

Data File : VU027790.D
Acq On : 24 Oct 2018 17:00
Operator : MD/SY
Sample : MDL07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Quant Time: Oct 25 04:43:56 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	39409	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	36902	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	18445	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	14770	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.68	69	11092	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.28	63	21879	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	4.21	46	48401	49.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.10%
24) Chloroform-d	4.65	84	26472	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.31	65	16374	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.34	84	50381	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.33	67	17915	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.57	98	46742	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	7.85	79	6994	4.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.60%
46) 2-Hexanone-d5	8.31	63	39757	50.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.72%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	13238	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	17190	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	1320	0.345 ug/L	94
3) Chloromethane	1.33	50	1601	0.373 ug/L	93
5) Vinyl chloride	1.40	62	1495	0.362 ug/L #	75
6) Bromomethane	1.63	94	631	0.298 ug/L	77
8) Chloroethane	1.70	64	896	0.401 ug/L	99
9) Trichlorofluoromethane	1.89	101	1937	0.355 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	1128	0.409 ug/L #	91
12) 1,1-Dichloroethene	2.29	96	922	0.359 ug/L #	1
13) Acetone	2.34	43	3240	4.601 ug/L	92
14) Carbon disulfide	2.48	76	3103	0.352 ug/L #	95
15) Methyl Acetate	2.62	43	924	0.469 ug/L #	57
16) Methylene chloride	2.70	84	1493	0.493 ug/L	98
17) Methyl tert-butyl Ether	3.01	73	2901	0.353 ug/L #	82
18) trans-1,2-Dichloroethene	2.98	96	995	0.361 ug/L	87
19) 1,1-Dichloroethane	3.45	63	2200	0.361 ug/L	99
21) 2-Butanone	4.30	43	4463	3.863 ug/L	88
22) cis-1,2-Dichloroethene	4.23	96	1206	0.369 ug/L	86

Data File : VU027790.D
Acq On : 24 Oct 2018 17:00
Operator : MD/SY
Sample : MDL07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Quant Time: Oct 25 04:43:56 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

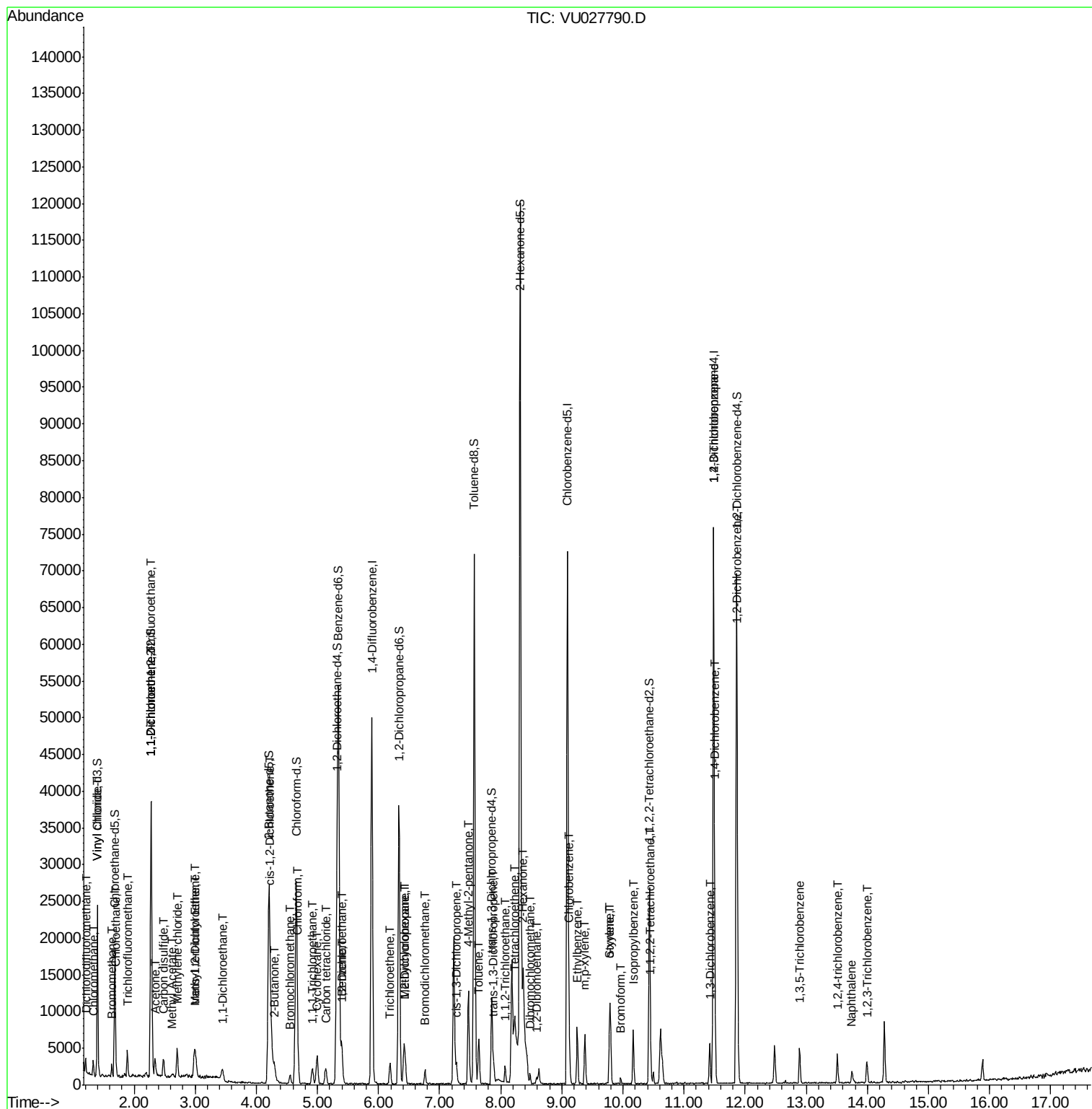
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	186	0.140	ug/L	82
25) Chloroform	4.68	83	2540	0.414	ug/L	89
27) 1,2-Dichloroethane	5.41	62	1708	0.377	ug/L #	79
29) 1,1,1-Trichloroethane	4.92	97	1964	0.370	ug/L	94
30) Cyclohexane	5.00	56	2021	0.340	ug/L	93
31) Carbon tetrachloride	5.14	117	1699	0.373	ug/L	89
33) Benzene	5.39	78	4633	0.378	ug/L	100
34) Trichloroethene	6.19	95	1066	0.336	ug/L	97
35) Methylcyclohexane	6.42	83	1969	0.371	ug/L	98
37) 1,2-Dichloropropane	6.43	63	1317	0.366	ug/L #	90
38) Bromodichloromethane	6.76	83	1458	0.339	ug/L #	95
39) cis-1,3-Dichloropropene	7.28	75	2057	0.399	ug/L	94
40) 4-Methyl-2-pentanone	7.47	43	9660	3.589	ug/L	98
42) Toluene	7.64	91	4797	0.363	ug/L	90
44) trans-1,3-Dichloropropene	7.89	75	1740	0.401	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	678	0.312	ug/L	90
47) Tetrachloroethene	8.22	164	957	0.371	ug/L	89
48) 2-Hexanone	8.37	43	7754	4.054	ug/L #	95
49) Dibromochloromethane	8.49	129	897	0.324	ug/L	86
50) 1,2-Dibromoethane	8.59	107	823	0.390	ug/L #	96
51) Chlorobenzene	9.12	112	2838	0.349	ug/L #	94
52) Ethylbenzene	9.25	91	5374	0.351	ug/L	99
53) m,p-xylene	9.38	106	1918	0.354	ug/L	98
54) o-xylene	9.78	106	1860	0.351	ug/L	91
55) Styrene	9.79	104	3328	0.371	ug/L	96
56) Isopropylbenzene	10.17	105	5270	0.359	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	1143	0.400	ug/L #	87
59) 1,2,3-Trichloropropane	11.48	75	3279	1.446	ug/L	97
61) Bromoform	9.96	173	381	0.246	ug/L #	89
62) 1,3-Dichlorobenzene	11.42	146	2472	0.381	ug/L	92
63) 1,4-Dichlorobenzene	11.51	146	2462	0.376	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	2501	0.410	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	1764	0.339	ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	1495	0.331	ug/L	97
69) Naphthalene	13.75	128	2227	0.303	ug/L #	85
70) 1,2,3-Trichlorobenzene	13.99	180	1172	0.281	ug/L	92

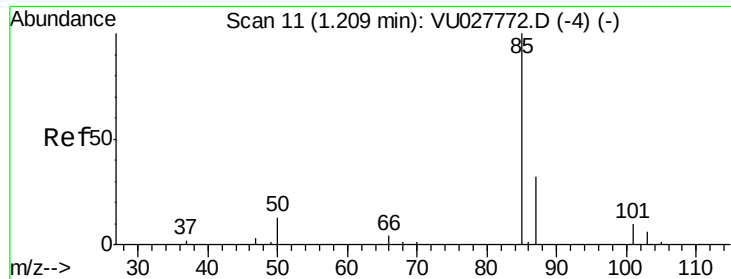
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU027790.D
Acq On : 24 Oct 2018 17:00
Operator : MD/SY
Sample : MDL07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Quant Time: Oct 25 04:43:56 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





#2

Dichlorodifluoromethane

Concen: 0.345 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027790.D

Acq: 24 Oct 2018 17:00

Instrument :

MSVOA_U

ClientSampled :

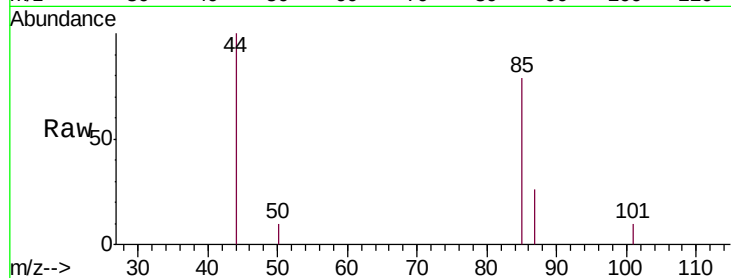
MDL07

Tgt Ion: 85 Resp: 1320

Ion Ratio Lower Upper

85 100

87 28.2 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1500

1.21

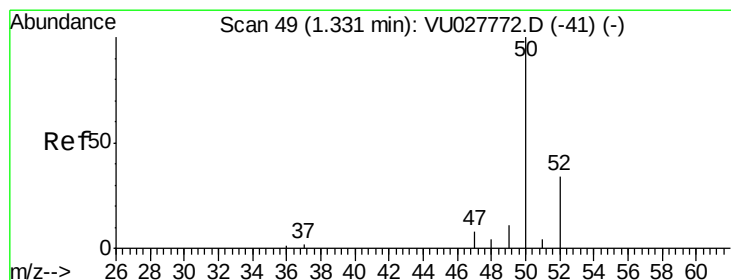
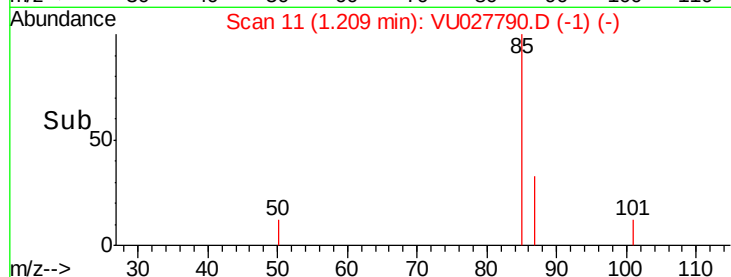
1000

500

0

1.18 1.20 1.22 1.24

Time-->



#3

Chloromethane

Concen: 0.373 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027790.D

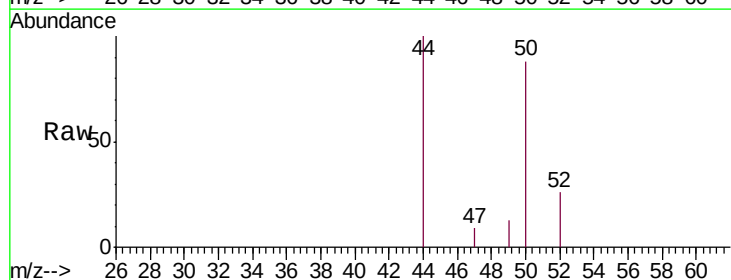
Acq: 24 Oct 2018 17:00

Tgt Ion: 50 Resp: 1601

Ion Ratio Lower Upper

50 100

52 29.6 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1500

1.33

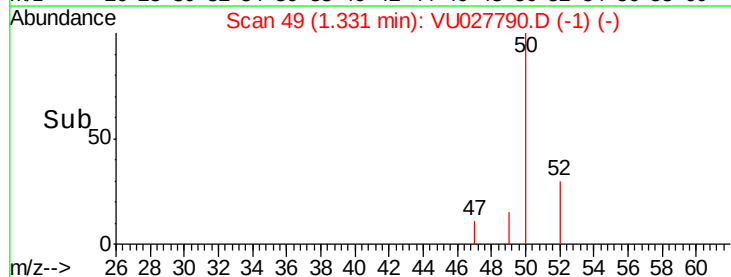
1000

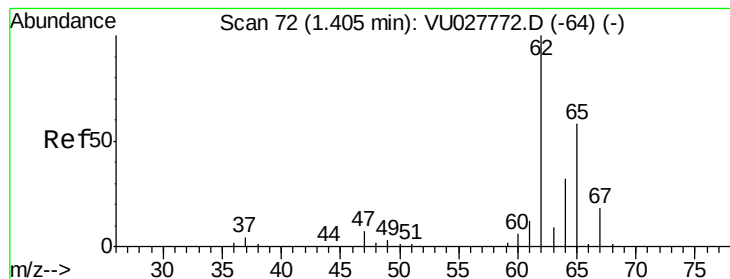
500

0

1.30 1.32 1.34 1.36

Time-->





#5

Vinyl chloride

Concen: 0.362 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027790.D

Acq: 24 Oct 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

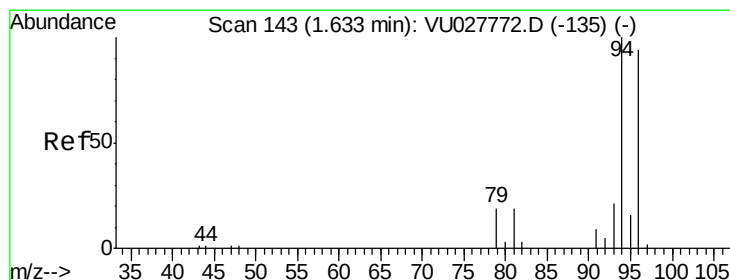
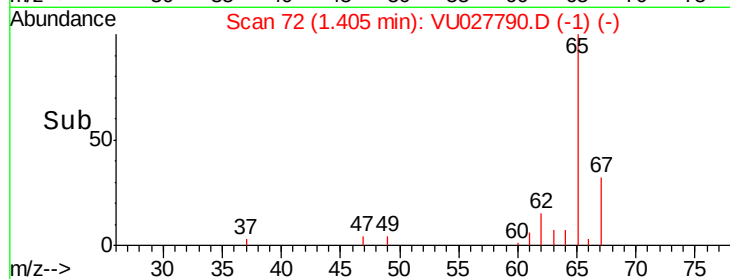
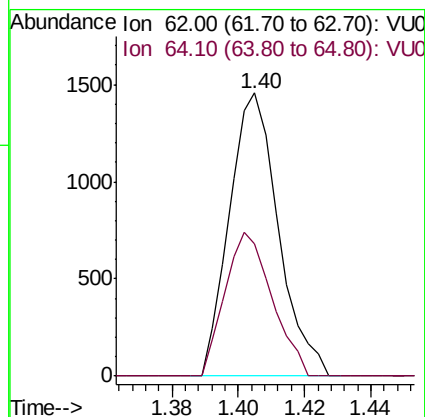
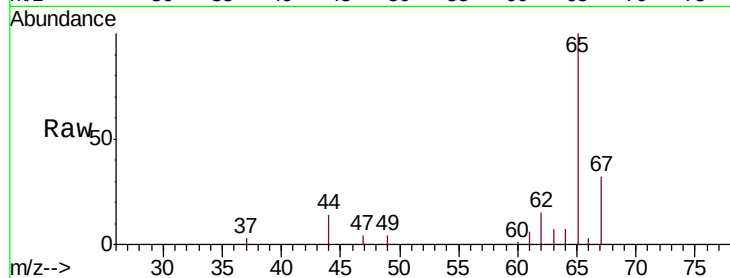
MDL07

Tgt Ion: 62 Resp: 1495

Ion Ratio Lower Upper

62 100

64 46.5 22.7 42.1#



#6

Bromomethane

Concen: 0.298 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027790.D

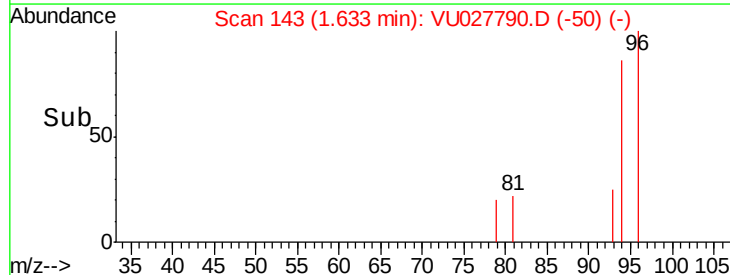
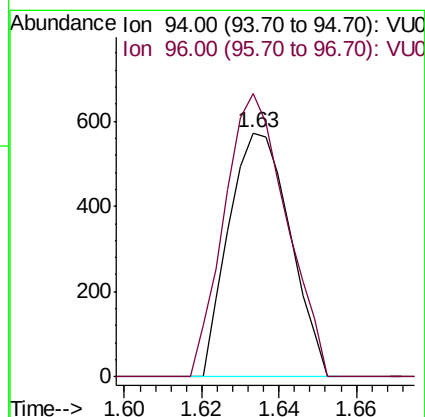
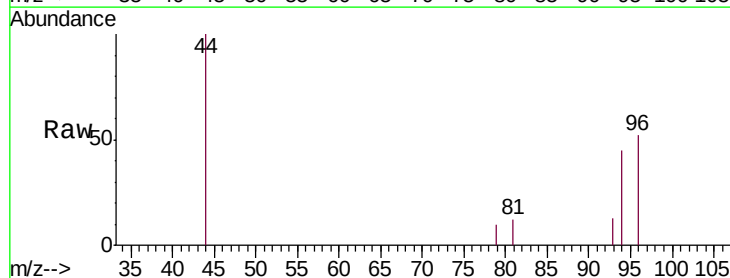
Acq: 24 Oct 2018 17:00

