

Data File : VU027778.D
Acq On : 24 Oct 2018 12:11
Operator : MD/SY
Sample : MDL02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Quant Time: Oct 25 04:37:36 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	40155	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	38763	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	19348	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	16099	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	1.68	69	12041	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.28	63	23812	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.00%
20) 2-Butanone-d5	4.22	46	53384	53.64	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.28%
24) Chloroform-d	4.65	84	28502	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.31	65	17589	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.34	84	56024	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
36) 1,2-Dichloropropane-d6	6.33	67	19628	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.00%
41) Toluene-d8	7.57	98	51634	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
43) trans-1,3-Dichloropropene-	7.85	79	7761	5.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.20%
46) 2-Hexanone-d5	8.32	63	43658	53.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.34%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	14360	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	18892	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	914	0.235 ug/L #	82
3) Chloromethane	1.33	50	1213	0.277 ug/L	96
5) Vinyl chloride	1.40	62	1147	0.273 ug/L #	61
6) Bromomethane	1.63	94	604	0.280 ug/L	97
8) Chloroethane	1.71	64	580	0.255 ug/L	97
9) Trichlorofluoromethane	1.89	101	1457	0.262 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	816	0.291 ug/L #	85
12) 1,1-Dichloroethene	2.28	96	701	0.268 ug/L #	1
13) Acetone	2.36	43	2481	3.458 ug/L	86
14) Carbon disulfide	2.48	76	2378	0.265 ug/L	100
15) Methyl Acetate	2.63	43	722	0.360 ug/L #	57
16) Methylene chloride	2.71	84	1244	0.403 ug/L	93
17) Methyl tert-butyl Ether	3.01	73	2218	0.265 ug/L #	81
18) trans-1,2-Dichloroethene	2.98	96	743	0.265 ug/L	86
19) 1,1-Dichloroethane	3.45	63	1513	0.244 ug/L	89
21) 2-Butanone	4.30	43	3499	2.972 ug/L #	76
22) cis-1,2-Dichloroethene	4.23	96	763	0.229 ug/L	82

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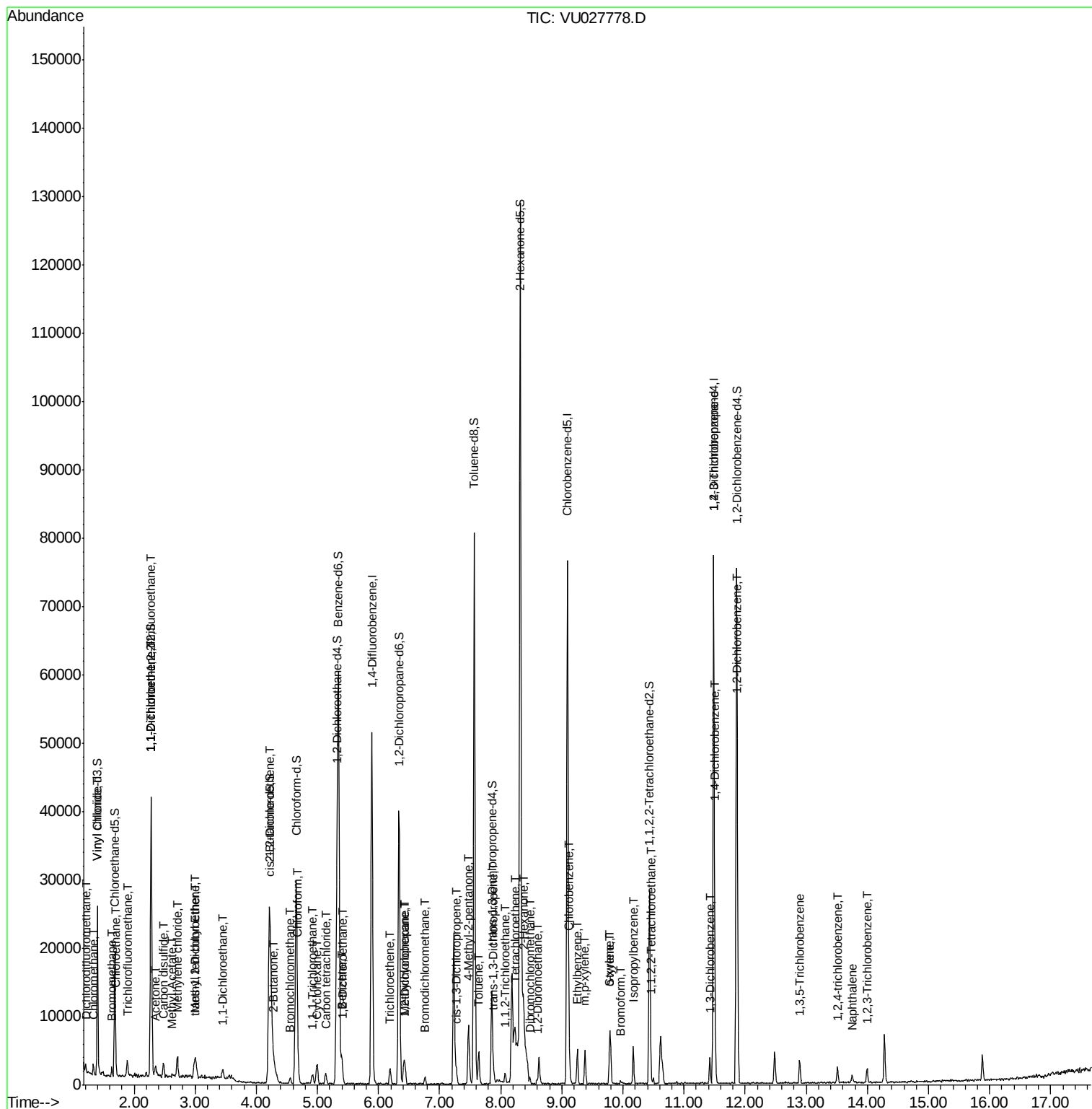
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.56	128	310	0.230	ug/L #	66
25) Chloroform	4.68	83	1771	0.284	ug/L	100
27) 1,2-Dichloroethane	5.42	62	1118	0.242	ug/L #	79
29) 1,1,1-Trichloroethane	4.92	97	1416	0.254	ug/L	92
30) Cyclohexane	4.99	56	1630	0.261	ug/L #	94
31) Carbon tetrachloride	5.13	117	1164	0.243	ug/L	92
33) Benzene	5.40	78	3225	0.250	ug/L	100
34) Trichloroethene	6.19	95	929	0.278	ug/L	79
35) Methylcyclohexane	6.41	83	1428	0.256	ug/L #	92
37) 1,2-Dichloropropane	6.44	63	841	0.222	ug/L #	90
38) Bromodichloromethane	6.76	83	1019	0.226	ug/L #	83
39) cis-1,3-Dichloropropene	7.28	75	1476	0.272	ug/L	96
40) 4-Methyl-2-pentanone	7.47	43	7049	2.493	ug/L #	89
42) Toluene	7.64	91	3643	0.263	ug/L	93
44) trans-1,3-Dichloropropene	7.88	75	1239	0.272	ug/L	93
45) 1,1,2-Trichloroethane	8.07	97	511	0.224	ug/L	94
47) Tetrachloroethene	8.23	164	611	0.225	ug/L	87
48) 2-Hexanone	8.37	43	6057	3.015	ug/L #	95
49) Dibromochloromethane	8.48	129	620	0.213	ug/L	95
50) 1,2-Dibromoethane	8.59	107	504	0.227	ug/L #	90
51) Chlorobenzene	9.12	112	2138	0.250	ug/L	89
52) Ethylbenzene	9.25	91	3935	0.245	ug/L	100
53) m,p-xylene	9.38	106	1491	0.262	ug/L	88
54) o-xylene	9.78	106	1408	0.253	ug/L	88
55) Styrene	9.80	104	2230	0.237	ug/L	86
56) Isopropylbenzene	10.17	105	3723	0.242	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	682	0.227	ug/L #	76
59) 1,2,3-Trichloropropane	11.48	75	2939	1.234	ug/L	92
61) Bromoform	9.96	173	262	0.161	ug/L #	37
62) 1,3-Dichlorobenzene	11.42	146	1760	0.259	ug/L	94
63) 1,4-Dichlorobenzene	11.51	146	1922	0.280	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	1682	0.263	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.89	180	1407	0.258	ug/L	96
68) 1,2,4-trichlorobenzene	13.51	180	1143	0.241	ug/L #	86
69) Naphthalene	13.75	128	1758	0.228	ug/L #	78
70) 1,2,3-Trichlorobenzene	13.99	180	1011	0.231	ug/L	96

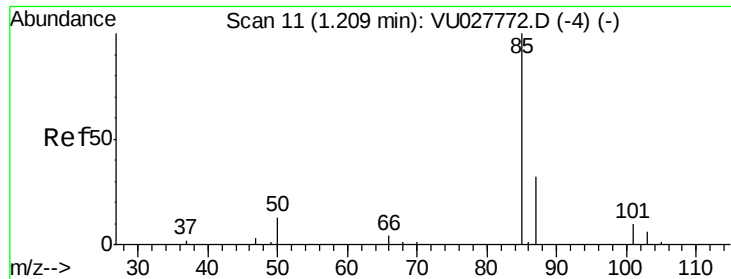
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.235 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027778.D

Acq: 24 Oct 2018 12:11

Instrument :

MSVOA_U

ClientSampleId :

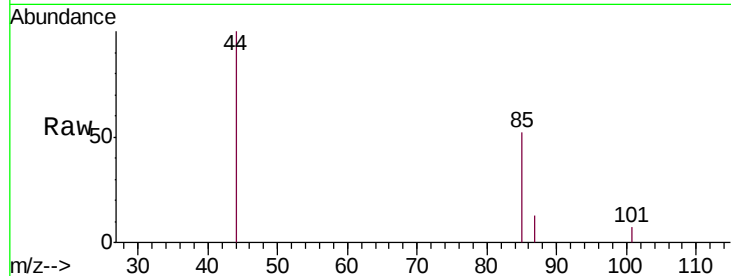
MDL02

Tgt Ion: 85 Resp: 914

Ion Ratio Lower Upper

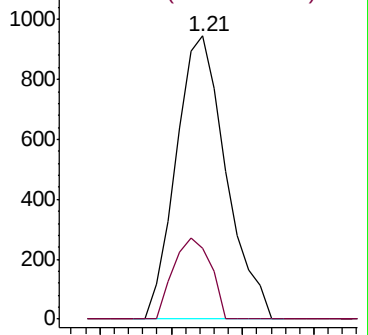
85 100

87 21.4 25.4 38.0#

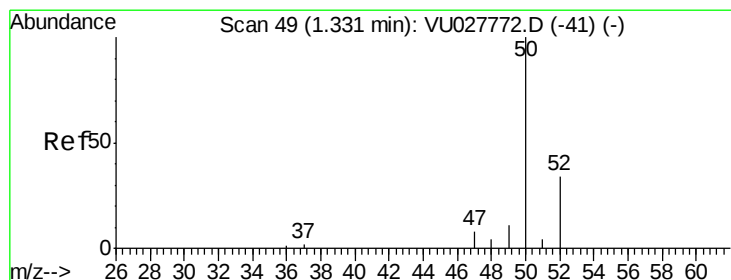
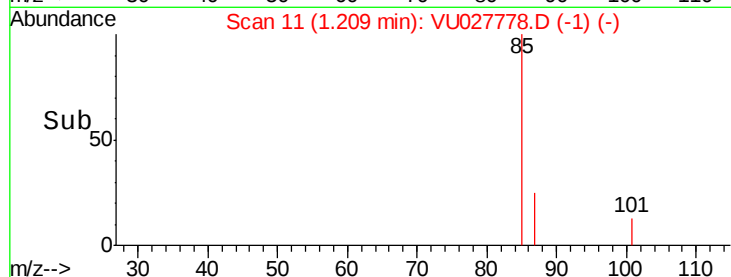


Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



Time-->



#3

Chloromethane

Concen: 0.277 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027778.D

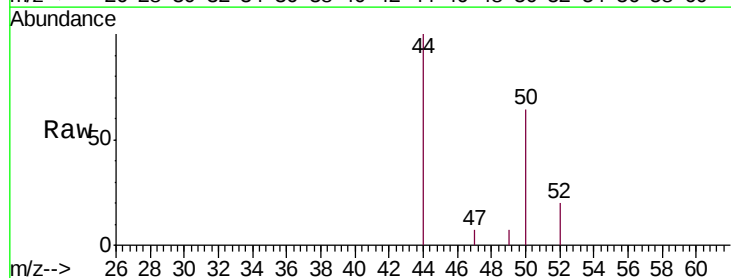
Acq: 24 Oct 2018 12:11

Tgt Ion: 50 Resp: 1213

Ion Ratio Lower Upper

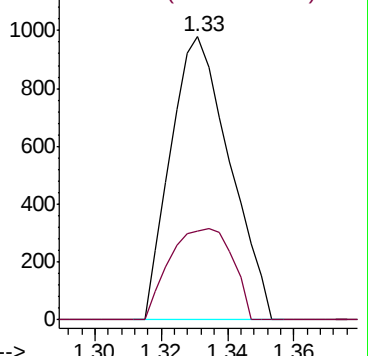
50 100

52 31.4 23.7 43.9

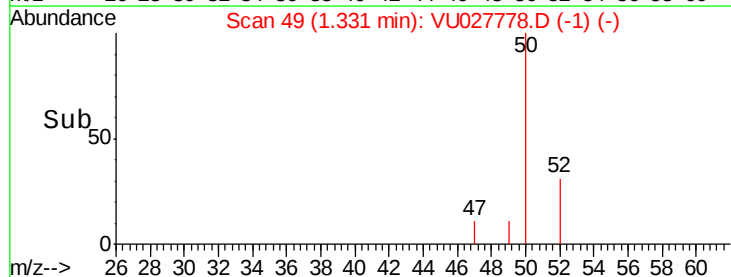


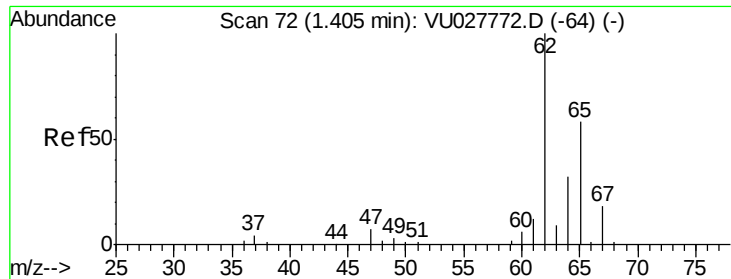
Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



Time-->





#5

Vinyl chloride

Concen: 0.273 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027778.D

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Instrument :

MSVOA_U

ClientSampleId :

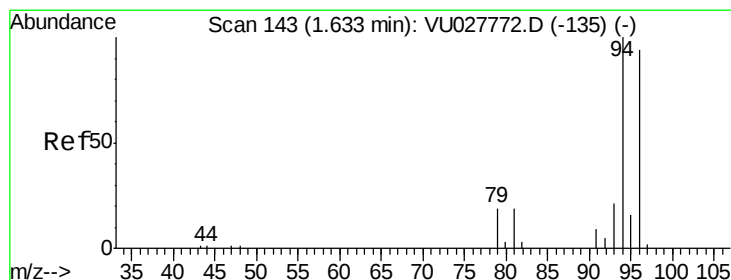
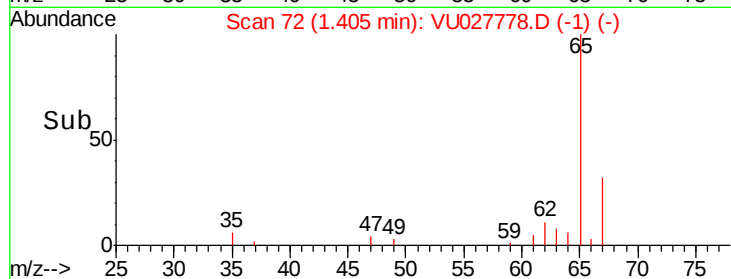
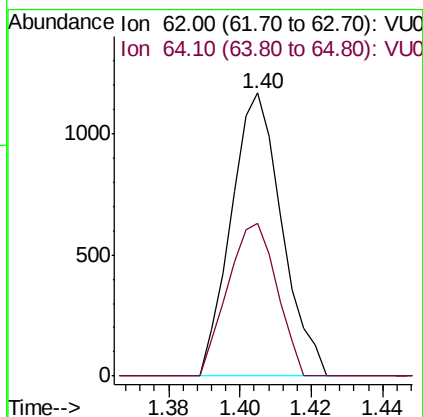
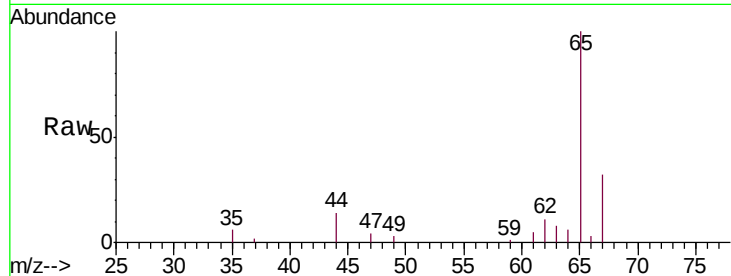
MDL02

Tgt Ion: 62 Resp: 1147

Ion Ratio Lower Upper

62 100

64 54.2 22.7 42.1#



#6

Bromomethane

Concen: 0.280 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027778.D

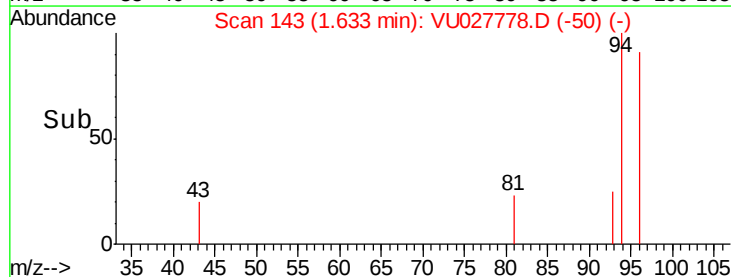
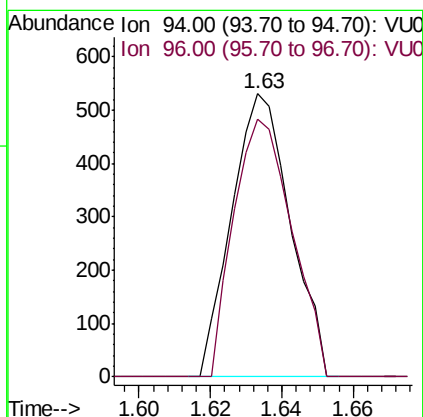
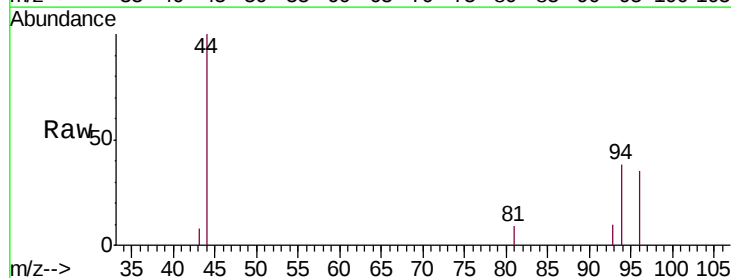
Acq: 24 Oct 2018 12:11

