

Data File : VU027777.D
Acq On : 24 Oct 2018 11:47
Operator : MD/SY
Sample : MDL01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Quant Time: Oct 25 04:37:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 25 04:31:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	40308	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	39420	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	18710	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	16330	4.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.40%
7) Chloroethane-d5	1.68	69	12536	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.28	63	24332	3.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.40%
20) 2-Butanone-d5	4.22	46	52685	52.74	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.48%
24) Chloroform-d	4.65	84	29524	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.31	65	17381	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.34	84	55120	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
36) 1,2-Dichloropropane-d6	6.33	67	19944	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.00%
41) Toluene-d8	7.57	98	52410	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
43) trans-1,3-Dichloropropene-	7.85	79	7672	5.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.40%
46) 2-Hexanone-d5	8.32	63	45191	54.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.24%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	14189	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	18786	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	1061	0.271 ug/L	98
3) Chloromethane	1.33	50	1176	0.268 ug/L	94
5) Vinyl chloride	1.40	62	1125	0.266 ug/L #	79
6) Bromomethane	1.63	94	594	0.274 ug/L	79
8) Chloroethane	1.70	64	649	0.284 ug/L	91
9) Trichlorofluoromethane	1.89	101	1448	0.259 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	892	0.316 ug/L #	77
12) 1,1-Dichloroethene	2.29	96	694	0.264 ug/L #	1
13) Acetone	2.36	43	2219	3.081 ug/L	68
14) Carbon disulfide	2.48	76	2667	0.296 ug/L	98
15) Methyl Acetate	2.63	43	813	0.403 ug/L #	57
16) Methylene chloride	2.70	84	1398	0.451 ug/L	85
17) Methyl tert-butyl Ether	3.01	73	2140	0.254 ug/L #	73
18) trans-1,2-Dichloroethene	2.99	96	764	0.271 ug/L	93
19) 1,1-Dichloroethane	3.45	63	1662	0.267 ug/L #	95
22) cis-1,2-Dichloroethene	4.23	96	824	0.246 ug/L	98
23) Bromochloromethane	4.56	128	251	0.185 ug/L #	58

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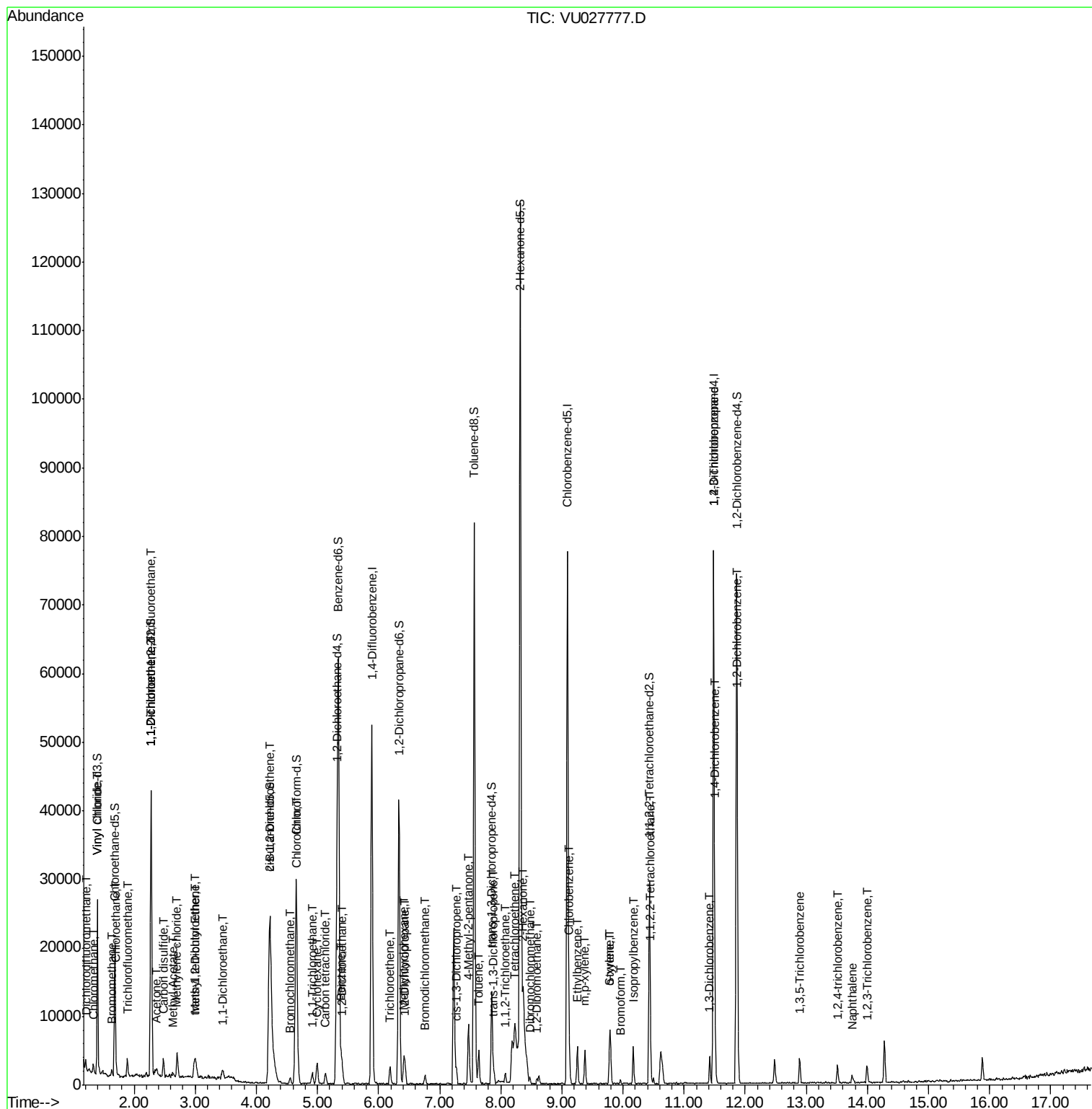
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.67	83	892	0.142	ug/L	100
27) 1,2-Dichloroethane	5.41	62	1157	0.250	ug/L #	79
29) 1,1,1-Trichloroethane	4.92	97	1348	0.238	ug/L	98
30) Cyclohexane	5.00	56	1485	0.234	ug/L	89
31) Carbon tetrachloride	5.13	117	1154	0.237	ug/L	95
33) Benzene	5.39	78	3715	0.284	ug/L	100
34) Trichloroethene	6.19	95	896	0.264	ug/L	79
35) Methylcyclohexane	6.42	83	1605	0.283	ug/L	92
37) 1,2-Dichloropropane	6.44	63	1038	0.270	ug/L #	90
38) Bromodichloromethane	6.76	83	1120	0.244	ug/L #	92
39) cis-1,3-Dichloropropene	7.28	75	1441	0.262	ug/L #	73
40) 4-Methyl-2-pentanone	7.47	43	7388	2.569	ug/L #	87
42) Toluene	7.64	91	3603	0.256	ug/L	83
44) trans-1,3-Dichloropropene	7.89	75	1213	0.261	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	548	0.236	ug/L	86
47) Tetrachloroethene	8.23	164	643	0.233	ug/L	86
48) 2-Hexanone	8.37	43	6514	3.188	ug/L #	92
49) Dibromochloromethane	8.48	129	674	0.228	ug/L	86
50) 1,2-Dibromoethane	8.59	107	538	0.238	ug/L #	97
51) Chlorobenzene	9.12	112	2397	0.276	ug/L	87
52) Ethylbenzene	9.25	91	4372	0.267	ug/L	99
53) m,p-xylene	9.38	106	1390	0.240	ug/L	95
54) o-xylene	9.78	106	1418	0.251	ug/L	90
55) Styrene	9.80	104	2371	0.247	ug/L	96
56) Isopropylbenzene	10.17	105	3909	0.249	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	877	0.287	ug/L #	80
59) 1,2,3-Trichloropropane	11.48	75	2927	1.209	ug/L	95
61) Bromoform	9.96	173	277	0.176	ug/L #	67
62) 1,3-Dichlorobenzene	11.42	146	1905	0.289	ug/L	92
63) 1,4-Dichlorobenzene	11.51	146	1918	0.289	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	1841	0.298	ug/L #	86
67) 1,3,5-Trichlorobenzene	12.89	180	1543	0.292	ug/L #	85
68) 1,2,4-trichlorobenzene	13.51	180	1224	0.267	ug/L #	91
69) Naphthalene	13.75	128	1706	0.229	ug/L #	79
70) 1,2,3-Trichlorobenzene	13.99	180	1239	0.293	ug/L #	88

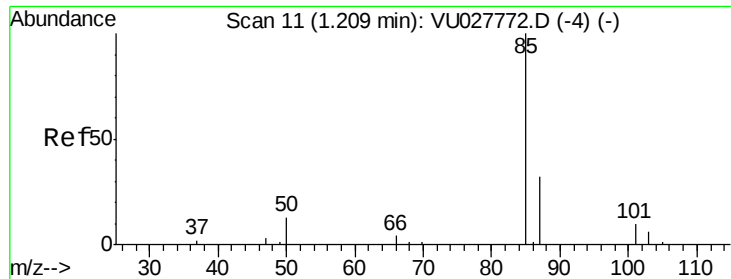
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.271 ug/L

RT: 1.21 min Scan# 11

Delta R.T. -0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

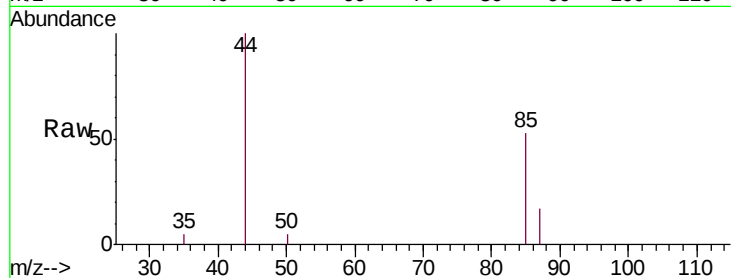
MDL01

Tgt Ion: 85 Resp: 1061

Ion Ratio Lower Upper

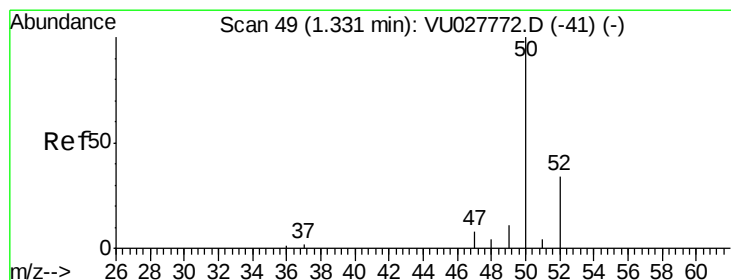
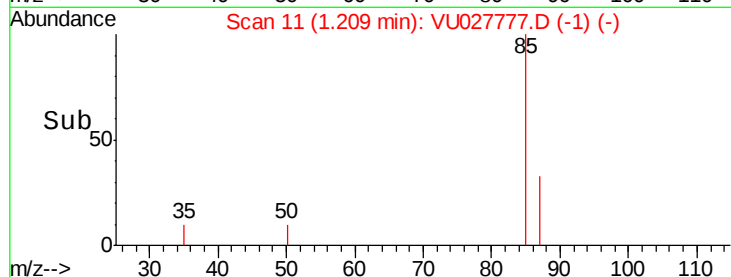
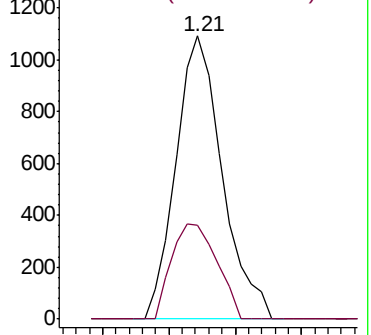
85 100

87 32.8 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.268 ug/L

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027777.D

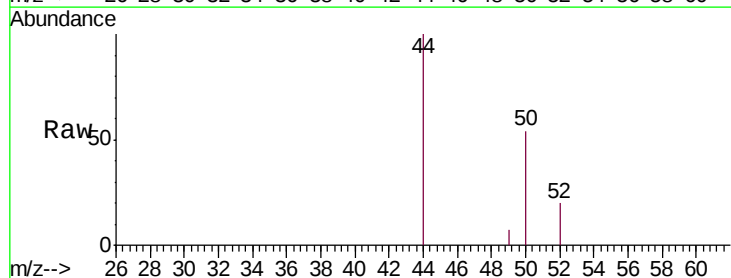
Acq: 24 Oct 2018 11:47

Tgt Ion: 50 Resp: 1176

Ion Ratio Lower Upper

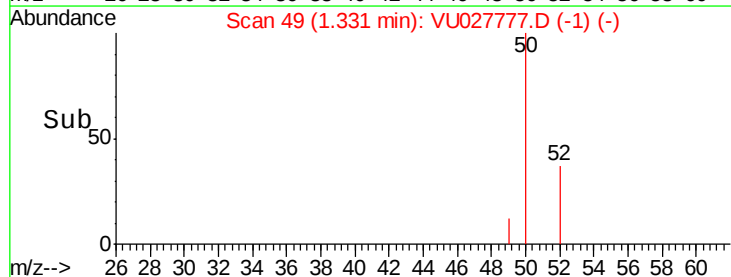
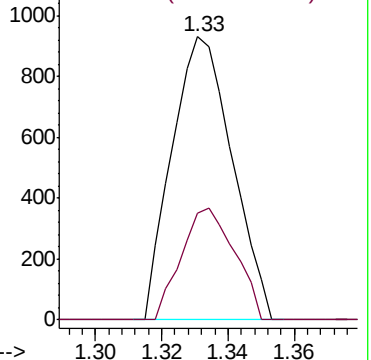
50 100

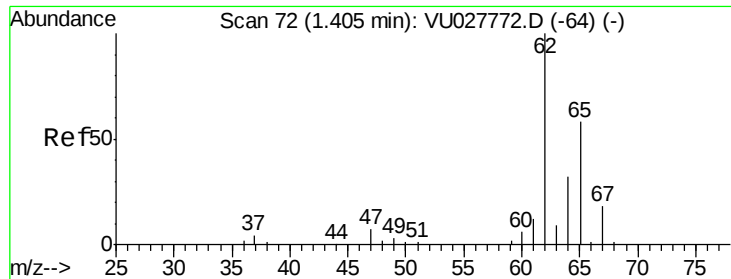
52 37.5 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.266 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

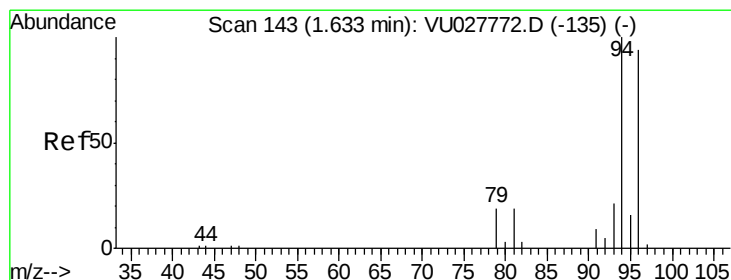
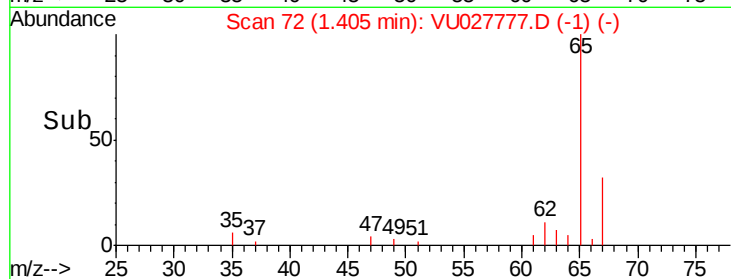
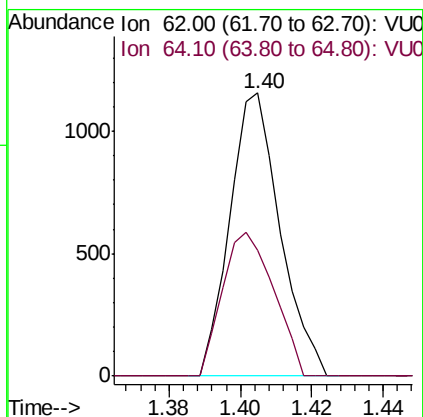
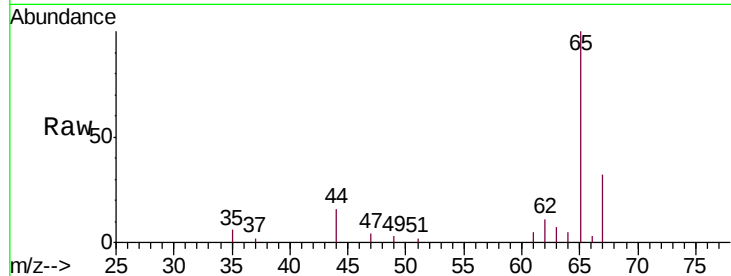
MDL01

Tgt Ion: 62 Resp: 1125

Ion Ratio Lower Upper

62 100

64 44.4 22.7 42.1#



#6

Bromomethane

Concen: 0.274 ug/L

RT: 1.63 min Scan# 143

Delta R.T. -0.00 min

Lab File: VU027777.D

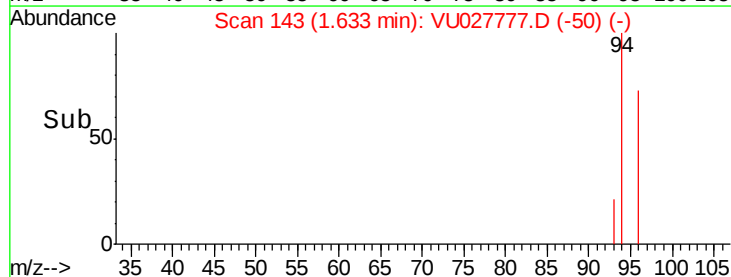
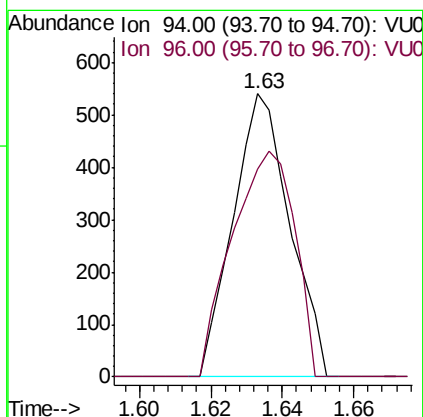
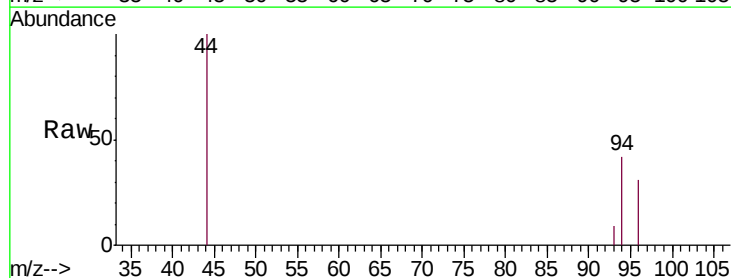
Acq: 24 Oct 2018 11:47