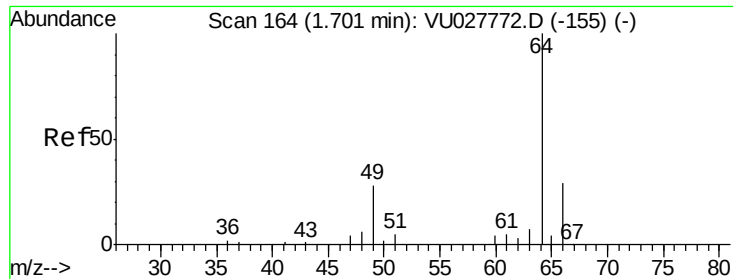
Tgt Ion: 94 Resp: 631

Ion Ratio Lower Upper

94 100

96 116.1 65.5 121.7

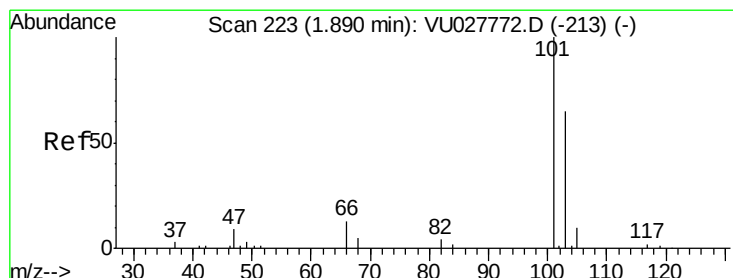
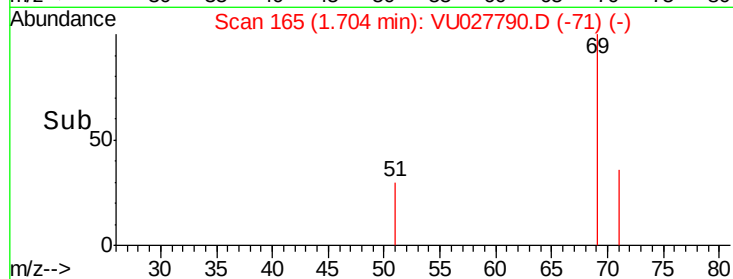
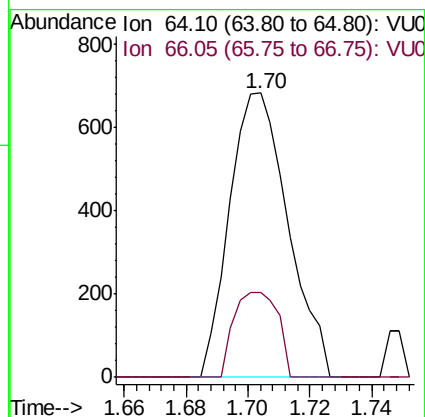
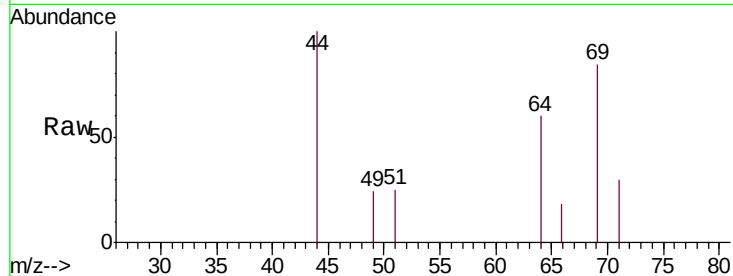




#8
Chloroethane
Concen: 0.401 ug/L
RT: 1.70 min Scan# 165
Delta R.T. 0.00 min
Lab File: VU027790.D
Acq: 24 Oct 2018 17:00

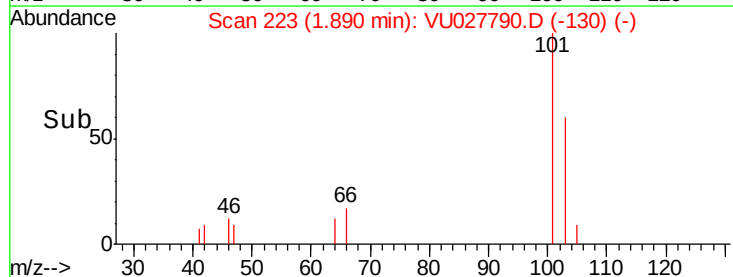
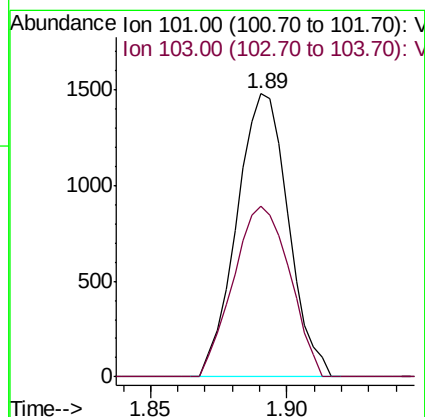
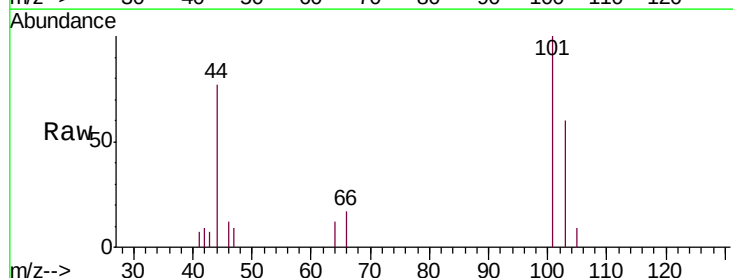
Instrument :
MSVOA_U
ClientSampleId :
MDL07

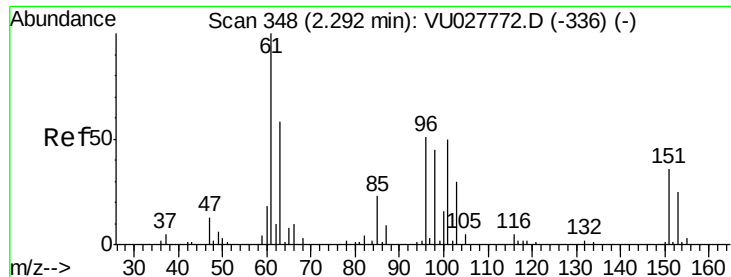
Tgt Ion: 64 Resp: 896
Ion Ratio Lower Upper
64 100
66 29.5 20.3 37.7



#9
Trichlorofluoromethane
Concen: 0.355 ug/L
RT: 1.89 min Scan# 223
Delta R.T. 0.00 min
Lab File: VU027790.D
Acq: 24 Oct 2018 17:00

Tgt Ion: 101 Resp: 1937
Ion Ratio Lower Upper
101 100
103 65.9 51.0 76.4





#10

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

Concen: 0.409 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027790.D

Acq: 24 Oct 2018 17:00

Instrument :

MSVOA_U

ClientSampled :

MDL07

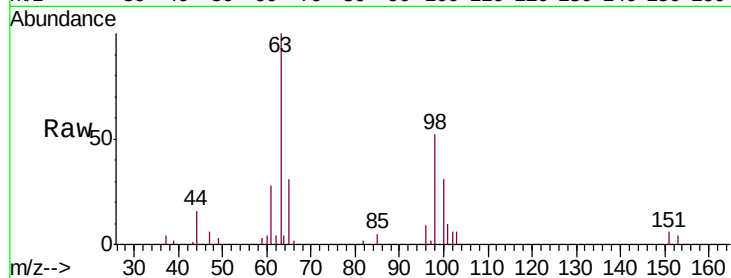
Tgt Ion: 101 Resp: 1128

Ion Ratio Lower Upper

101 100

85 34.4 38.1 57.1#

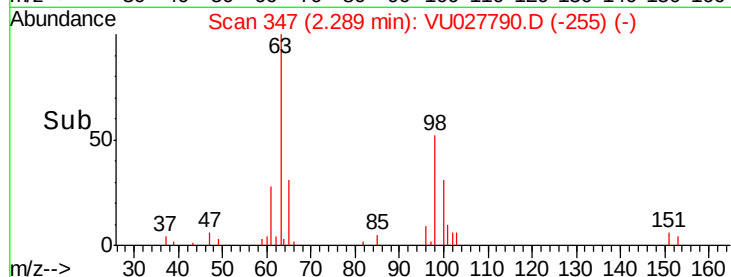
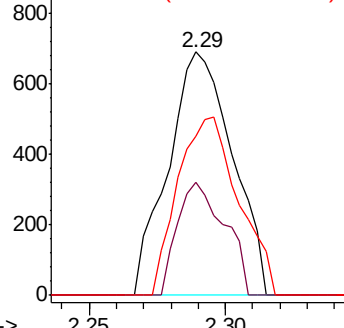
151 69.1 57.0 85.4



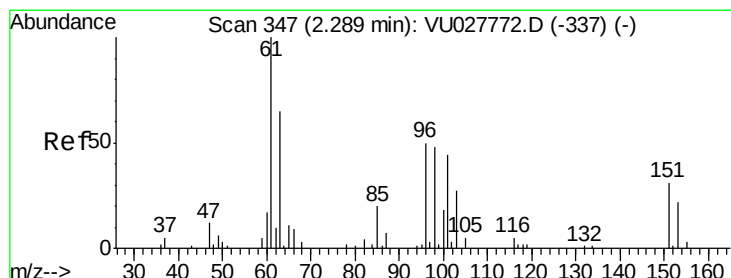
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



Time-->



#12

1,1-Dichloroethene

Concen: 0.359 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027790.D

Acq: 24 Oct 2018 17:00

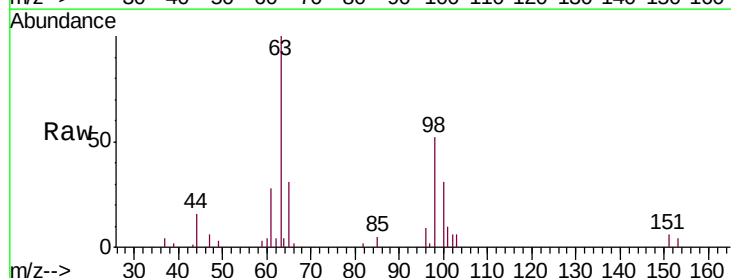
Tgt Ion: 96 Resp: 922

Ion Ratio Lower Upper

96 100

61 322.5 143.8 267.0#

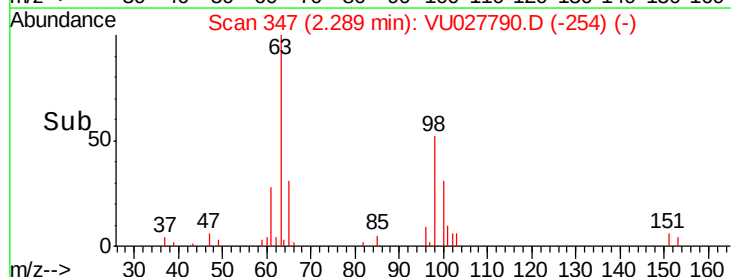
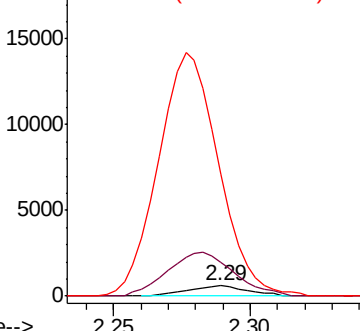
63 1151.1 105.1 195.3#



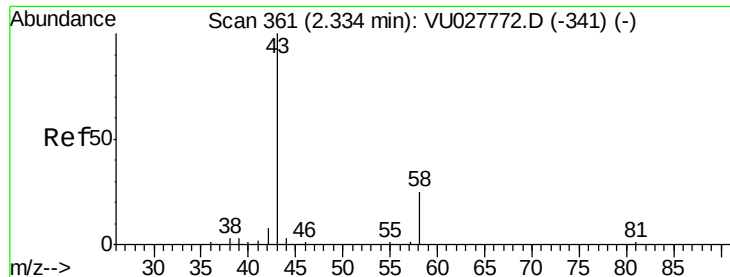
Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



Time-->



#13

Acetone

Concen: 4.601 ug/L

RT: 2.34 min Scan# 363

Delta R.T. 0.01 min

Lab File: VU027790.D

Acq: 24 Oct 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

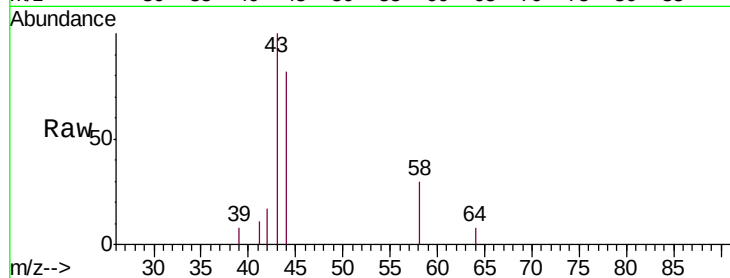
MDL07

Tgt Ion: 43 Resp: 3240

Ion Ratio Lower Upper

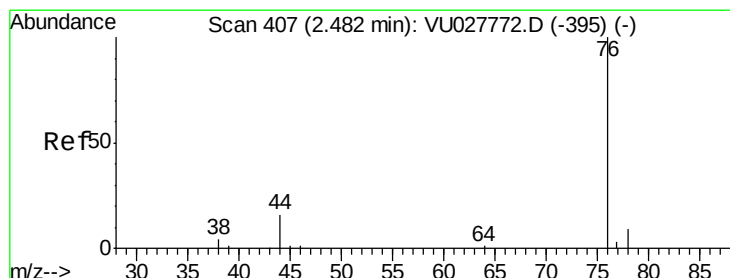
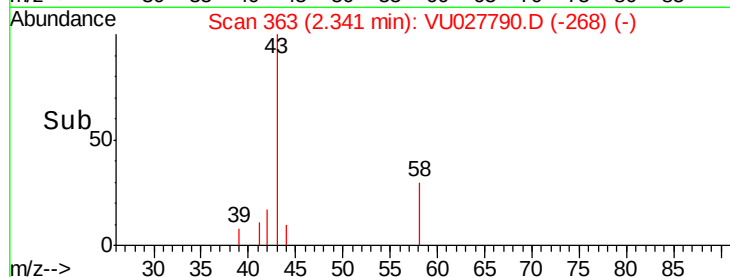
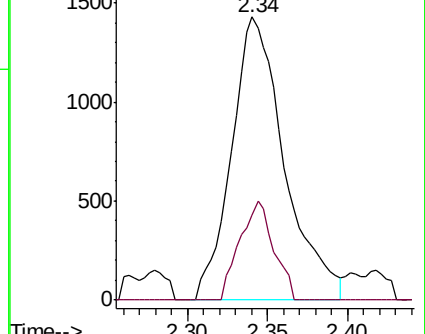
43 100

58 22.2 0.0 52.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 0.352 ug/L

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027790.D

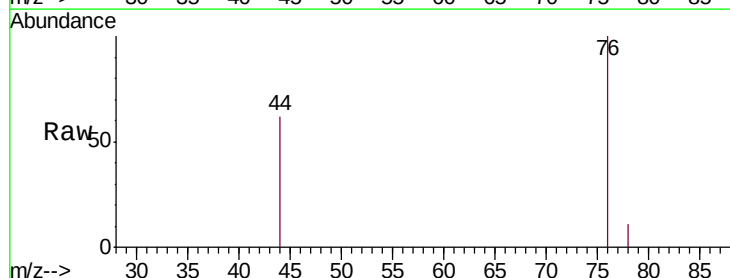
Acq: 24 Oct 2018 17:00

Tgt Ion: 76 Resp: 3103

Ion Ratio Lower Upper

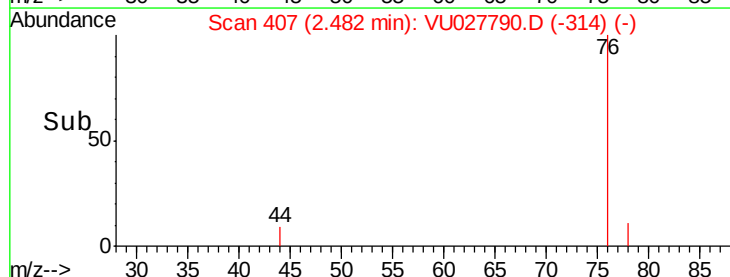
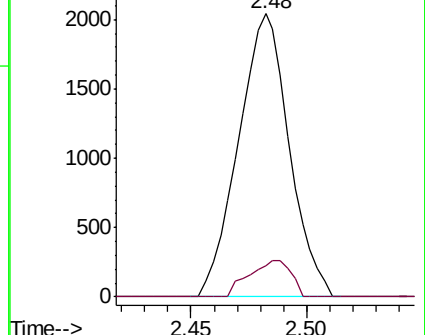
76 100

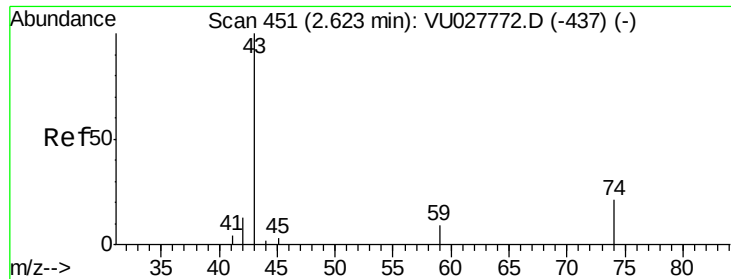
78 11.1 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 0.469 ug/L

RT: 2.62 min Scan# 451

Delta R.T. 0.00 min

Lab File: VU027790.D

Acq: 24 Oct 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

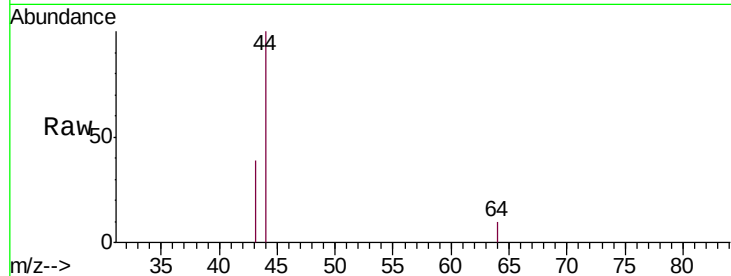
MDL07

Tgt Ion: 43 Resp: 924

Ion Ratio Lower Upper

43 100

74 0.0 15.8 23.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.62

400

300

200

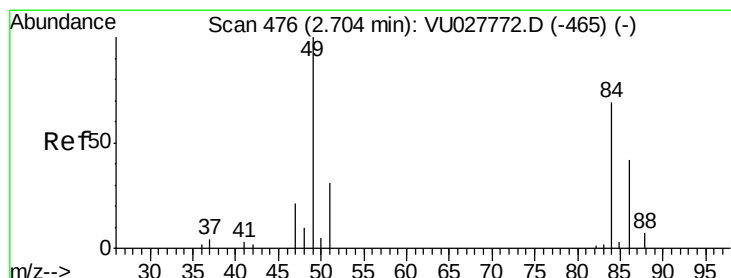
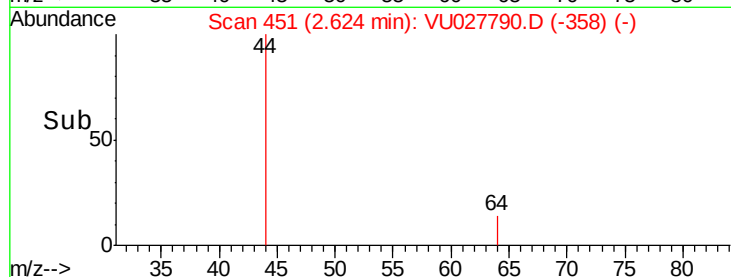
100

