

Data File : VU027780.D
Acq On : 24 Oct 2018 12:59
Operator : MD/SY
Sample : MDL04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Quant Time: Oct 25 04:38:38 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	40243	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	38747	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	18508	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	15372	4.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.60%
7) Chloroethane-d5	1.68	69	12113	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	2.28	63	23739	3.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.60%
20) 2-Butanone-d5	4.21	46	51320	51.45	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.90%
24) Chloroform-d	4.65	84	27844	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.31	65	17354	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.34	84	52904	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.33	67	19144	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.57	98	50063	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
43) trans-1,3-Dichloropropene-	7.85	79	7668	5.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.00%
46) 2-Hexanone-d5	8.32	63	42199	51.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.82%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	13941	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	18441	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	927	0.238 ug/L	96
3) Chloromethane	1.33	50	1206	0.275 ug/L	83
5) Vinyl chloride	1.40	62	1075	0.255 ug/L #	74
6) Bromomethane	1.63	94	531	0.246 ug/L	100
8) Chloroethane	1.70	64	686	0.301 ug/L	97
9) Trichlorofluoromethane	1.89	101	1379	0.247 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	751	0.267 ug/L	88
12) 1,1-Dichloroethene	2.29	96	729	0.278 ug/L #	1
13) Acetone	2.35	43	1492	2.075 ug/L	93
14) Carbon disulfide	2.48	76	2446	0.272 ug/L #	93
15) Methyl Acetate	2.63	43	939	0.467 ug/L #	57
16) Methylene chloride	2.71	84	1056	0.341 ug/L	93
17) Methyl tert-butyl Ether	3.01	73	1118	0.133 ug/L #	37
18) trans-1,2-Dichloroethene	2.99	96	695	0.247 ug/L	94
19) 1,1-Dichloroethane	3.44	63	1560	0.251 ug/L #	79
21) 2-Butanone	4.31	43	3385	2.869 ug/L	79
22) cis-1,2-Dichloroethene	4.24	96	708	0.212 ug/L	81

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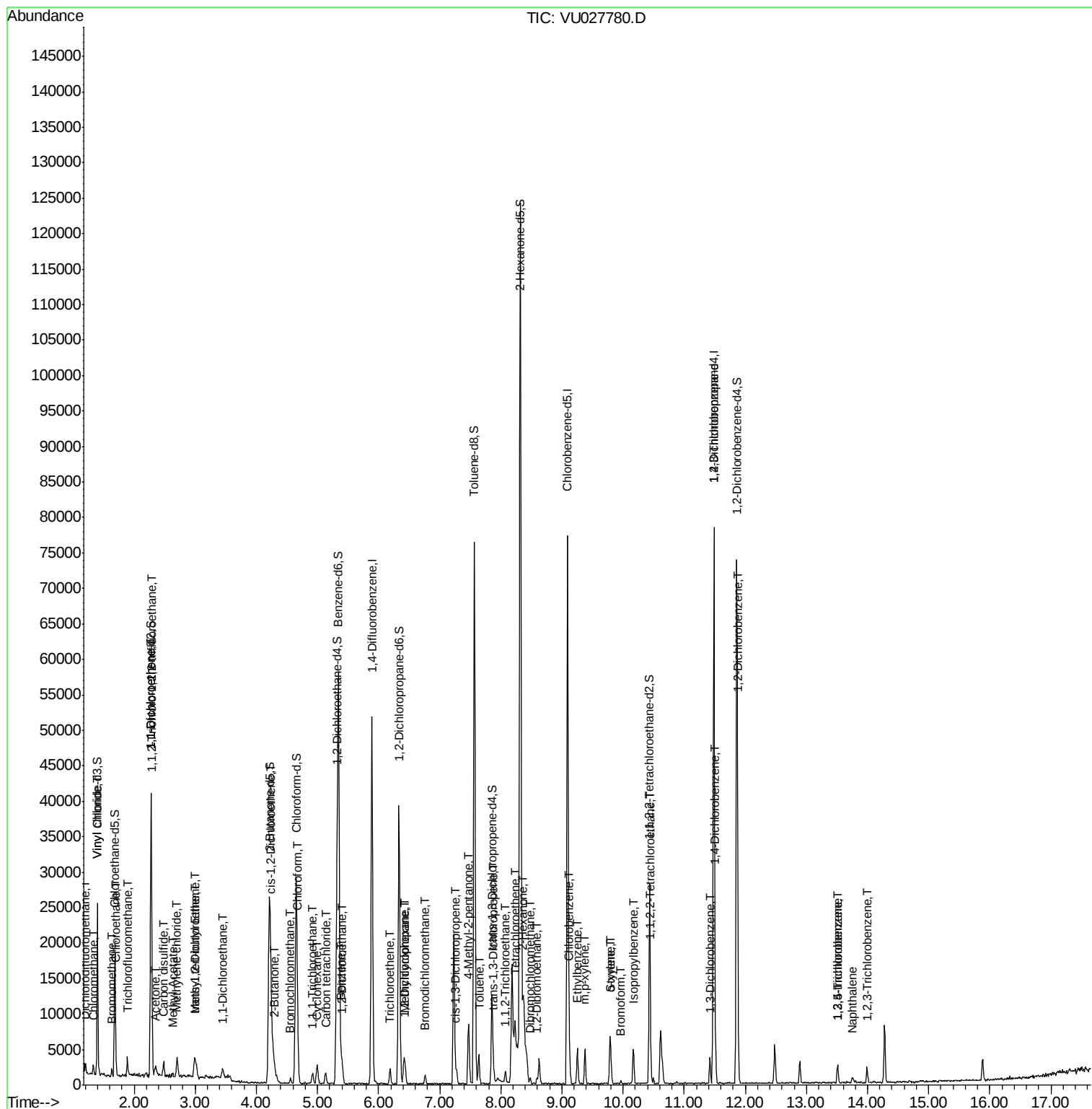
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	95	0.070	ug/L #	80
25) Chloroform	4.68	83	1820	0.291	ug/L	95
27) 1,2-Dichloroethane	5.41	62	1056	0.228	ug/L #	79
29) 1,1,1-Trichloroethane	4.92	97	1235	0.222	ug/L	91
30) Cyclohexane	4.99	56	1458	0.234	ug/L #	92
31) Carbon tetrachloride	5.14	117	1132	0.237	ug/L	90
33) Benzene	5.39	78	3113	0.242	ug/L	100
34) Trichloroethene	6.19	95	850	0.255	ug/L	92
35) Methylcyclohexane	6.41	83	1411	0.253	ug/L #	84
37) 1,2-Dichloropropane	6.44	63	883	0.234	ug/L #	90
38) Bromodichloromethane	6.76	83	1081	0.239	ug/L #	97
39) cis-1,3-Dichloropropene	7.27	75	1345	0.248	ug/L	92
40) 4-Methyl-2-pentanone	7.47	43	6699	2.370	ug/L #	93
42) Toluene	7.64	91	3188	0.230	ug/L	86
44) trans-1,3-Dichloropropene	7.88	75	1030	0.226	ug/L	94
45) 1,1,2-Trichloroethane	8.08	97	491	0.215	ug/L	96
47) Tetrachloroethene	8.23	164	626	0.231	ug/L	86
48) 2-Hexanone	8.37	43	6047	3.011	ug/L #	91
49) Dibromochloromethane	8.48	129	534	0.184	ug/L	98
50) 1,2-Dibromoethane	8.59	107	504	0.227	ug/L #	90
51) Chlorobenzene	9.12	112	2156	0.253	ug/L	94
52) Ethylbenzene	9.25	91	3811	0.237	ug/L	97
53) m,p-xylene	9.38	106	1354	0.238	ug/L	90
54) o-xylene	9.78	106	1248	0.224	ug/L	85
55) Styrene	9.80	104	2237	0.237	ug/L	98
56) Isopropylbenzene	10.17	105	3825	0.248	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.46	83	854	0.285	ug/L #	84
59) 1,2,3-Trichloropropane	11.48	75	3139	1.319	ug/L	90
61) Bromoform	9.96	173	341	0.219	ug/L #	76
62) 1,3-Dichlorobenzene	11.42	146	1706	0.262	ug/L	93
63) 1,4-Dichlorobenzene	11.51	146	1648	0.251	ug/L	95
65) 1,2-Dichlorobenzene	11.88	146	1620	0.265	ug/L	97
67) 1,3,5-Trichlorobenzene	13.51	180	1015	0.194	ug/L	96
68) 1,2,4-trichlorobenzene	13.51	180	1015	0.224	ug/L	99
69) Naphthalene	13.75	128	1423	0.193	ug/L #	69
70) 1,2,3-Trichlorobenzene	13.99	180	980	0.234	ug/L #	94

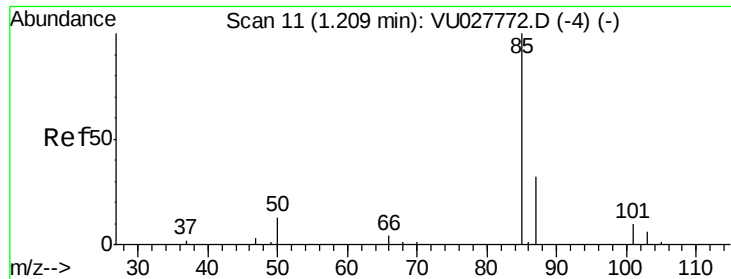
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.238 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027780.D

Acq: 24 Oct 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

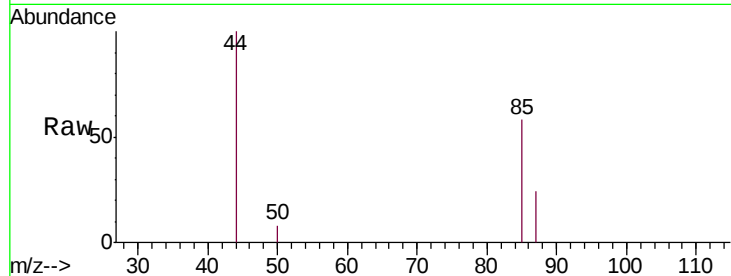
MDL04

Tgt Ion: 85 Resp: 927

Ion Ratio Lower Upper

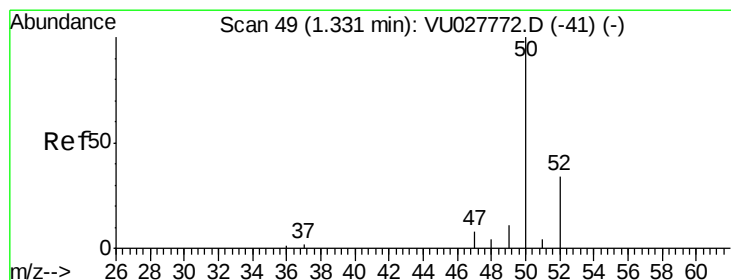
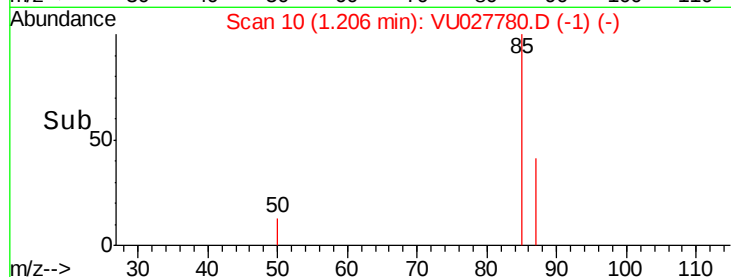
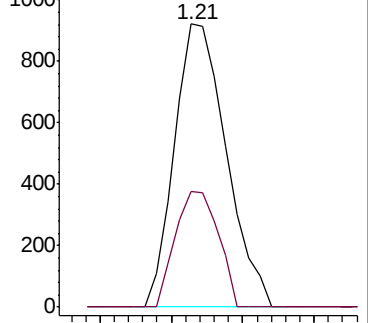
85 100

87 33.8 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: 0.275 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027780.D

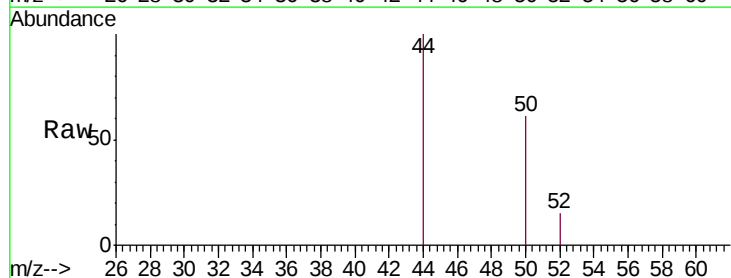
Acq: 24 Oct 2018 12:59

Tgt Ion: 50 Resp: 1206

Ion Ratio Lower Upper

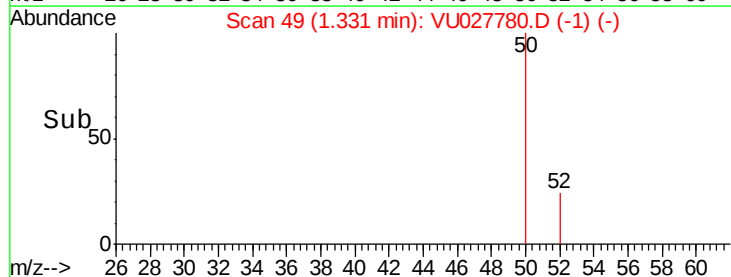
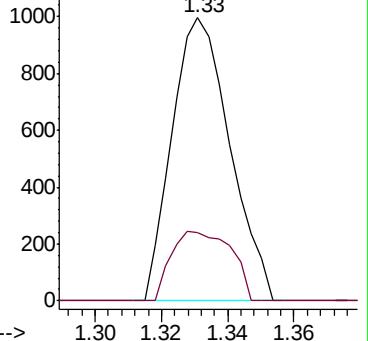
50 100

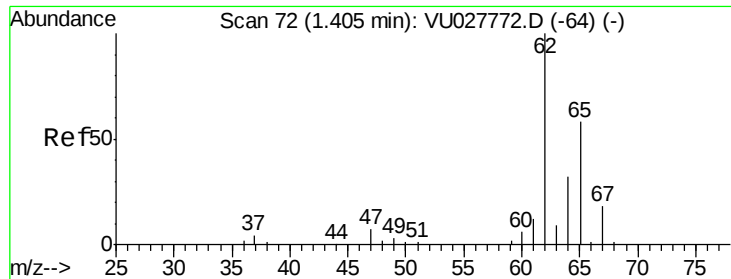
52 24.0 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.255 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027780.D

Acq: 24 Oct 2018 12:59

Instrument :

MSVOA_U

ClientSampled :

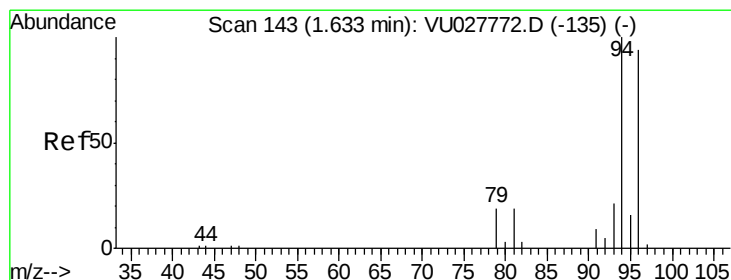
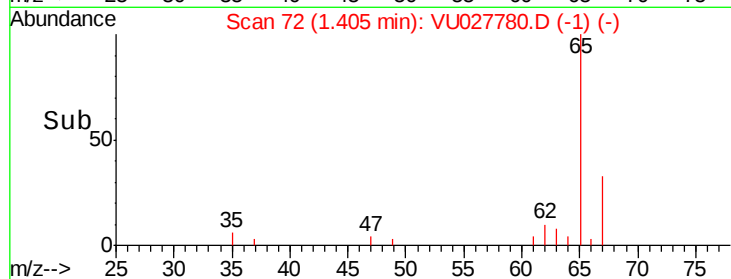
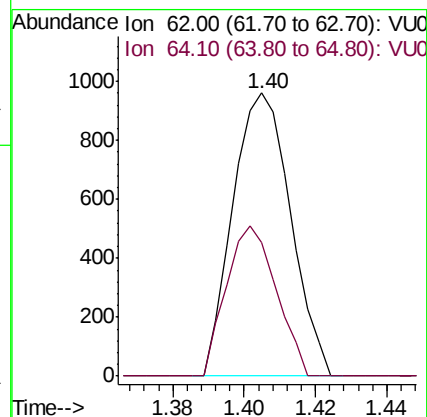
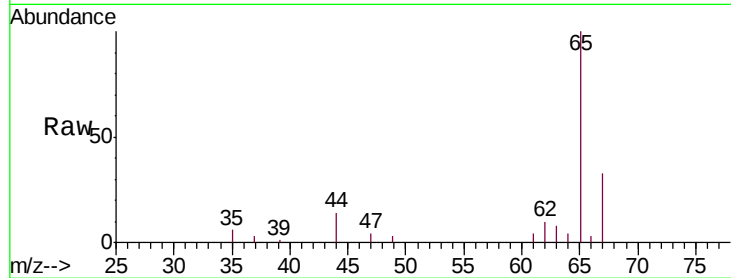
MDL04

Tgt Ion: 62 Resp: 1075

Ion Ratio Lower Upper

62 100

64 47.0 22.7 42.1#



#6

Bromomethane

Concen: 0.246 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027780.D

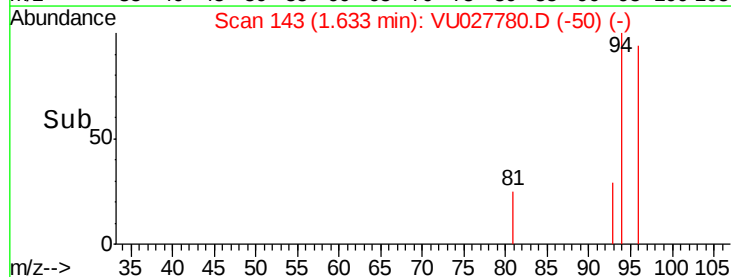
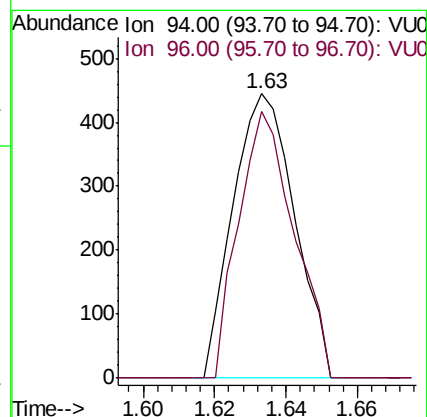
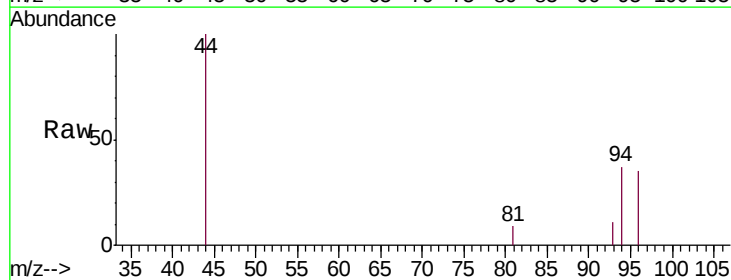
Acq: 24 Oct 2018 12:59