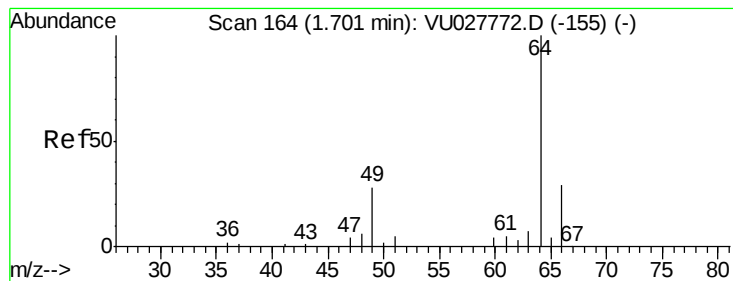
Tgt Ion: 94 Resp: 594

Ion Ratio Lower Upper

94 100

96 73.3 65.5 121.7





#8

Chloroethane

Concen: 0.284 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

ClientSampled :

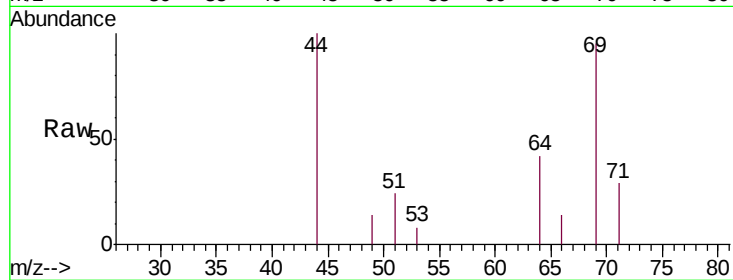
MDL01

Tgt Ion: 64 Resp: 649

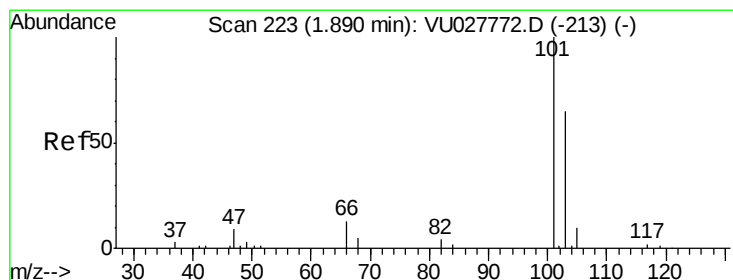
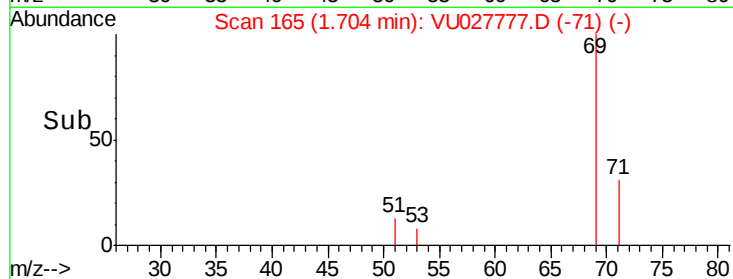
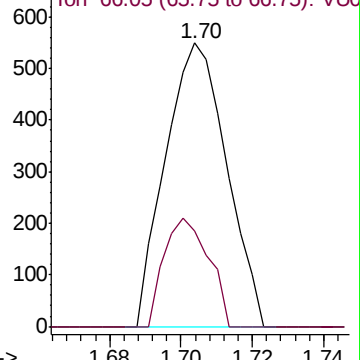
Ion Ratio Lower Upper

64 100

66 33.9 20.3 37.7



Abundance Ion 64.10 (63.80 to 64.80): VU027777.D (-155) (-)



#9

Trichlorofluoromethane

Concen: 0.259 ug/L

RT: 1.89 min Scan# 223

Delta R.T. -0.00 min

Lab File: VU027777.D

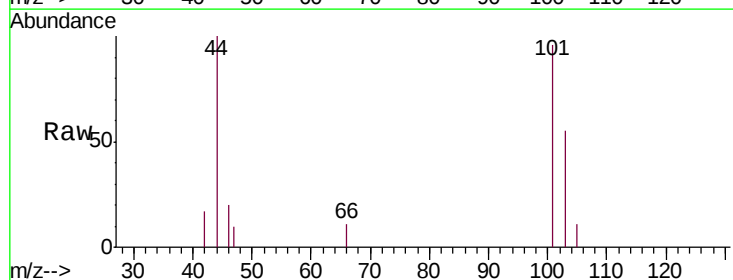
Acq: 24 Oct 2018 11:47

Tgt Ion: 101 Resp: 1448

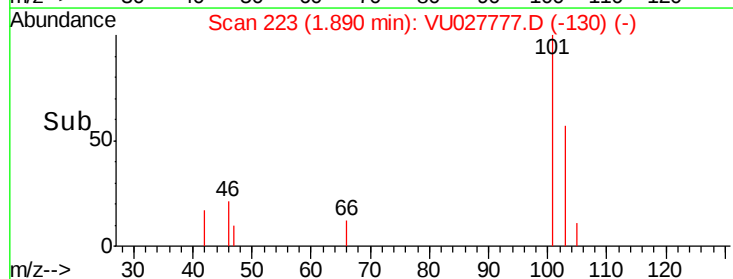
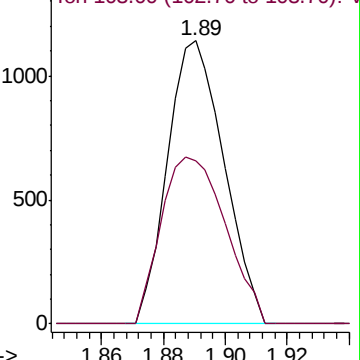
Ion Ratio Lower Upper

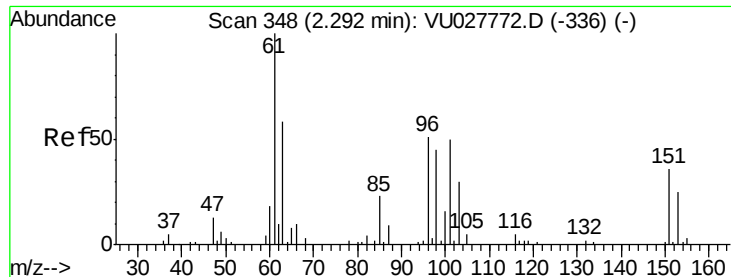
101 100

103 67.5 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU027777.D (-213) (-)





#10

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

Concen: 0.316 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027777.D

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ClientSampleId :

MDL01

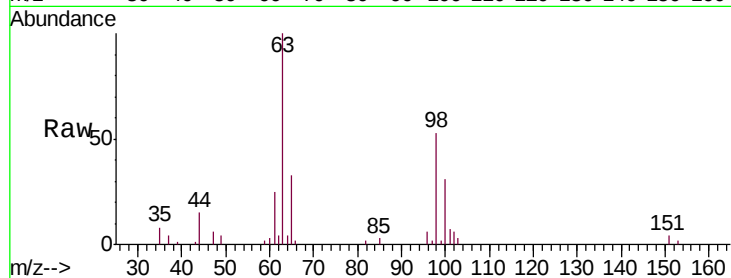
Tgt Ion: 101 Resp: 892

Ion Ratio Lower Upper

101 100

85 31.7 38.1 57.1#

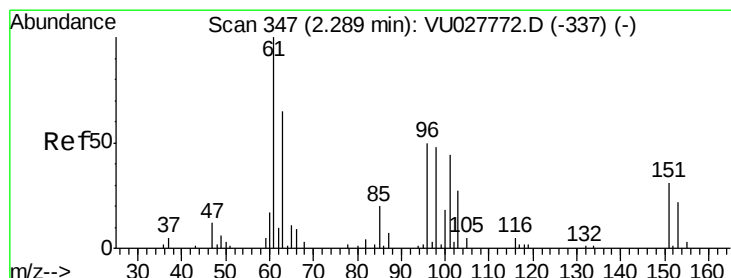
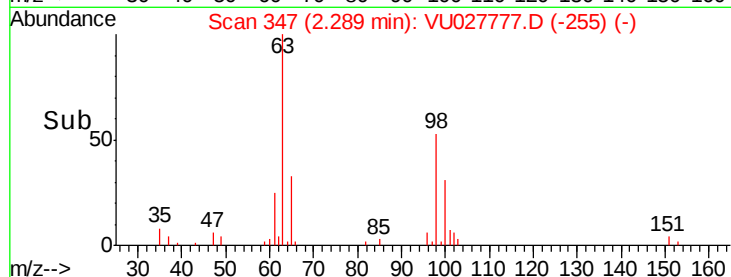
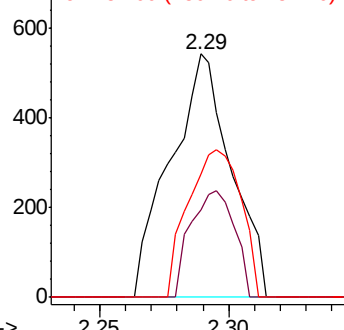
151 52.9 57.0 85.4#



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



#12

1,1-Dichloroethene

Concen: 0.264 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

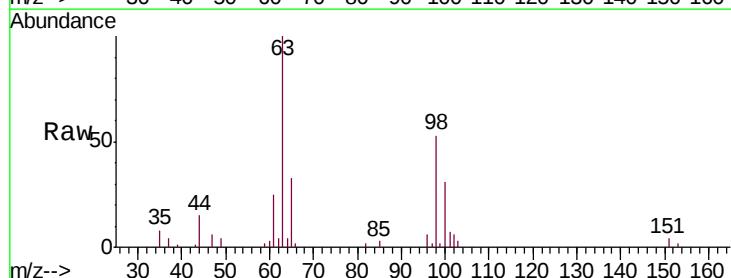
Tgt Ion: 96 Resp: 694

Ion Ratio Lower Upper

96 100

61 428.3 143.8 267.0#

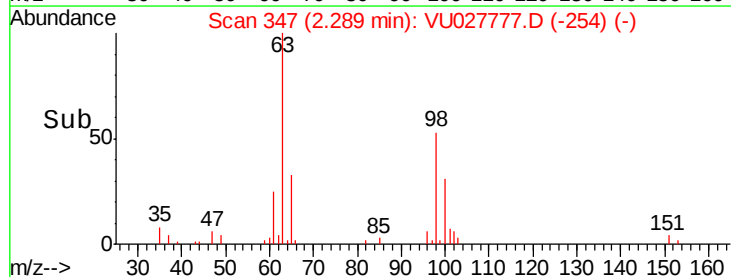
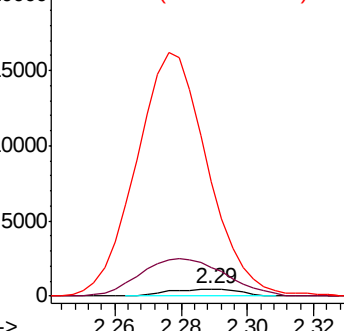
63 1689.6 105.1 195.3#

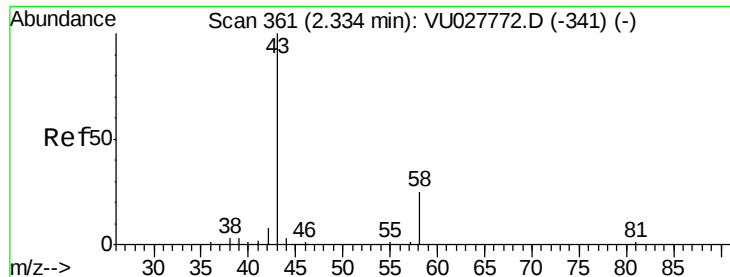


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.081 ug/L

RT: 2.36 min Scan# 370

Delta R.T. 0.03 min

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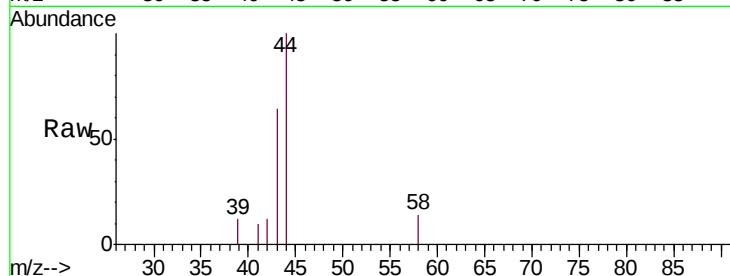
MDL01

Tgt Ion: 43 Resp: 2219

Ion Ratio Lower Upper

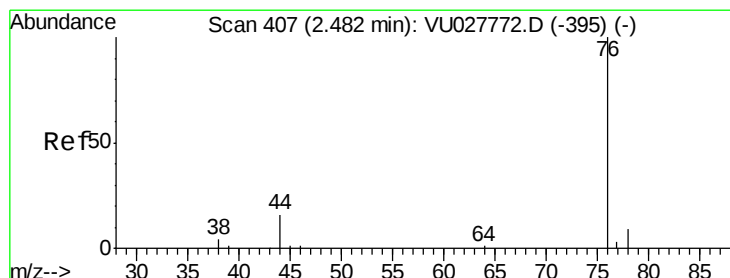
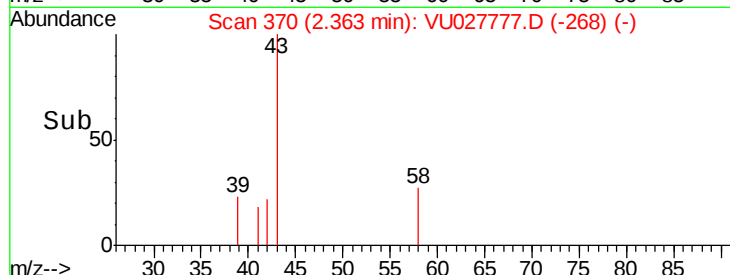
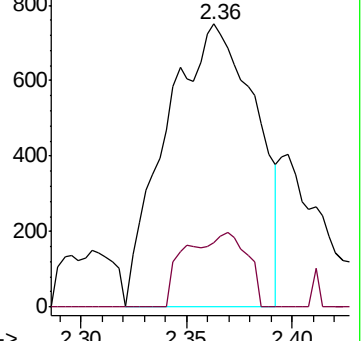
43 100

58 10.0 0.0 52.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 0.296 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027777.D

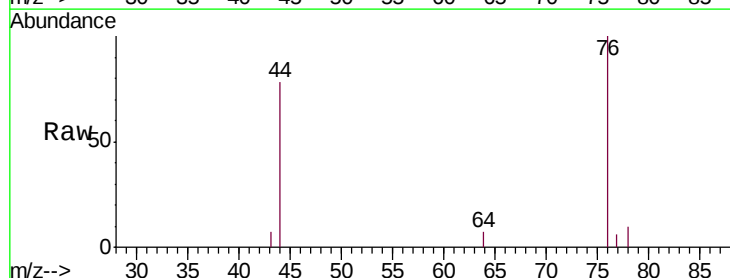
Acq: 24 Oct 2018 11:47

Tgt Ion: 76 Resp: 2667

Ion Ratio Lower Upper

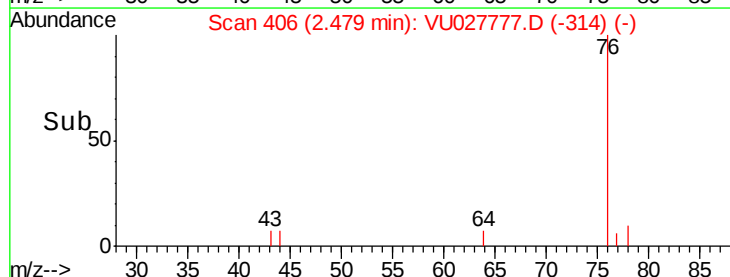
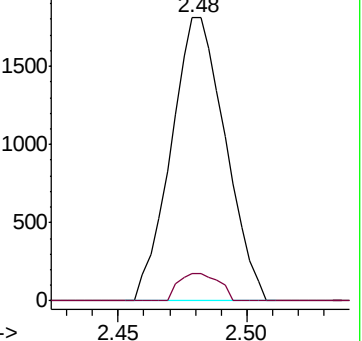
76 100

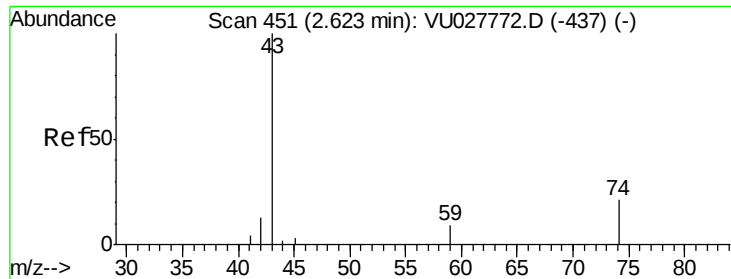
78 9.8 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