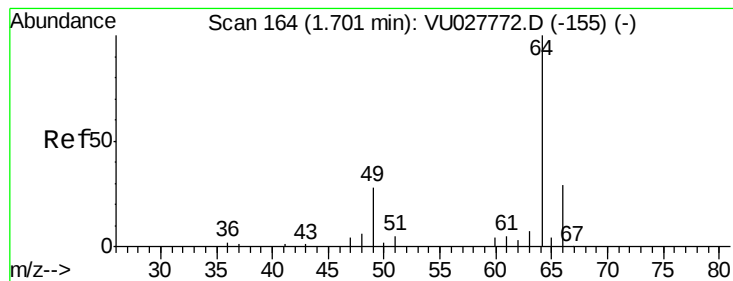
Tgt Ion: 94 Resp: 604

Ion Ratio Lower Upper

94 100

96 91.1 65.5 121.7





#8

Chloroethane

Concen: 0.255 ug/L

RT: 1.71 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU027778.D

Acq: 24 Oct 2018 12:11

Instrument :

MSVOA_U

ClientSampleId :

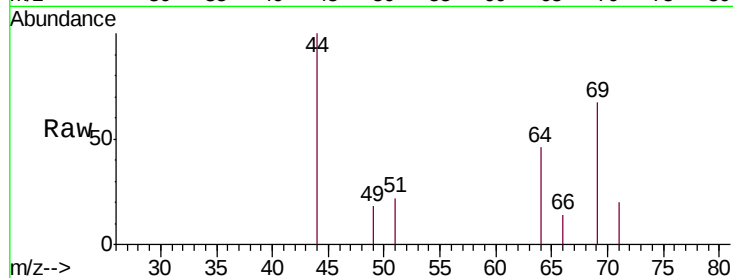
MDL02

Tgt Ion: 64 Resp: 580

Ion Ratio Lower Upper

64 100

66 30.8 20.3 37.7



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.71

500

400

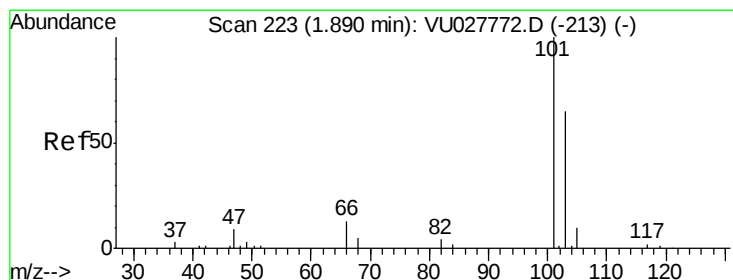
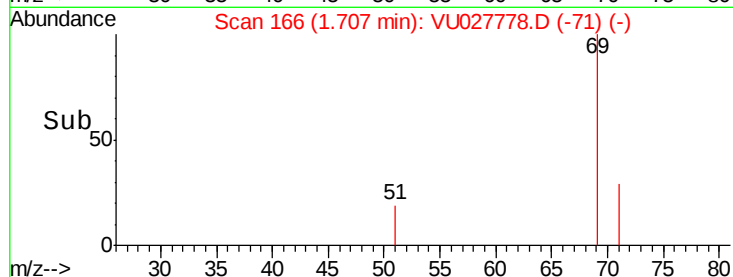
300

200

100

0

Time-->



#9

Trichlorofluoromethane

Concen: 0.262 ug/L

RT: 1.89 min Scan# 224

Delta R.T. 0.00 min

Lab File: VU027778.D

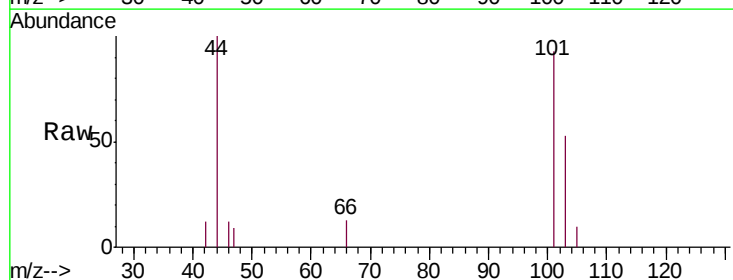
Acq: 24 Oct 2018 12:11

Tgt Ion: 101 Resp: 1457

Ion Ratio Lower Upper

101 100

103 60.4 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.89

1200

1000

800

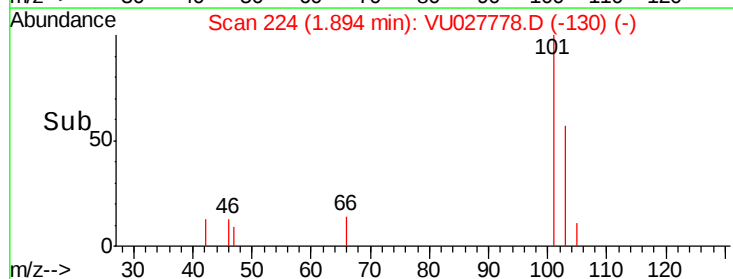
600

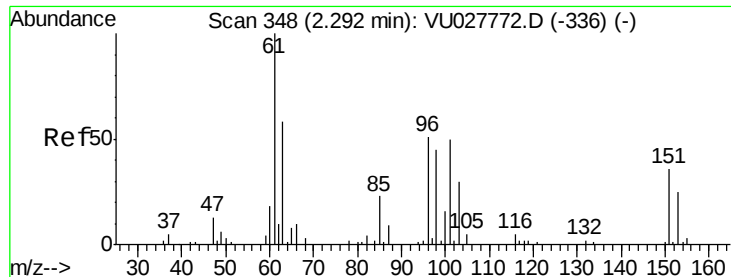
400

200

0

Time-->





#10

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

Concen: 0.291 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027778.D

Acq: 24 Oct 2018 12:11

Instrument :

MSVOA_U

ClientSampleId :

MDL02

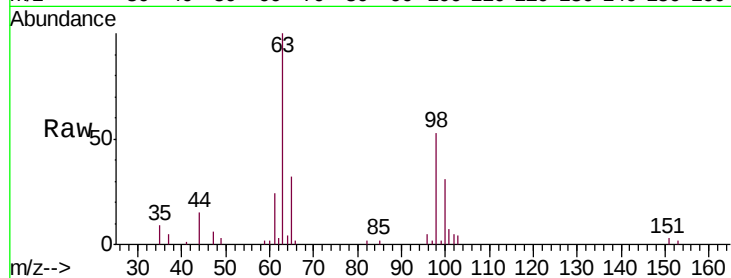
Tgt Ion: 101 Resp: 816

Ion Ratio Lower Upper

101 100

85 33.6 38.1 57.1#

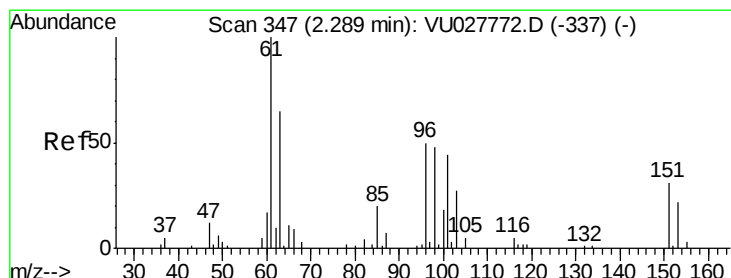
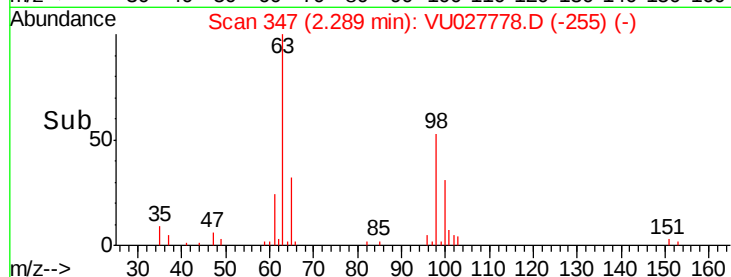
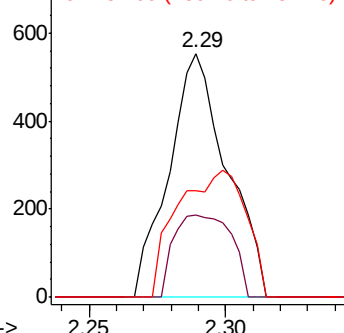
151 62.0 57.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.268 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.01 min

Lab File: VU027778.D

Acq: 24 Oct 2018 12:11

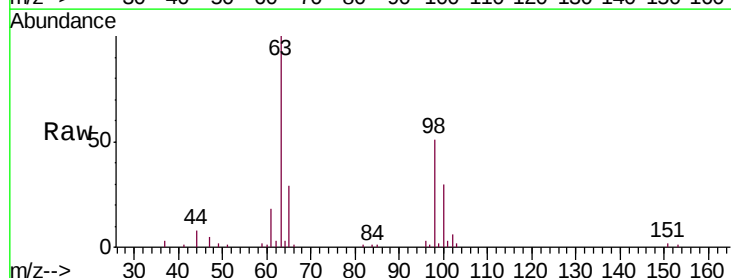
Tgt Ion: 96 Resp: 701

Ion Ratio Lower Upper

96 100

61 580.9 143.8 267.0#

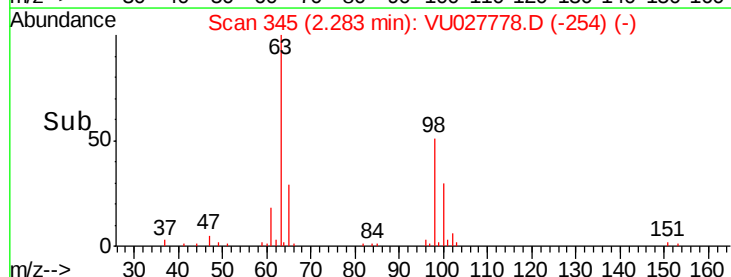
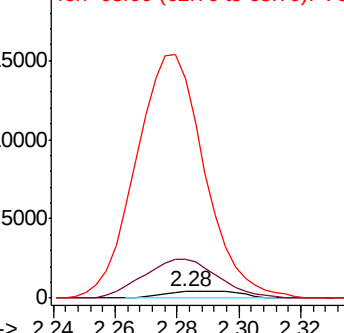
63 3256.4 105.1 195.3#

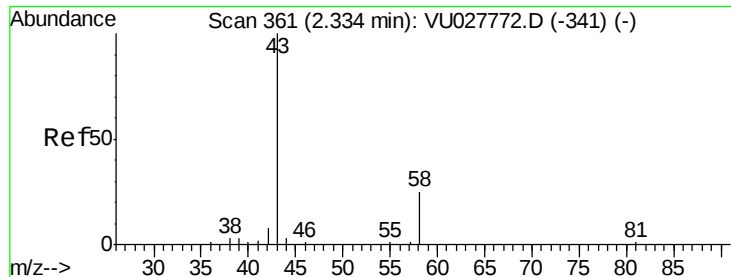


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.458 ug/L

RT: 2.36 min Scan# 368

Delta R.T. 0.02 min

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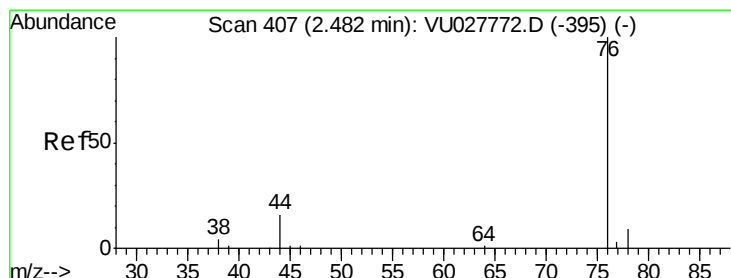
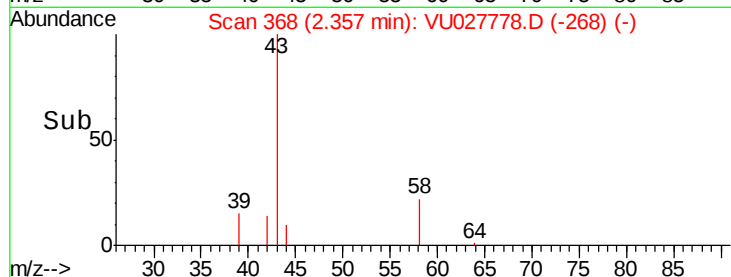
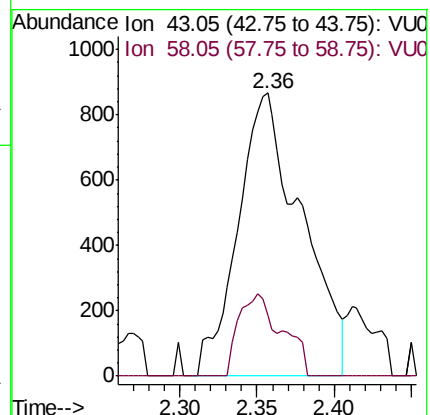
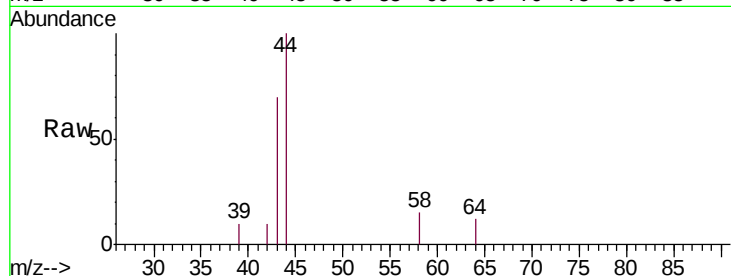
MDL02

Tgt Ion: 43 Resp: 2481

Ion Ratio Lower Upper

43 100

58 19.4 0.0 52.8



#14

Carbon disulfide

Concen: 0.265 ug/L

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027778.D

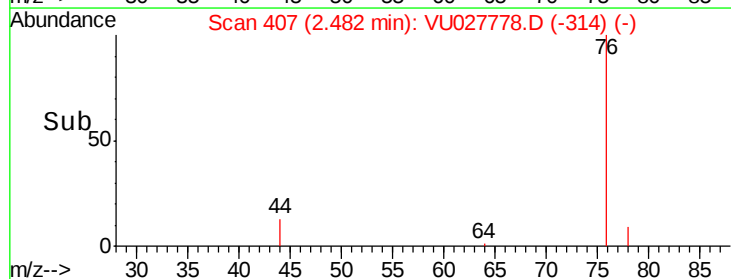
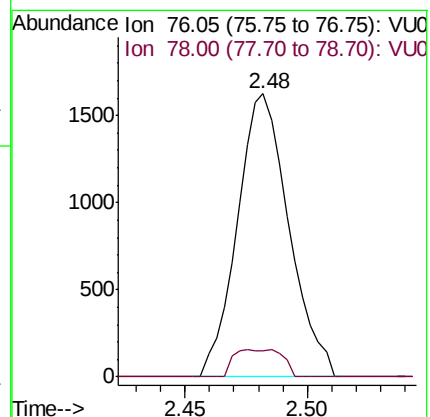
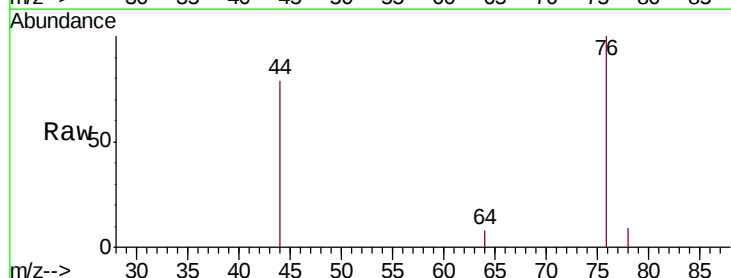
Acq: 24 Oct 2018 12:11

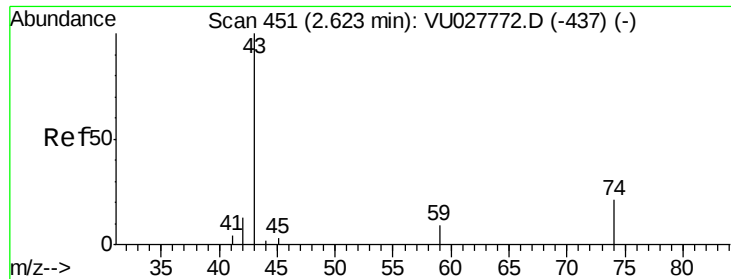
Tgt Ion: 76 Resp: 2378

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

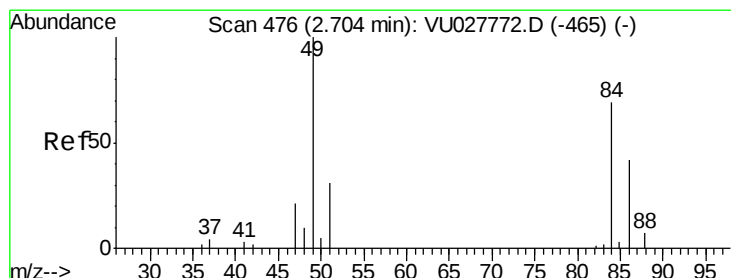
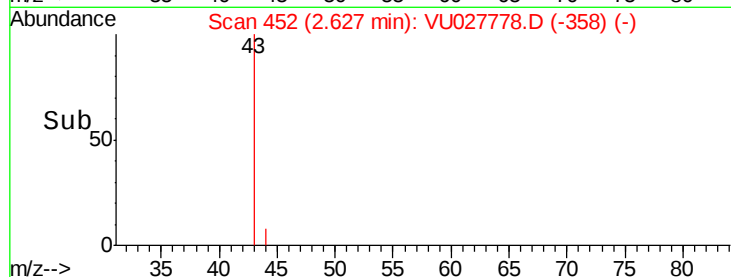
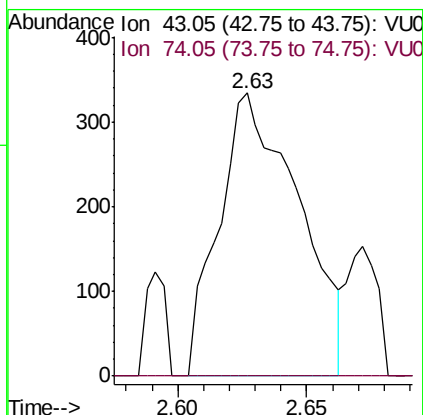
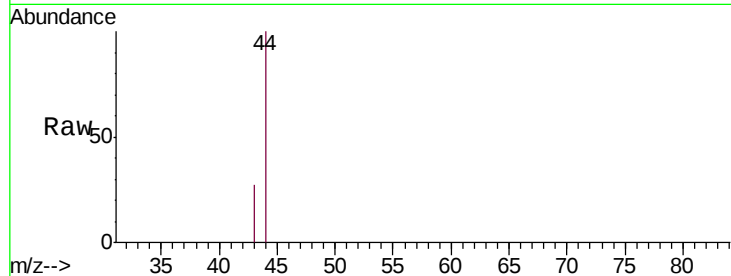




#15
Methyl Acetate
Concen: 0.360 ug/L
RT: 2.63 min Scan# 452
Delta R.T. 0.00 min
Lab File: VU027778.D
Acq: 24 Oct 2018 12:11

