

Data File : VU027786.D
Acq On : 24 Oct 2018 15:24
Operator : MD/SY
Sample : MDL03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Quant Time: Oct 25 04:41:47 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	39924	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	38269	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	19066	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	14735	4.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.60%
7) Chloroethane-d5	1.68	69	11297	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.28	63	22289	3.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.60%
20) 2-Butanone-d5	4.21	46	49560	50.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.18%
24) Chloroform-d	4.65	84	27474	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.31	65	16439	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.34	84	50654	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.33	67	18221	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.57	98	48187	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
43) trans-1,3-Dichloropropene-	7.85	79	7221	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	8.31	63	40959	50.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	13725	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	18022	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	1493	0.386 ug/L	100
3) Chloromethane	1.33	50	1626	0.374 ug/L	99
5) Vinyl chloride	1.40	62	1693	0.405 ug/L #	75
6) Bromomethane	1.63	94	782	0.365 ug/L	90
8) Chloroethane	1.70	64	1011	0.447 ug/L	93
9) Trichlorofluoromethane	1.89	101	2212	0.400 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	1209	0.433 ug/L #	90
12) 1,1-Dichloroethene	2.29	96	1081	0.415 ug/L #	1
13) Acetone	2.34	43	3447	4.832 ug/L	88
14) Carbon disulfide	2.48	76	3444	0.386 ug/L	97
15) Methyl Acetate	2.63	43	1188	0.595 ug/L #	64
16) Methylene chloride	2.71	84	1700	0.554 ug/L	94
17) Methyl tert-butyl Ether	3.01	73	3210	0.385 ug/L #	72
18) trans-1,2-Dichloroethene	2.99	96	1056	0.379 ug/L	97
19) 1,1-Dichloroethane	3.45	63	2582	0.419 ug/L #	83
21) 2-Butanone	4.30	43	4900	4.186 ug/L	87
22) cis-1,2-Dichloroethene	4.24	96	1263	0.381 ug/L	92

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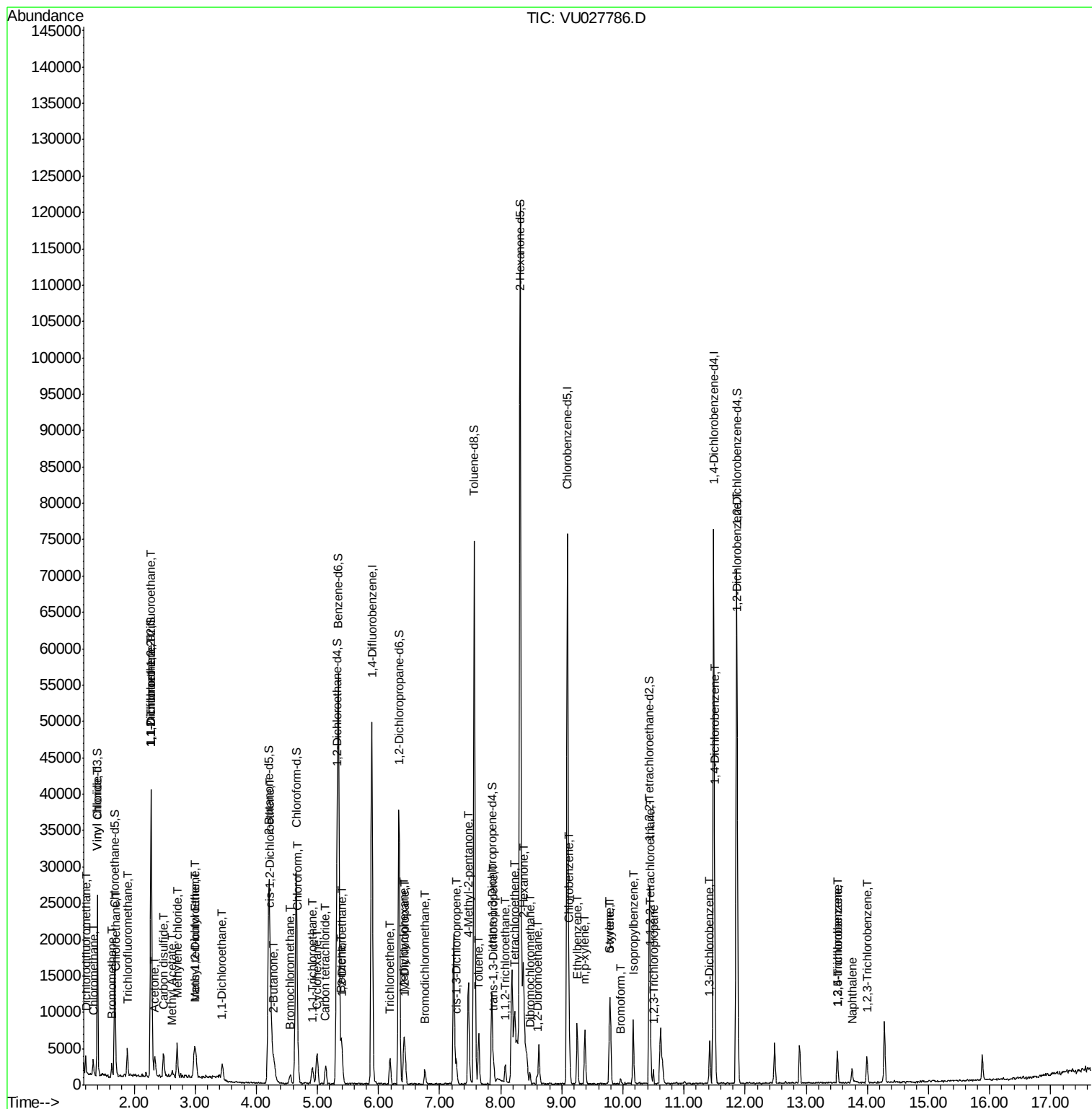
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	215	0.160	ug/L	94
25) Chloroform	4.68	83	2666	0.429	ug/L	98
27) 1,2-Dichloroethane	5.41	62	1589	0.346	ug/L #	79
29) 1,1,1-Trichloroethane	4.92	97	2107	0.383	ug/L	92
30) Cyclohexane	4.99	56	2407	0.390	ug/L	97
31) Carbon tetrachloride	5.13	117	1774	0.376	ug/L #	52
33) Benzene	5.39	78	5073	0.399	ug/L	100
34) Trichloroethene	6.18	95	1517	0.460	ug/L	80
35) Methylcyclohexane	6.41	83	2298	0.417	ug/L	96
37) 1,2-Dichloropropane	6.44	63	1415	0.379	ug/L #	90
38) Bromodichloromethane	6.76	83	1803	0.404	ug/L #	93
39) cis-1,3-Dichloropropene	7.27	75	1977	0.370	ug/L	91
40) 4-Methyl-2-pentanone	7.47	43	11197	4.011	ug/L	97
42) Toluene	7.64	91	5559	0.406	ug/L	95
44) trans-1,3-Dichloropropene	7.88	75	2137	0.474	ug/L	93
45) 1,1,2-Trichloroethane	8.07	97	893	0.396	ug/L #	84
47) Tetrachloroethene	8.23	164	1019	0.381	ug/L	82
48) 2-Hexanone	8.37	43	7883	3.974	ug/L	97
49) Dibromochloromethane	8.48	129	894	0.311	ug/L	97
50) 1,2-Dibromoethane	8.59	107	861	0.393	ug/L #	78
51) Chlorobenzene	9.12	112	3430	0.407	ug/L	93
52) Ethylbenzene	9.25	91	6552	0.413	ug/L	93
53) m,p-xylene	9.38	106	1975	0.351	ug/L	93
54) o-xylene	9.78	106	2209	0.402	ug/L	87
55) Styrene	9.80	104	3454	0.371	ug/L	97
56) Isopropylbenzene	10.17	105	5860	0.385	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	1108	0.374	ug/L #	85
59) 1,2,3-Trichloropropane	10.49	75	901	0.383	ug/L	96
61) Bromoform	9.96	173	506	0.316	ug/L #	93
62) 1,3-Dichlorobenzene	11.42	146	2653	0.396	ug/L	92
63) 1,4-Dichlorobenzene	11.51	146	2677	0.395	ug/L	93
65) 1,2-Dichlorobenzene	11.88	146	2516	0.399	ug/L	94
67) 1,3,5-Trichlorobenzene	13.51	180	1667	0.310	ug/L	95
68) 1,2,4-trichlorobenzene	13.51	180	1667	0.357	ug/L	95
69) Naphthalene	13.75	128	2415	0.318	ug/L #	86
70) 1,2,3-Trichlorobenzene	13.99	180	1550	0.360	ug/L	99

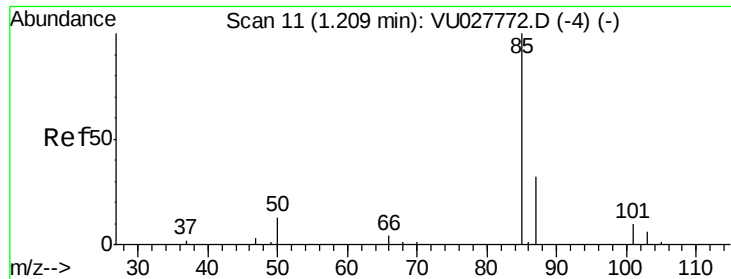
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.386 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

Instrument :

MSVOA_U

ClientSampleId :

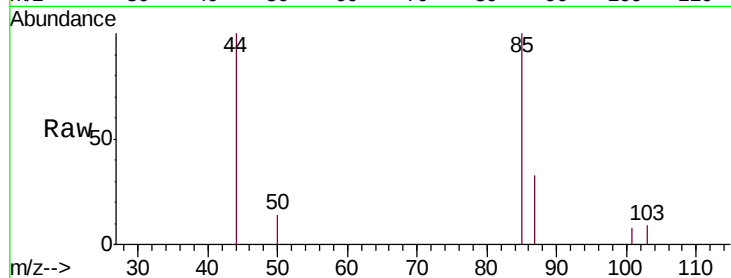
MDL03

Tgt Ion: 85 Resp: 1493

Ion Ratio Lower Upper

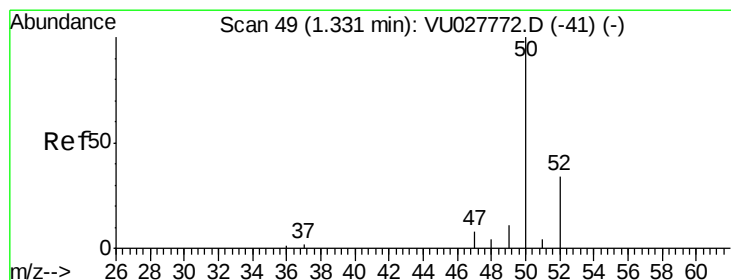
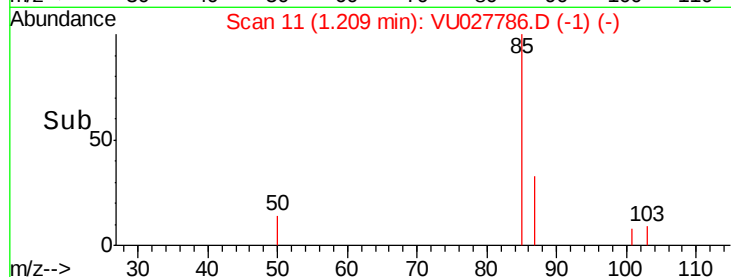
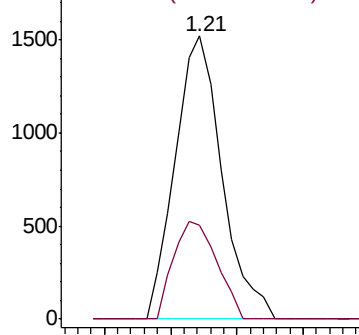
85 100

87 31.8 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: 0.374 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027786.D

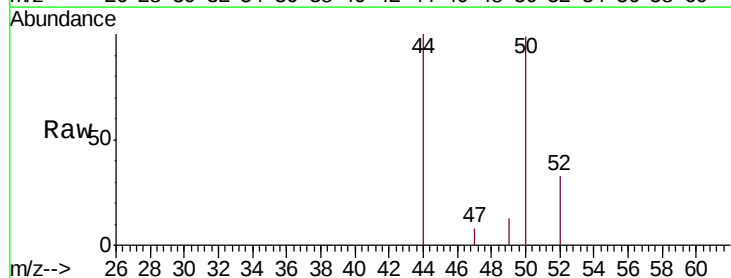
Acq: 24 Oct 2018 15:24

Tgt Ion: 50 Resp: 1626

Ion Ratio Lower Upper

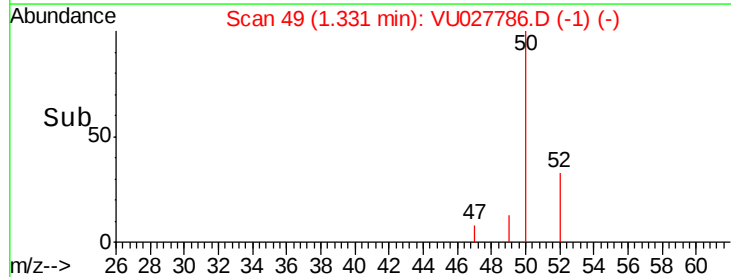
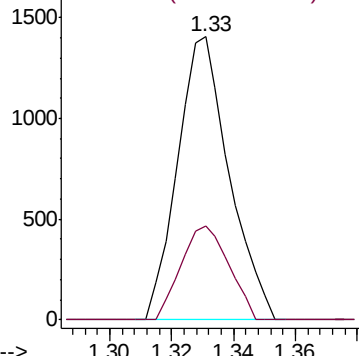
50 100

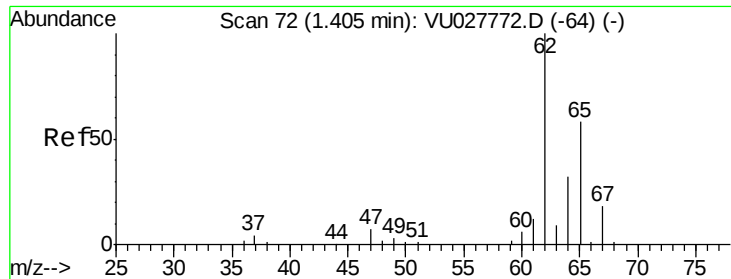
52 33.3 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.405 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

Instrument :

MSVOA_U

ClientSampled :

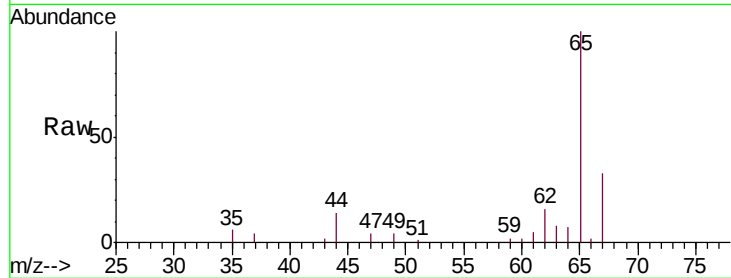
MDL03

Tgt Ion: 62 Resp: 1693

Ion Ratio Lower Upper

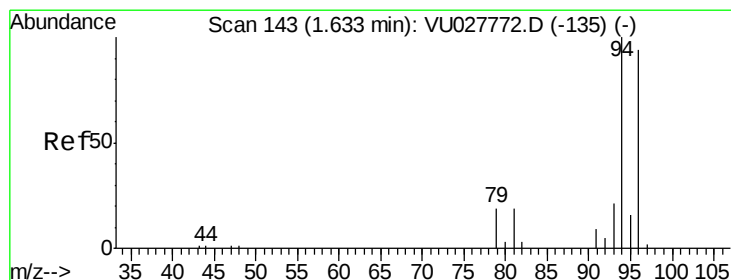
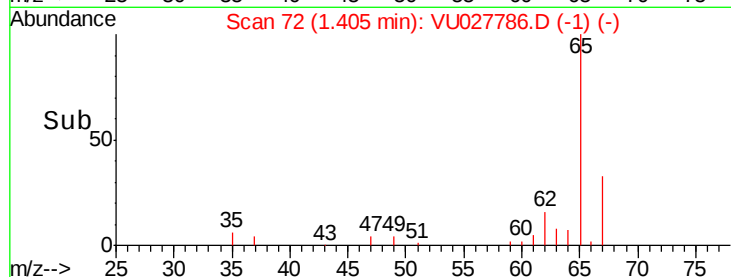
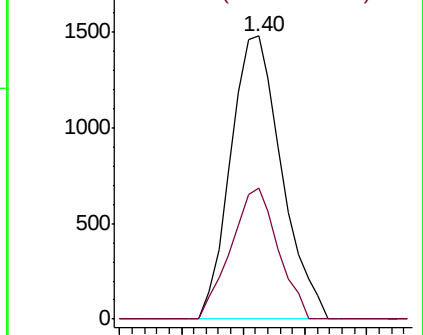
62 100

64 46.5 22.7 42.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.365 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027786.D

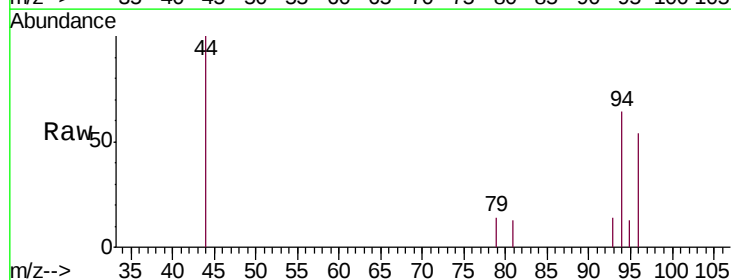
Acq: 24 Oct 2018 15:24

Tgt Ion: 94 Resp: 782

Ion Ratio Lower Upper

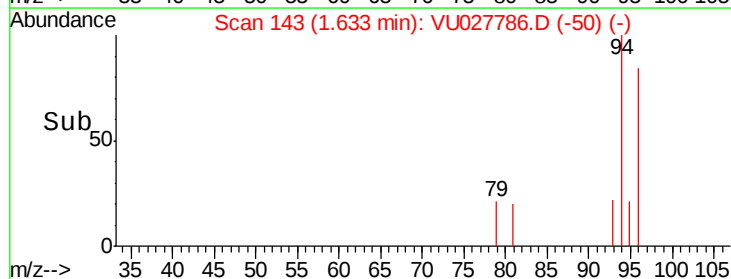
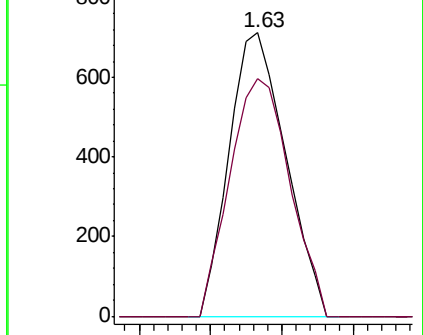
94 100