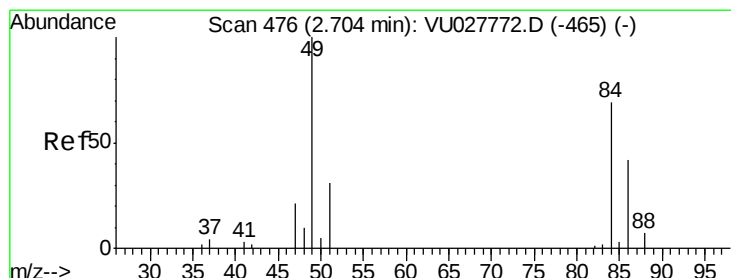
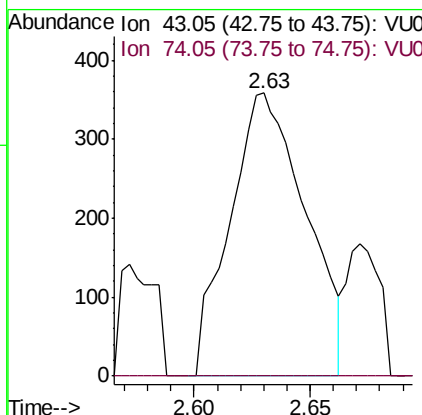
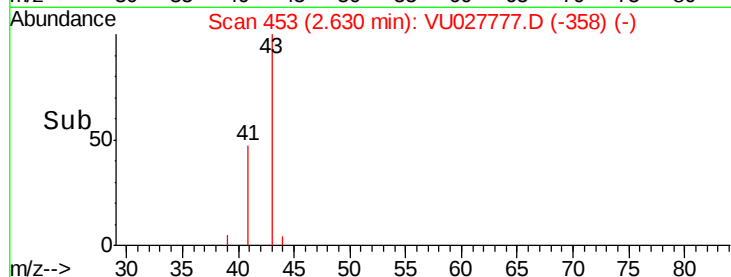
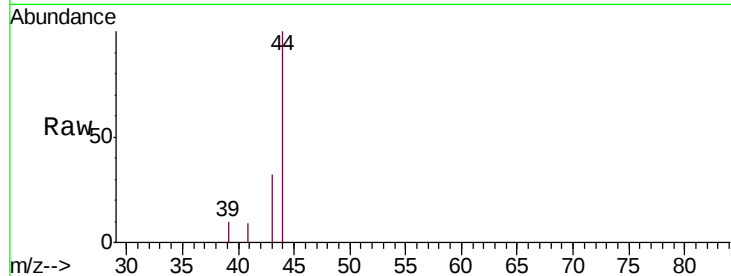




#15
Methyl Acetate
Concen: 0.403 ug/L
RT: 2.63 min Scan# 453
Delta R.T. 0.01 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

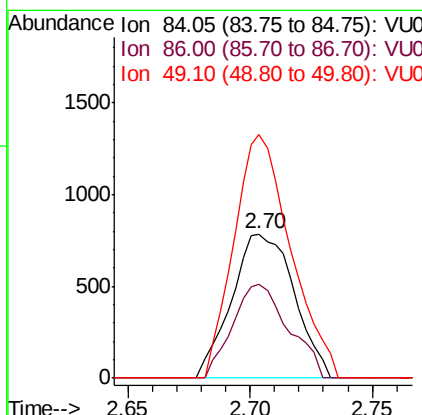
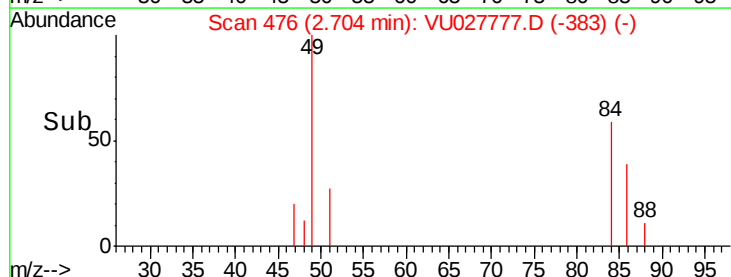
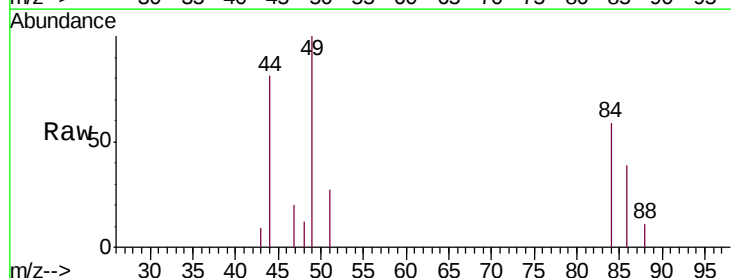
Instrument :
MSVOA_U
ClientSampleId :
MDL01

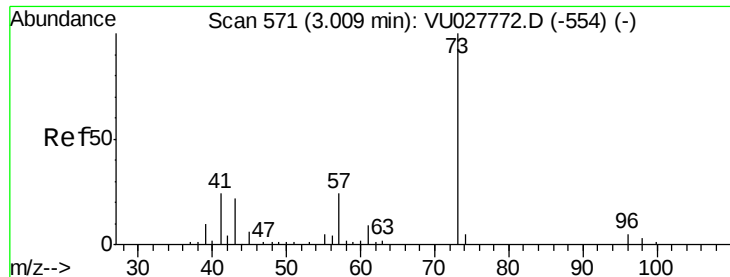
Tgt Ion: 43 Resp: 813
Ion Ratio Lower Upper
43 100
74 0.0 15.8 23.8#



#16
Methylene chloride
Concen: 0.451 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

Tgt Ion: 84 Resp: 1398
Ion Ratio Lower Upper
84 100
86 65.3 42.8 79.4
49 169.3 101.4 188.4





#17

Methyl tert-butyl Ether

Concen: 0.254 ug/L

RT: 3.01 min Scan# 572

Delta R.T. 0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

MDL01

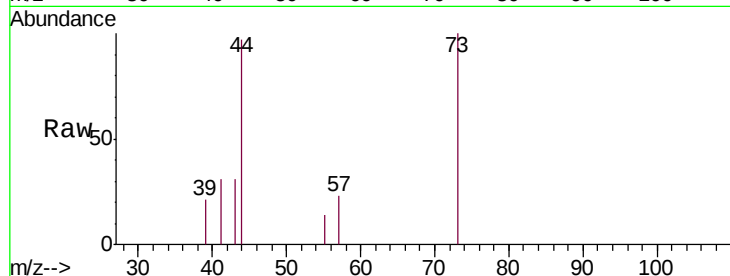
Tgt Ion: 73 Resp: 2140

Ion Ratio Lower Upper

73 100

43 40.2 18.6 28.0#

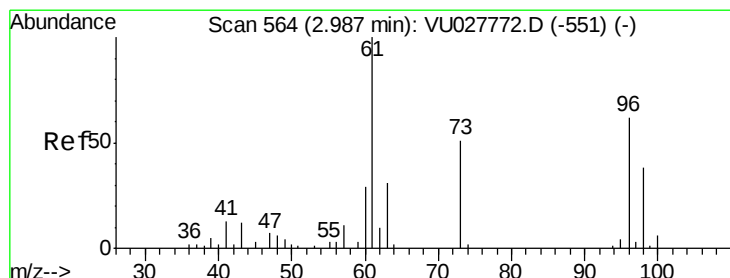
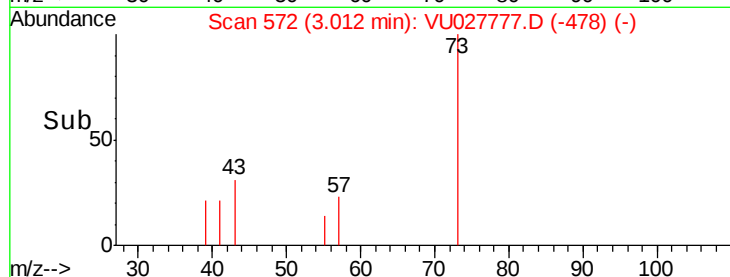
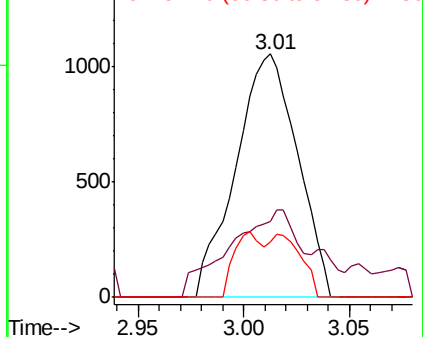
57 13.4 18.2 27.2#



Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0



#18

trans-1,2-Dichloroethene

Concen: 0.271 ug/L

RT: 2.99 min Scan# 564

Delta R.T. -0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

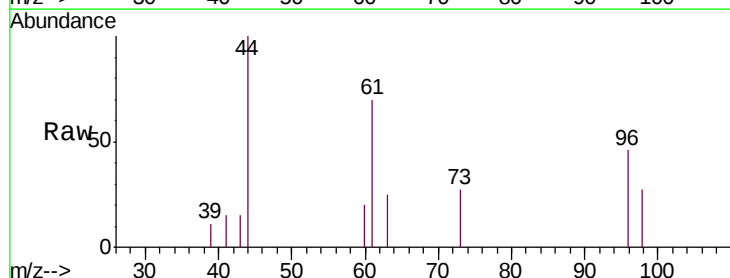
Tgt Ion: 96 Resp: 764

Ion Ratio Lower Upper

96 100

61 150.2 112.1 208.3

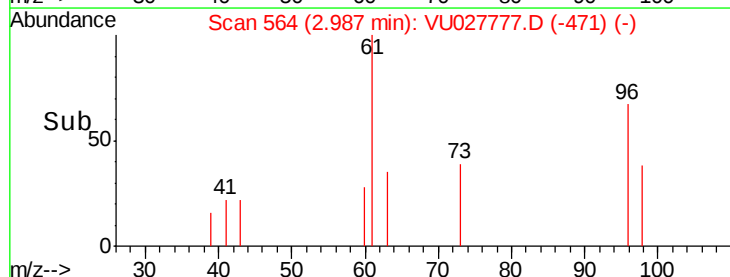
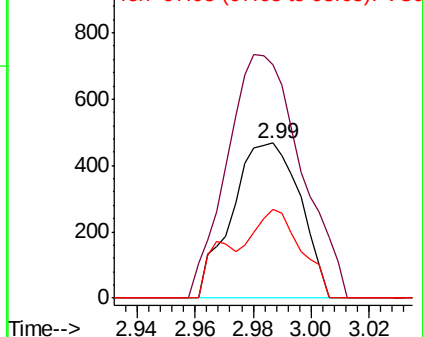
98 57.3 42.1 78.3

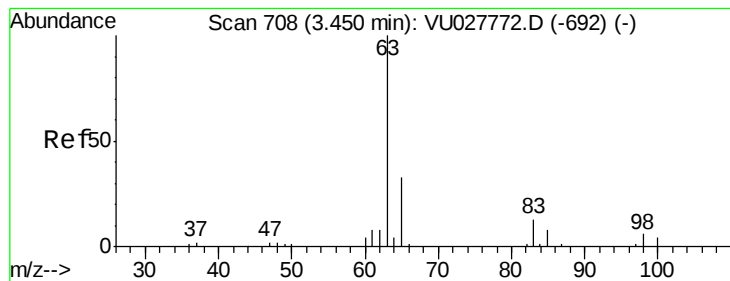


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.267 ug/L

RT: 3.45 min Scan# 709

Delta R.T. 0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

MDL01

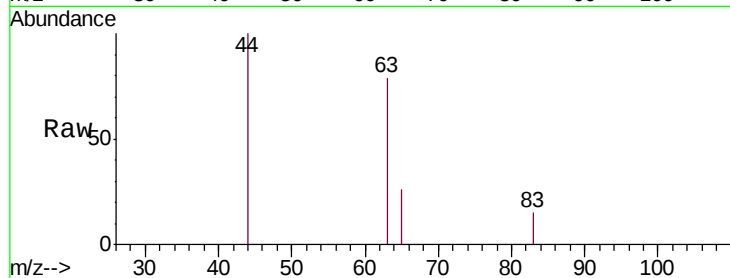
Tgt Ion: 63 Resp: 1662

Ion Ratio Lower Upper

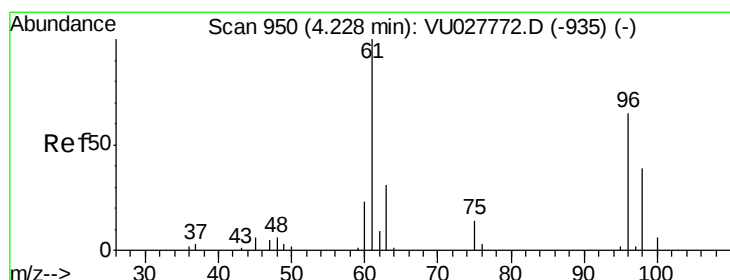
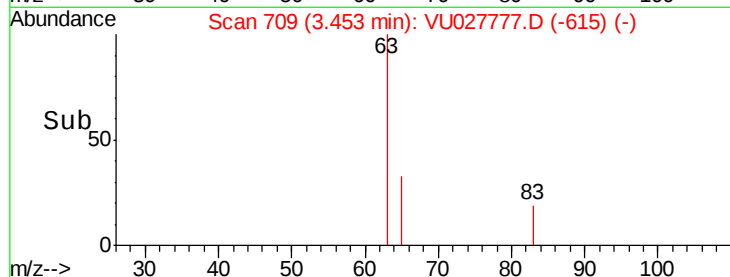
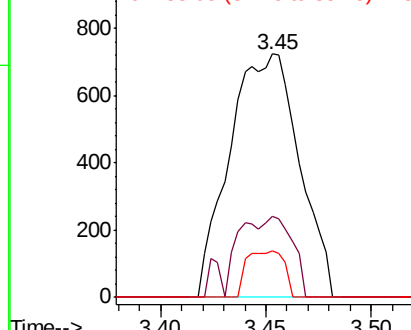
63 100

65 33.3 23.1 42.9

83 18.9 9.2 17.0#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



#22

cis-1,2-Dichloroethene

Concen: 0.246 ug/L

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

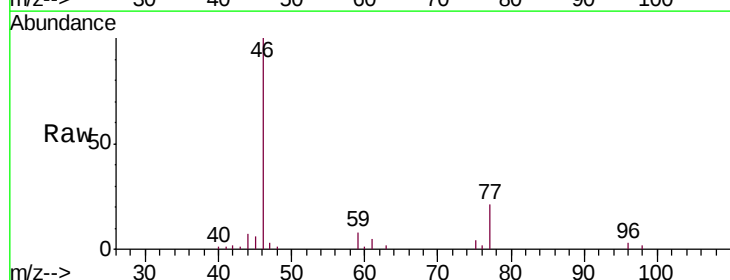
Tgt Ion: 96 Resp: 824

Ion Ratio Lower Upper

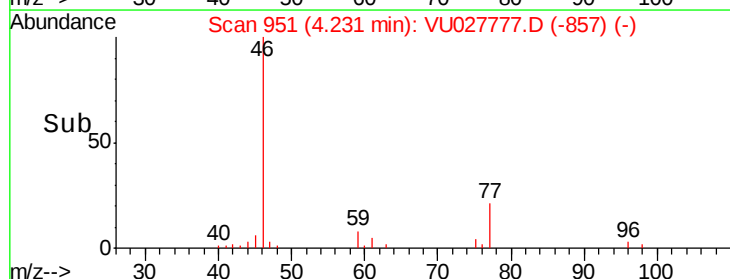
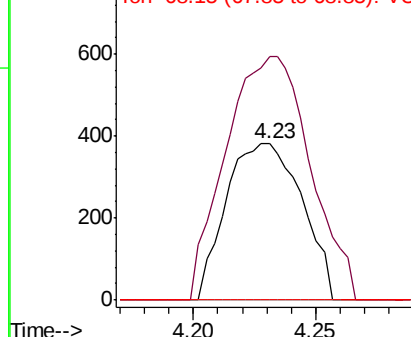
96 100

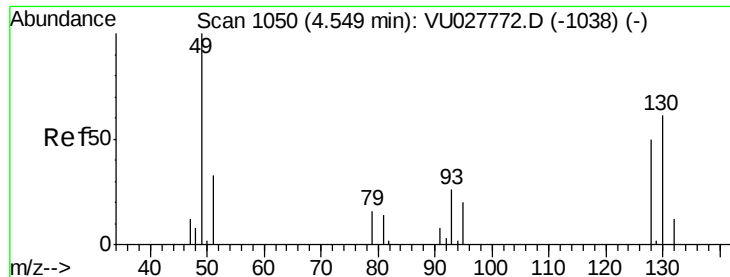
61 155.5 107.2 199.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0





#23

Bromochloromethane

Concen: 0.185 ug/L

RT: 4.56 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tgt Ion:128 Resp: 251

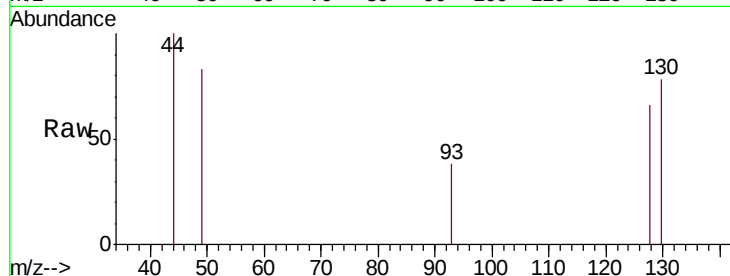
Ion Ratio Lower Upper

128 100

49 125.8 142.8 265.2#

130 117.4 86.0 159.8

51 0.0 52.6 79.0#



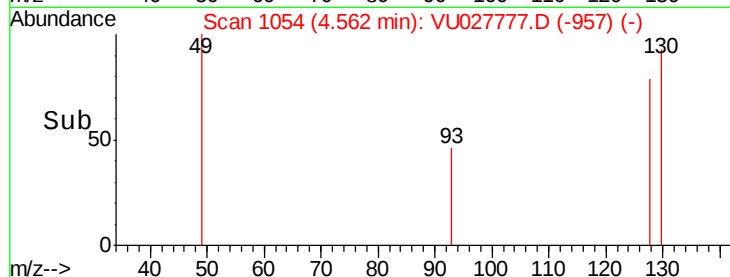
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

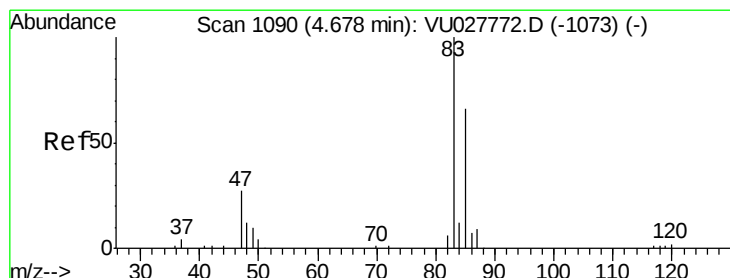
Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