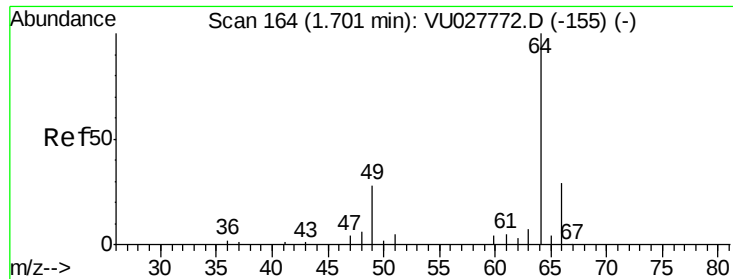
Tgt Ion: 94 Resp: 531

Ion Ratio Lower Upper

94 100

96 93.9 65.5 121.7





#8

Chloroethane

Concen: 0.301 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU027780.D

Acq: 24 Oct 2018 12:59

Instrument :

MSVOA_U

ClientSampled :

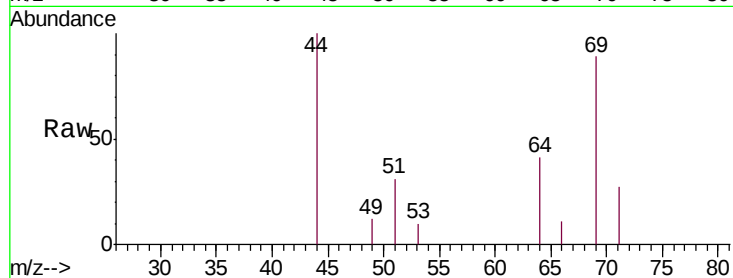
MDL04

Tgt Ion: 64 Resp: 686

Ion Ratio Lower Upper

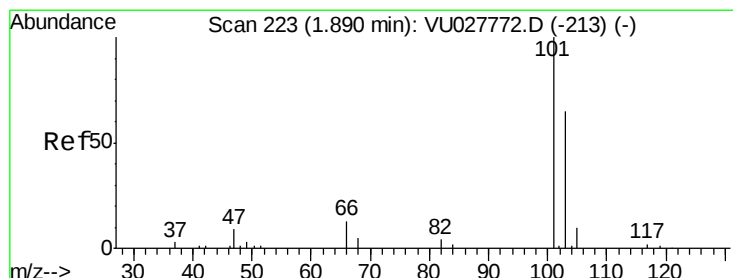
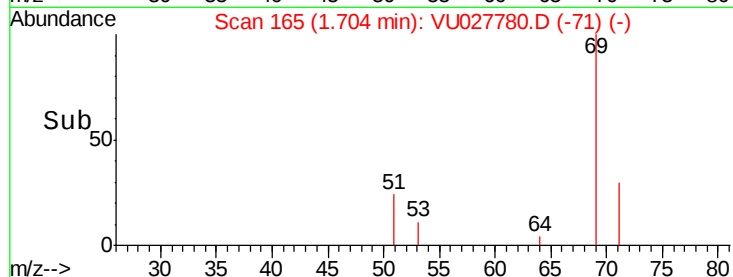
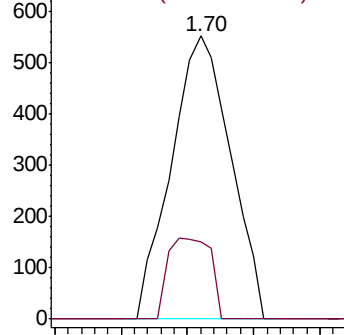
64 100

66 27.4 20.3 37.7



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#9

Trichlorofluoromethane

Concen: 0.247 ug/L

RT: 1.89 min Scan# 223

Delta R.T. 0.00 min

Lab File: VU027780.D

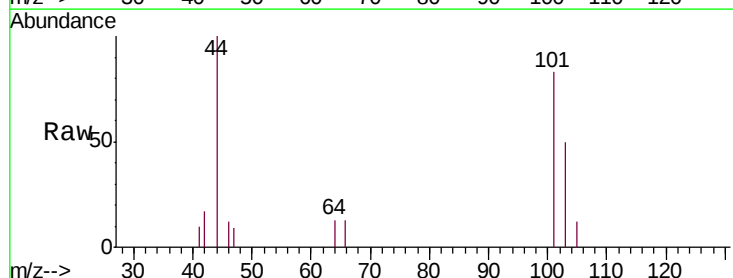
Acq: 24 Oct 2018 12:59

Tgt Ion: 101 Resp: 1379

Ion Ratio Lower Upper

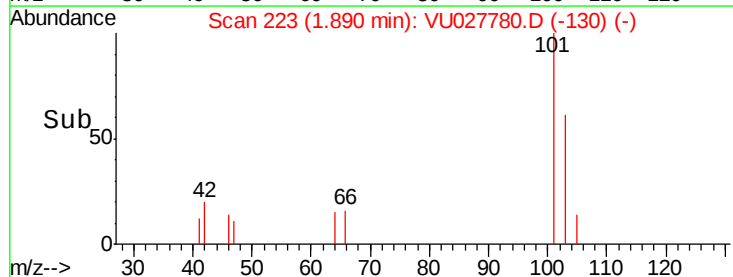
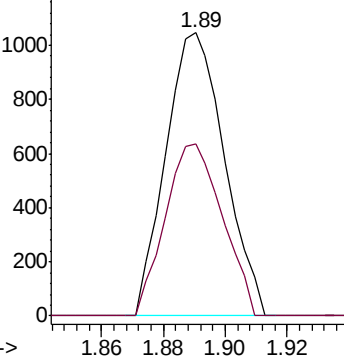
101 100

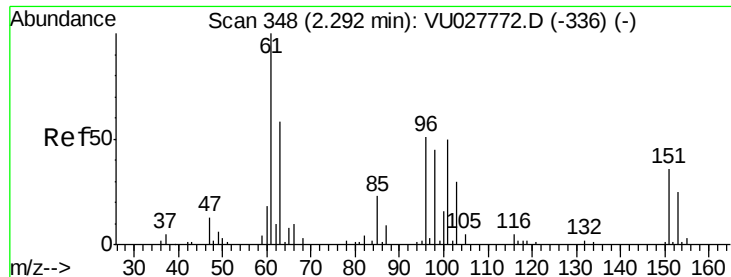
103 59.2 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 0.267 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU027780.D

Acq: 24 Oct 2018 12:59

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MDL04

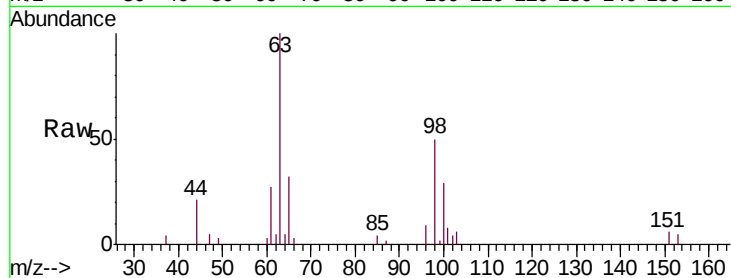
Tgt Ion: 101 Resp: 751

Ion Ratio Lower Upper

101 100

85 40.7 38.1 57.1

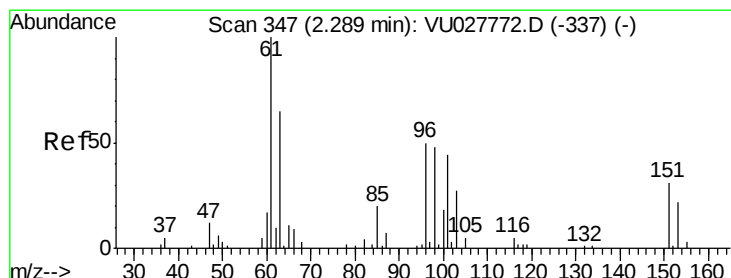
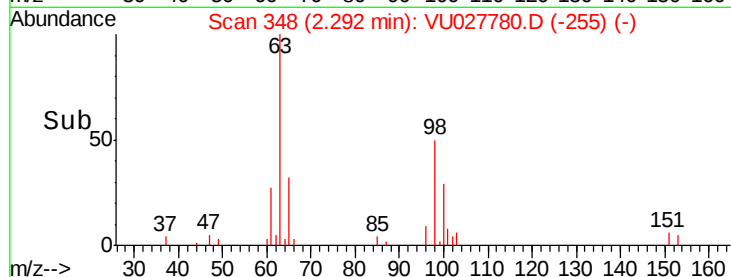
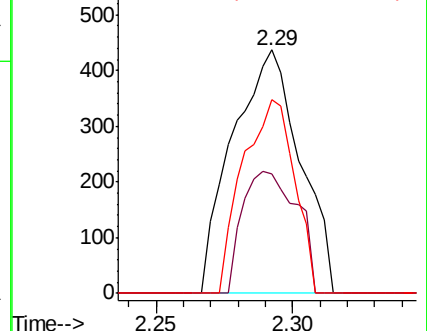
151 60.9 57.0 85.4



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: 0.278 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027780.D

Acq: 24 Oct 2018 12:59

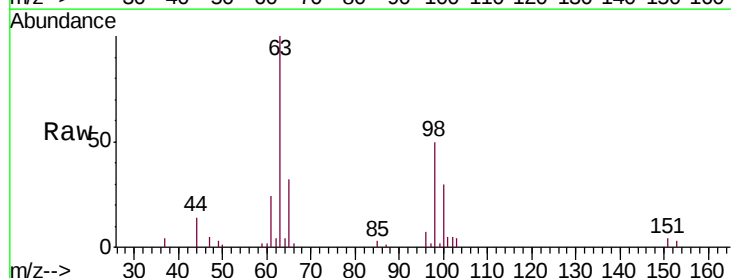
Tgt Ion: 96 Resp: 729

Ion Ratio Lower Upper

96 100

61 354.9 143.8 267.0#

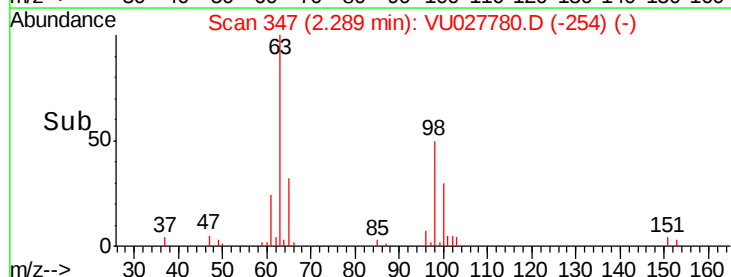
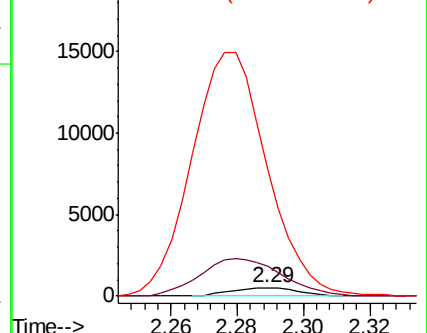
63 1484.8 105.1 195.3#

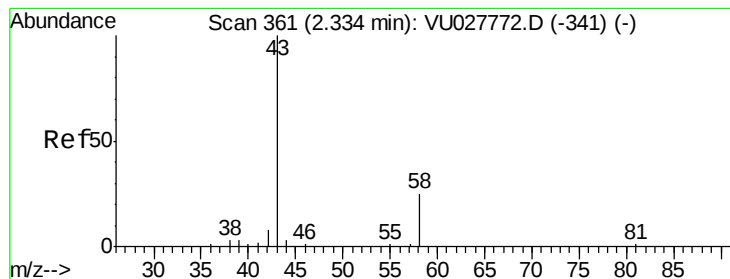


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.075 ug/L

RT: 2.35 min Scan# 367

Delta R.T. 0.02 min

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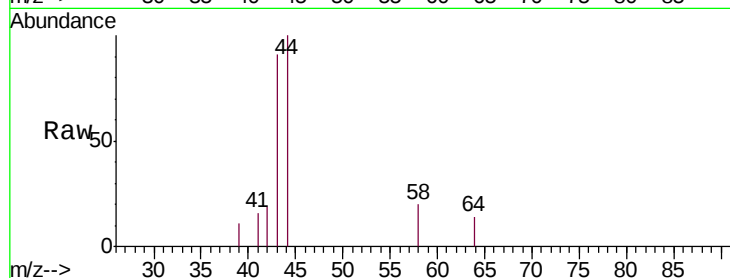
MDL04

Tgt Ion: 43 Resp: 1492

Ion Ratio Lower Upper

43 100

58 30.0 0.0 52.8



Abundance Ion 43.05 (42.75 to 43.75): VU027772.D (-341) (-)

Ion 58.05 (57.75 to 58.75): VU027772.D (-341) (-)

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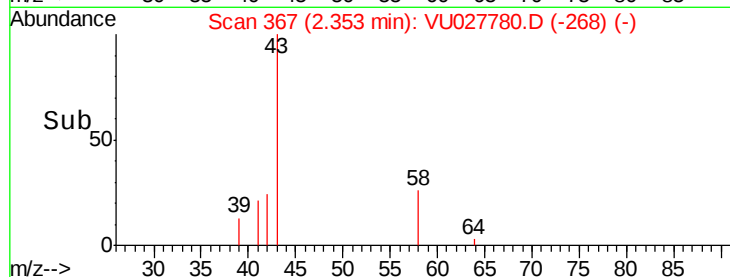
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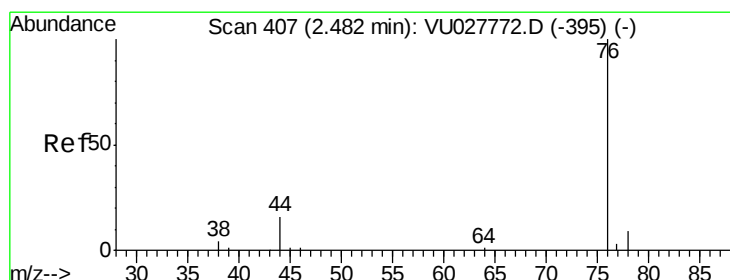
2.35

2.35

2.35



Time-->



#14

Carbon disulfide

Concen: 0.272 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027780.D

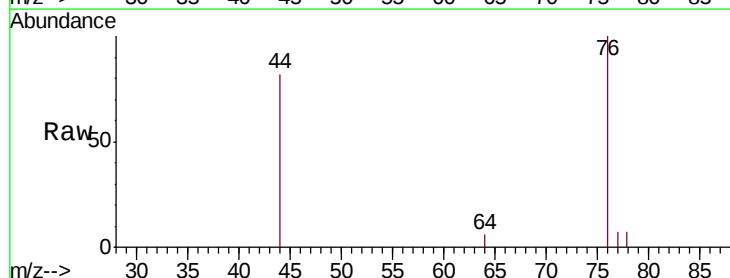
Acq: 24 Oct 2018 12:59

Tgt Ion: 76 Resp: 2446

Ion Ratio Lower Upper

76 100

78 6.6 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VU027772.D (-395) (-)

Ion 78.00 (77.70 to 78.70): VU027772.D (-395) (-)

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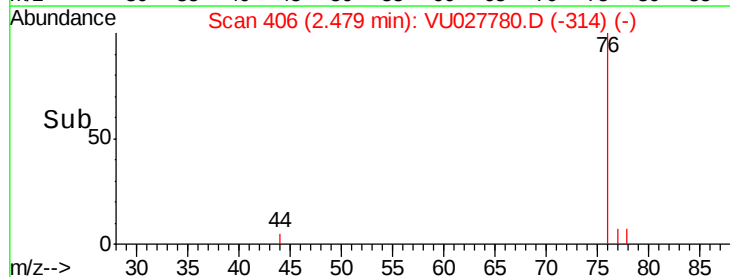
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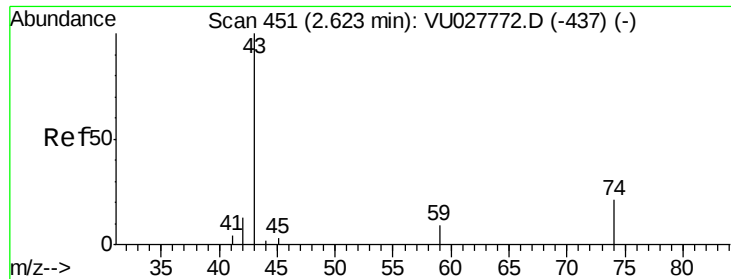
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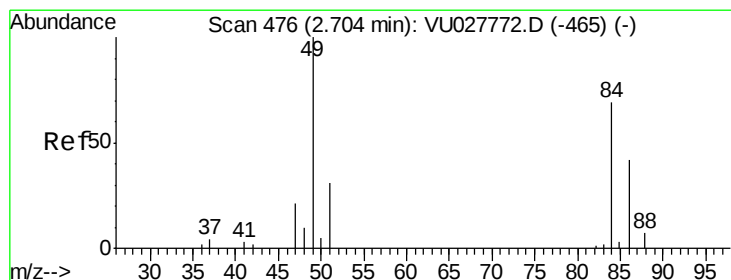
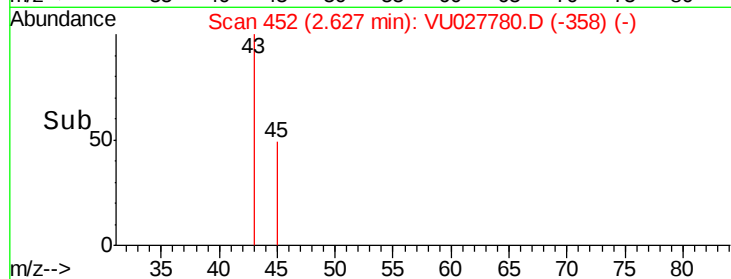
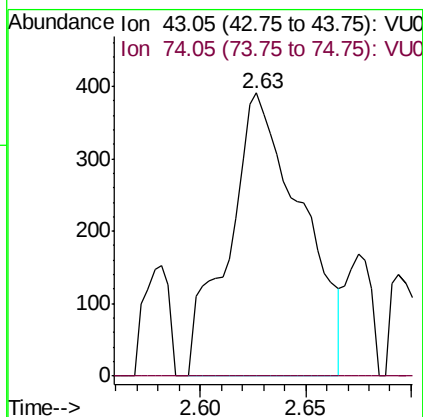
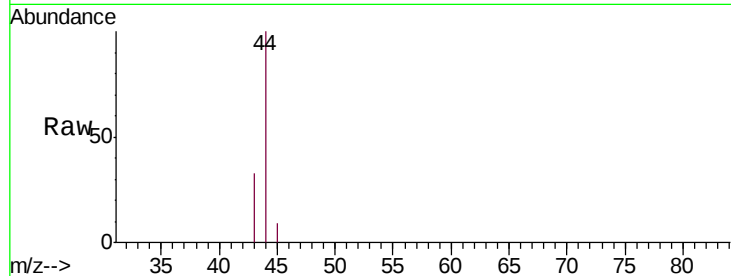
Time-->



