

Data File : VU027781.D
Acq On : 24 Oct 2018 13:23
Operator : MD/SY
Sample : MDL05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Quant Time: Oct 25 04:39:10 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	41496	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	39292	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	19703	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	15442	4.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.20%
7) Chloroethane-d5	1.68	69	11429	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.28	63	23102	3.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.40%
20) 2-Butanone-d5	4.22	46	49579	48.21	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.42%
24) Chloroform-d	4.65	84	27834	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.32	65	16975	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.34	84	51425	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.33	67	18266	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.57	98	48966	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	7.85	79	7369	4.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.60%
46) 2-Hexanone-d5	8.32	63	42512	51.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.16%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	13392	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	17576	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	1125	0.280 ug/L #	79
3) Chloromethane	1.33	50	1290	0.285 ug/L	95
5) Vinyl chloride	1.40	62	1067	0.245 ug/L #	61
6) Bromomethane	1.63	94	606	0.272 ug/L	81
8) Chloroethane	1.70	64	564	0.240 ug/L #	83
9) Trichlorofluoromethane	1.89	101	1463	0.254 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	894	0.308 ug/L	88
12) 1,1-Dichloroethene	2.29	96	847	0.313 ug/L #	1
13) Acetone	2.36	43	1875	2.529 ug/L	99
14) Carbon disulfide	2.48	76	2459	0.265 ug/L	99
15) Methyl Acetate	2.63	43	801	0.386 ug/L #	57
16) Methylene chloride	2.70	84	1291	0.405 ug/L	90
17) Methyl tert-butyl Ether	3.01	73	2194	0.253 ug/L #	77
18) trans-1,2-Dichloroethene	2.99	96	774	0.267 ug/L	92
19) 1,1-Dichloroethane	3.45	63	1711	0.267 ug/L #	86
21) 2-Butanone	4.31	43	3558	2.925 ug/L	85
22) cis-1,2-Dichloroethene	4.23	96	780	0.227 ug/L	86

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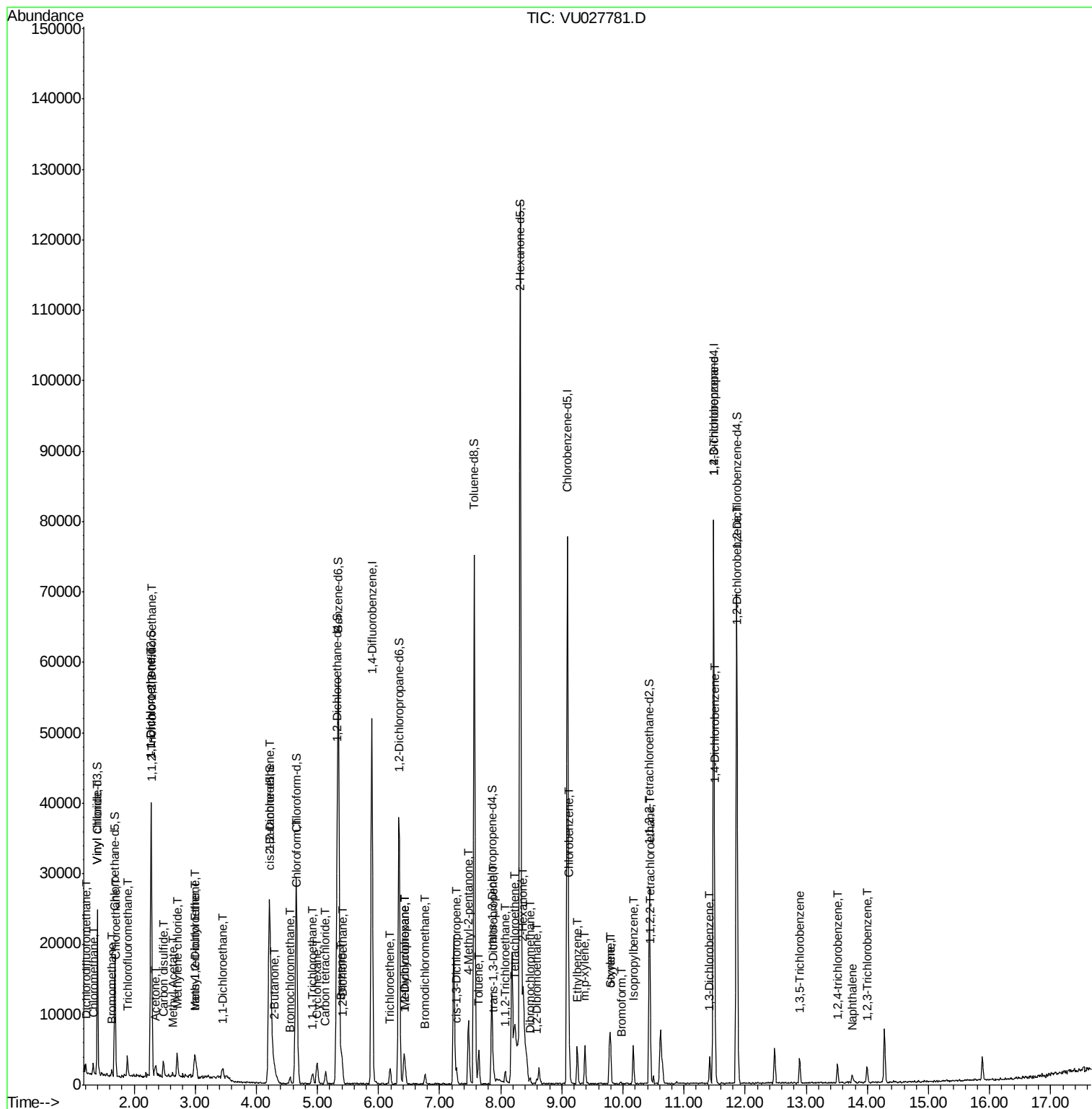
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	275	0.197	ug/L	91
25) Chloroform	4.67	83	1792	0.278	ug/L	99
27) 1,2-Dichloroethane	5.42	62	1245	0.261	ug/L #	79
29) 1,1,1-Trichloroethane	4.91	97	1340	0.237	ug/L	90
30) Cyclohexane	4.99	56	1550	0.245	ug/L	98
31) Carbon tetrachloride	5.13	117	1249	0.258	ug/L	98
33) Benzene	5.39	78	3602	0.276	ug/L	100
34) Trichloroethene	6.19	95	902	0.267	ug/L	91
35) Methylcyclohexane	6.42	83	1562	0.276	ug/L #	92
37) 1,2-Dichloropropane	6.44	63	911	0.238	ug/L #	90
38) Bromodichloromethane	6.76	83	1201	0.262	ug/L #	95
39) cis-1,3-Dichloropropene	7.28	75	1440	0.262	ug/L	97
40) 4-Methyl-2-pentanone	7.47	43	7781	2.715	ug/L #	87
42) Toluene	7.64	91	3837	0.273	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	1272	0.275	ug/L	88
45) 1,1,2-Trichloroethane	8.07	97	483	0.209	ug/L	93
47) Tetrachloroethene	8.22	164	702	0.255	ug/L	93
48) 2-Hexanone	8.37	43	6016	2.954	ug/L	96
49) Dibromochloromethane	8.48	129	625	0.212	ug/L	96
50) 1,2-Dibromoethane	8.59	107	514	0.229	ug/L #	86
51) Chlorobenzene	9.12	112	2485	0.287	ug/L	98
52) Ethylbenzene	9.25	91	4094	0.251	ug/L	92
53) m,p-xylene	9.37	106	1516	0.263	ug/L	95
54) o-xylene	9.78	106	1380	0.245	ug/L	91
55) Styrene	9.80	104	2439	0.255	ug/L	94
56) Isopropylbenzene	10.17	105	4042	0.259	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.46	83	721	0.237	ug/L #	80
59) 1,2,3-Trichloropropane	11.49	75	3081	1.276	ug/L	92
61) Bromoform	9.97	173	319	0.192	ug/L #	37
62) 1,3-Dichlorobenzene	11.42	146	1726	0.249	ug/L	92
63) 1,4-Dichlorobenzene	11.51	146	1912	0.273	ug/L	91
65) 1,2-Dichlorobenzene	11.88	146	1688	0.259	ug/L #	85
67) 1,3,5-Trichlorobenzene	12.89	180	1495	0.269	ug/L #	95
68) 1,2,4-trichlorobenzene	13.51	180	1323	0.274	ug/L #	84
69) Naphthalene	13.75	128	1673	0.213	ug/L #	81
70) 1,2,3-Trichlorobenzene	13.99	180	1023	0.230	ug/L #	90

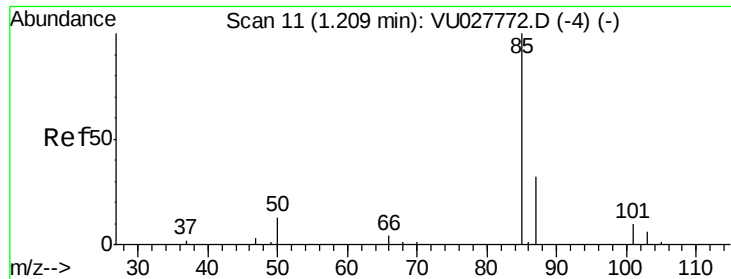
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.280 ug/L

RT: 1.21 min Scan# 11

Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

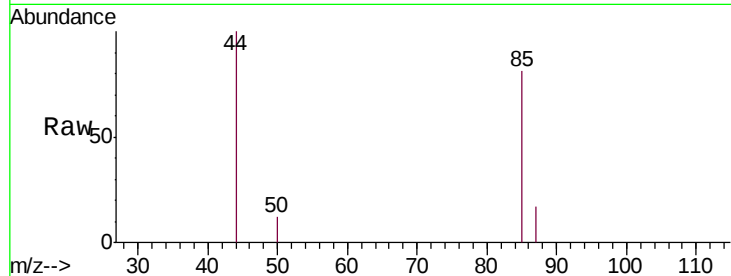
MDL05

Tgt Ion: 85 Resp: 1125

Ion Ratio Lower Upper

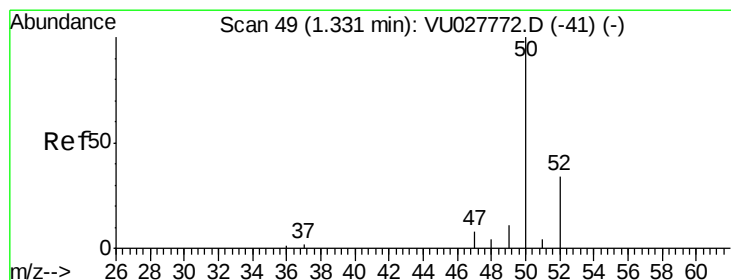
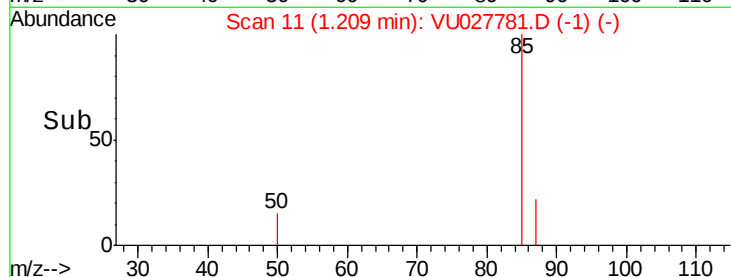
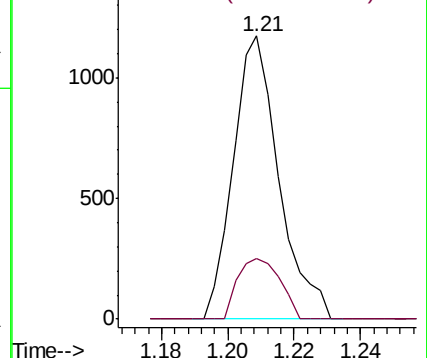
85 100

87 19.8 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: 0.285 ug/L

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027781.D

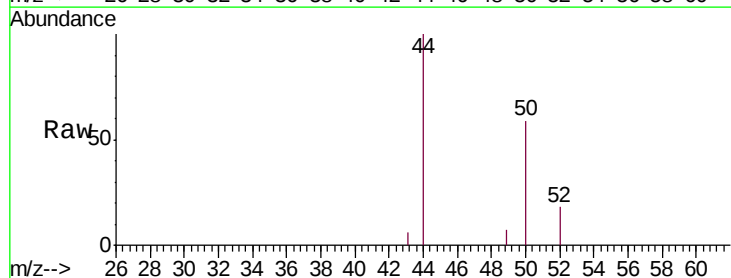
Acq: 24 Oct 2018 13:23

Tgt Ion: 50 Resp: 1290

Ion Ratio Lower Upper

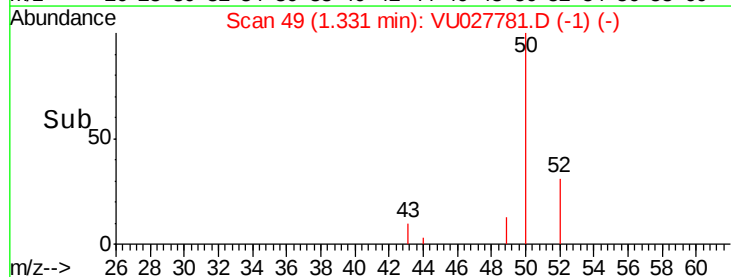
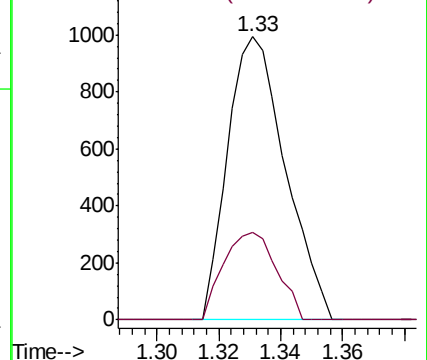
50 100