Time-->



Time-->



#25

Chloroform

Concen: 0.142 ug/L

RT: 4.67 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VU027777.D

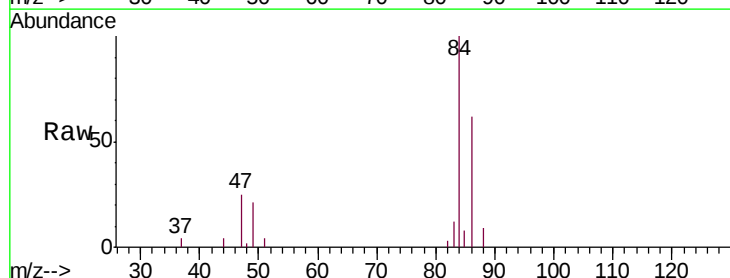
Acq: 24 Oct 2018 11:47

Tgt Ion: 83 Resp: 892

Ion Ratio Lower Upper

83 100

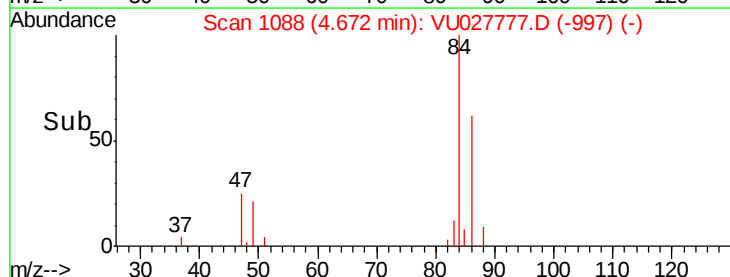
85 65.6 45.8 85.2



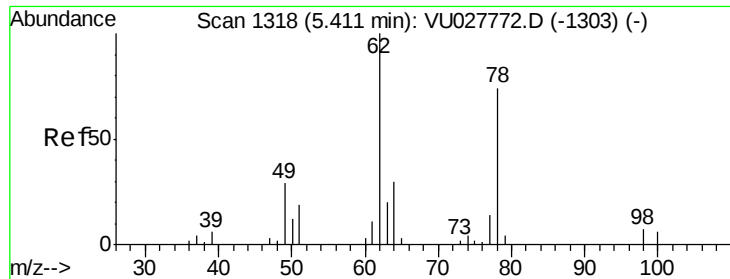
Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

Time-->



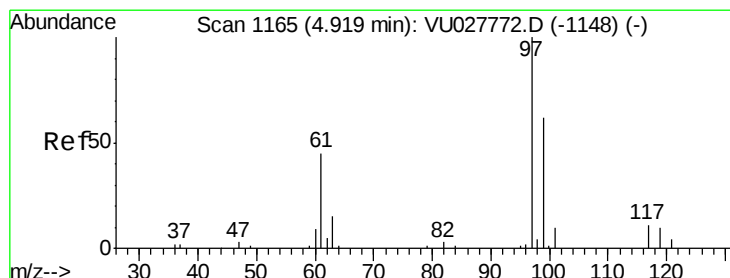
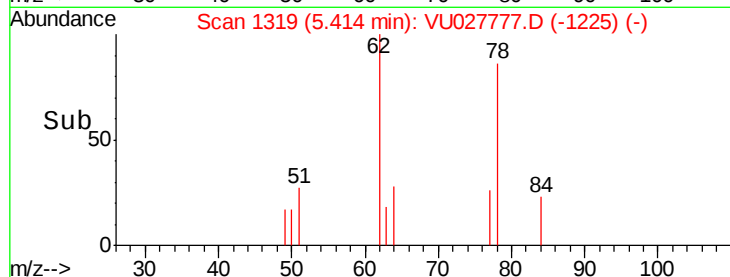
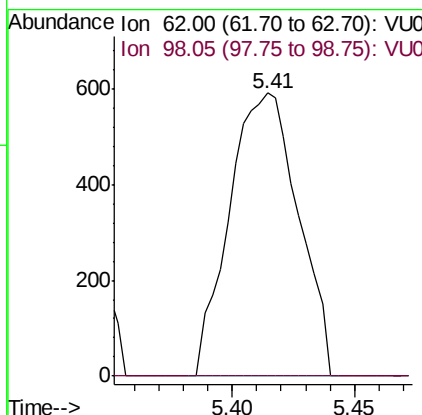
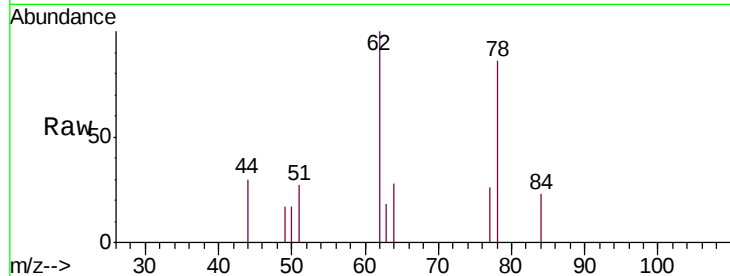
Time-->



#27
 1,2-Dichloroethane
 Concen: 0.250 ug/L
 RT: 5.41 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: VU027777.D
 Acq: 24 Oct 2018 11:47

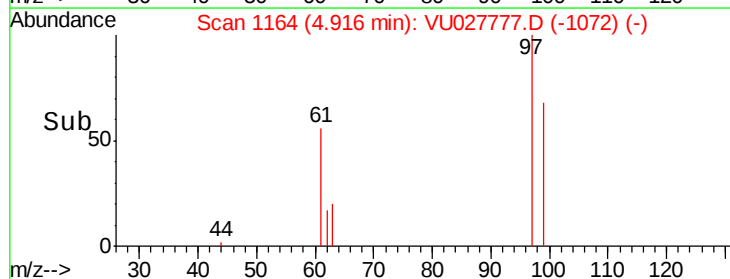
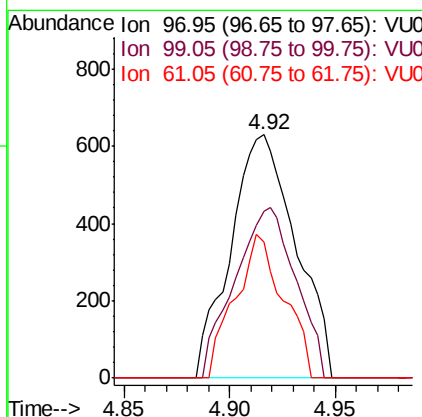
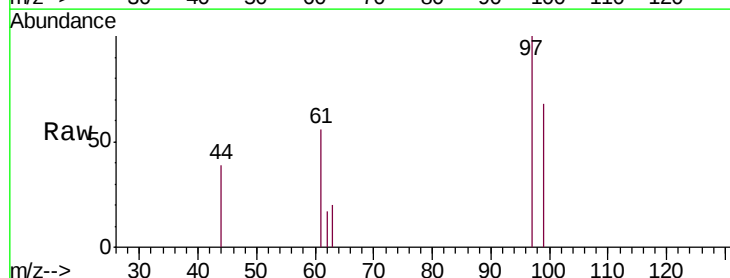
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

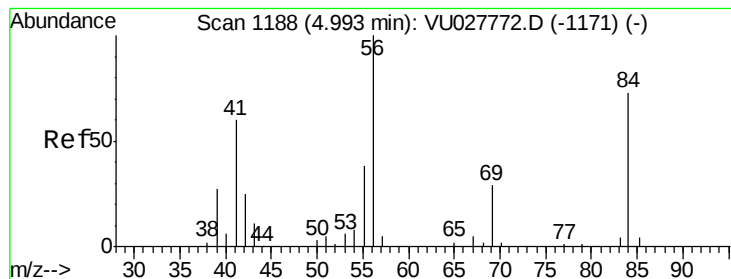
Tgt Ion: 62 Resp: 1157
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.7 8.5#



#29
 1,1,1-Trichloroethane
 Concen: 0.238 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: VU027777.D
 Acq: 24 Oct 2018 11:47

Tgt Ion: 97 Resp: 1348
 Ion Ratio Lower Upper
 97 100
 99 65.6 51.3 76.9
 61 44.1 36.7 55.1





#30

Cyclohexane

Concen: 0.234 ug/L

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

ClientSampled :

MDL01

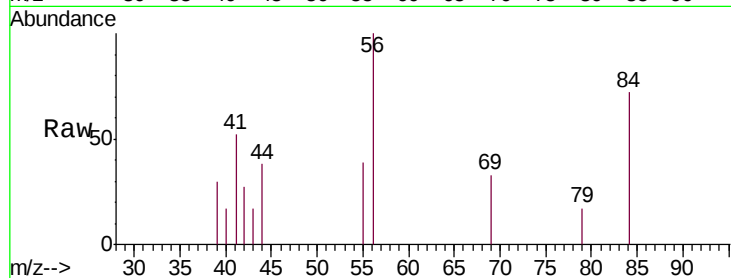
Tgt Ion: 56 Resp: 1485

Ion Ratio Lower Upper

56 100

69 32.2 22.2 33.4

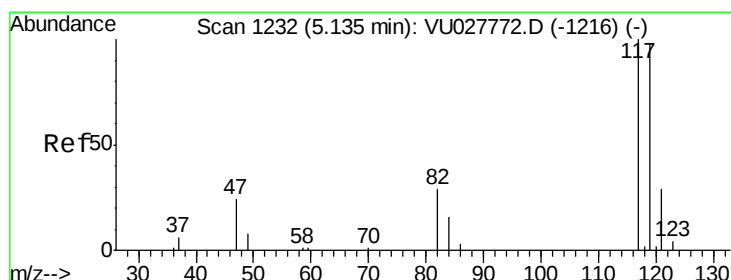
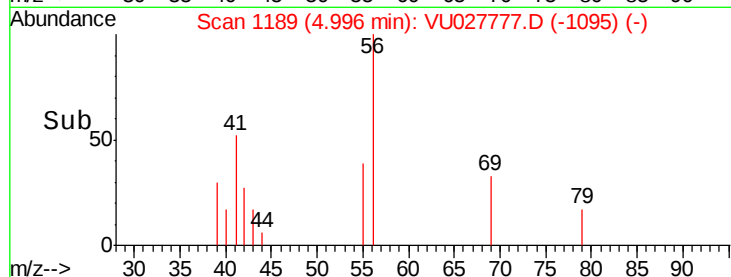
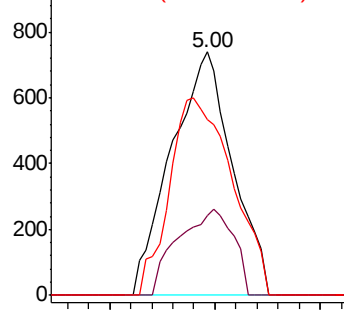
84 83.2 58.6 88.0



Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0



#31

Carbon tetrachloride

Concen: 0.237 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU027777.D

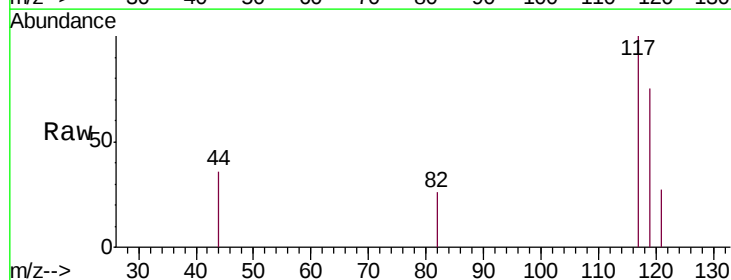
Acq: 24 Oct 2018 11:47

Tgt Ion: 117 Resp: 1154

Ion Ratio Lower Upper

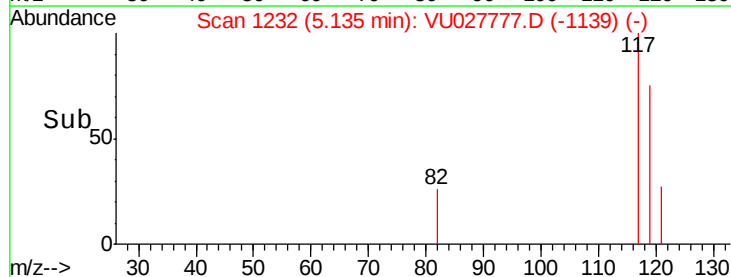
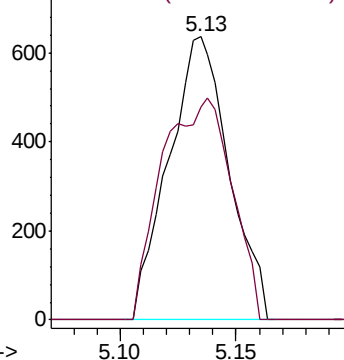
117 100

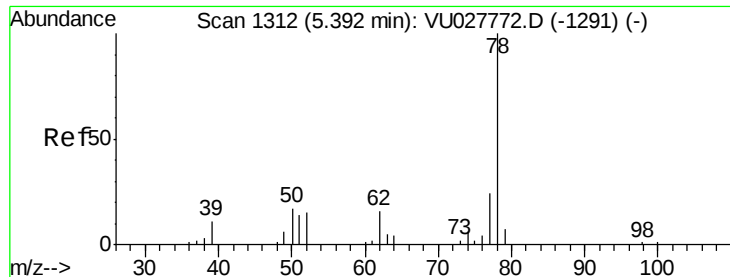
119 91.2 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

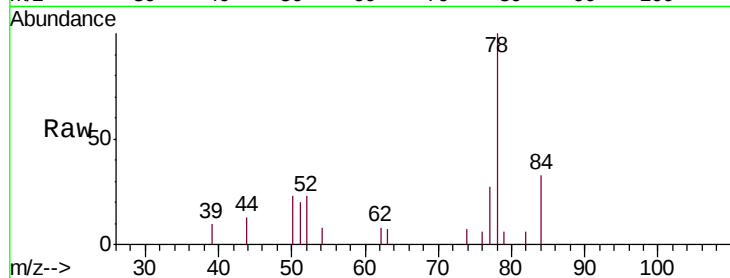




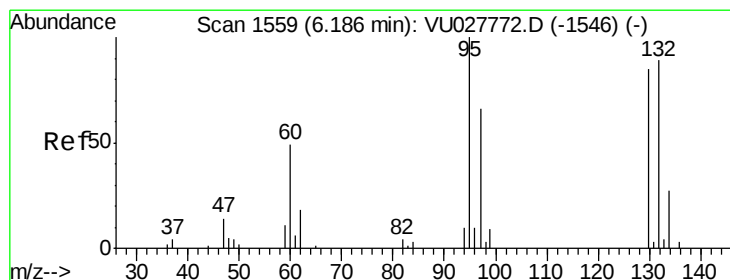
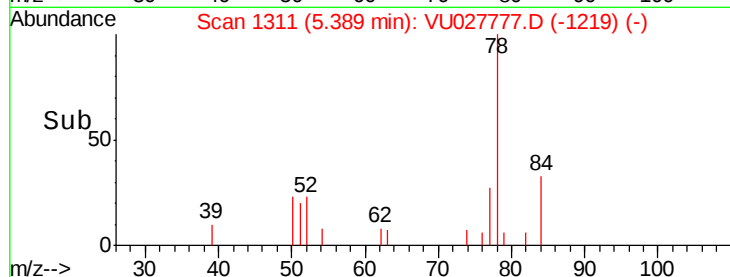
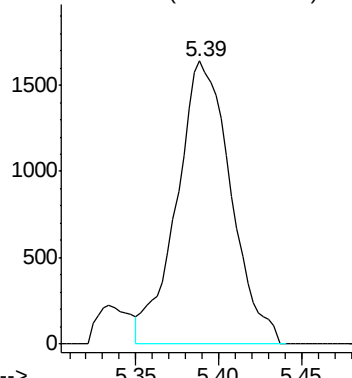
#33
Benzene
Concen: 0.284 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

Instrument :
MSVOA_U
ClientSampled :
MDL01

Tgt Ion: 78 Resp: 3715



Abundance Ion 78.10 (77.80 to 78.80): VU0

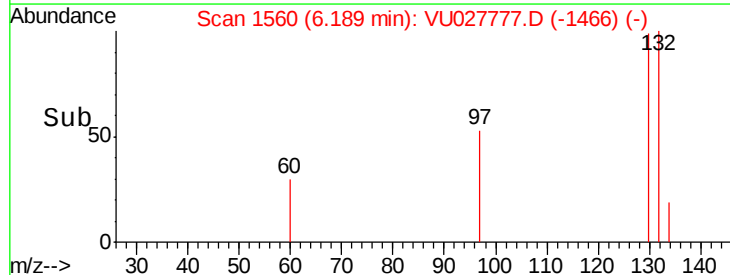
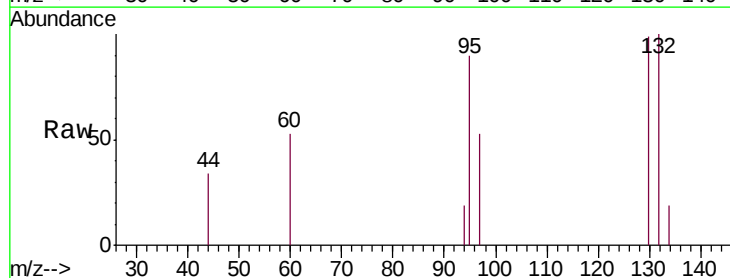
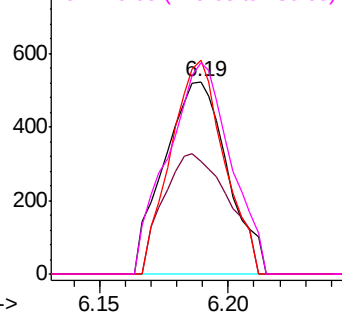