#15
Methyl Acetate
Concen: 0.467 ug/L
RT: 2.63 min Scan# 452
Delta R.T. 0.00 min
Lab File: VU027780.D
Acq: 24 Oct 2018 12:59

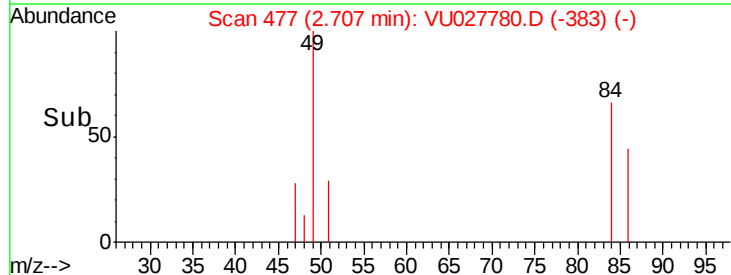
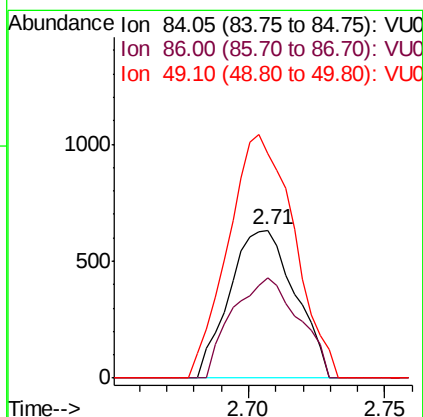
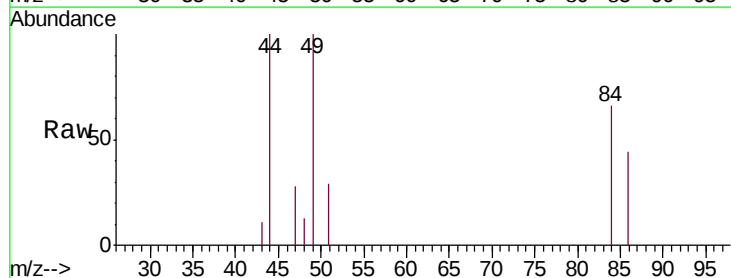
Instrument :
MSVOA_U
ClientSampled :
MDL04

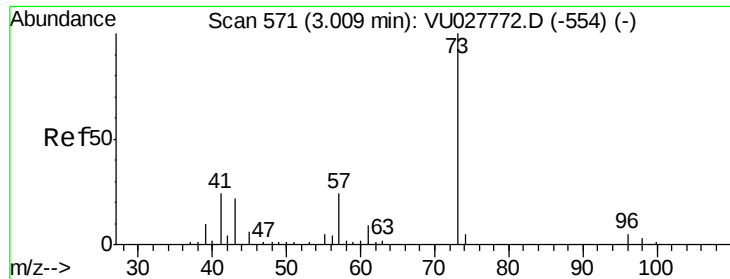
Tgt Ion: 43 Resp: 939
Ion Ratio Lower Upper
43 100
74 0.0 15.8 23.8#



#16
Methylene chloride
Concen: 0.341 ug/L
RT: 2.71 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU027780.D
Acq: 24 Oct 2018 12:59

Tgt Ion: 84 Resp: 1056
Ion Ratio Lower Upper
84 100
86 67.6 42.8 79.4
49 152.1 101.4 188.4





#17

Methyl tert-butyl Ether

Concen: 0.133 ug/L

RT: 3.01 min Scan# 570

Delta R.T. -0.00 min

Lab File: VU027780.D

Acq: 24 Oct 2018 12:59

Instrument :

MSVOA_U

ClientSampled :

MDL04

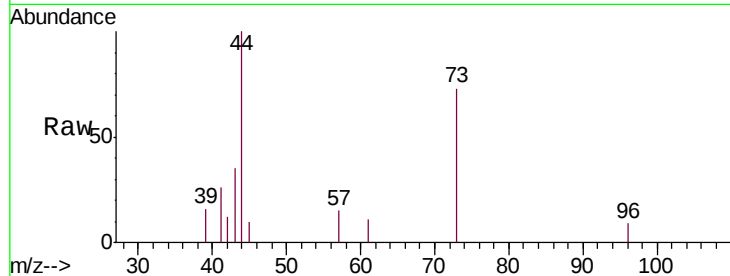
Tgt Ion: 73 Resp: 1118

Ion Ratio Lower Upper

73 100

43 78.4 18.6 28.0#

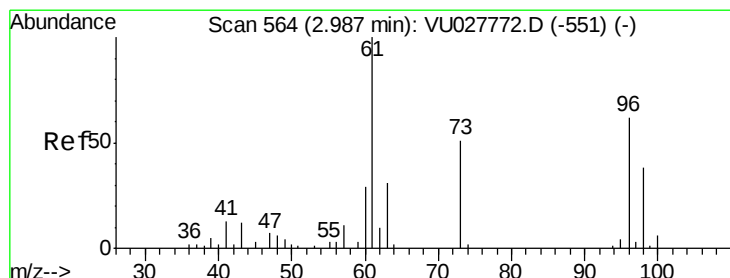
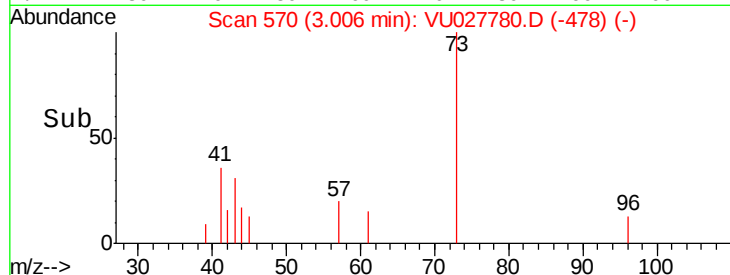
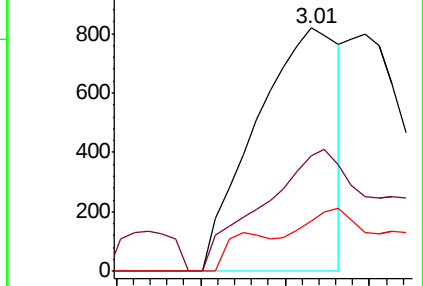
57 28.2 18.2 27.2#



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: 0.247 ug/L

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU027780.D

Acq: 24 Oct 2018 12:59

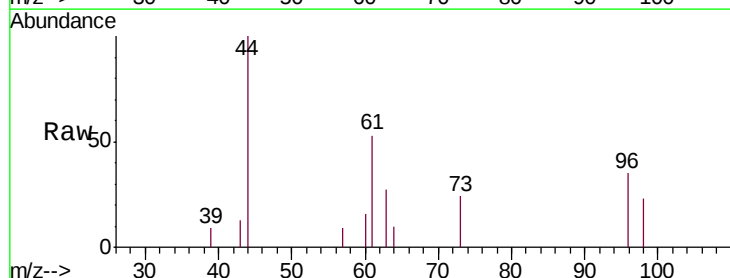
Tgt Ion: 96 Resp: 695

Ion Ratio Lower Upper

96 100

61 152.0 112.1 208.3

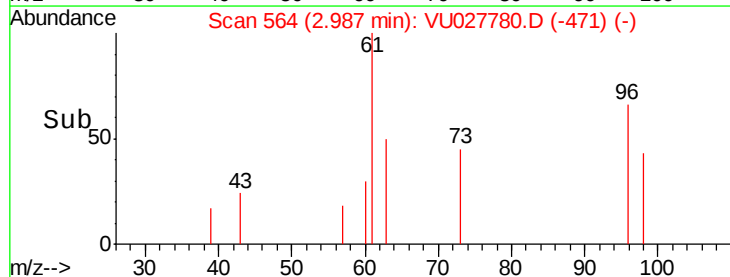
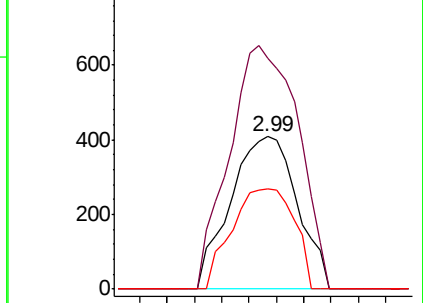
98 65.4 42.1 78.3

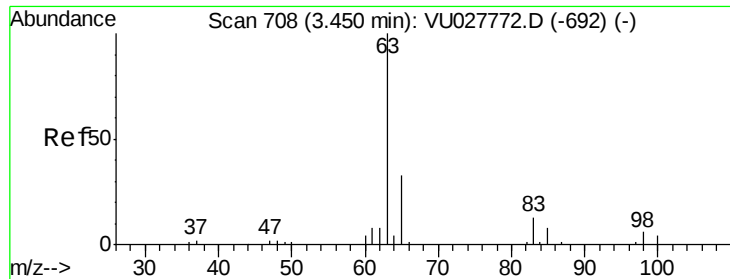


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0

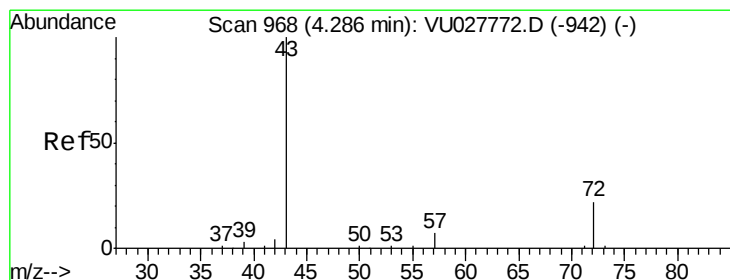
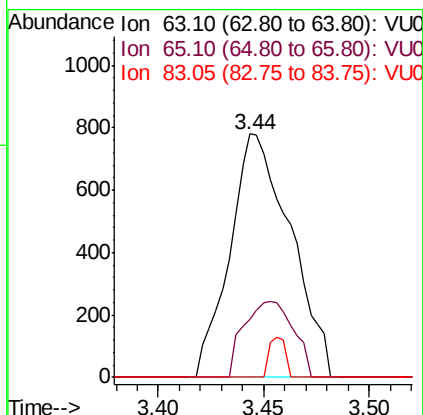
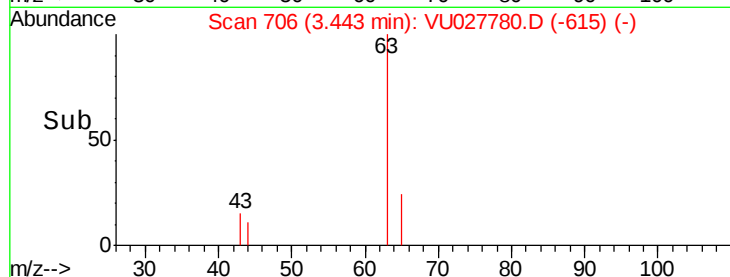
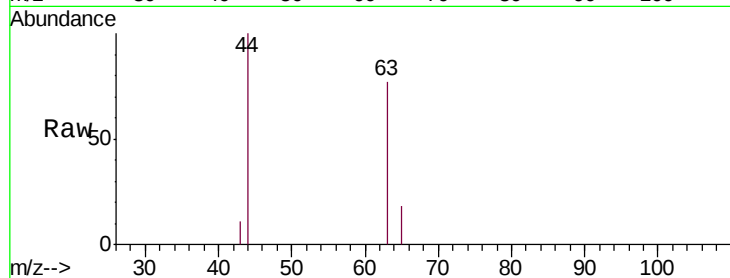




#19
 1,1-Dichloroethane
 Concen: 0.251 ug/L
 RT: 3.44 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VU027780.D
 Acq: 24 Oct 2018 12:59

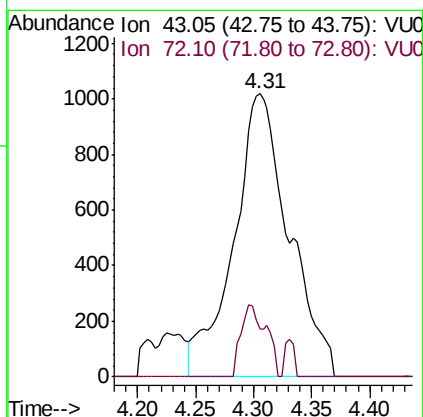
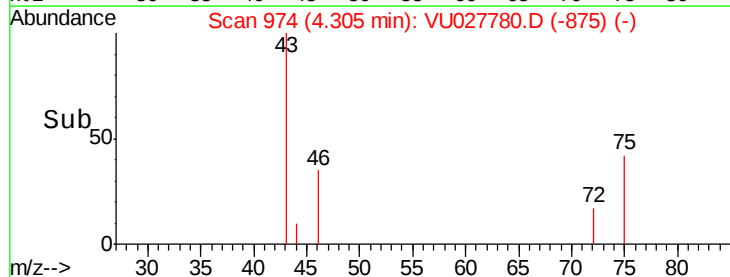
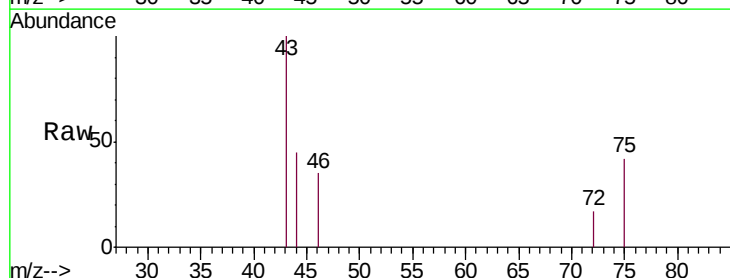
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

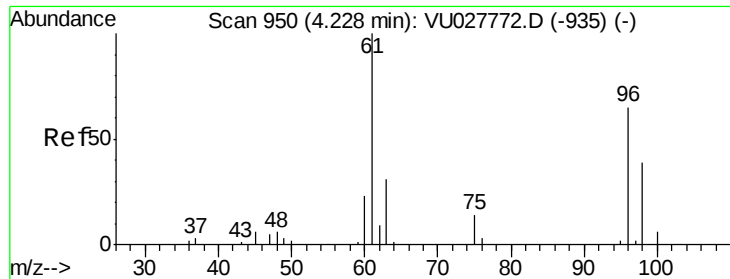
Tgt Ion: 63 Resp: 1560
 Ion Ratio Lower Upper
 63 100
 65 23.7 23.1 42.9
 83 0.0 9.2 17.0#



#21
 2-Butanone
 Concen: 2.869 ug/L
 RT: 4.31 min Scan# 974
 Delta R.T. 0.02 min
 Lab File: VU027780.D
 Acq: 24 Oct 2018 12:59

Tgt Ion: 43 Resp: 3385
 Ion Ratio Lower Upper
 43 100
 72 11.4 10.5 31.6

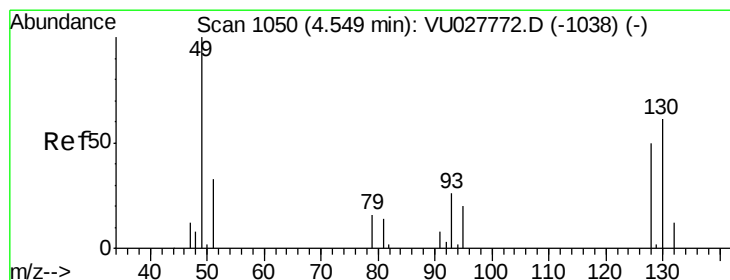
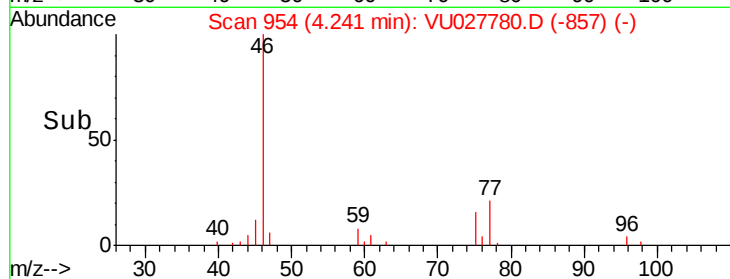
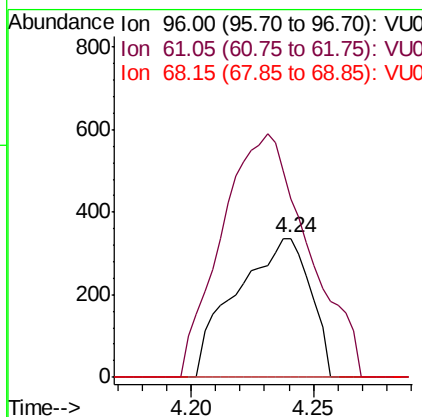
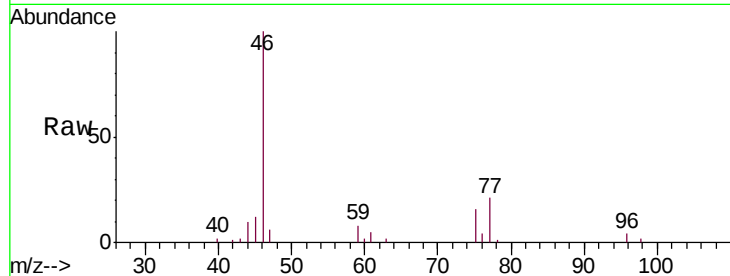




#22
 cis-1,2-Dichloroethene
 Concen: 0.212 ug/L
 RT: 4.24 min Scan# 954
 Delta R.T. 0.01 min
 Lab File: VU027780.D
 Acq: 24 Oct 2018 12:59

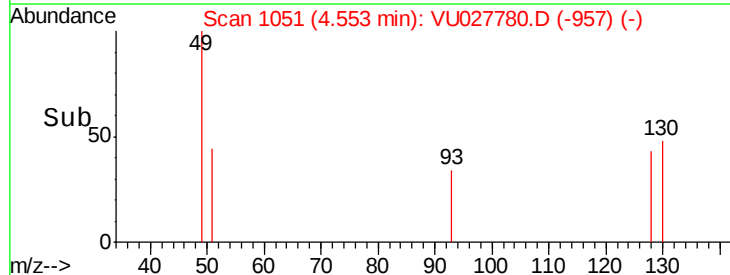
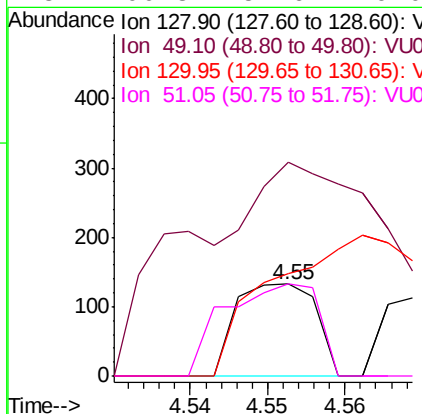
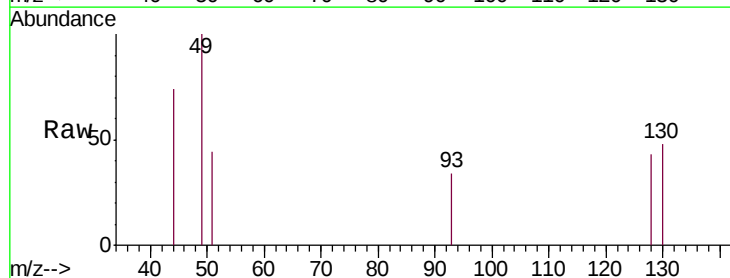
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