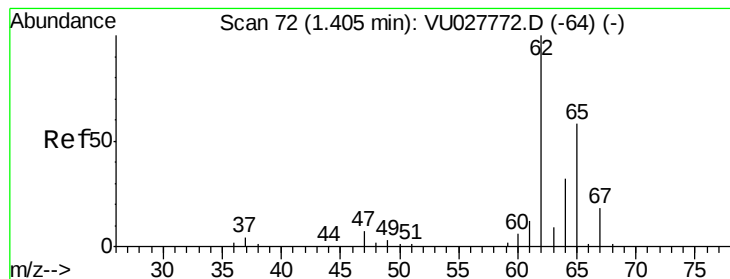
52 31.1 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.245 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

ClientSampled :

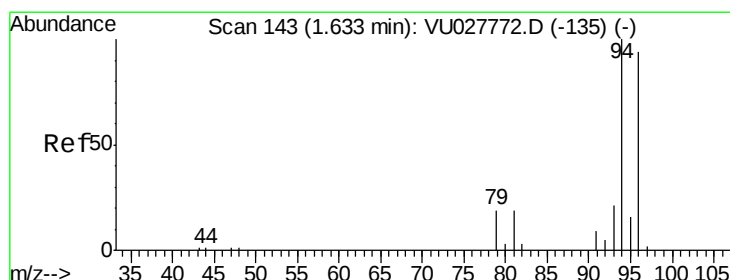
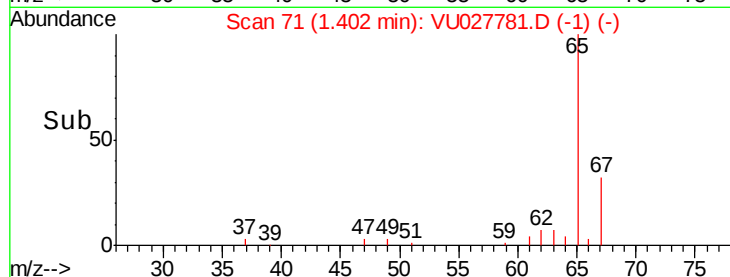
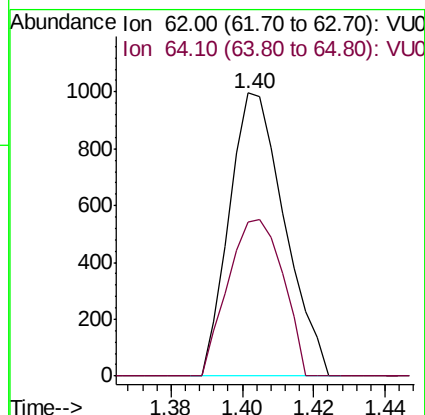
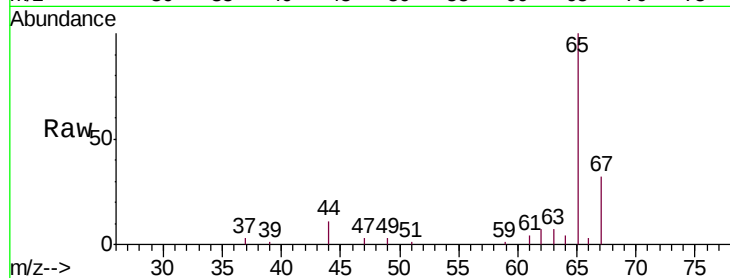
MDL05

Tgt Ion: 62 Resp: 1067

Ion Ratio Lower Upper

62 100

64 54.3 22.7 42.1#



#6

Bromomethane

Concen: 0.272 ug/L

RT: 1.63 min Scan# 143

Delta R.T. -0.00 min

Lab File: VU027781.D

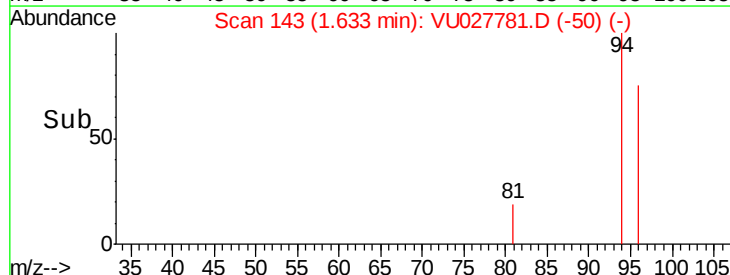
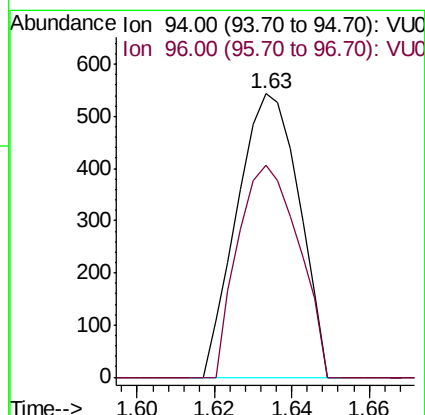
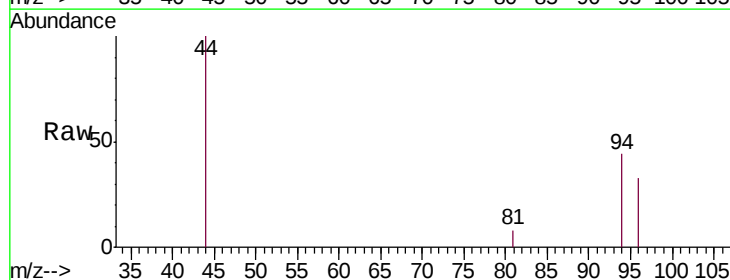
Acq: 24 Oct 2018 13:23

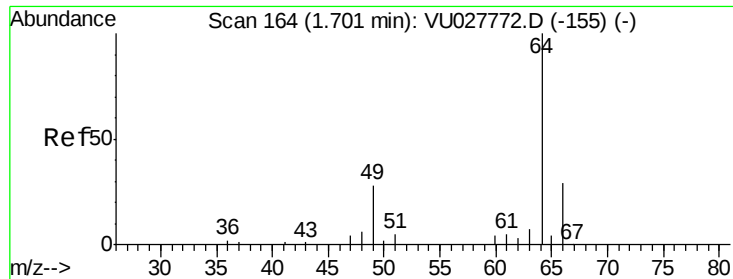
Tgt Ion: 94 Resp: 606

Ion Ratio Lower Upper

94 100

96 75.0 65.5 121.7

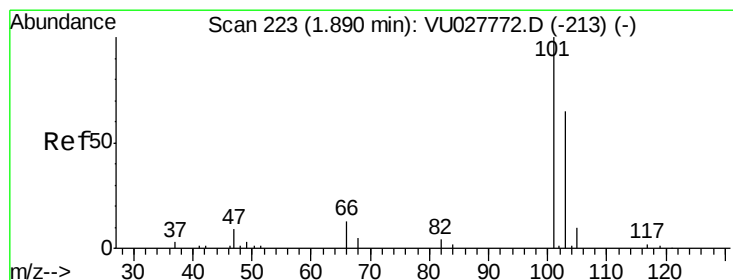
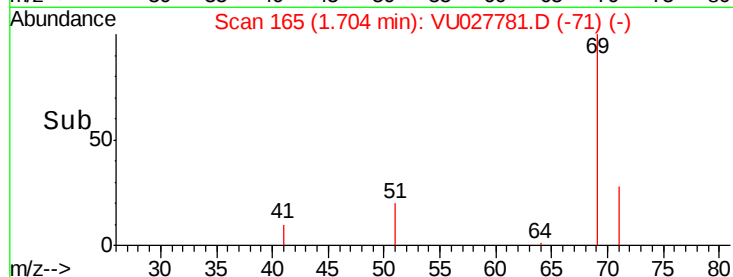
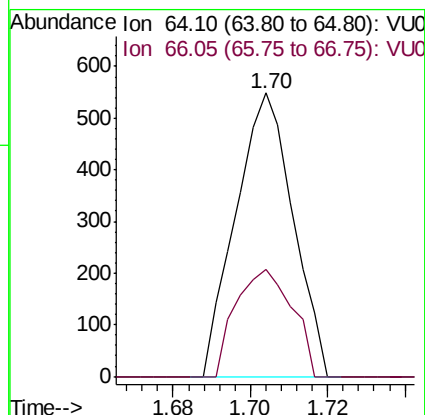
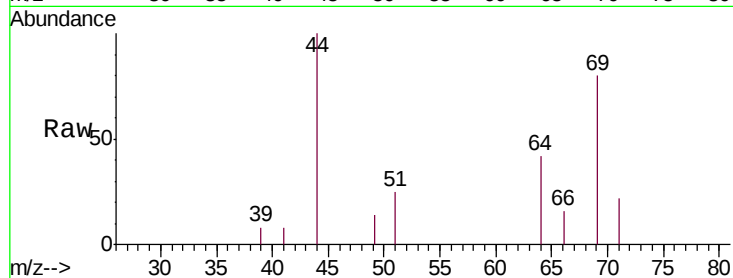




#8
Chloroethane
Concen: 0.240 ug/L
RT: 1.70 min Scan# 165
Delta R.T. 0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

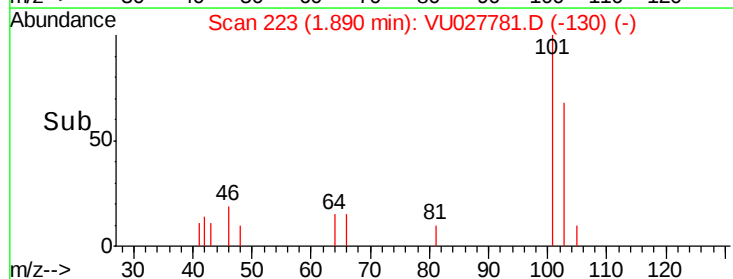
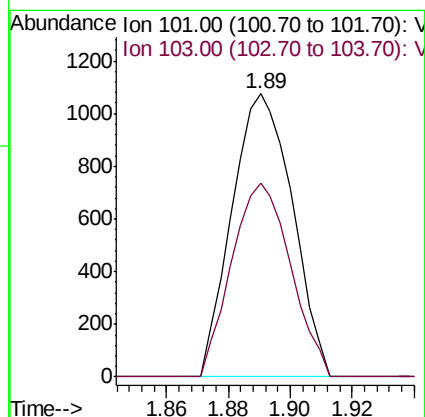
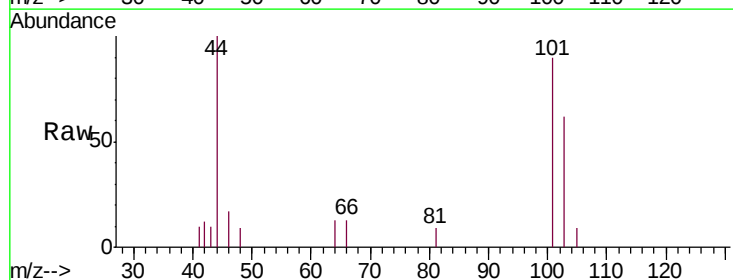
Instrument :
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MDL05

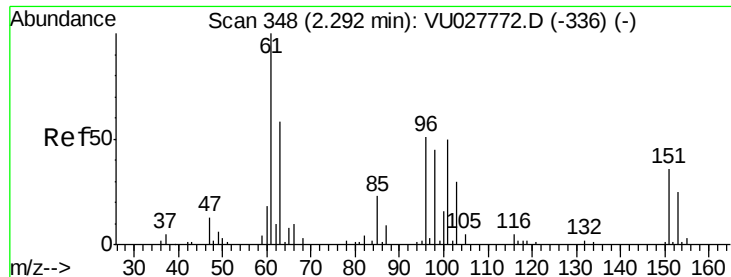
Tgt Ion: 64 Resp: 564
Ion Ratio Lower Upper
64 100
66 38.0 20.3 37.7#



#9
Trichlorofluoromethane
Concen: 0.254 ug/L
RT: 1.89 min Scan# 223
Delta R.T. -0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

Tgt Ion: 101 Resp: 1463
Ion Ratio Lower Upper
101 100
103 66.8 51.0 76.4





#10

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

Concen: 0.308 ug/L

RT: 2.29 min Scan# 348

Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

MDL05

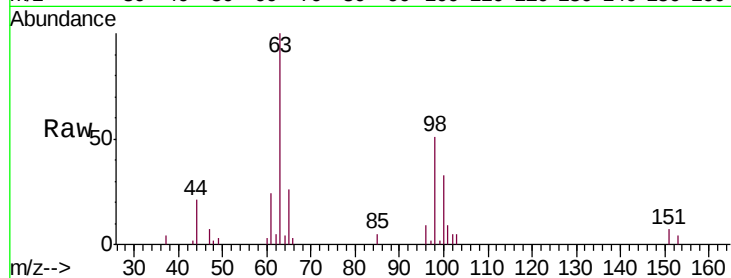
Tgt Ion: 101 Resp: 894

Ion Ratio Lower Upper

101 100

85 38.9 38.1 57.1

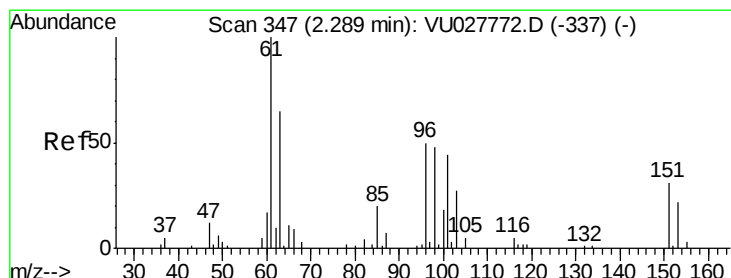
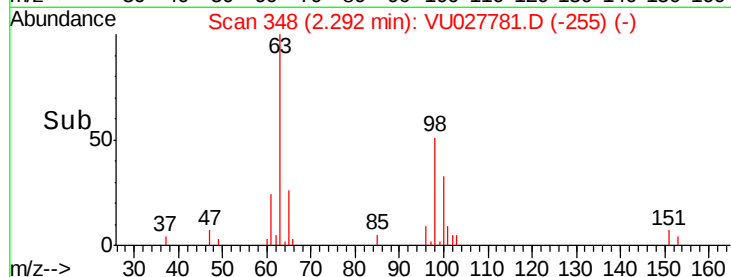
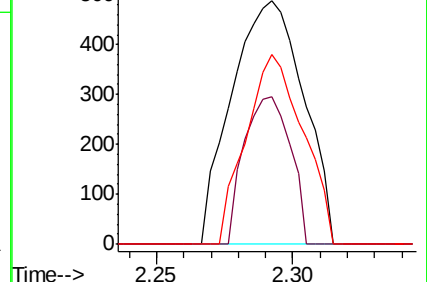
151 61.6 57.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.313 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