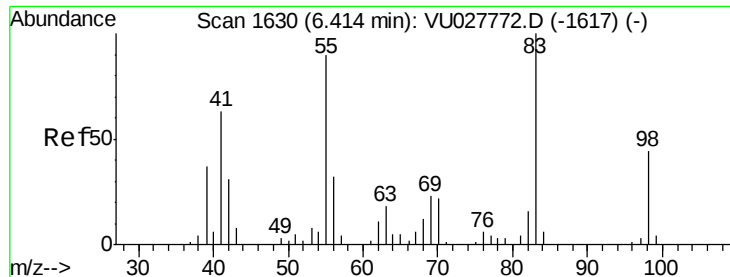
#34
Trichloroethene
Concen: 0.264 ug/L
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

Tgt Ion: 95 Resp: 896
Ion Ratio Lower Upper
95 100
97 58.4 46.4 86.2
132 110.9 62.0 115.2
130 109.7 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

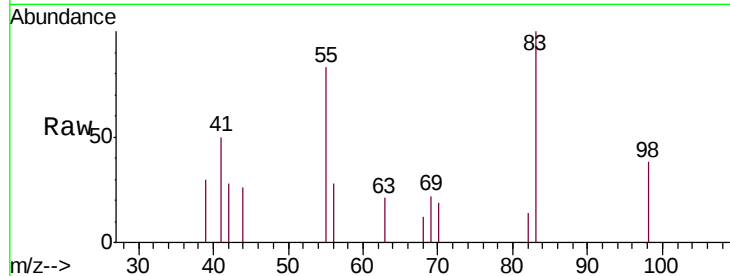




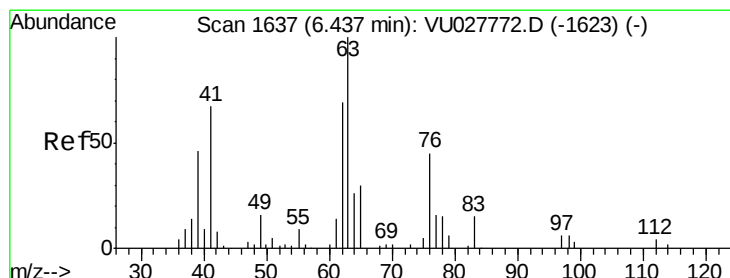
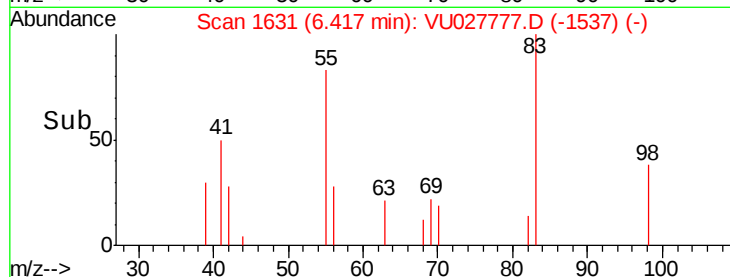
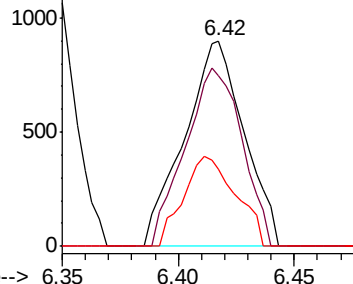
#35
Methylcyclohexane
Concen: 0.283 ug/L
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion: 83 Resp: 1605
Ion Ratio Lower Upper
83 100
55 82.7 71.5 107.3
98 38.4 35.4 53.0

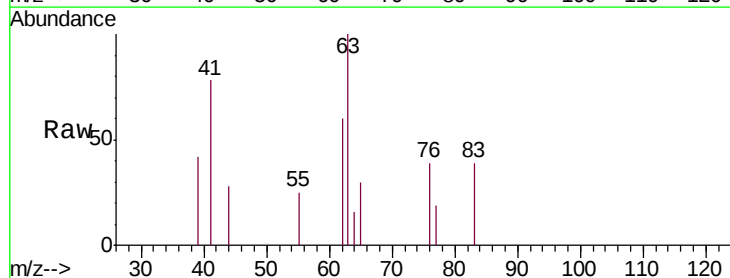


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

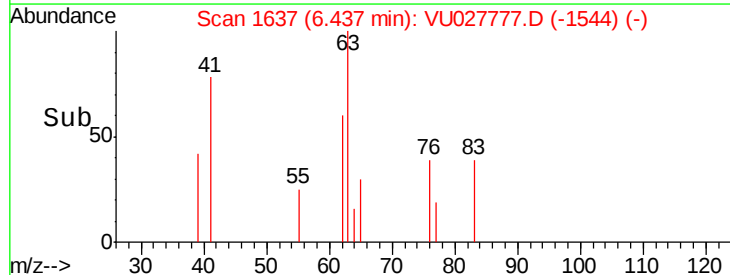
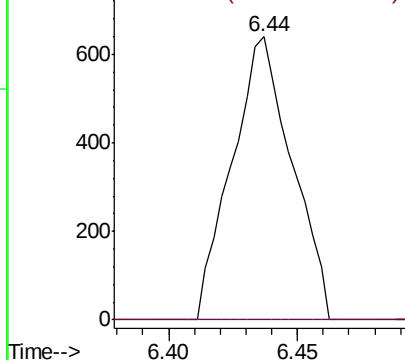


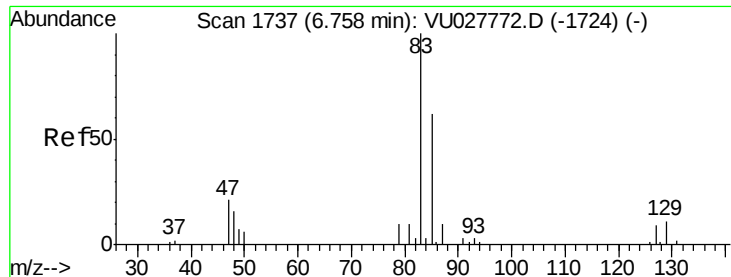
#37
1,2-Dichloropropane
Concen: 0.270 ug/L
RT: 6.44 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

Tgt Ion: 63 Resp: 1038
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

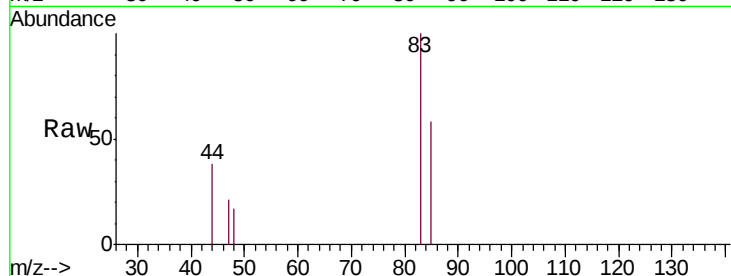




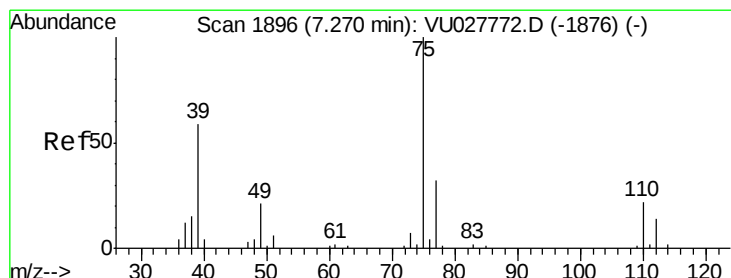
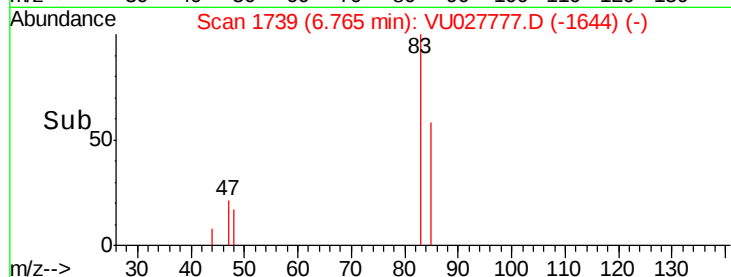
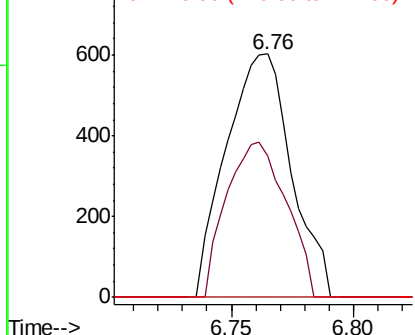
#38
 Bromodichloromethane
 Concen: 0.244 ug/L
 RT: 6.76 min Scan# 1739
 Delta R.T. 0.01 min
 Lab File: VU027777.D
 Acq: 24 Oct 2018 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tgt Ion: 83 Resp: 1120
 Ion Ratio Lower Upper
 83 100
 85 57.9 43.3 80.5
 127 0.0 7.2 10.8#

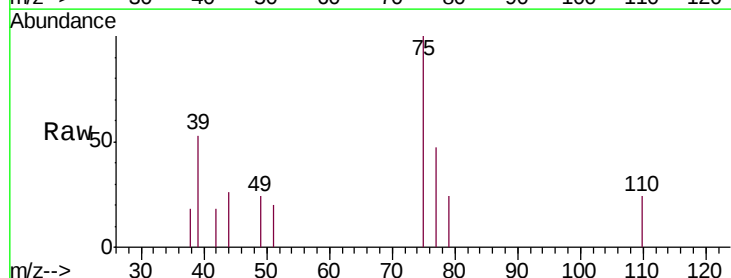


Abundance Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0
 Ion 126.90 (126.60 to 127.60): V

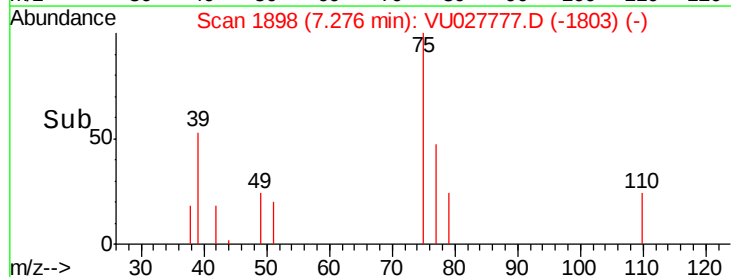
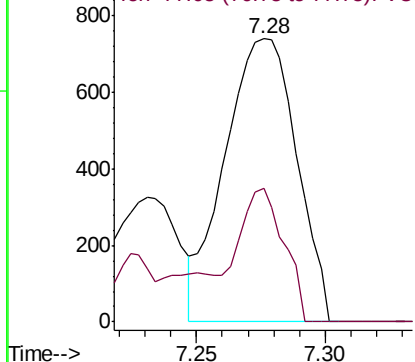


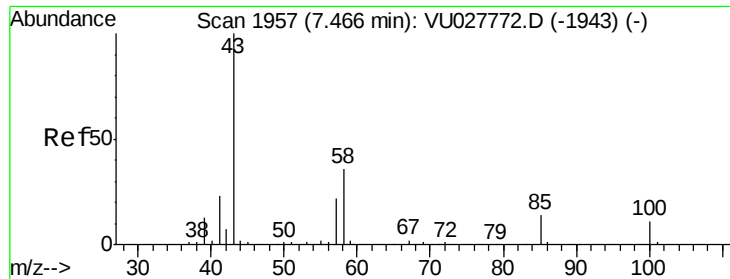
#39
 cis-1,3-Dichloropropene
 Concen: 0.262 ug/L
 RT: 7.28 min Scan# 1898
 Delta R.T. 0.01 min
 Lab File: VU027777.D
 Acq: 24 Oct 2018 11:47

Tgt Ion: 75 Resp: 1441
 Ion Ratio Lower Upper
 75 100
 77 47.0 22.5 41.7#



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0

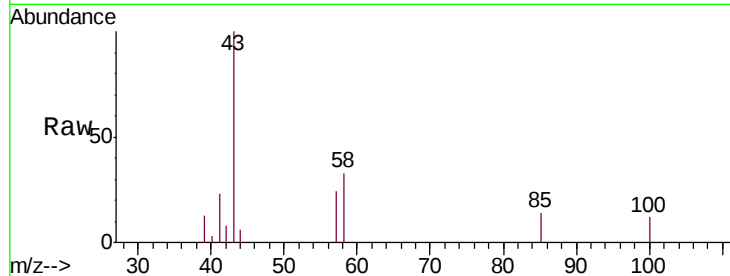




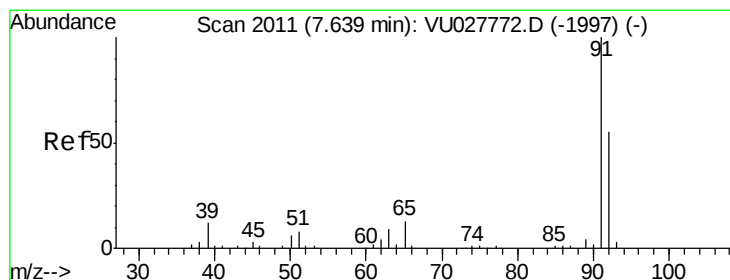
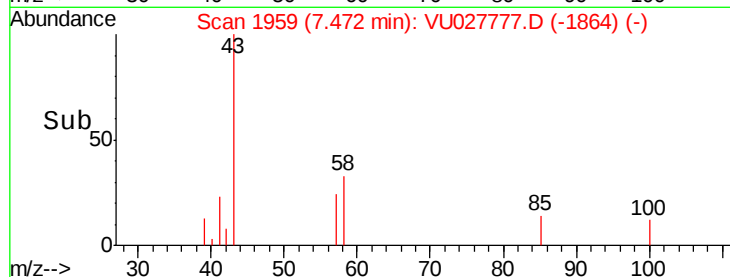
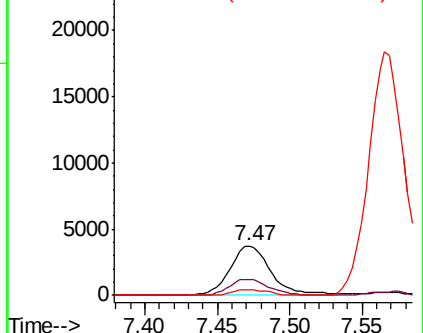
#40
4-Methyl-2-pentanone
Concen: 2.569 ug/L
RT: 7.47 min Scan# 1959
Delta R.T. 0.01 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion: 43 Resp: 7388
Ion Ratio Lower Upper
43 100
58 30.6 28.1 42.1
100 0.0 8.7 13.1#

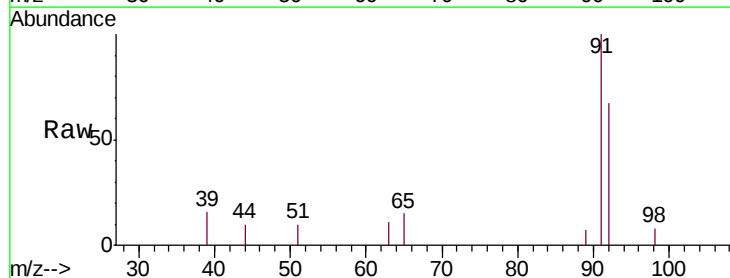


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 100.15 (99.85 to 100.85): VU0

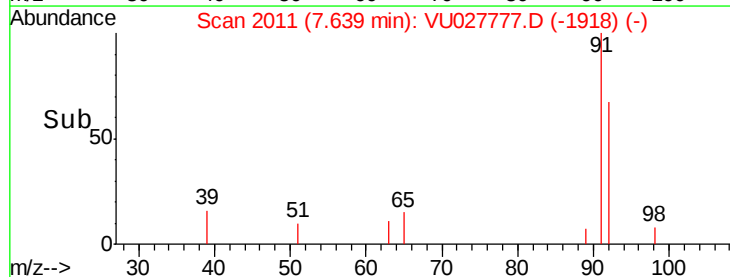
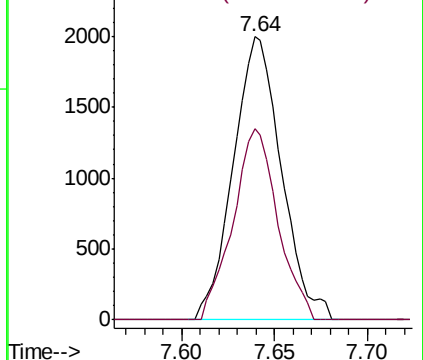


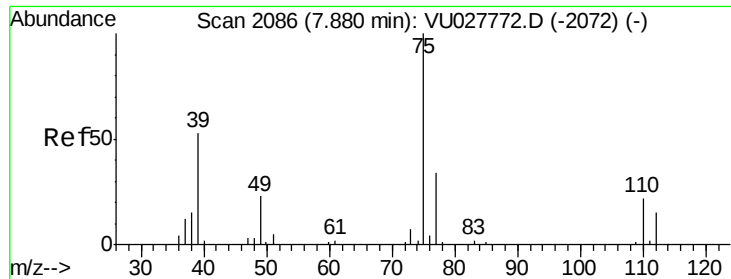
#42
Toluene
Concen: 0.256 ug/L
RT: 7.64 min Scan# 2011
Delta R.T. -0.00 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

Tgt Ion: 91 Resp: 3603
Ion Ratio Lower Upper
91 100
92 67.4 38.6 71.8



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.261 ug/L

RT: 7.89 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

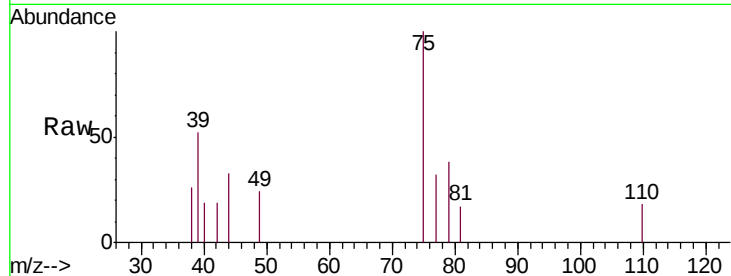
MDL01

Tgt Ion: 75 Resp: 1213

Ion Ratio Lower Upper

75 100

77 31.9 23.5 43.7



Abundance Ion 75.05 (74.75 to 75.75): VU027772.D (-2072) (-)

Ion 77.05 (76.75 to 77.75): VU027772.D (-2072) (-)