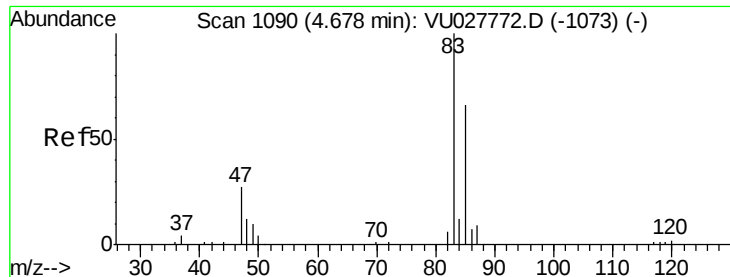
Tgt Ion:	96	Resp:	708
Ion	Ratio	Lower	Upper
96	100		
61	128.3	107.2	199.0
68	0.0	0.0	0.0



#23
 Bromochloromethane
 Concen: 0.070 ug/L
 RT: 4.55 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU027780.D
 Acq: 24 Oct 2018 12:59

Tgt Ion:	128	Resp:	95
Ion	Ratio	Lower	Upper
128	100		
49	231.6	142.8	265.2
130	111.3	86.0	159.8
51	100.8	52.6	79.0

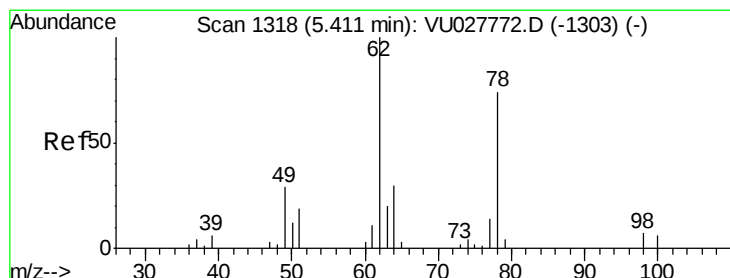
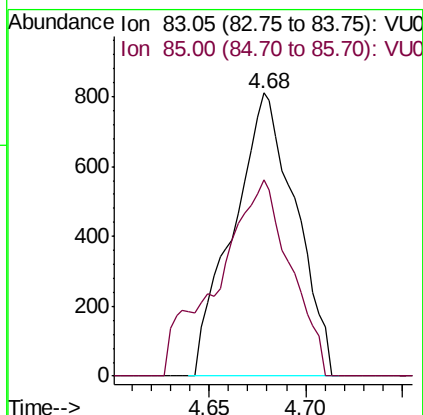
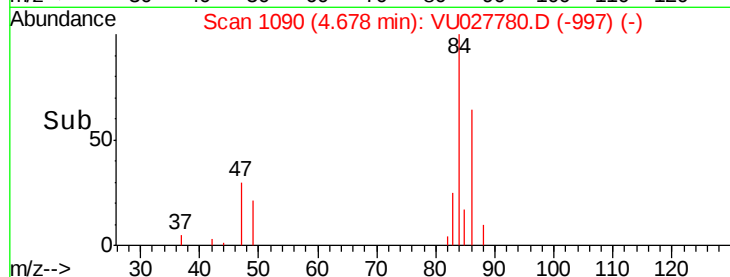
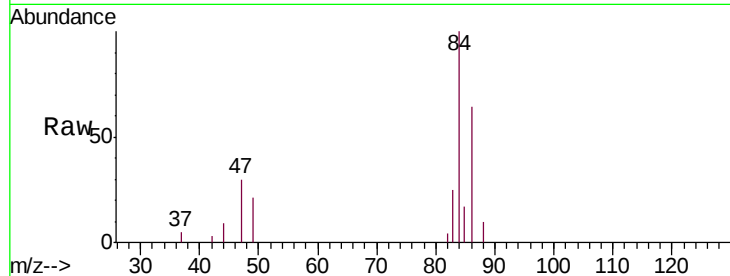




#25
Chloroform
Concen: 0.291 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027780.D
Acq: 24 Oct 2018 12:59

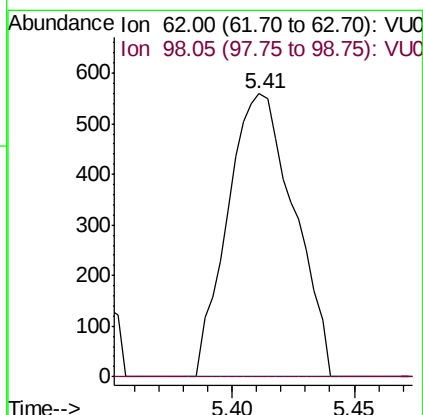
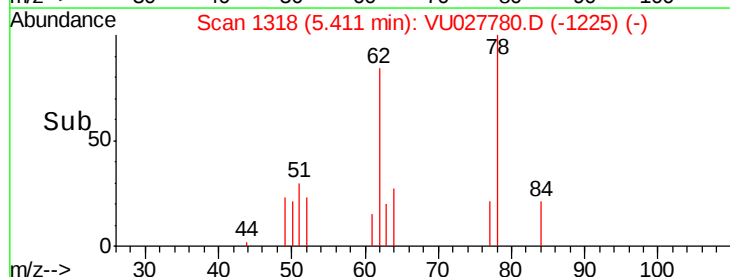
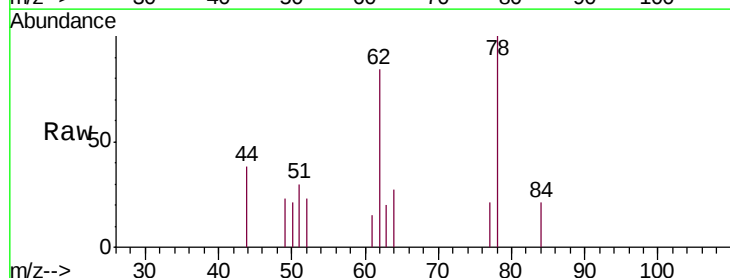
Instrument :
MSVOA_U
ClientSampleId :
MDL04

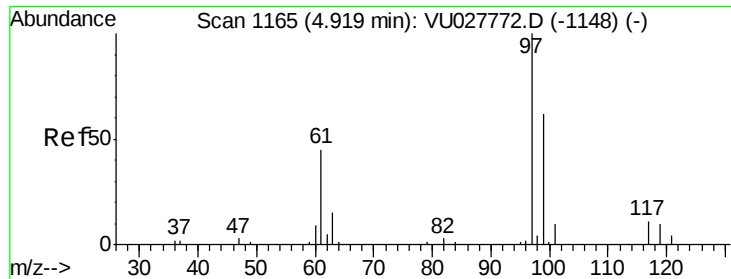
Tgt Ion: 83 Resp: 1820
Ion Ratio Lower Upper
83 100
85 69.5 45.8 85.2



#27
1,2-Dichloroethane
Concen: 0.228 ug/L
RT: 5.41 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VU027780.D
Acq: 24 Oct 2018 12:59

Tgt Ion: 62 Resp: 1056
Ion Ratio Lower Upper
62 100
98 0.0 5.7 8.5#

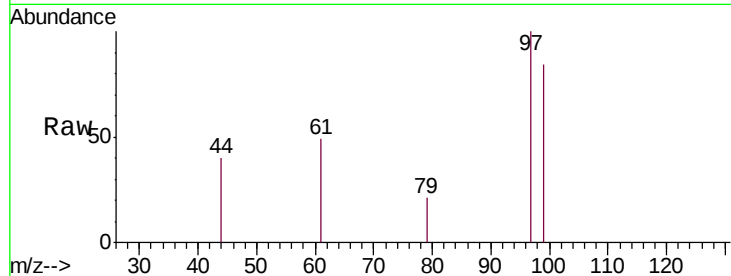




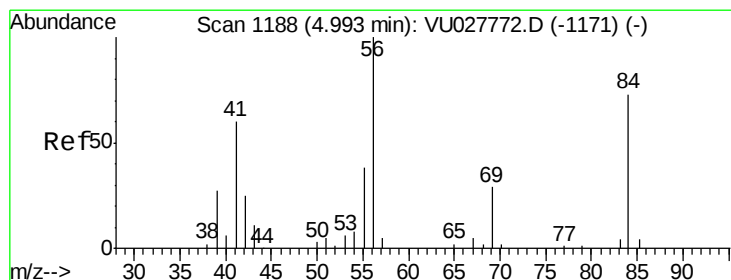
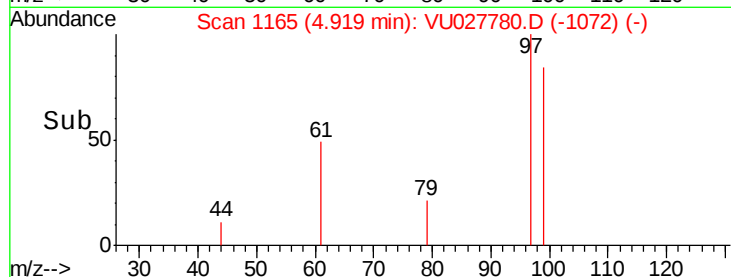
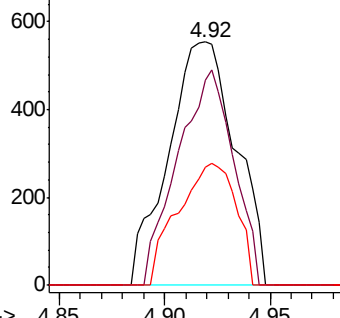
#29
1,1,1-Trichloroethane
Concen: 0.222 ug/L
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027780.D
Acq: 24 Oct 2018 12:59

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion: 97 Resp: 1235
Ion Ratio Lower Upper
97 100
99 73.3 51.3 76.9
61 43.2 36.7 55.1

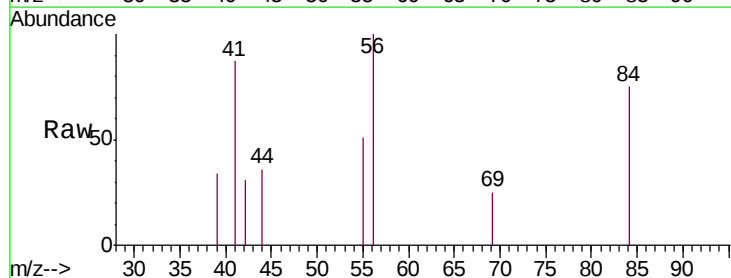


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

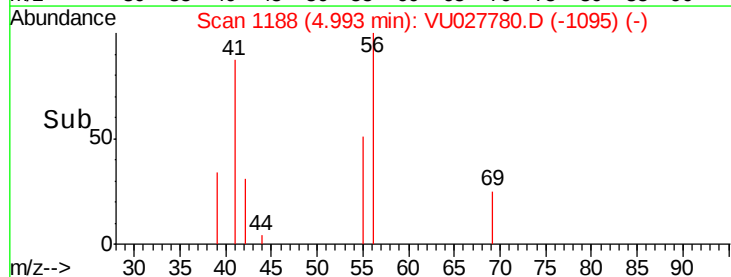
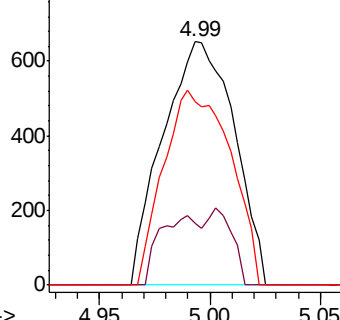


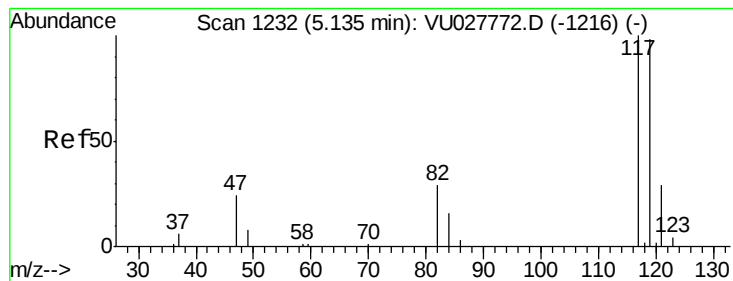
#30
Cyclohexane
Concen: 0.234 ug/L
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU027780.D
Acq: 24 Oct 2018 12:59

Tgt Ion: 56 Resp: 1458
Ion Ratio Lower Upper
56 100
69 16.5 22.2 33.4#
84 75.2 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: 5.14 min Scan# 1234

Delta R.T. 0.01 min

Lab File: VU027780.D

Acq: 24 Oct 2018 12:59

Instrument :

MSVOA_U

ClientSampled :

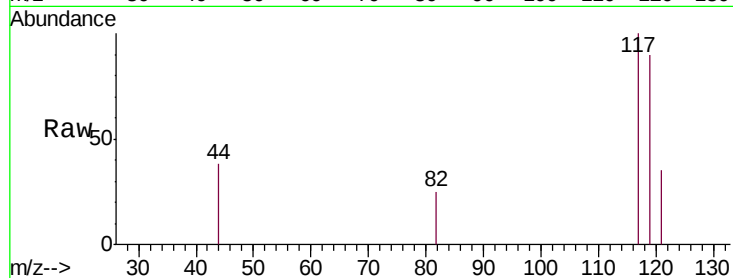
MDL04

Tgt Ion:117 Resp: 1132

Ion Ratio Lower Upper

117 100

119 86.0 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

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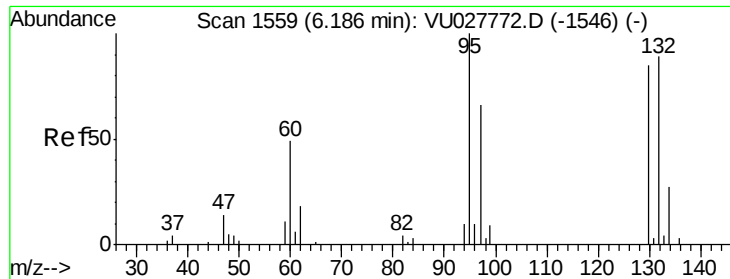
7.73

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7.76

7.77



#34

Trichloroethene

Concen: 0.255 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027780.D

Acq: 24 Oct 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tgt Ion: 95 Resp: 850

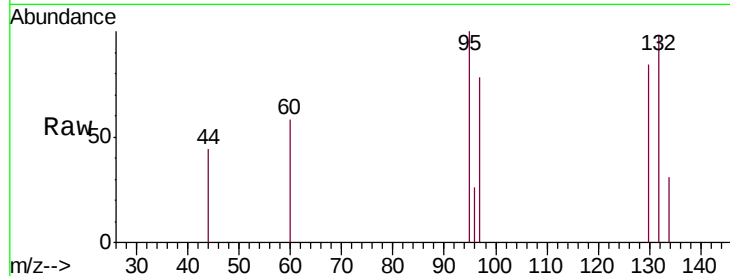
Ion Ratio Lower Upper

95 100

97 78.2 46.4 86.2

132 97.6 62.0 115.2

130 83.9 59.5 110.5

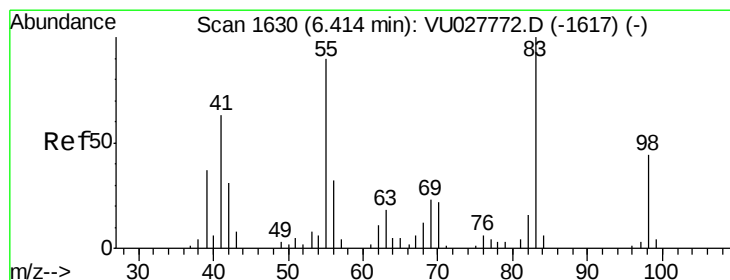
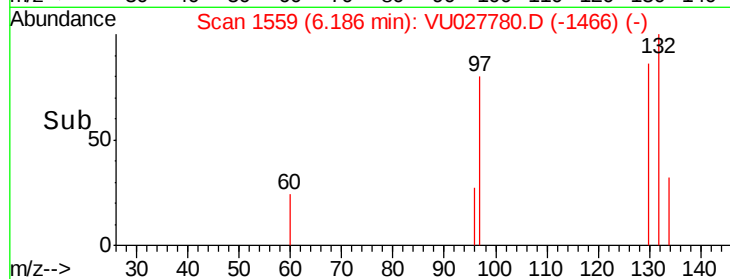
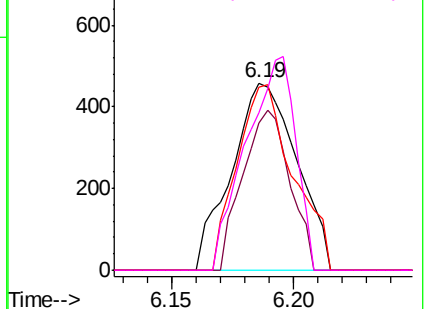


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.253 ug/L

RT: 6.41 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU027780.D

Acq: 24 Oct 2018 12:59

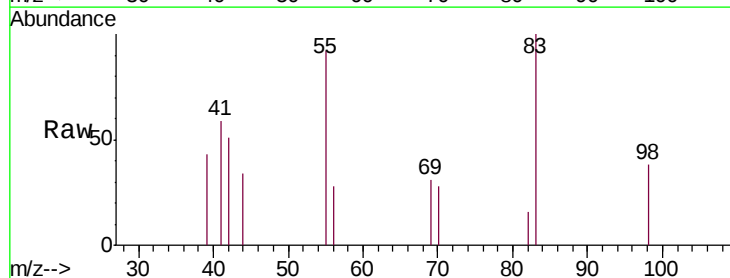
Tgt Ion: 83 Resp: 1411

Ion Ratio Lower Upper

83 100

55 92.2 71.5 107.3

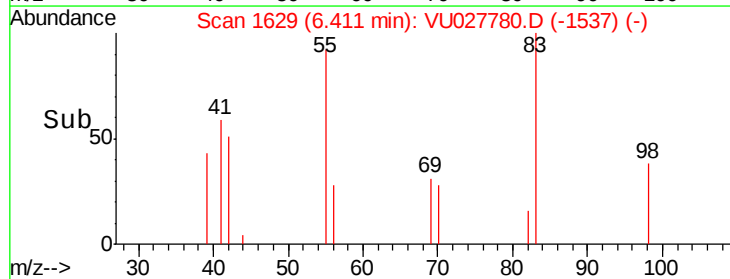
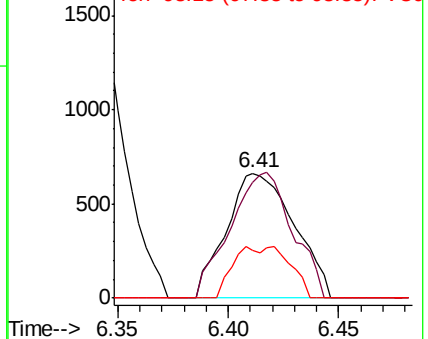
98 17.4 35.4 53.0#