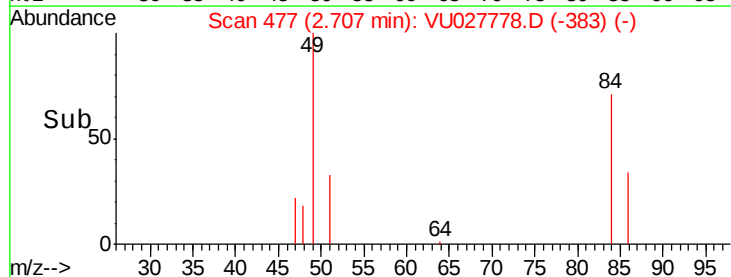
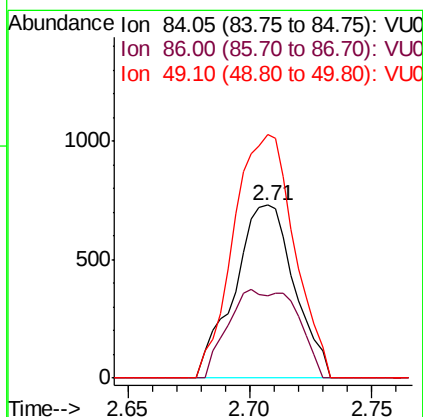
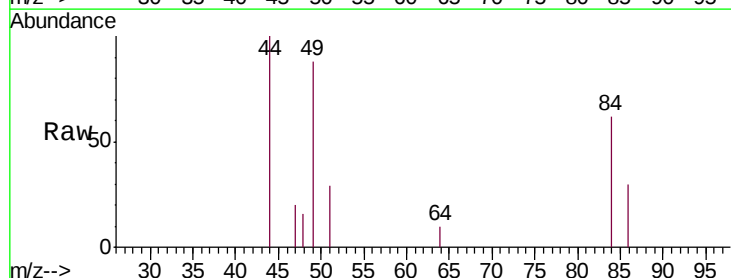
Instrument :
MSVOA_U
ClientSampleId :
MDL02

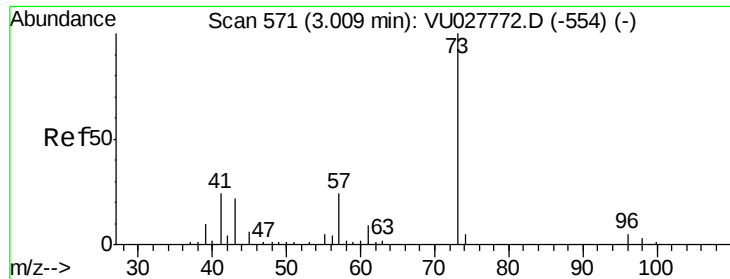
Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
74 0.0 15.8 23.8#



#16
Methylene chloride
Concen: 0.403 ug/L
RT: 2.71 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU027778.D
Acq: 24 Oct 2018 12:11

Tgt Ion: 84 Resp: 1244
Ion Ratio Lower Upper
84 100
86 47.9 42.8 79.4
49 140.9 101.4 188.4

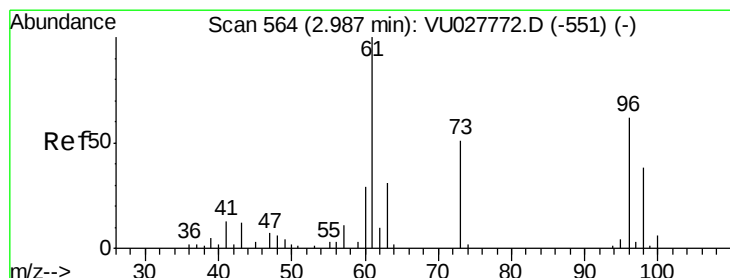
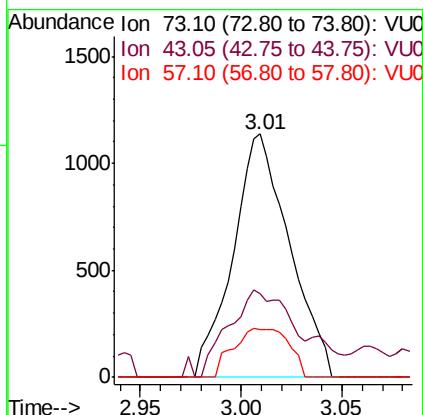
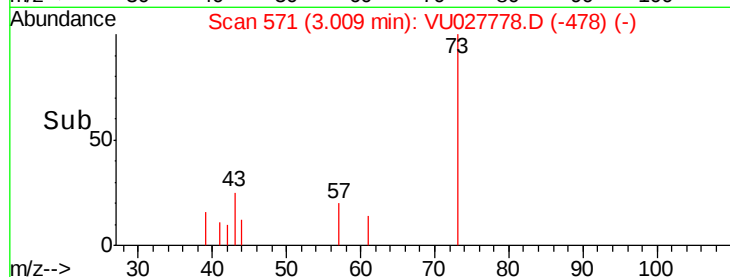
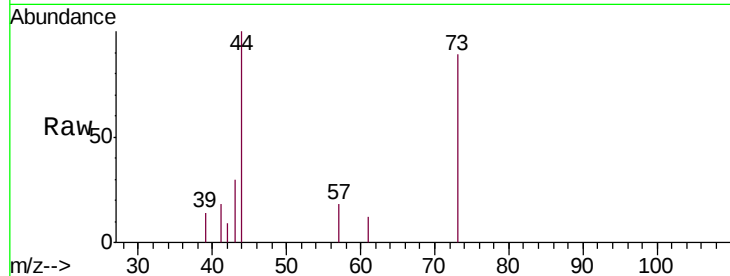




#17
Methyl tert-butyl Ether
Concen: 0.265 ug/L
RT: 3.01 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU027778.D
Acq: 24 Oct 2018 12:11

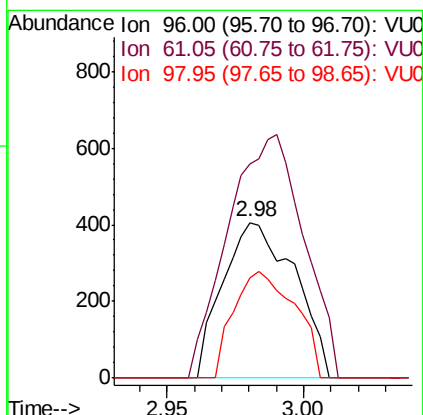
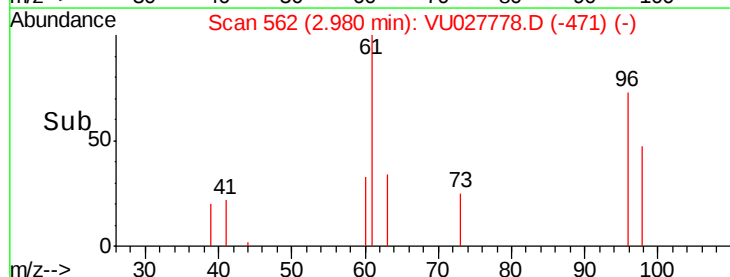
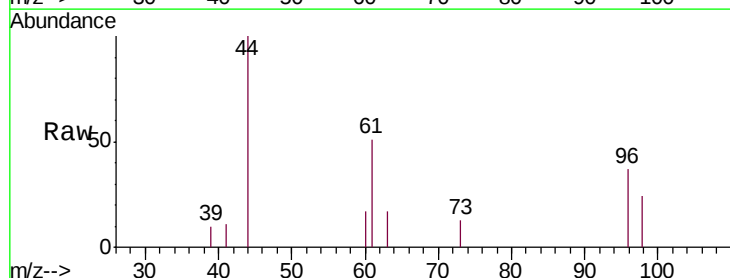
Instrument :
MSVOA_U
ClientSampled :
MDL02

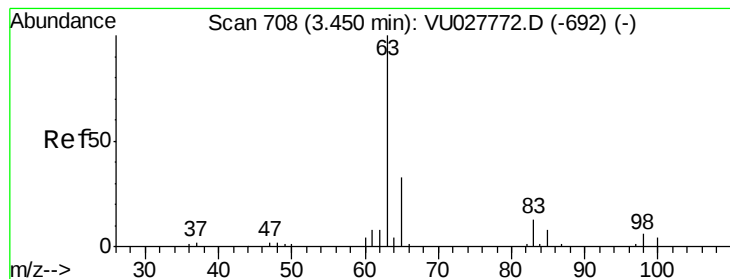
Tgt Ion: 73 Resp: 2218
Ion Ratio Lower Upper
73 100
43 38.7 18.6 28.0#
57 19.9 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 0.265 ug/L
RT: 2.98 min Scan# 562
Delta R.T. -0.01 min
Lab File: VU027778.D
Acq: 24 Oct 2018 12:11

Tgt Ion: 96 Resp: 743
Ion Ratio Lower Upper
96 100
61 137.5 112.1 208.3
98 64.9 42.1 78.3





#19

1,1-Dichloroethane

Concen: 0.244 ug/L

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027778.D

Acq: 24 Oct 2018 12:11

Instrument :

MSVOA_U

ClientSampleId :

MDL02

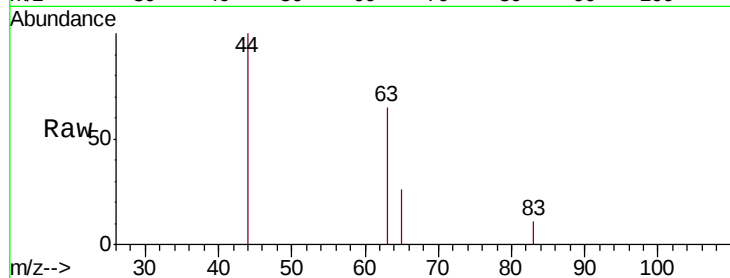
Tgt Ion: 63 Resp: 1513

Ion Ratio Lower Upper

63 100

65 39.6 23.1 42.9

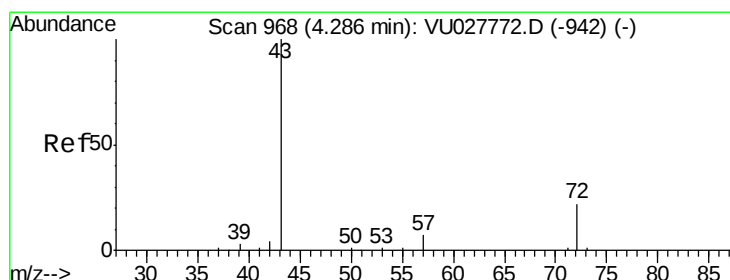
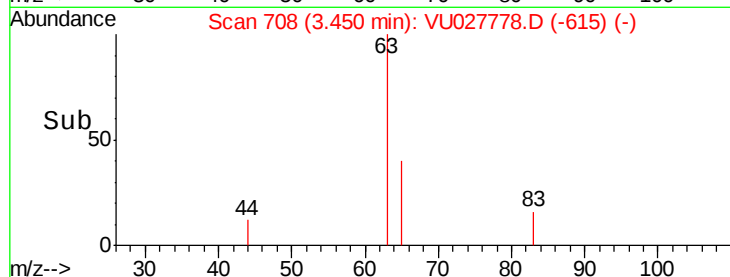
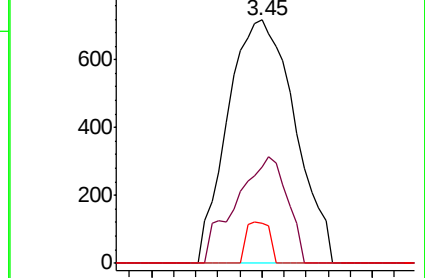
83 16.4 9.2 17.0



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



#21

2-Butanone

Concen: 2.972 ug/L

RT: 4.30 min Scan# 971

Delta R.T. 0.01 min

Lab File: VU027778.D

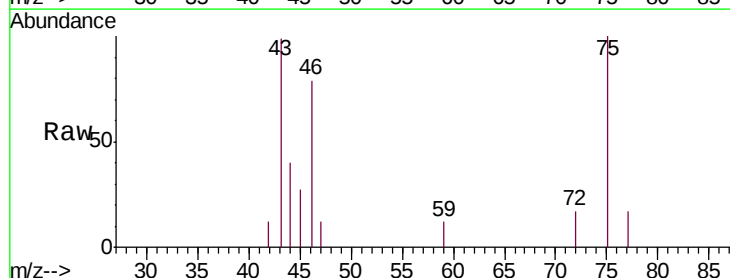
Acq: 24 Oct 2018 12:11

Tgt Ion: 43 Resp: 3499

Ion Ratio Lower Upper

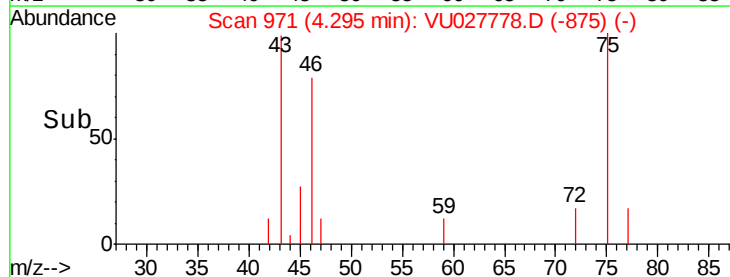
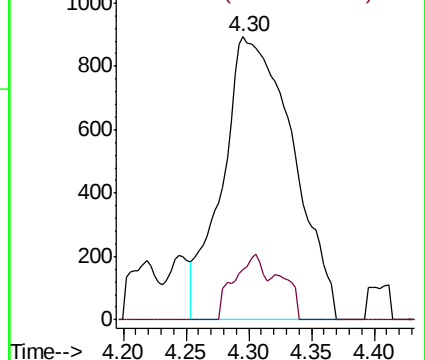
43 100

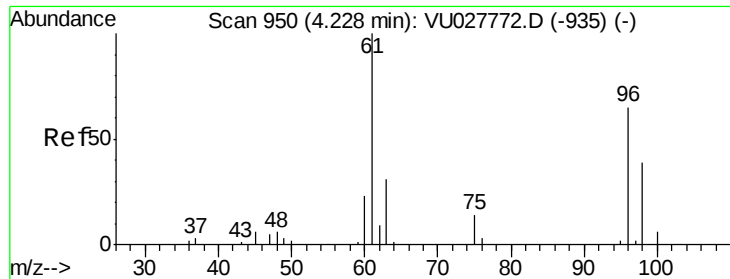
72 9.8 10.5 31.6#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0



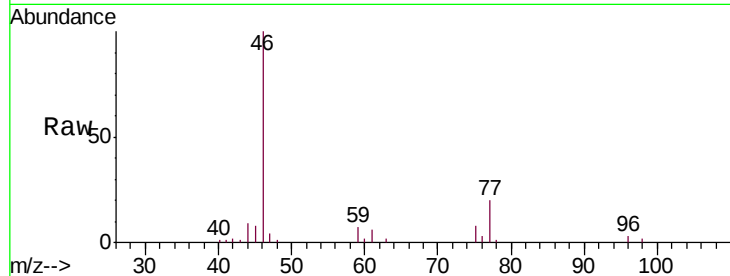


#22

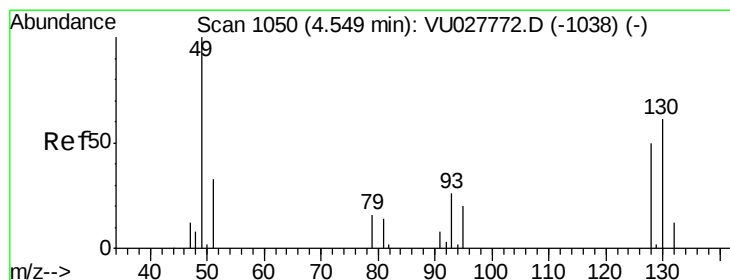
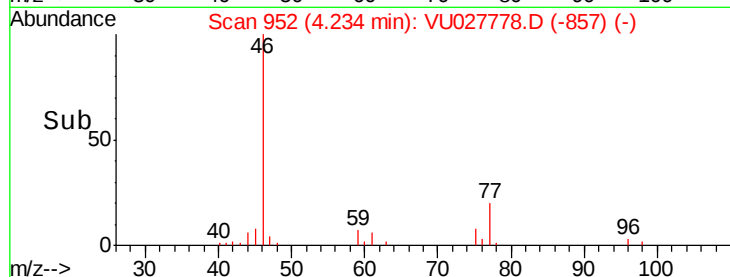
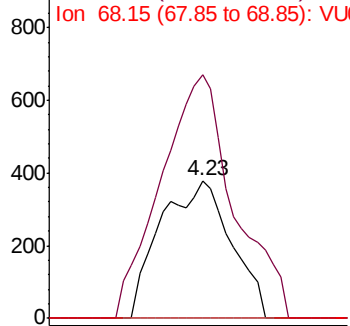
cis-1,2-Dichloroethene
Concen: 0.229 ug/L
RT: 4.23 min Scan# 952
Delta R.T. 0.01 min
Lab File: VU027778.D
Acq: 24 Oct 2018 12:11

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 96 Resp: 763
Ion Ratio Lower Upper
96 100
61 176.8 107.2 199.0
68 0.0 0.0 0.0



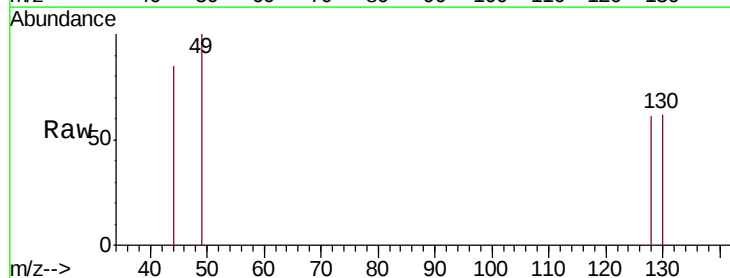
Abundance Ion 96.00 (95.70 to 96.70): VU027778.D (-957) (-)
Ion 61.05 (60.75 to 61.75): VU027778.D (-957) (-)
Ion 68.15 (67.85 to 68.85): VU027778.D (-957) (-)



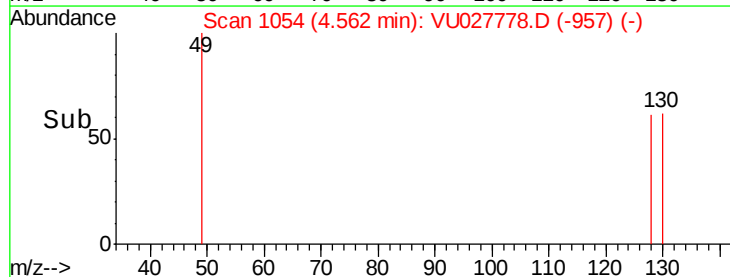
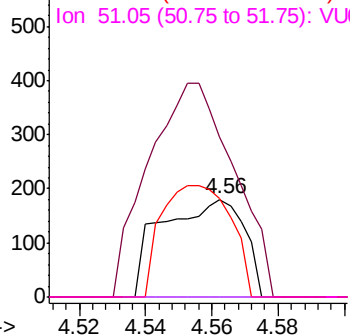
#23

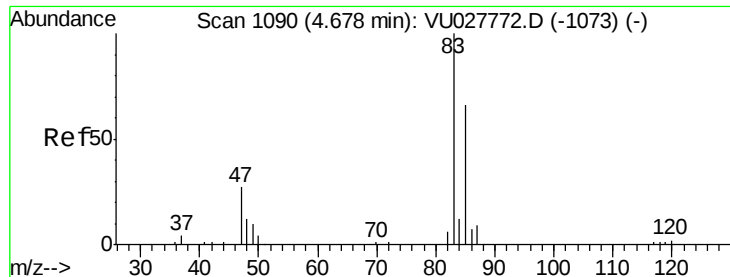
Bromochloromethane
Concen: 0.230 ug/L
RT: 4.56 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VU027778.D
Acq: 24 Oct 2018 12:11