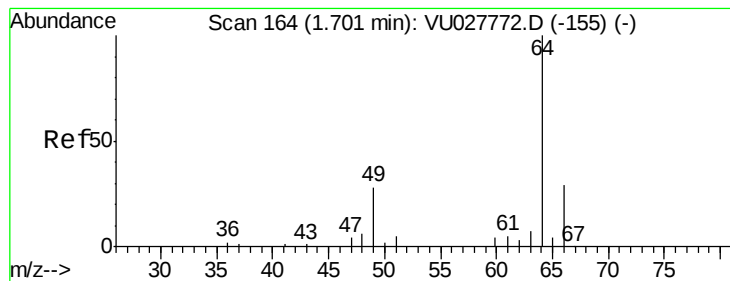
96 83.7 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.447 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

Instrument :

MSVOA_U

ClientSampleId :

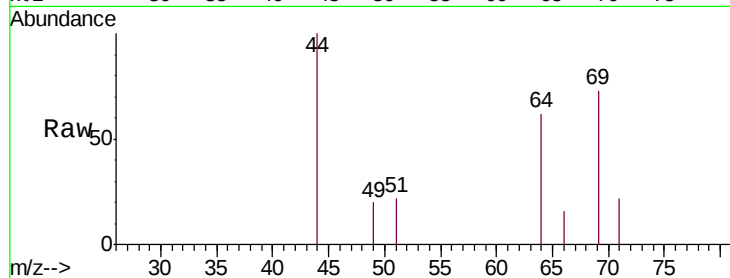
MDL03

Tgt Ion: 64 Resp: 1011

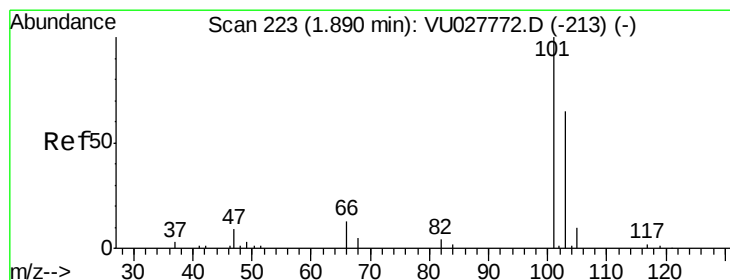
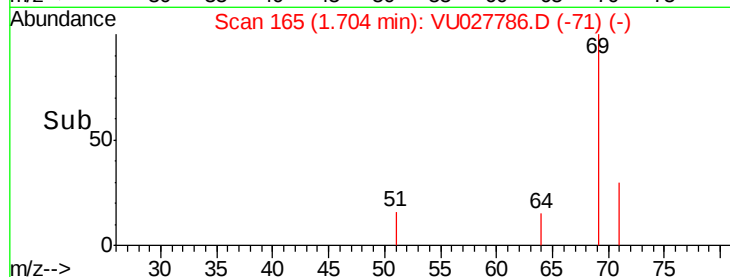
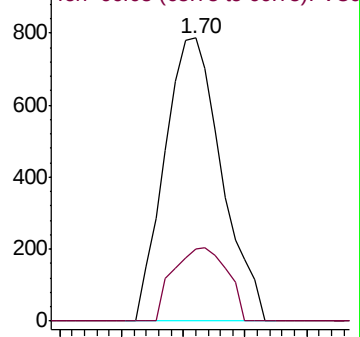
Ion Ratio Lower Upper

64 100

66 25.4 20.3 37.7



Abundance Ion 64.10 (63.80 to 64.80): VU027772.D (-155) (-)



#9

Trichlorofluoromethane

Concen: 0.400 ug/L

RT: 1.89 min Scan# 223

Delta R.T. 0.00 min

Lab File: VU027786.D

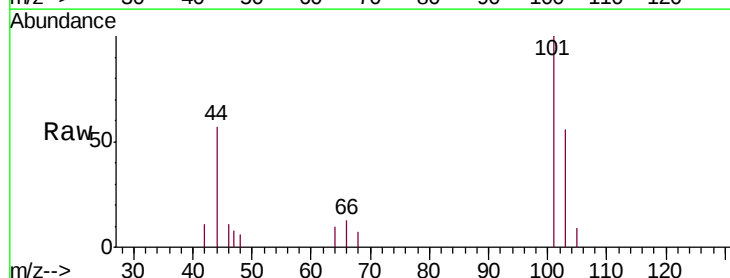
Acq: 24 Oct 2018 15:24

Tgt Ion: 101 Resp: 2212

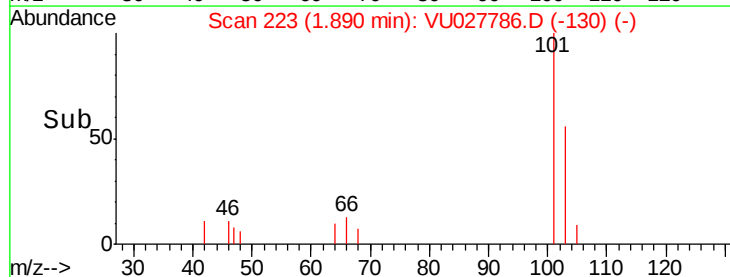
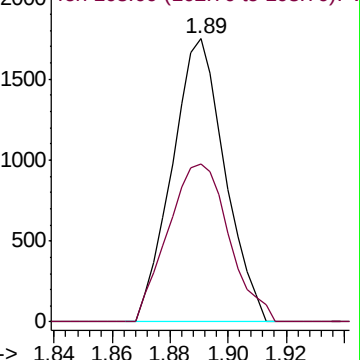
Ion Ratio Lower Upper

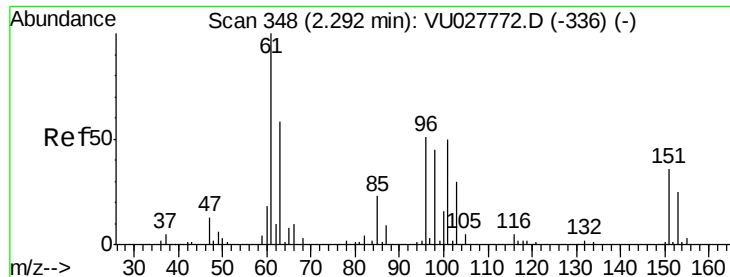
101 100

103 64.6 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU027772.D (-213) (-)





#10

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

Concen: 0.433 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

Instrument :

MSVOA_U

ClientSampled :

MDL03

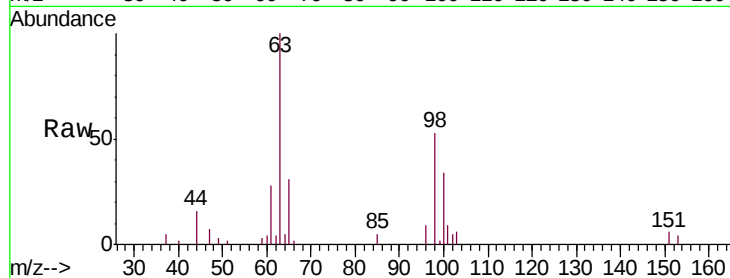
Tgt Ion: 101 Resp: 1209

Ion Ratio Lower Upper

101 100

85 36.8 38.1 57.1#

151 65.9 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

2.29

600

400

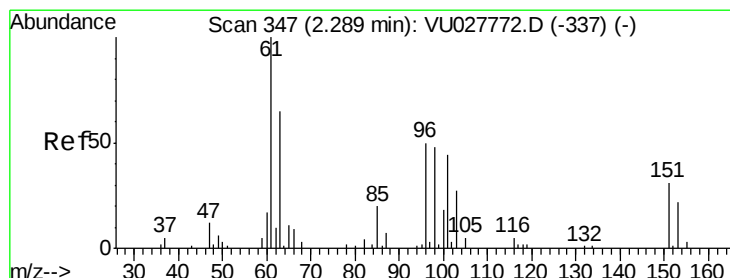
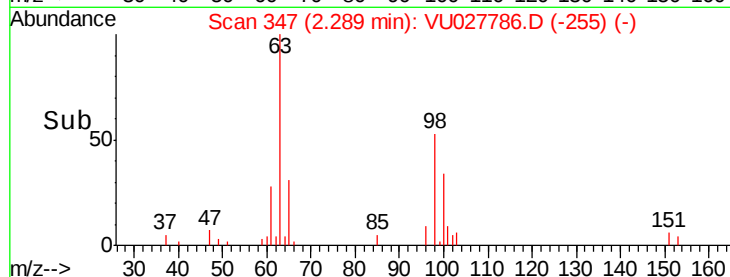
200

0

2.25

2.30

Time-->



#12

1,1-Dichloroethene

Concen: 0.415 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

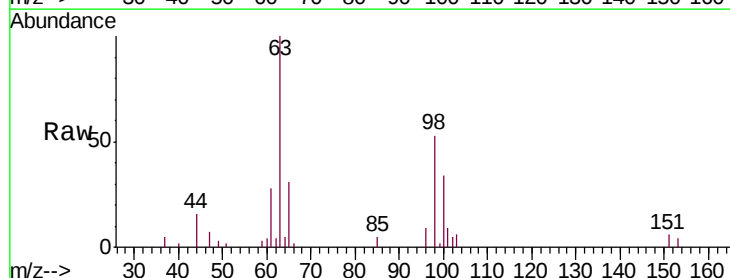
Tgt Ion: 96 Resp: 1081

Ion Ratio Lower Upper

96 100

61 294.9 143.8 267.0#

63 1055.8 105.1 195.3#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

20000

15000

10000

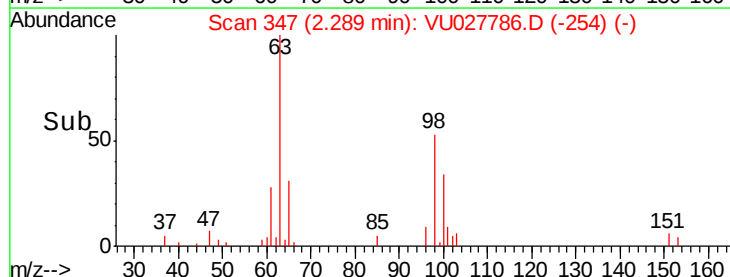
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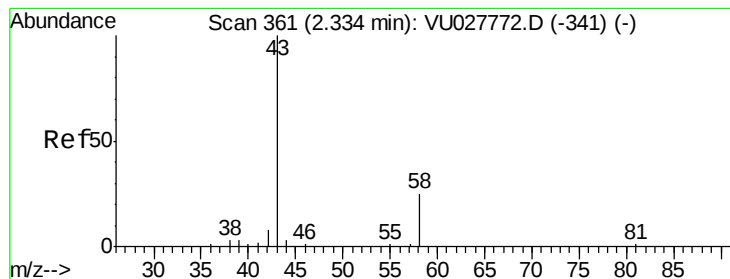
0

2.25

2.30

Time-->





#13

Acetone

Concen: 4.832 ug/L

RT: 2.34 min Scan# 364

Delta R.T. 0.01 min

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ClientSampleId :

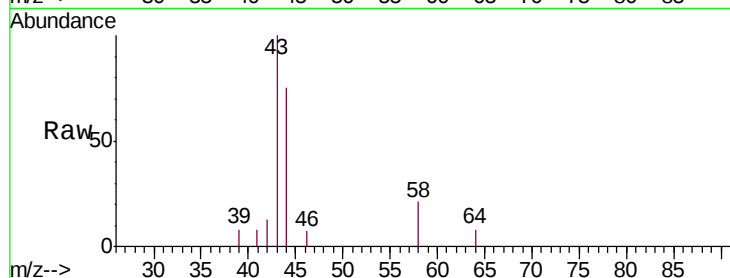
MDL03

Tgt Ion: 43 Resp: 3447

Ion Ratio Lower Upper

43 100

58 20.5 0.0 52.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.34

1500

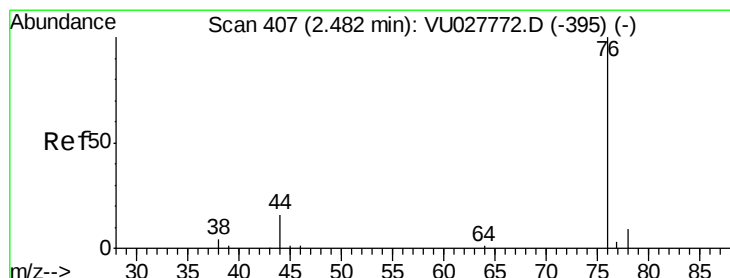
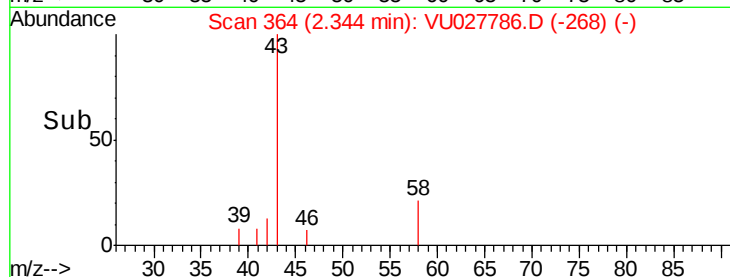
1000

500

0

Time-->

2.30 2.35 2.40



#14

Carbon disulfide

Concen: 0.386 ug/L

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027786.D

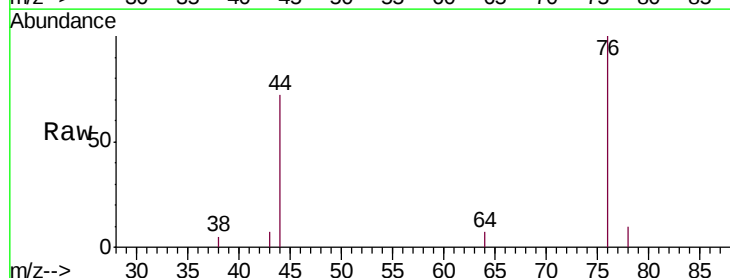
Acq: 24 Oct 2018 15:24

Tgt Ion: 76 Resp: 3444

Ion Ratio Lower Upper

76 100

78 10.1 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2500

2000

1500

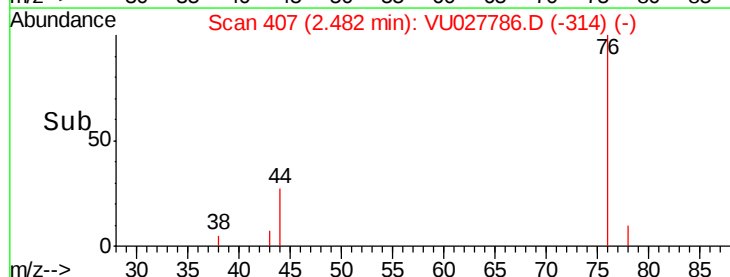
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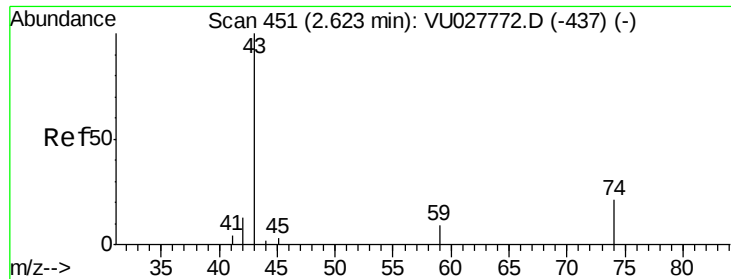
500

0

Time-->

2.45 2.50





#15

Methyl Acetate

Concen: 0.595 ug/L

RT: 2.63 min Scan# 452

Delta R.T. 0.00 min

Lab File: VU027786.D

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ClientSampled :

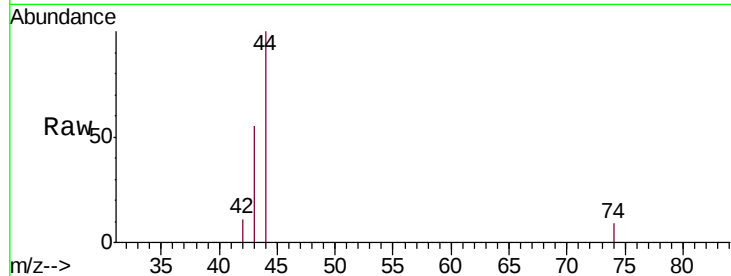
MDL03

Tgt Ion: 43 Resp: 1188

Ion Ratio Lower Upper

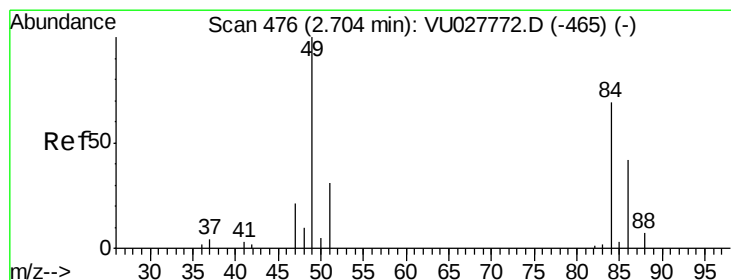
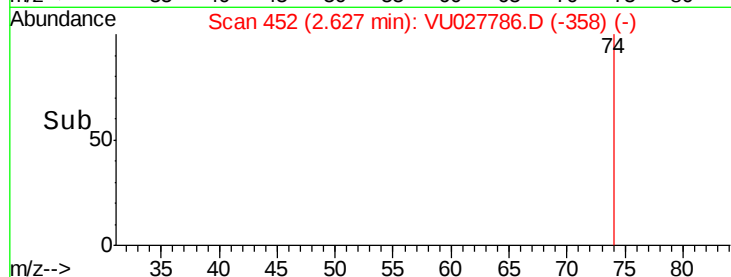
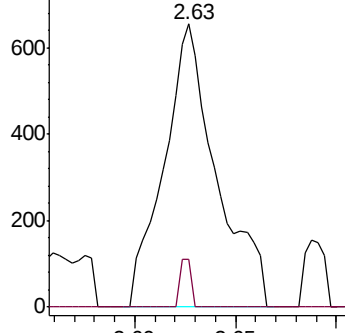
43 100