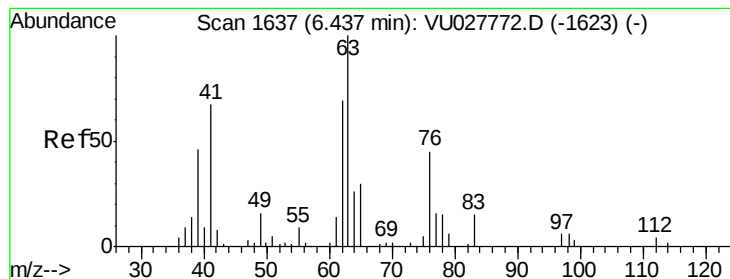


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.234 ug/L

RT: 6.44 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VU027780.D

Acq: 24 Oct 2018 12:59

Instrument :

MSVOA_U

ClientSampled :

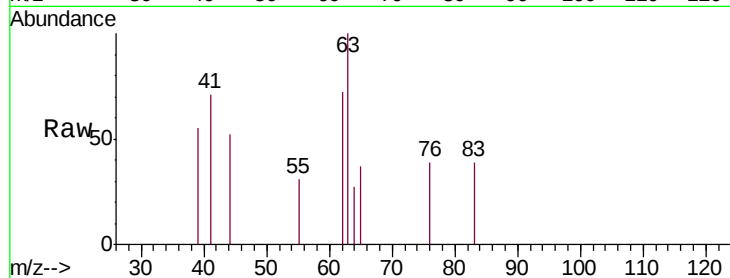
MDL04

Tgt Ion: 63 Resp: 883

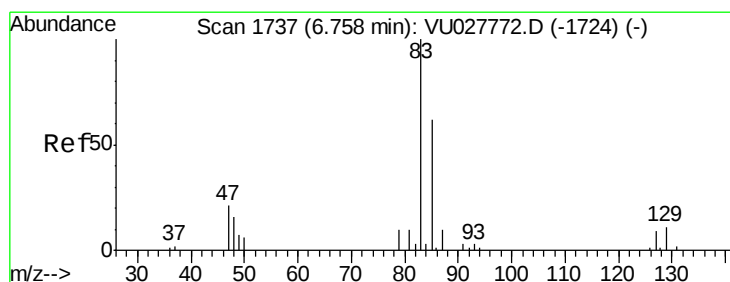
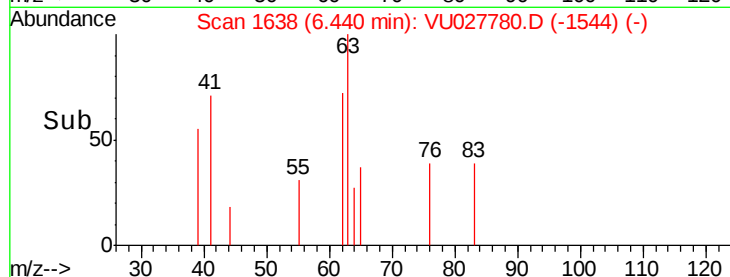
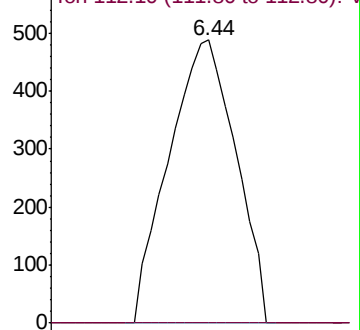
Ion Ratio Lower Upper

63 100

112 0.0 2.7 4.1#



Abundance Ion 63.10 (62.80 to 63.80): VU027772.D (-1623) (-)



#38

Bromodichloromethane

Concen: 0.239 ug/L

RT: 6.76 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VU027780.D

Acq: 24 Oct 2018 12:59

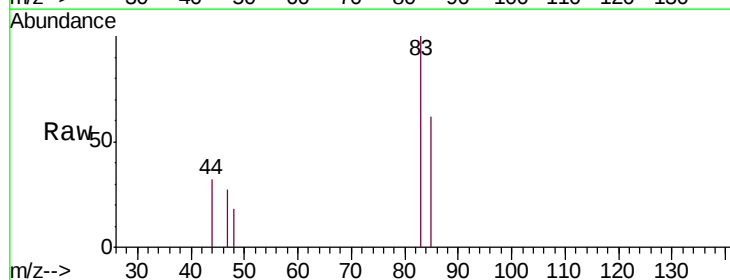
Tgt Ion: 83 Resp: 1081

Ion Ratio Lower Upper

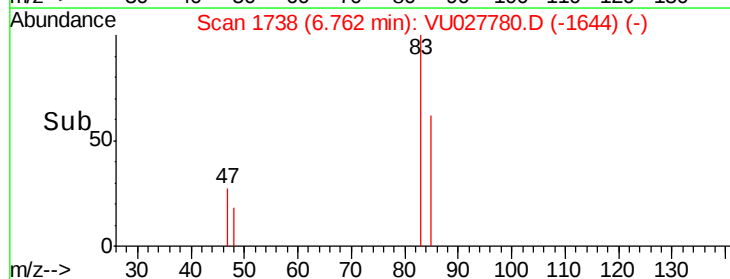
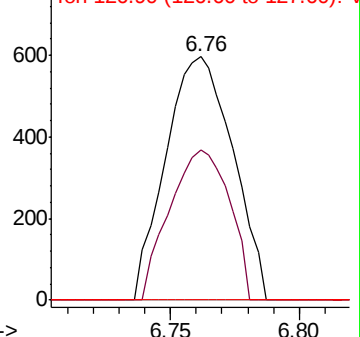
83 100

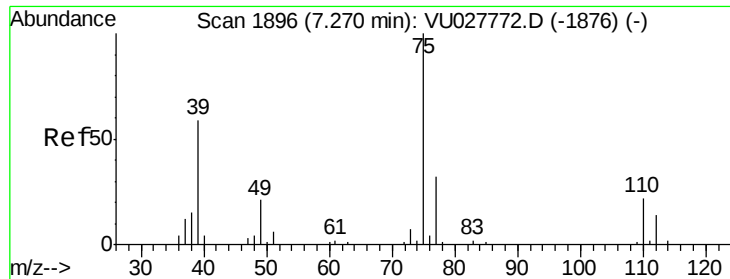
85 61.6 43.3 80.5

127 0.0 7.2 10.8#



Abundance Ion 82.95 (82.65 to 83.65): VU027772.D (-1724) (-)





#39

cis-1,3-Dichloropropene

Concen: 0.248 ug/L

RT: 7.27 min Scan# 1897

Delta R.T. 0.00 min

Lab File: VU027780.D

Acq: 24 Oct 2018 12:59

Instrument :

MSVOA_U

ClientSampled :

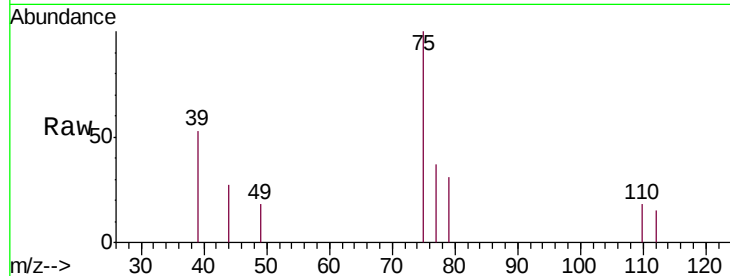
MDL04

Tgt Ion: 75 Resp: 1345

Ion Ratio Lower Upper

75 100

77 36.8 22.5 41.7

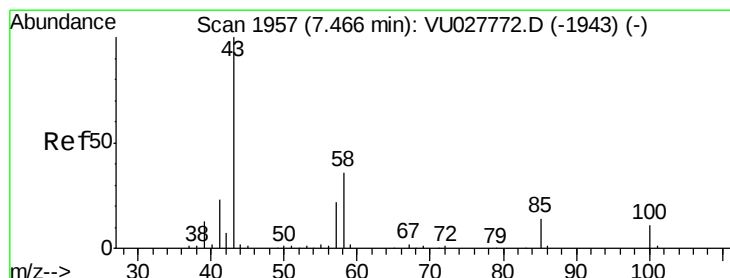
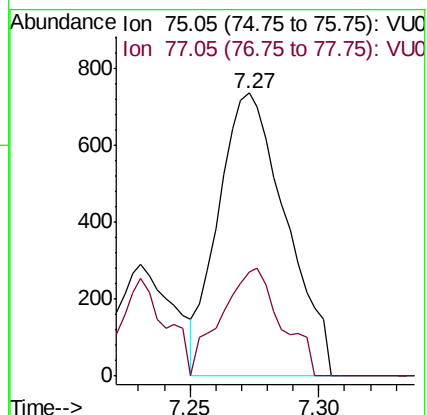
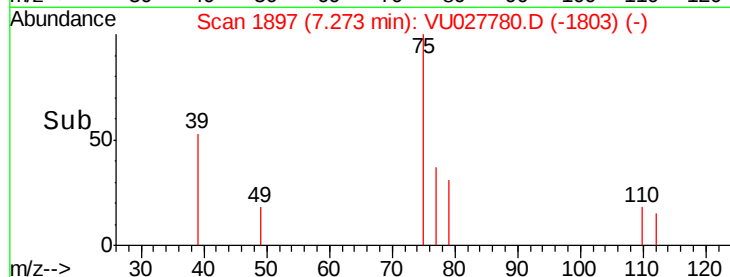


Abundance Ion 75.05 (74.75 to 75.75): VU027772.D (-1876) (-)

Ion 77.05 (76.75 to 77.75): VU027772.D (-1876) (-)

7.27

7.25 7.30



#40

4-Methyl-2-pentanone

Concen: 2.370 ug/L

RT: 7.47 min Scan# 1959

Delta R.T. 0.01 min

Lab File: VU027780.D

Acq: 24 Oct 2018 12:59

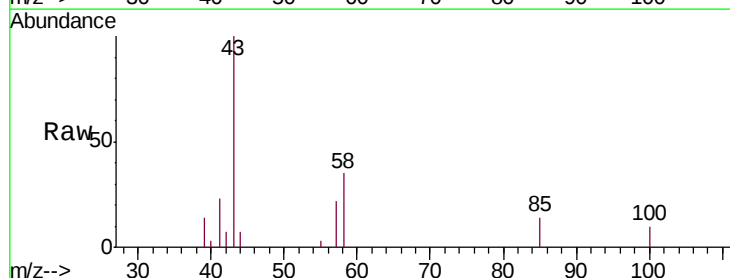
Tgt Ion: 43 Resp: 6699

Ion Ratio Lower Upper

43 100

58 35.2 28.1 42.1

100 0.0 8.7 13.1#



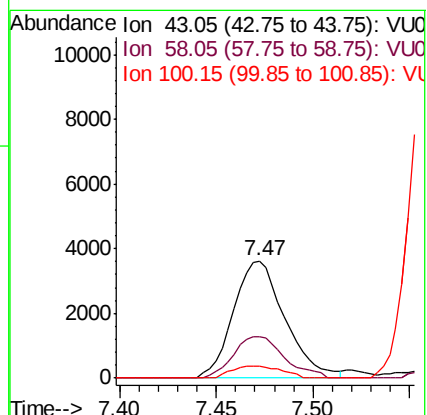
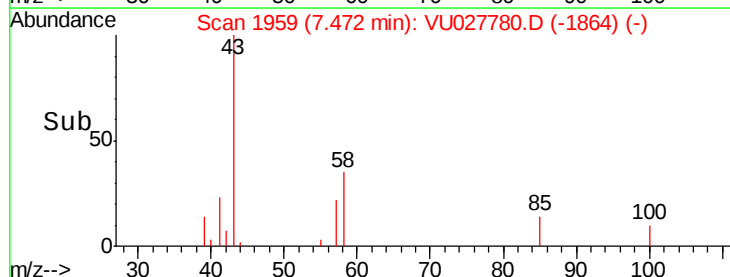
Abundance Ion 43.05 (42.75 to 43.75): VU027772.D (-1943) (-)

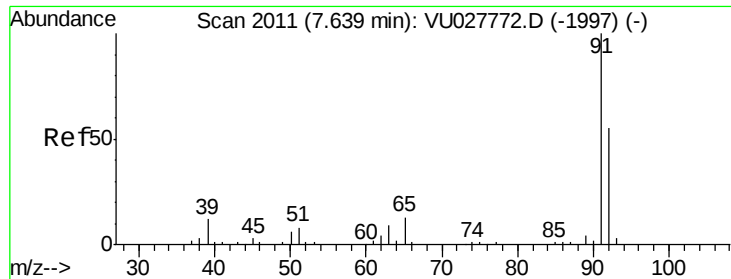
Ion 58.05 (57.75 to 58.75): VU027772.D (-1943) (-)

Ion 100.15 (99.85 to 100.85): VU027772.D (-1943) (-)

7.47

7.40 7.45 7.50





#42

Toluene

Concen: 0.230 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027780.D

Acq: 24 Oct 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

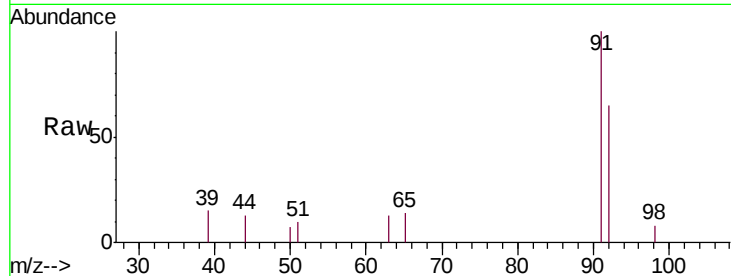
MDL04

Tgt Ion: 91 Resp: 3188

Ion Ratio Lower Upper

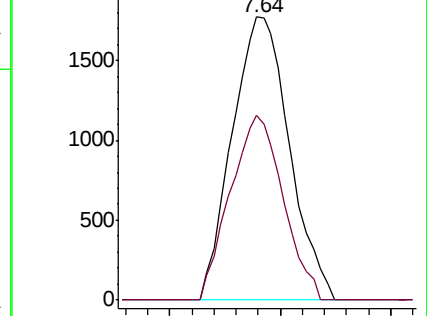
91 100

92 65.1 38.6 71.8

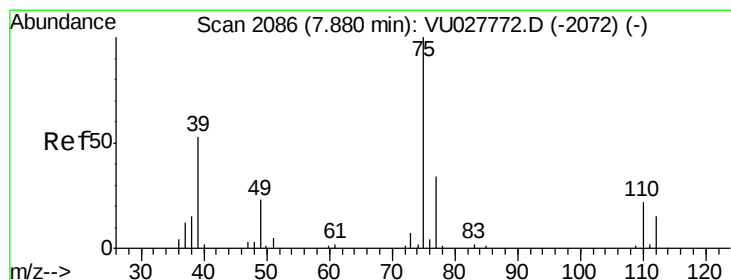
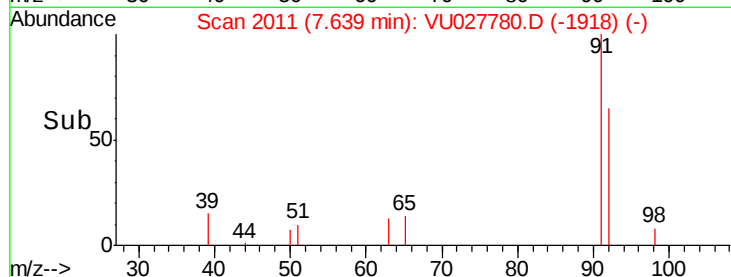


Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.226 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027780.D

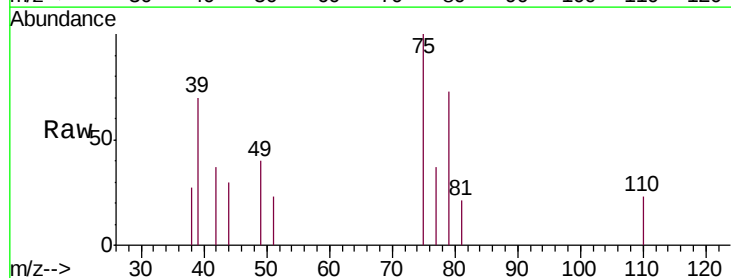
Acq: 24 Oct 2018 12:59

Tgt Ion: 75 Resp: 1030

Ion Ratio Lower Upper

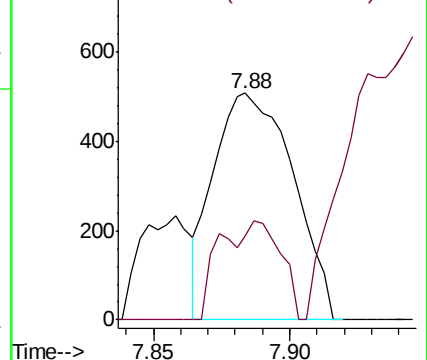
75 100

77 36.8 23.5 43.7

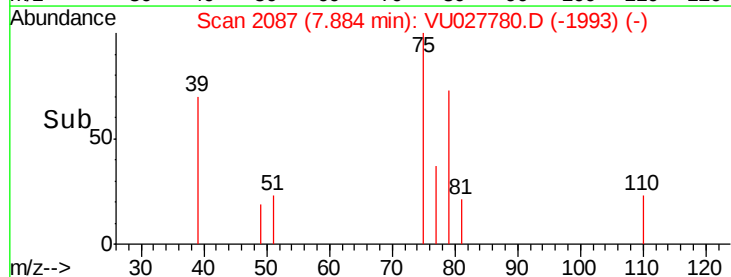


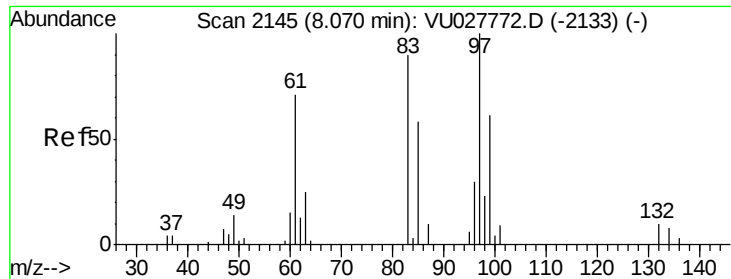
Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