Tgt Ion: 128 Resp: 310
Ion Ratio Lower Upper
128 100
49 163.0 142.8 265.2
130 100.6 86.0 159.8
51 0.0 52.6 79.0#



Abundance Ion 127.90 (127.60 to 128.60): VU027778.D (-957) (-)
Ion 49.10 (48.80 to 49.80): VU027778.D (-957) (-)
Ion 129.95 (129.65 to 130.65): VU027778.D (-957) (-)
Ion 51.05 (50.75 to 51.75): VU027778.D (-957) (-)

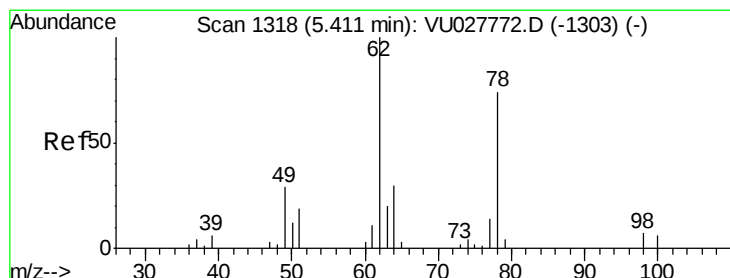
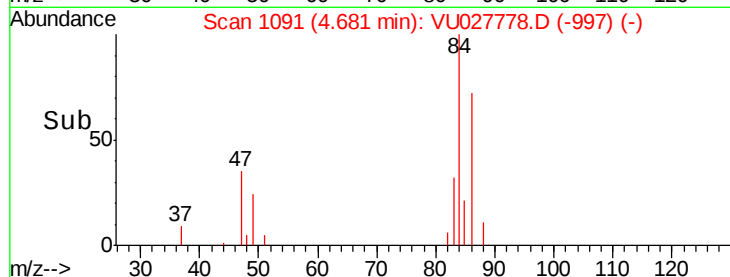
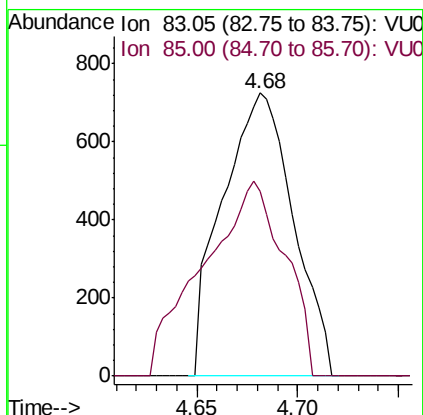
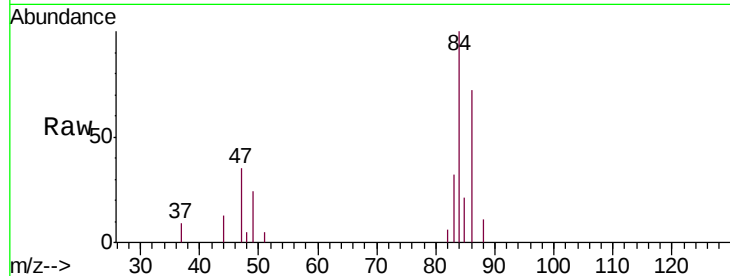




#25
Chloroform
Concen: 0.284 ug/L
RT: 4.68 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VU027778.D
Acq: 24 Oct 2018 12:11

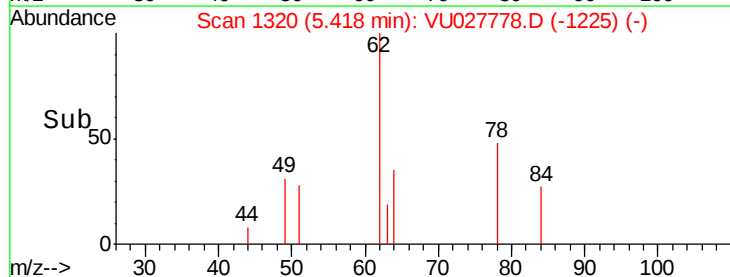
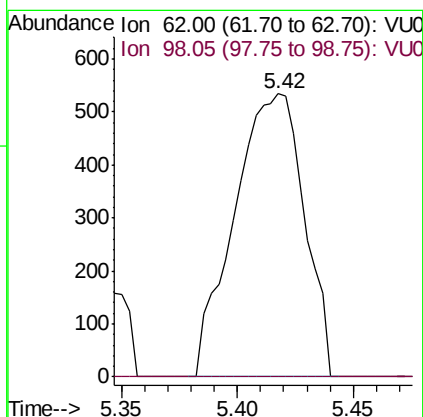
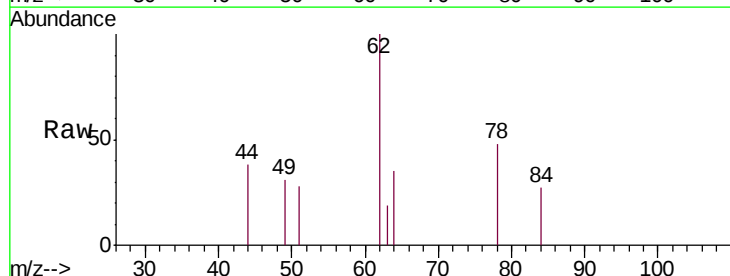
Instrument :
MSVOA_U
ClientSampleId :
MDL02

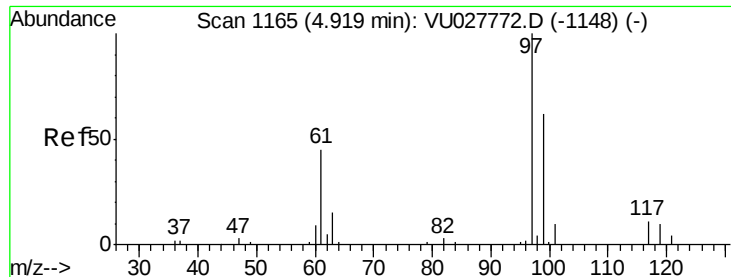
Tgt Ion: 83 Resp: 1771
Ion Ratio Lower Upper
83 100
85 65.2 45.8 85.2



#27
1,2-Dichloroethane
Concen: 0.242 ug/L
RT: 5.42 min Scan# 1320
Delta R.T. 0.01 min
Lab File: VU027778.D
Acq: 24 Oct 2018 12:11

Tgt Ion: 62 Resp: 1118
Ion Ratio Lower Upper
62 100
98 0.0 5.7 8.5#

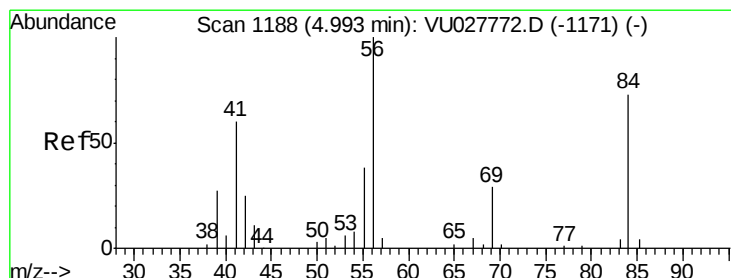
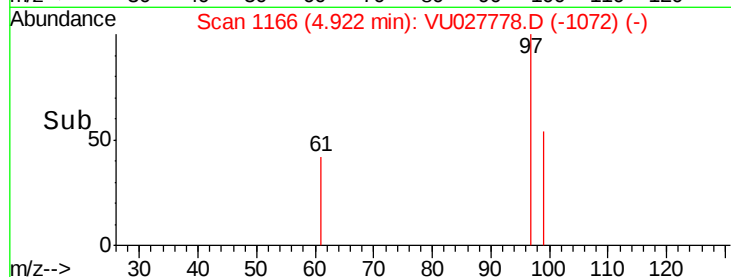
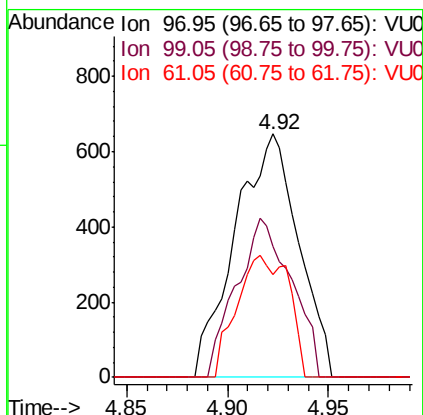
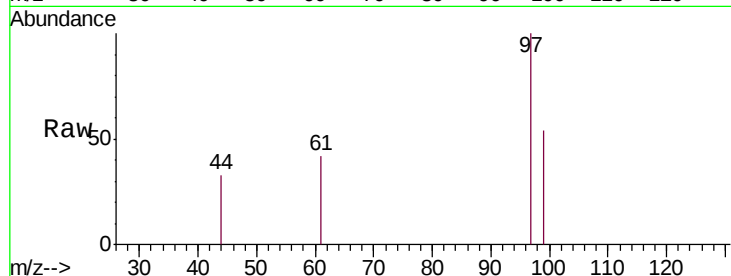




#29
1,1,1-Trichloroethane
Concen: 0.254 ug/L
RT: 4.92 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VU027778.D
Acq: 24 Oct 2018 12:11

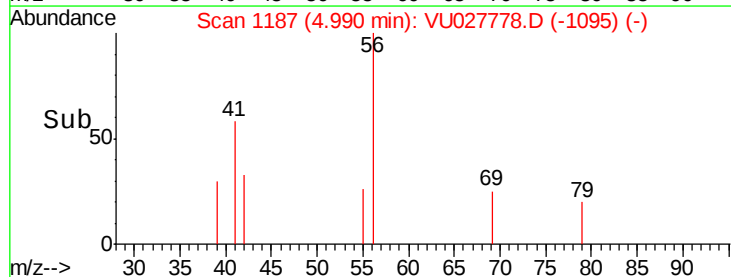
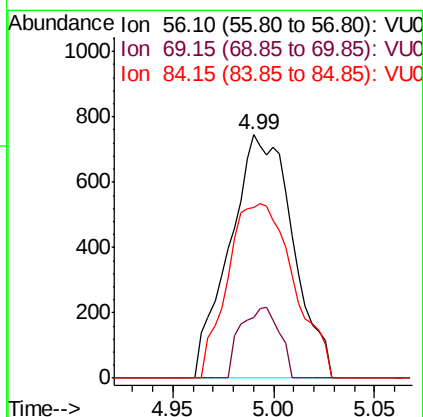
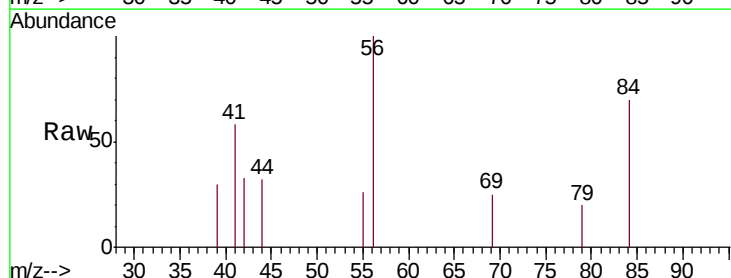
Instrument :
MSVOA_U
ClientSampled :
MDL02

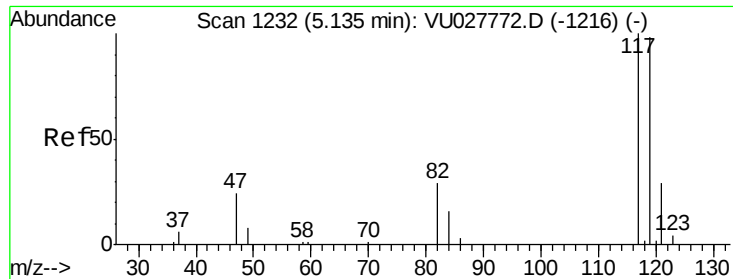
Tgt Ion: 97 Resp: 1416
Ion Ratio Lower Upper
97 100
99 56.7 51.3 76.9
61 41.5 36.7 55.1



#30
Cyclohexane
Concen: 0.261 ug/L
RT: 4.99 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU027778.D
Acq: 24 Oct 2018 12:11

Tgt Ion: 56 Resp: 1630
Ion Ratio Lower Upper
56 100
69 17.9 22.2 33.4#
84 74.8 58.6 88.0

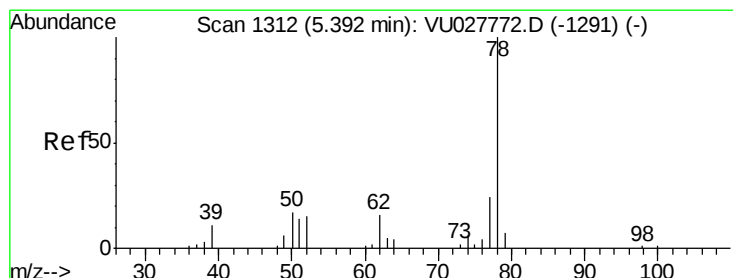
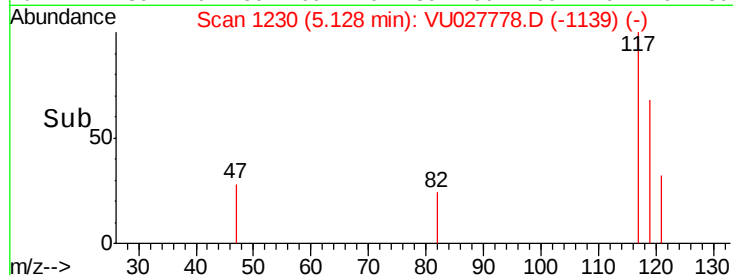
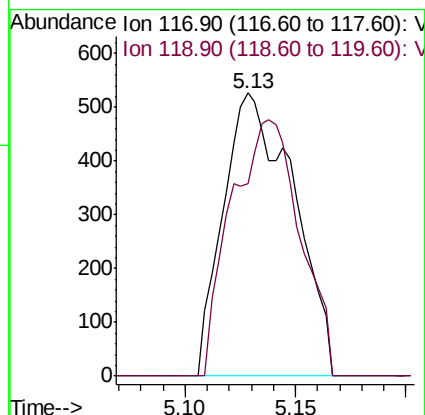
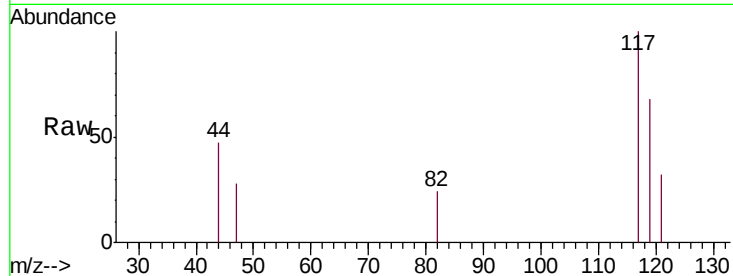




#31
Carbon tetrachloride
Concen: 0.243 ug/L
RT: 5.13 min Scan# 1230
Delta R.T. -0.01 min
Lab File: VU027778.D
Acq: 24 Oct 2018 12:11

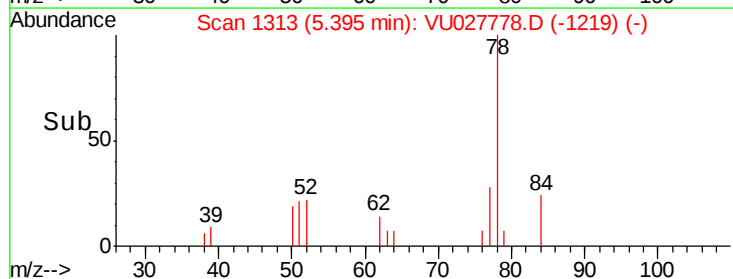
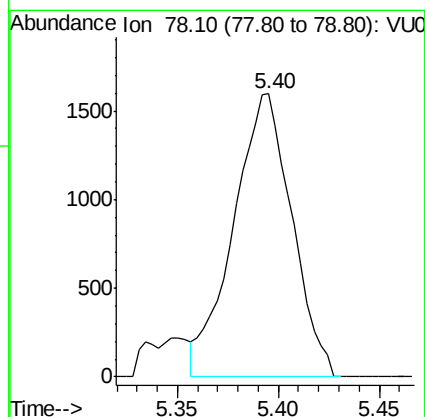
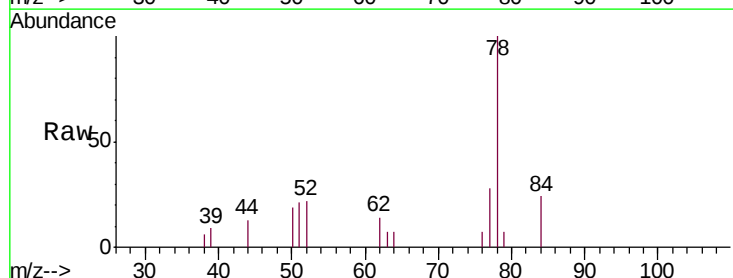
Instrument :
MSVOA_U
ClientSampleId :
MDL02

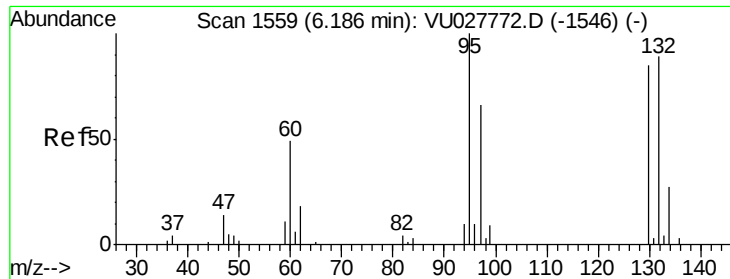
Tgt Ion: 117 Resp: 1164
Ion Ratio Lower Upper
117 100
119 88.4 77.0 115.6



#33
Benzene
Concen: 0.250 ug/L
RT: 5.40 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU027778.D
Acq: 24 Oct 2018 12:11

Tgt Ion: 78 Resp: 3225





#34

Trichloroethene

Concen: 0.278 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027778.D

Acq: 24 Oct 2018 12:11

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion: 95 Resp: 929

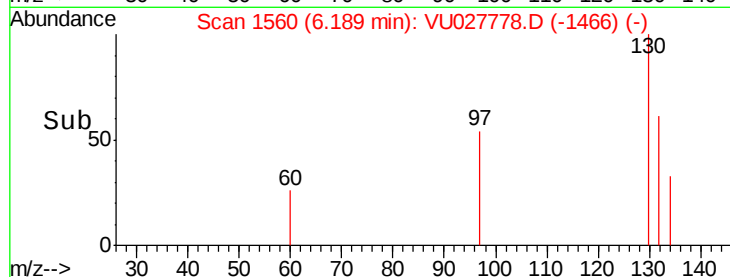
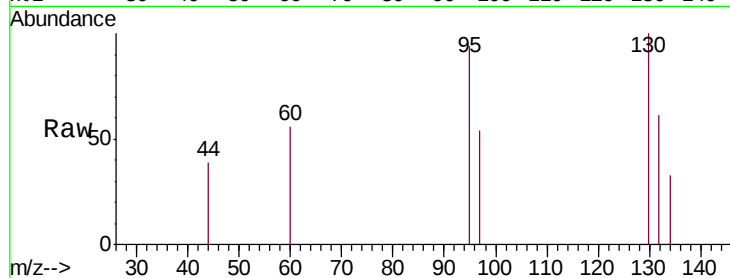
Ion Ratio Lower Upper