0

2.60

2.65

Time-->



#16

Methylene chloride

Concen: 0.493 ug/L

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU027790.D

Acq: 24 Oct 2018 17:00

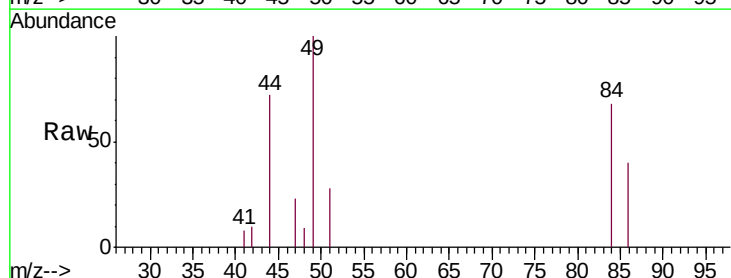
Tgt Ion: 84 Resp: 1493

Ion Ratio Lower Upper

84 100

86 59.5 42.8 79.4

49 147.4 101.4 188.4



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

1500

1000

500

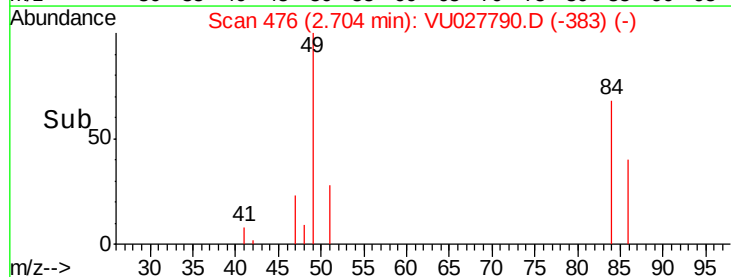
0

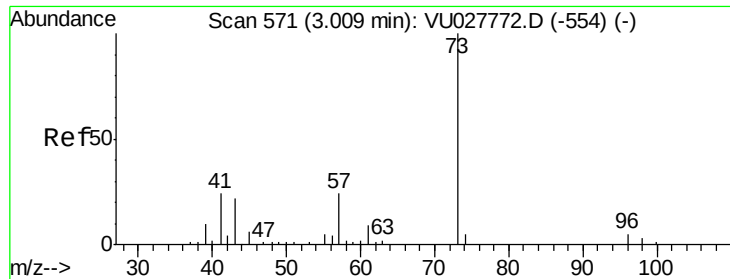
2.65

2.70

2.75

Time-->

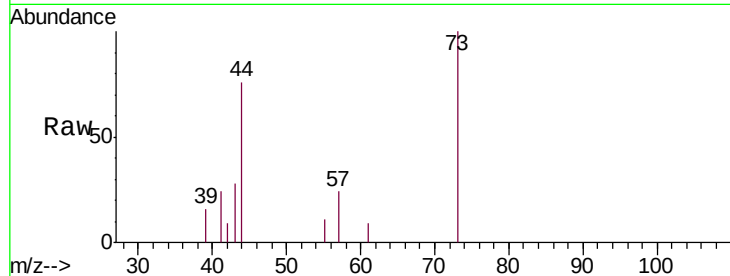




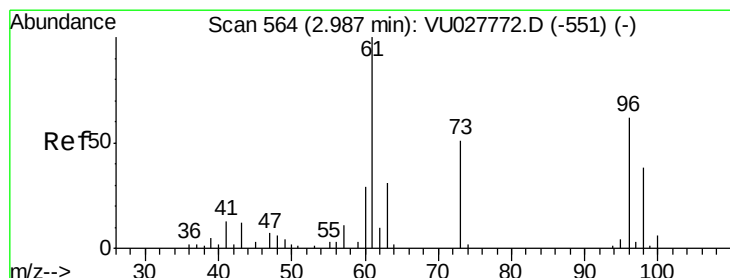
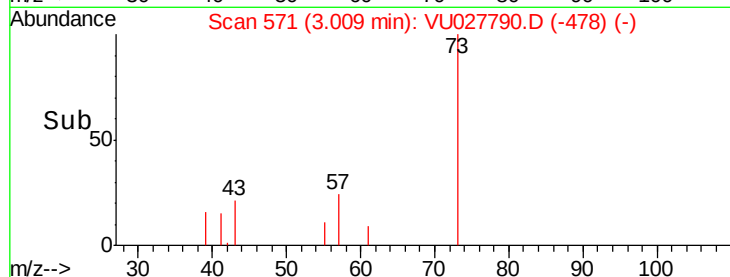
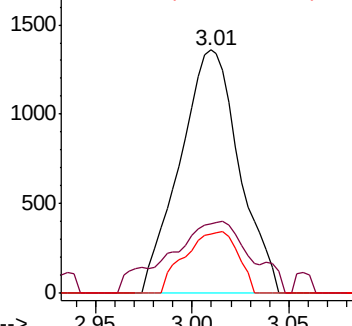
#17
Methyl tert-butyl Ether
Concen: 0.353 ug/L
RT: 3.01 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU027790.D
Acq: 24 Oct 2018 17:00

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tgt Ion: 73 Resp: 2901
Ion Ratio Lower Upper
73 100
43 40.7 18.6 28.0#
57 22.6 18.2 27.2

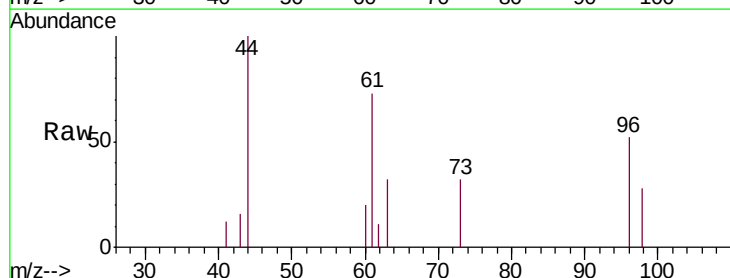


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

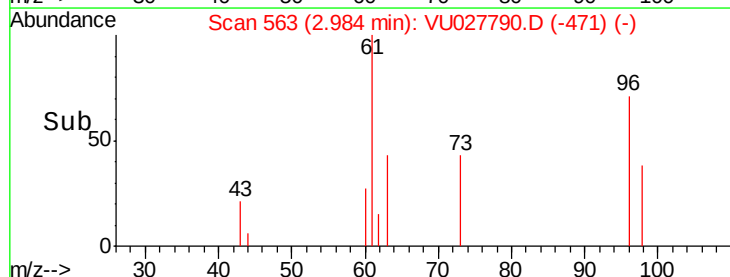
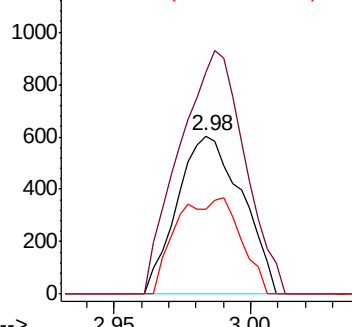


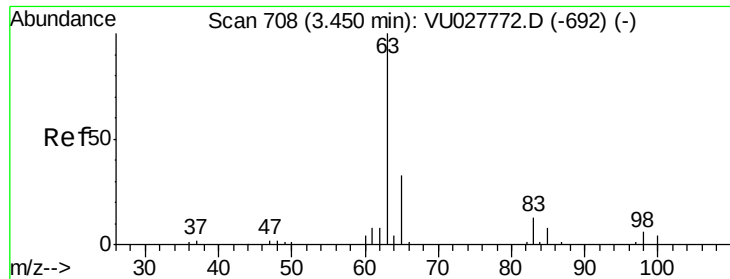
#18
trans-1,2-Dichloroethene
Concen: 0.361 ug/L
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU027790.D
Acq: 24 Oct 2018 17:00

Tgt Ion: 96 Resp: 995
Ion Ratio Lower Upper
96 100
61 140.6 112.1 208.3
98 53.5 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

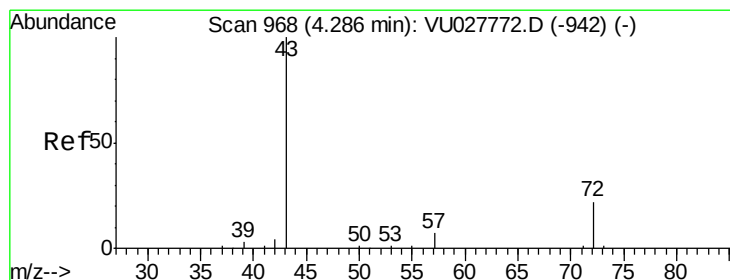
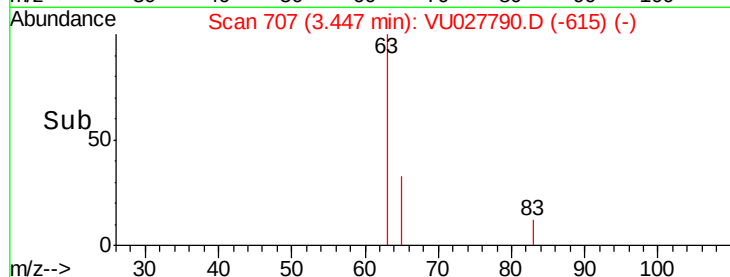
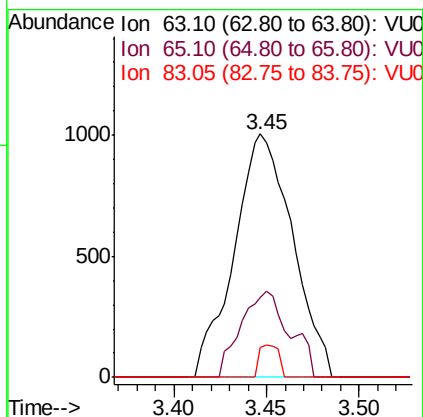
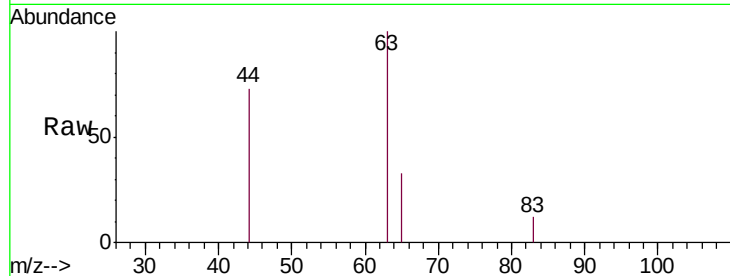




#19
 1,1-Dichloroethane
 Concen: 0.361 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027790.D
 Acq: 24 Oct 2018 17:00

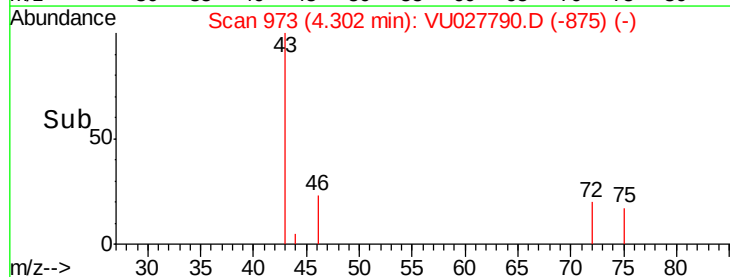
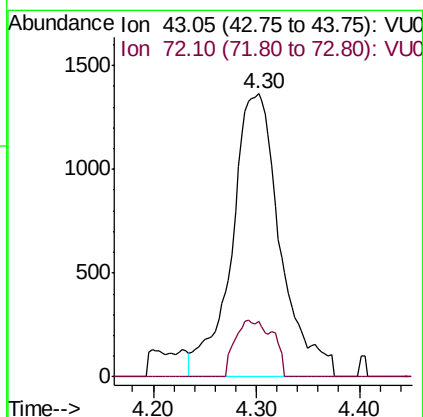
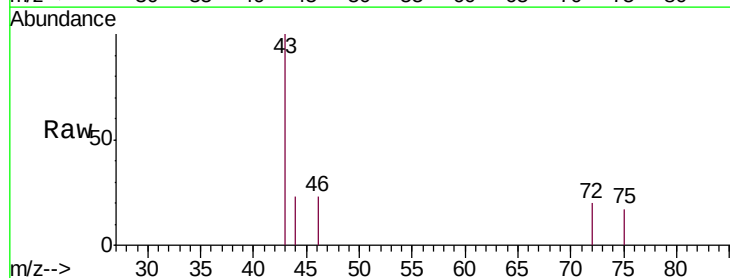
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

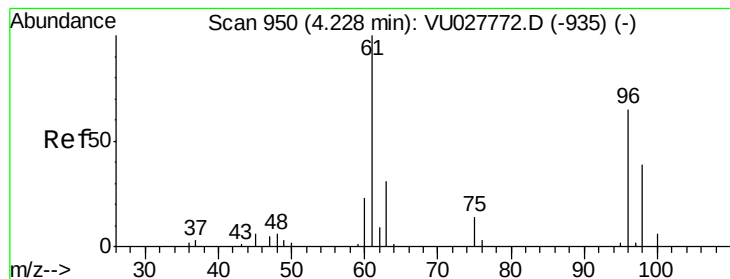
Tgt Ion: 63 Resp: 2200
 Ion Ratio Lower Upper
 63 100
 65 32.7 23.1 42.9
 83 12.0 9.2 17.0



#21
 2-Butanone
 Concen: 3.863 ug/L
 RT: 4.30 min Scan# 973
 Delta R.T. 0.02 min
 Lab File: VU027790.D
 Acq: 24 Oct 2018 17:00

Tgt Ion: 43 Resp: 4463
 Ion Ratio Lower Upper
 43 100
 72 15.5 10.5 31.6



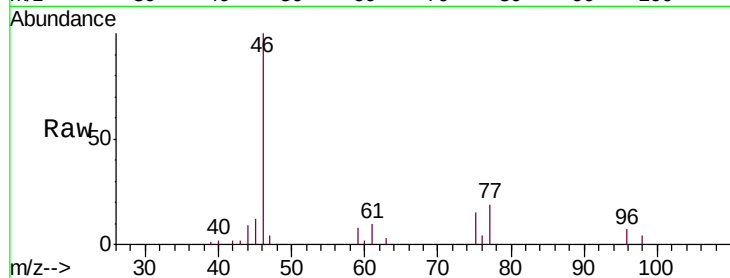


#22

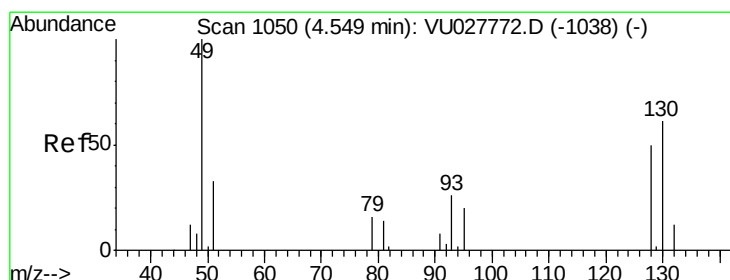
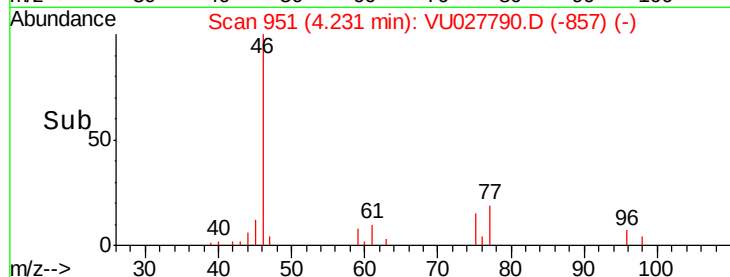
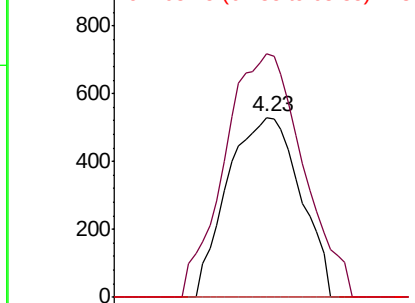
cis-1,2-Dichloroethene
Concen: 0.369 ug/L
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU027790.D
Acq: 24 Oct 2018 17:00

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tgt Ion: 96 Resp: 1206
Ion Ratio Lower Upper
96 100
61 135.5 107.2 199.0
68 0.0 0.0 0.0



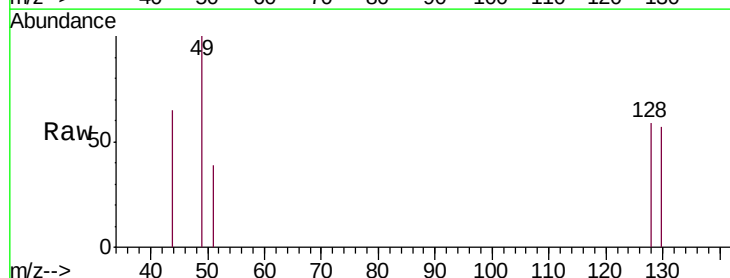
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



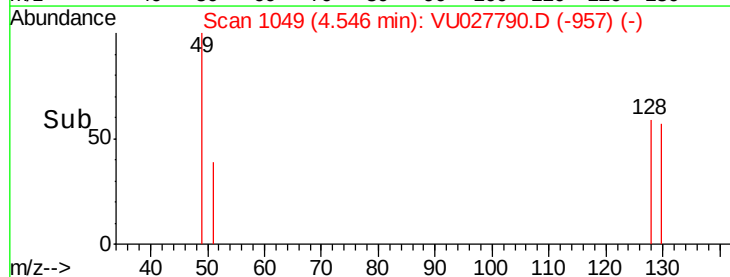
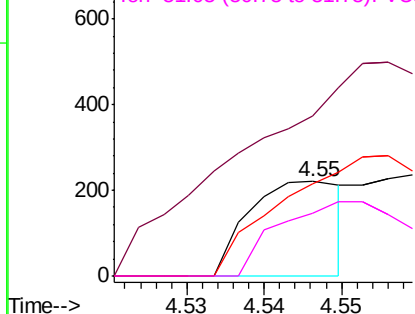
#23

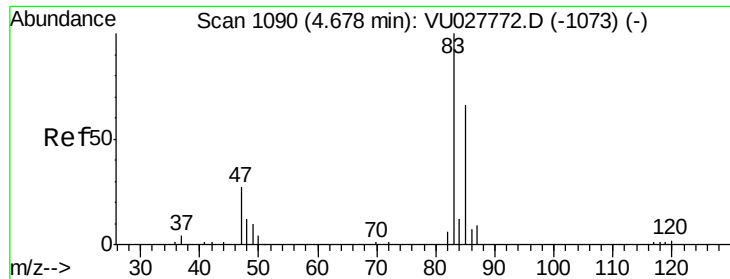
Bromochloromethane
Concen: 0.140 ug/L
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU027790.D
Acq: 24 Oct 2018 17:00

Tgt Ion: 128 Resp: 186
Ion Ratio Lower Upper
128 100
49 170.5 142.8 265.2
130 97.7 86.0 159.8
51 66.4 52.6 79.0