7.89

600

400

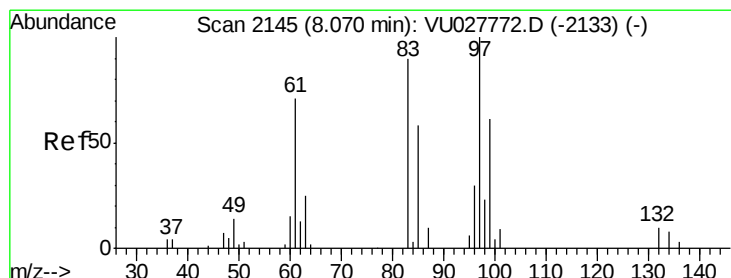
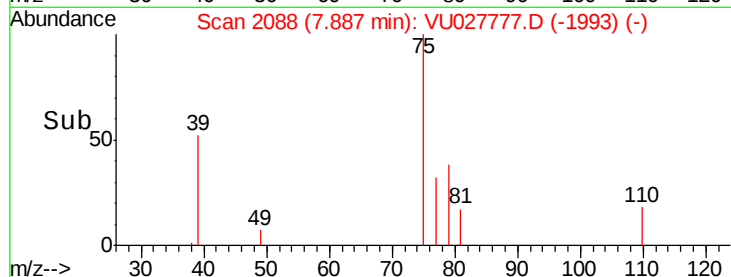
200

0

7.85

7.90

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.236 ug/L

RT: 8.07 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Tgt Ion: 97 Resp: 548

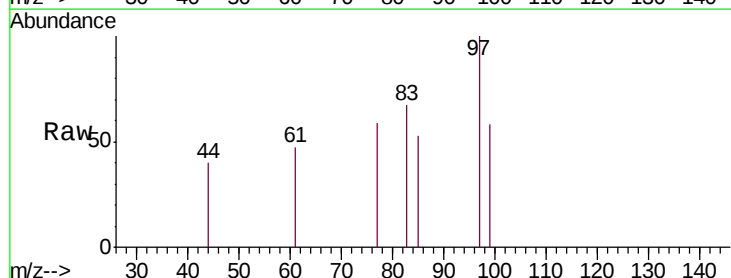
Ion Ratio Lower Upper

97 100

99 57.8 42.8 79.6

83 66.8 62.9 116.9

85 53.4 40.8 75.8



Abundance Ion 96.95 (96.65 to 97.65): VU027772.D (-2133) (-)

Ion 99.05 (98.75 to 99.75): VU027772.D (-2133) (-)

Ion 82.95 (82.65 to 83.65): VU027772.D (-2133) (-)

Ion 85.00 (84.70 to 85.70): VU027772.D (-2133) (-)

500

400

300

200

100

0

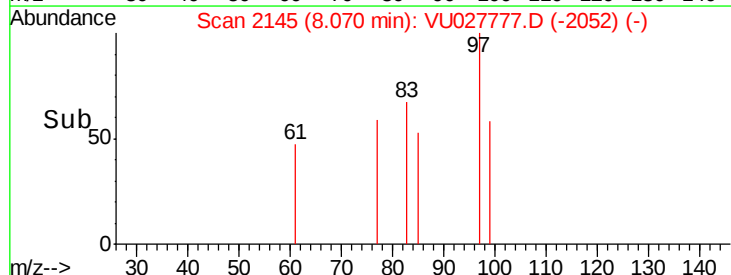
8.04

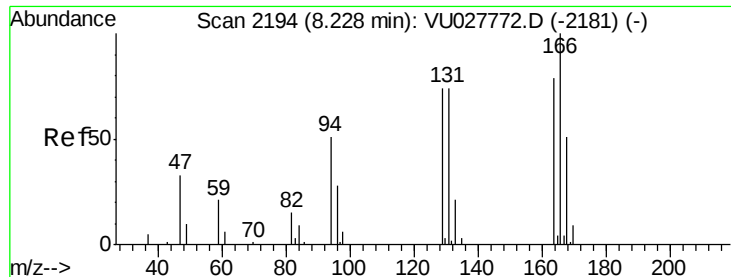
8.06

8.08

8.10

Time-->





#47

Tetrachloroethene

Concen: 0.233 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tgt Ion:164 Resp: 643

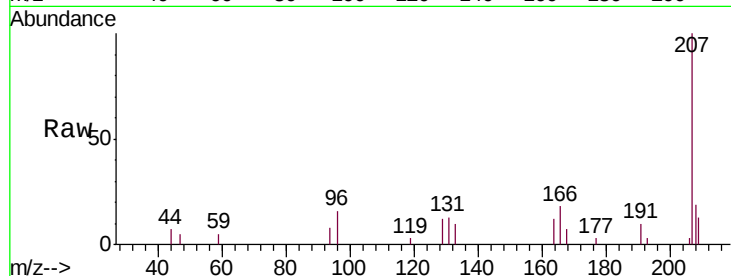
Ion Ratio Lower Upper

164 100

129 96.7 65.6 121.8

131 106.7 65.0 120.8

166 151.5 88.3 164.1

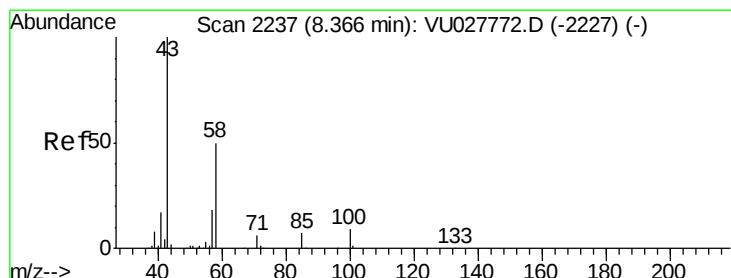
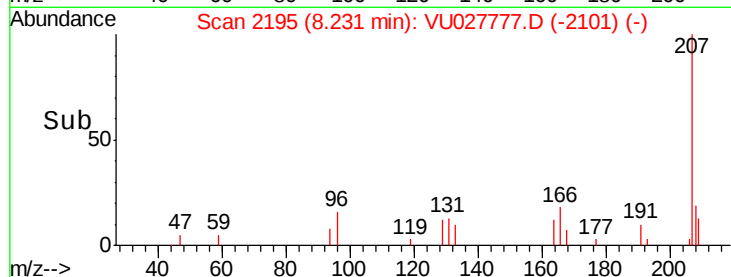
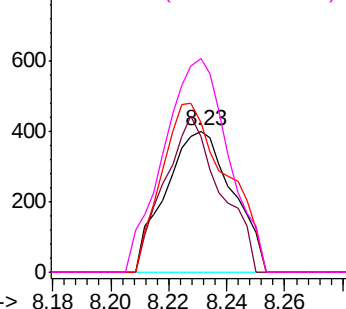


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 3.188 ug/L

RT: 8.37 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Tgt Ion: 43 Resp: 6514

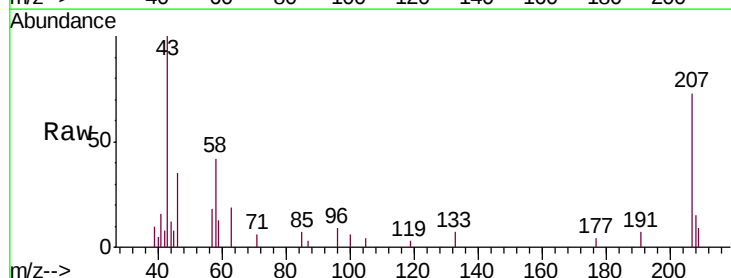
Ion Ratio Lower Upper

43 100

58 42.5 39.4 59.0

57 16.5 13.8 20.8

100 6.0 6.7 10.1#

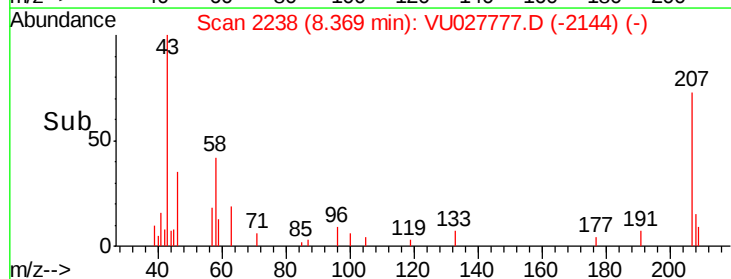
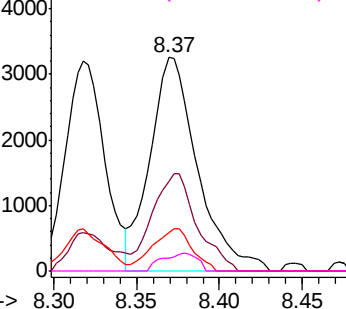


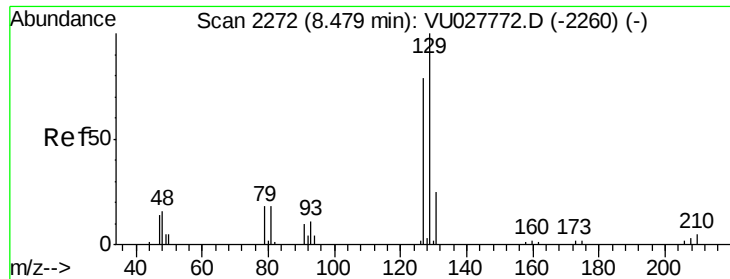
Abundance Ion 43.05 (42.75 to 43.75): VU0

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





#49

Dibromochloromethane

Concen: 0.228 ug/L

RT: 8.48 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

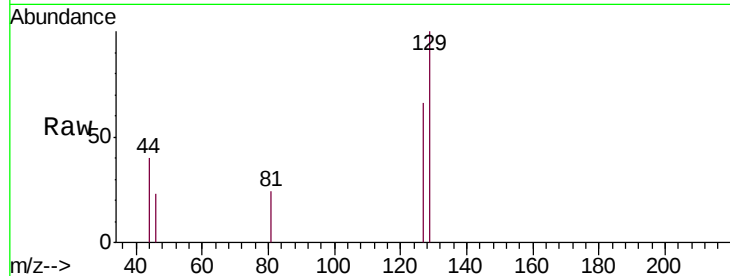
MDL01

Tgt Ion:129 Resp: 674

Ion Ratio Lower Upper

129 100

127 66.2 55.2 102.4



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.48

400

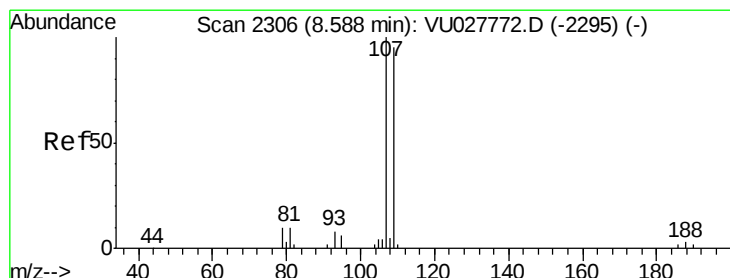
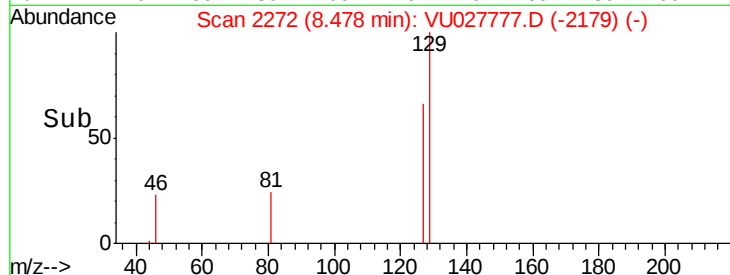
300

200

100

0

Time-->



#50

1,2-Dibromoethane

Concen: 0.238 ug/L

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

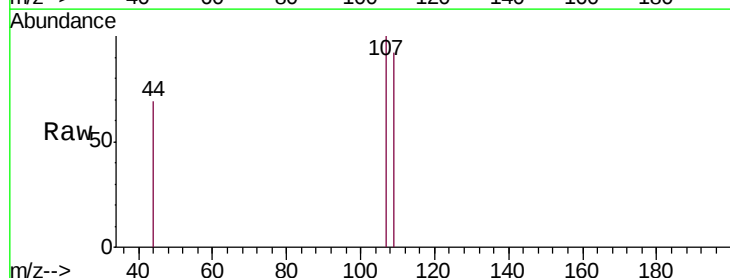
Tgt Ion:107 Resp: 538

Ion Ratio Lower Upper

107 100

109 92.0 66.3 123.1

188 0.0 2.6 3.8#



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V

8.59

400

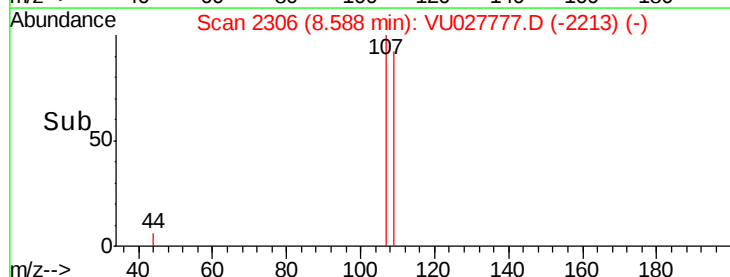
300

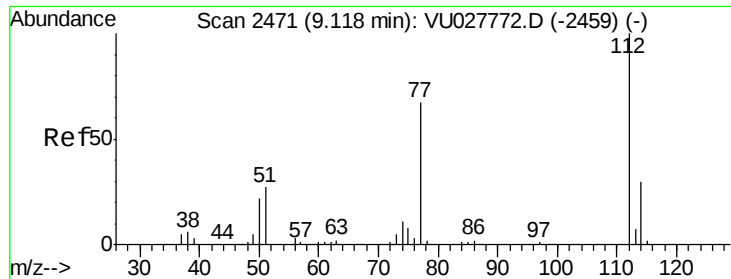
200

100

0

Time-->

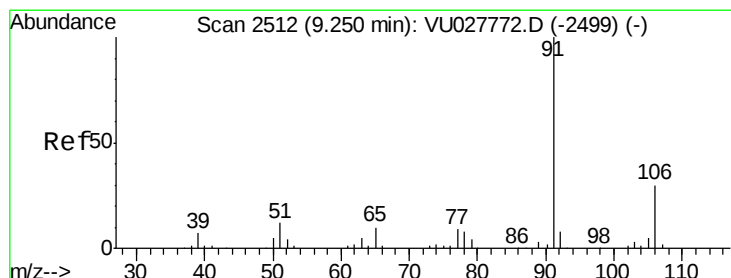
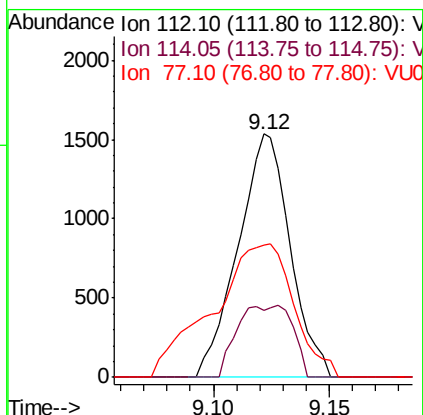
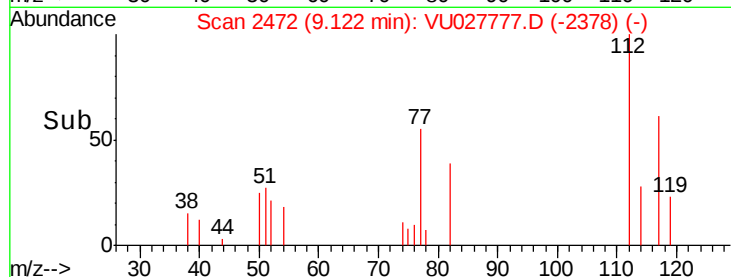
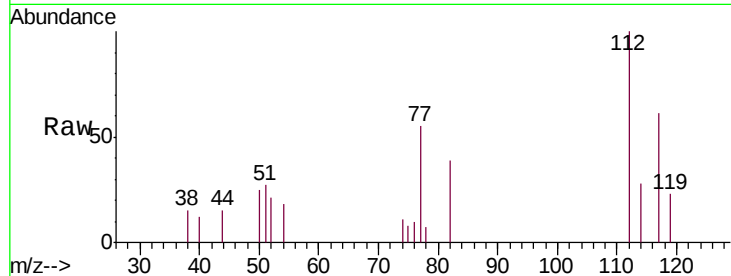




#51
Chlorobenzene
Concen: 0.276 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

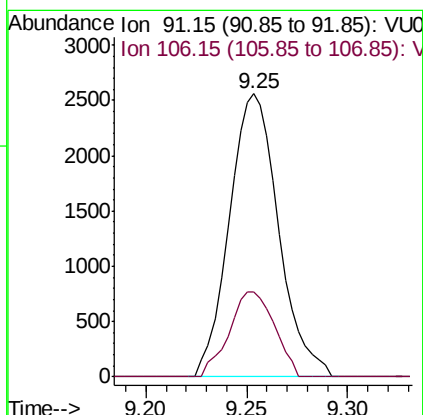
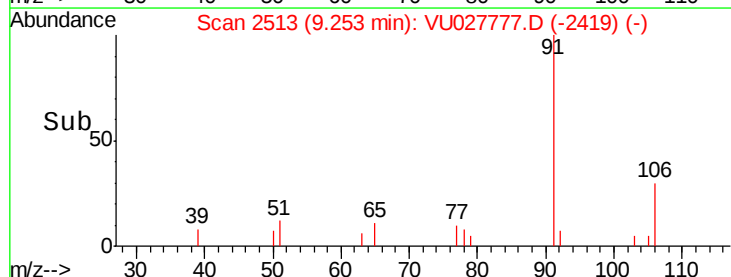
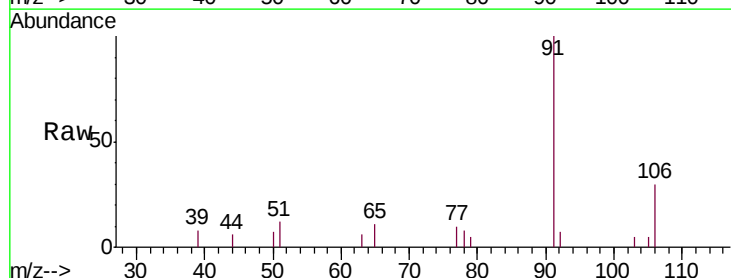
Instrument :
MSVOA_U
ClientSampleId :
MDL01