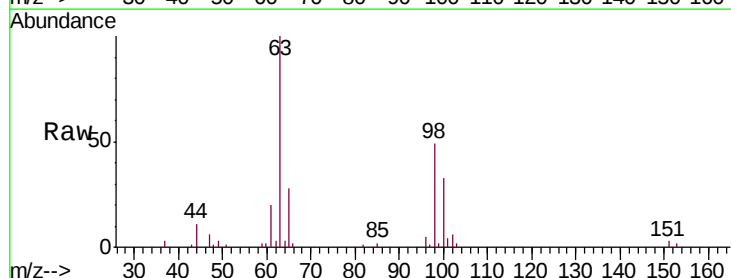
Tgt Ion: 96 Resp: 847

Ion Ratio Lower Upper

96 100

61 408.5 143.8 267.0#

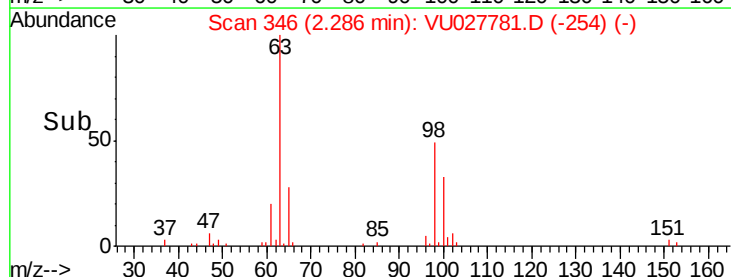
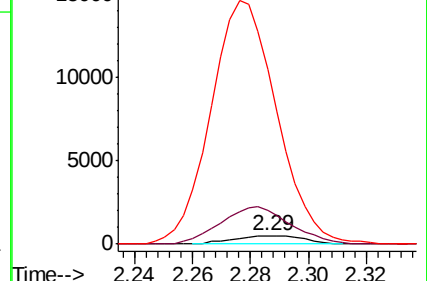
63 2071.2 105.1 195.3#

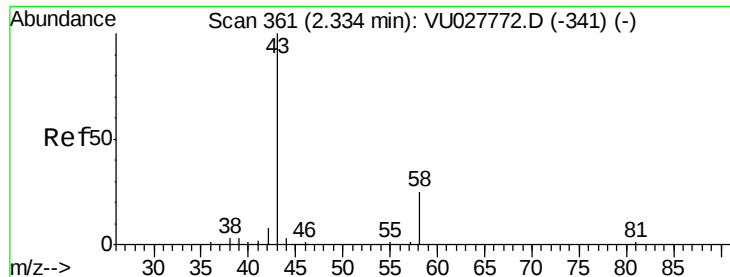


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.529 ug/L

RT: 2.36 min Scan# 369

Delta R.T. 0.03 min

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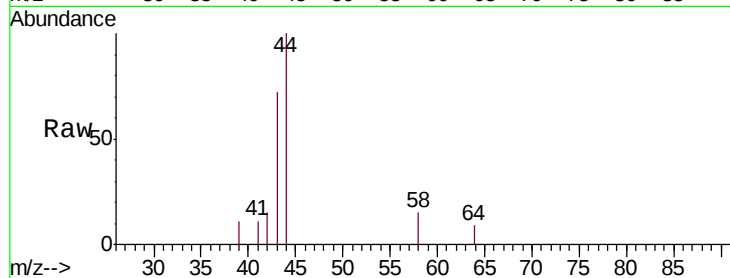
MDL05

Tgt Ion: 43 Resp: 1875

Ion Ratio Lower Upper

43 100

58 25.8 0.0 52.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.36

800

600

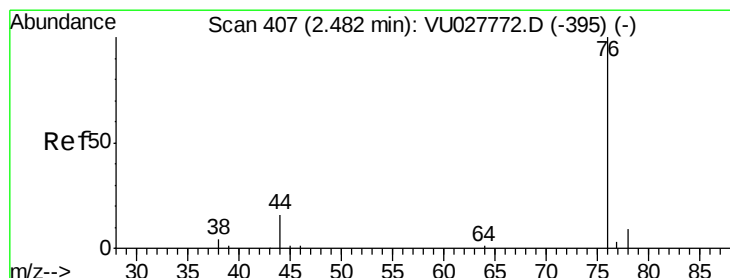
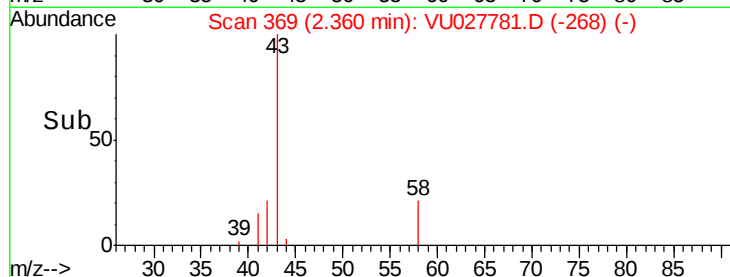
400

200

0

2.30 2.35 2.40

Time-->



#14

Carbon disulfide

Concen: 0.265 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027781.D

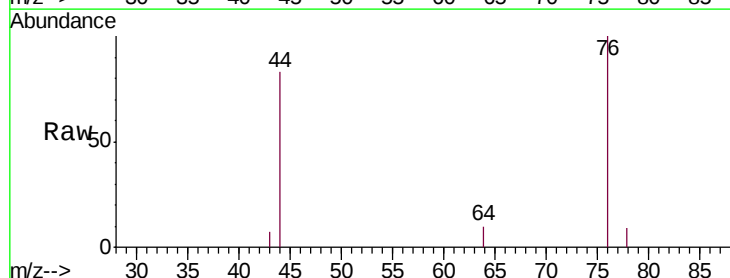
Acq: 24 Oct 2018 13:23

Tgt Ion: 76 Resp: 2459

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

1500

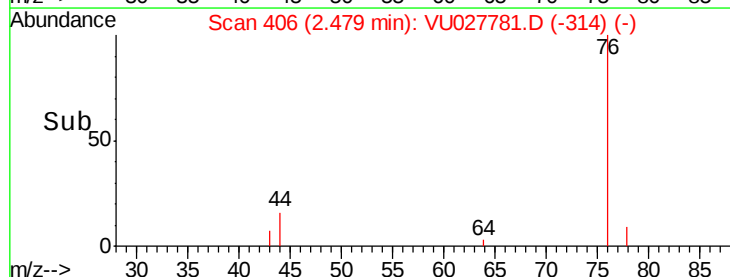
1000

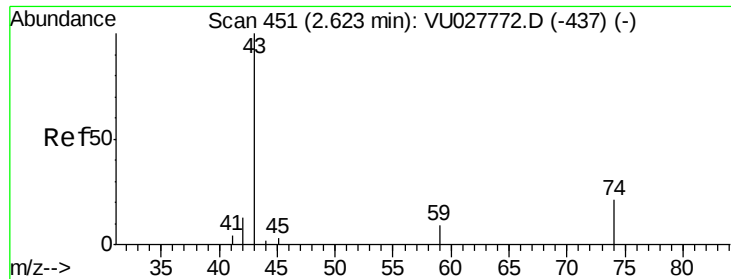
500

0

2.45 2.50

Time-->





#15

Methyl Acetate

Concen: 0.386 ug/L

RT: 2.63 min Scan# 454

Delta R.T. 0.01 min

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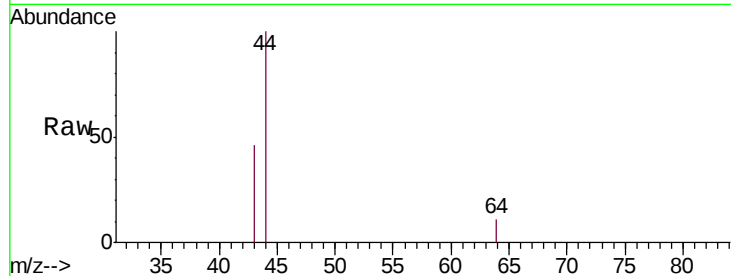
MDL05

Tgt Ion: 43 Resp: 801

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

2.63

500

400

300

200

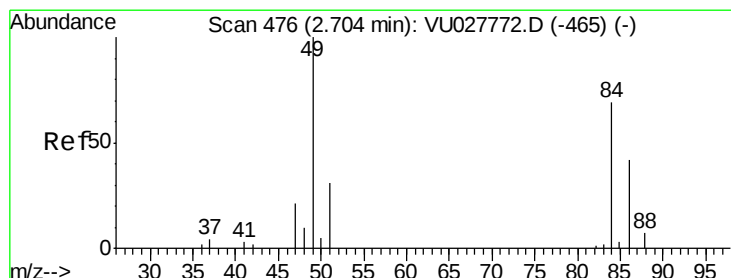
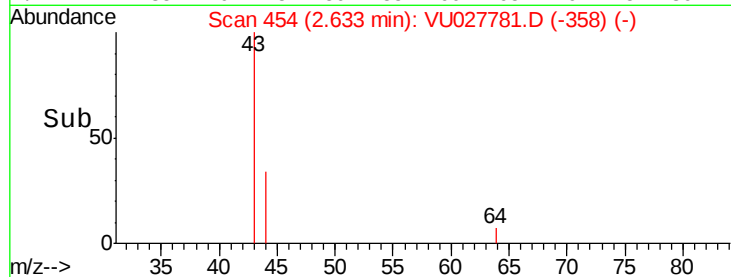
100

0

Time-->

2.60

2.65



#16

Methylene chloride

Concen: 0.405 ug/L

RT: 2.70 min Scan# 476

Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

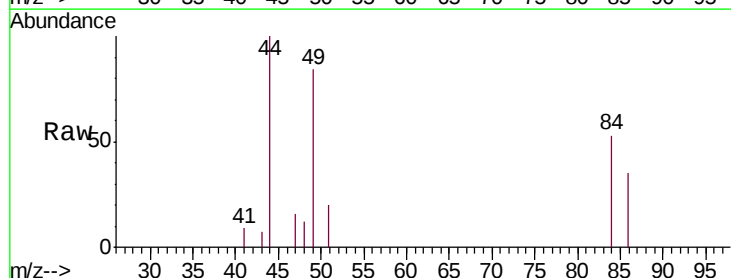
Tgt Ion: 84 Resp: 1291

Ion Ratio Lower Upper

84 100

86 66.7 42.8 79.4

49 159.0 101.4 188.4



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

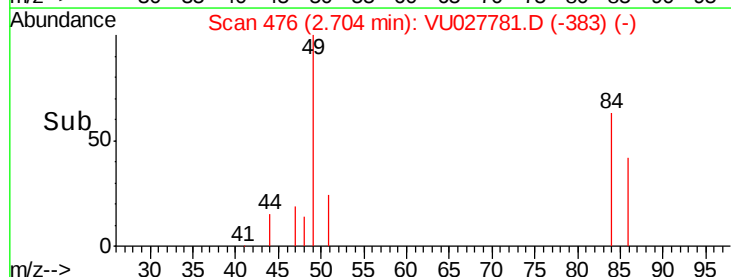
0

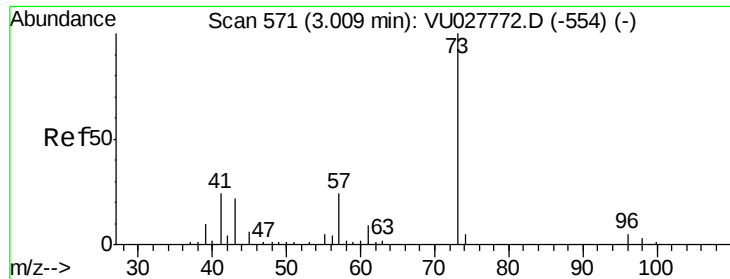
Time-->

2.65

2.70

2.75





#17

Methyl tert-butyl Ether

Concen: 0.253 ug/L

RT: 3.01 min Scan# 571

Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

MDL05

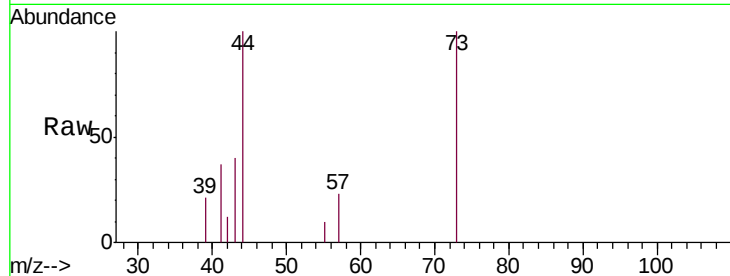
Tgt Ion: 73 Resp: 2194

Ion Ratio Lower Upper

73 100

43 44.8 18.6 28.0#

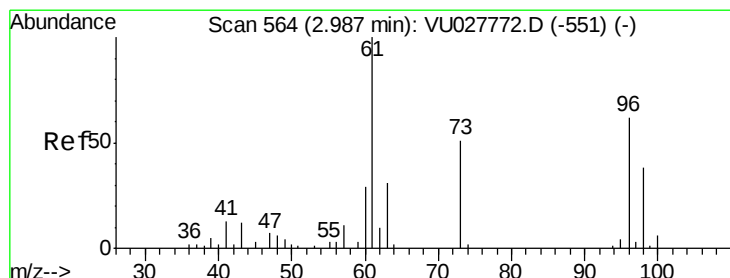
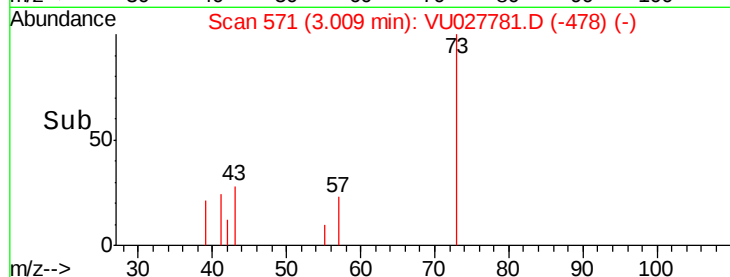
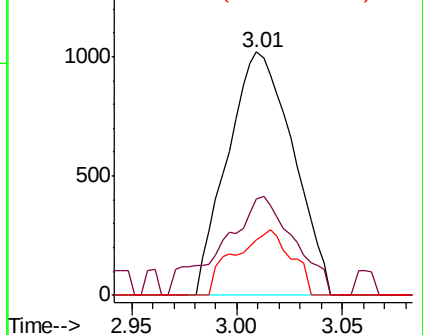
57 23.2 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0