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

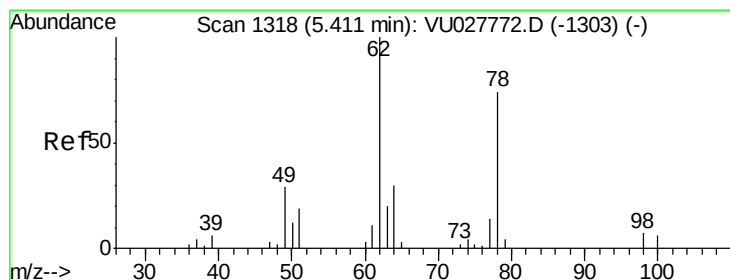
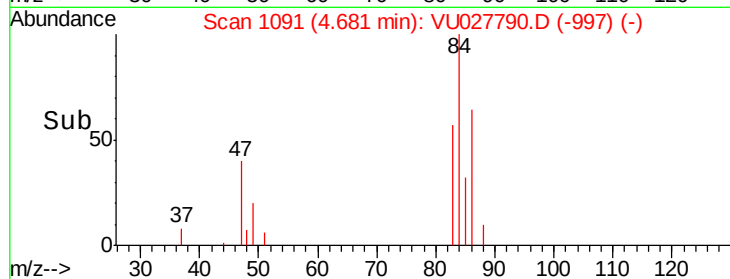
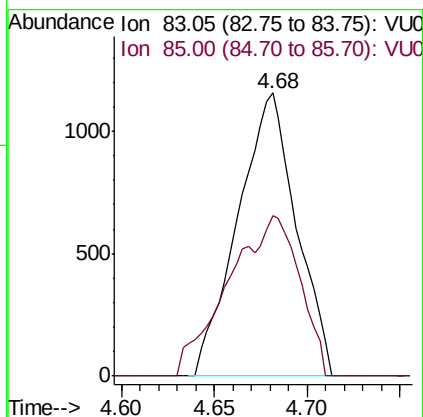
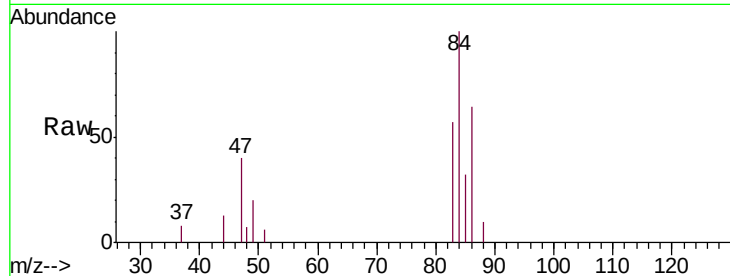




#25
Chloroform
Concen: 0.414 ug/L
RT: 4.68 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VU027790.D
Acq: 24 Oct 2018 17:00

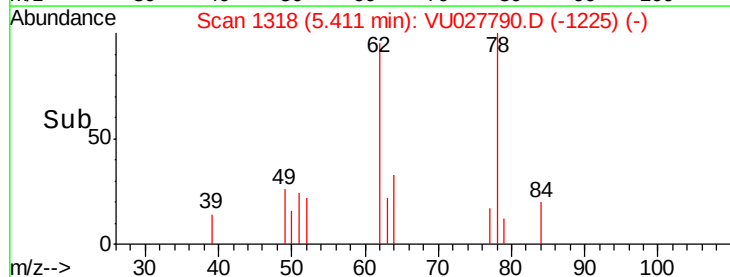
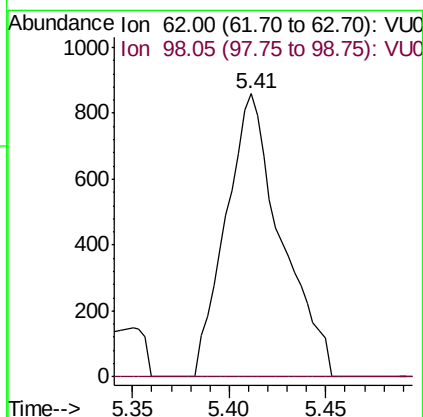
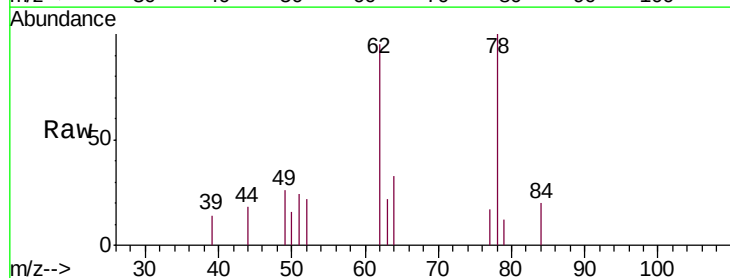
Instrument :
MSVOA_U
ClientSampled :
MDL07

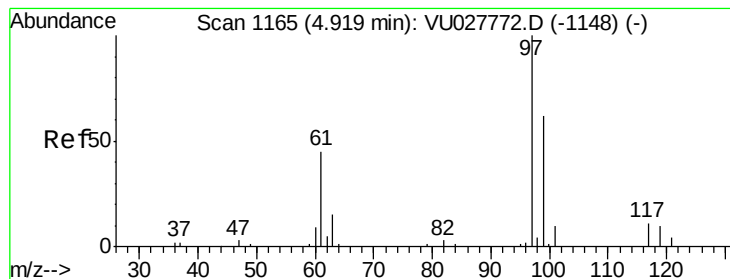
Tgt Ion: 83 Resp: 2540
Ion Ratio Lower Upper
83 100
85 56.6 45.8 85.2



#27
1,2-Dichloroethane
Concen: 0.377 ug/L
RT: 5.41 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VU027790.D
Acq: 24 Oct 2018 17:00

Tgt Ion: 62 Resp: 1708
Ion Ratio Lower Upper
62 100
98 0.0 5.7 8.5#





#29

1,1,1-Trichloroethane

Concen: 0.370 ug/L

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU027790.D

Acq: 24 Oct 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

MDL07

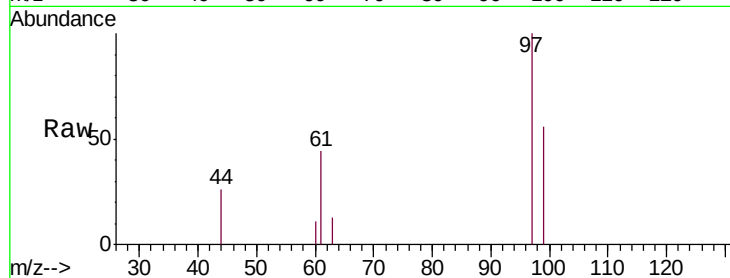
Tgt Ion: 97 Resp: 1964

Ion Ratio Lower Upper

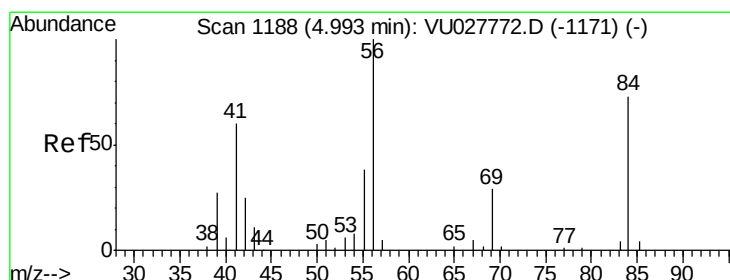
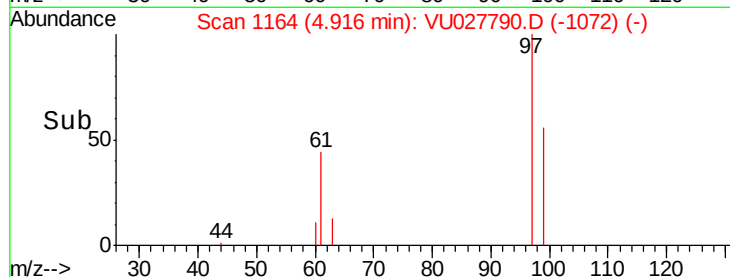
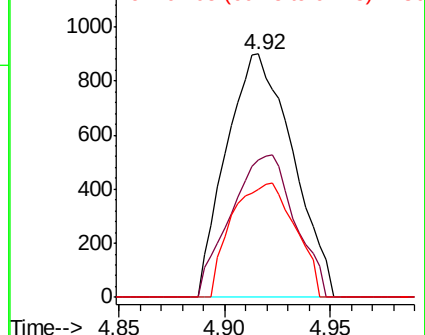
97 100

99 56.5 51.3 76.9

61 44.7 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: 0.340 ug/L

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU027790.D

Acq: 24 Oct 2018 17:00

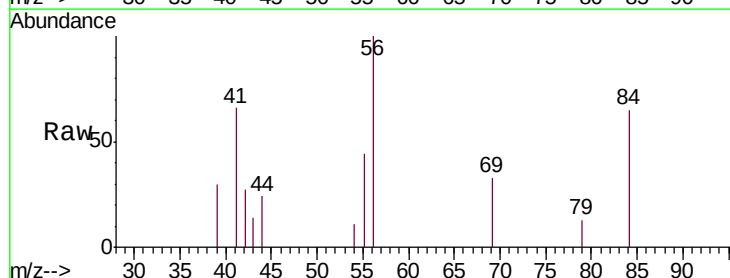
Tgt Ion: 56 Resp: 2021

Ion Ratio Lower Upper

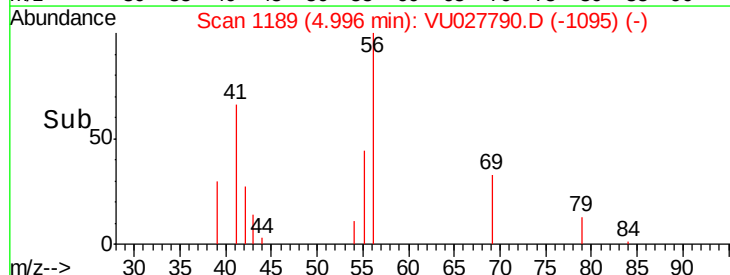
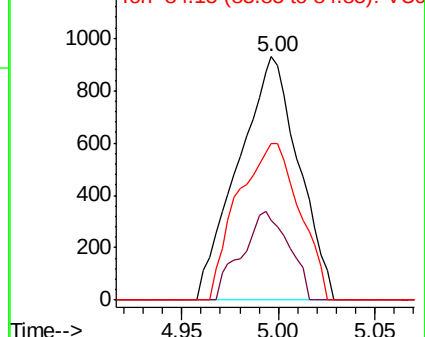
56 100

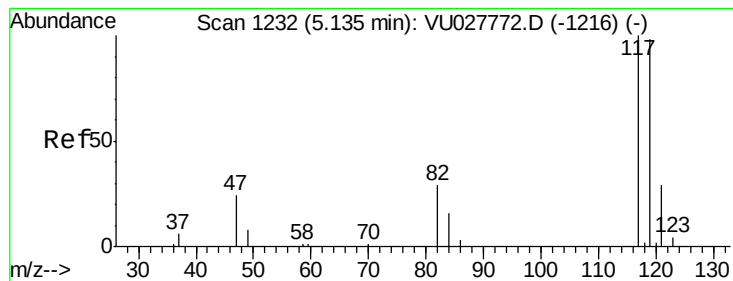
69 28.3 22.2 33.4

84 65.8 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: 0.373 ug/L

RT: 5.14 min Scan# 1234

Delta R.T. 0.01 min

Lab File: VU027790.D

Acq: 24 Oct 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

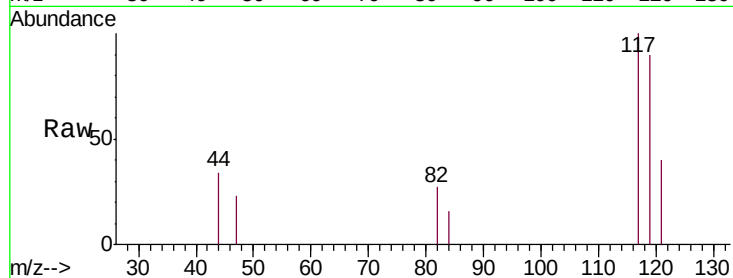
MDL07

Tgt Ion:117 Resp: 1699

Ion Ratio Lower Upper

117 100

119 85.9 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.14

800

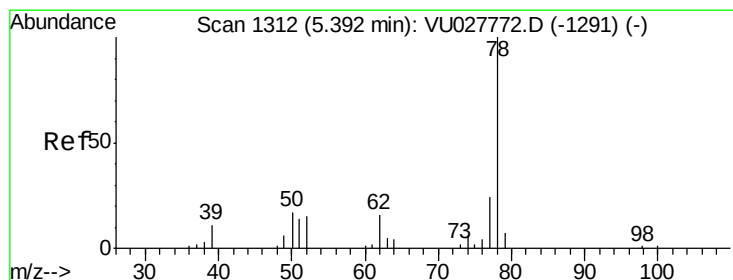
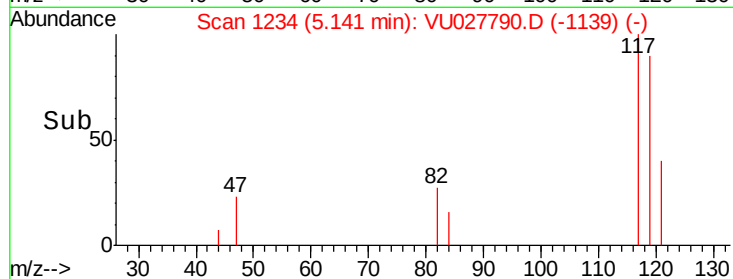
600

400

200

0

Time-->



#33

Benzene

Concen: 0.378 ug/L

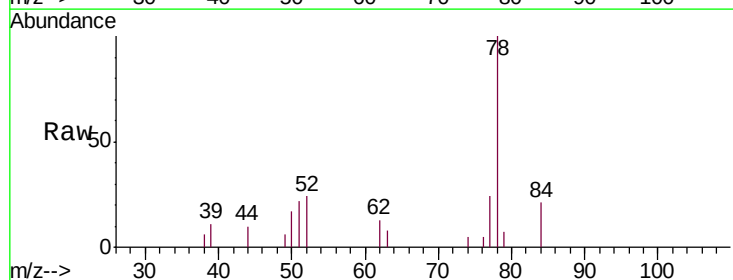
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU027790.D

Acq: 24 Oct 2018 17:00

Tgt Ion: 78 Resp: 4633



Abundance Ion 78.10 (77.80 to 78.80): VU0

2500

2000

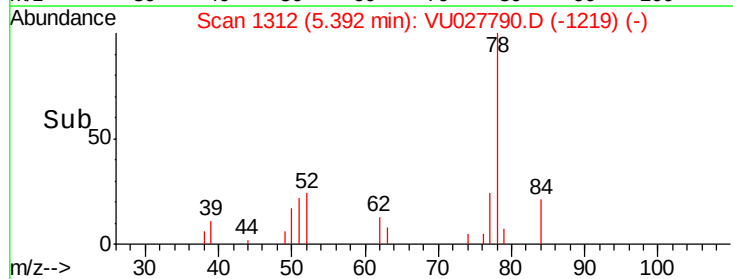
1500

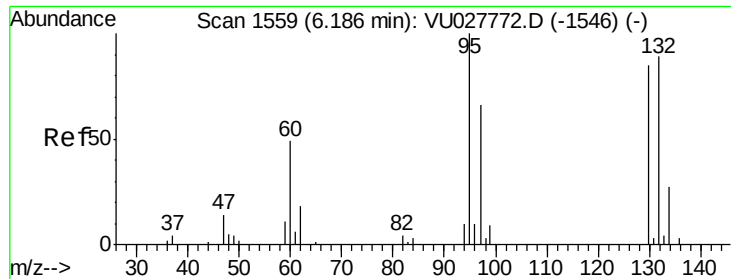
1000

500

0

Time-->





#34

Trichloroethene

Concen: 0.336 ug/L

RT: 6.19 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VU027790.D

Acq: 24 Oct 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tgt Ion: 95 Resp: 1066

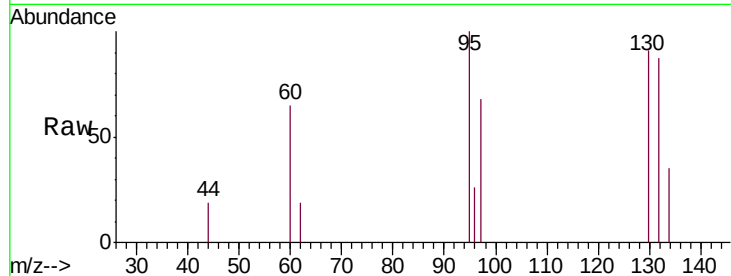
Ion Ratio Lower Upper

95 100

97 67.8 46.4 86.2

132 87.2 62.0 115.2

130 91.2 59.5 110.5

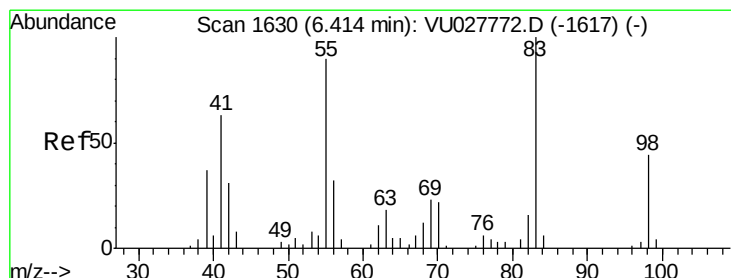
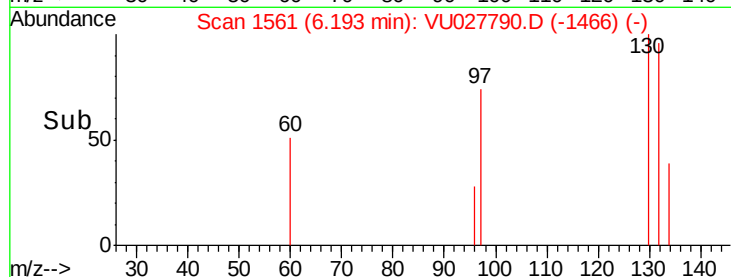
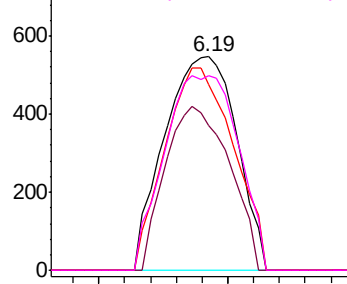


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.371 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU027790.D