74 3.5 15.8 23.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 0.554 ug/L

RT: 2.71 min Scan# 477

Delta R.T. 0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

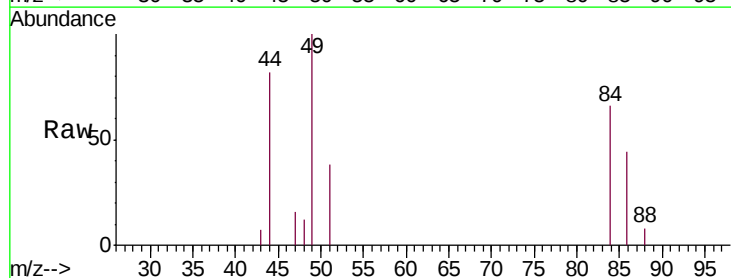
Tgt Ion: 84 Resp: 1700

Ion Ratio Lower Upper

84 100

86 66.8 42.8 79.4

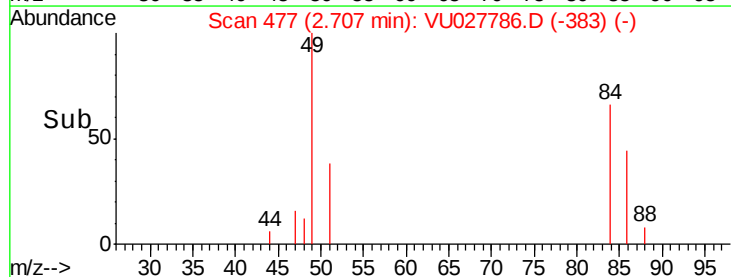
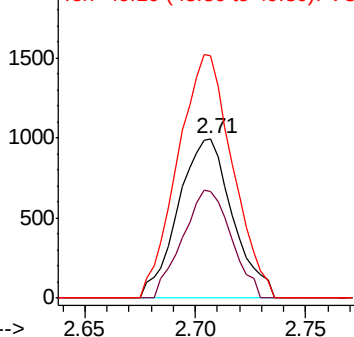
49 151.7 101.4 188.4

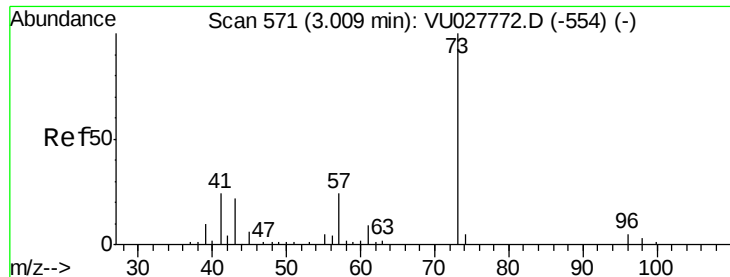


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

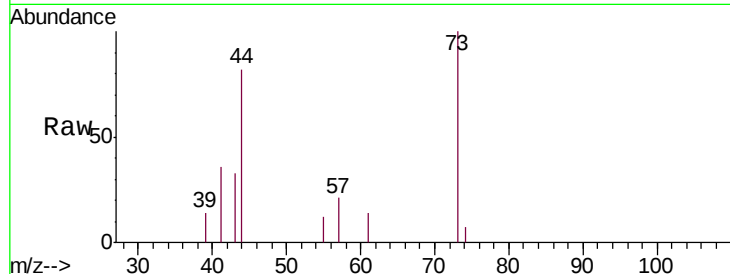




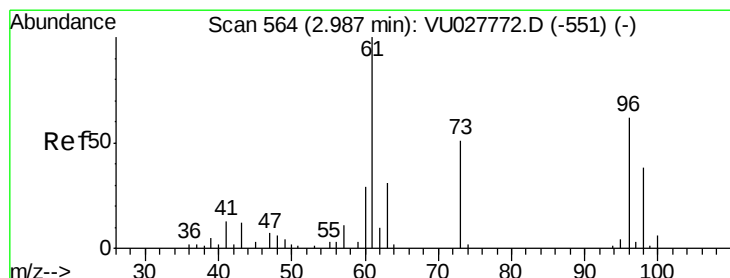
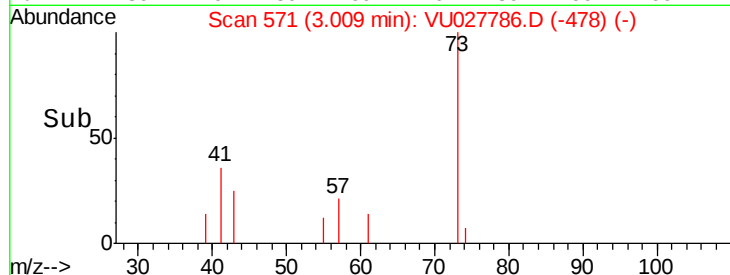
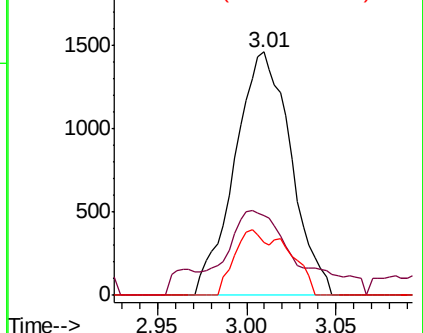
#17
Methyl tert-butyl Ether
Concen: 0.385 ug/L
RT: 3.01 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU027786.D
Acq: 24 Oct 2018 15:24

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion: 73 Resp: 3210
Ion Ratio Lower Upper
73 100
43 43.2 18.6 28.0#
57 15.6 18.2 27.2#

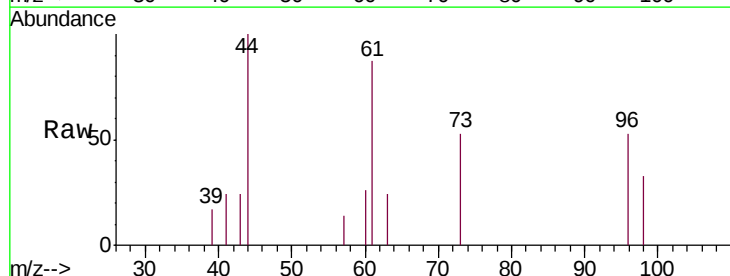


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

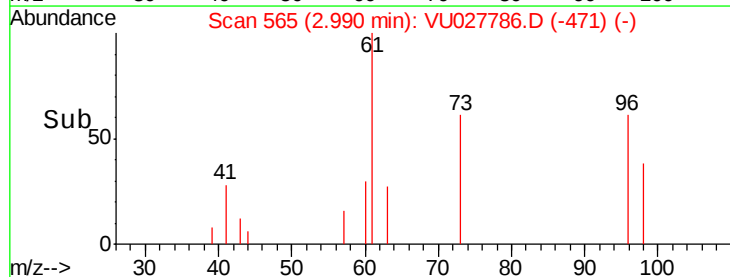
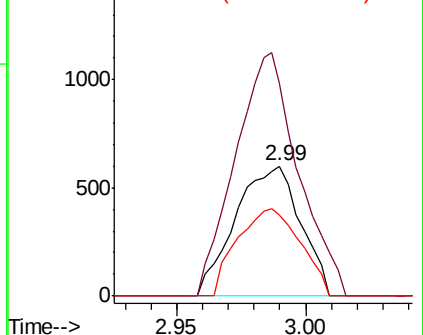


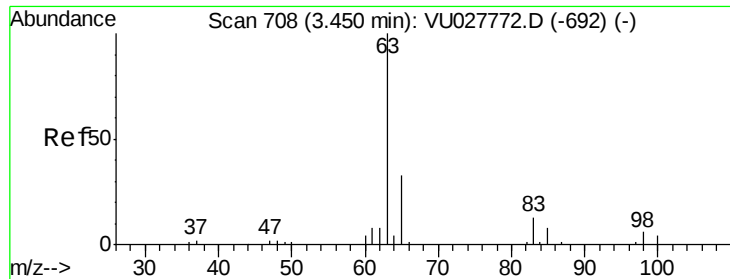
#18
trans-1,2-Dichloroethene
Concen: 0.379 ug/L
RT: 2.99 min Scan# 565
Delta R.T. 0.00 min
Lab File: VU027786.D
Acq: 24 Oct 2018 15:24

Tgt Ion: 96 Resp: 1056
Ion Ratio Lower Upper
96 100
61 163.5 112.1 208.3
98 62.6 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

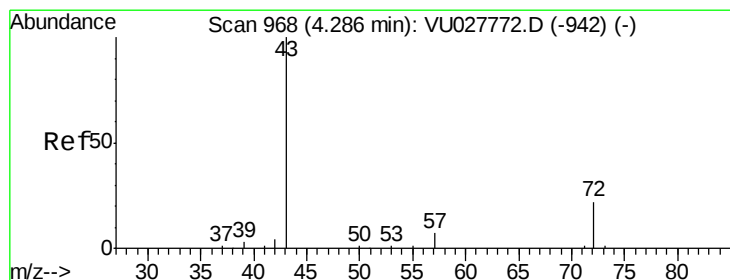
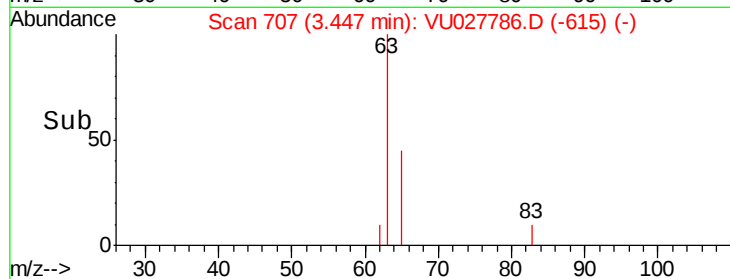
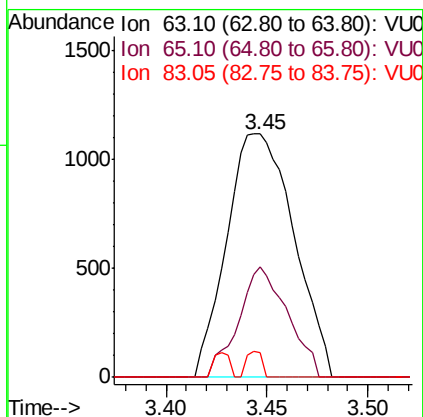
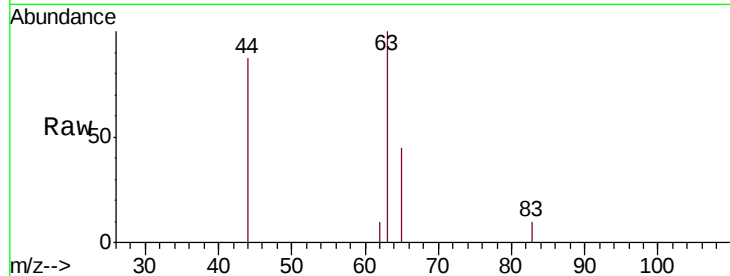




#19
 1,1-Dichloroethane
 Concen: 0.419 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027786.D
 Acq: 24 Oct 2018 15:24

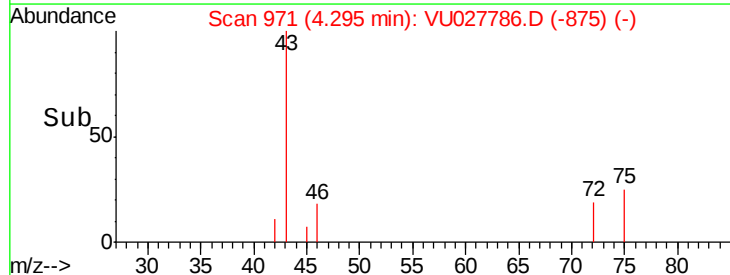
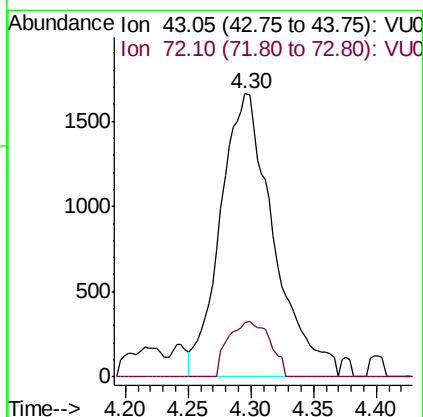
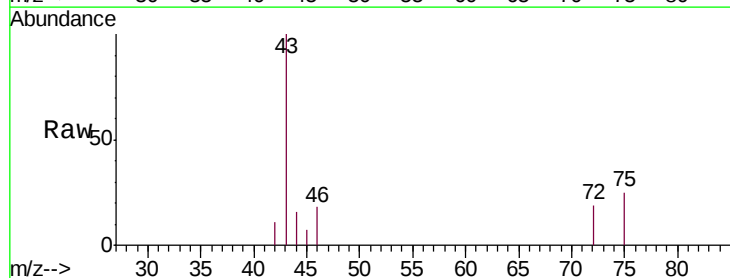
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

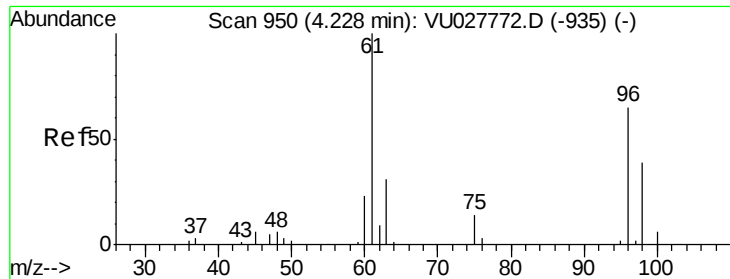
Tgt Ion: 63 Resp: 2582
 Ion Ratio Lower Upper
 63 100
 65 45.2 23.1 42.9#
 83 10.3 9.2 17.0



#21
 2-Butanone
 Concen: 4.186 ug/L
 RT: 4.30 min Scan# 971
 Delta R.T. 0.01 min
 Lab File: VU027786.D
 Acq: 24 Oct 2018 15:24

Tgt Ion: 43 Resp: 4900
 Ion Ratio Lower Upper
 43 100
 72 15.2 10.5 31.6



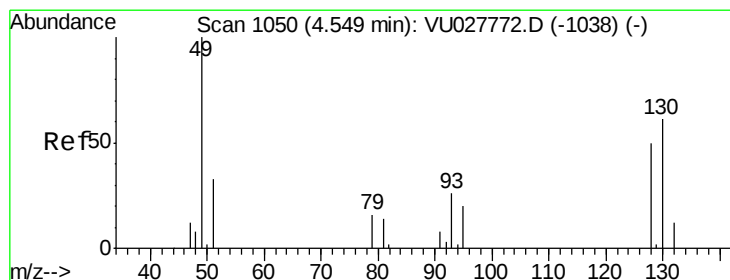
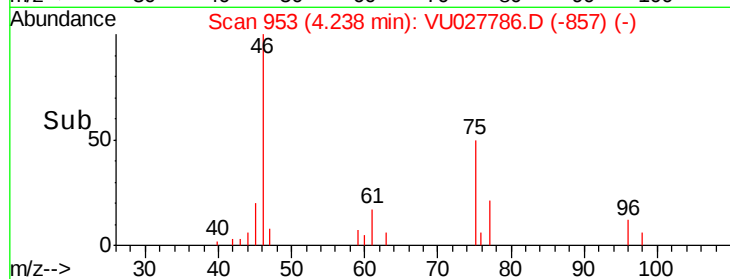
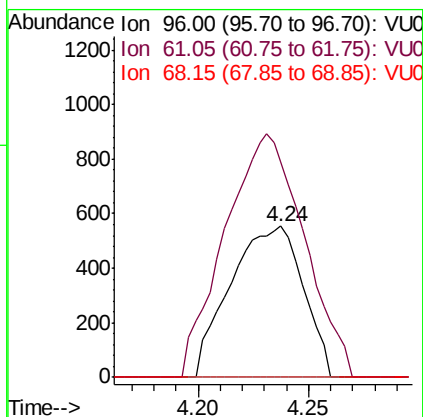
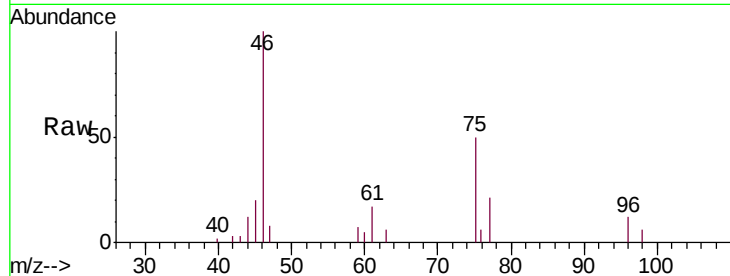


#22

cis-1,2-Dichloroethene
 Concen: 0.381 ug/L
 RT: 4.24 min Scan# 953
 Delta R.T. 0.01 min
 Lab File: VU027786.D
 Acq: 24 Oct 2018 15:24

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

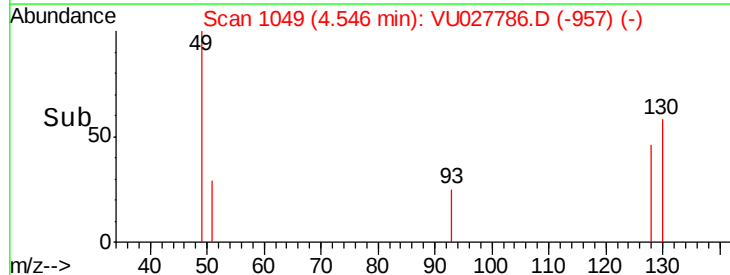
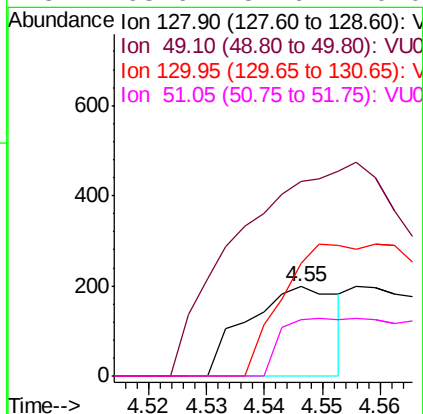
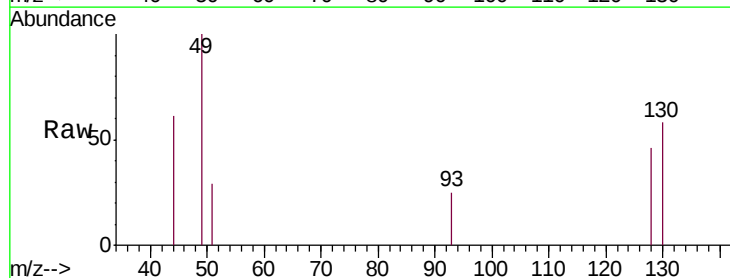
Tgt Ion: 96 Resp: 1263
 Ion Ratio Lower Upper
 96 100
 61 142.5 107.2 199.0
 68 0.0 0.0 0.0