95 100

97 57.2 46.4 86.2

132 64.1 62.0 115.2

130 105.9 59.5 110.5

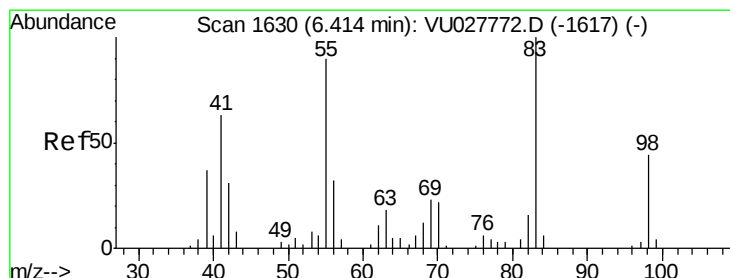
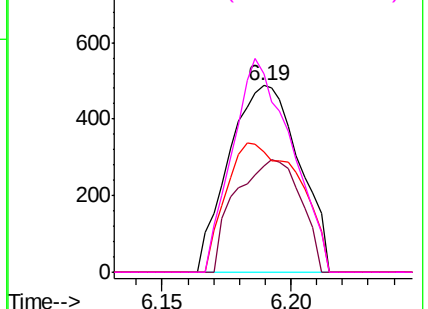


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.256 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU027778.D

Acq: 24 Oct 2018 12:11

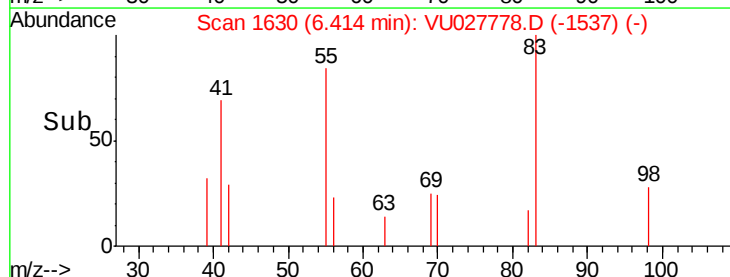
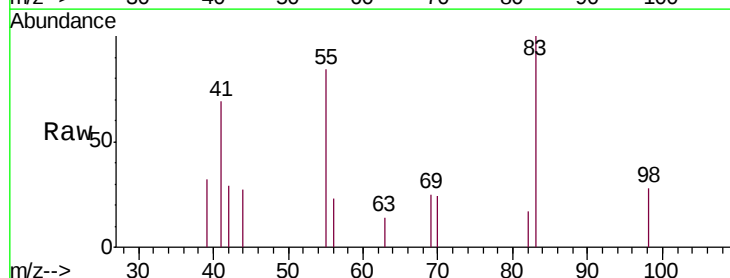
Tgt Ion: 83 Resp: 1428

Ion Ratio Lower Upper

83 100

55 92.9 71.5 107.3

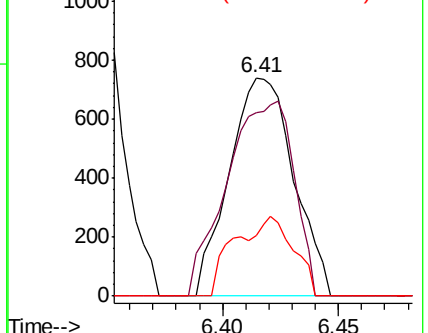
98 33.2 35.4 53.0#

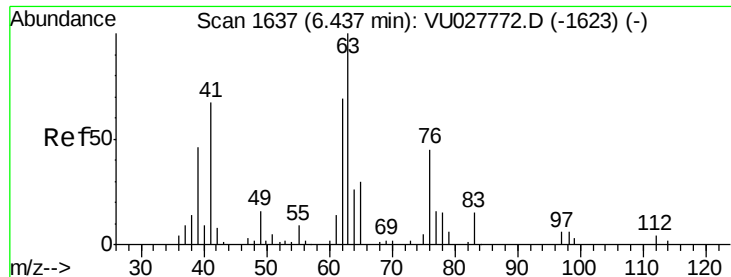


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

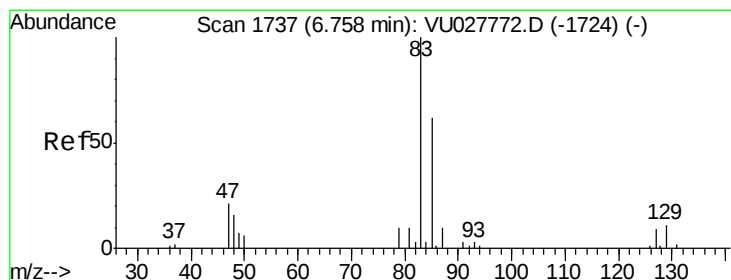
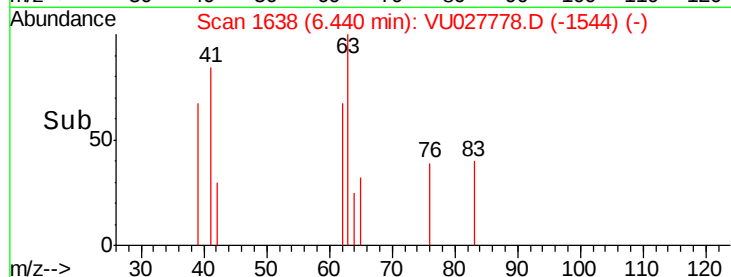
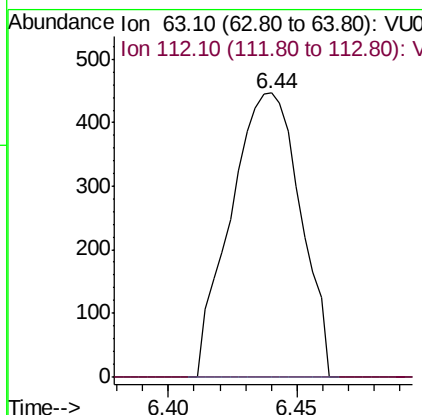
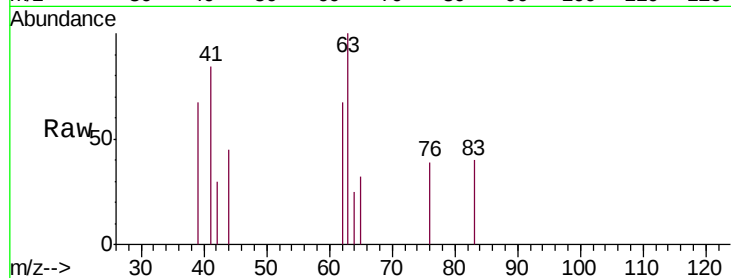




#37
 1,2-Dichloropropane
 Concen: 0.222 ug/L
 RT: 6.44 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VU027778.D
 Acq: 24 Oct 2018 12:11

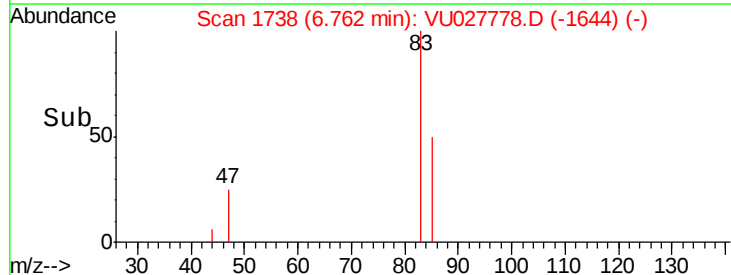
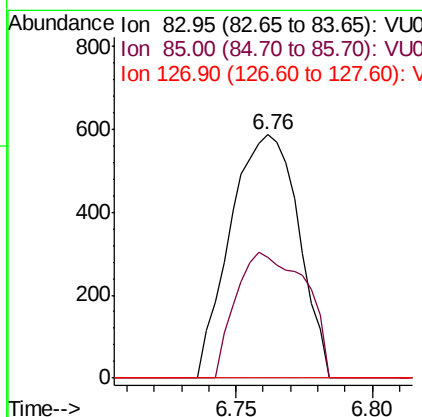
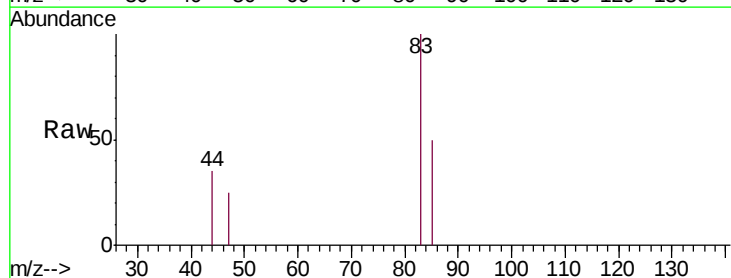
Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

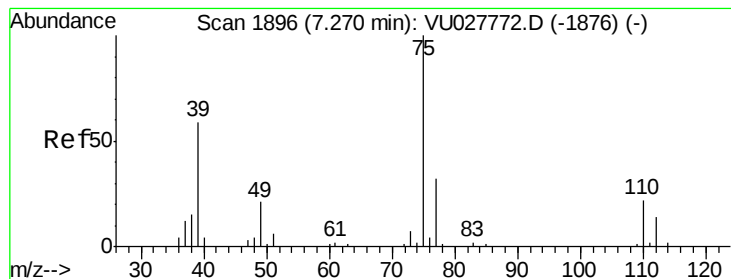
Tgt Ion: 63 Resp: 841
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#38
 Bromodichloromethane
 Concen: 0.226 ug/L
 RT: 6.76 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VU027778.D
 Acq: 24 Oct 2018 12:11

Tgt Ion: 83 Resp: 1019
 Ion Ratio Lower Upper
 83 100
 85 49.7 43.3 80.5
 127 0.0 7.2 10.8#





#39

cis-1,3-Dichloropropene

Concen: 0.272 ug/L

RT: 7.28 min Scan# 1898

Delta R.T. 0.01 min

Lab File: VU027778.D

Acq: 24 Oct 2018 12:11

Instrument :

MSVOA_U

ClientSampleId :

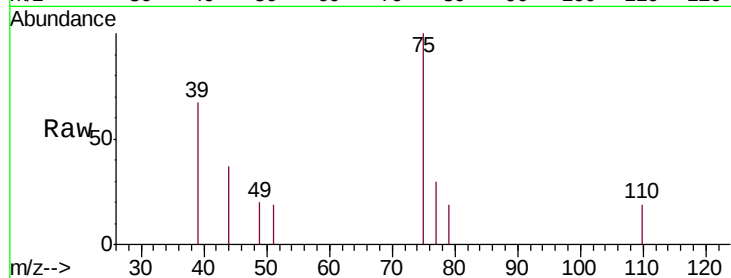
MDL02

Tgt Ion: 75 Resp: 1476

Ion Ratio Lower Upper

75 100

77 30.1 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.28

600

400

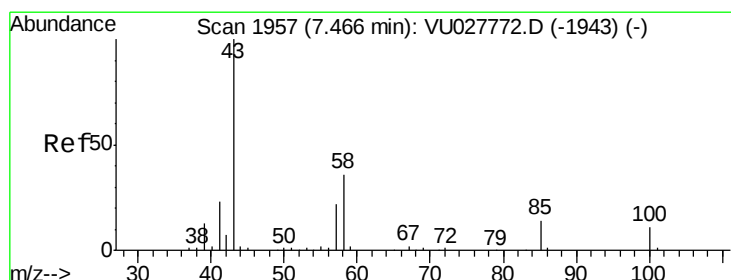
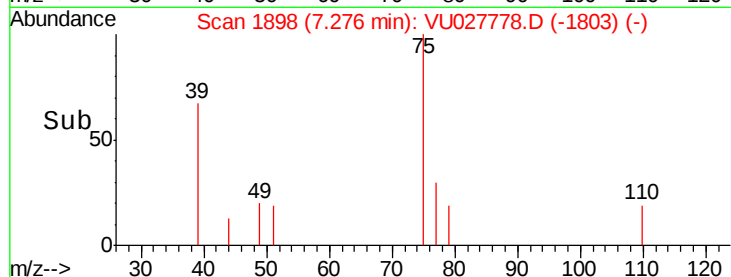
200

0

7.25

7.30

Time-->



#40

4-Methyl-2-pentanone

Concen: 2.493 ug/L

RT: 7.47 min Scan# 1959

Delta R.T. 0.01 min

Lab File: VU027778.D

Acq: 24 Oct 2018 12:11

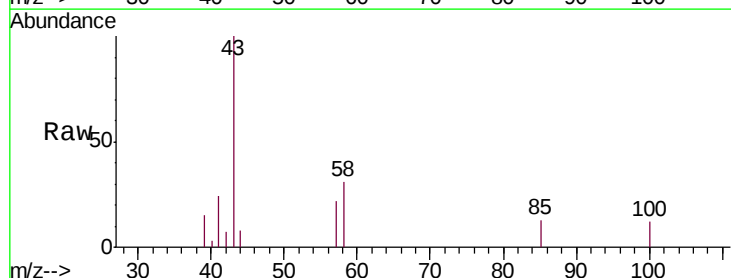
Tgt Ion: 43 Resp: 7049

Ion Ratio Lower Upper

43 100

58 31.9 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

25000

20000

15000

10000

5000

0

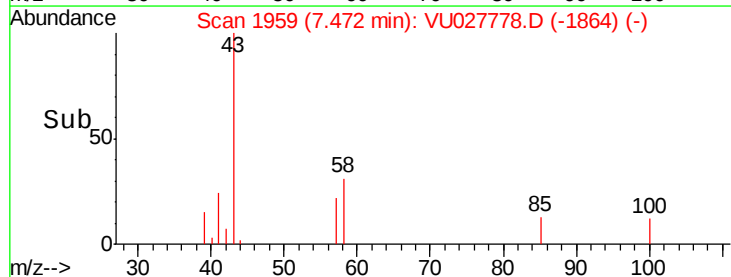
7.40

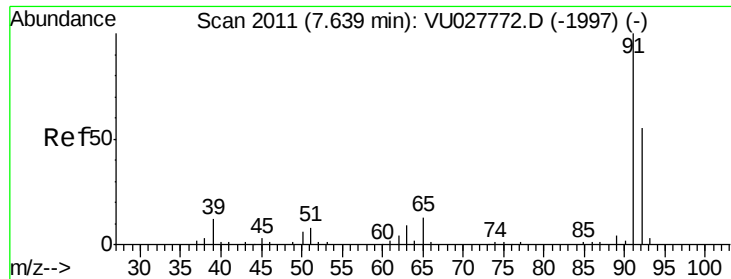
7.45

7.50

7.55

Time-->





#42

Toluene

Concen: 0.263 ug/L

RT: 7.64 min Scan# 2012

Delta R.T. 0.00 min

Lab File: VU027778.D

Acq: 24 Oct 2018 12:11

Instrument :

MSVOA_U

ClientSampleId :

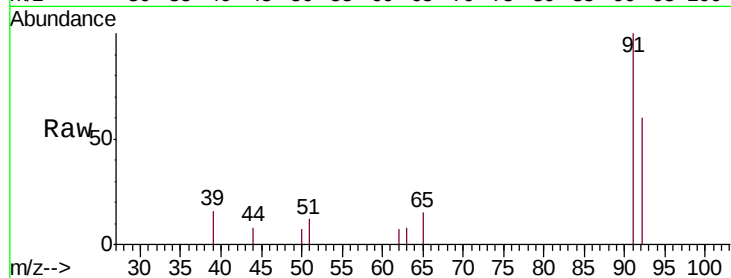
MDL02

Tgt Ion: 91 Resp: 3643

Ion Ratio Lower Upper

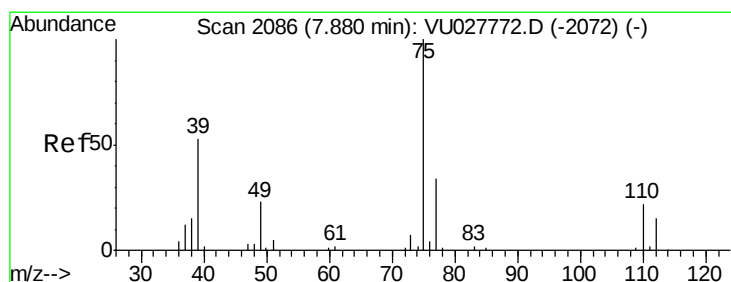
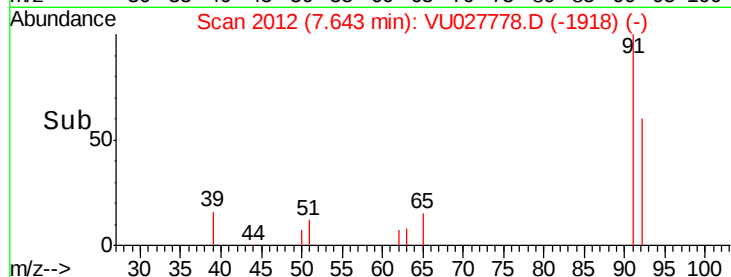
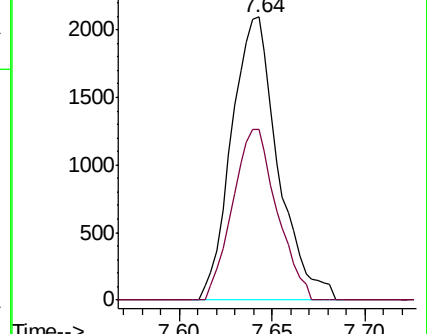
91 100

92 60.4 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: 0.272 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027778.D

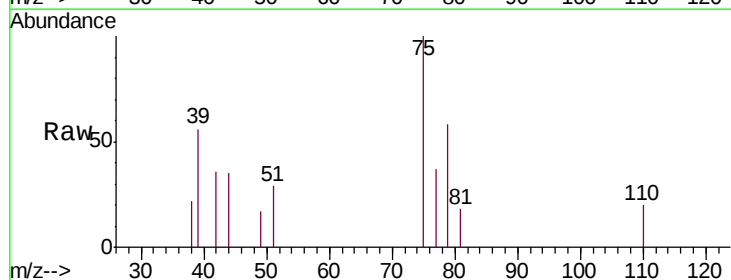
Acq: 24 Oct 2018 12:11

Tgt Ion: 75 Resp: 1239

Ion Ratio Lower Upper

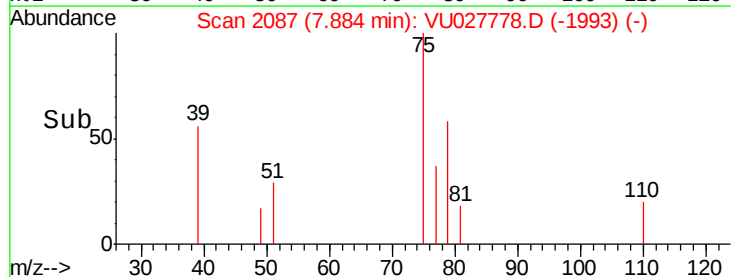
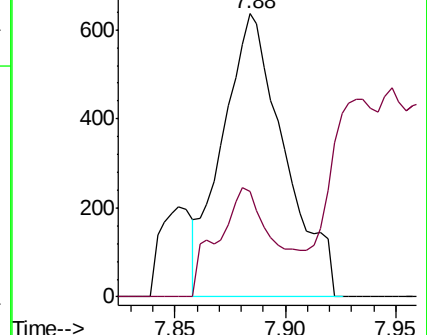
75 100