#18

trans-1,2-Dichloroethene

Concen: 0.267 ug/L

RT: 2.99 min Scan# 564

Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

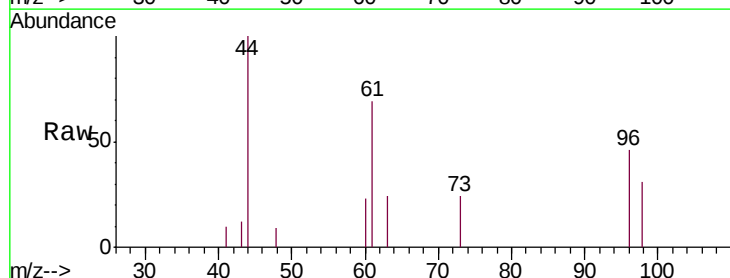
Tgt Ion: 96 Resp: 774

Ion Ratio Lower Upper

96 100

61 149.0 112.1 208.3

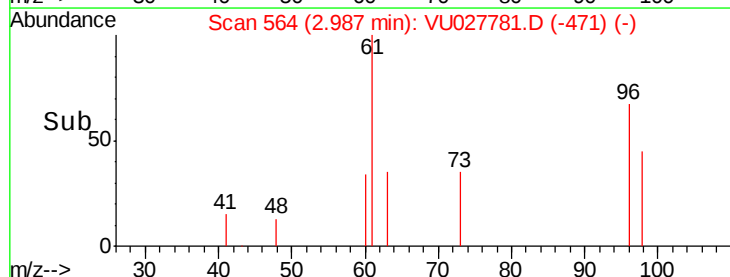
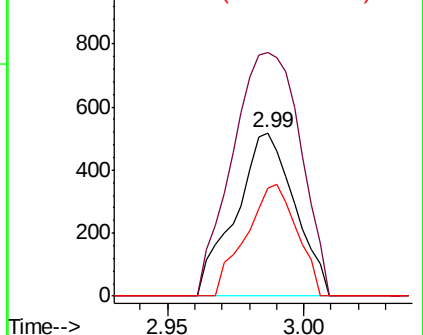
98 66.4 42.1 78.3

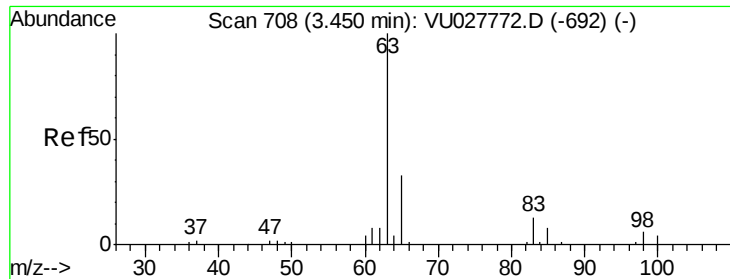


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0

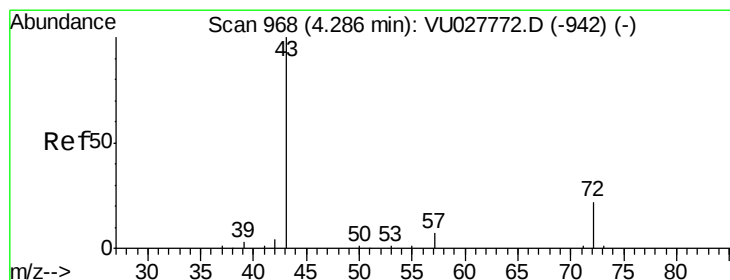
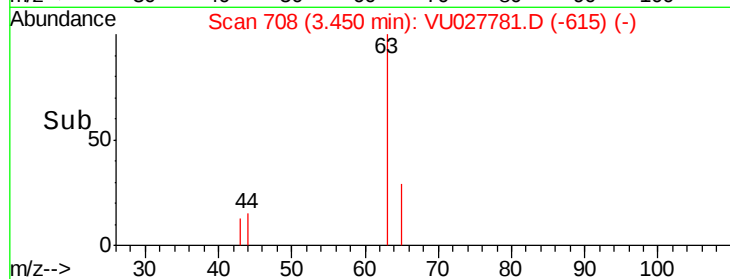
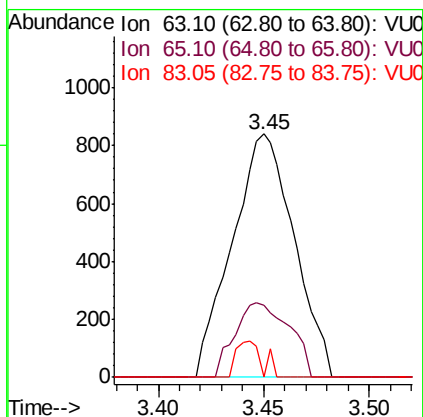
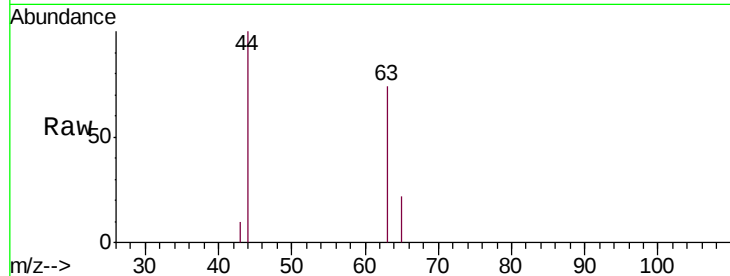




#19
 1,1-Dichloroethane
 Concen: 0.267 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VU027781.D
 Acq: 24 Oct 2018 13:23

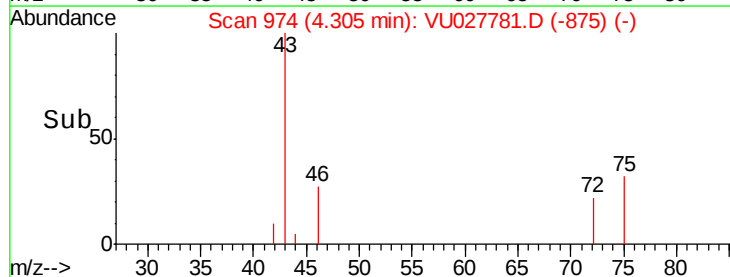
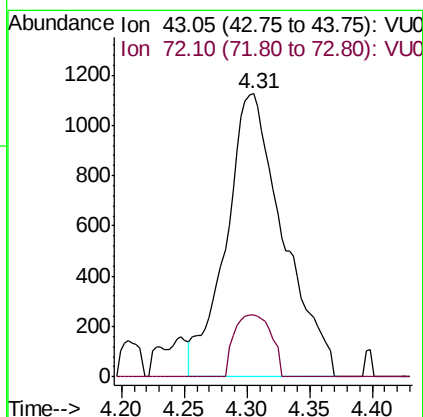
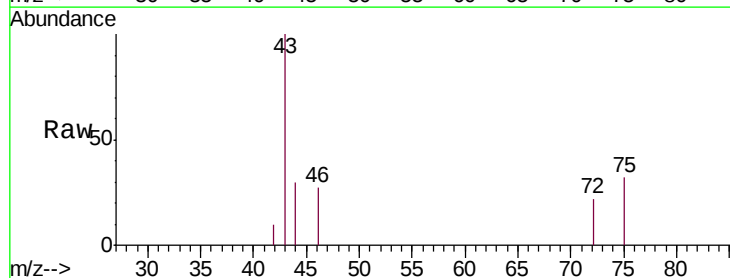
Instrument :
 MSVOA_U
 ClientSampled :
 MDL05

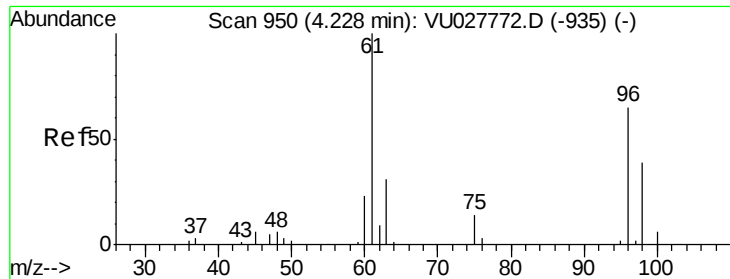
Tgt Ion: 63 Resp: 1711
 Ion Ratio Lower Upper
 63 100
 65 29.5 23.1 42.9
 83 0.0 9.2 17.0#



#21
 2-Butanone
 Concen: 2.925 ug/L
 RT: 4.31 min Scan# 974
 Delta R.T. 0.02 min
 Lab File: VU027781.D
 Acq: 24 Oct 2018 13:23

Tgt Ion: 43 Resp: 3558
 Ion Ratio Lower Upper
 43 100
 72 14.1 10.5 31.6



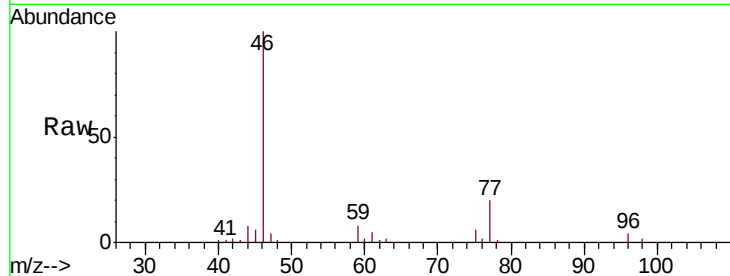


#22

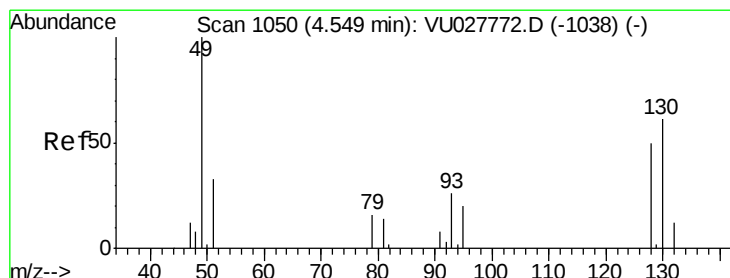
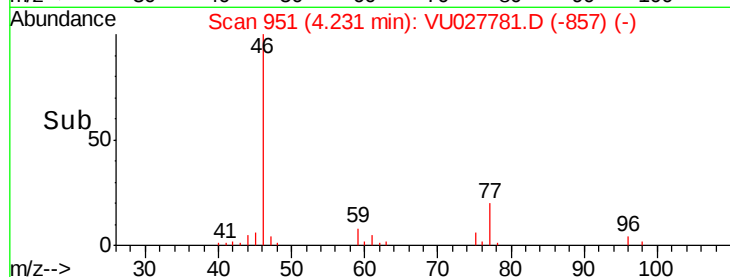
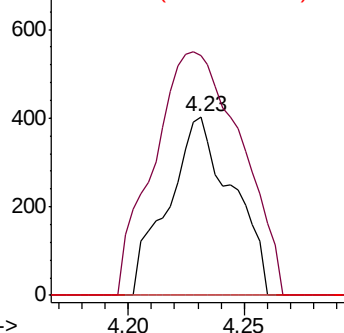
cis-1,2-Dichloroethene
Concen: 0.227 ug/L
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion: 96 Resp: 780
Ion Ratio Lower Upper
96 100
61 134.5 107.2 199.0
68 0.0 0.0 0.0



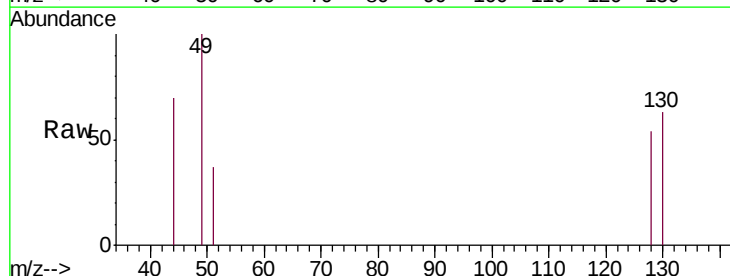
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



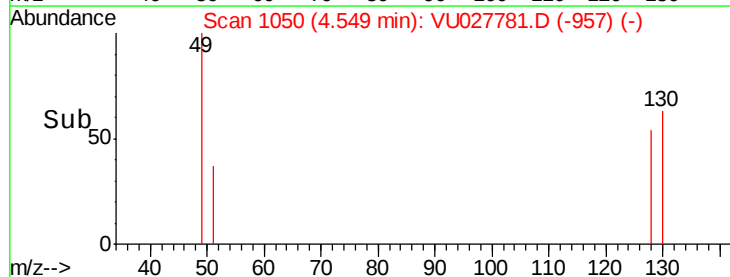
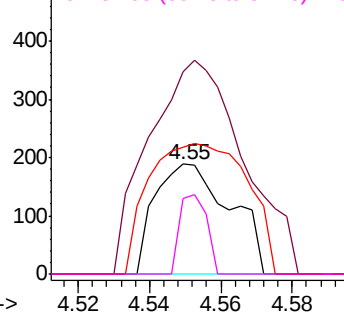
#23