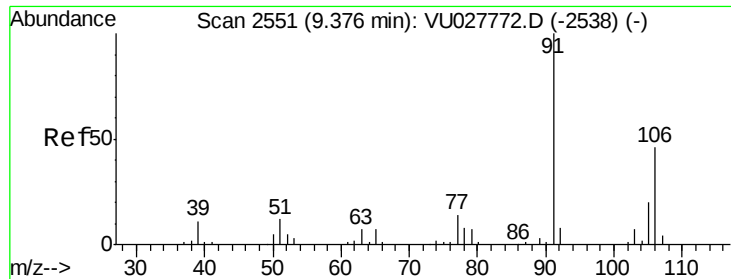
Tgt Ion: 112 Resp: 2397
Ion Ratio Lower Upper
112 100
114 27.6 21.2 39.4
77 54.6 54.2 81.4



#52
Ethylbenzene
Concen: 0.267 ug/L
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

Tgt Ion: 91 Resp: 4372
Ion Ratio Lower Upper
91 100
106 29.9 20.6 38.4





#53

m,p-xylene

Concen: 0.240 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

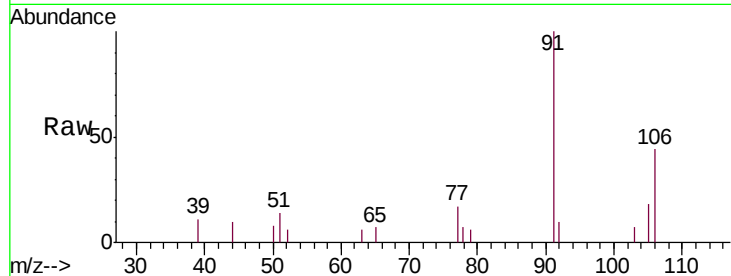
MDL01

Tgt Ion:106 Resp: 1390

Ion Ratio Lower Upper

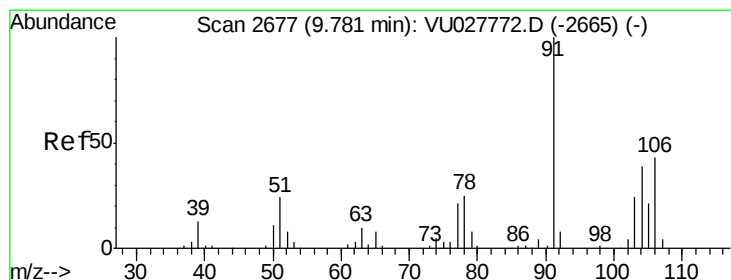
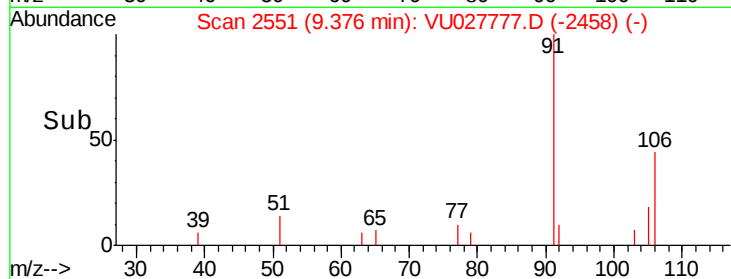
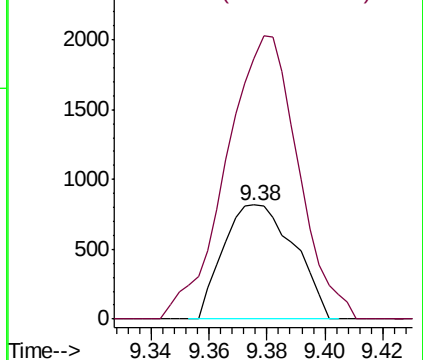
106 100

91 228.0 154.1 286.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-xylene

Concen: 0.251 ug/L

RT: 9.78 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VU027777.D

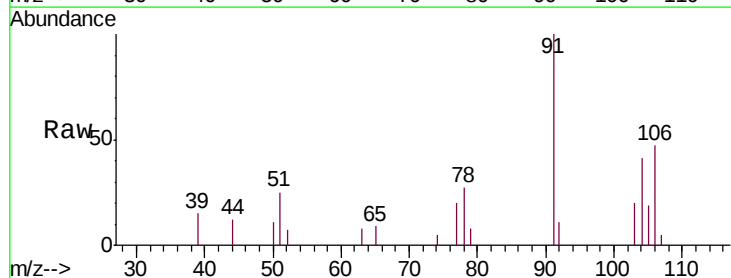
Acq: 24 Oct 2018 11:47

Tgt Ion:106 Resp: 1418

Ion Ratio Lower Upper

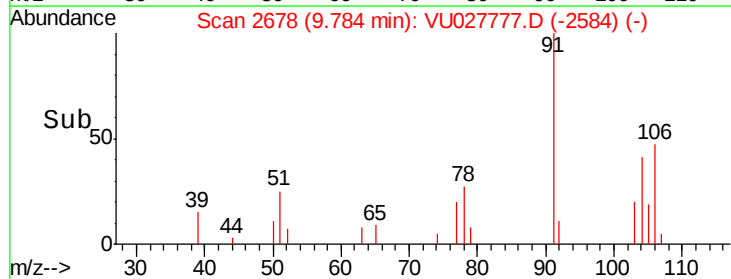
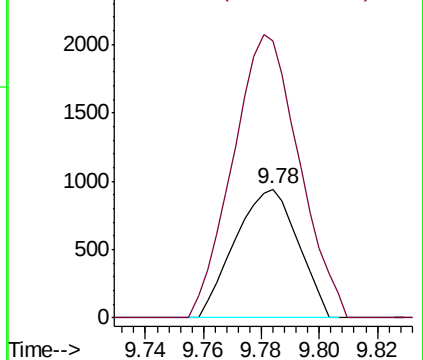
106 100

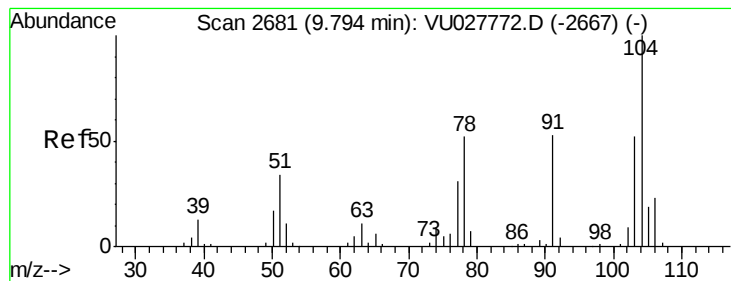
91 214.6 161.3 299.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#55

Styrene

Concen: 0.247 ug/L

RT: 9.80 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

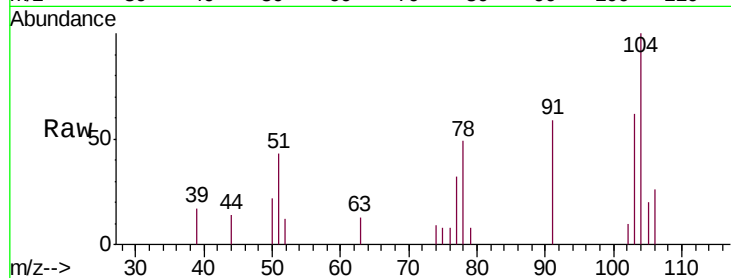
MDL01

Tgt Ion:104 Resp: 2371

Ion Ratio Lower Upper

104 100

78 49.0 36.3 67.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0

1500

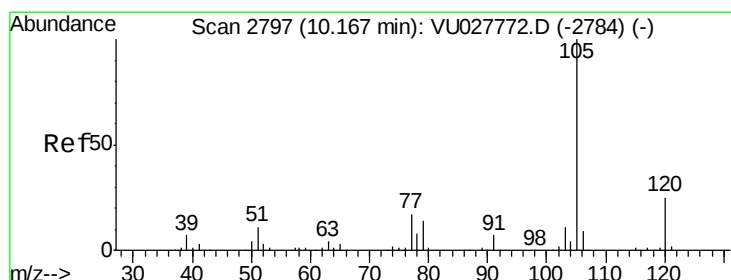
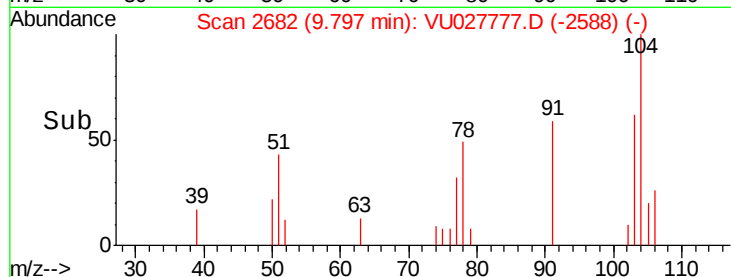
9.80

1000

500

0

Time-->



#56

Isopropylbenzene

Concen: 0.249 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

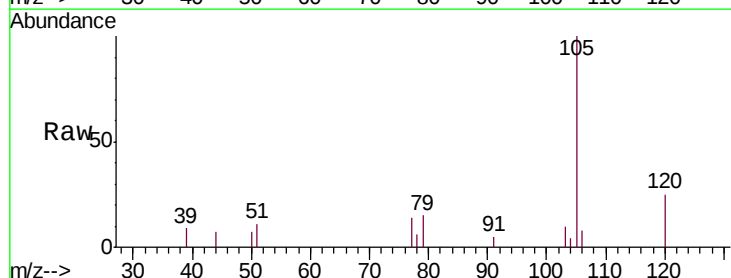
Tgt Ion:105 Resp: 3909

Ion Ratio Lower Upper

105 100

120 24.8 19.9 29.9

77 14.9 13.7 20.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0

3000

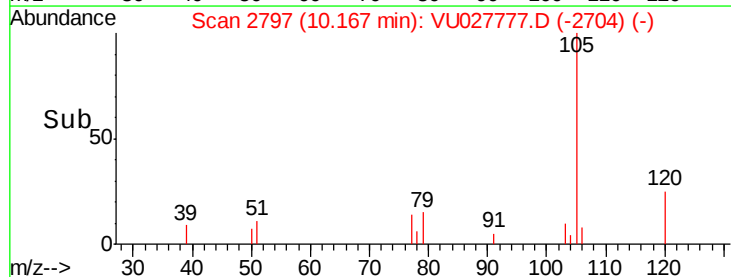
10.17

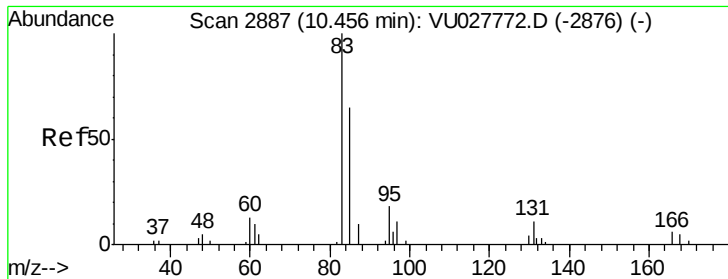
2000

1000

0

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 0.287 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

MDL01

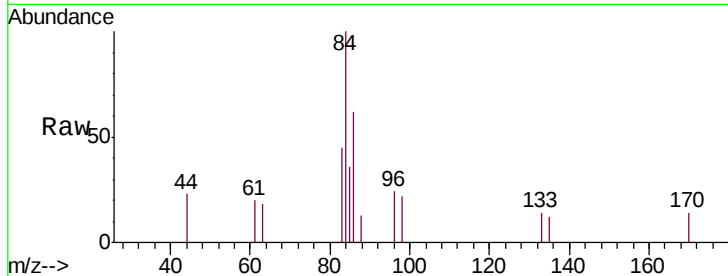
Tgt Ion: 83 Resp: 877

Ion Ratio Lower Upper

83 100

85 79.4 45.5 84.5

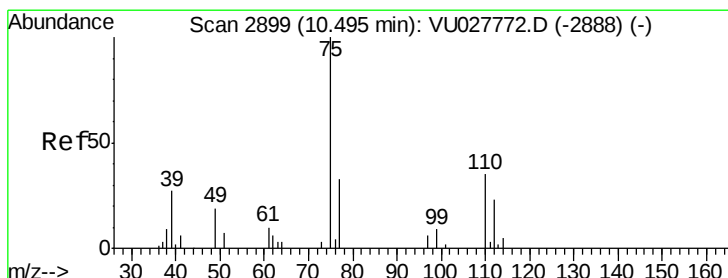
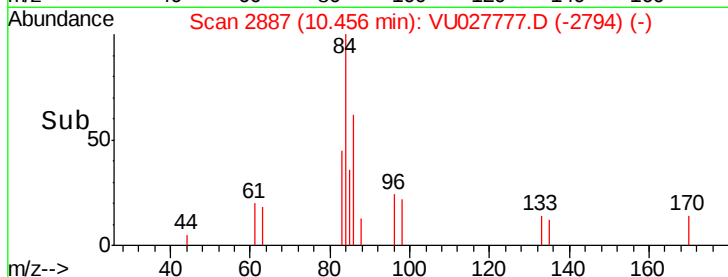
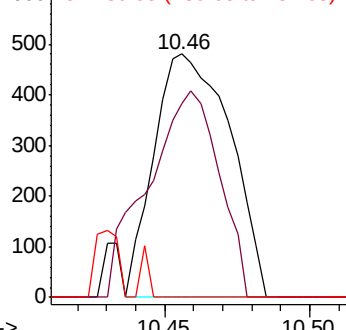
131 0.0 8.8 13.2#



Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V



#59

1,2,3-Trichloropropane

Concen: 1.209 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU027777.D

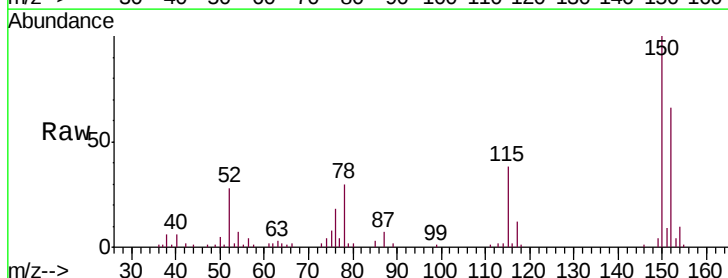
Acq: 24 Oct 2018 11:47

Tgt Ion: 75 Resp: 2927

Ion Ratio Lower Upper

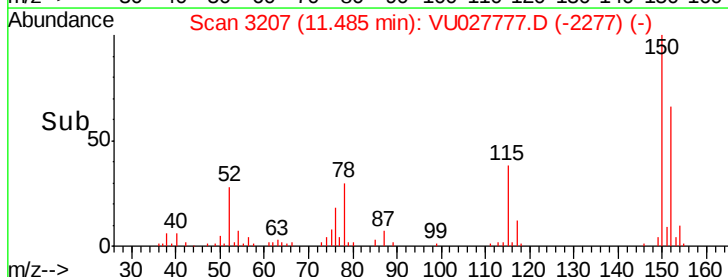
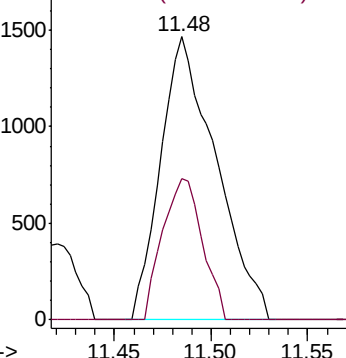
75 100

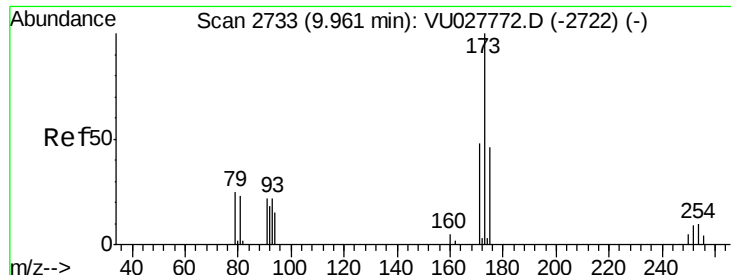
77 35.8 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

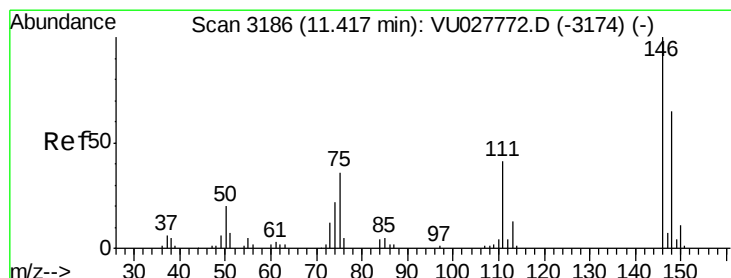
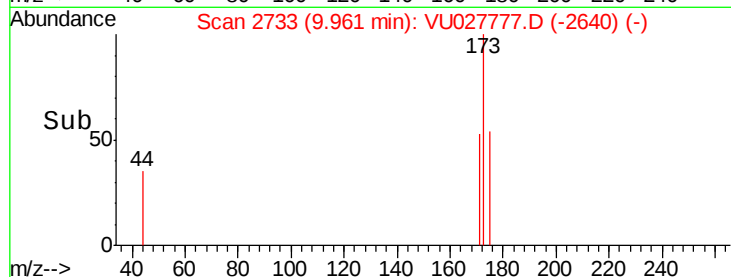
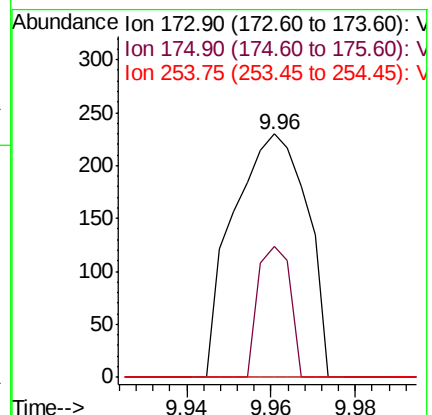
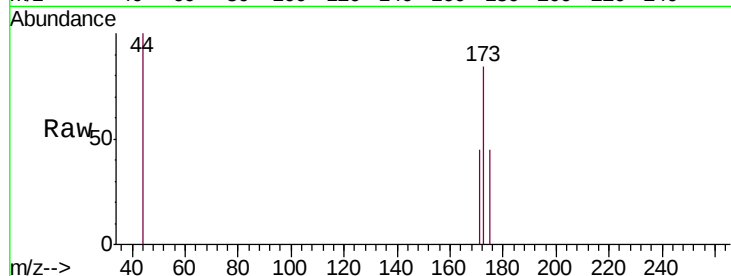