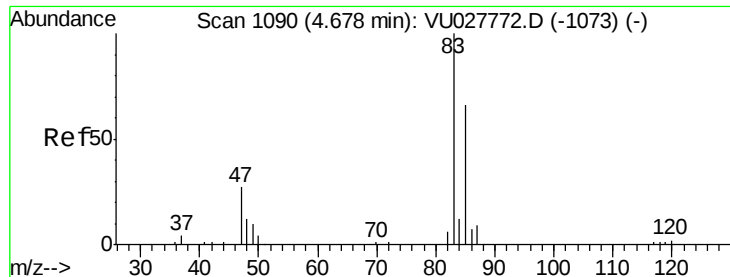


#23

Bromochloromethane
 Concen: 0.160 ug/L
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU027786.D
 Acq: 24 Oct 2018 15:24

Tgt Ion: 128 Resp: 215
 Ion Ratio Lower Upper
 128 100
 49 218.7 142.8 265.2
 130 125.8 86.0 159.8
 51 63.6 52.6 79.0

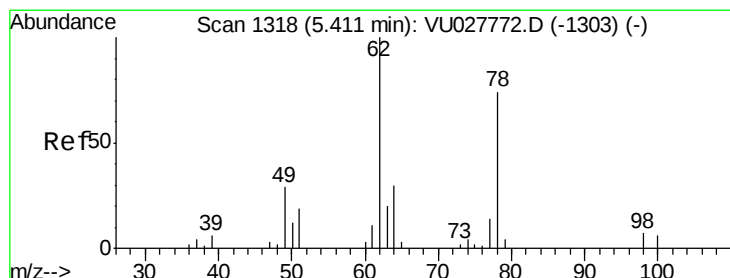
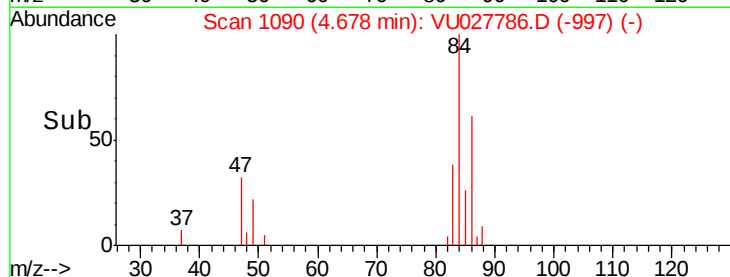
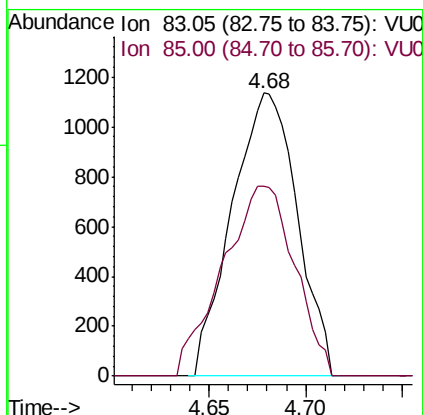
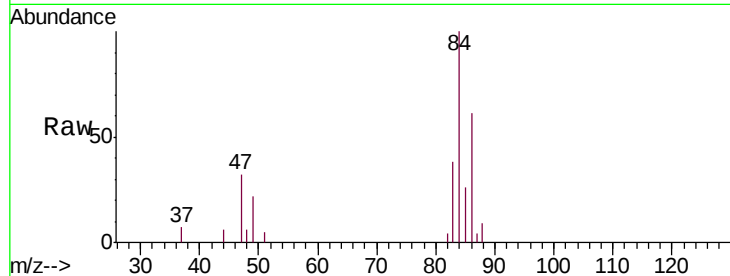




#25
Chloroform
Concen: 0.429 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027786.D
Acq: 24 Oct 2018 15:24

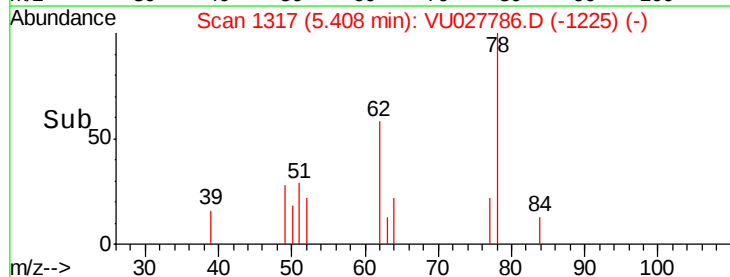
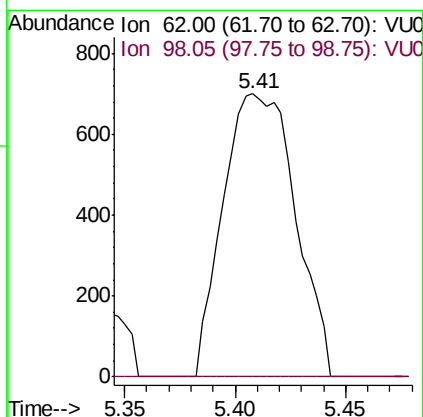
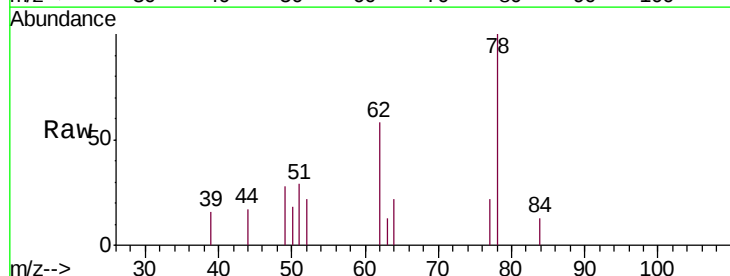
Instrument :
MSVOA_U
ClientSampled :
MDL03

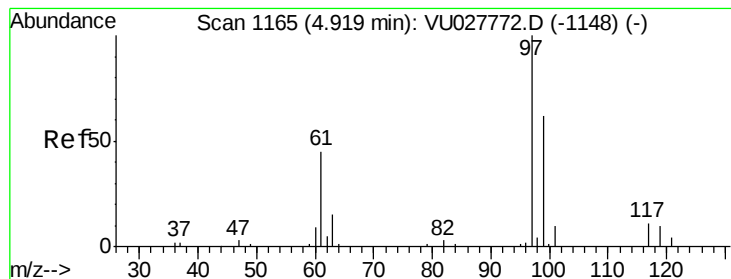
Tgt Ion: 83 Resp: 2666
Ion Ratio Lower Upper
83 100
85 67.3 45.8 85.2



#27
1,2-Dichloroethane
Concen: 0.346 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VU027786.D
Acq: 24 Oct 2018 15:24

Tgt Ion: 62 Resp: 1589
Ion Ratio Lower Upper
62 100
98 0.0 5.7 8.5#





#29

1,1,1-Trichloroethane

Concen: 0.383 ug/L

RT: 4.92 min Scan# 1165

Delta R.T. 0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

Instrument :

MSVOA_U

ClientSampleId :

MDL03

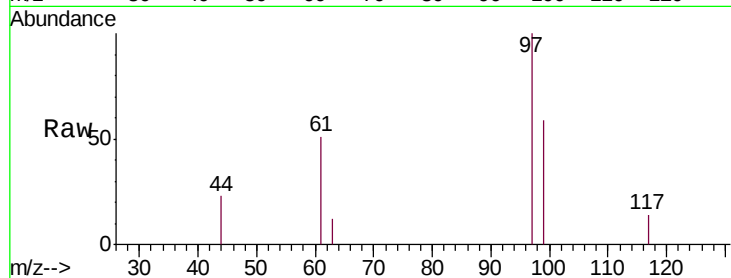
Tgt Ion: 97 Resp: 2107

Ion Ratio Lower Upper

97 100

99 59.8 51.3 76.9

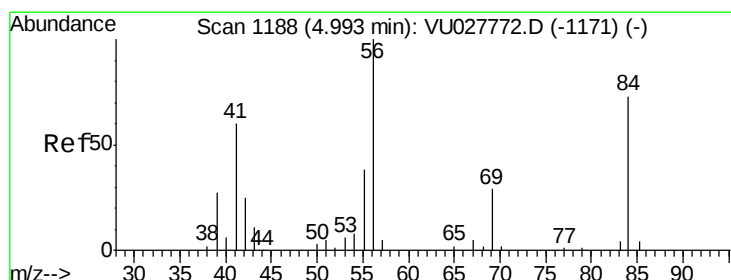
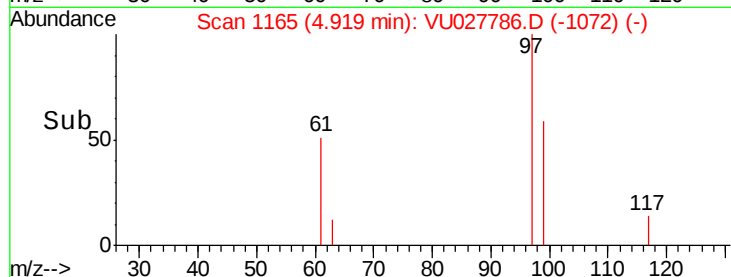
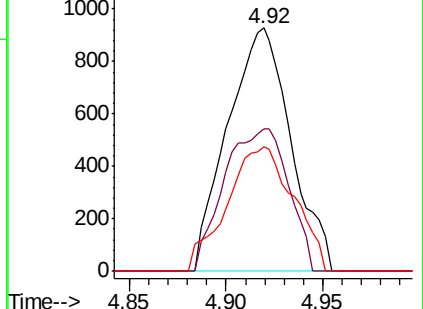
61 54.0 36.7 55.1



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: 0.390 ug/L

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

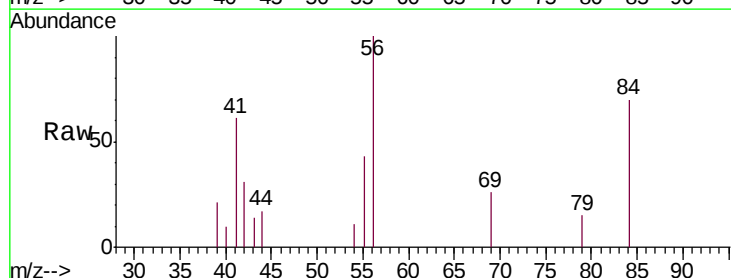
Tgt Ion: 56 Resp: 2407

Ion Ratio Lower Upper

56 100

69 22.6 22.2 33.4

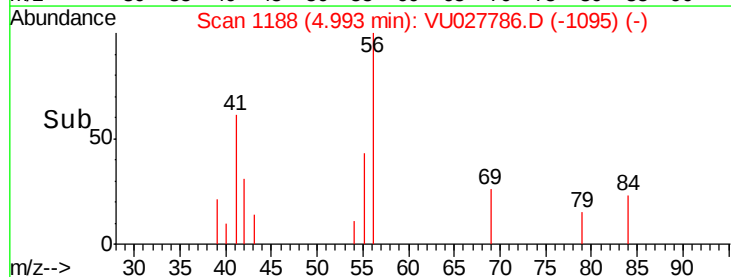
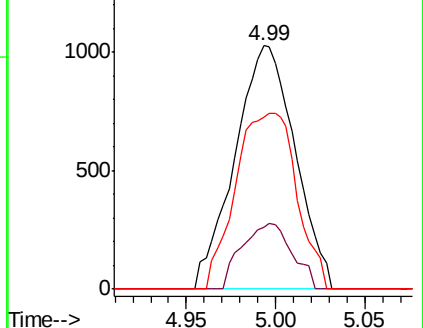
84 73.5 58.6 88.0

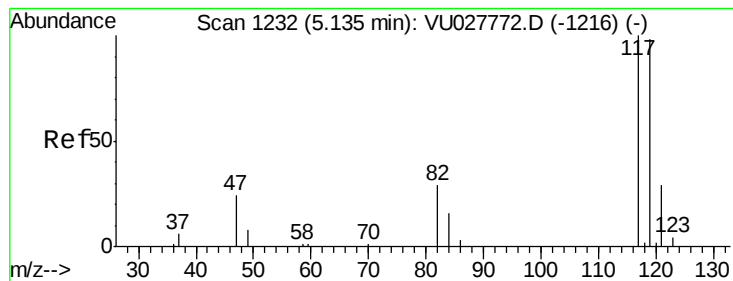


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 0.376 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

Instrument :

MSVOA_U

ClientSampleId :

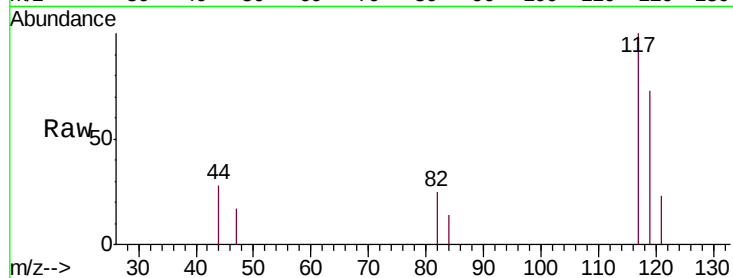
MDL03

Tgt Ion:117 Resp: 1774

Ion Ratio Lower Upper

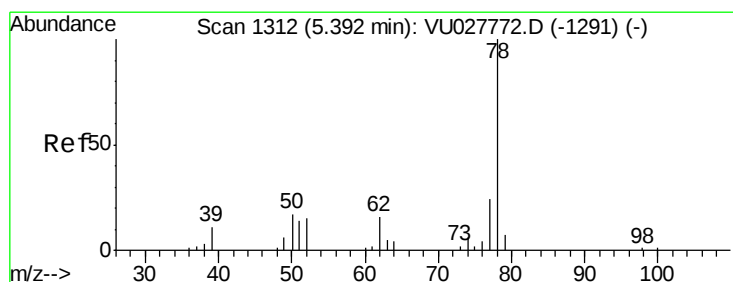
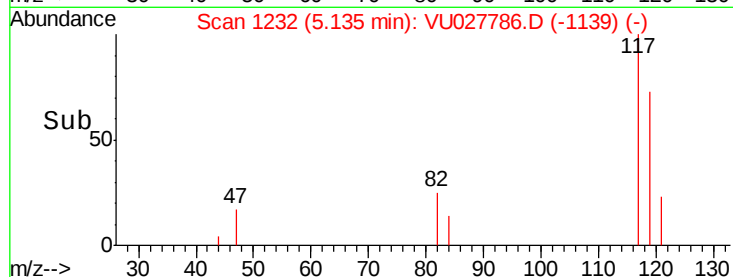
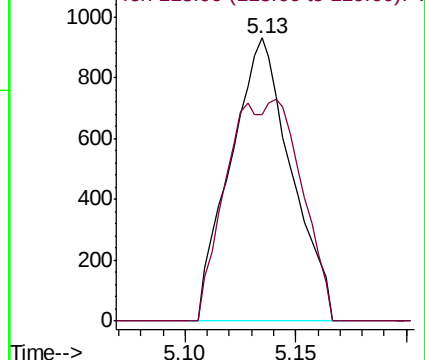
117 100

119 49.4 77.0 115.6#



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.399 ug/L

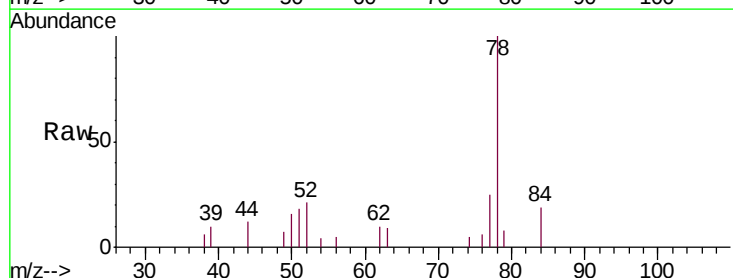
RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

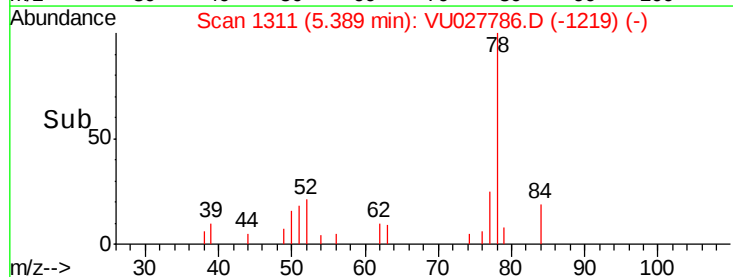
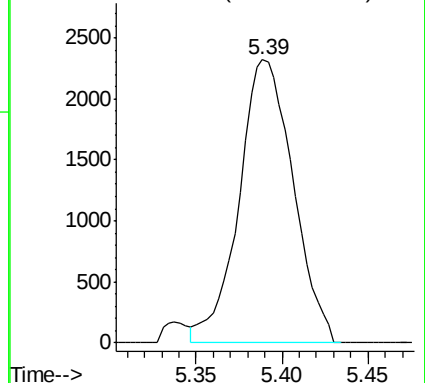
Lab File: VU027786.D

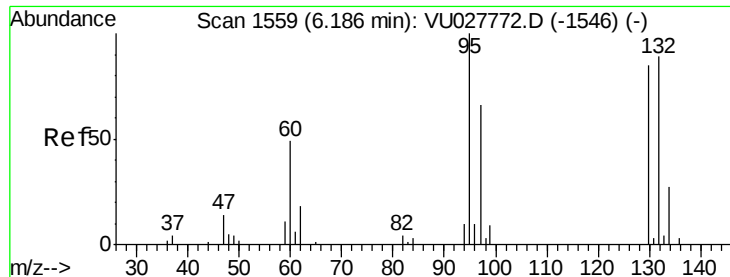
Acq: 24 Oct 2018 15:24

Tgt Ion: 78 Resp: 5073



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.460 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tgt Ion: 95 Resp: 1517