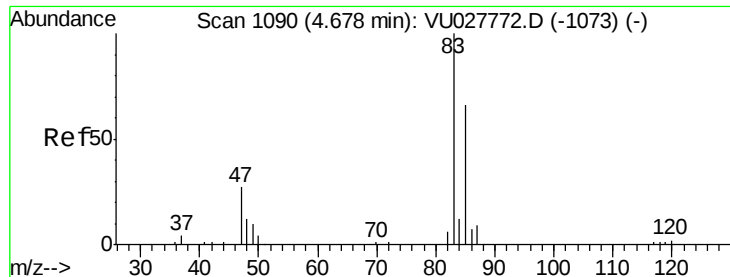
Bromochloromethane
Concen: 0.197 ug/L
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

Tgt Ion: 128 Resp: 275
Ion Ratio Lower Upper
128 100
49 184.1 142.8 265.2
130 115.3 86.0 159.8
51 68.3 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

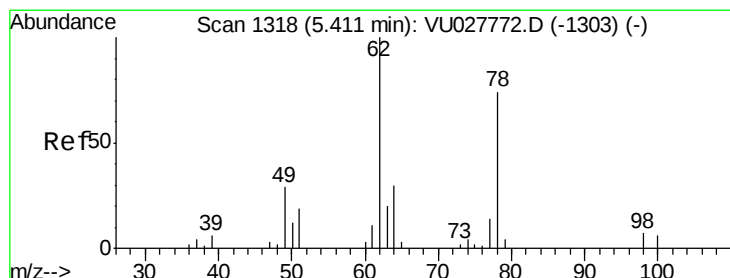
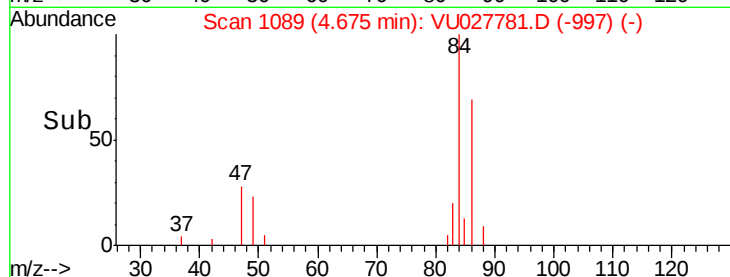
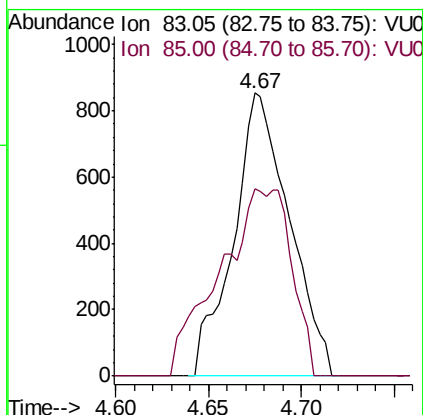
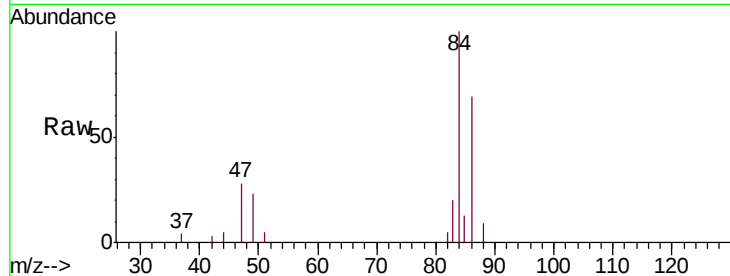




#25
Chloroform
Concen: 0.278 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

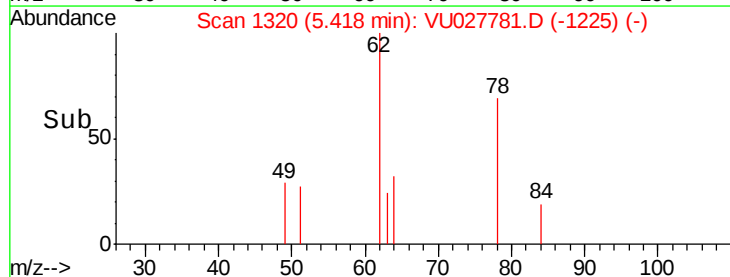
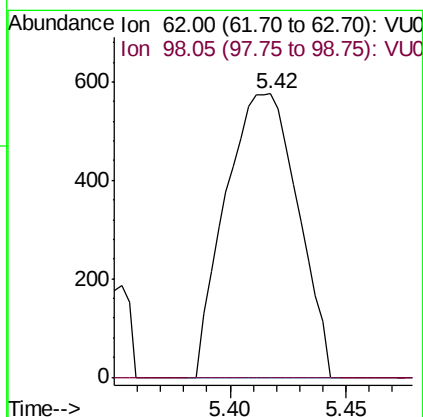
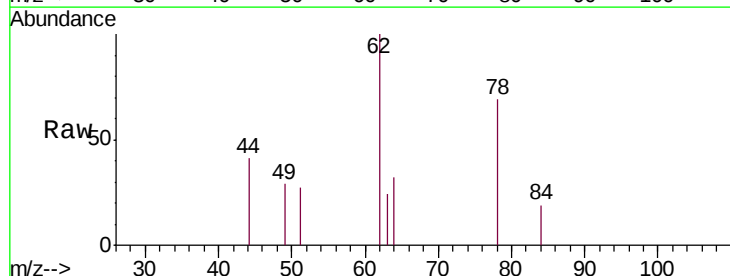
Instrument :
MSVOA_U
ClientSampleId :
MDL05

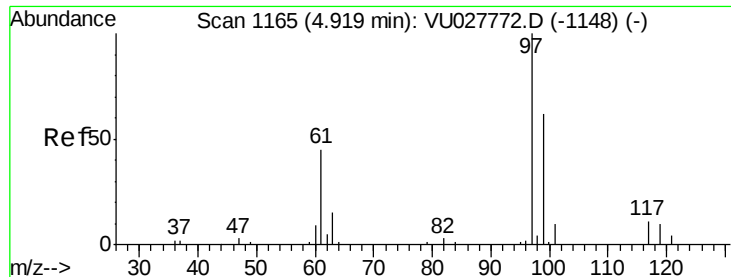
Tgt Ion: 83 Resp: 1792
Ion Ratio Lower Upper
83 100
85 66.1 45.8 85.2



#27
1,2-Dichloroethane
Concen: 0.261 ug/L
RT: 5.42 min Scan# 1320
Delta R.T. 0.01 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

Tgt Ion: 62 Resp: 1245
Ion Ratio Lower Upper
62 100
98 0.0 5.7 8.5#

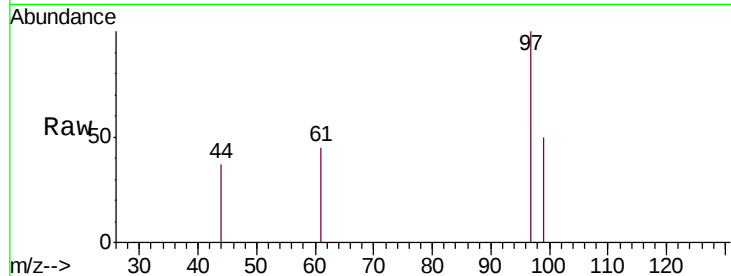




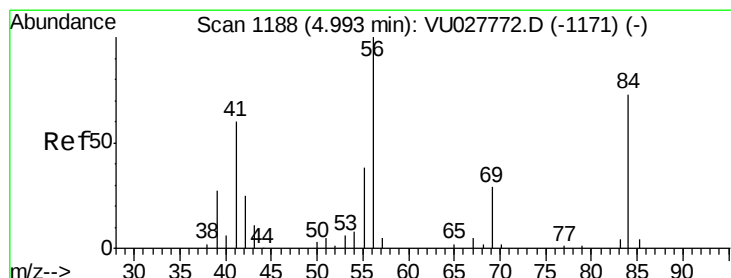
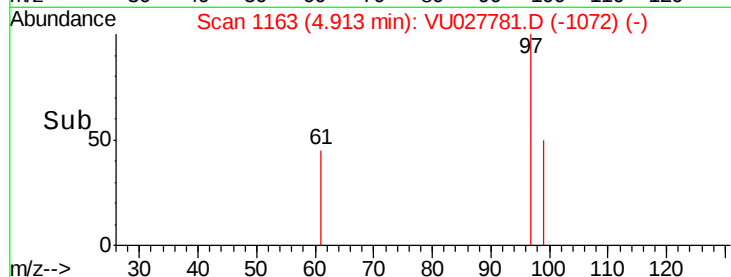
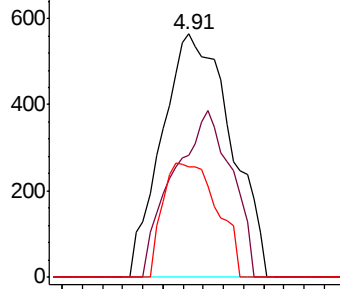
#29
 1,1,1-Trichloroethane
 Concen: 0.237 ug/L
 RT: 4.91 min Scan# 1163
 Delta R.T. -0.01 min
 Lab File: VU027781.D
 Acq: 24 Oct 2018 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tgt Ion: 97 Resp: 1340
 Ion Ratio Lower Upper
 97 100
 99 57.9 51.3 76.9
 61 37.3 36.7 55.1

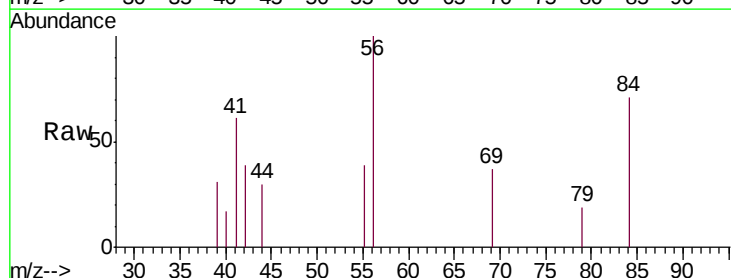


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

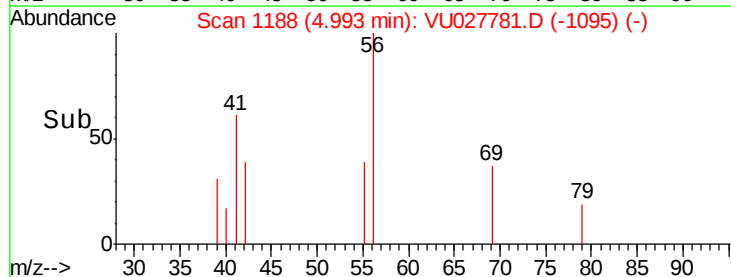
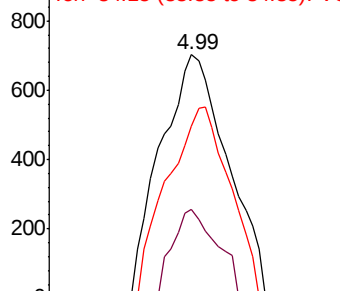


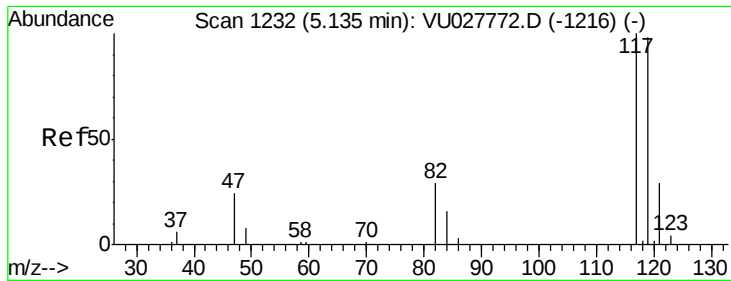
#30
 Cyclohexane
 Concen: 0.245 ug/L
 RT: 4.99 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU027781.D
 Acq: 24 Oct 2018 13:23

Tgt Ion: 56 Resp: 1550
 Ion Ratio Lower Upper
 56 100
 69 24.2 22.2 33.4
 84 73.4 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

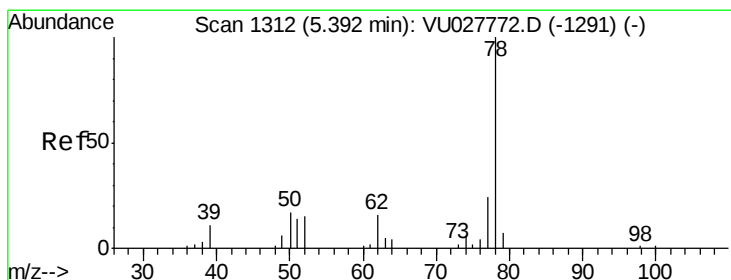
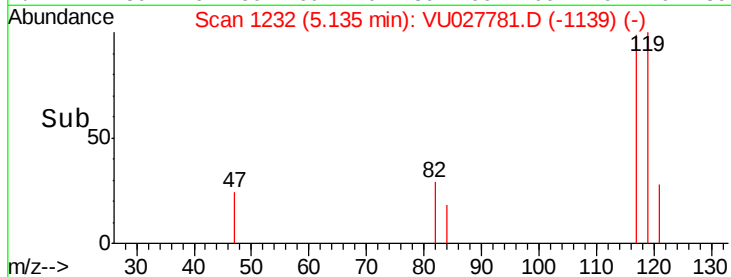
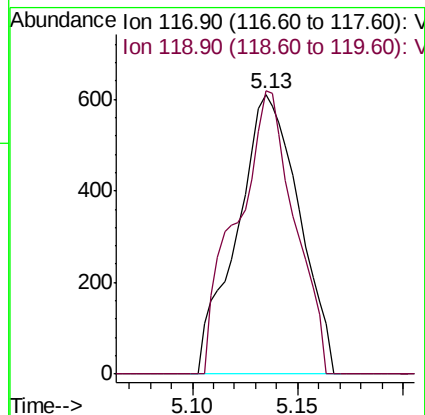
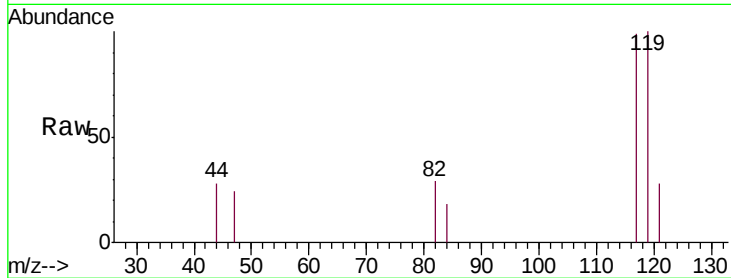