Time-->



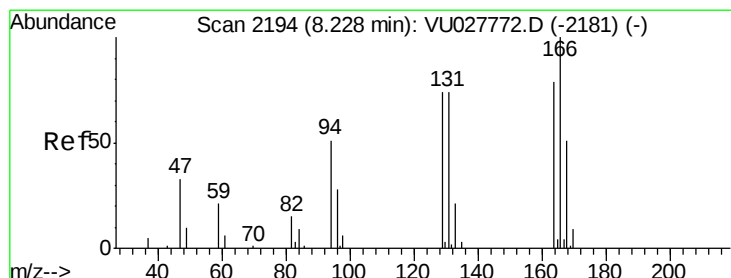
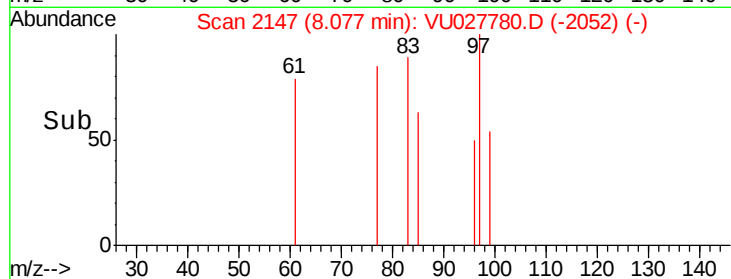
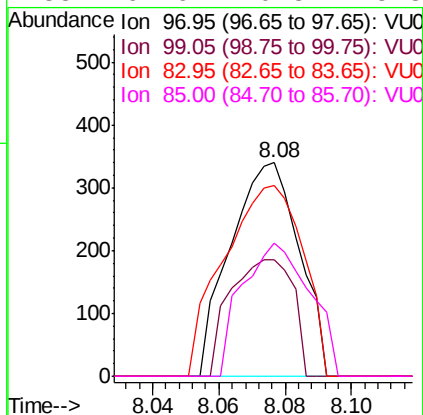
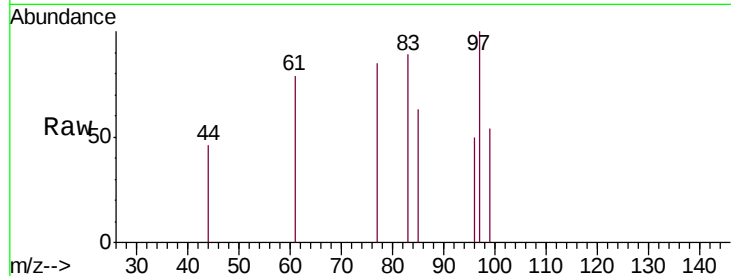


#45
 1,1,2-Trichloroethane
 Concen: 0.215 ug/L
 RT: 8.08 min Scan# 2147
 Delta R.T. 0.01 min
 Lab File: VU027780.D
 Acq: 24 Oct 2018 12:59

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tgt Ion: 97 Resp: 491

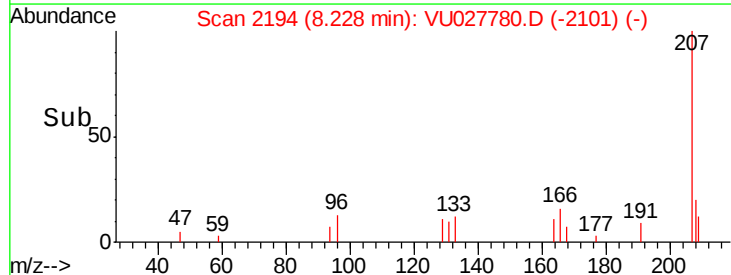
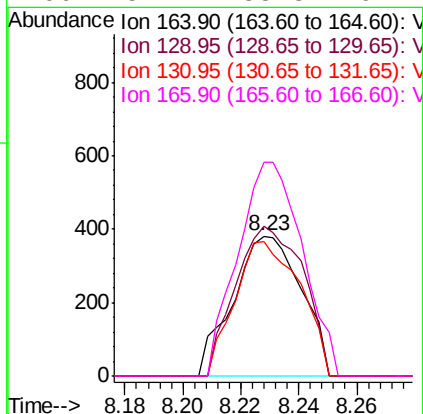
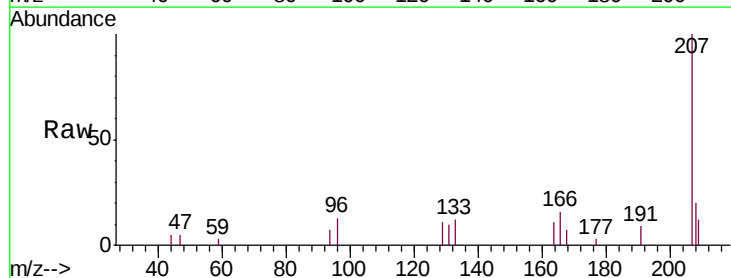
Ion	Ratio	Lower	Upper
97	100		
99	54.4	42.8	79.6
83	89.4	62.9	116.9
85	62.6	40.8	75.8

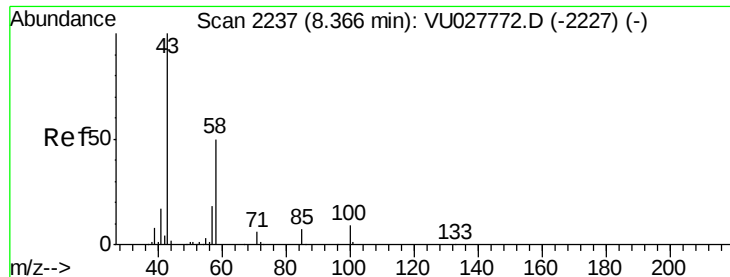


#47
 Tetrachloroethene
 Concen: 0.231 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU027780.D
 Acq: 24 Oct 2018 12:59

Tgt Ion: 164 Resp: 626

Ion	Ratio	Lower	Upper
164	100		
129	106.5	65.6	121.8
131	96.1	65.0	120.8
166	152.1	88.3	164.1

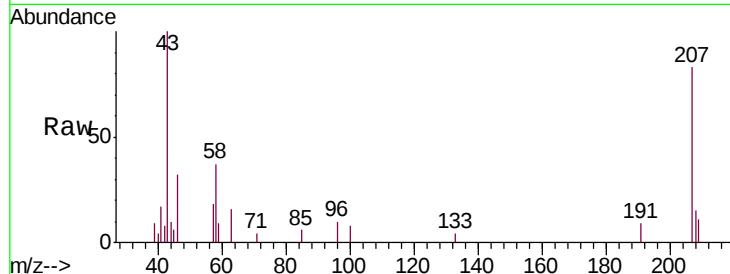




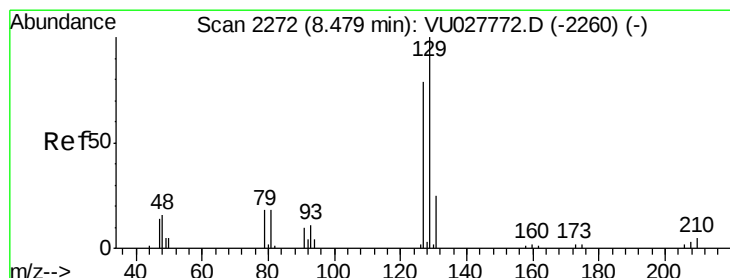
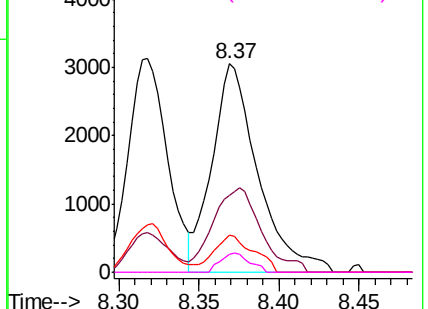
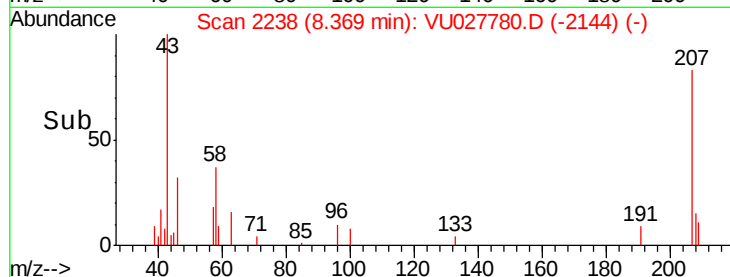
#48
2-Hexanone
Concen: 3.011 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VU027780.D
Acq: 24 Oct 2018 12:59

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion: 43 Resp: 6047
Ion Ratio Lower Upper
43 100
58 42.3 39.4 59.0
57 15.3 13.8 20.8
100 5.8 6.7 10.1#

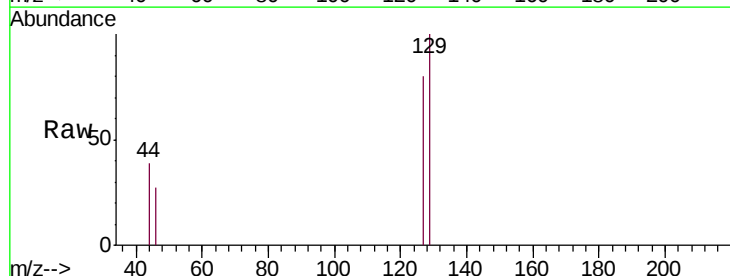


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

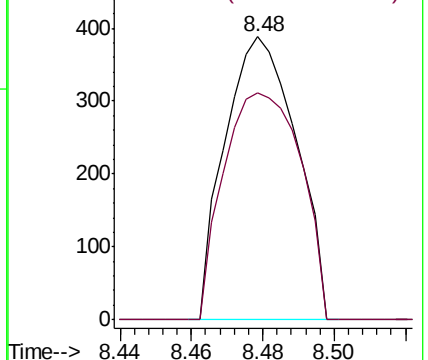
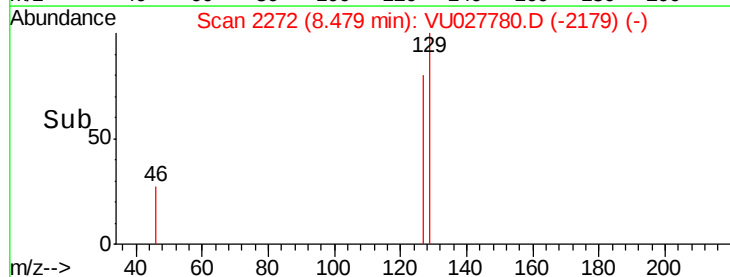


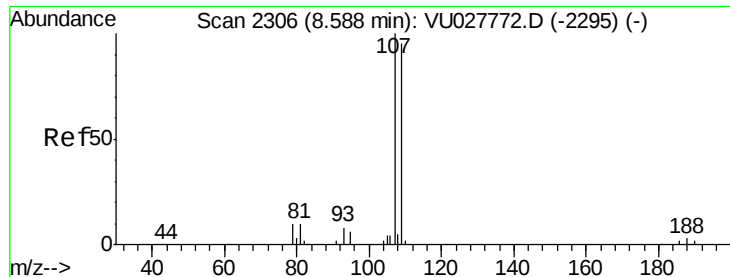
#49
Dibromochloromethane
Concen: 0.184 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027780.D
Acq: 24 Oct 2018 12:59

Tgt Ion: 129 Resp: 534
Ion Ratio Lower Upper
129 100
127 80.4 55.2 102.4



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

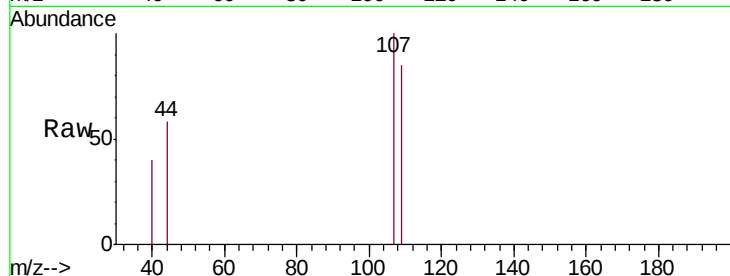




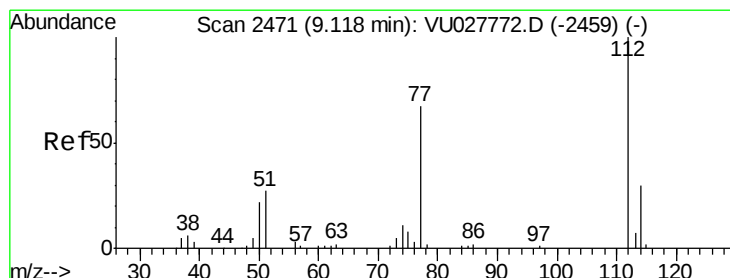
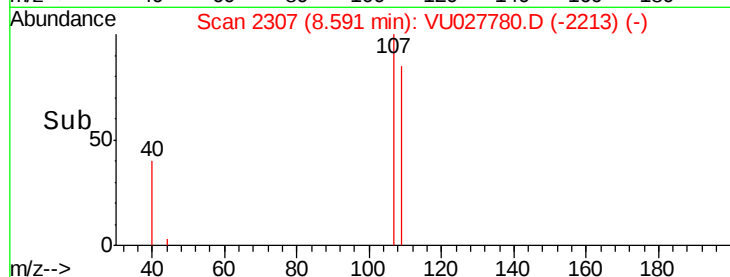
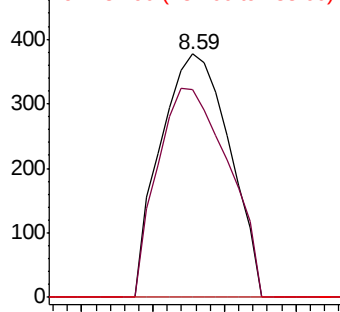
#50
1,2-Dibromoethane
Concen: 0.227 ug/L
RT: 8.59 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VU027780.D
Acq: 24 Oct 2018 12:59

Instrument :
MSVOA_U
ClientSampleId :
MDL04

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#

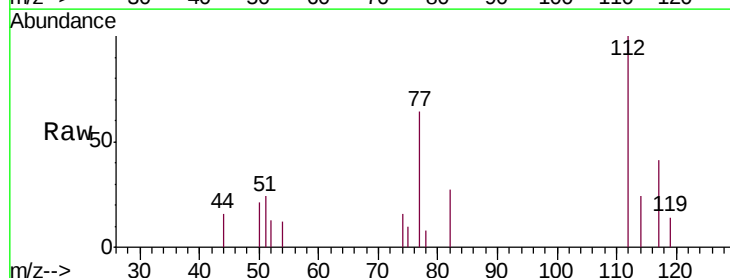


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

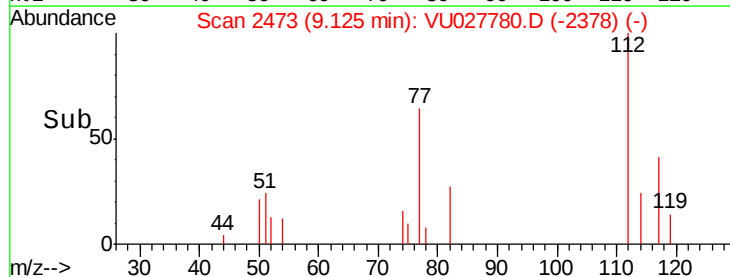
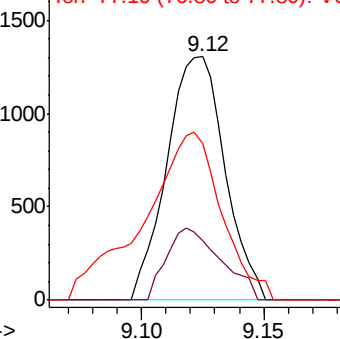


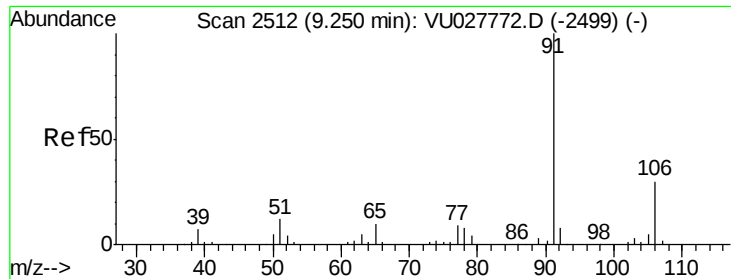
#51
Chlorobenzene
Concen: 0.253 ug/L
RT: 9.12 min Scan# 2473
Delta R.T. 0.01 min
Lab File: VU027780.D
Acq: 24 Oct 2018 12:59

Tgt Ion:112 Resp: 2156
Ion Ratio Lower Upper
112 100
114 24.3 21.2 39.4
77 64.4 54.2 81.4



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





#52

Ethylbenzene

Concen: 0.237 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU027780.D

Acq: 24 Oct 2018 12:59

Instrument :

MSVOA_U

ClientSampled :

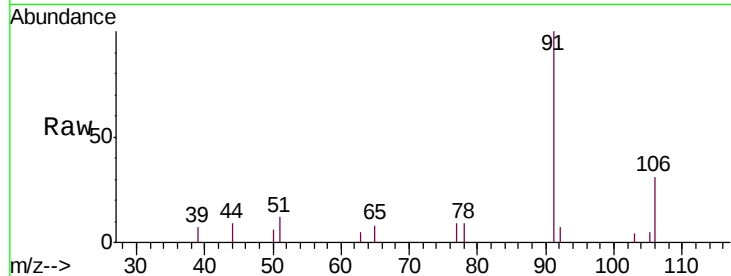
MDL04

Tgt Ion: 91 Resp: 3811

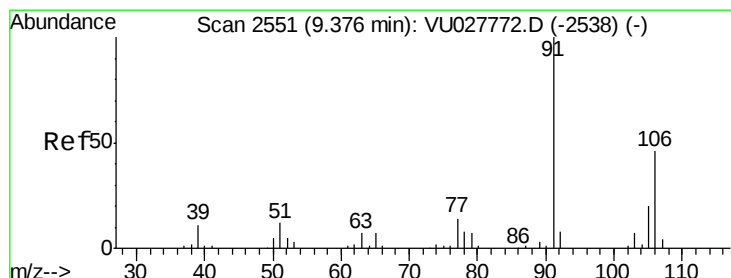
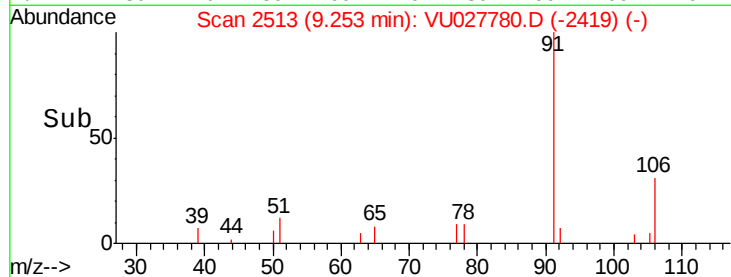
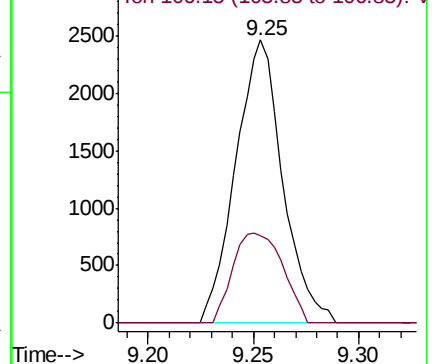
Ion Ratio Lower Upper