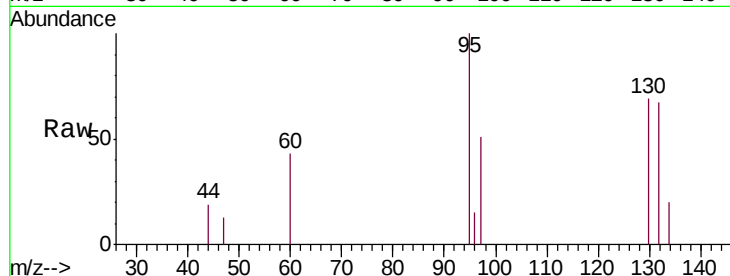
Ion Ratio Lower Upper

95 100

97 50.6 46.4 86.2

132 67.2 62.0 115.2

130 68.5 59.5 110.5

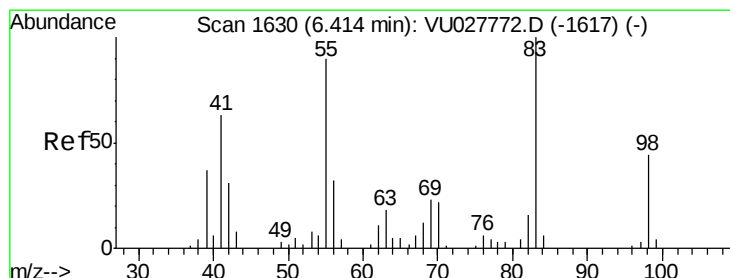
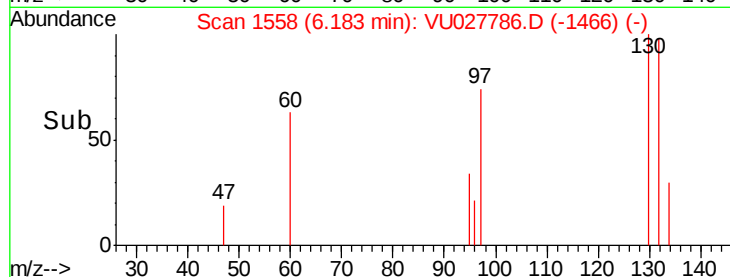
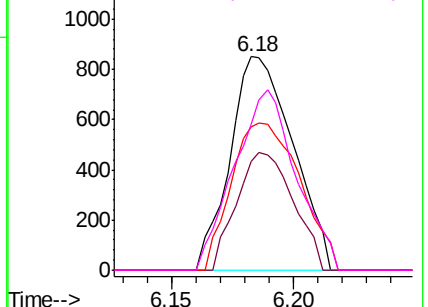


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.417 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

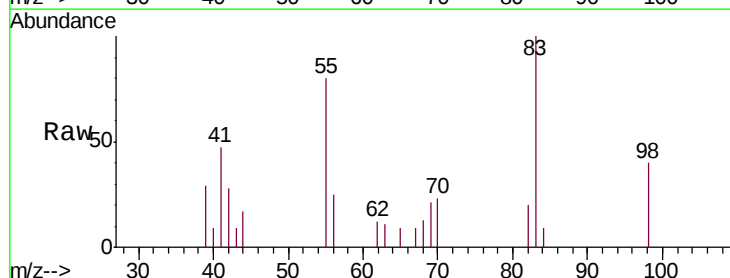
Tgt Ion: 83 Resp: 2298

Ion Ratio Lower Upper

83 100

55 86.9 71.5 107.3

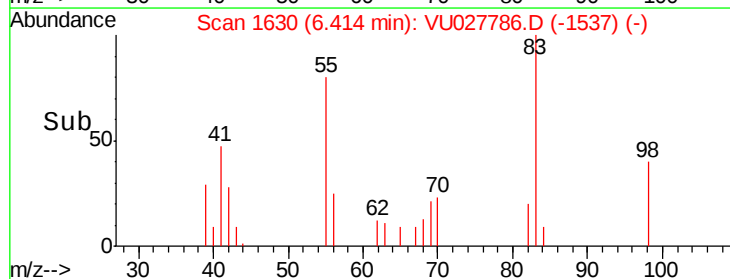
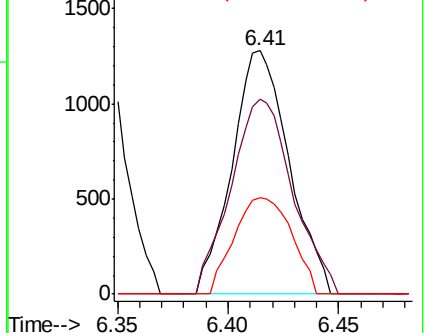
98 39.9 35.4 53.0

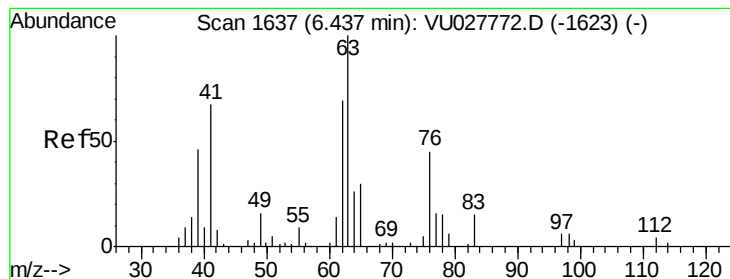


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.379 ug/L

RT: 6.44 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

Instrument :

MSVOA_U

ClientSampled :

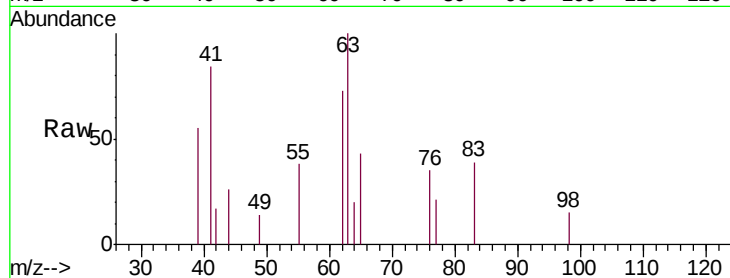
MDL03

Tgt Ion: 63 Resp: 1415

Ion Ratio Lower Upper

63 100

112 0.0 2.7 4.1#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

6.44

800

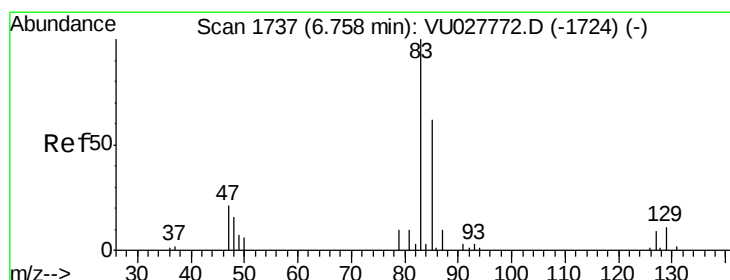
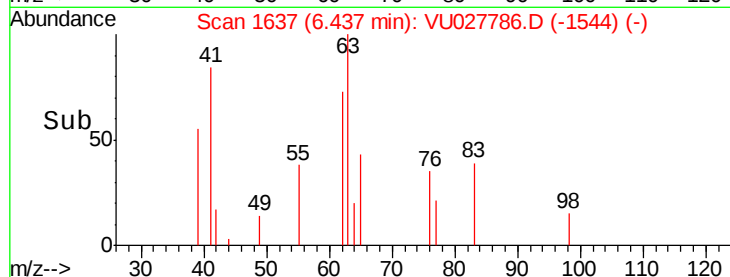
600

400

200

0

Time-->



#38

Bromodichloromethane

Concen: 0.404 ug/L

RT: 6.76 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

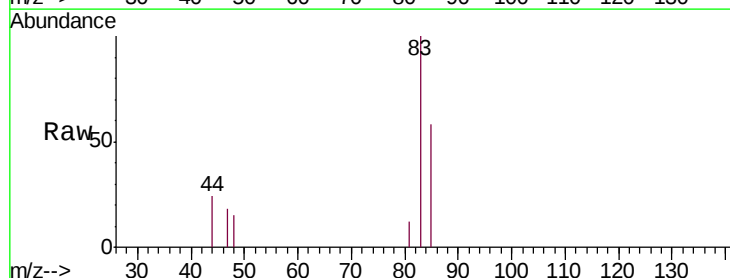
Tgt Ion: 83 Resp: 1803

Ion Ratio Lower Upper

83 100

85 58.4 43.3 80.5

127 0.0 7.2 10.8#



Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V

6.76

1200

1000

800

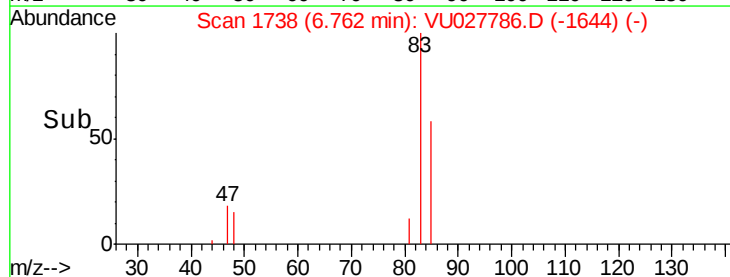
600

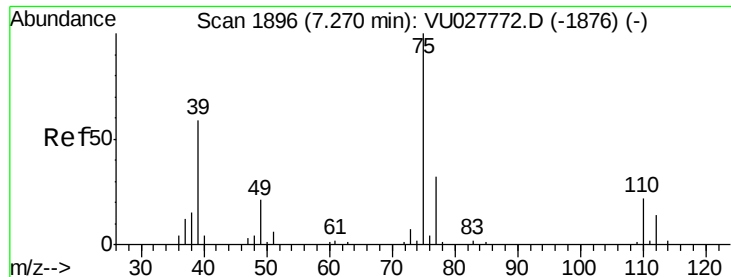
400

200

0

Time-->

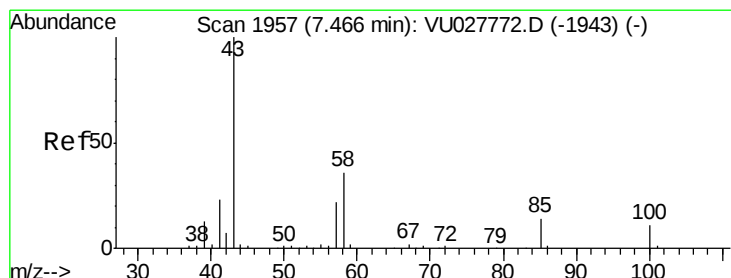
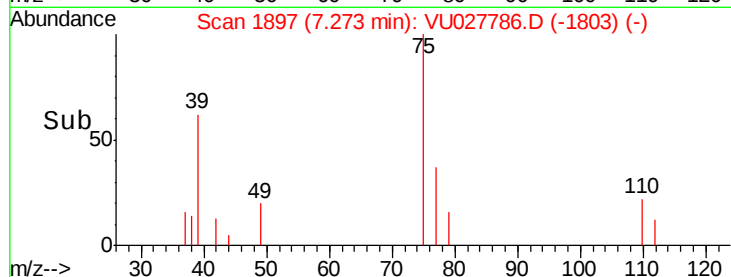
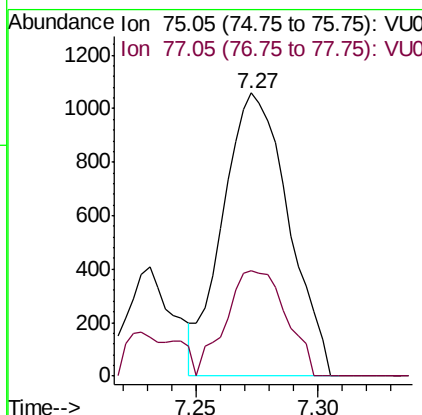
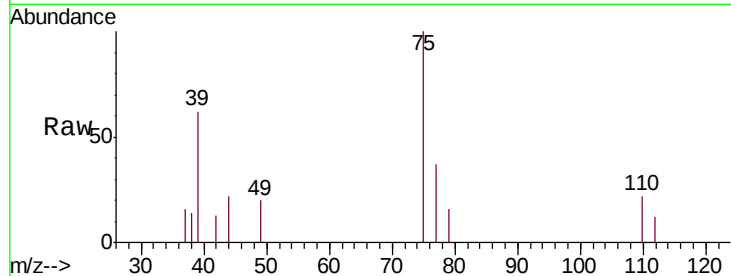




#39
 cis-1,3-Dichloropropene
 Concen: 0.370 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU027786.D
 Acq: 24 Oct 2018 15:24

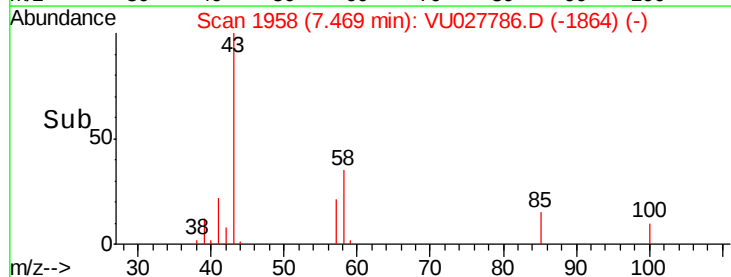
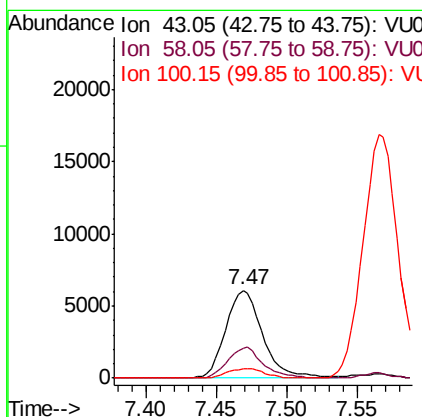
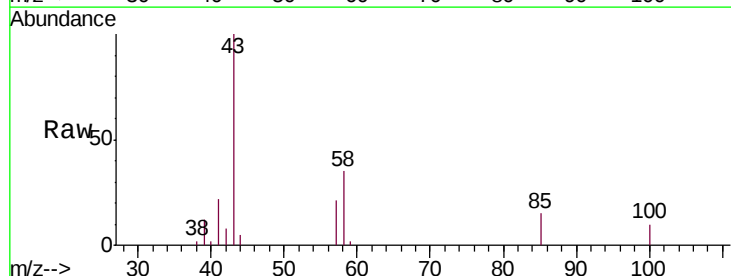
Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

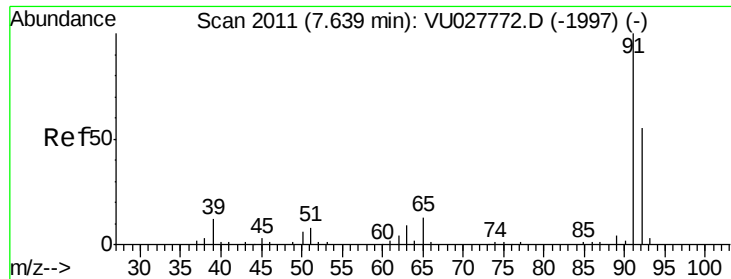
Tgt Ion: 75 Resp: 1977
 Ion Ratio Lower Upper
 75 100
 77 37.1 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 4.011 ug/L
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU027786.D
 Acq: 24 Oct 2018 15:24

Tgt Ion: 43 Resp: 11197
 Ion Ratio Lower Upper
 43 100
 58 32.9 28.1 42.1
 100 10.5 8.7 13.1





#42

Toluene

Concen: 0.406 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

Instrument :

MSVOA_U

ClientSampleId :

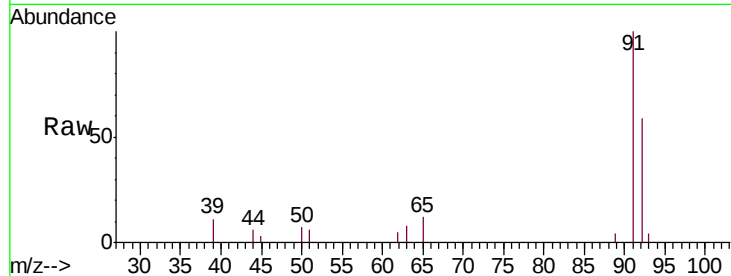
MDL03

Tgt Ion: 91 Resp: 5559

Ion Ratio Lower Upper

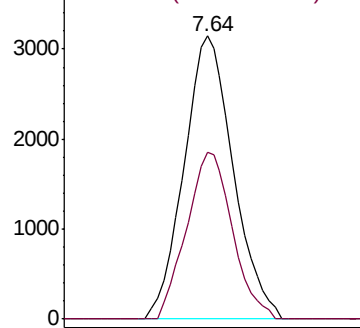
91 100

92 59.0 38.6 71.8

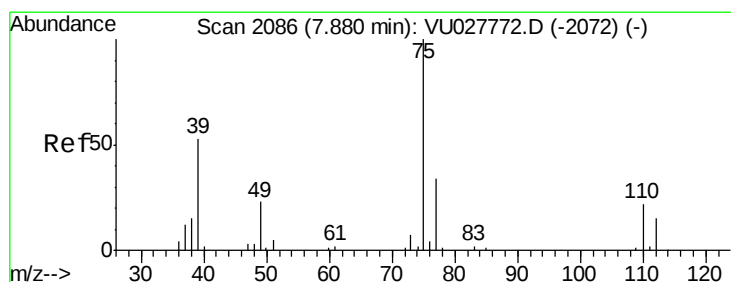
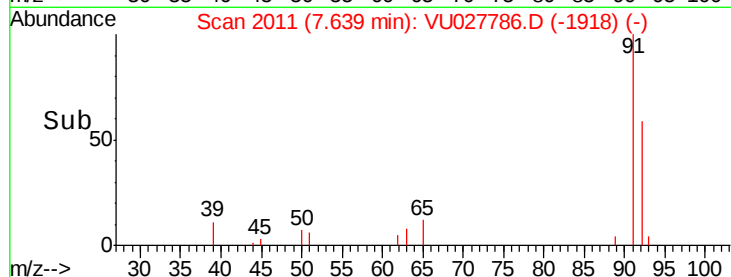


Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.474 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027786.D

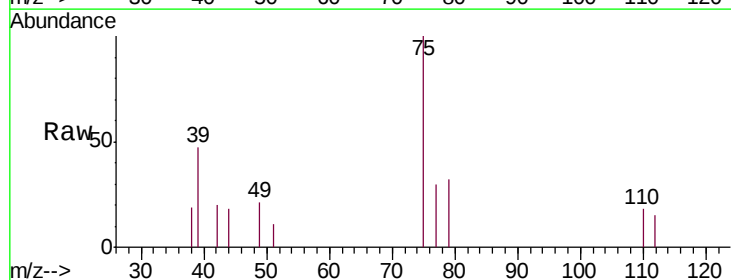
Acq: 24 Oct 2018 15:24

Tgt Ion: 75 Resp: 2137

Ion Ratio Lower Upper

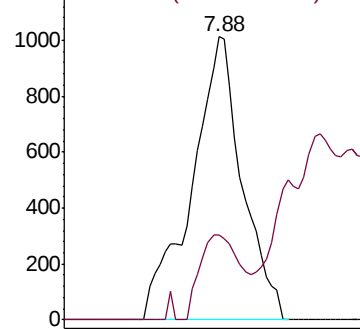
75 100

77 29.8 23.5 43.7

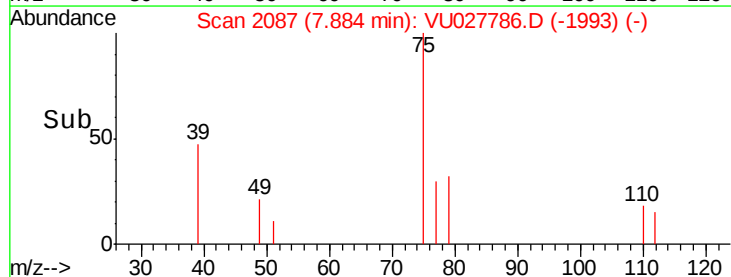


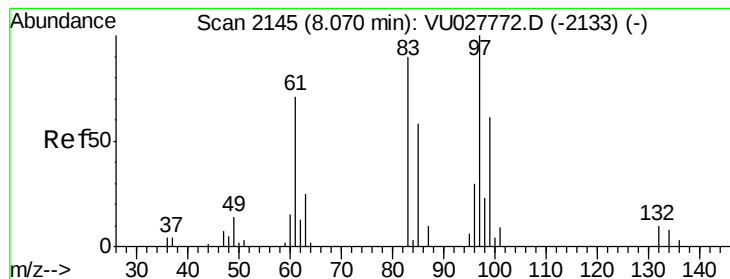
Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