#31
Carbon tetrachloride
Concen: 0.258 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

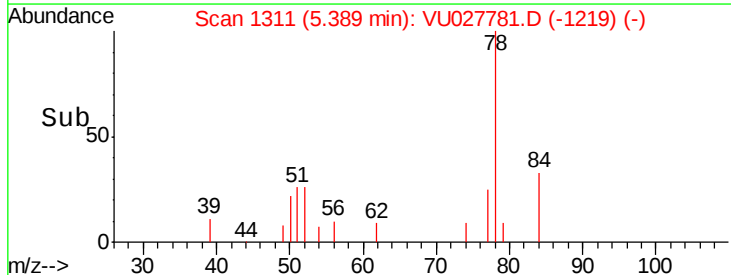
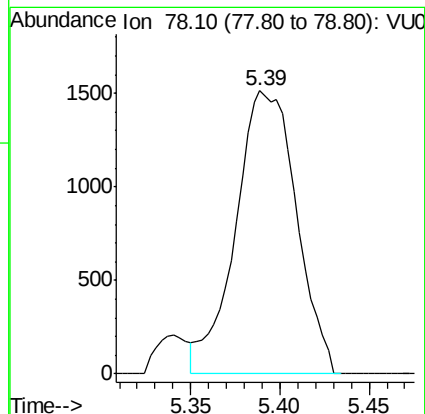
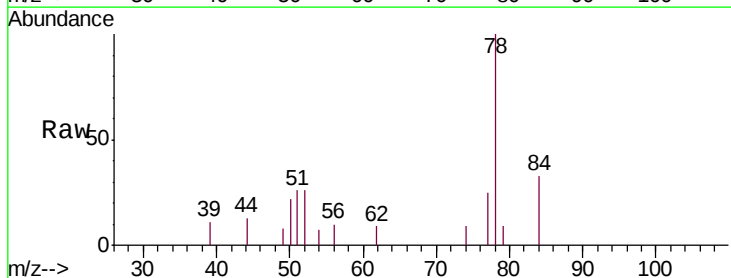
Instrument :
MSVOA_U
ClientSampleId :
MDL05

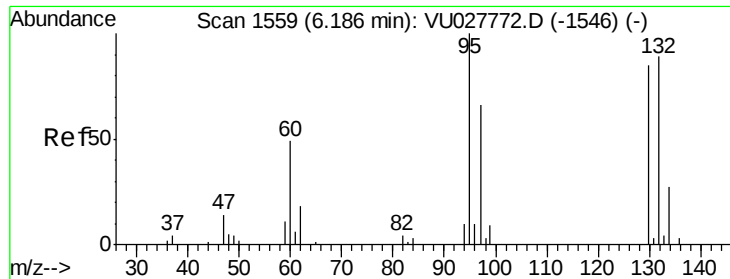
Tgt Ion:117 Resp: 1249
Ion Ratio Lower Upper
117 100
119 94.2 77.0 115.6



#33
Benzene
Concen: 0.276 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

Tgt Ion: 78 Resp: 3602





#34

Trichloroethene

Concen: 0.267 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tgt Ion: 95 Resp: 902

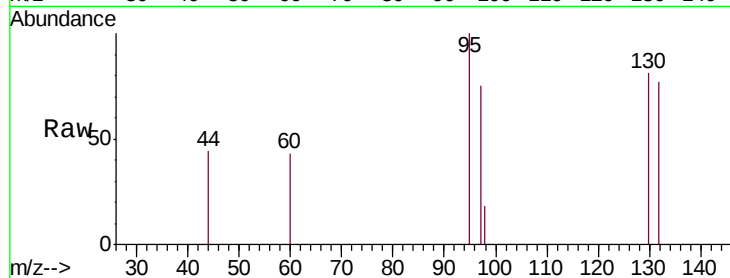
Ion Ratio Lower Upper

95 100

97 75.0 46.4 86.2

132 76.7 62.0 115.2

130 81.1 59.5 110.5

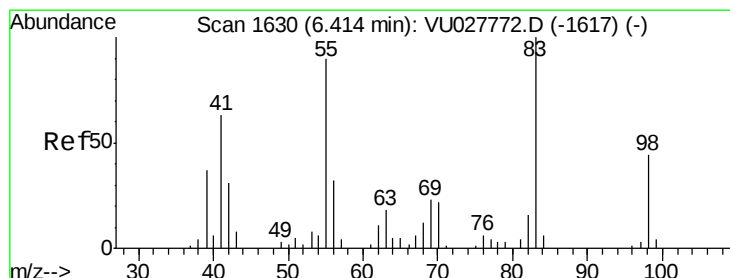
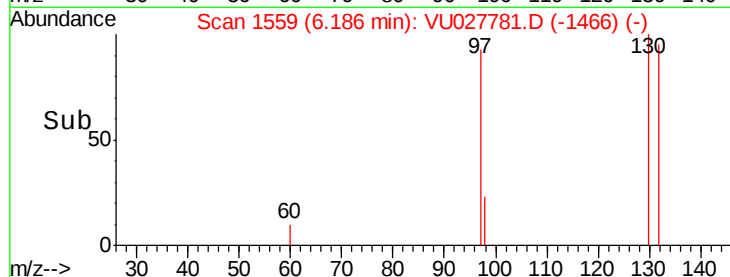
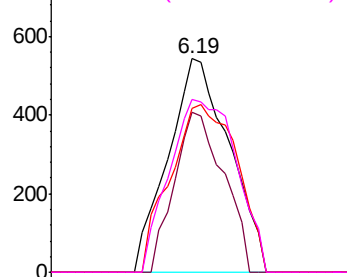


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.276 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

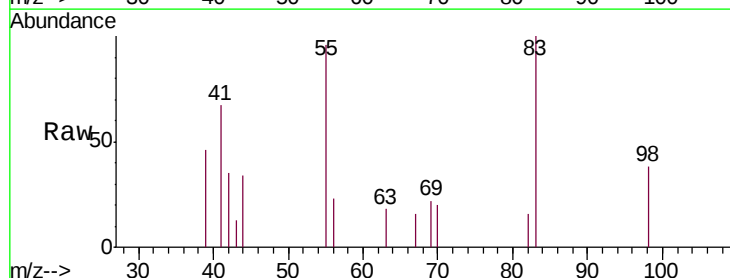
Tgt Ion: 83 Resp: 1562

Ion Ratio Lower Upper

83 100

55 94.0 71.5 107.3

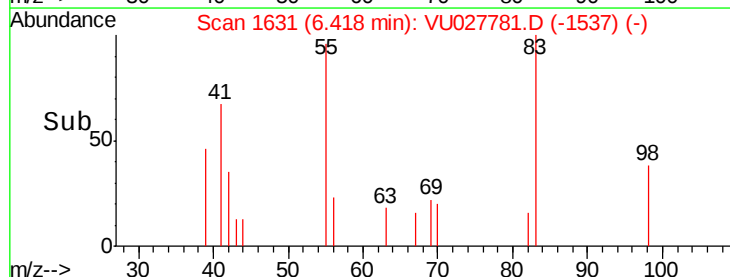
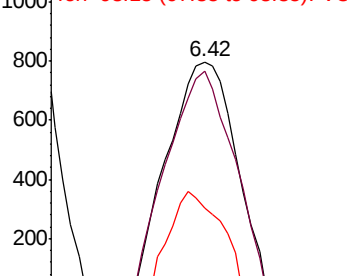
98 34.6 35.4 53.0#

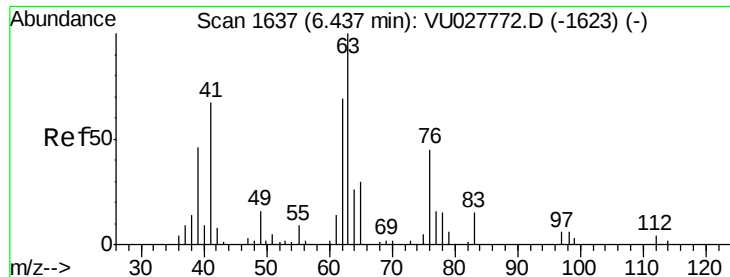


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

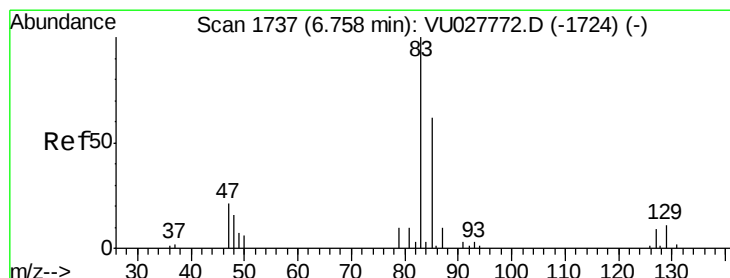
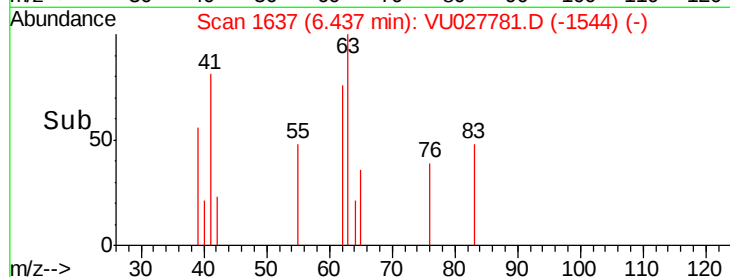
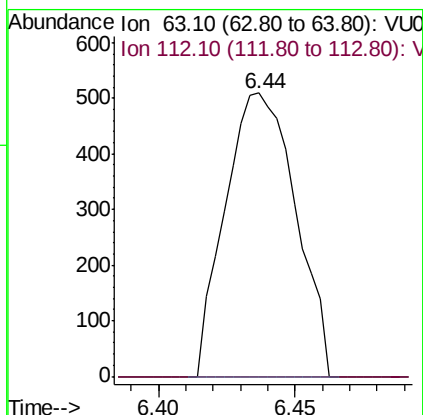
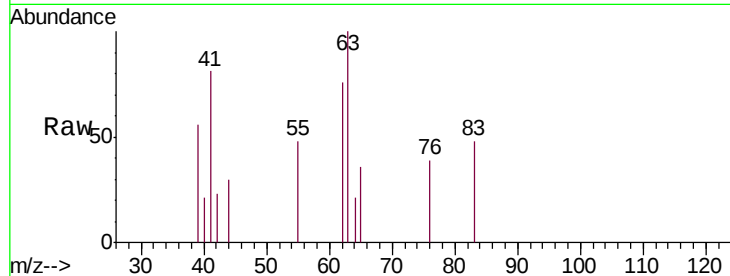




#37
 1,2-Dichloropropane
 Concen: 0.238 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VU027781.D
 Acq: 24 Oct 2018 13:23

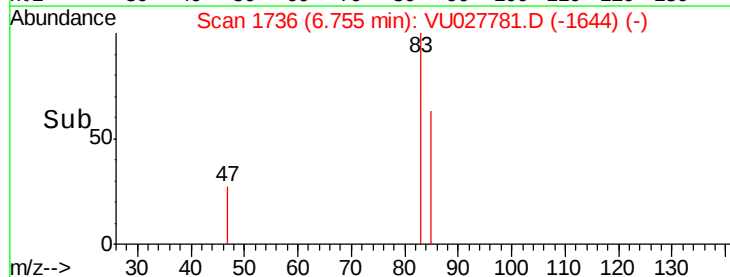
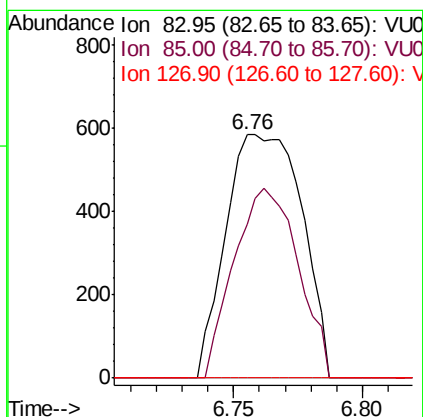
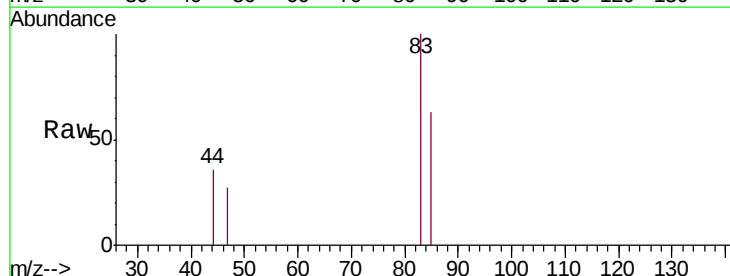
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