91 100

106 31.1 20.6 38.4



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



#53

m,p-xylene

Concen: 0.238 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027780.D

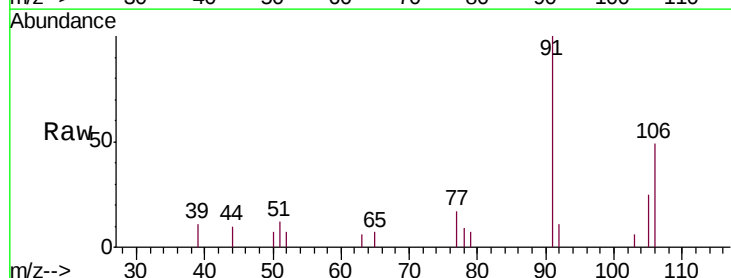
Acq: 24 Oct 2018 12:59

Tgt Ion: 106 Resp: 1354

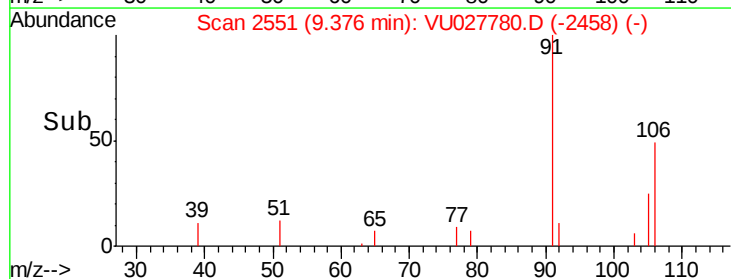
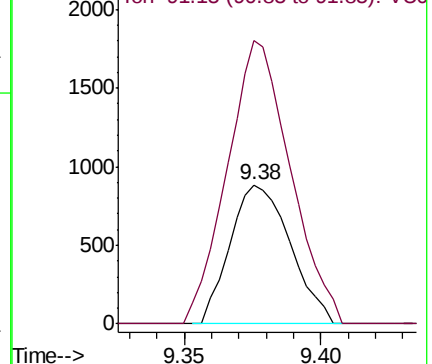
Ion Ratio Lower Upper

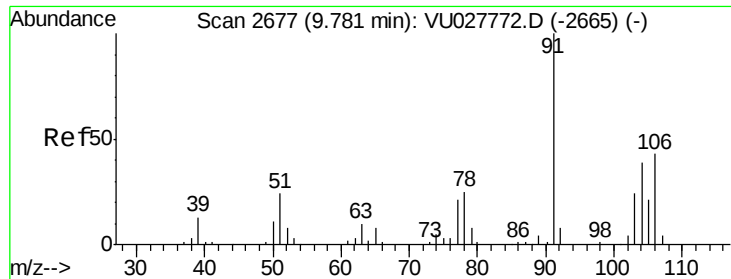
106 100

91 204.0 154.1 286.3



Abundance Ion 106.15 (105.85 to 106.85): VU027780.D (-2419) (-)

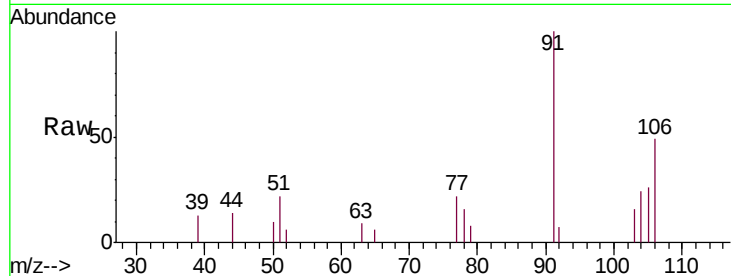




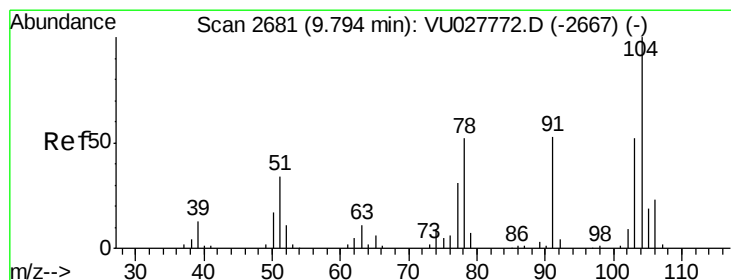
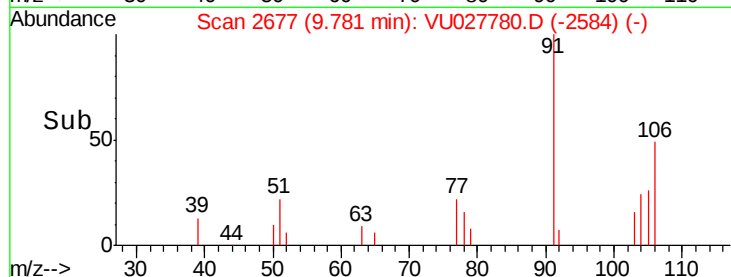
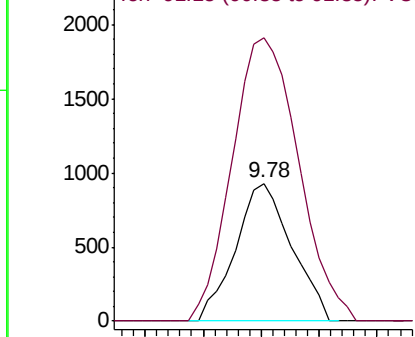
#54
o-xylene
Concen: 0.224 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027780.D
Acq: 24 Oct 2018 12:59

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion:106 Resp: 1248
Ion Ratio Lower Upper
106 100
91 205.5 161.3 299.7

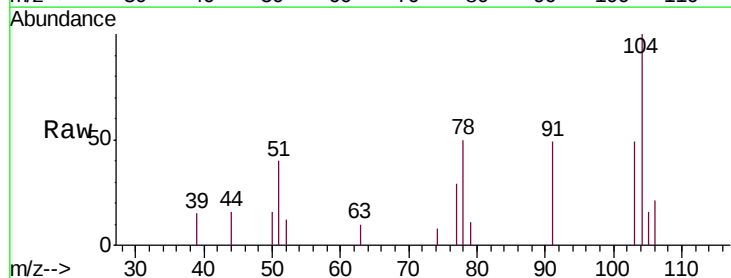


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

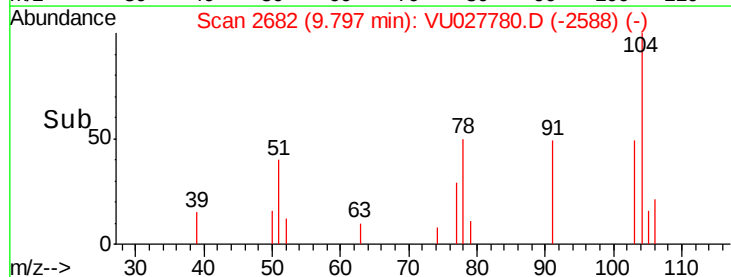
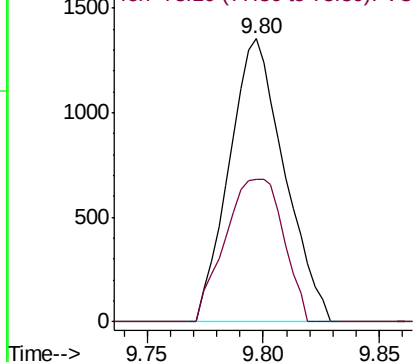


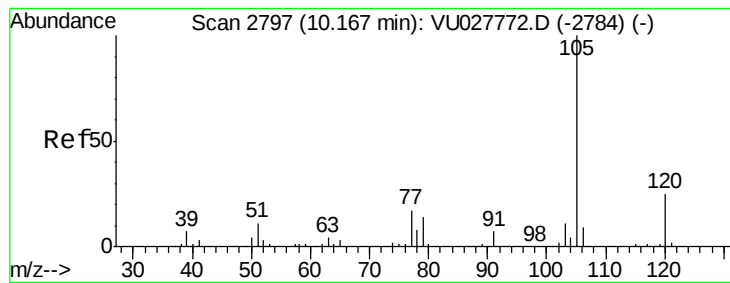
#55
Styrene
Concen: 0.237 ug/L
RT: 9.80 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU027780.D
Acq: 24 Oct 2018 12:59

Tgt Ion:104 Resp: 2237
Ion Ratio Lower Upper
104 100
78 50.4 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: 0.248 ug/L

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU027780.D

Acq: 24 Oct 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

MDL04

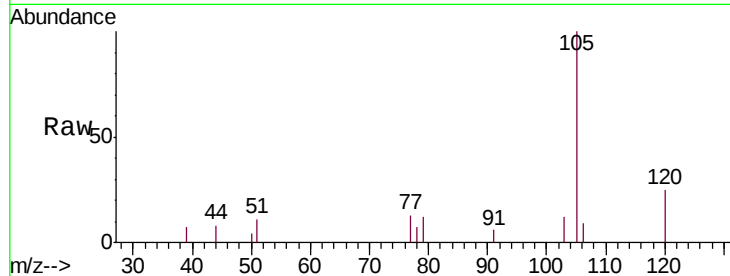
Tgt Ion: 105 Resp: 3825

Ion Ratio Lower Upper

105 100

120 24.7 19.9 29.9

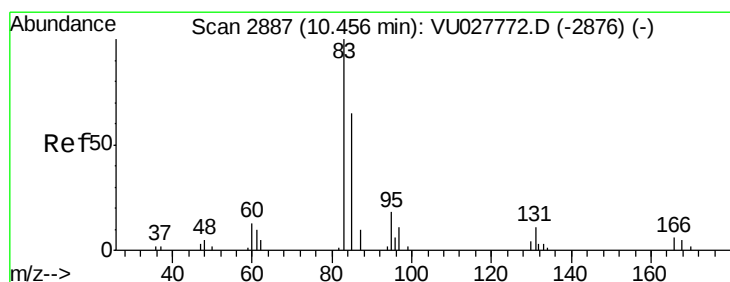
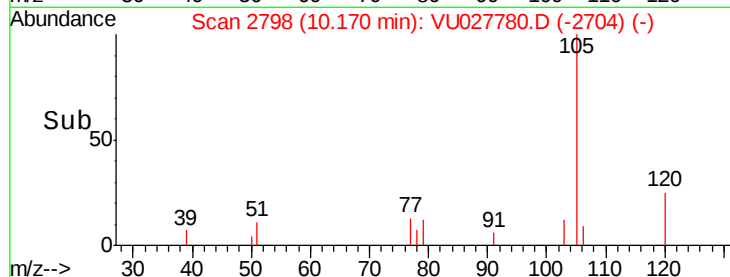
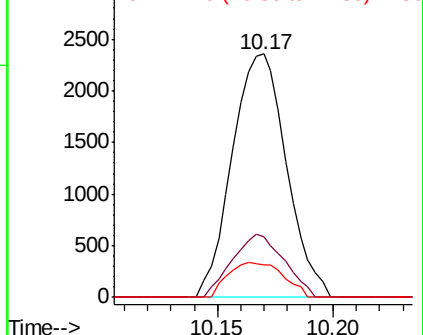
77 14.6 13.7 20.5



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: 0.285 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027780.D

Acq: 24 Oct 2018 12:59

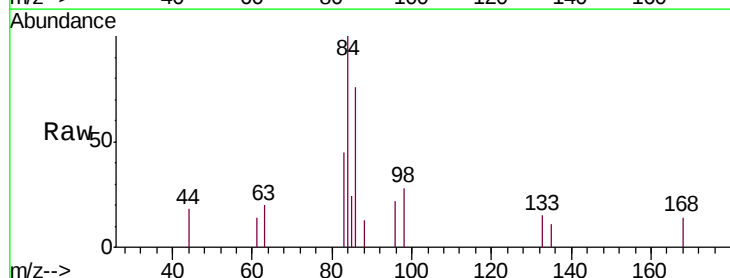
Tgt Ion: 83 Resp: 854

Ion Ratio Lower Upper

83 100

85 54.4 45.5 84.5

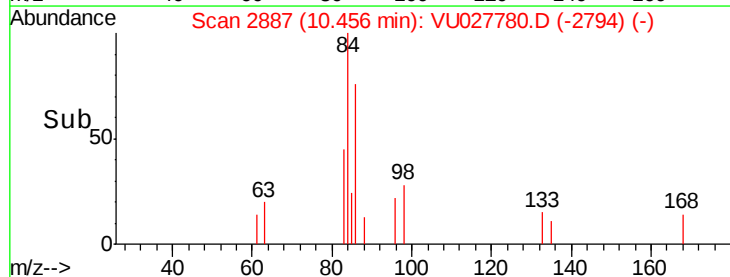
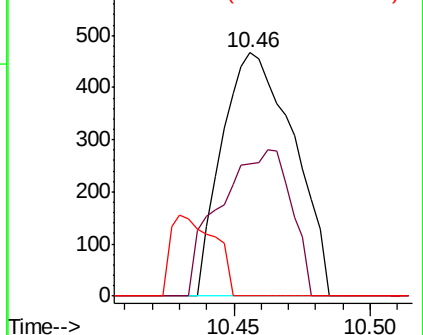
131 0.0 8.8 13.2#

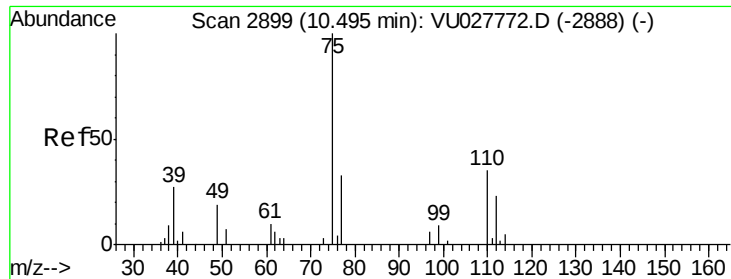


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

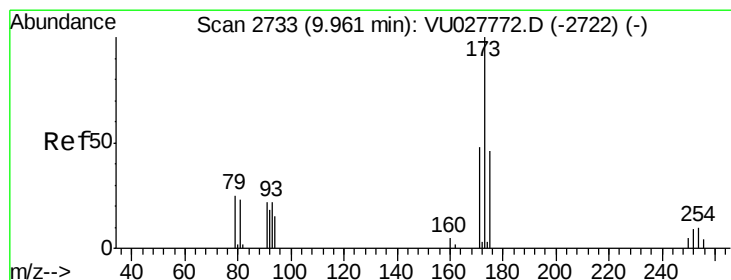
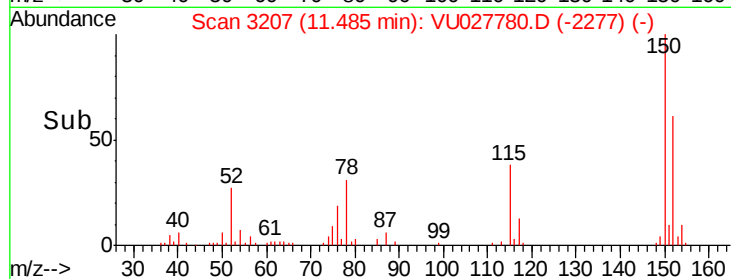
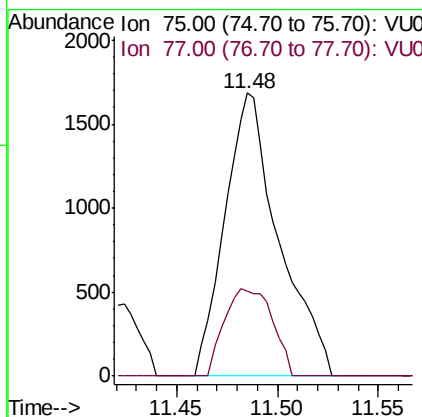
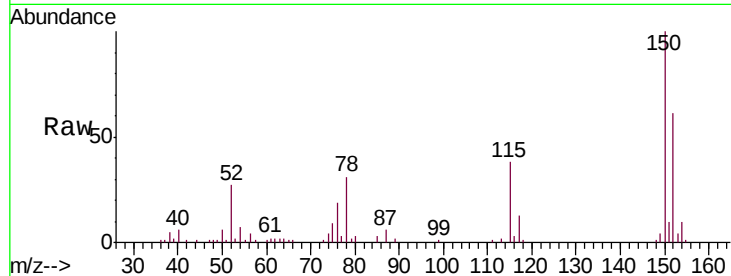




#59
 1,2,3-Trichloropropane
 Concen: 1.319 ug/L
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU027780.D
 Acq: 24 Oct 2018 12:59

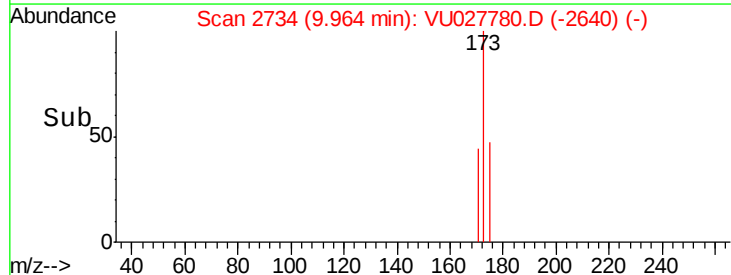
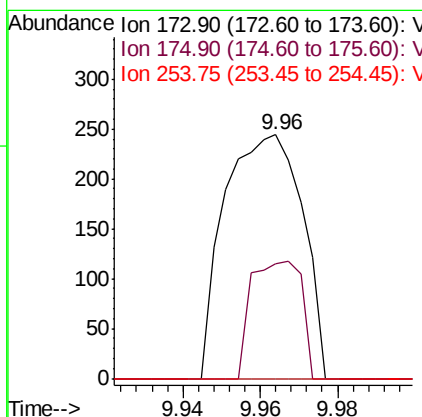
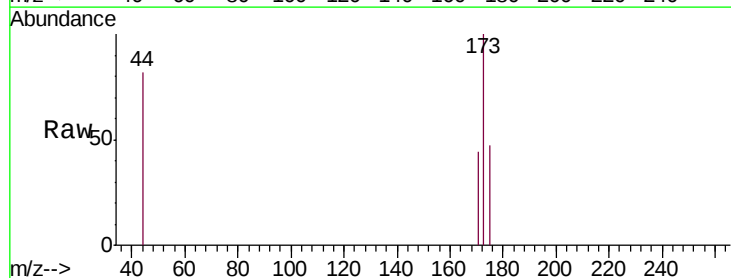
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

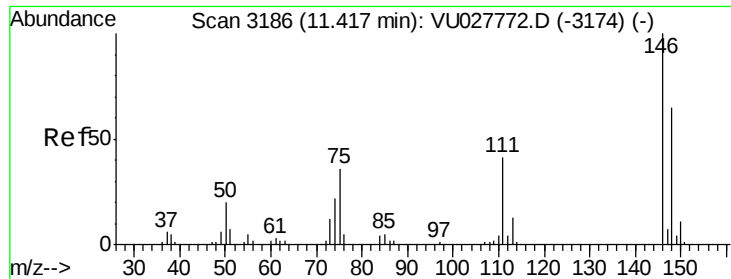
Tgt Ion: 75 Resp: 3139
 Ion Ratio Lower Upper
 75 100
 77 27.5 26.4 39.6