Time-->





#45

1,1,2-Trichloroethane

Concen: 0.396 ug/L

RT: 8.07 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tgt Ion: 97 Resp: 893

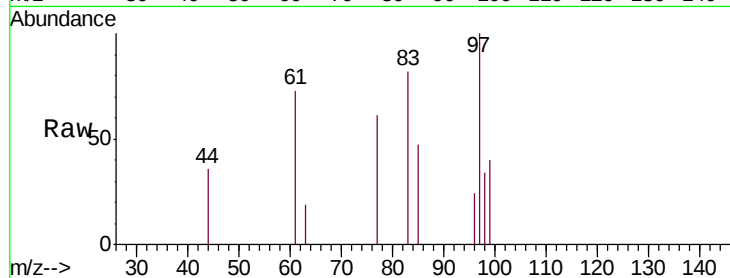
Ion Ratio Lower Upper

97 100

99 39.7 42.8 79.6#

83 81.8 62.9 116.9

85 47.3 40.8 75.8



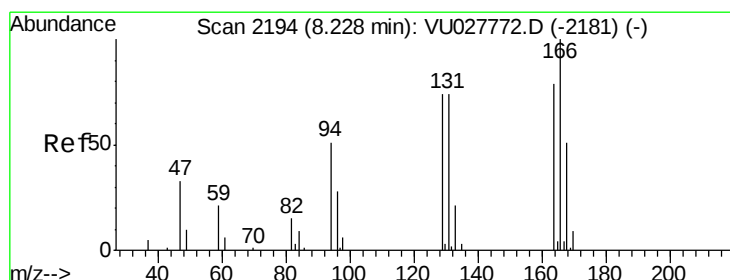
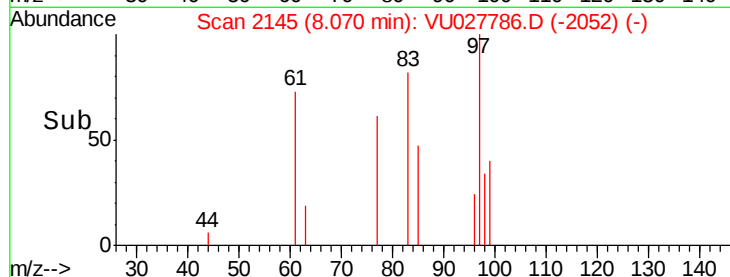
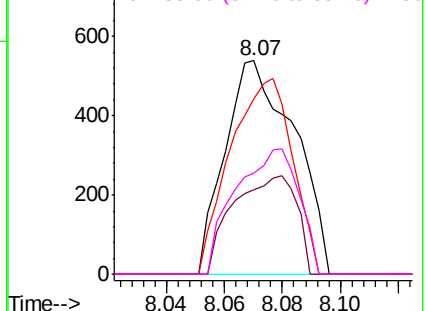
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 0.381 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

Tgt Ion: 164 Resp: 1019

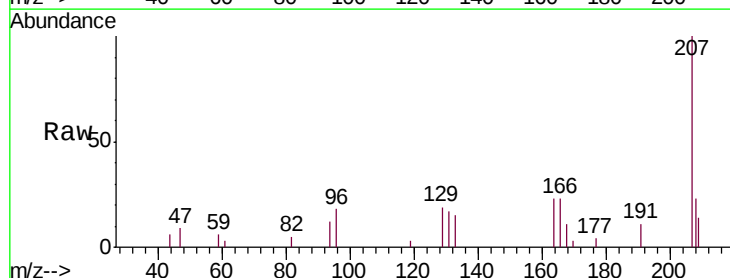
Ion Ratio Lower Upper

164 100

129 83.2 65.6 121.8

131 74.4 65.0 120.8

166 100.7 88.3 164.1



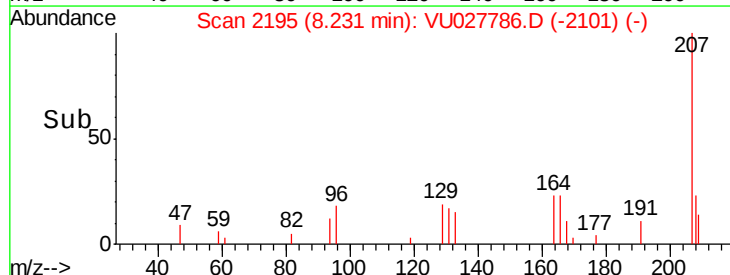
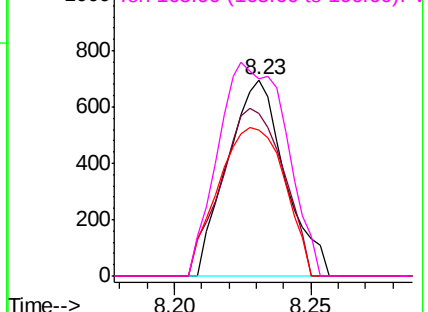
Abundance

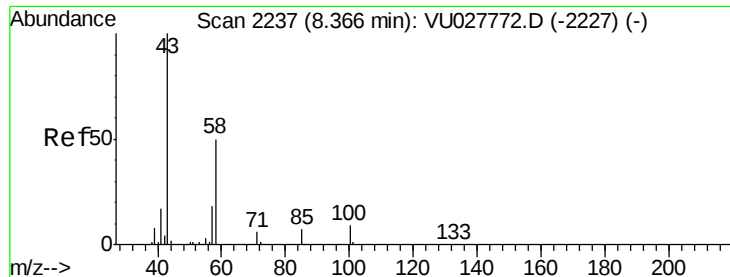
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

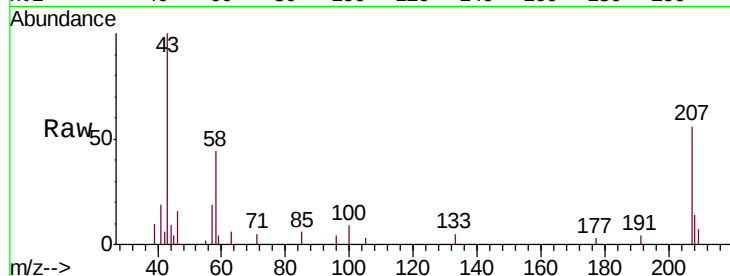




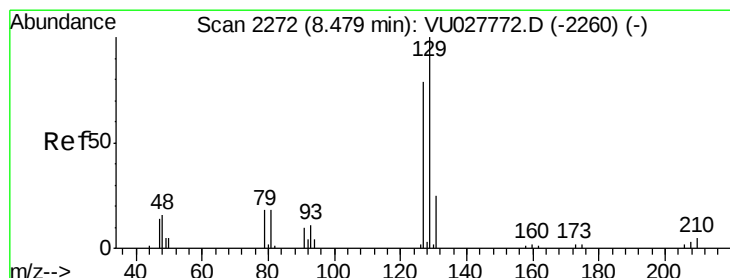
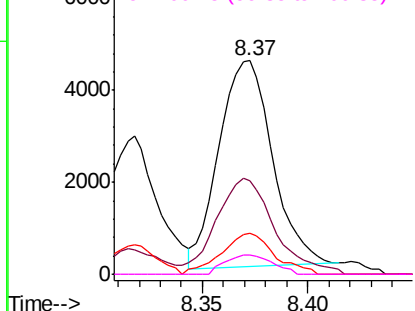
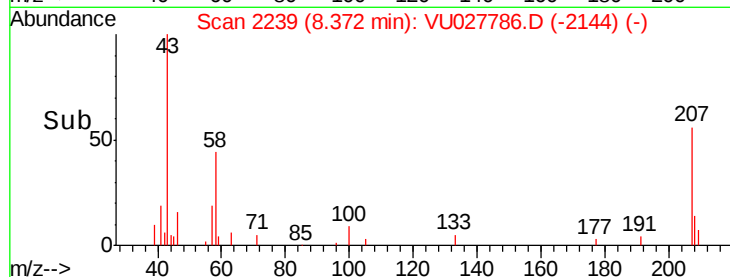
#48
2-Hexanone
Concen: 3.974 ug/L
RT: 8.37 min Scan# 2239
Delta R.T. 0.01 min
Lab File: VU027786.D
Acq: 24 Oct 2018 15:24

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion: 43 Resp: 7883
Ion Ratio Lower Upper
43 100
58 50.8 39.4 59.0
57 19.7 13.8 20.8
100 8.3 6.7 10.1

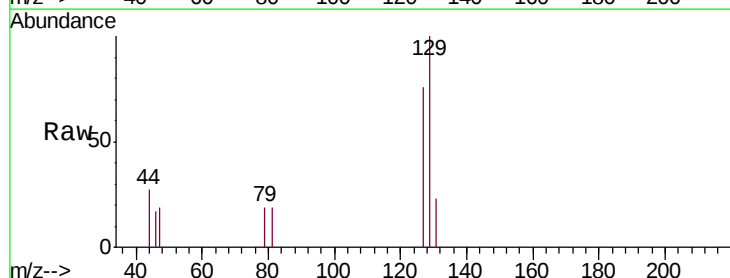


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

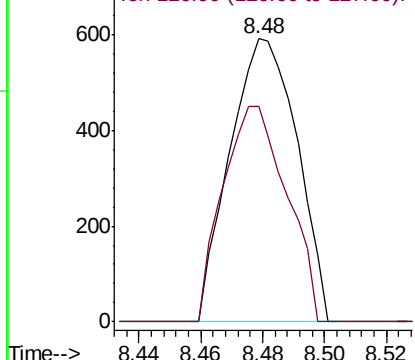
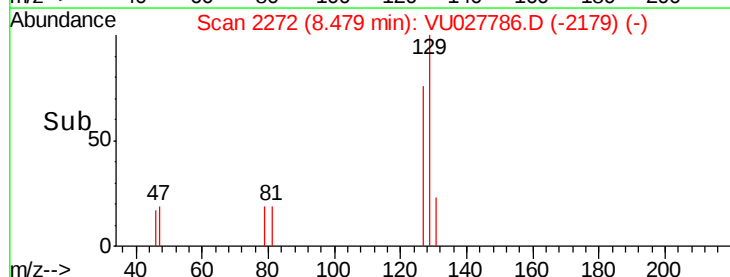


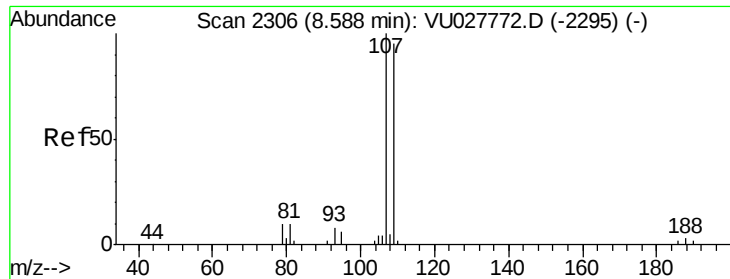
#49
Dibromochloromethane
Concen: 0.311 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027786.D
Acq: 24 Oct 2018 15:24

Tgt Ion: 129 Resp: 894
Ion Ratio Lower Upper
129 100
127 76.2 55.2 102.4



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

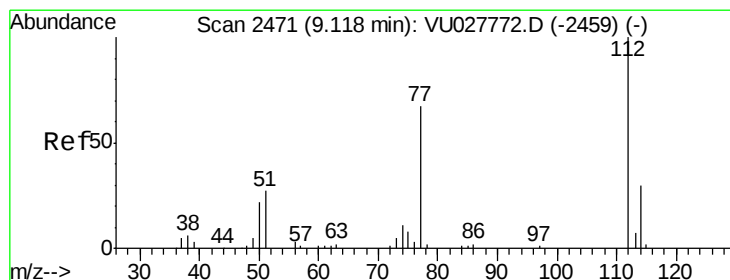
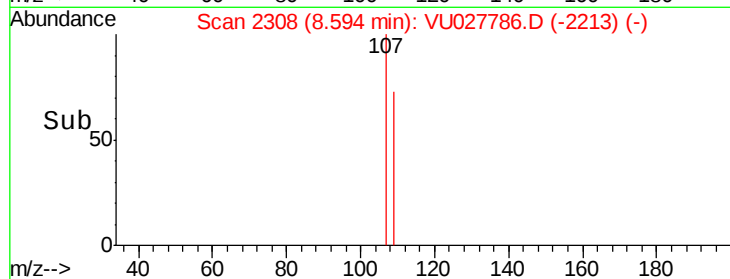
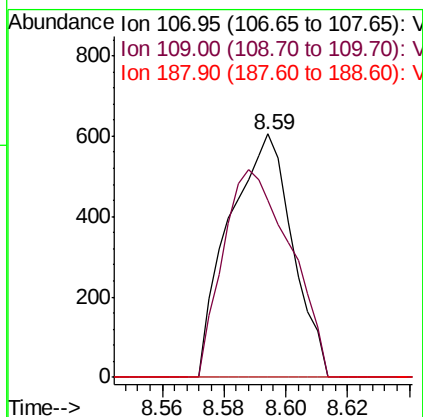
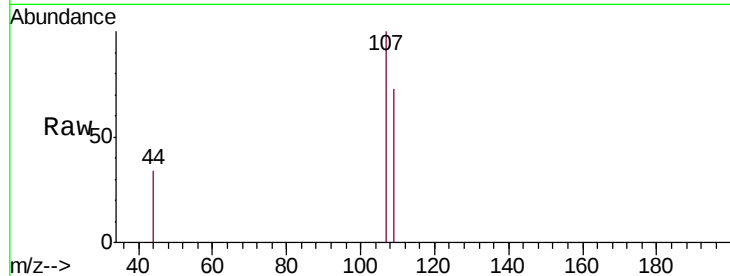




#50
1,2-Dibromoethane
Concen: 0.393 ug/L
RT: 8.59 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VU027786.D
Acq: 24 Oct 2018 15:24

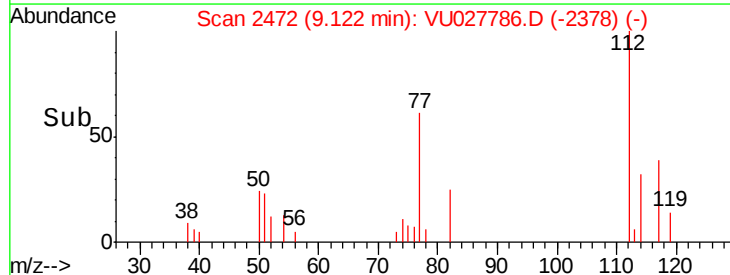
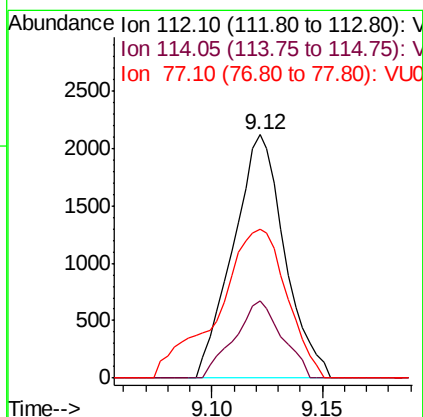
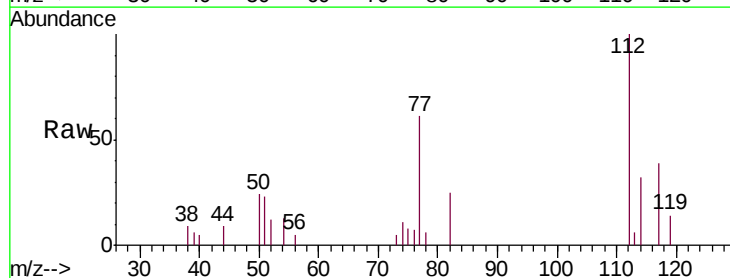
Instrument :
MSVOA_U
ClientSampleId :
MDL03

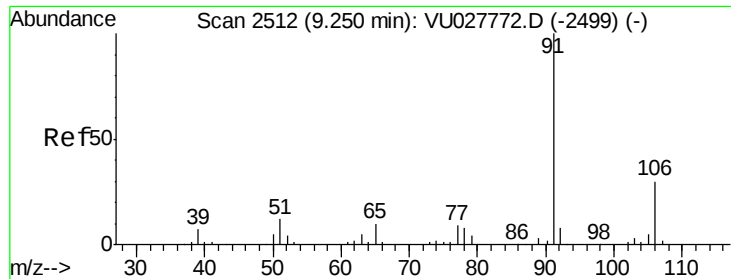
Tgt Ion:107 Resp: 861
Ion Ratio Lower Upper
107 100
109 72.8 66.3 123.1
188 0.0 2.6 3.8#



#51
Chlorobenzene
Concen: 0.407 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027786.D
Acq: 24 Oct 2018 15:24

Tgt Ion:112 Resp: 3430
Ion Ratio Lower Upper
112 100
114 31.8 21.2 39.4
77 60.9 54.2 81.4





#52

Ethylbenzene

Concen: 0.413 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

Instrument :

MSVOA_U

ClientSampleId :

