratio Lower Upper
 180 100
 182 89.5 77.3 115.9
 184 29.8 24.6 37.0
 145 25.3 23.0 34.6

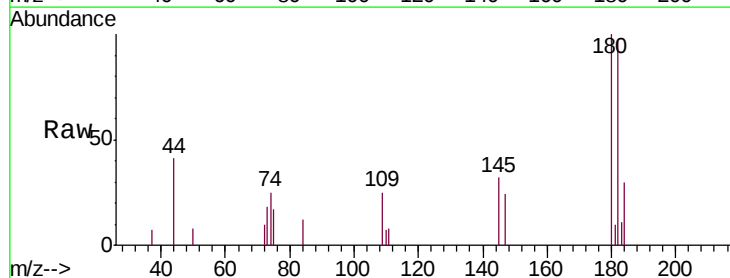


Abundance Ion 180.00 (179.70 to 180.70): N
 Ion 182.00 (181.70 to 182.70): N
 Ion 184.00 (183.70 to 184.70): N
 Ion 145.00 (144.70 to 145.70): N

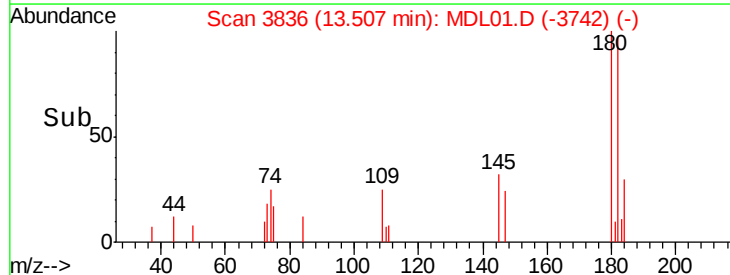
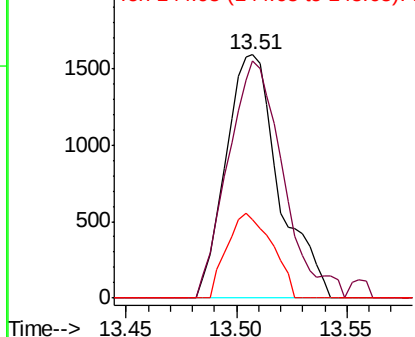


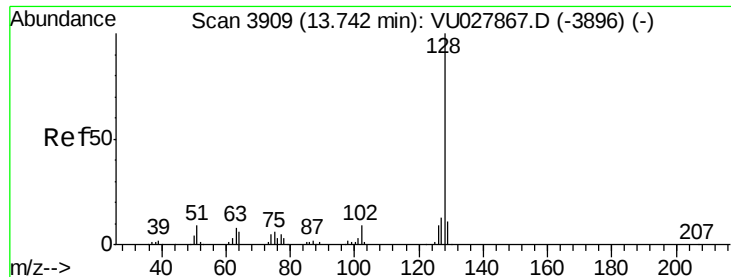
#68
 1,2,4-trichlorobenzene
 Concen: 0.311 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: MDL01.D
 Acq: 30 Oct 2018 17:52

Tgt Ion:180 Resp: 2661
 Ion Ratio Lower Upper
 180 100
 182 100.7 77.8 116.6
 145 29.6 22.9 34.3



Abundance Ion 179.90 (179.60 to 180.60): N
 Ion 182.00 (181.70 to 182.70): N
 Ion 144.95 (144.65 to 145.65): N

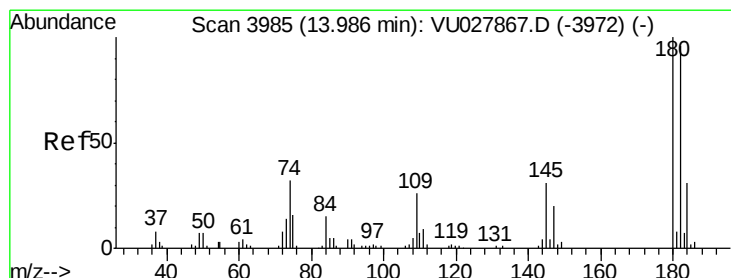
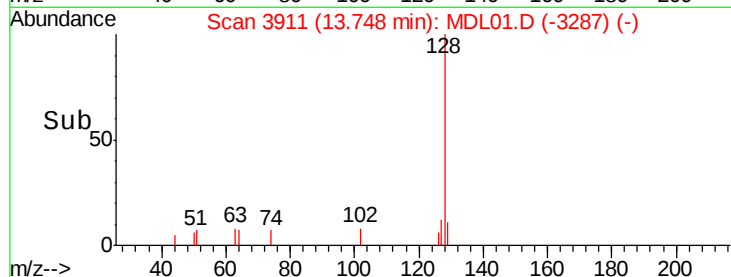
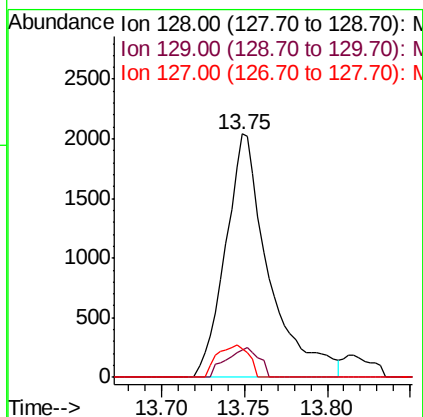
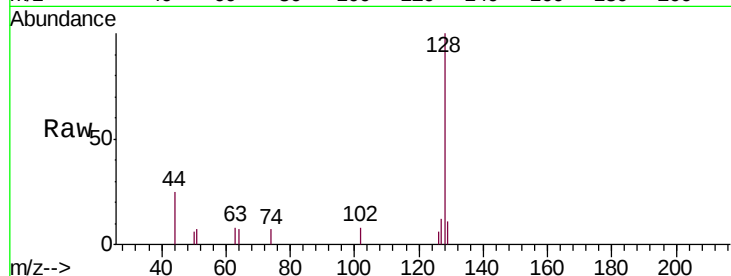




#69
Naphthalene
Concen: 0.278 ug/L
RT: 13.75 min Scan# 3911
Delta R.T. 0.01 min
Lab File: MDL01.D
Acq: 30 Oct 2018 17:52

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:128 Resp: 3700
Ion Ratio Lower Upper
128 100
129 9.1 8.6 12.8
127 9.7 10.5 15.7#



#70
1,2,3-Trichlorobenzene
Concen: 0.267 ug/L
RT: 13.99 min Scan# 3987
Delta R.T. 0.01 min
Lab File: MDL01.D
Acq: 30 Oct 2018 17:52

Tgt Ion:180 Resp: 2082
Ion Ratio Lower Upper
180 100
182 114.2 79.4 119.0
145 32.5 25.4 38.0