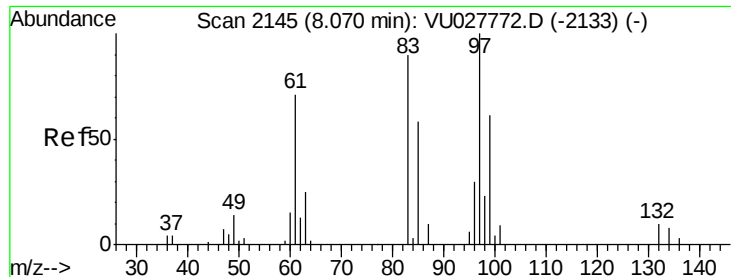
77 37.4 23.5 43.7



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



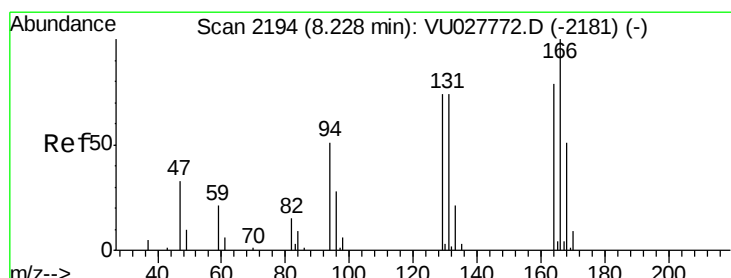
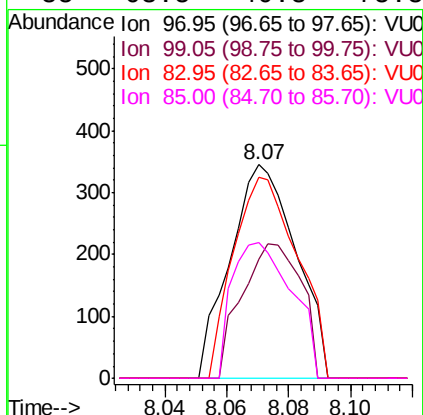
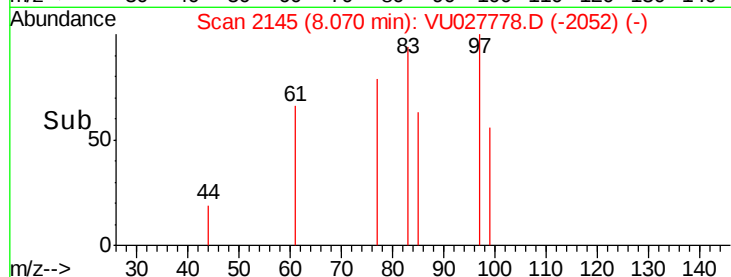
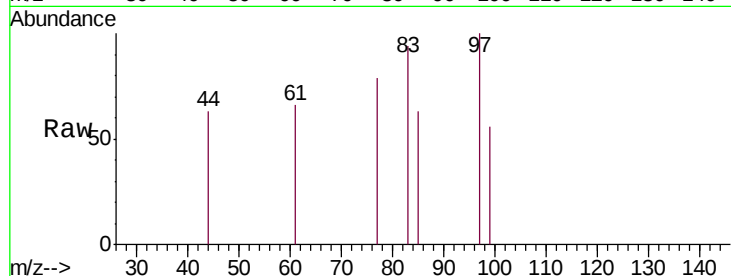


#45
 1,1,2-Trichloroethane
 Concen: 0.224 ug/L
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU027778.D
 Acq: 24 Oct 2018 12:11

Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

Tgt Ion: 97 Resp: 511

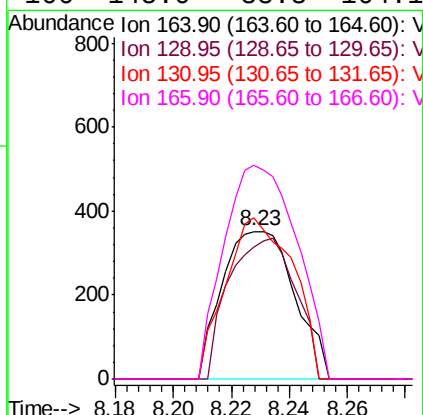
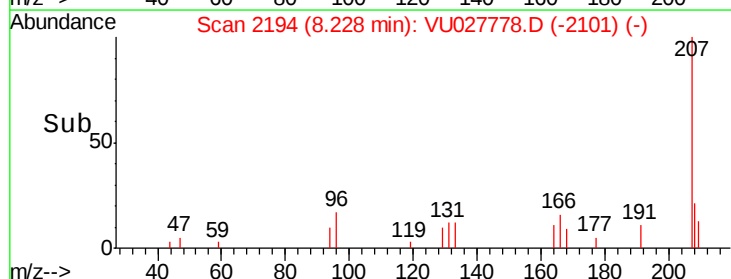
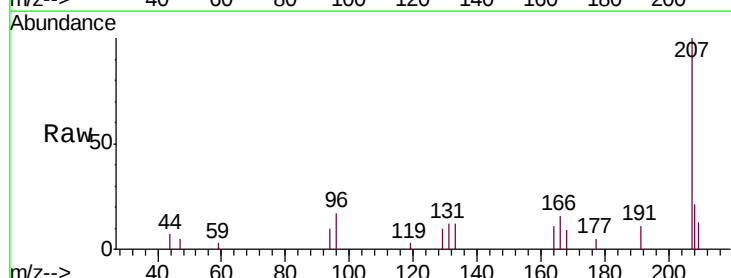
Ion	Ratio	Lower	Upper
97	100		
99	55.9	42.8	79.6
83	94.2	62.9	116.9
85	63.5	40.8	75.8

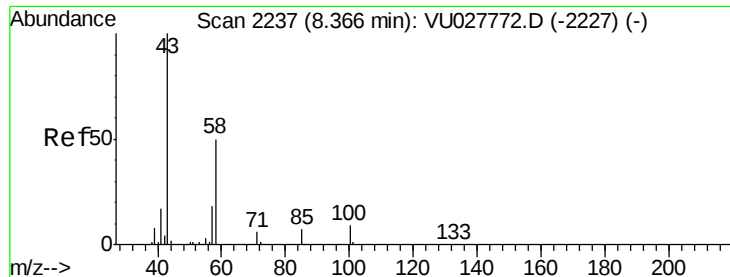


#47
 Tetrachloroethene
 Concen: 0.225 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU027778.D
 Acq: 24 Oct 2018 12:11

Tgt Ion: 164 Resp: 611

Ion	Ratio	Lower	Upper
164	100		
129	89.7	65.6	121.8
131	109.7	65.0	120.8
166	145.0	88.3	164.1

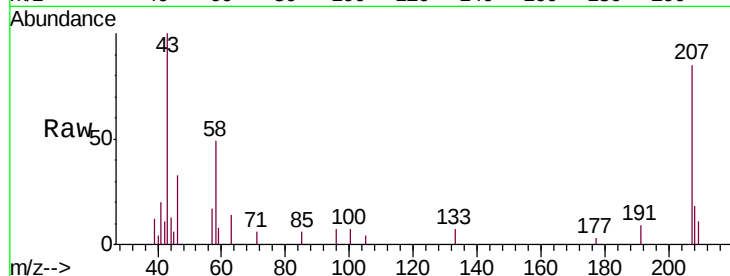




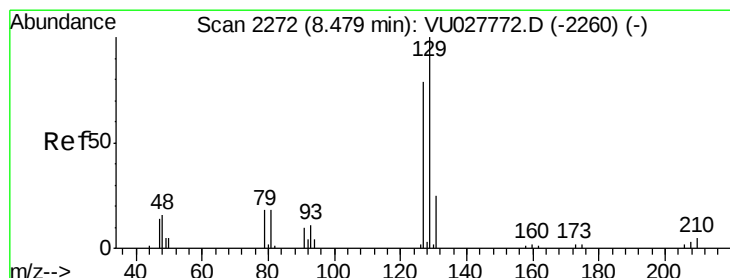
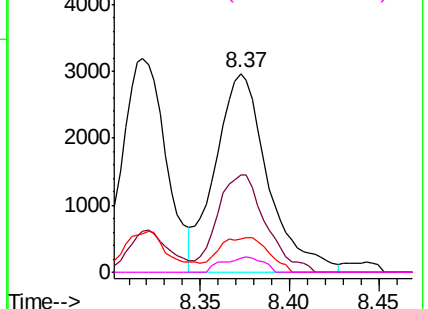
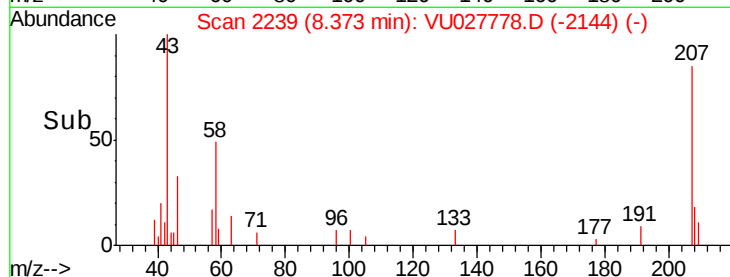
#48
2-Hexanone
Concen: 3.015 ug/L
RT: 8.37 min Scan# 2239
Delta R.T. 0.01 min
Lab File: VU027778.D
Acq: 24 Oct 2018 12:11

Instrument :
MSVOA_U
ClientSampleID :
MDL02

Tgt Ion: 43 Resp: 6057
Ion Ratio Lower Upper
43 100
58 44.9 39.4 59.0
57 16.6 13.8 20.8
100 5.7 6.7 10.1#

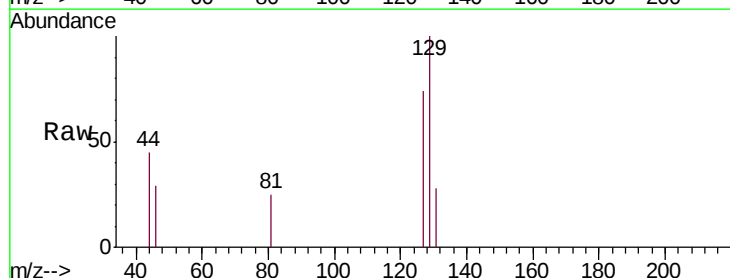


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

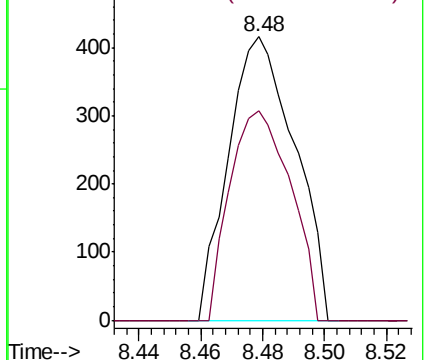
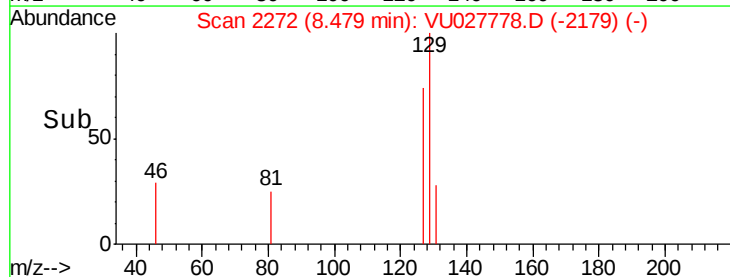


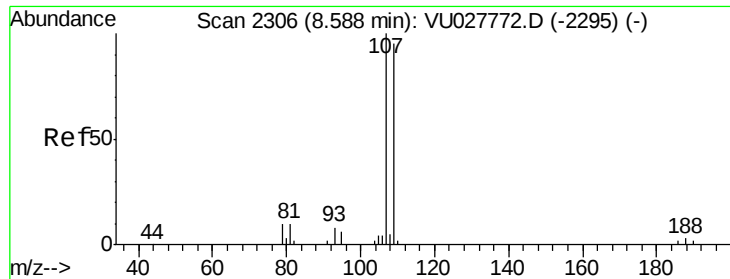
#49
Dibromochloromethane
Concen: 0.213 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027778.D
Acq: 24 Oct 2018 12:11

Tgt Ion: 129 Resp: 620
Ion Ratio Lower Upper
129 100
127 74.0 55.2 102.4



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

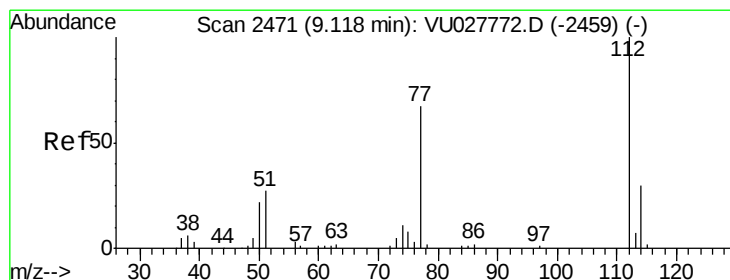
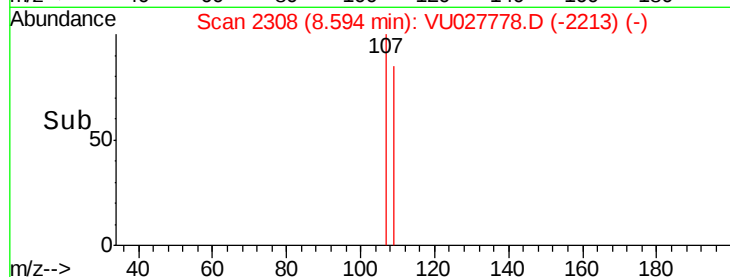
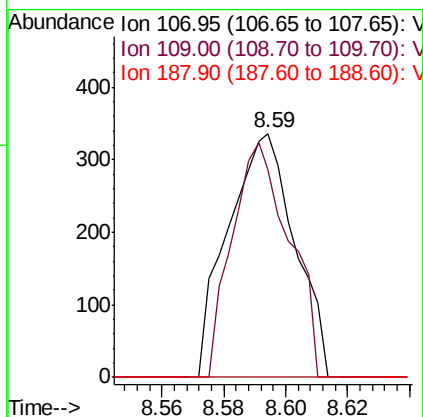
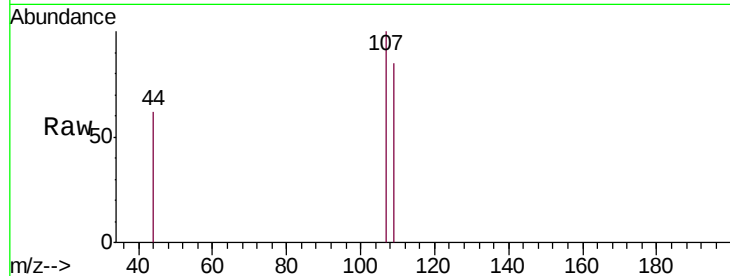




#50
 1,2-Dibromoethane
 Concen: 0.227 ug/L
 RT: 8.59 min Scan# 2308
 Delta R.T. 0.01 min
 Lab File: VU027778.D
 Acq: 24 Oct 2018 12:11

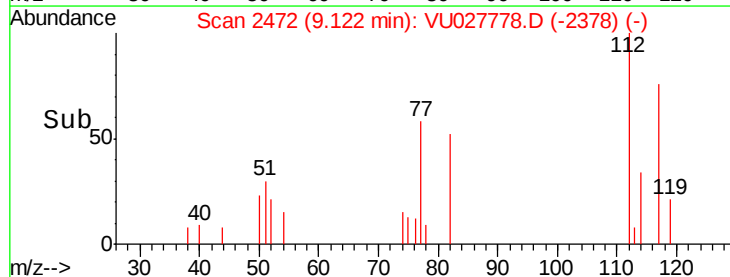
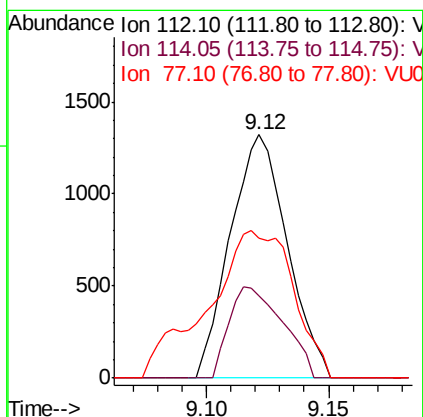
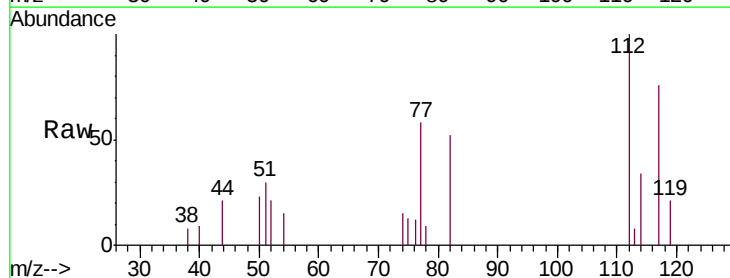
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

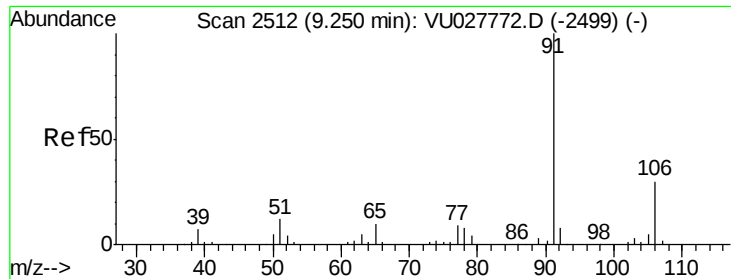
Tgt Ion:107 Resp: 504
 Ion Ratio Lower Upper
 107 100
 109 85.1 66.3 123.1
 188 0.0 2.6 3.8#



#51
 Chlorobenzene
 Concen: 0.250 ug/L
 RT: 9.12 min Scan# 2472
 Delta R.T. 0.00 min
 Lab File: VU027778.D
 Acq: 24 Oct 2018 12:11

Tgt Ion:112 Resp: 2138
 Ion Ratio Lower Upper
 112 100
 114 33.8 21.2 39.4
 77 57.7 54.2 81.4





#52

Ethylbenzene

Concen: 0.245 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU027778.D

Acq: 24 Oct 2018 12:11

Instrument :

MSVOA_U

ClientSampleId :

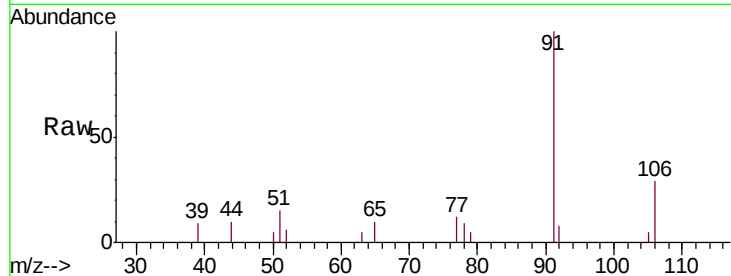
MDL02

Tgt Ion: 91 Resp: 3935

Ion Ratio Lower Upper

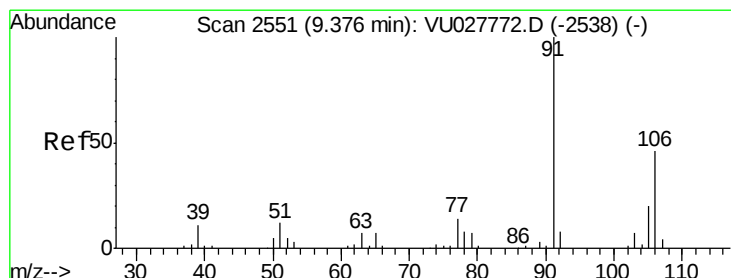
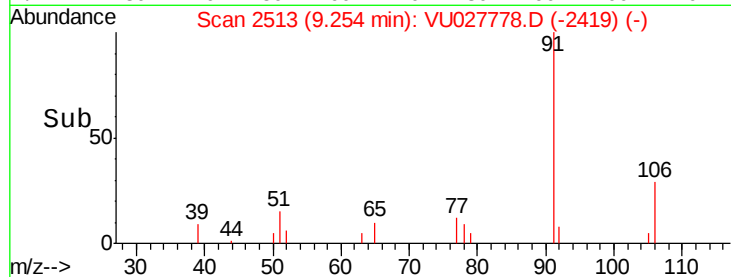
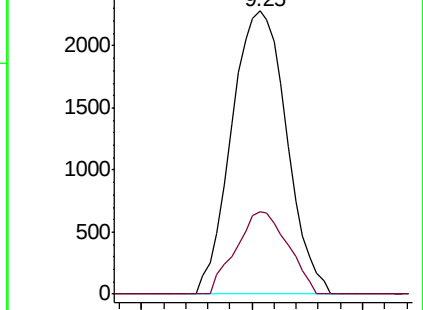
91 100