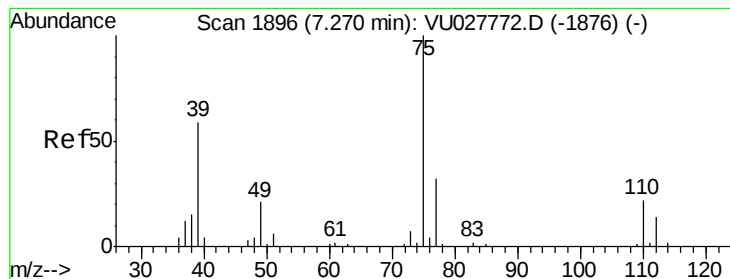
Tgt Ion: 63 Resp: 911
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#38
 Bromodichloromethane
 Concen: 0.262 ug/L
 RT: 6.76 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VU027781.D
 Acq: 24 Oct 2018 13:23

Tgt Ion: 83 Resp: 1201
 Ion Ratio Lower Upper
 83 100
 85 63.4 43.3 80.5
 127 0.0 7.2 10.8#





#39

cis-1,3-Dichloropropene

Concen: 0.262 ug/L

RT: 7.28 min Scan# 1899

Delta R.T. 0.01 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

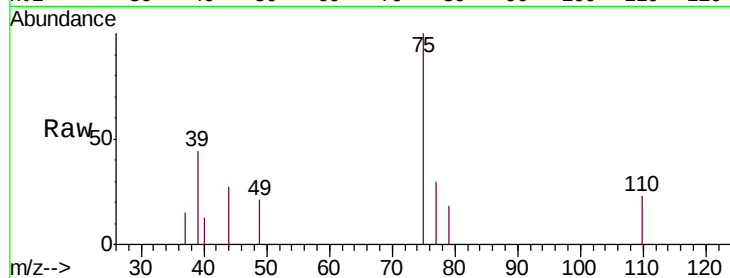
MDL05

Tgt Ion: 75 Resp: 1440

Ion Ratio Lower Upper

75 100

77 30.4 22.5 41.7



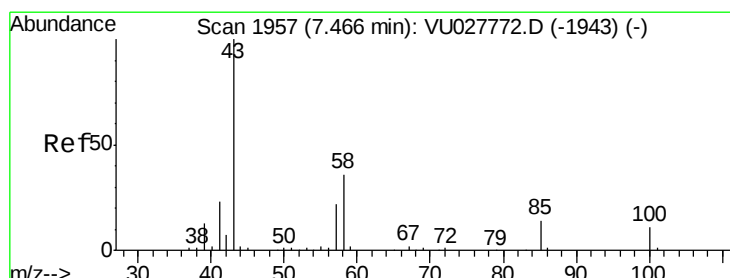
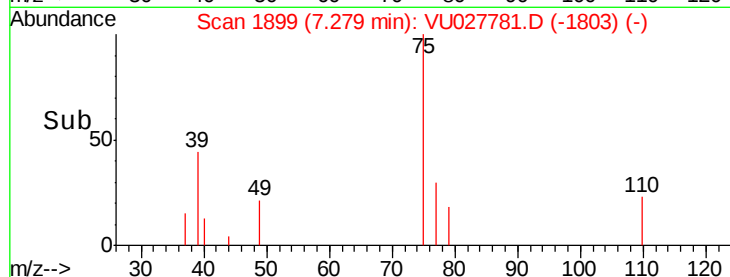
Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.28

7.25 7.30

Time-->



#40

4-Methyl-2-pentanone

Concen: 2.715 ug/L

RT: 7.47 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

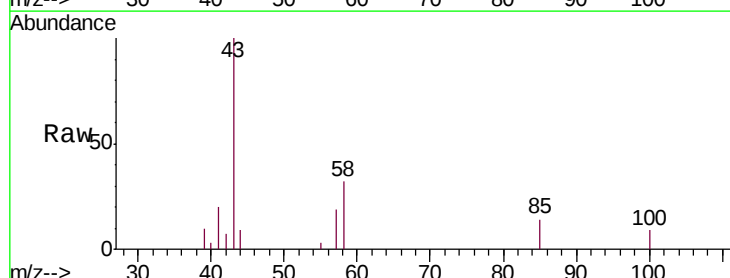
Tgt Ion: 43 Resp: 7781

Ion Ratio Lower Upper

43 100

58 30.7 28.1 42.1

100 0.0 8.7 13.1#



Abundance Ion 43.05 (42.75 to 43.75): VU0

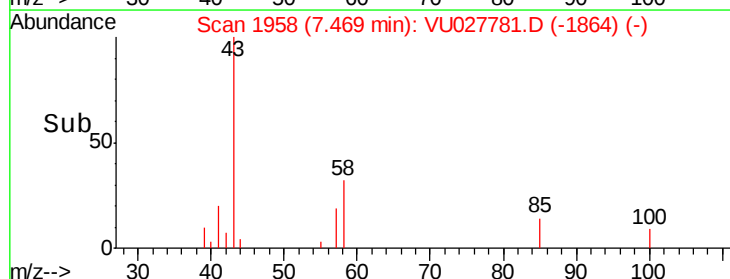
Ion 58.05 (57.75 to 58.75): VU0

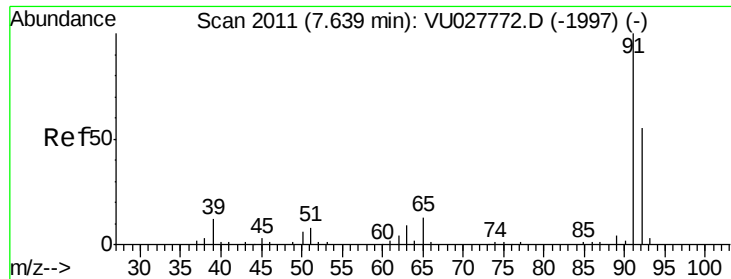
Ion 100.15 (99.85 to 100.85): VU0

7.47

7.40 7.45 7.50 7.55

Time-->





#42

Toluene

Concen: 0.273 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

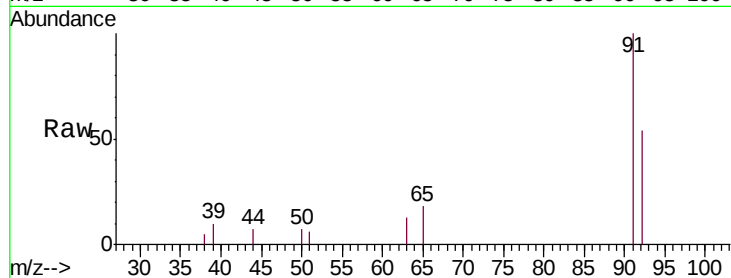
MDL05

Tgt Ion: 91 Resp: 3837

Ion Ratio Lower Upper

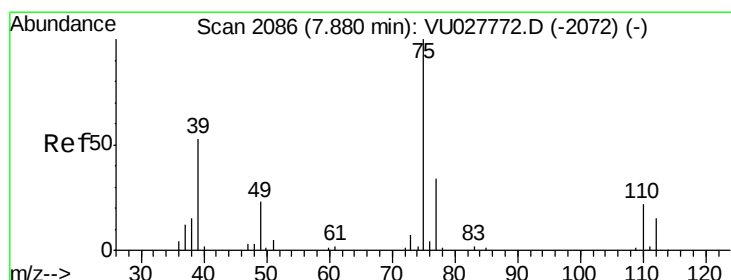
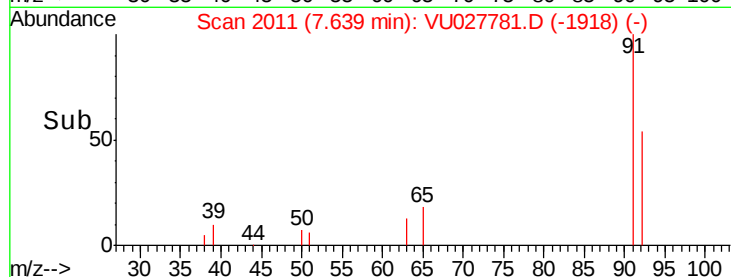
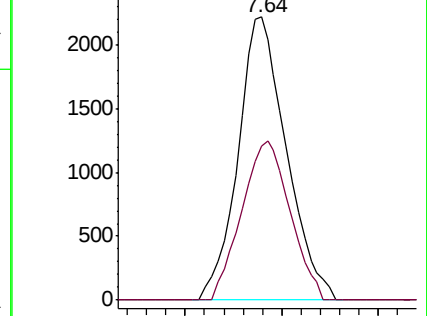
91 100

92 54.3 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: 0.275 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027781.D

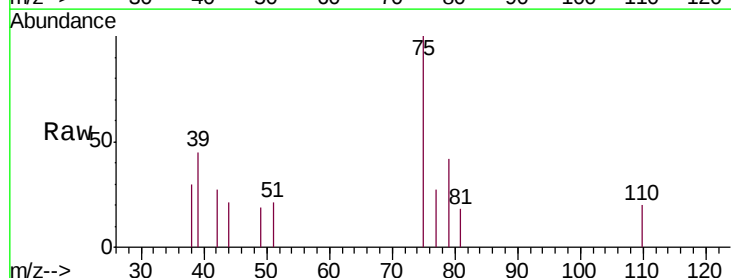
Acq: 24 Oct 2018 13:23

Tgt Ion: 75 Resp: 1272

Ion Ratio Lower Upper

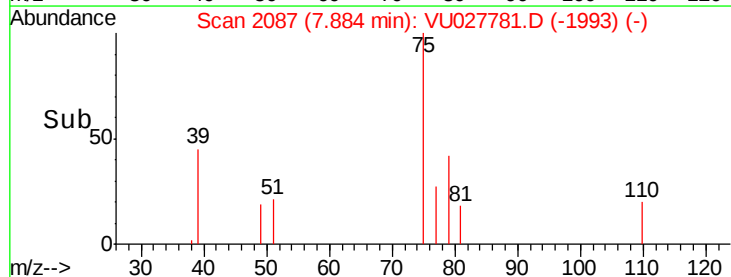
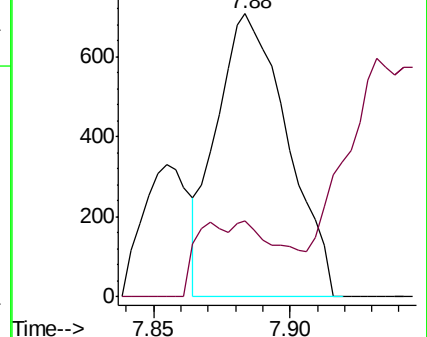
75 100

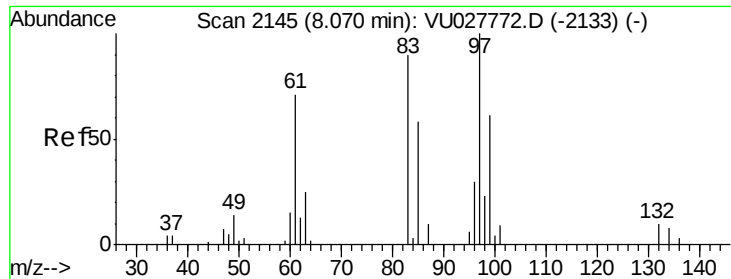
77 27.0 23.5 43.7



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: 0.209 ug/L

RT: 8.07 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tgt Ion: 97 Resp: 483

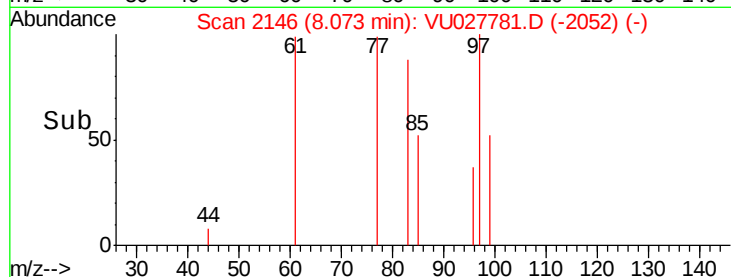
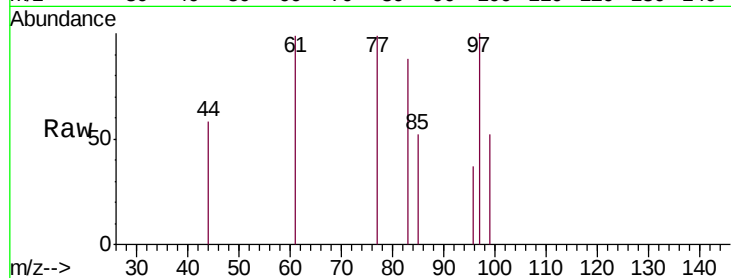
Ion Ratio Lower Upper

97 100

99 52.1 42.8 79.6

83 87.7 62.9 116.9

85 52.5 40.8 75.8

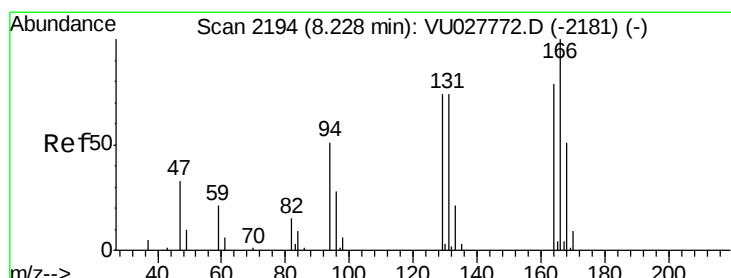
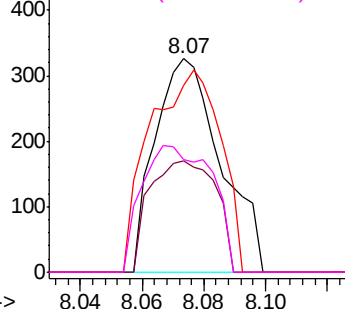


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 0.255 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Tgt Ion: 164 Resp: 702