Acq: 24 Oct 2018 17:00

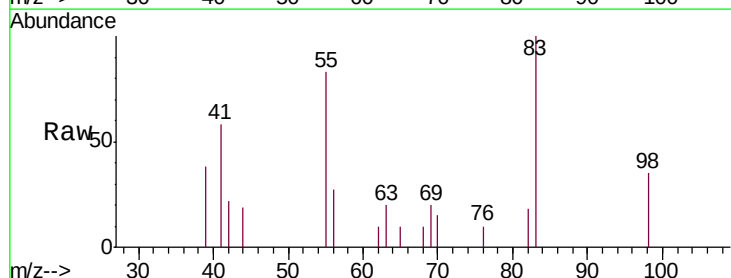
Tgt Ion: 83 Resp: 1969

Ion Ratio Lower Upper

83 100

55 89.2 71.5 107.3

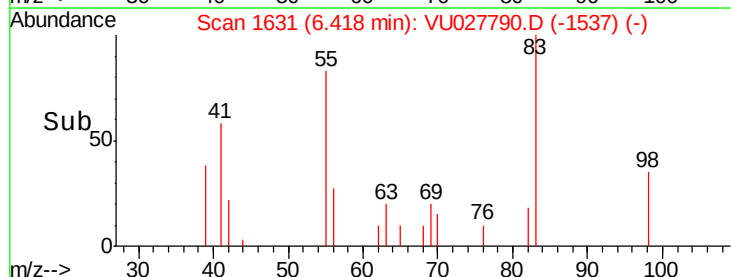
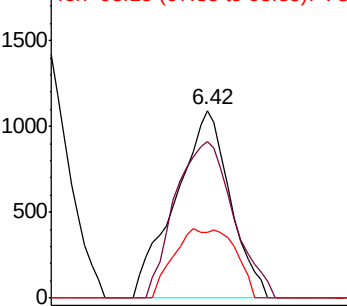
98 40.8 35.4 53.0

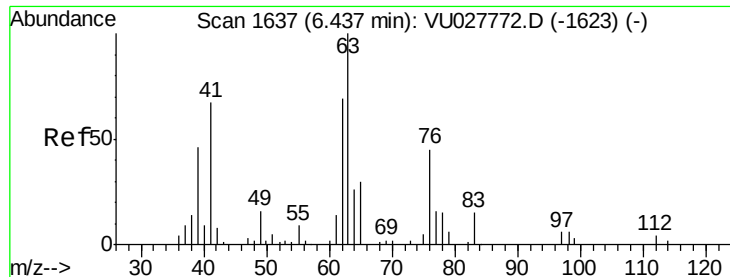


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

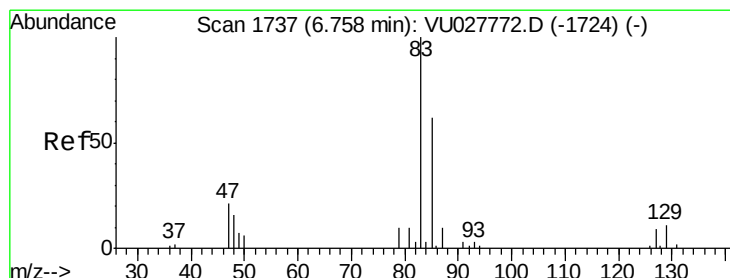
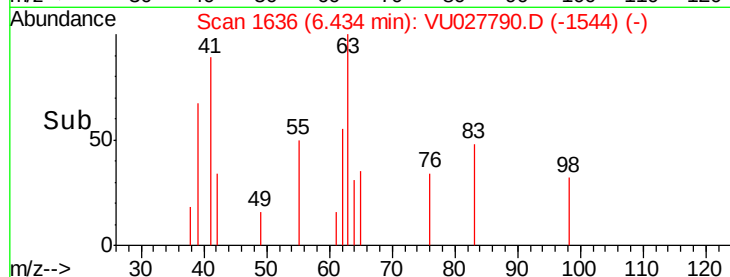
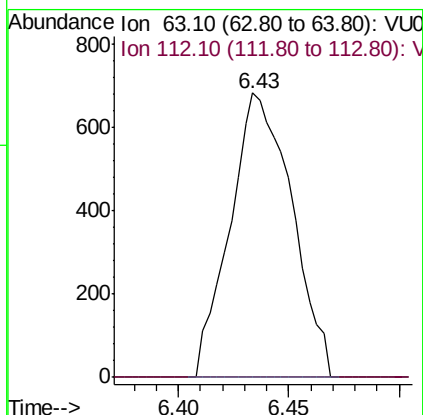
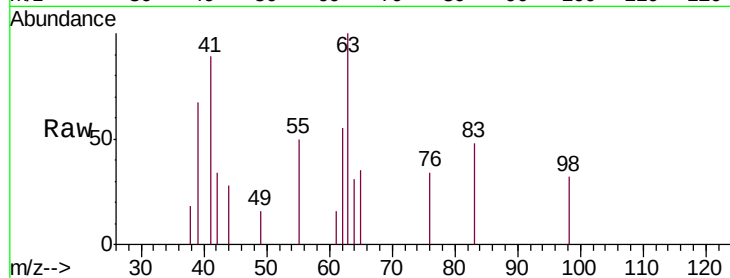




#37
 1,2-Dichloropropane
 Concen: 0.366 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027790.D
 Acq: 24 Oct 2018 17:00

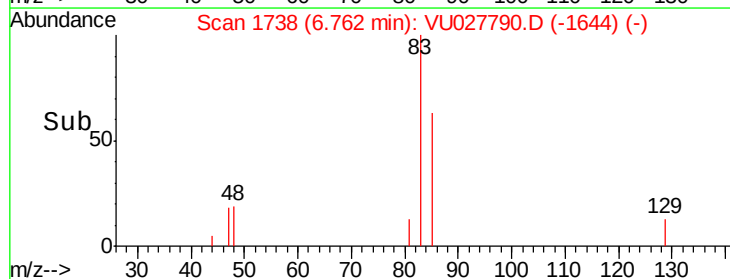
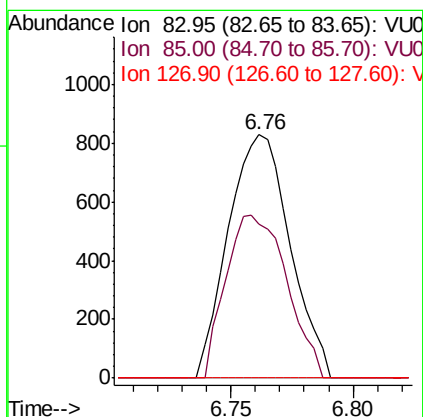
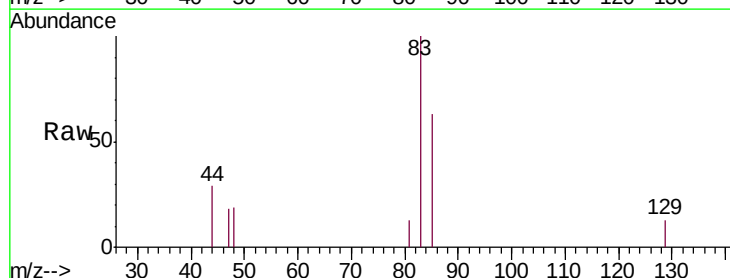
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

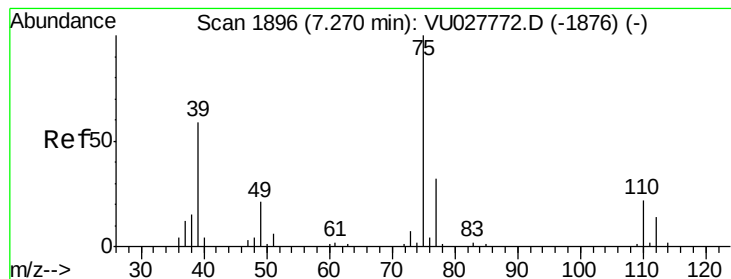
Tgt Ion: 63 Resp: 1317
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#38
 Bromodichloromethane
 Concen: 0.339 ug/L
 RT: 6.76 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VU027790.D
 Acq: 24 Oct 2018 17:00

Tgt Ion: 83 Resp: 1458
 Ion Ratio Lower Upper
 83 100
 85 63.2 43.3 80.5
 127 0.0 7.2 10.8#



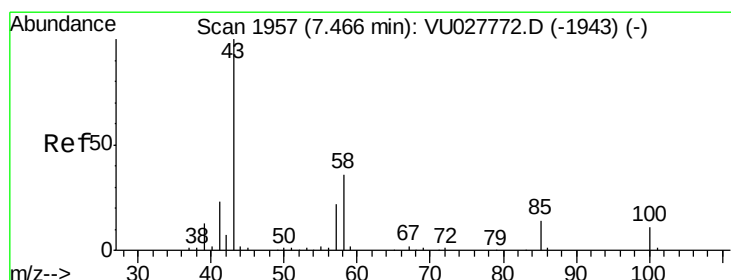
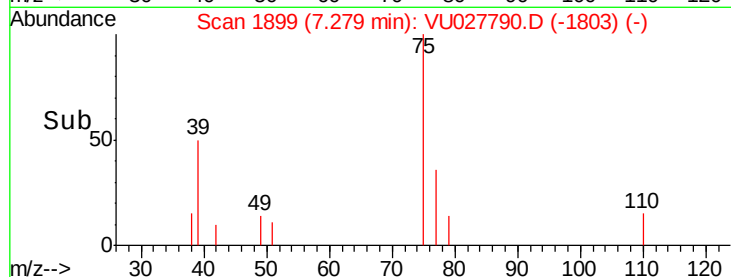
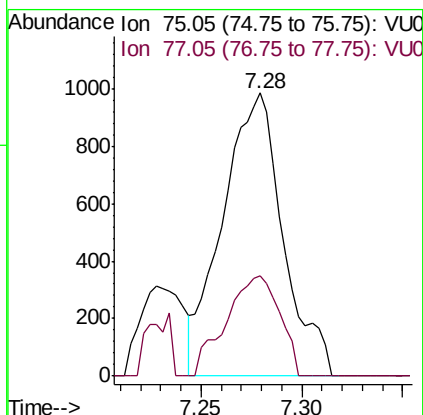
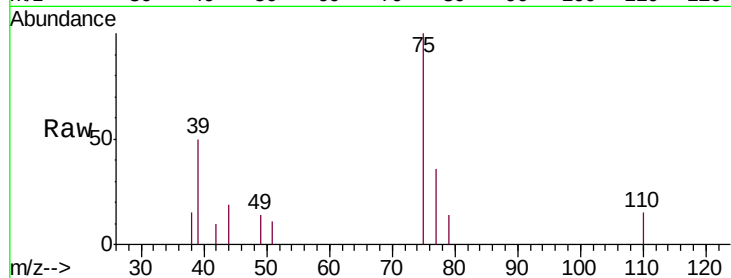


#39

cis-1,3-Dichloropropene
 Concen: 0.399 ug/L
 RT: 7.28 min Scan# 1899
 Delta R.T. 0.01 min
 Lab File: VU027790.D
 Acq: 24 Oct 2018 17:00

Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

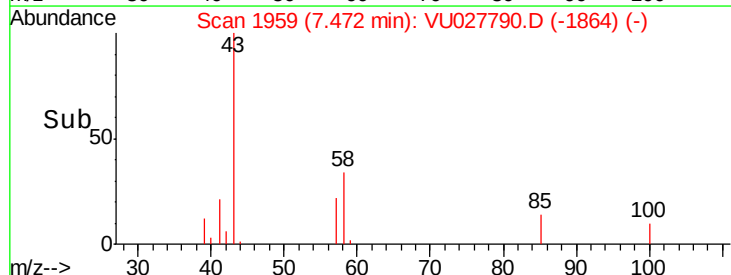
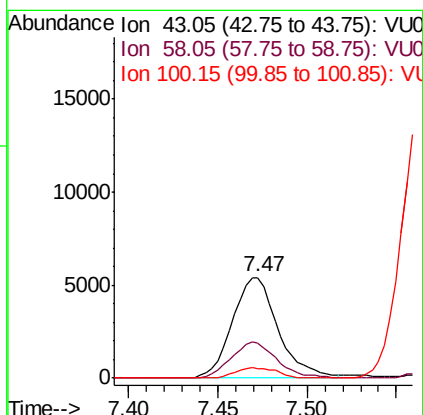
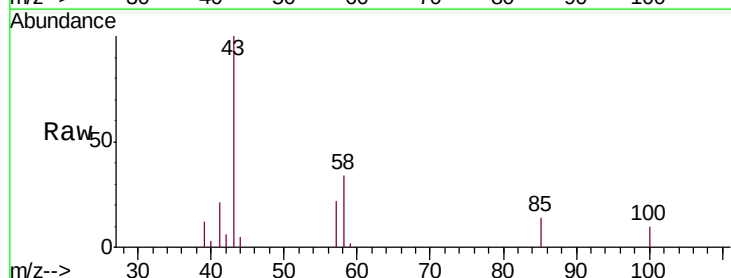
Tgt Ion: 75 Resp: 2057
 Ion Ratio Lower Upper
 75 100
 77 35.6 22.5 41.7

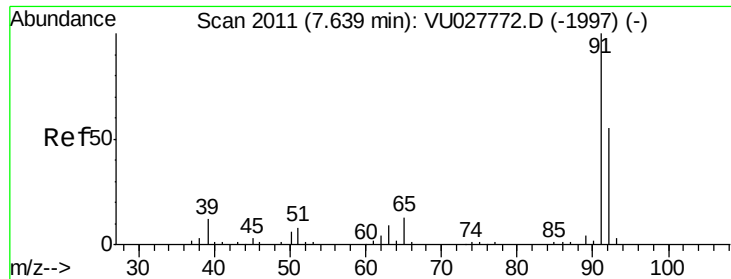


#40

4-Methyl-2-pentanone
 Concen: 3.589 ug/L
 RT: 7.47 min Scan# 1959
 Delta R.T. 0.01 min
 Lab File: VU027790.D
 Acq: 24 Oct 2018 17:00

Tgt Ion: 43 Resp: 9660
 Ion Ratio Lower Upper
 43 100
 58 35.8 28.1 42.1
 100 9.1 8.7 13.1





#42

Toluene

Concen: 0.363 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027790.D

Acq: 24 Oct 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

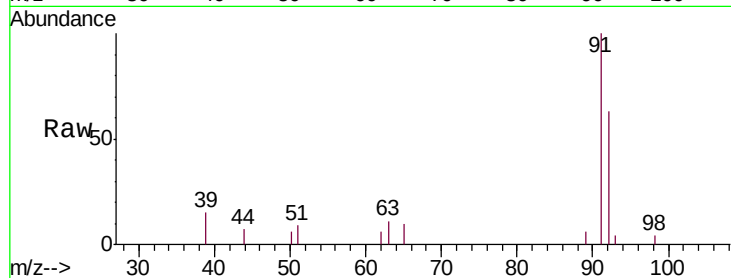
MDL07

Tgt Ion: 91 Resp: 4797

Ion Ratio Lower Upper

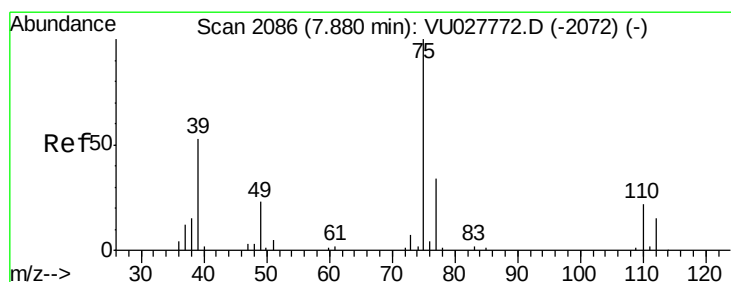
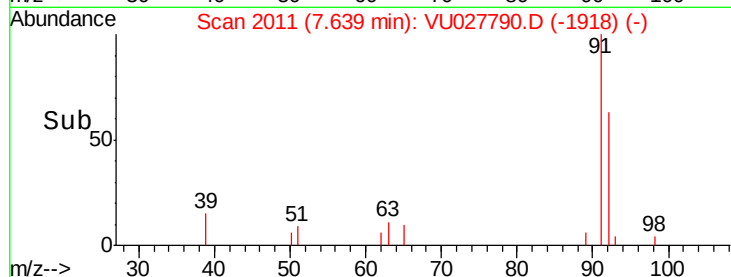
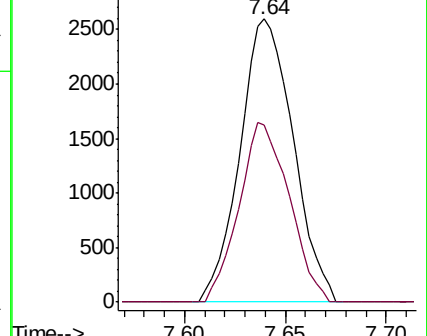
91 100

92 62.6 38.6 71.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.401 ug/L

RT: 7.89 min Scan# 2089

Delta R.T. 0.01 min

Lab File: VU027790.D

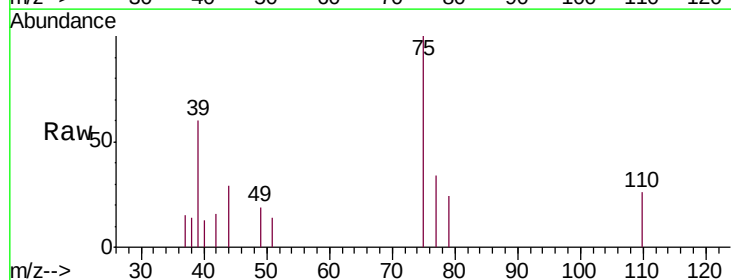
Acq: 24 Oct 2018 17:00

Tgt Ion: 75 Resp: 1740

Ion Ratio Lower Upper

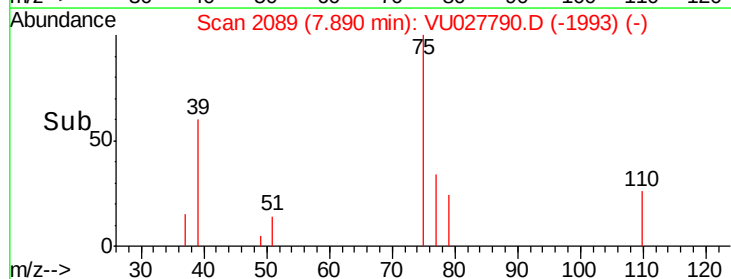
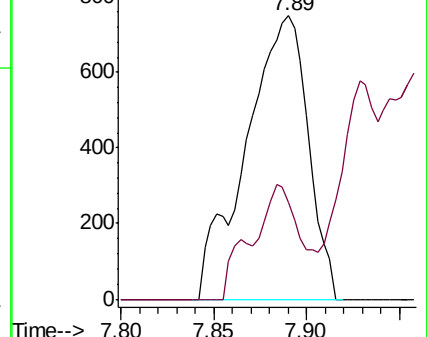
75 100