106 29.2 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VU027772.D (-2499) (-)

Ion 106.15 (105.85 to 106.85): VU027778.D (-2419) (-)



#53

m,p-xylene

Concen: 0.262 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU027778.D

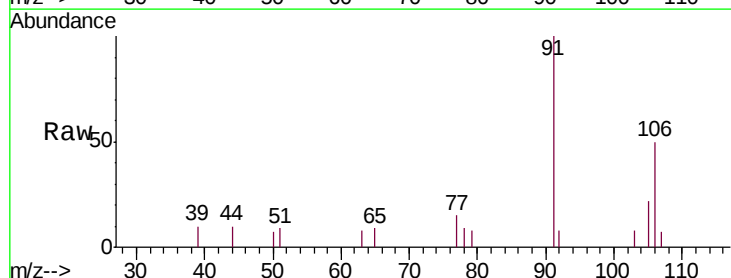
Acq: 24 Oct 2018 12:11

Tgt Ion: 106 Resp: 1491

Ion Ratio Lower Upper

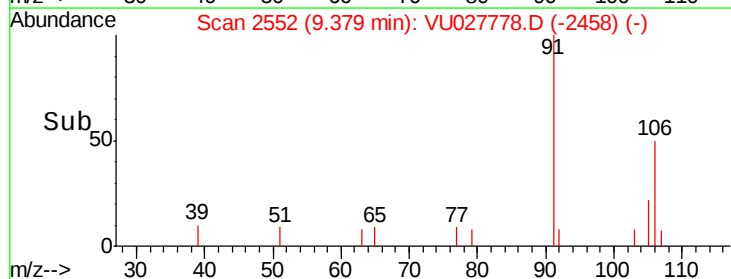
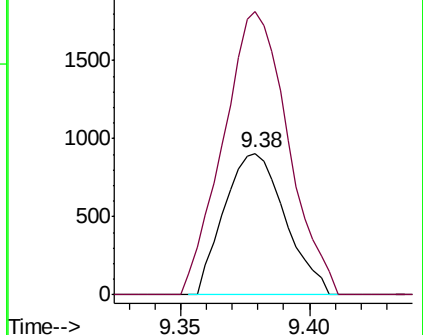
106 100

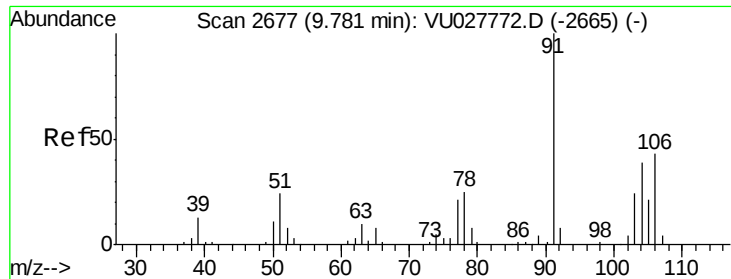
91 200.1 154.1 286.3



Abundance Ion 106.15 (105.85 to 106.85): VU027778.D (-2458) (-)

Ion 91.15 (90.85 to 91.85): VU027772.D (-2538) (-)

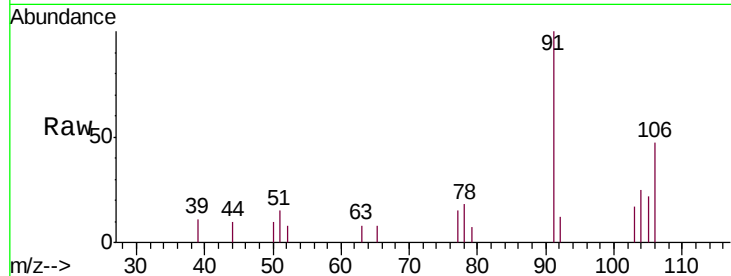




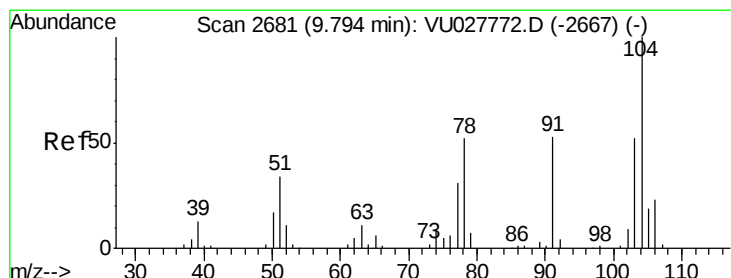
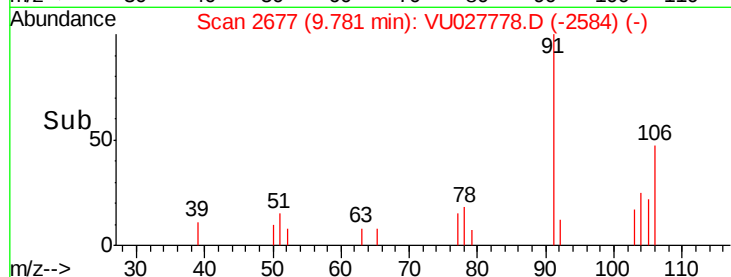
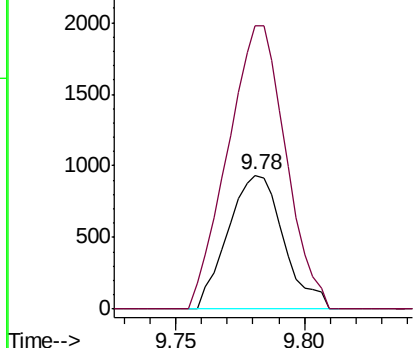
#54
o-xylene
Concen: 0.253 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027778.D
Acq: 24 Oct 2018 12:11

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion:106 Resp: 1408
Ion Ratio Lower Upper
106 100
91 210.8 161.3 299.7

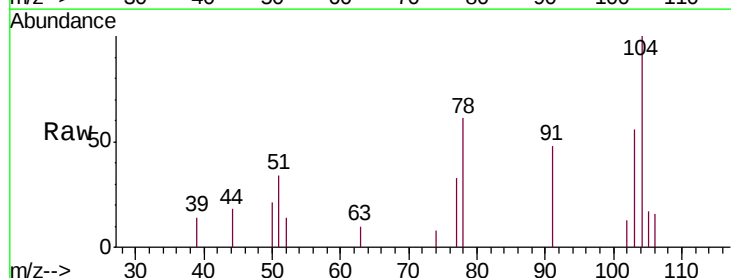


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

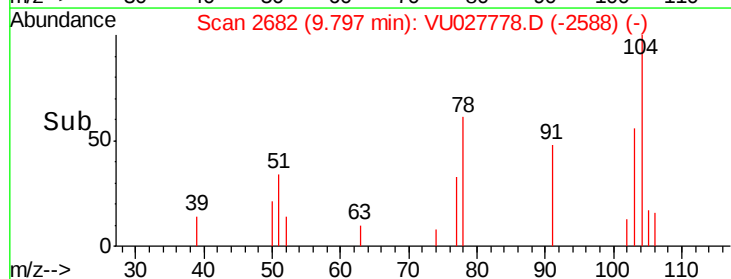
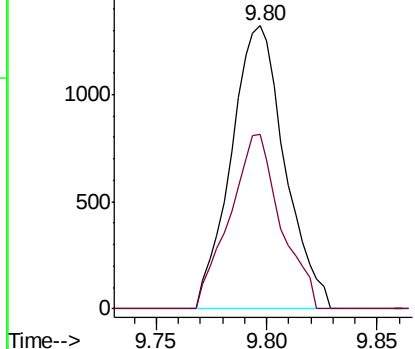


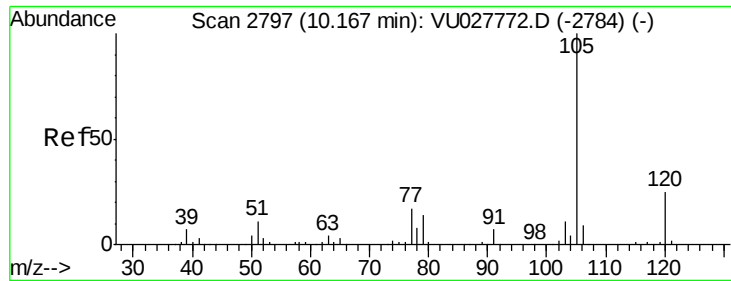
#55
Styrene
Concen: 0.237 ug/L
RT: 9.80 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU027778.D
Acq: 24 Oct 2018 12:11

Tgt Ion:104 Resp: 2230
Ion Ratio Lower Upper
104 100
78 61.4 36.3 67.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.242 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027778.D

Acq: 24 Oct 2018 12:11

Instrument :

MSVOA_U

ClientSampled :

MDL02

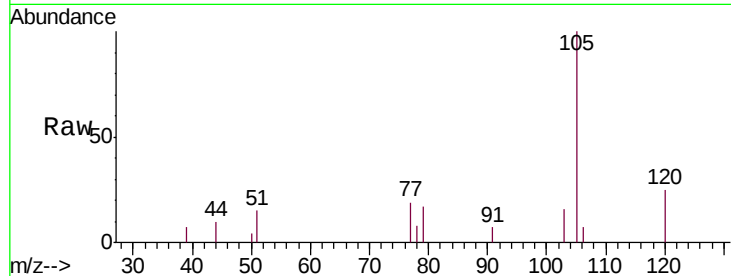
Tgt Ion: 105 Resp: 3723

Ion Ratio Lower Upper

105 100

120 24.6 19.9 29.9

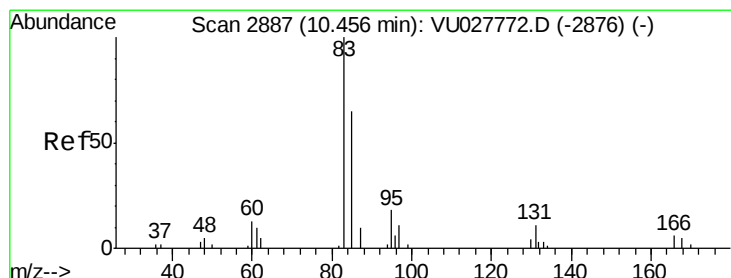
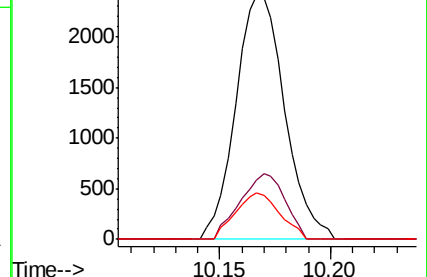
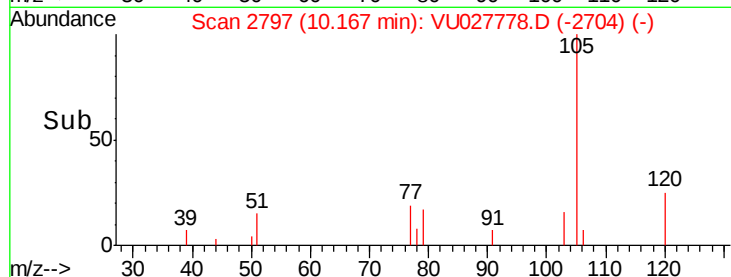
77 17.3 13.7 20.5



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.227 ug/L

RT: 10.46 min Scan# 2889

Delta R.T. 0.01 min

Lab File: VU027778.D

Acq: 24 Oct 2018 12:11

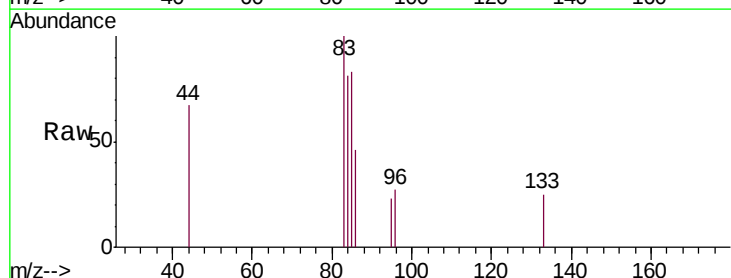
Tgt Ion: 83 Resp: 682

Ion Ratio Lower Upper

83 100

85 83.4 45.5 84.5

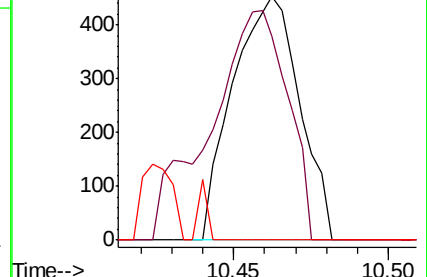
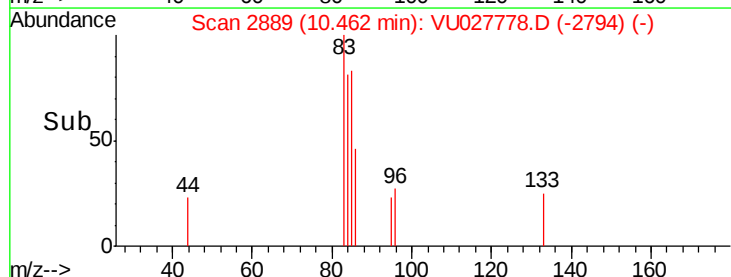
131 0.0 8.8 13.2#

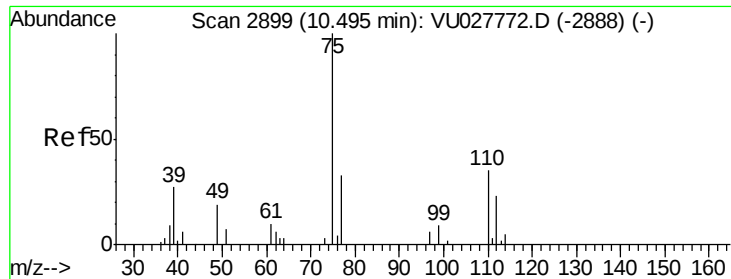


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

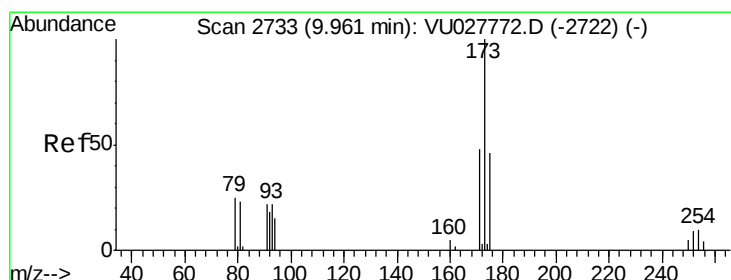
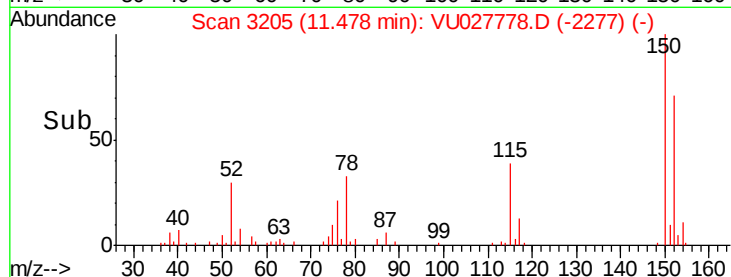
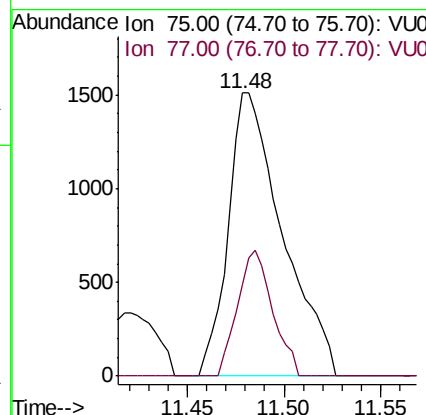
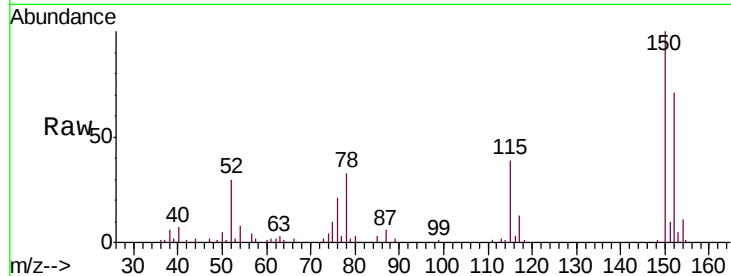




#59
 1,2,3-Trichloropropane
 Concen: 1.234 ug/L
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.98 min
 Lab File: VU027778.D
 Acq: 24 Oct 2018 12:11

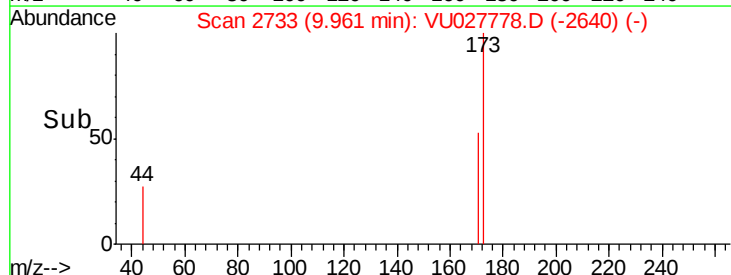
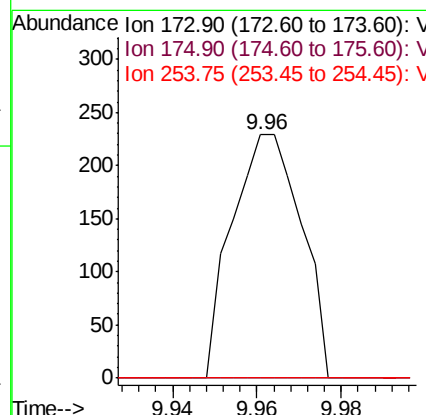
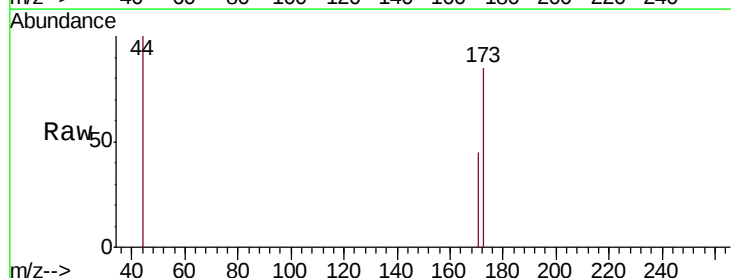
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