#61
 Bromoform
 Concen: 0.219 ug/L
 RT: 9.96 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VU027780.D
 Acq: 24 Oct 2018 12:59

Tgt Ion: 173 Resp: 341
 Ion Ratio Lower Upper
 173 100
 175 31.1 37.7 56.5#
 254 0.0 7.2 10.8#

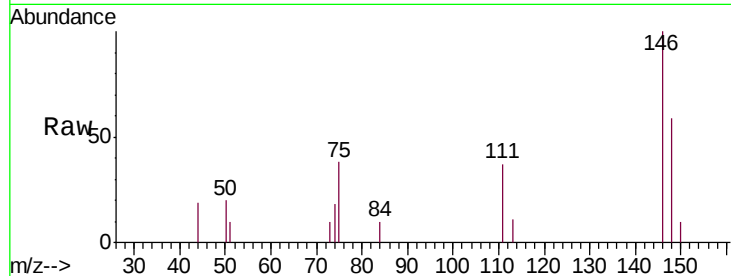




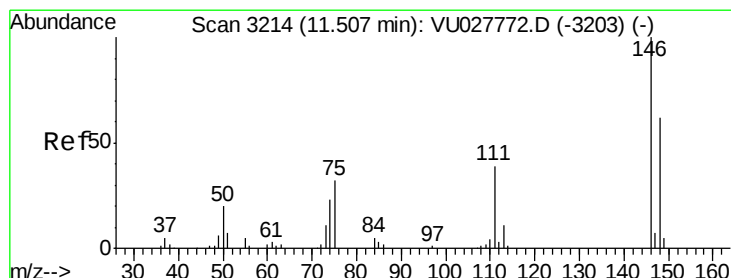
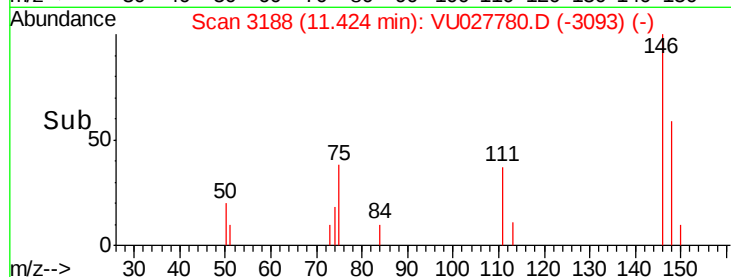
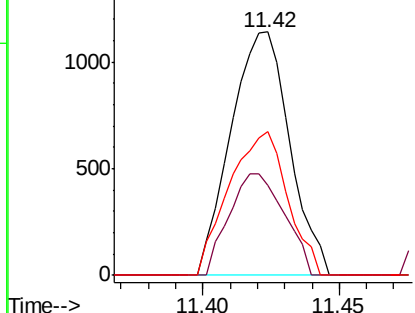
#62
 1,3-Dichlorobenzene
 Concen: 0.262 ug/L
 RT: 11.42 min Scan# 3188
 Delta R.T. 0.01 min
 Lab File: VU027780.D
 Acq: 24 Oct 2018 12:59

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tgt Ion:146 Resp: 1706
 Ion Ratio Lower Upper
 146 100
 111 37.2 28.6 53.0
 148 58.8 45.1 83.9

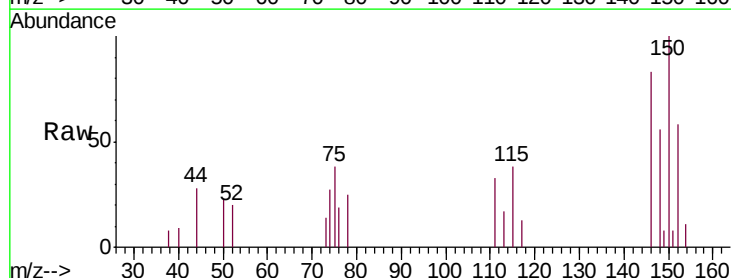


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

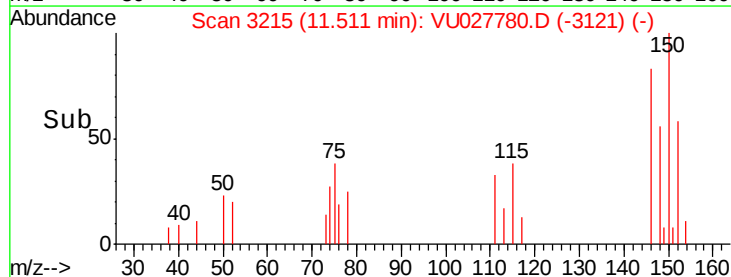
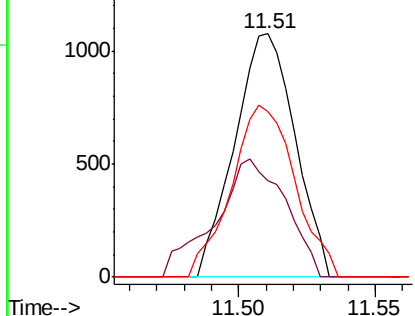


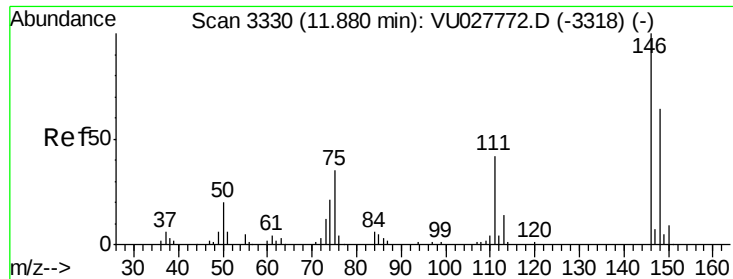
#63
 1,4-Dichlorobenzene
 Concen: 0.251 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU027780.D
 Acq: 24 Oct 2018 12:59

Tgt Ion:146 Resp: 1648
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.6 51.4
 148 68.0 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: 0.265 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027780.D

Acq: 24 Oct 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

MDL04

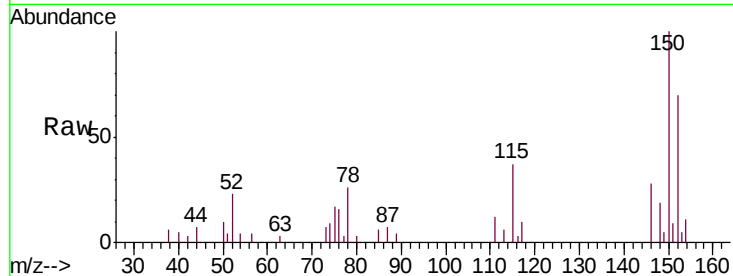
Tgt Ion:146 Resp: 1620

Ion Ratio Lower Upper

146 100

111 41.9 33.7 50.5

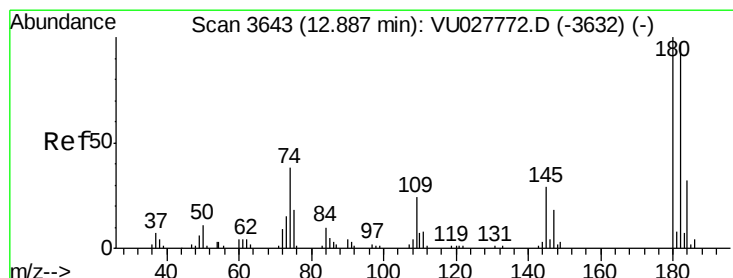
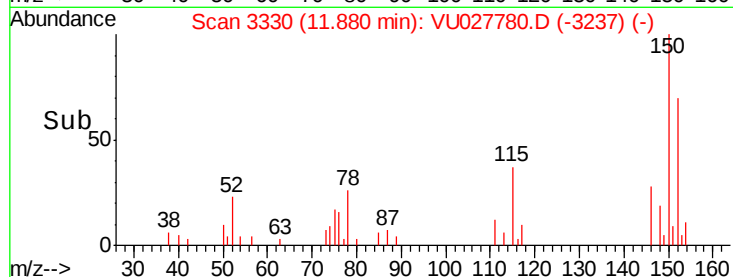
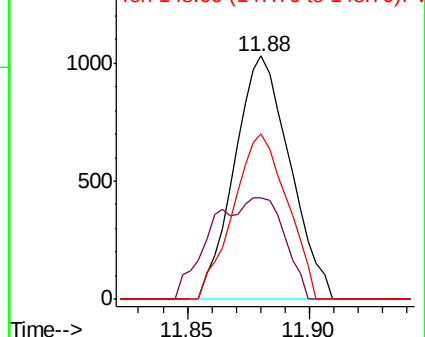
148 67.9 50.8 76.2



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: 0.194 ug/L

RT: 13.51 min Scan# 3836

Delta R.T. 0.62 min

Lab File: VU027780.D

Acq: 24 Oct 2018 12:59

Tgt Ion:180 Resp: 1015

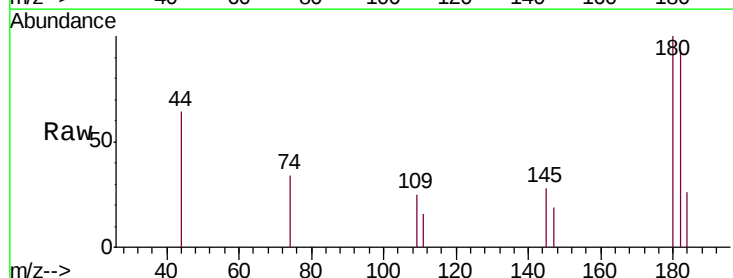
Ion Ratio Lower Upper

180 100

182 95.7 78.9 118.3

184 25.4 24.6 37.0

145 28.9 23.4 35.0

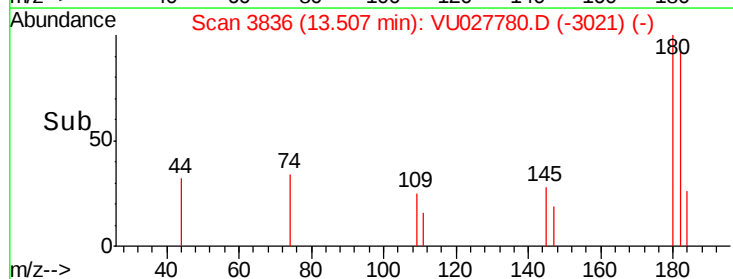
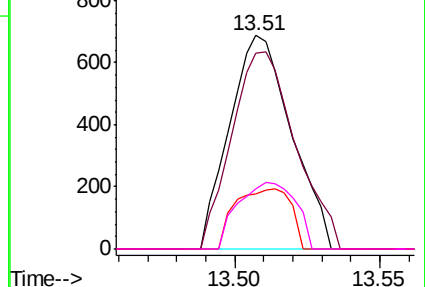


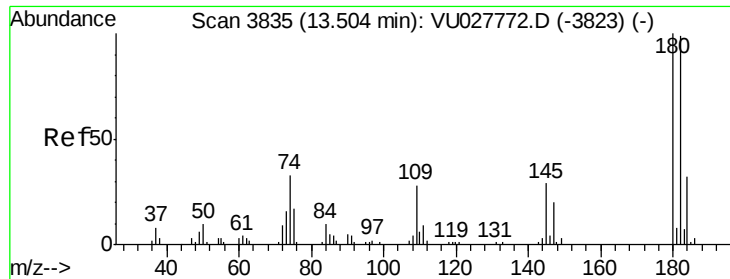
Abundance Ion 180.00 (179.70 to 180.70): V

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

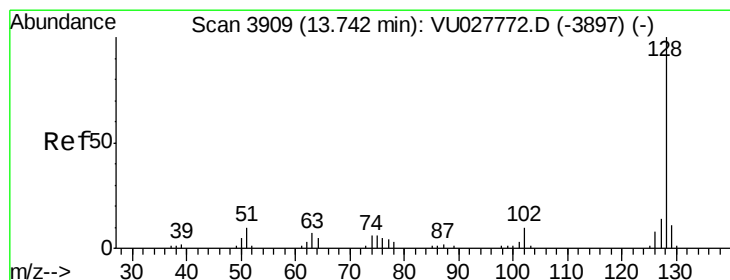
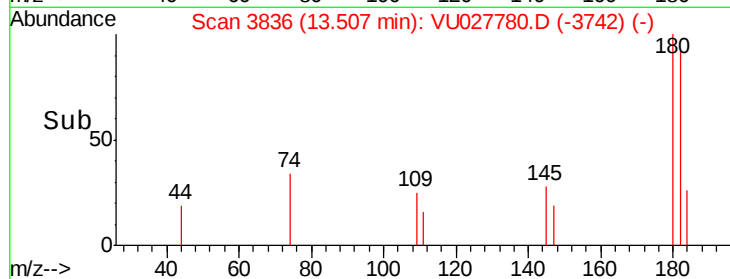
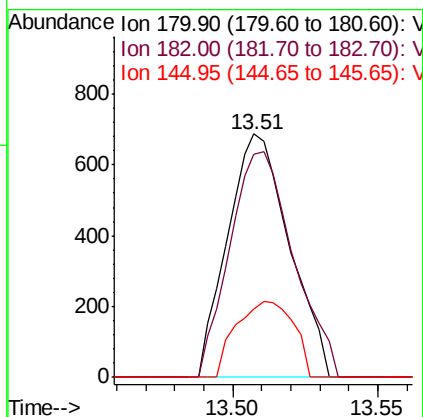
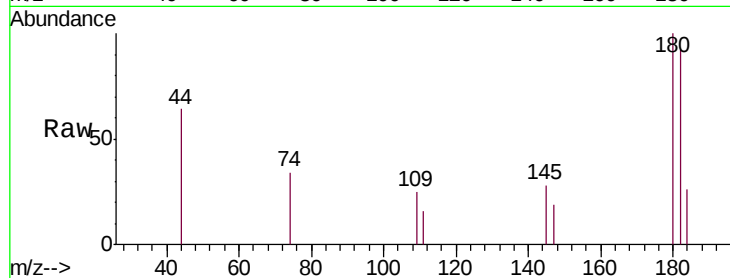




#68
 1,2,4-trichlorobenzene
 Concen: 0.224 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027780.D
 Acq: 24 Oct 2018 12:59

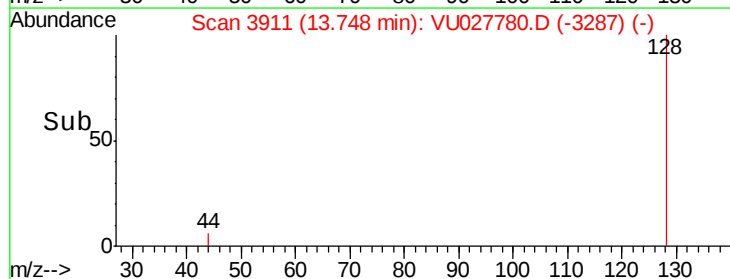
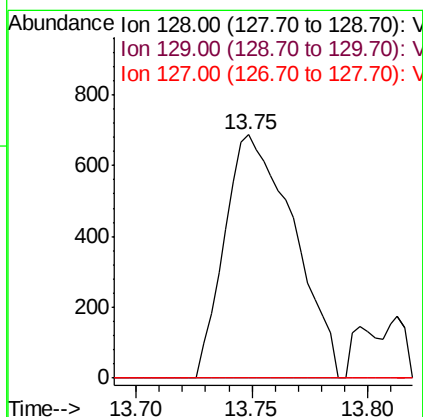
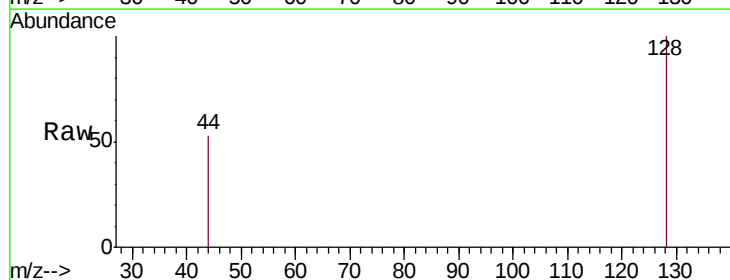
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

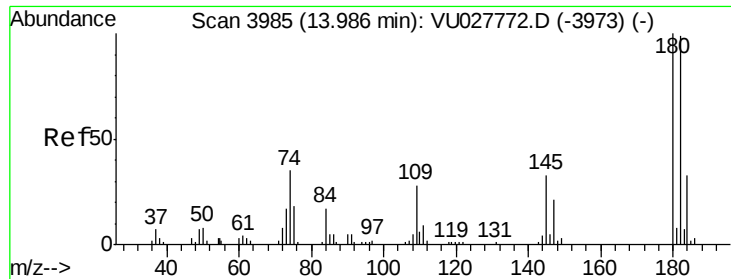
Tgt Ion:180 Resp: 1015
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.6 116.4
 145 28.9 23.7 35.5



#69
 Naphthalene
 Concen: 0.193 ug/L
 RT: 13.75 min Scan# 3911
 Delta R.T. 0.01 min
 Lab File: VU027780.D
 Acq: 24 Oct 2018 12:59

Tgt Ion:128 Resp: 1423
 Ion Ratio Lower Upper
 128 100
 129 0.0 8.8 13.2#
 127 0.0 10.7 16.1#





#70

1,2,3-Trichlorobenzene

Concen: 0.234 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU027780.D

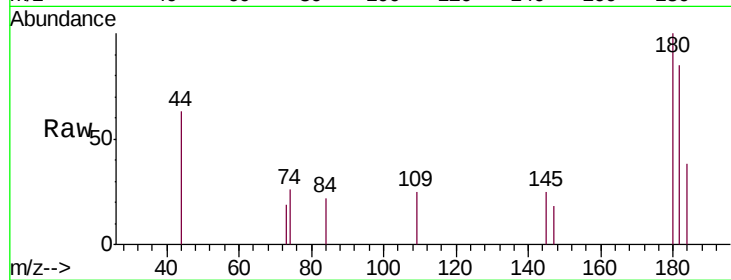
Acq: 24 Oct 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

MDL04



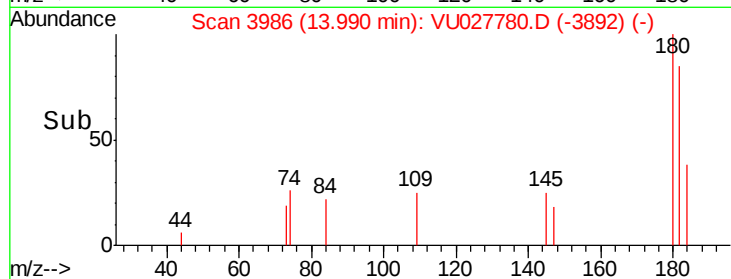
Tgt Ion:180 Resp: 980

Ion Ratio Lower Upper

180 100

182 95.8 76.9 115.3

145 18.6 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