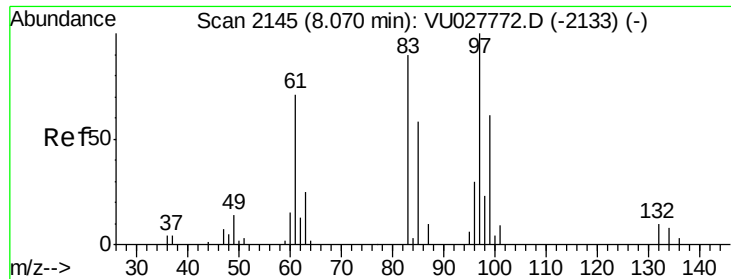
77 34.0 23.5 43.7



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

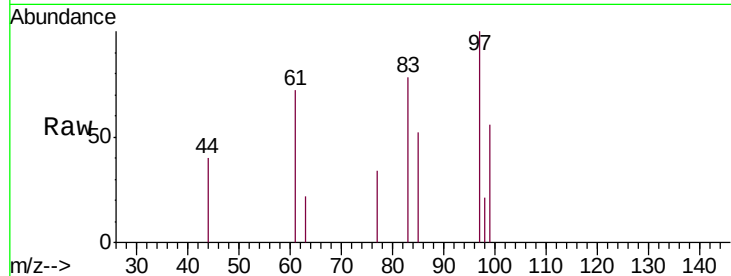




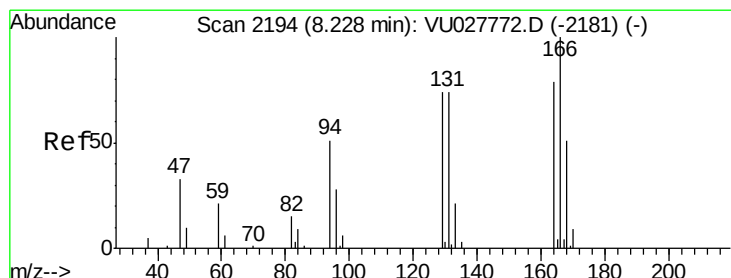
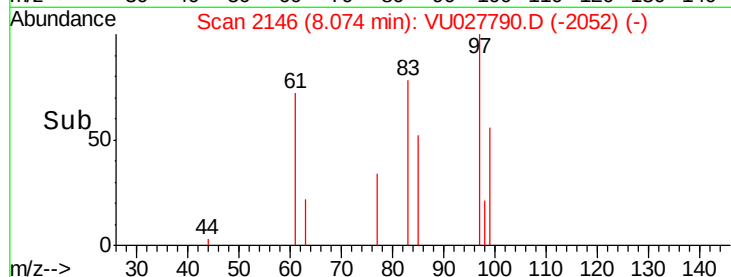
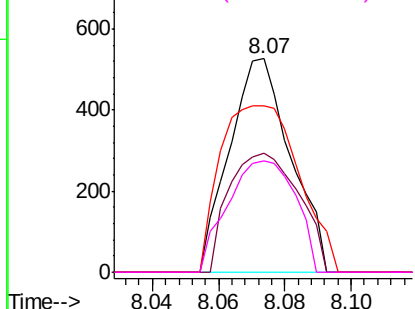
#45
 1,1,2-Trichloroethane
 Concen: 0.312 ug/L
 RT: 8.07 min Scan# 2146
 Delta R.T. 0.00 min
 Lab File: VU027790.D
 Acq: 24 Oct 2018 17:00

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tgt Ion:	97	Resp:	678
Ion	Ratio	Lower	Upper
97	100		
99	55.6	42.8	79.6
83	78.0	62.9	116.9
85	52.0	40.8	75.8

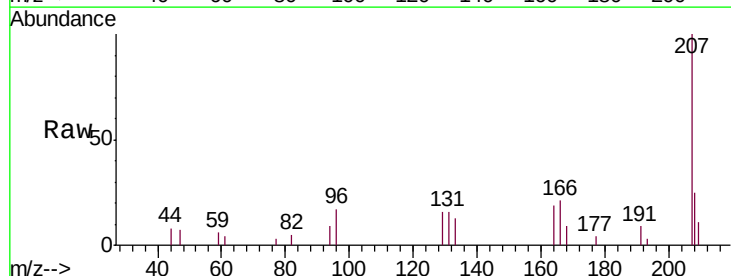


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

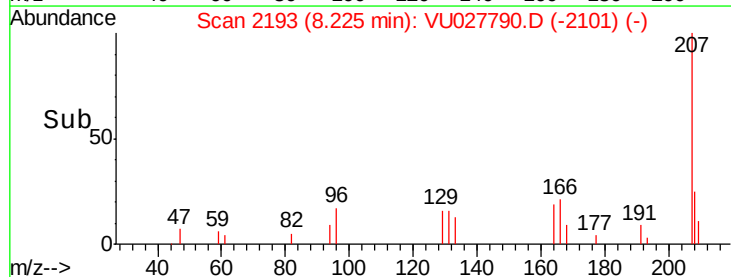
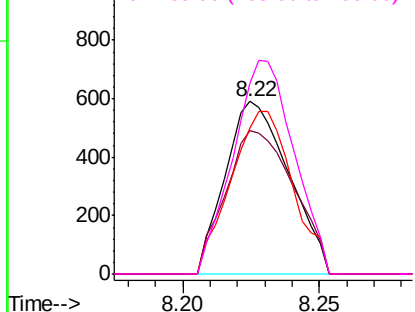


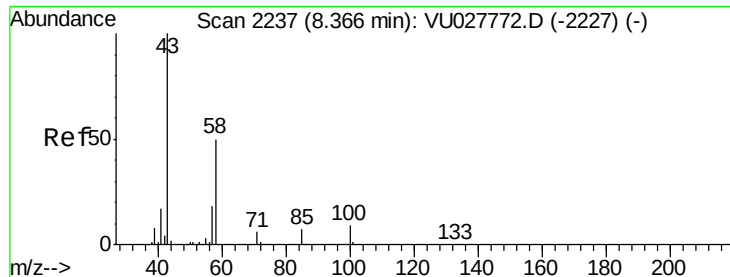
#47
 Tetrachloroethene
 Concen: 0.371 ug/L
 RT: 8.22 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU027790.D
 Acq: 24 Oct 2018 17:00

Tgt Ion:	164	Resp:	957
Ion	Ratio	Lower	Upper
164	100		
129	83.6	65.6	121.8
131	84.4	65.0	120.8
166	110.8	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

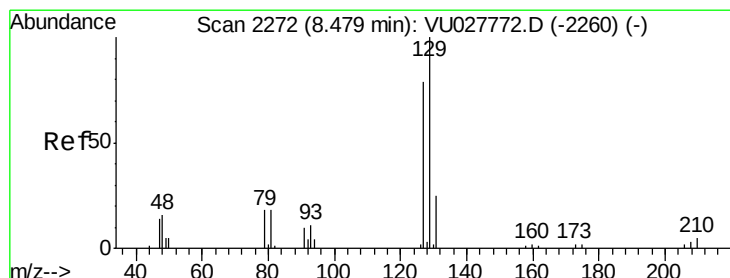
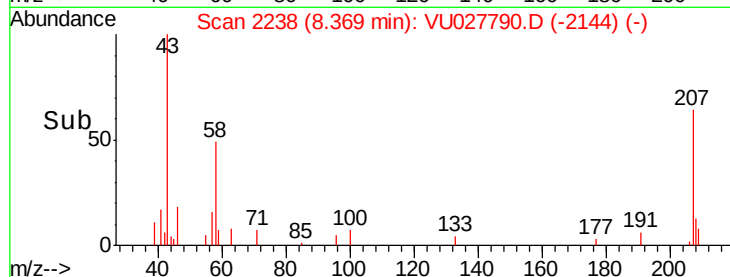
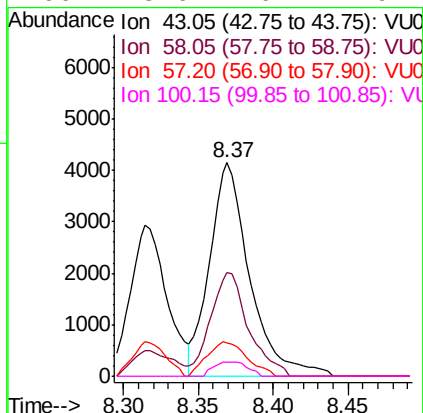
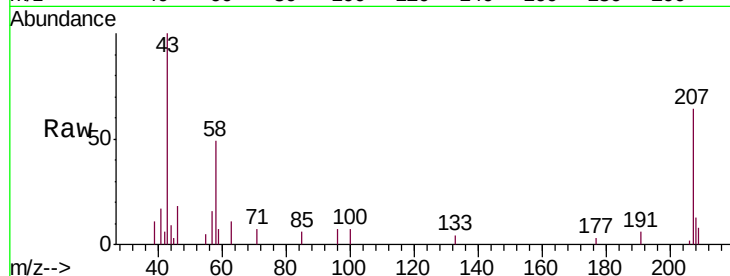




#48
2-Hexanone
Concen: 4.054 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VU027790.D
Acq: 24 Oct 2018 17:00

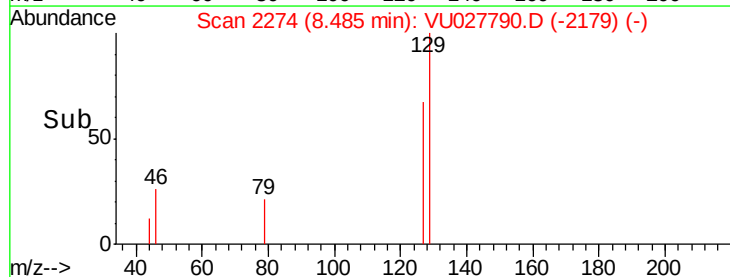
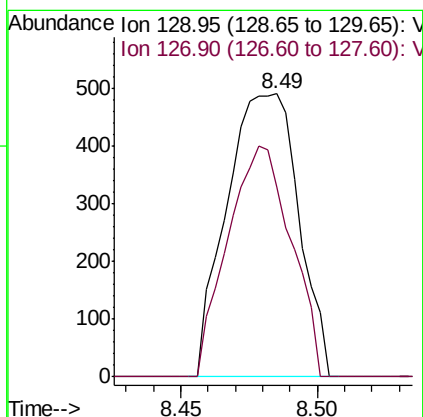
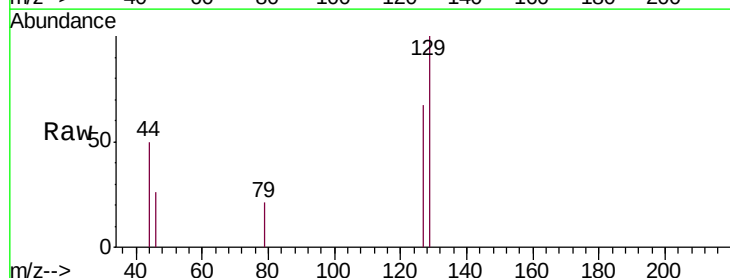
Instrument :
MSVOA_U
ClientSampleId :
MDL07

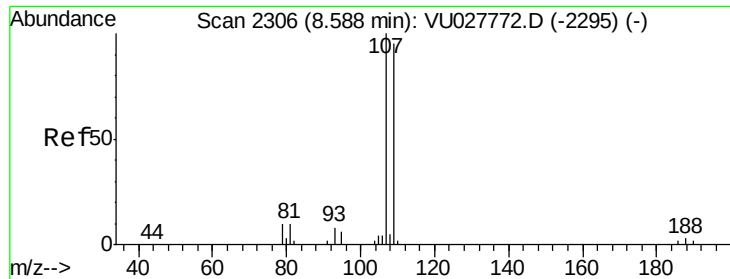
Tgt Ion: 43 Resp: 7754
Ion Ratio Lower Upper
43 100
58 45.5 39.4 59.0
57 16.0 13.8 20.8
100 5.6 6.7 10.1#



#49
Dibromochloromethane
Concen: 0.324 ug/L
RT: 8.49 min Scan# 2274
Delta R.T. 0.01 min
Lab File: VU027790.D
Acq: 24 Oct 2018 17:00

Tgt Ion: 129 Resp: 897
Ion Ratio Lower Upper
129 100
127 66.9 55.2 102.4

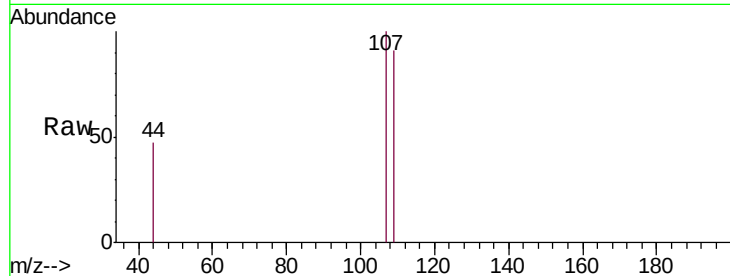




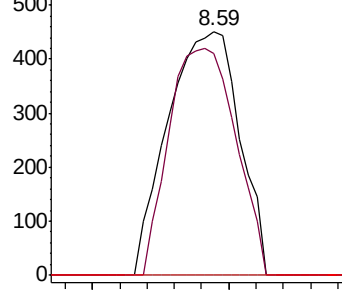
#50
1,2-Dibromoethane
Concen: 0.390 ug/L
RT: 8.59 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VU027790.D
Acq: 24 Oct 2018 17:00

Instrument :
MSVOA_U
ClientSampleId :
MDL07

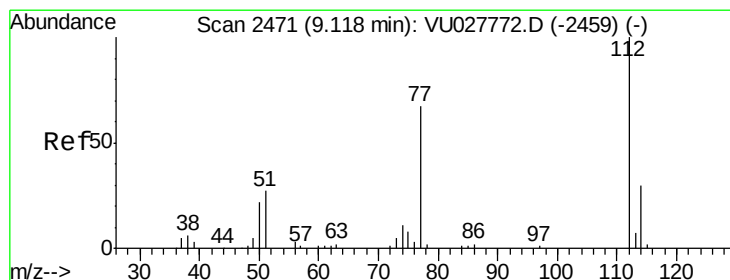
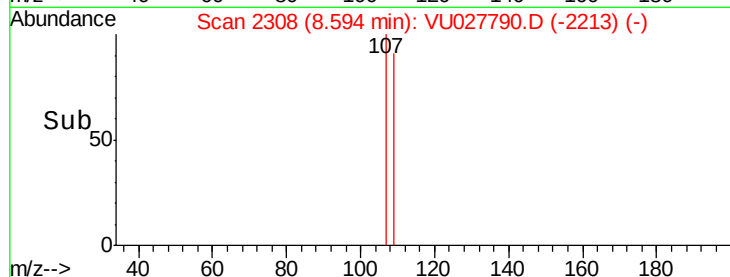
Tgt Ion:107 Resp: 823
Ion Ratio Lower Upper
107 100
109 91.1 66.3 123.1
188 0.0 2.6 3.8#



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

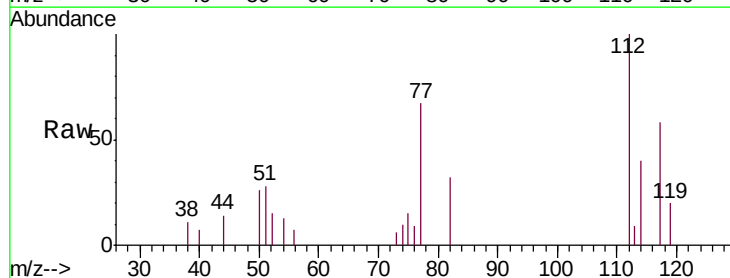


Time-->

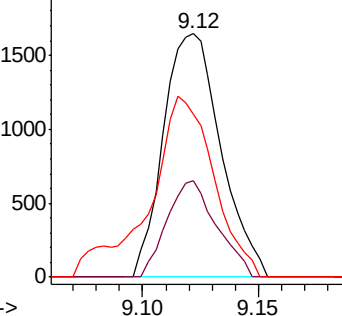


#51
Chlorobenzene
Concen: 0.349 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027790.D
Acq: 24 Oct 2018 17:00

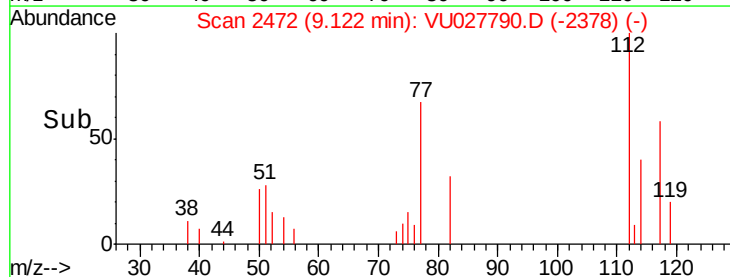
Tgt Ion:112 Resp: 2838
Ion Ratio Lower Upper
112 100
114 39.8 21.2 39.4#
77 66.8 54.2 81.4

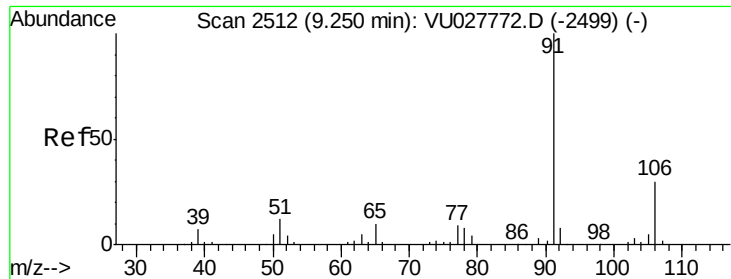


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



Time-->

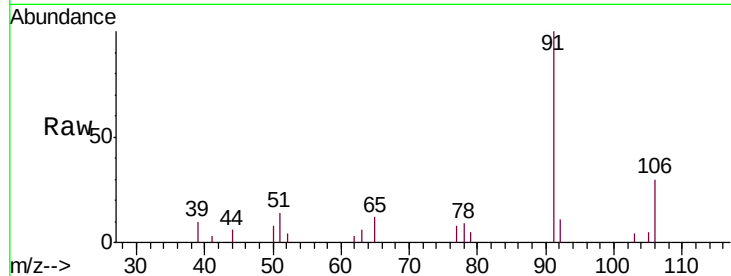




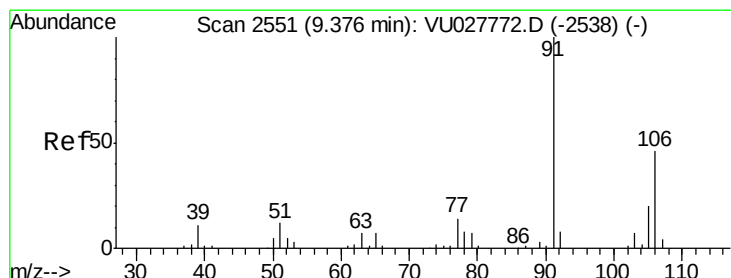
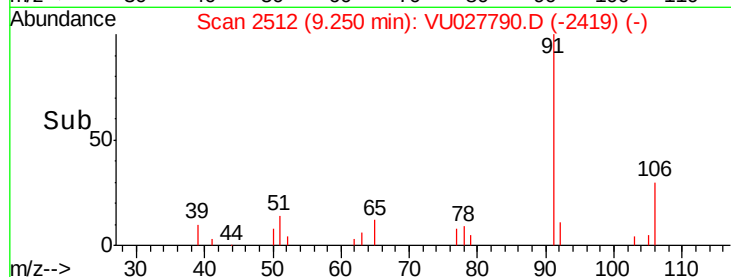
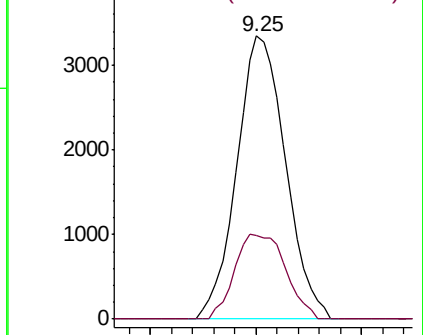
#52
Ethylbenzene
Concen: 0.351 ug/L
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027790.D
Acq: 24 Oct 2018 17:00