#61
Bromoform
Concen: 0.176 ug/L
RT: 9.96 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

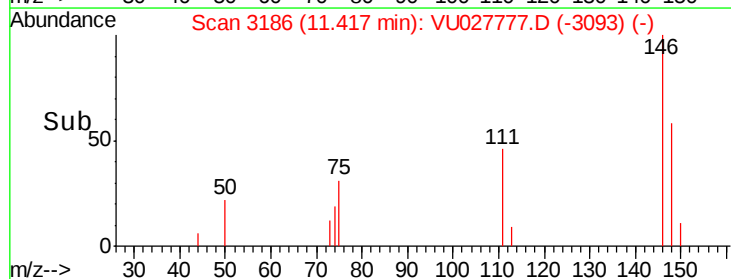
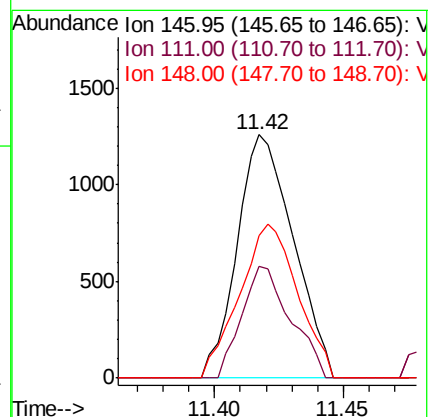
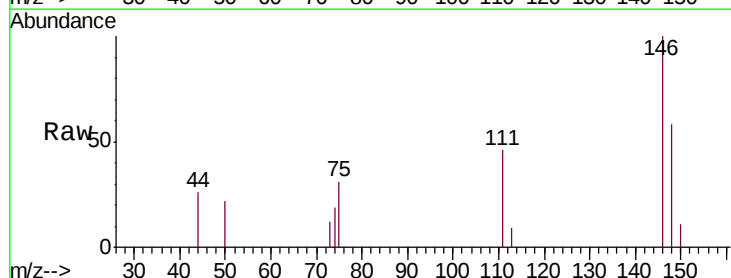
Instrument :
MSVOA_U
ClientSampleId :
MDL01

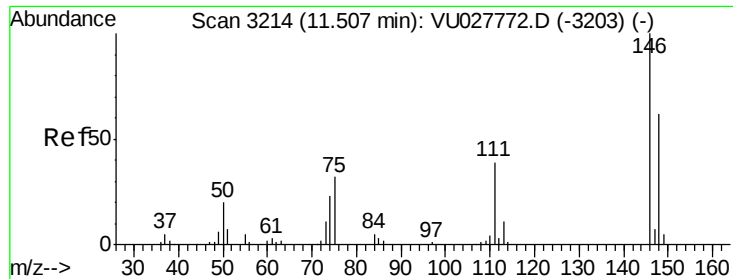
Tgt Ion:173 Resp: 277
Ion Ratio Lower Upper
173 100
175 23.8 37.7 56.5#
254 0.0 7.2 10.8#



#62
1,3-Dichlorobenzene
Concen: 0.289 ug/L
RT: 11.42 min Scan# 3186
Delta R.T. -0.00 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

Tgt Ion:146 Resp: 1905
Ion Ratio Lower Upper
146 100
111 45.8 28.6 53.0
148 58.4 45.1 83.9





#63

1,4-Dichlorobenzene

Concen: 0.289 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

MDL01

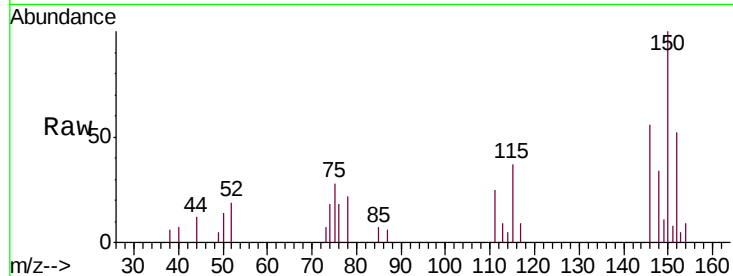
Tgt Ion:146 Resp: 1918

Ion Ratio Lower Upper

146 100

111 44.2 27.6 51.4

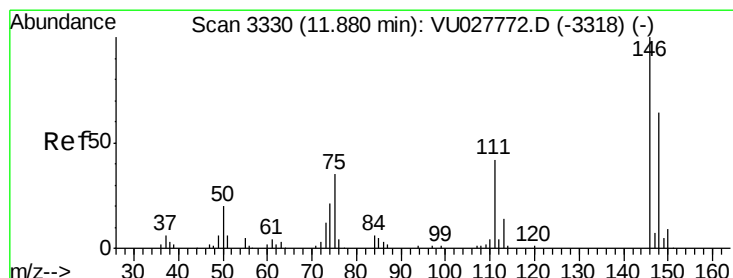
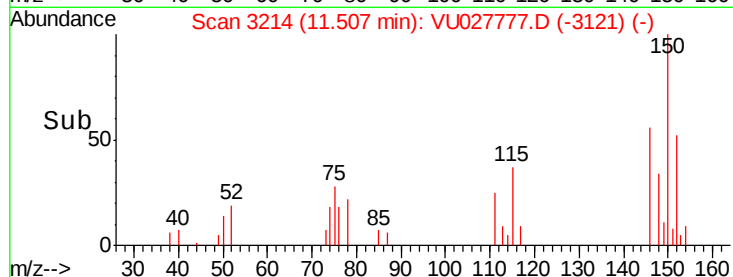
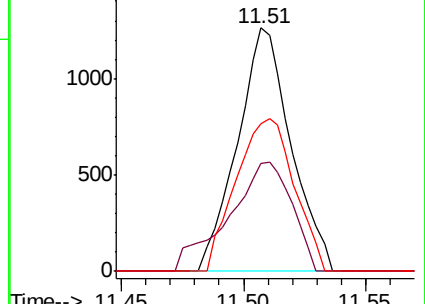
148 60.4 43.3 80.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 0.298 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

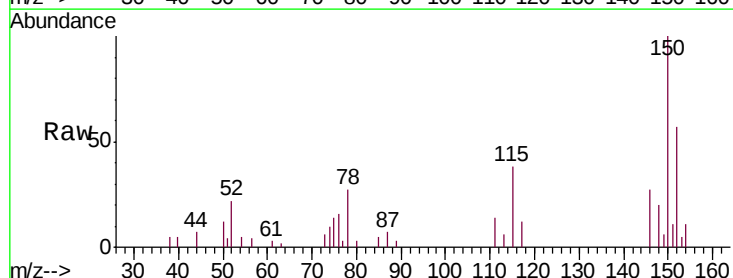
Tgt Ion:146 Resp: 1841

Ion Ratio Lower Upper

146 100

111 51.9 33.7 50.5#

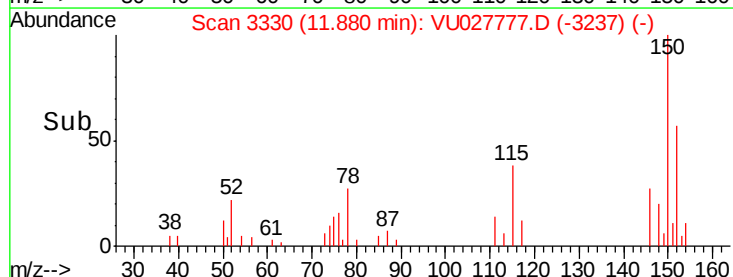
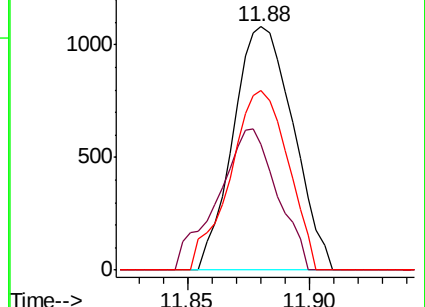
148 74.0 50.8 76.2

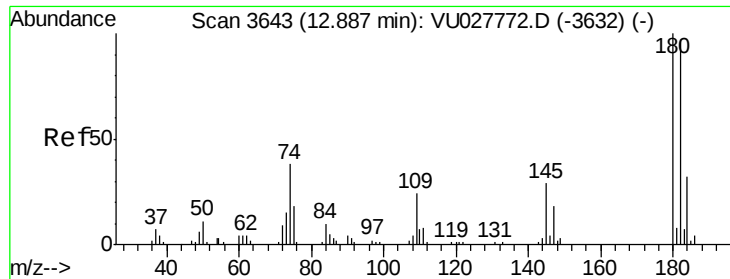


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

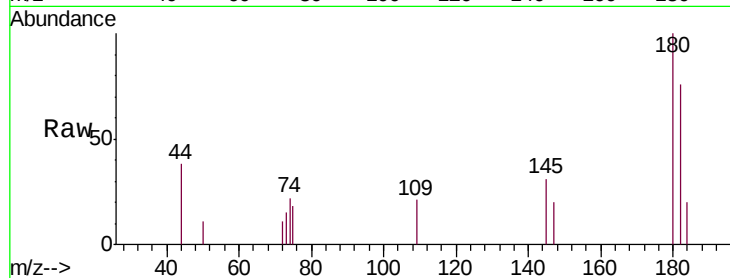




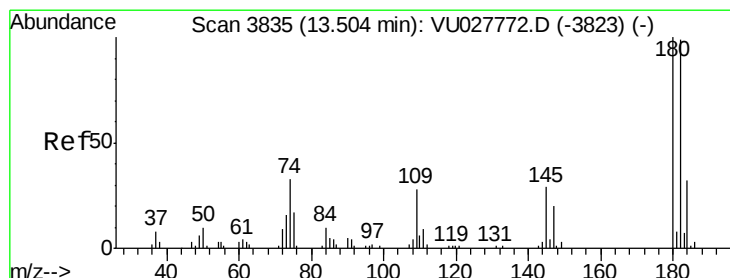
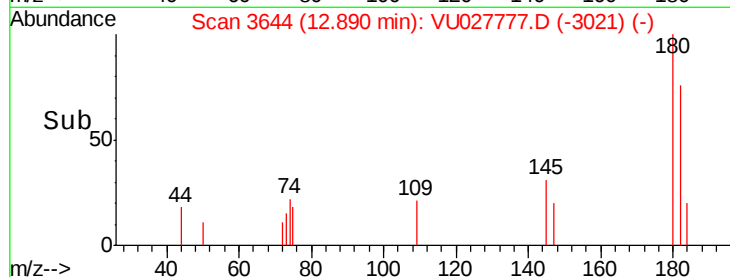
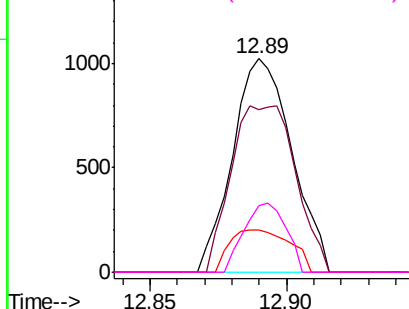
#67
 1,3,5-Trichlorobenzene
 Concen: 0.292 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU027777.D
 Acq: 24 Oct 2018 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tgt Ion:180 Resp: 1543
 Ion Ratio Lower Upper
 180 100
 182 84.8 78.9 118.3
 184 20.3 24.6 37.0#
 145 22.8 23.4 35.0#

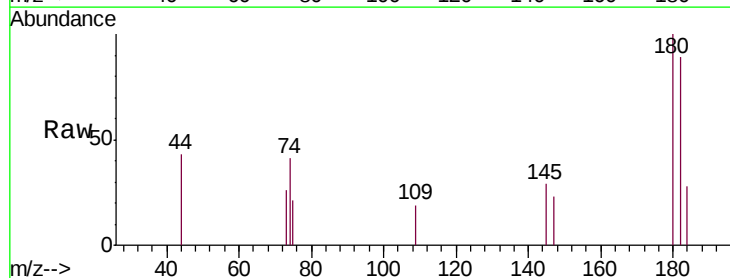


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

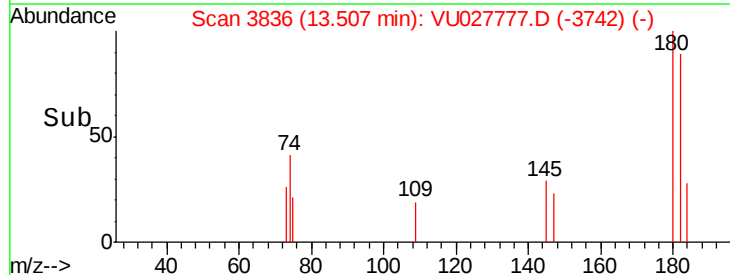
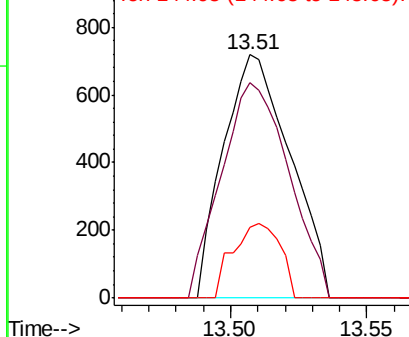


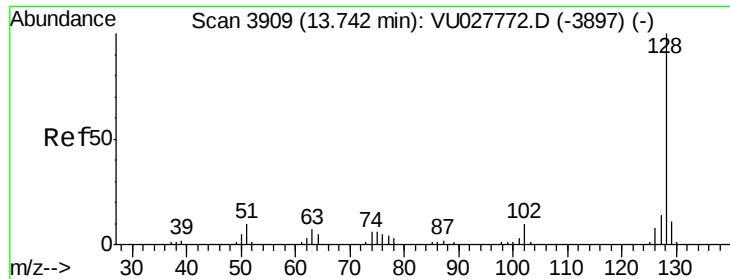
#68
 1,2,4-trichlorobenzene
 Concen: 0.267 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027777.D
 Acq: 24 Oct 2018 11:47

Tgt Ion:180 Resp: 1224
 Ion Ratio Lower Upper
 180 100
 182 89.5 77.6 116.4
 145 21.4 23.7 35.5#



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





#69

Naphthalene

Concen: 0.229 ug/L

RT: 13.75 min Scan# 3911

Delta R.T. 0.01 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

MDL01

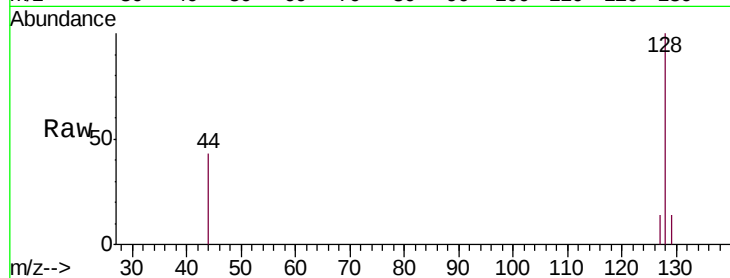
Tgt Ion:128 Resp: 1706

Ion Ratio Lower Upper

128 100

129 2.6 8.8 13.2#

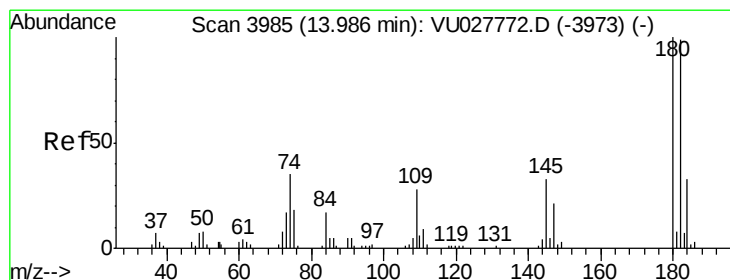
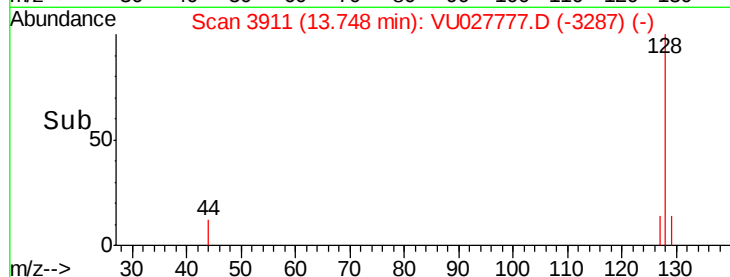
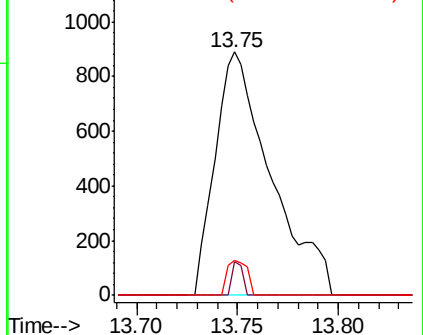
127 5.2 10.7 16.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.293 ug/L

RT: 13.99 min Scan# 3987

Delta R.T. 0.01 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

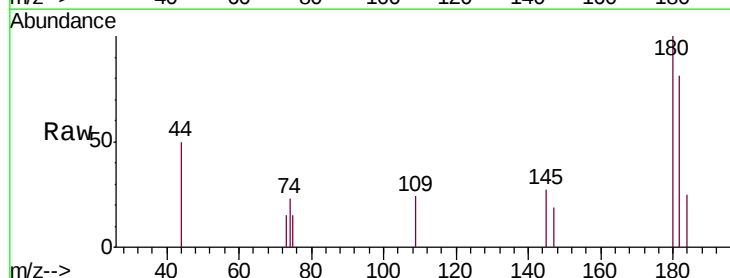
Tgt Ion:180 Resp: 1239

Ion Ratio Lower Upper

180 100

182 86.4 76.9 115.3

145 19.6 24.6 37.0#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