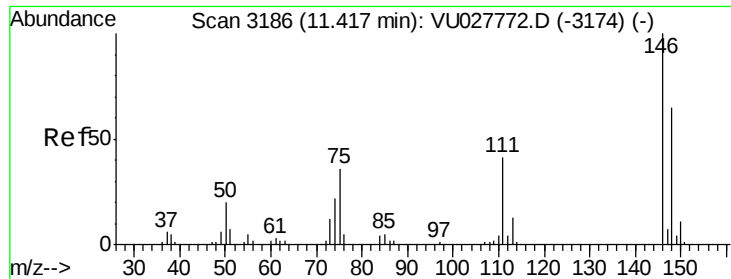
Tgt Ion: 75 Resp: 2939
 Ion Ratio Lower Upper
 75 100
 77 28.6 26.4 39.6



#61
 Bromoform
 Concen: 0.161 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU027778.D
 Acq: 24 Oct 2018 12:11

Tgt Ion: 173 Resp: 262
 Ion Ratio Lower Upper
 173 100
 175 0.0 37.7 56.5#
 254 0.0 7.2 10.8#





#62

1,3-Dichlorobenzene

Concen: 0.259 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU027778.D

Acq: 24 Oct 2018 12:11

Instrument :

MSVOA_U

ClientSampleId :

MDL02

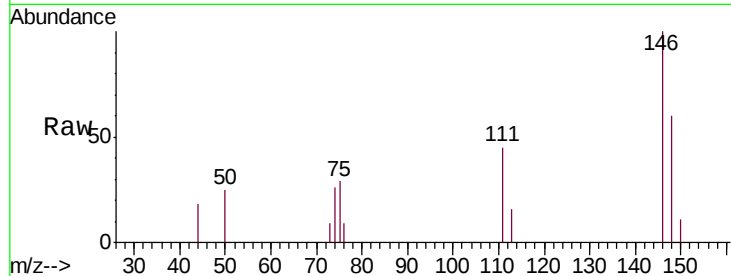
Tgt Ion:146 Resp: 1760

Ion Ratio Lower Upper

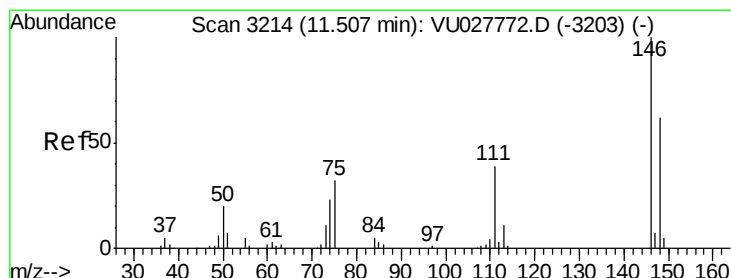
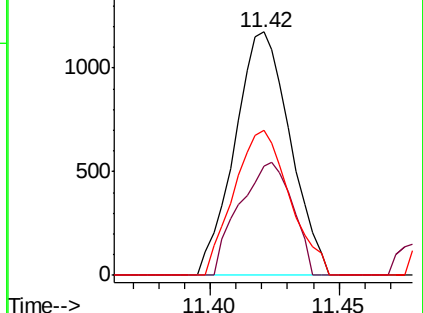
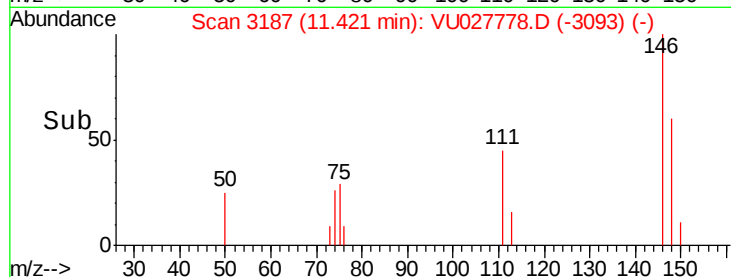
146 100

111 45.1 28.6 53.0

148 59.7 45.1 83.9



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



#63

1,4-Dichlorobenzene

Concen: 0.280 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027778.D

Acq: 24 Oct 2018 12:11

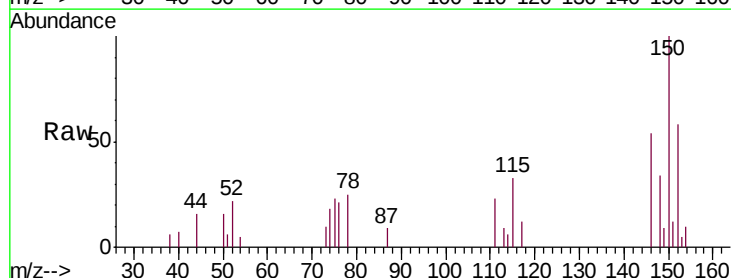
Tgt Ion:146 Resp: 1922

Ion Ratio Lower Upper

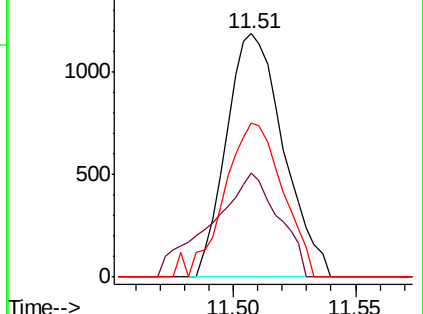
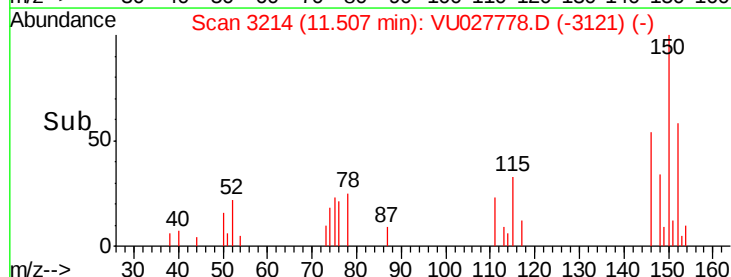
146 100

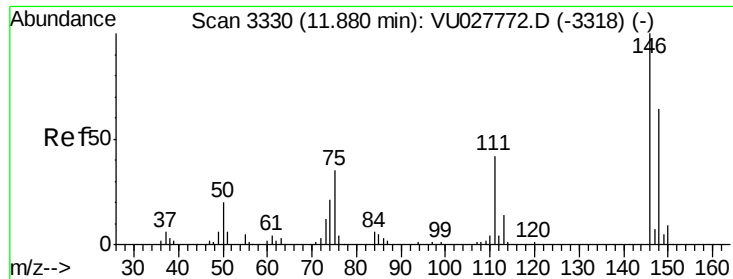
111 42.5 27.6 51.4

148 63.0 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: 0.263 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027778.D

Acq: 24 Oct 2018 12:11

Instrument :

MSVOA_U

ClientSampled :

MDL02

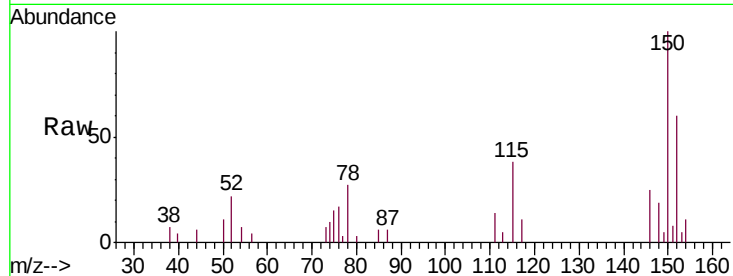
Tgt Ion:146 Resp: 1682

Ion Ratio Lower Upper

146 100

111 55.5 33.7 50.5#

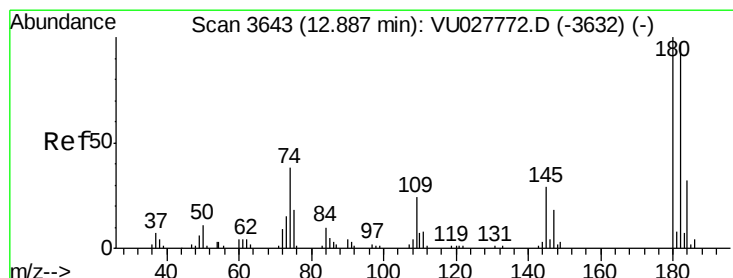
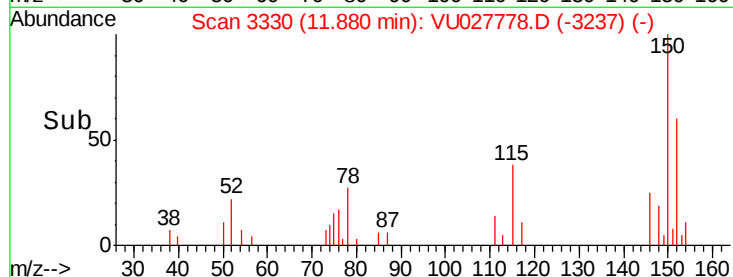
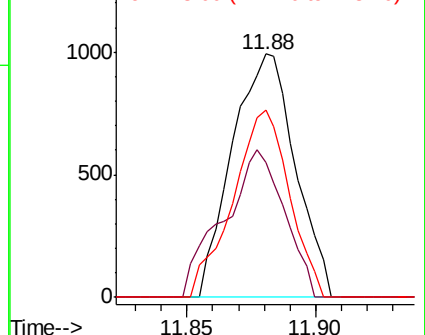
148 76.8 50.8 76.2#



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: 0.258 ug/L

RT: 12.89 min Scan# 3645

Delta R.T. 0.01 min

Lab File: VU027778.D

Acq: 24 Oct 2018 12:11

Tgt Ion:180 Resp: 1407

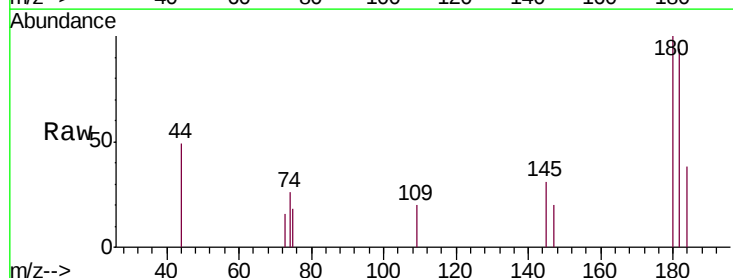
Ion Ratio Lower Upper

180 100

182 95.9 78.9 118.3

184 25.1 24.6 37.0

145 27.0 23.4 35.0

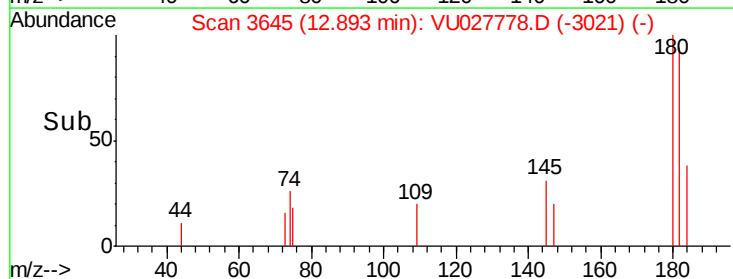
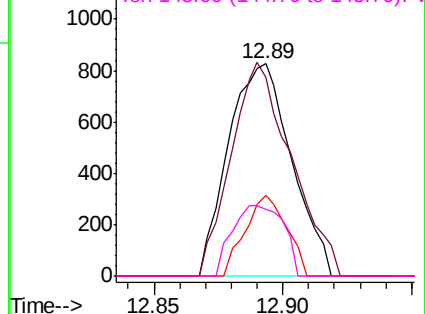


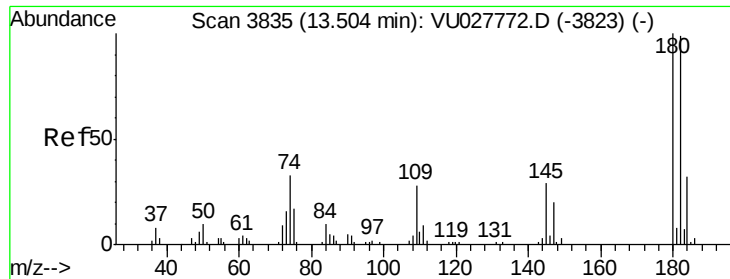
Abundance Ion 180.00 (179.70 to 180.70): V

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

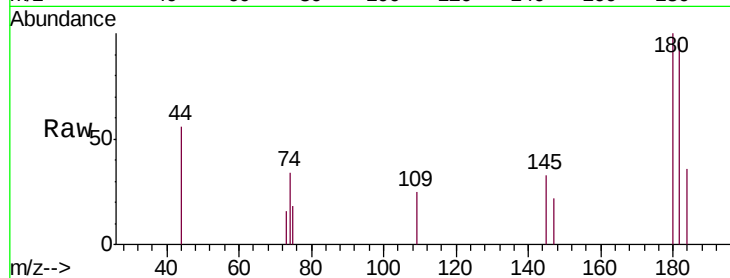




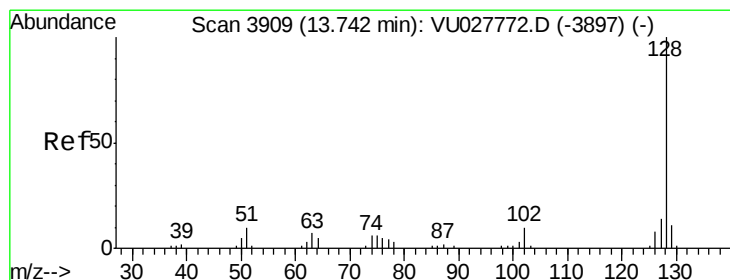
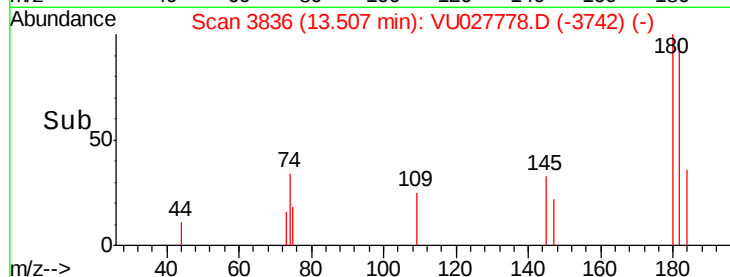
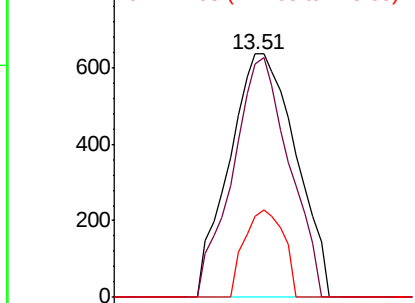
#68
1,2,4-trichlorobenzene
Concen: 0.241 ug/L
RT: 13.51 min Scan# 3836
Delta R.T. 0.00 min
Lab File: VU027778.D
Acq: 24 Oct 2018 12:11

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion:180 Resp: 1143
Ion Ratio Lower Upper
180 100
182 83.5 77.6 116.4
145 21.2 23.7 35.5#

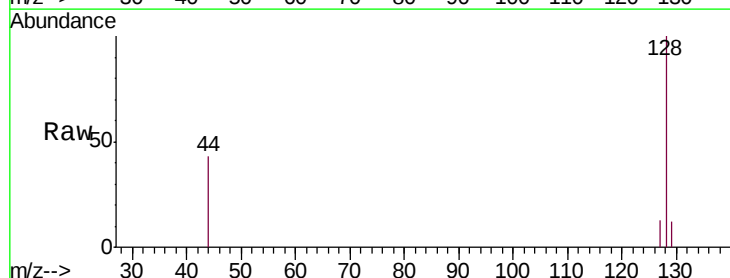


Abundance Ion 179.90 (179.60 to 180.60): V
Ion 182.00 (181.70 to 182.70): V
Ion 144.95 (144.65 to 145.65): V

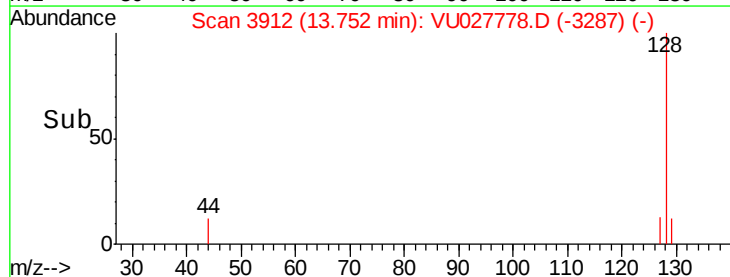
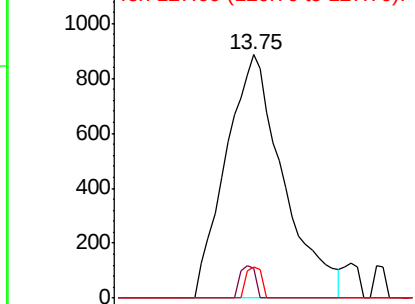


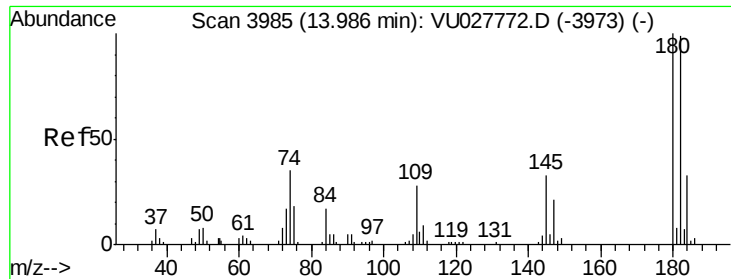
#69
Naphthalene
Concen: 0.228 ug/L
RT: 13.75 min Scan# 3912
Delta R.T. 0.01 min
Lab File: VU027778.D
Acq: 24 Oct 2018 12:11

Tgt Ion:128 Resp: 1758
Ion Ratio Lower Upper
128 100
129 3.6 8.8 13.2#
127 3.5 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: 0.231 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU027778.D

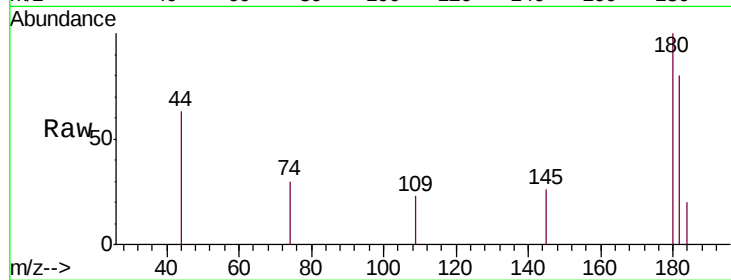
Acq: 24 Oct 2018 12:11

Instrument :

MSVOA_U

ClientSampleId :

MDL02



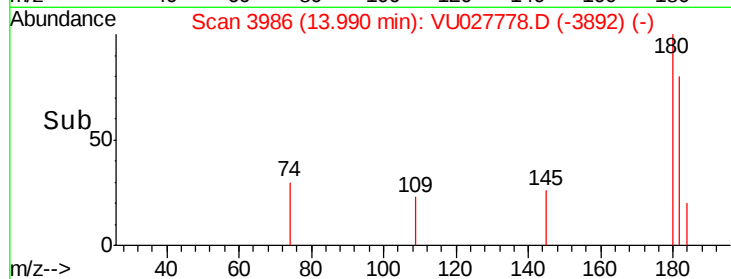
Tgt Ion:180 Resp: 1011

Ion Ratio Lower Upper

180 100

182 98.2 76.9 115.3

145 25.0 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