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tgt Ion: 91 Resp: 5374
Ion Ratio Lower Upper
91 100
106 29.8 20.6 38.4

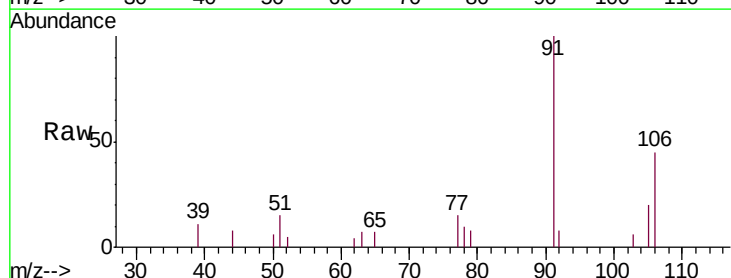


Abundance Ion 91.15 (90.85 to 91.85): VU027772.D (-2499) (-)
Ion 106.15 (105.85 to 106.85): VU027790.D (-2419) (-)

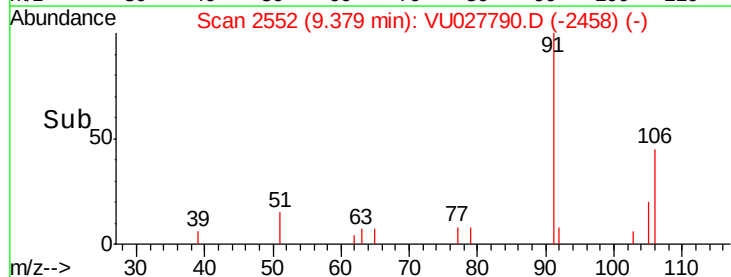
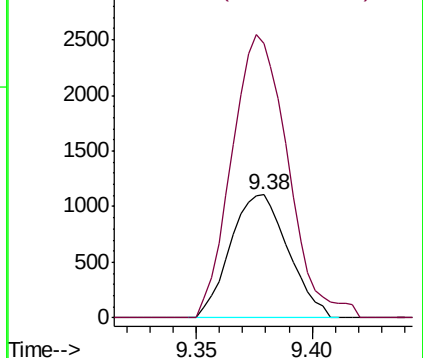


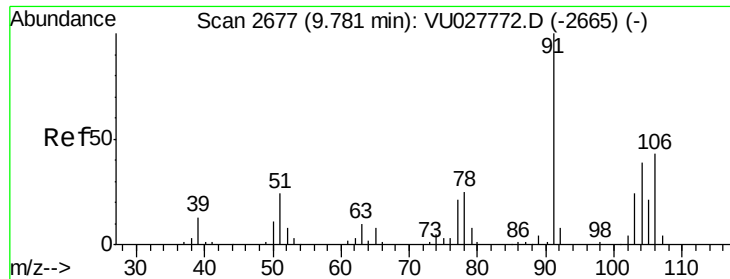
#53
m,p-xylene
Concen: 0.354 ug/L
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027790.D
Acq: 24 Oct 2018 17:00

Tgt Ion: 106 Resp: 1918
Ion Ratio Lower Upper
106 100
91 223.0 154.1 286.3



Abundance Ion 106.15 (105.85 to 106.85): VU027790.D (-2458) (-)
Ion 91.15 (90.85 to 91.85): VU027772.D (-2538) (-)

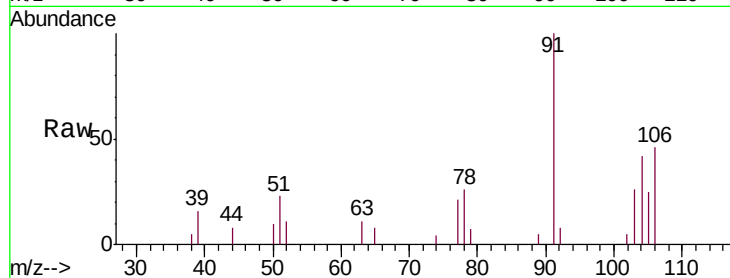




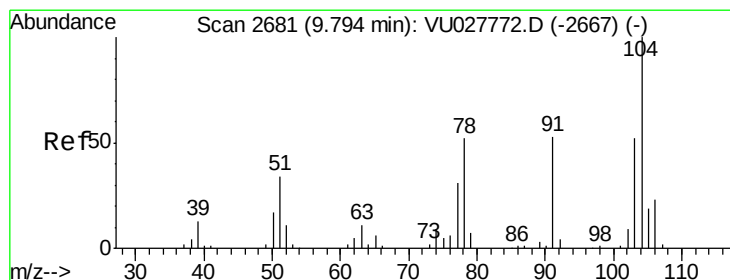
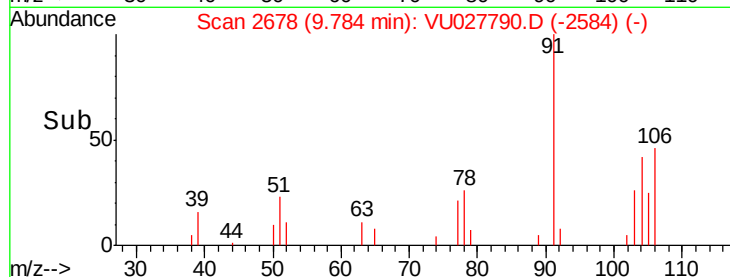
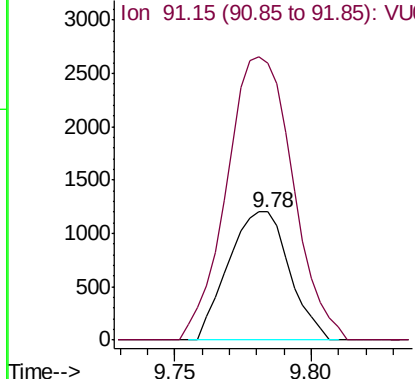
#54
o-xylene
Concen: 0.351 ug/L
RT: 9.78 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VU027790.D
Acq: 24 Oct 2018 17:00

Instrument :
MSVOA_U
ClientSampled :
MDL07

Tgt Ion:106 Resp: 1860
Ion Ratio Lower Upper
106 100
91 216.0 161.3 299.7

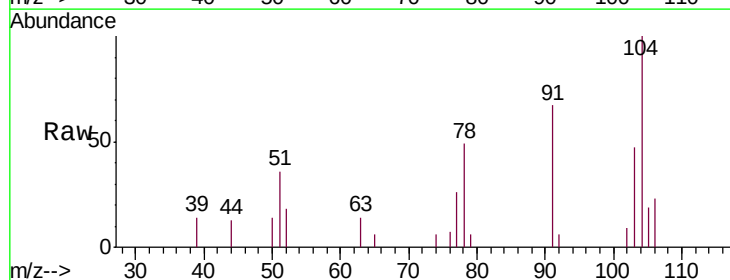


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

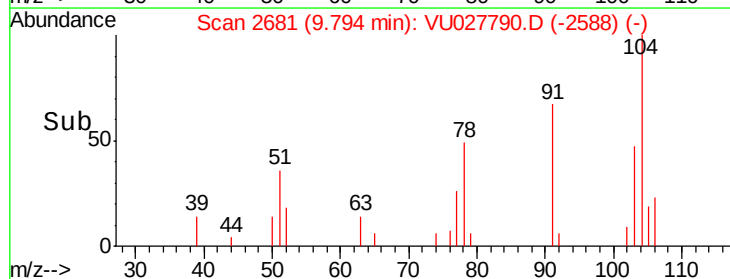
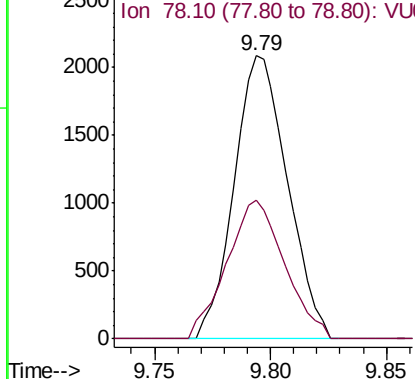


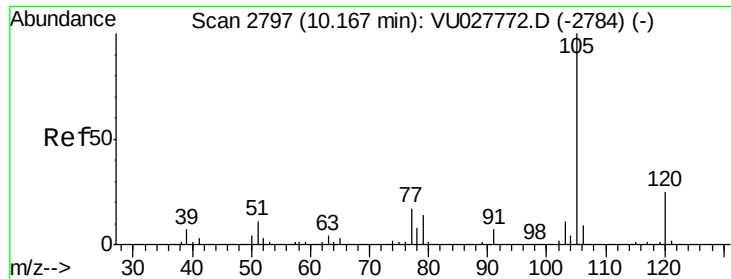
#55
Styrene
Concen: 0.371 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027790.D
Acq: 24 Oct 2018 17:00

Tgt Ion:104 Resp: 3328
Ion Ratio Lower Upper
104 100
78 49.0 36.3 67.3



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





#56

Isopropylbenzene

Concen: 0.359 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027790.D

Acq: 24 Oct 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

MDL07

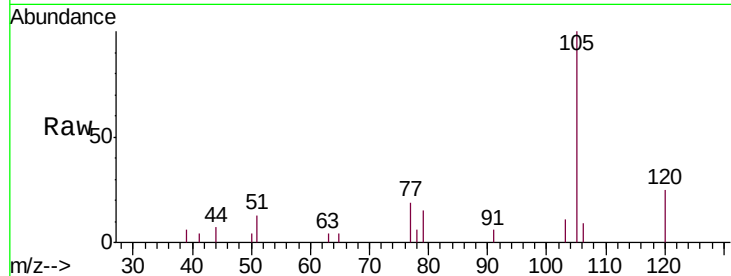
Tgt Ion: 105 Resp: 5270

Ion Ratio Lower Upper

105 100

120 23.0 19.9 29.9

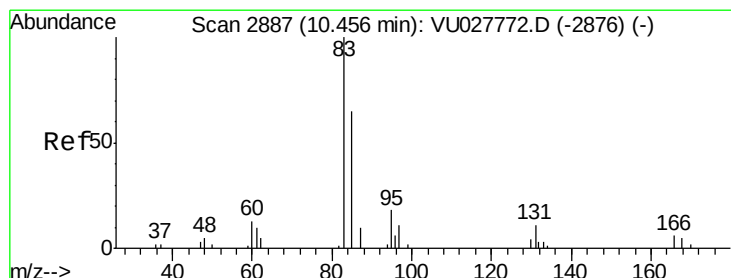
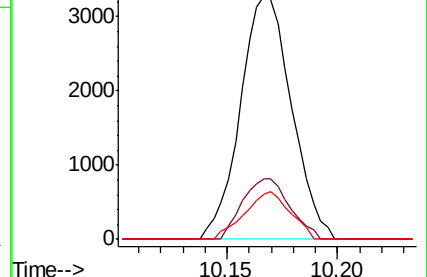
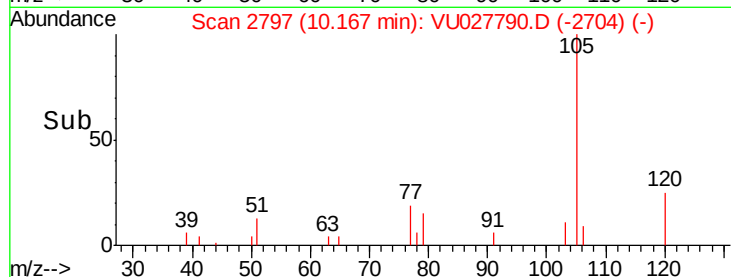
77 17.3 13.7 20.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.400 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027790.D

Acq: 24 Oct 2018 17:00

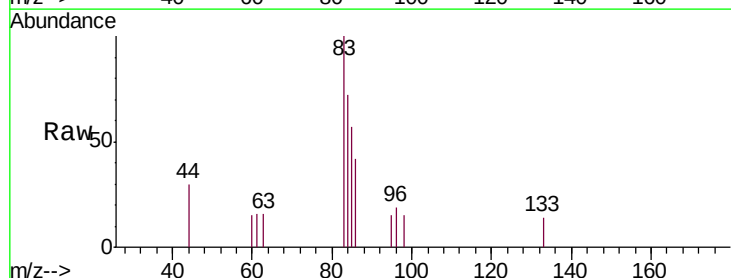
Tgt Ion: 83 Resp: 1143

Ion Ratio Lower Upper

83 100

85 56.5 45.5 84.5

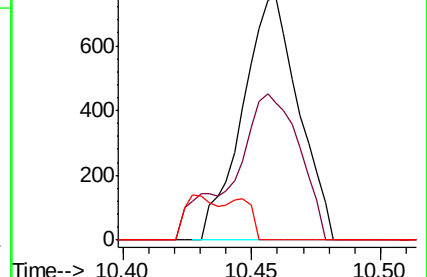
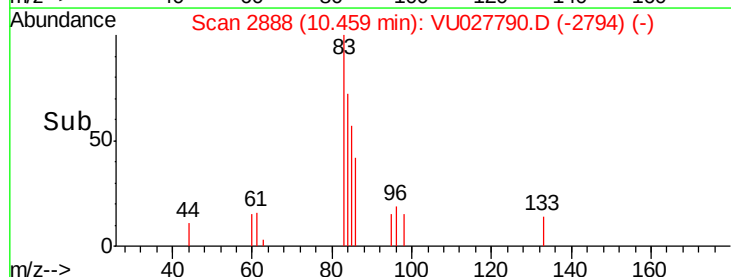
131 0.0 8.8 13.2#

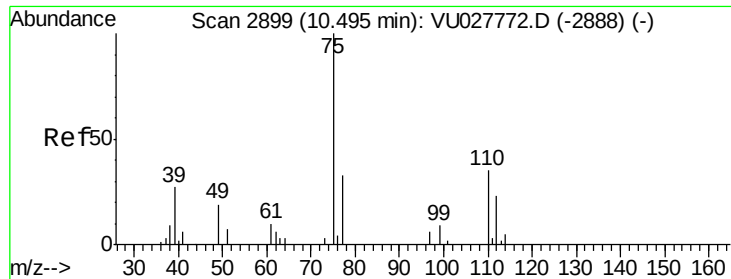


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

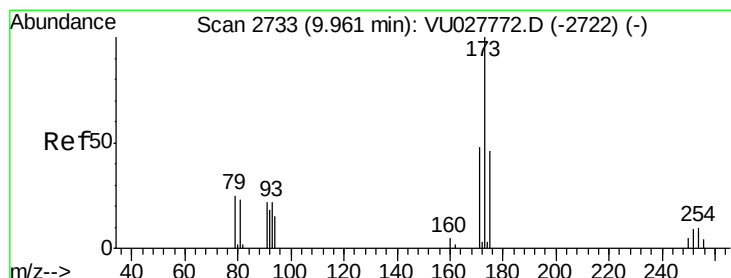
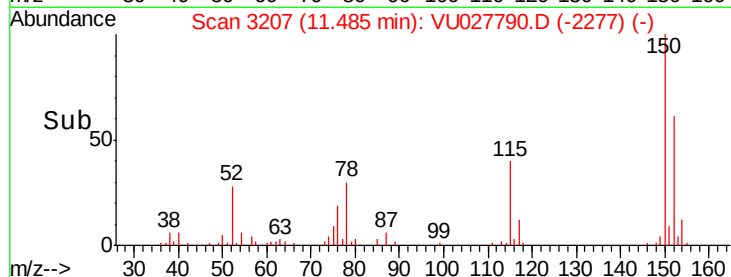
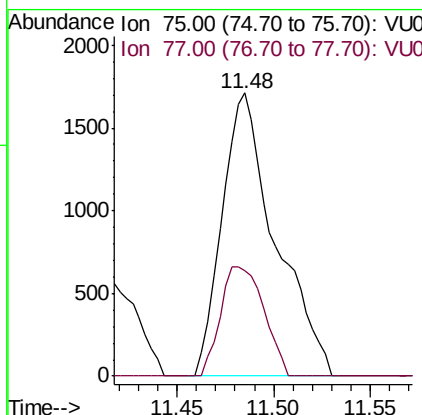
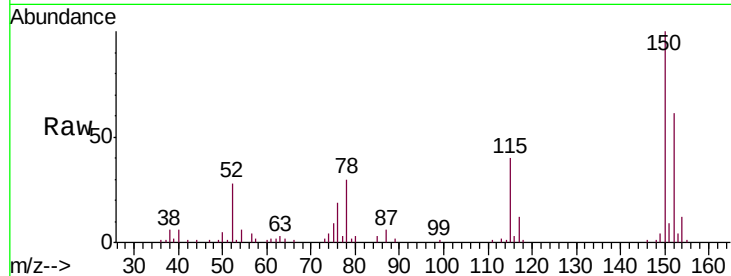




#59
 1,2,3-Trichloropropane
 Concen: 1.446 ug/L
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU027790.D
 Acq: 24 Oct 2018 17:00

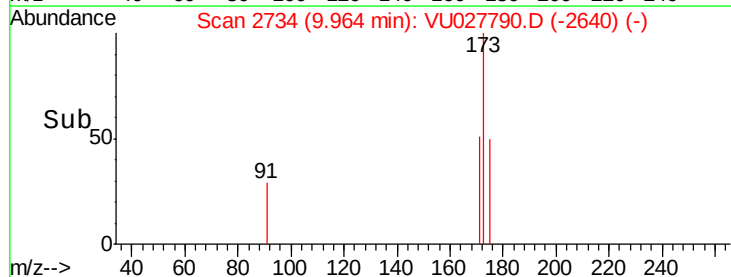
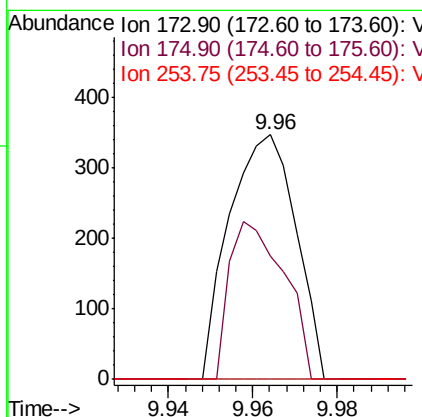
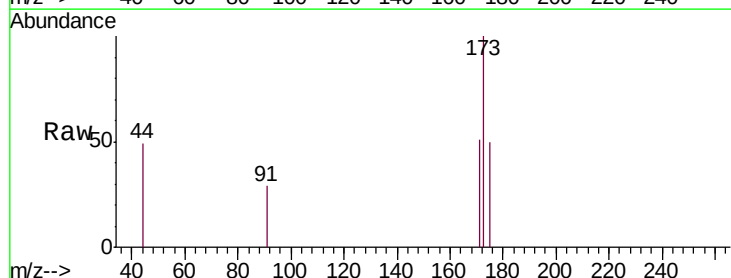
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