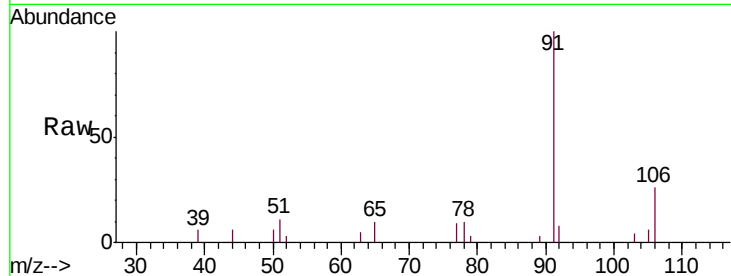
MDL03

Tgt Ion: 91 Resp: 6552

Ion Ratio Lower Upper

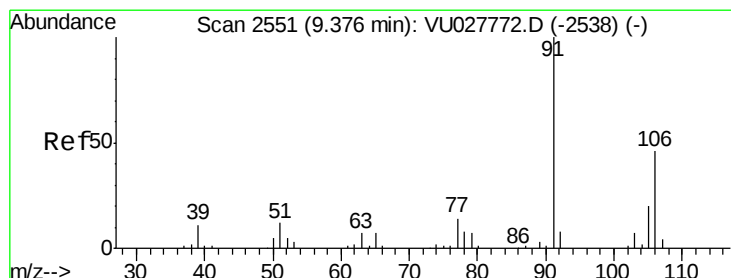
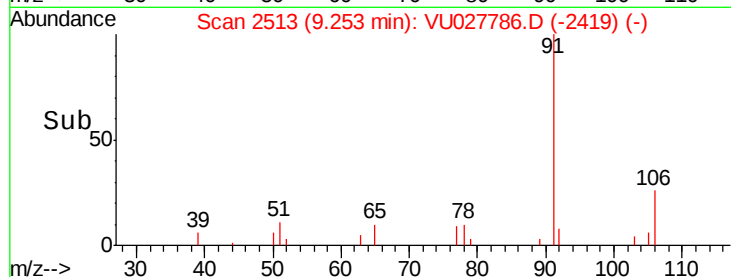
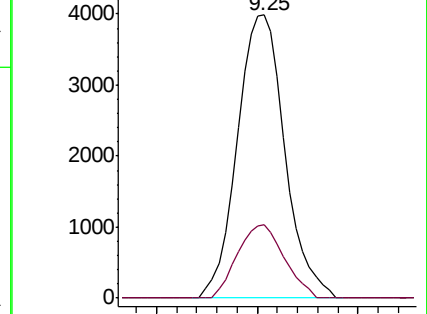
91 100

106 25.8 20.6 38.4



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

Ion 106.15 (105.85 to 106.85): VU027786.D (-2419) (-)



#53

m,p-xylene

Concen: 0.351 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027786.D

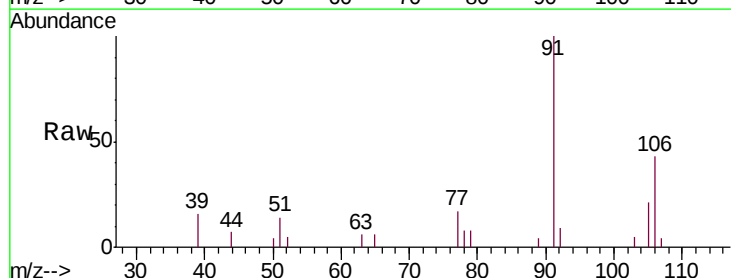
Acq: 24 Oct 2018 15:24

Tgt Ion: 106 Resp: 1975

Ion Ratio Lower Upper

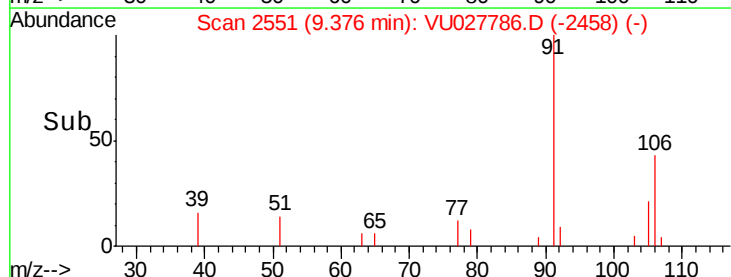
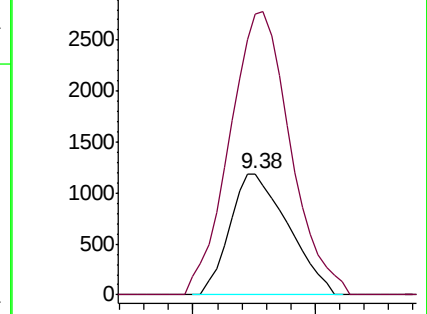
106 100

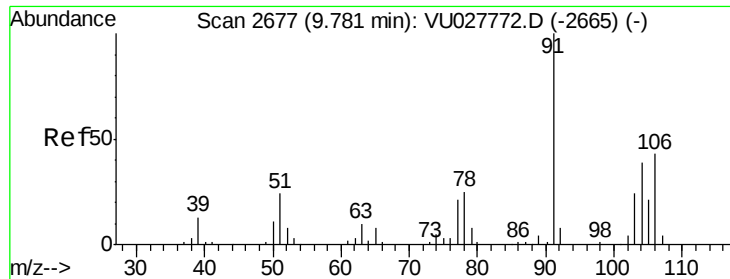
91 231.7 154.1 286.3



Abundance Ion 106.15 (105.85 to 106.85): VU027786.D (-2419) (-)

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

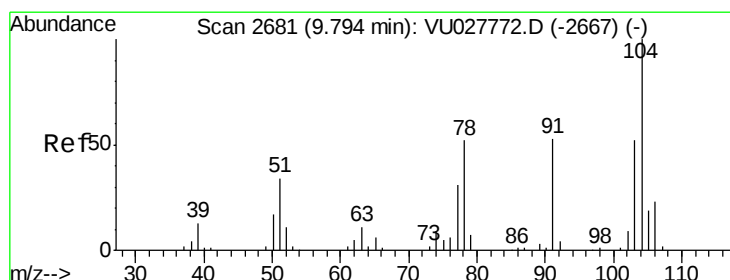
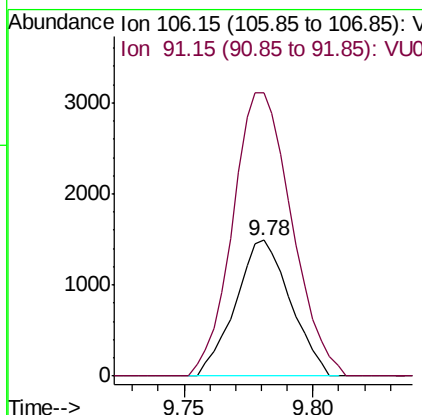
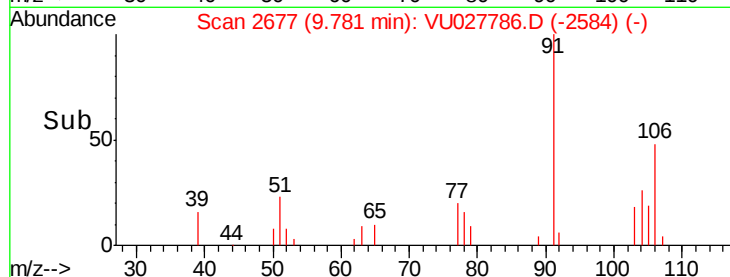
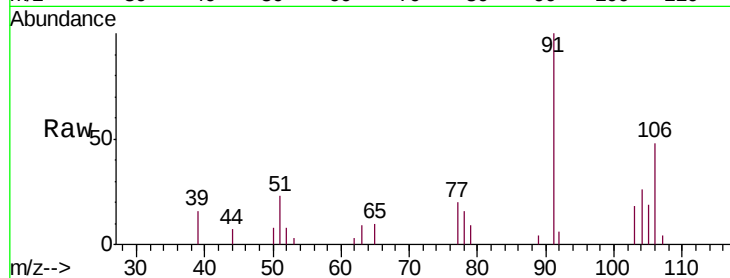




#54
o-xylene
Concen: 0.402 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027786.D
Acq: 24 Oct 2018 15:24

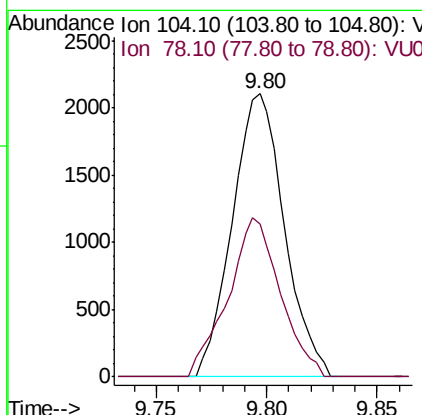
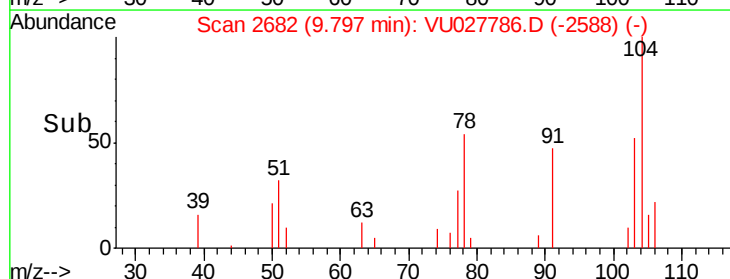
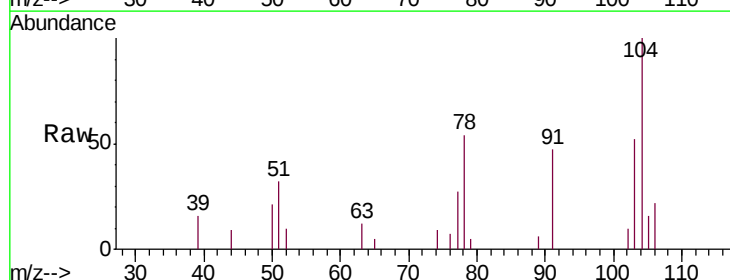
Instrument :
MSVOA_U
ClientSampleId :
MDL03

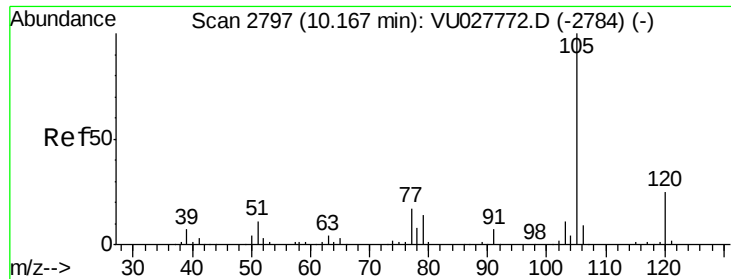
Tgt Ion:106 Resp: 2209
Ion Ratio Lower Upper
106 100
91 208.4 161.3 299.7



#55
Styrene
Concen: 0.371 ug/L
RT: 9.80 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU027786.D
Acq: 24 Oct 2018 15:24

Tgt Ion:104 Resp: 3454
Ion Ratio Lower Upper
104 100
78 54.0 36.3 67.3





#56

Isopropylbenzene

Concen: 0.385 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

Instrument :

MSVOA_U

ClientSampled :

MDL03

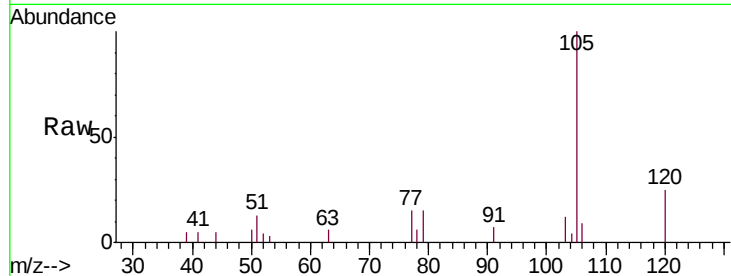
Tgt Ion: 105 Resp: 5860

Ion Ratio Lower Upper

105 100

120 24.9 19.9 29.9

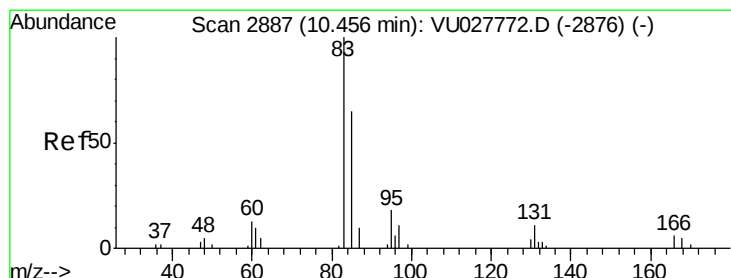
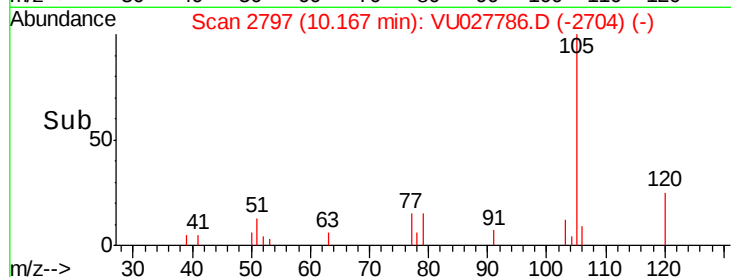
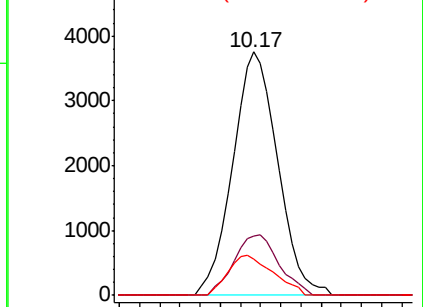
77 16.5 13.7 20.5



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: 0.374 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

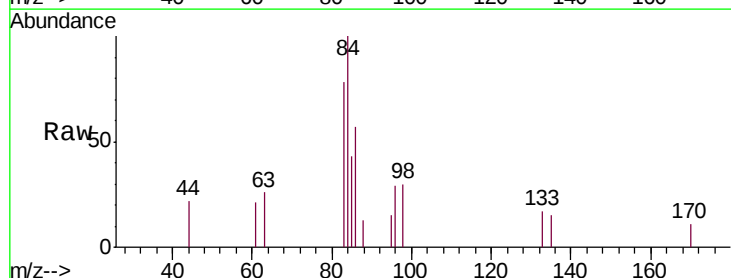
Tgt Ion: 83 Resp: 1108

Ion Ratio Lower Upper

83 100

85 55.3 45.5 84.5

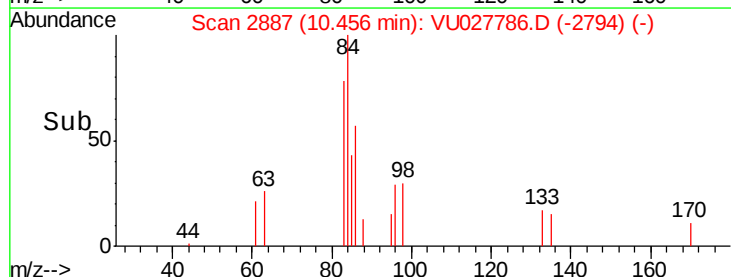
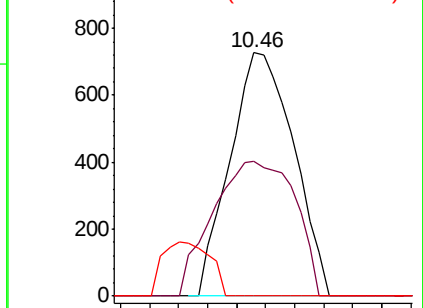
131 0.0 8.8 13.2#

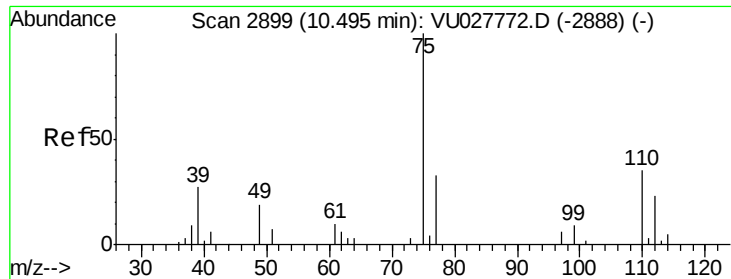


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.383 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

Instrument :

MSVOA_U

ClientSampleId :

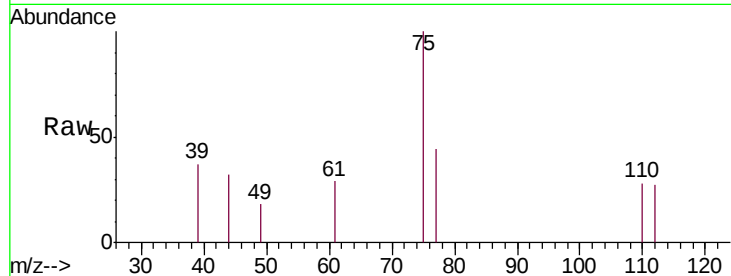
MDL03

Tgt Ion: 75 Resp: 901

Ion Ratio Lower Upper

75 100

77 35.5 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU027772.D (-2888) (-)

Ion 77.00 (76.70 to 77.70): VU027772.D (-2888) (-)

10.49

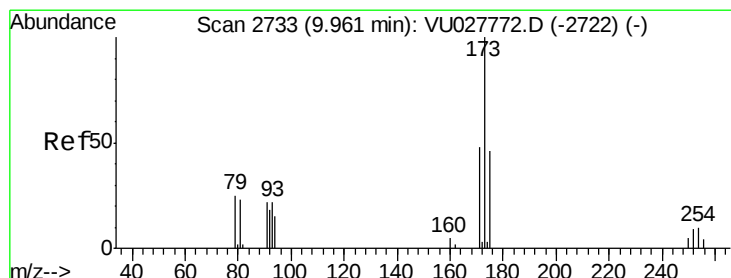
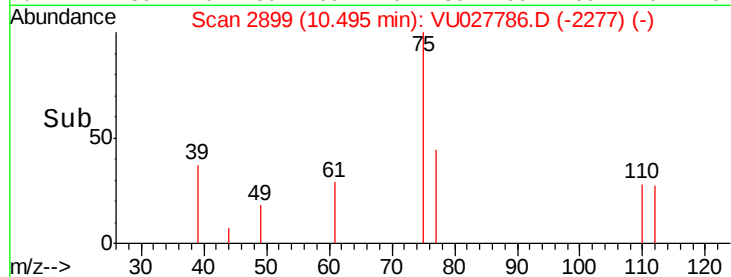
600

400

200

0

Time--> 10.45 10.50



#61

Bromoform

Concen: 0.316 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

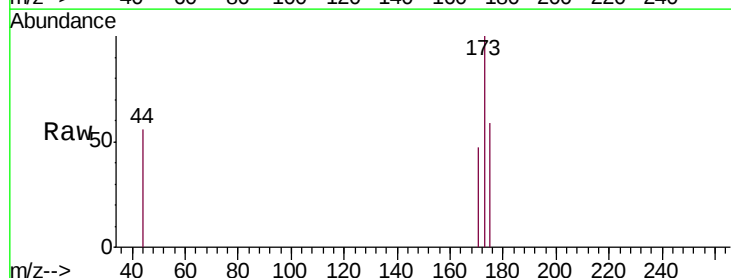
Tgt Ion: 173 Resp: 506

Ion Ratio Lower Upper

173 100

175 44.7 37.7 56.5

254 0.0 7.2 10.8#



Abundance Ion 172.90 (172.60 to 173.60): VU027772.D (-2722) (-)