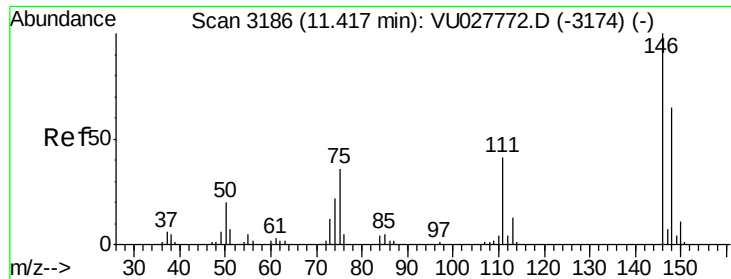
Tgt Ion: 75 Resp: 3279
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.4 39.6



#61
 Bromoform
 Concen: 0.246 ug/L
 RT: 9.96 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VU027790.D
 Acq: 24 Oct 2018 17:00

Tgt Ion: 173 Resp: 381
 Ion Ratio Lower Upper
 173 100
 175 53.0 37.7 56.5
 254 0.0 7.2 10.8#

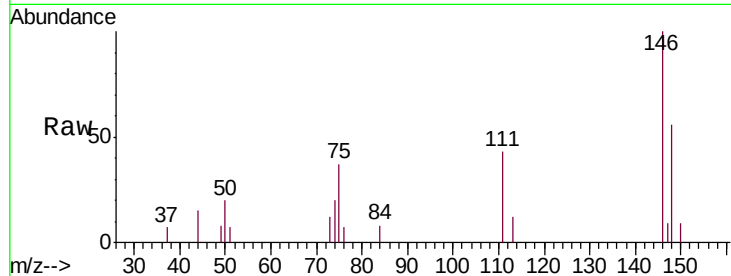




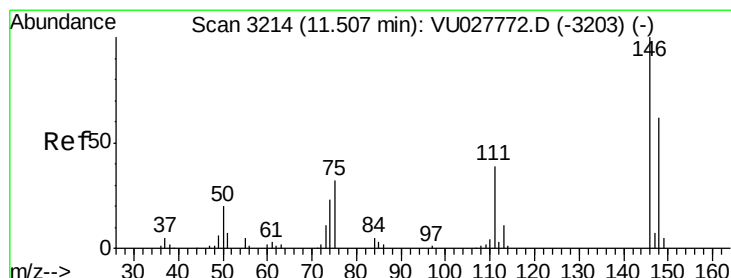
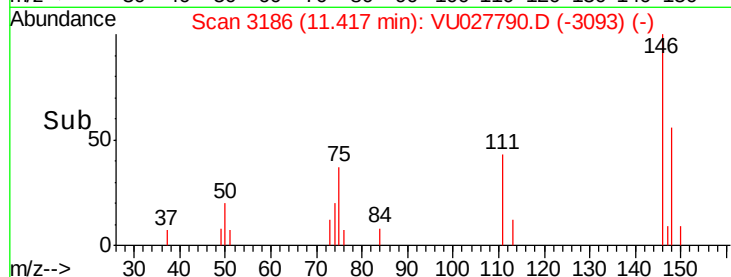
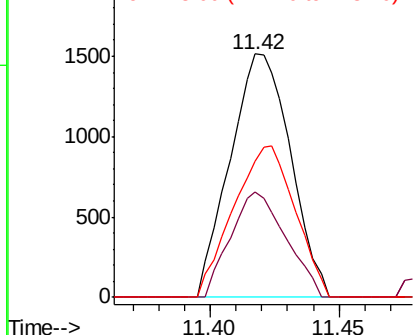
#62
 1,3-Dichlorobenzene
 Concen: 0.381 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027790.D
 Acq: 24 Oct 2018 17:00

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tgt Ion:146 Resp: 2472
 Ion Ratio Lower Upper
 146 100
 111 43.2 28.6 53.0
 148 56.2 45.1 83.9

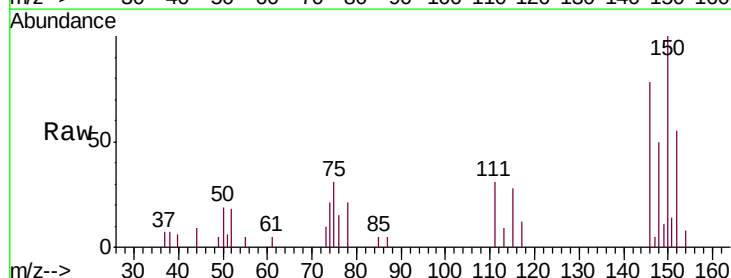


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

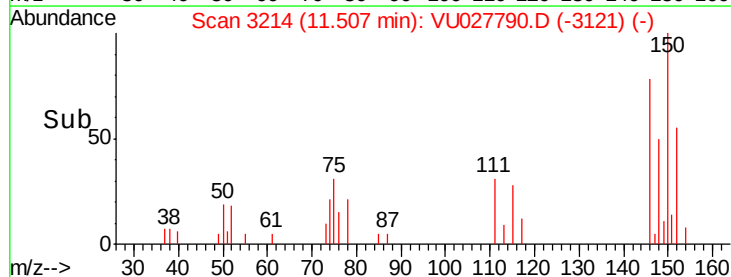
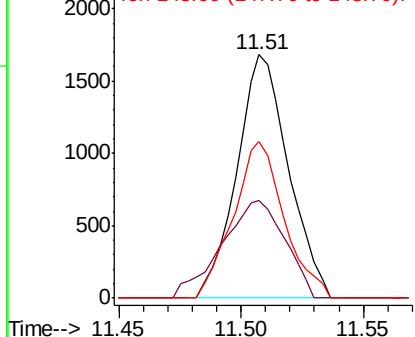


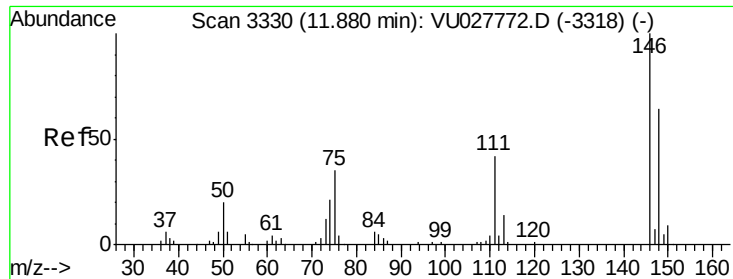
#63
 1,4-Dichlorobenzene
 Concen: 0.376 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027790.D
 Acq: 24 Oct 2018 17:00

Tgt Ion:146 Resp: 2462
 Ion Ratio Lower Upper
 146 100
 111 40.0 27.6 51.4
 148 64.5 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: 0.410 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU027790.D

Acq: 24 Oct 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

MDL07

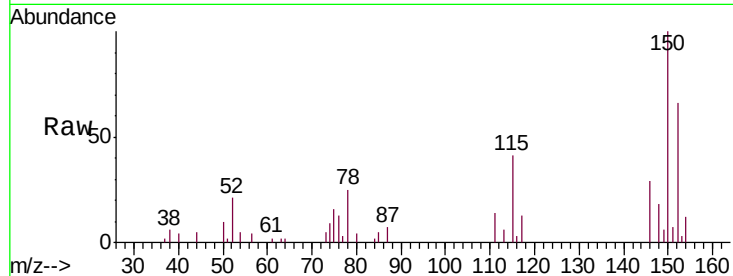
Tgt Ion:146 Resp: 2501

Ion Ratio Lower Upper

146 100

111 48.3 33.7 50.5

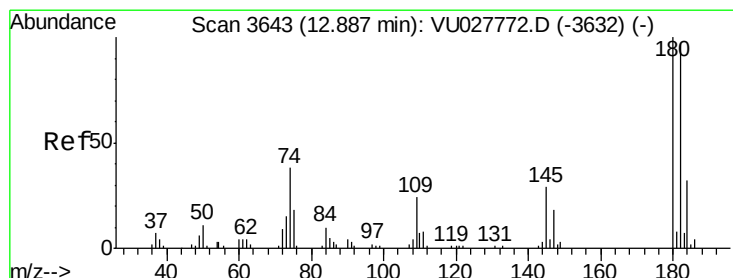
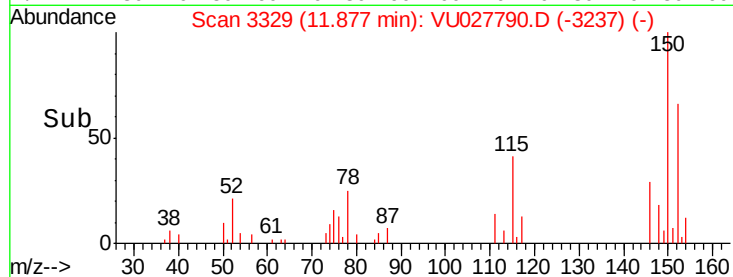
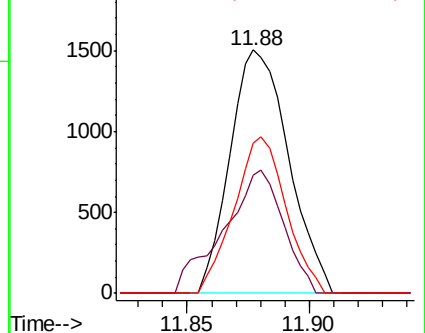
148 61.8 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 0.339 ug/L

RT: 12.89 min Scan# 3644

Delta R.T. 0.00 min

Lab File: VU027790.D

Acq: 24 Oct 2018 17:00

Tgt Ion:180 Resp: 1764

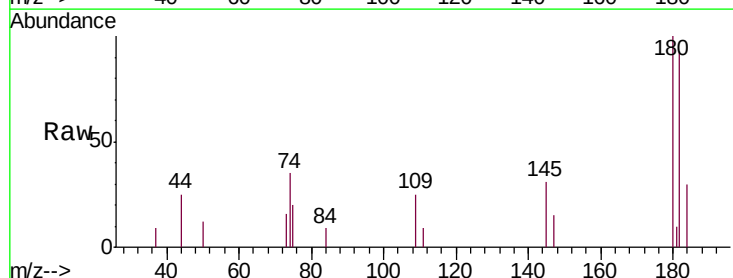
Ion Ratio Lower Upper

180 100

182 99.1 78.9 118.3

184 26.7 24.6 37.0

145 26.0 23.4 35.0

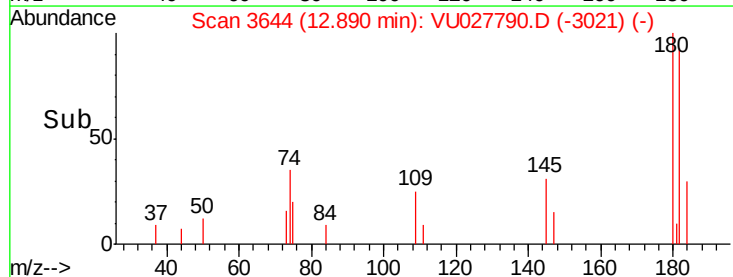
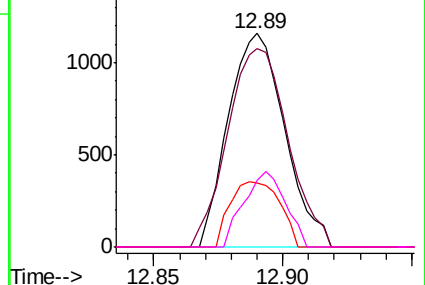


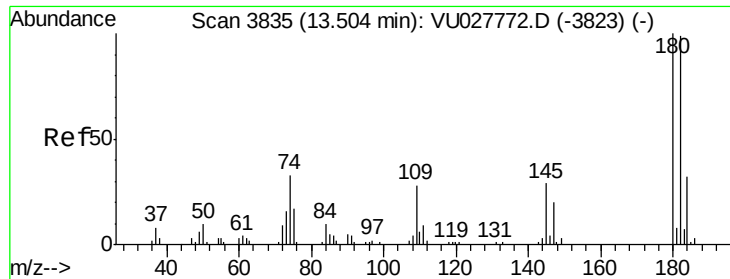
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

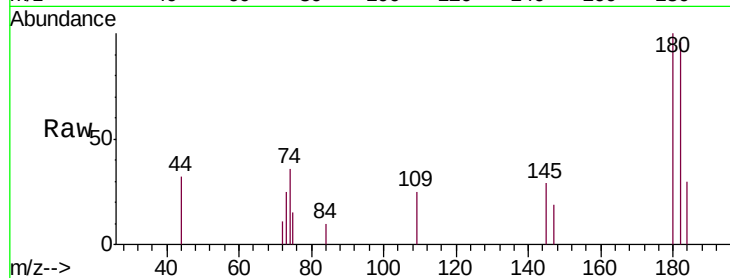




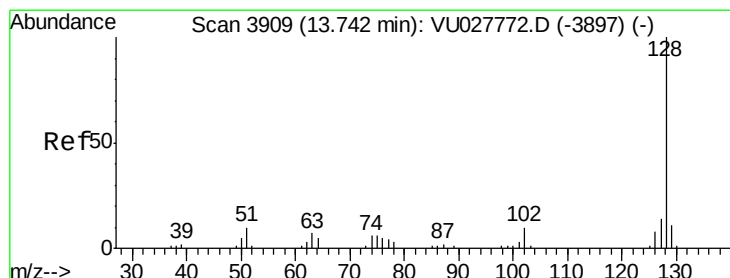
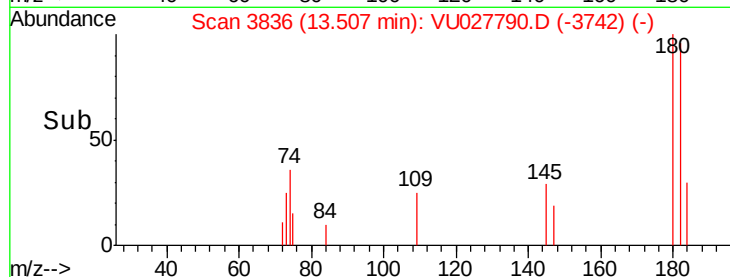
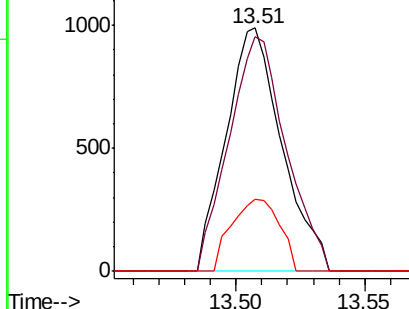
#68
 1,2,4-trichlorobenzene
 Concen: 0.331 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027790.D
 Acq: 24 Oct 2018 17:00

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tgt Ion:180 Resp: 1495
 Ion Ratio Lower Upper
 180 100
 182 98.5 77.6 116.4
 145 25.4 23.7 35.5

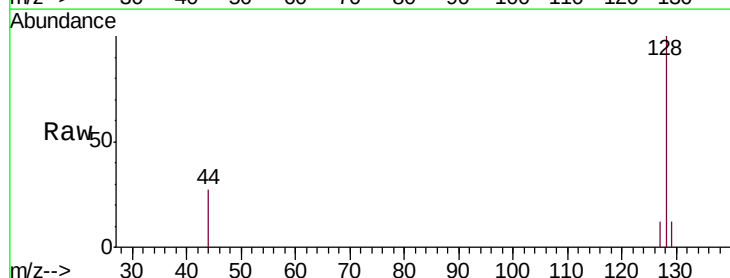


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

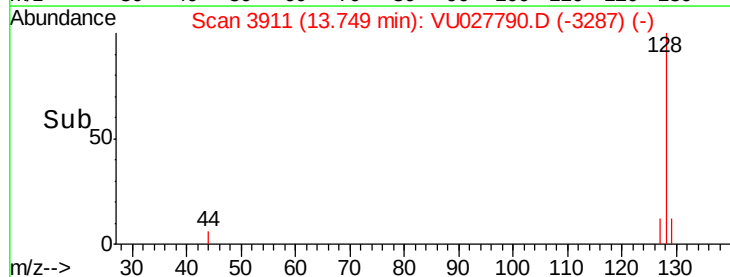
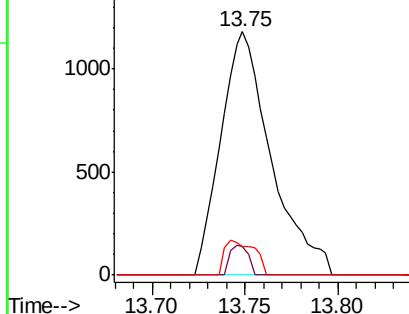


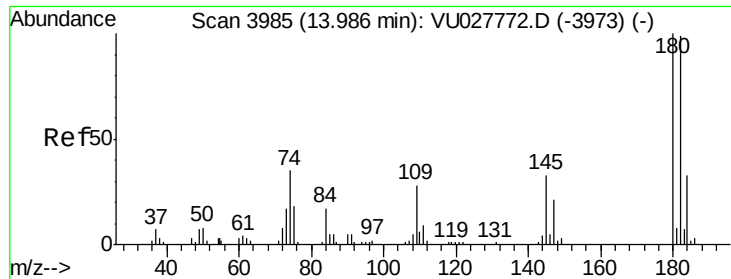
#69
 Naphthalene
 Concen: 0.303 ug/L
 RT: 13.75 min Scan# 3911
 Delta R.T. 0.01 min
 Lab File: VU027790.D
 Acq: 24 Oct 2018 17:00

Tgt Ion:128 Resp: 2227
 Ion Ratio Lower Upper
 128 100
 129 4.4 8.8 13.2#
 127 8.4 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: 0.281 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027790.D

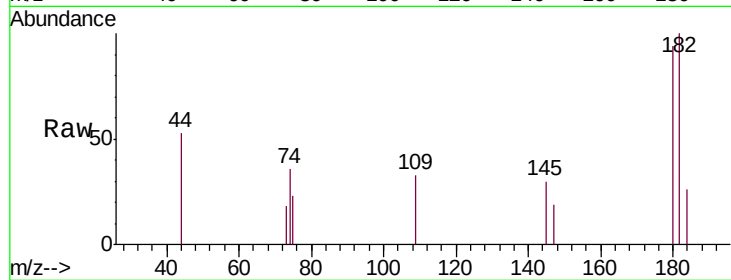
Acq: 24 Oct 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

MDL07



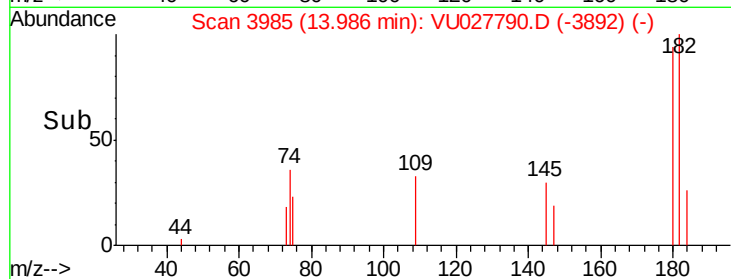
Tgt Ion:180 Resp: 1172

Ion Ratio Lower Upper

180 100

182 104.6 76.9 115.3

145 28.1 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