Ion 174.90 (174.60 to 175.60): VU027772.D (-2722) (-)

Ion 253.75 (253.45 to 254.45): VU027772.D (-2722) (-)

9.96

400

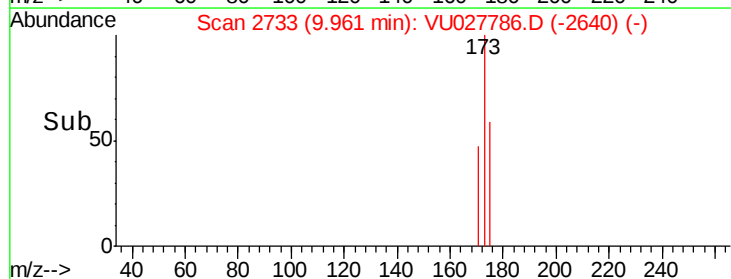
300

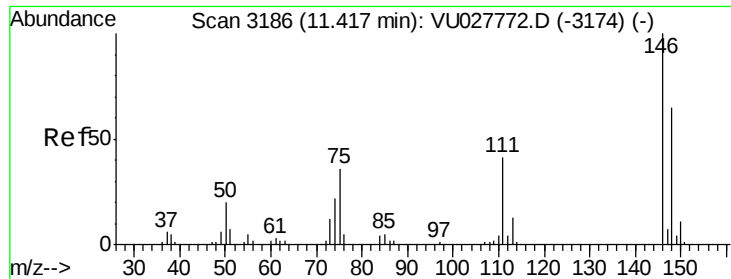
200

100

0

Time--> 9.95





#62

1,3-Dichlorobenzene

Concen: 0.396 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

Instrument :

MSVOA_U

ClientSampleId :

MDL03

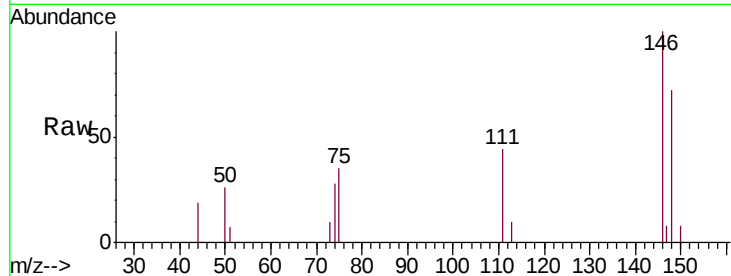
Tgt Ion:146 Resp: 2653

Ion Ratio Lower Upper

146 100

111 44.2 28.6 53.0

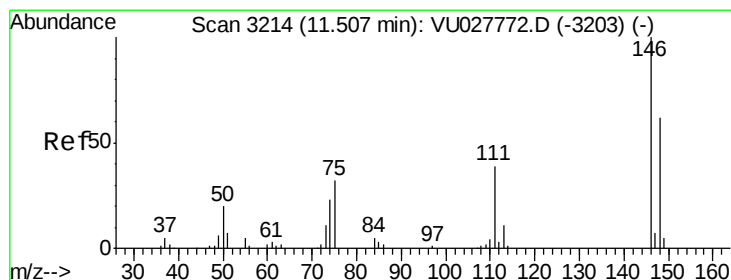
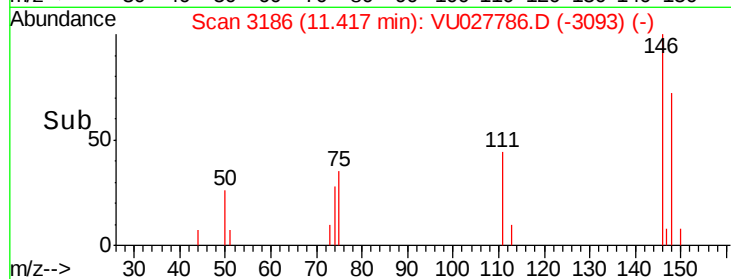
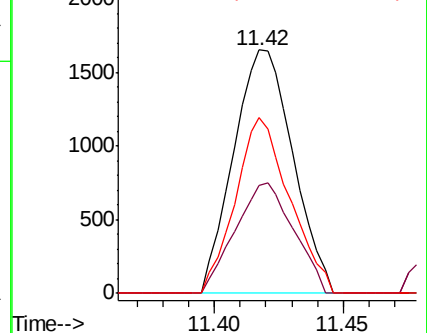
148 72.4 45.1 83.9



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: 0.395 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

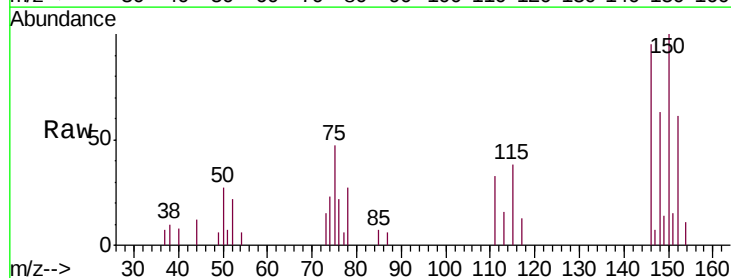
Tgt Ion:146 Resp: 2677

Ion Ratio Lower Upper

146 100

111 34.3 27.6 51.4

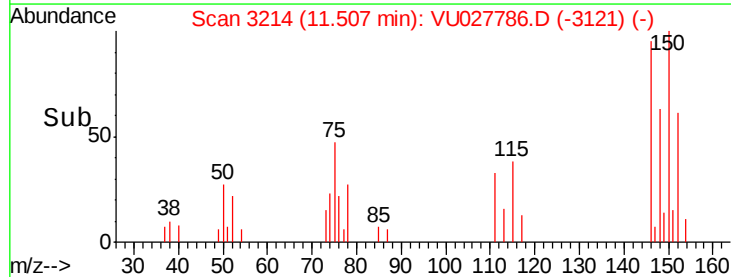
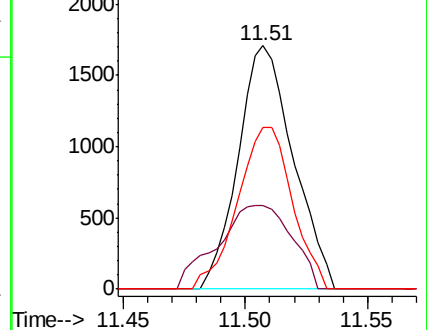
148 66.5 43.3 80.3

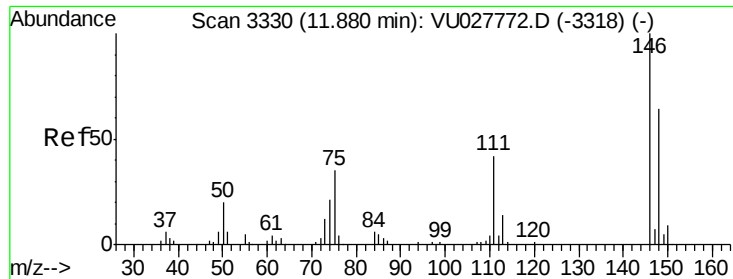


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.399 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

Instrument :

MSVOA_U

ClientSampleId :

MDL03

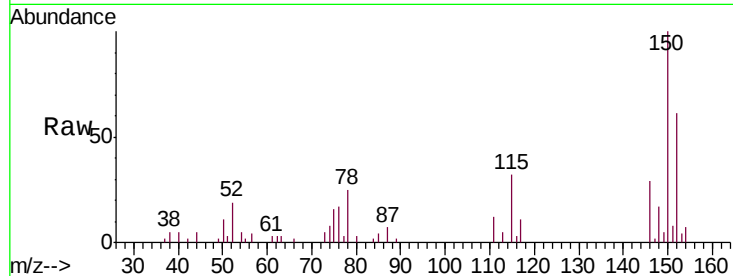
Tgt Ion:146 Resp: 2516

Ion Ratio Lower Upper

146 100

111 40.8 33.7 50.5

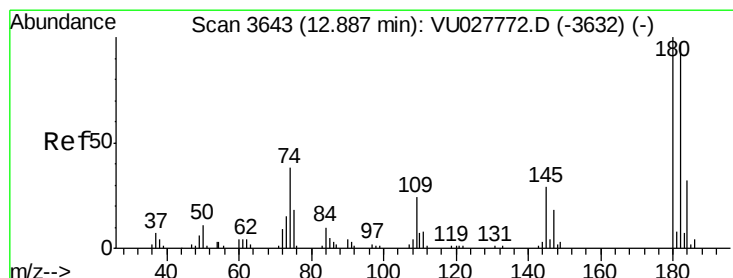
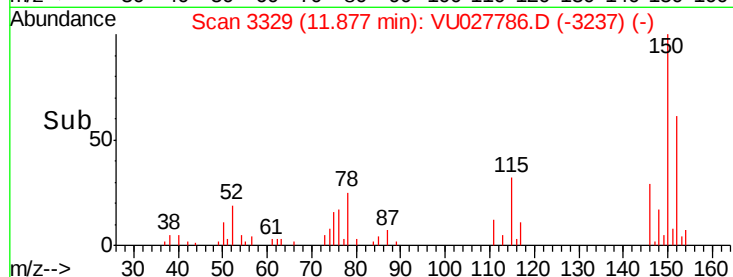
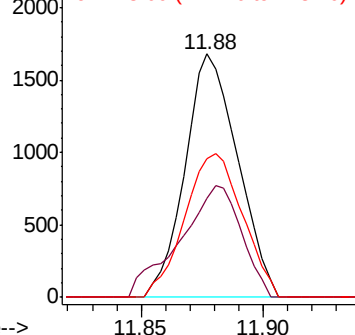
148 57.0 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 0.310 ug/L

RT: 13.51 min Scan# 3836

Delta R.T. 0.62 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

Tgt Ion:180 Resp: 1667

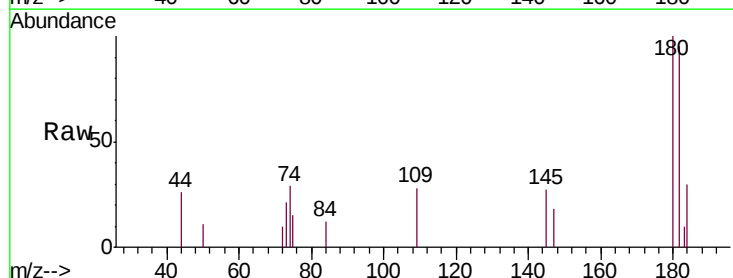
Ion Ratio Lower Upper

180 100

182 91.1 78.9 118.3

184 30.8 24.6 37.0

145 28.5 23.4 35.0

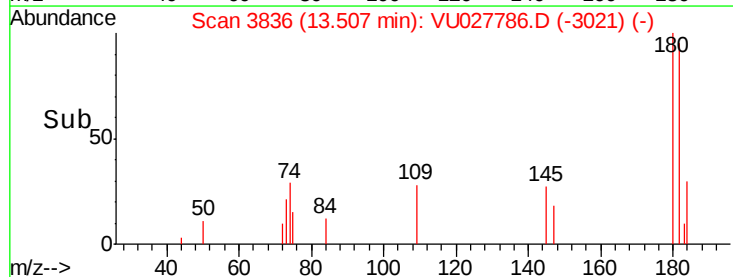
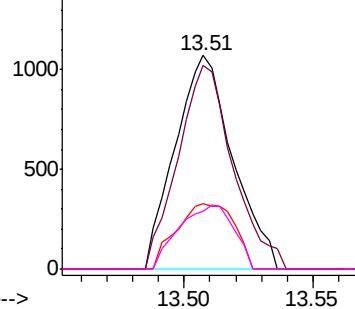


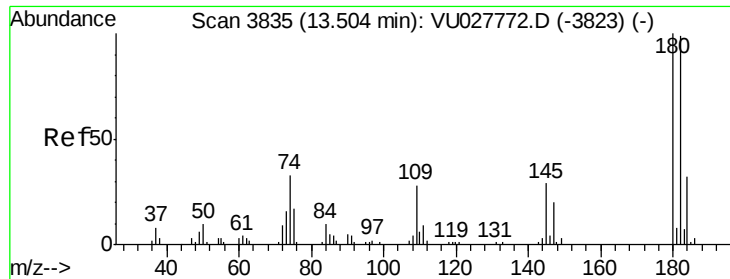
Abundance Ion 180.00 (179.70 to 180.70): V

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

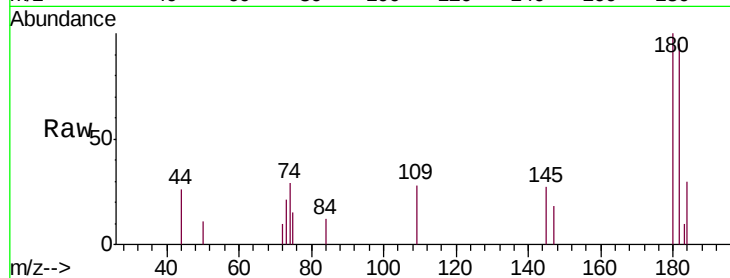




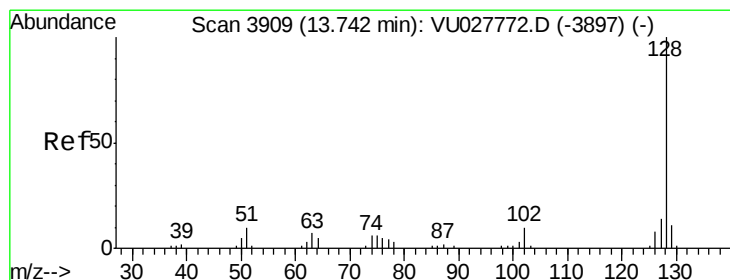
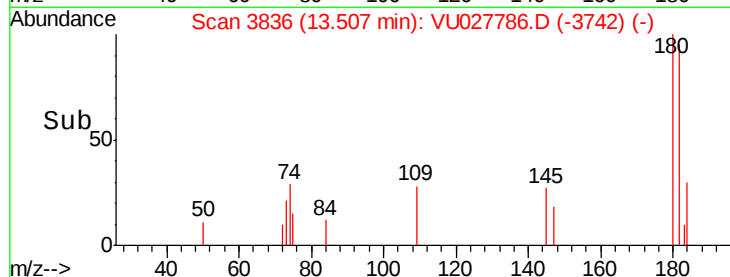
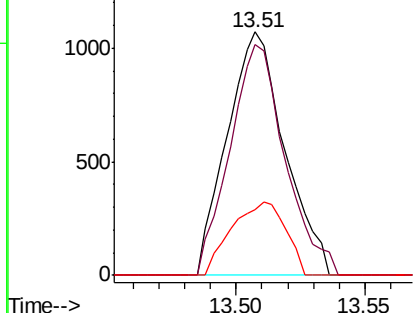
#68
 1,2,4-trichlorobenzene
 Concen: 0.357 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027786.D
 Acq: 24 Oct 2018 15:24

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tgt Ion:180 Resp: 1667
 Ion Ratio Lower Upper
 180 100
 182 91.1 77.6 116.4
 145 28.5 23.7 35.5

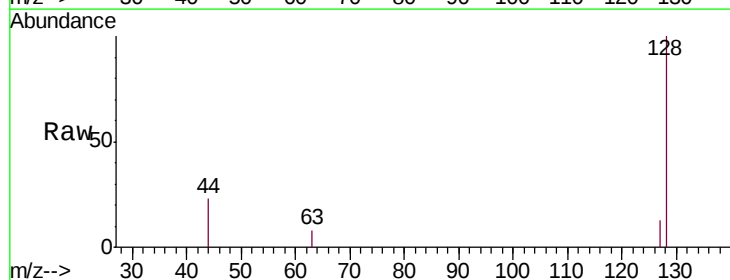


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

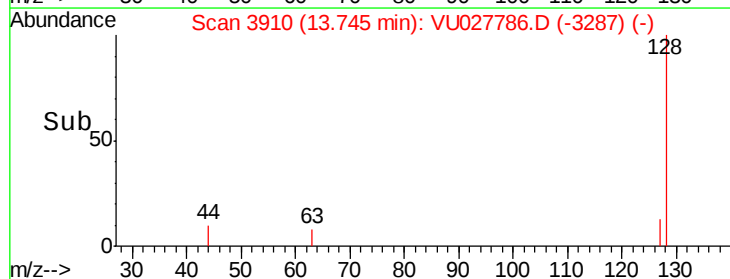
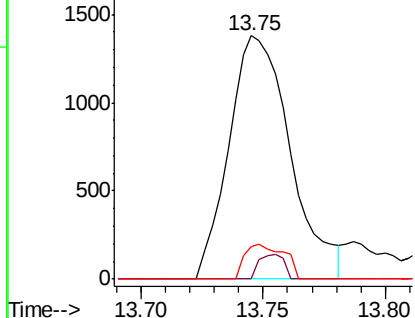


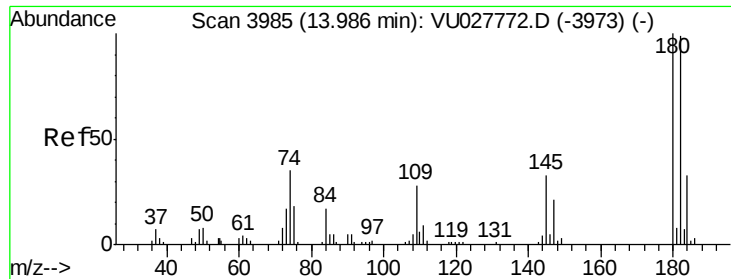
#69
 Naphthalene
 Concen: 0.318 ug/L
 RT: 13.75 min Scan# 3910
 Delta R.T. 0.00 min
 Lab File: VU027786.D
 Acq: 24 Oct 2018 15:24

Tgt Ion:128 Resp: 2415
 Ion Ratio Lower Upper
 128 100
 129 4.1 8.8 13.2#
 127 9.1 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: 0.360 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU027786.D

Acq: 24 Oct 2018 15:24

Instrument :

MSVOA_U

ClientSampleId :

MDL03

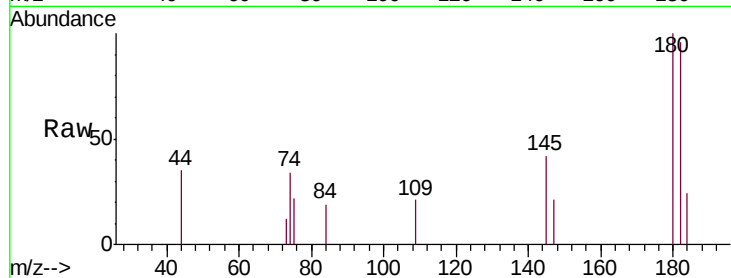
Tgt Ion:180 Resp: 1550

Ion Ratio Lower Upper

180 100

182 95.5 76.9 115.3

145 29.7 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