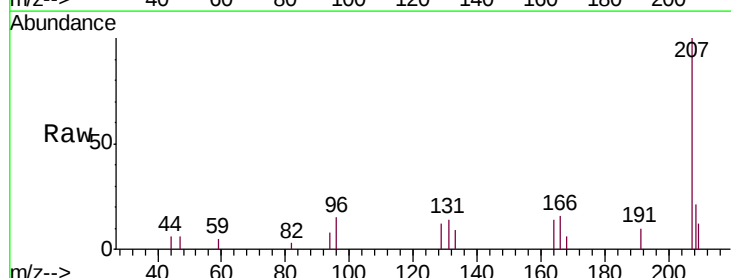
Ion Ratio Lower Upper

164 100

129 86.5 65.6 121.8

131 98.1 65.0 120.8

166 117.8 88.3 164.1

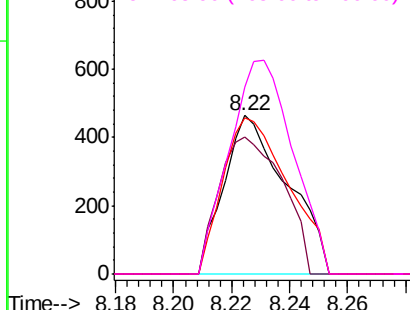
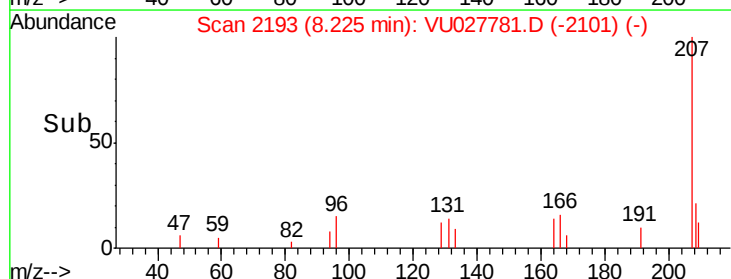


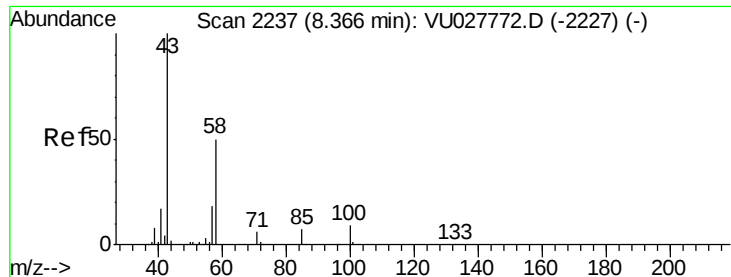
Abundance Ion 163.90 (163.60 to 164.60): V

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

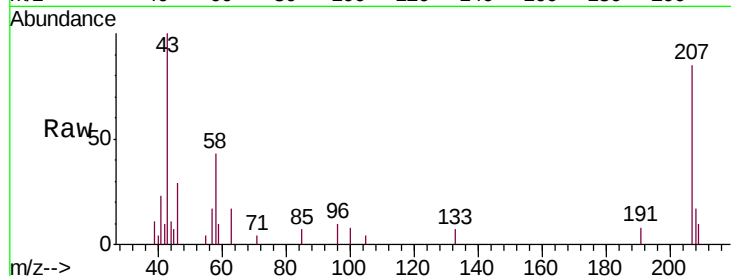




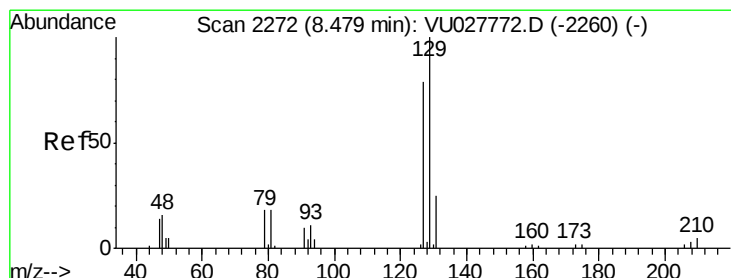
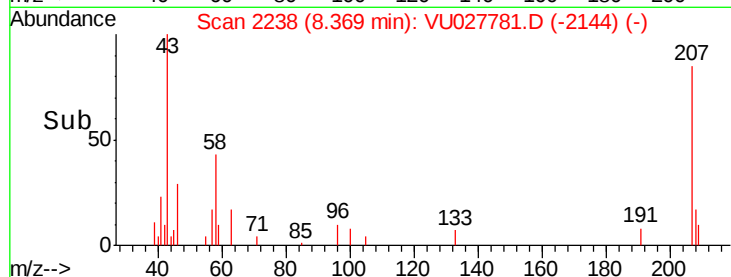
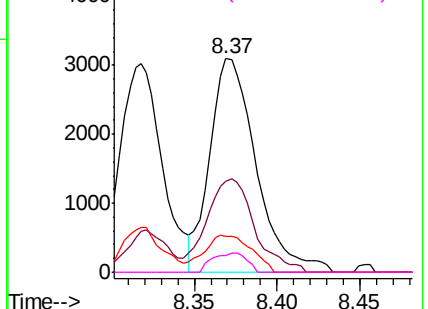
#48
2-Hexanone
Concen: 2.954 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion: 43 Resp: 6016
Ion Ratio Lower Upper
43 100
58 45.7 39.4 59.0
57 17.8 13.8 20.8
100 6.8 6.7 10.1

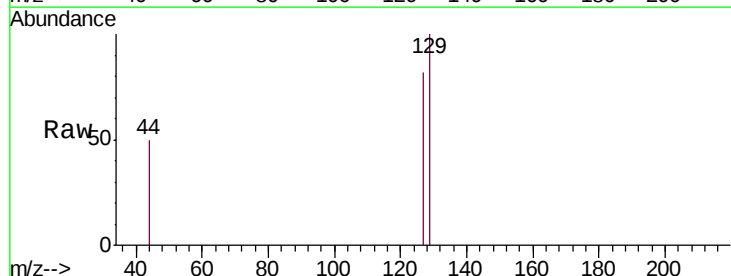


Abundance Ion 43.05 (42.75 to 43.75): VU027781.D (-2144) (-)
Ion 58.05 (57.75 to 58.75): VU027781.D (-2144) (-)
Ion 57.20 (56.90 to 57.90): VU027781.D (-2144) (-)
Ion 100.15 (99.85 to 100.85): VU027781.D (-2144) (-)

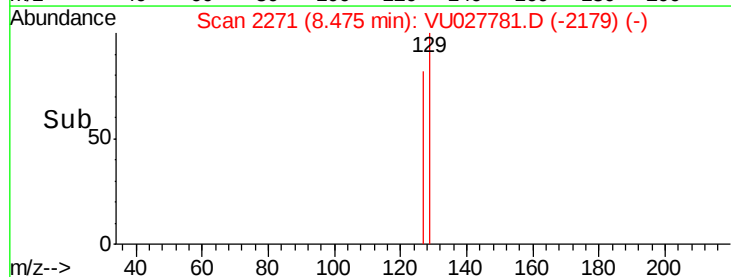
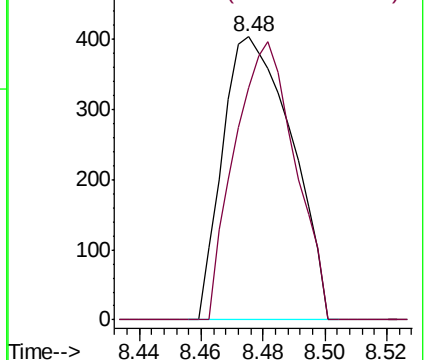


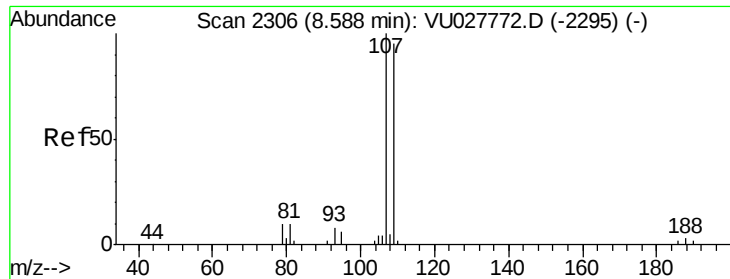
#49
Dibromochloromethane
Concen: 0.212 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

Tgt Ion: 129 Resp: 625
Ion Ratio Lower Upper
129 100
127 82.1 55.2 102.4



Abundance Ion 128.95 (128.65 to 129.65): VU027781.D (-2179) (-)
Ion 126.90 (126.60 to 127.60): VU027781.D (-2179) (-)

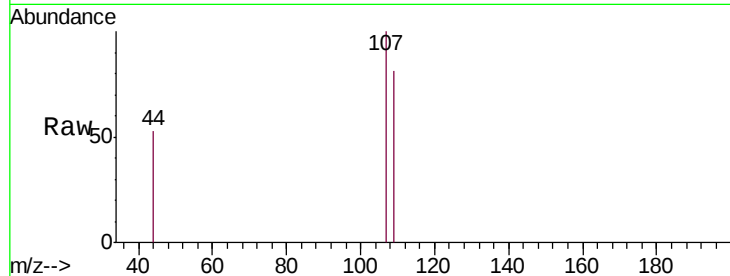




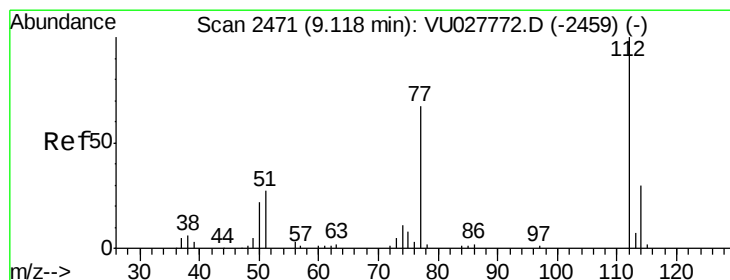
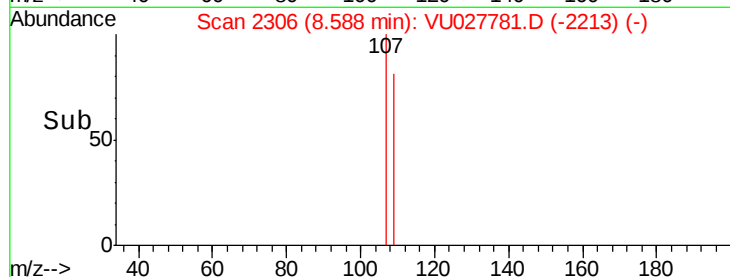
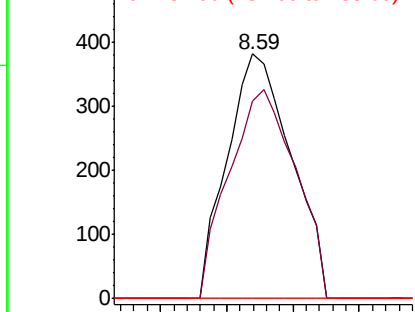
#50
1,2-Dibromoethane
Concen: 0.229 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion:107 Resp: 514
Ion Ratio Lower Upper
107 100
109 80.6 66.3 123.1
188 0.0 2.6 3.8#

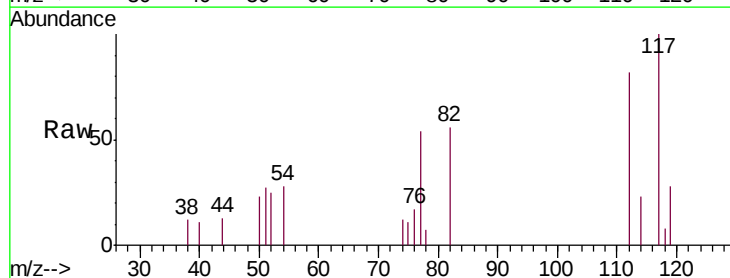


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

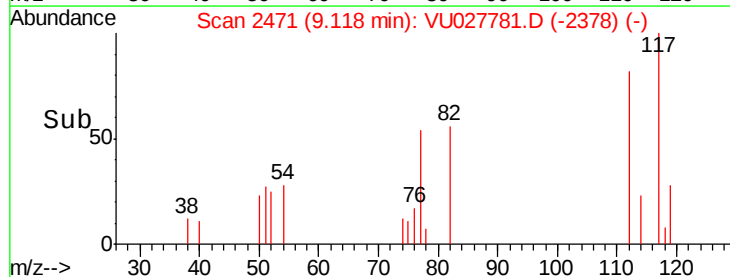
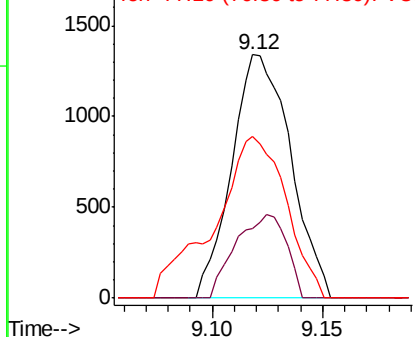


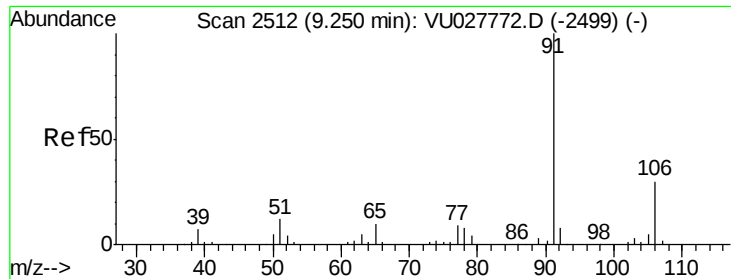
#51
Chlorobenzene
Concen: 0.287 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

Tgt Ion:112 Resp: 2485
Ion Ratio Lower Upper
112 100
114 28.5 21.2 39.4
77 66.4 54.2 81.4



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





#52

Ethylbenzene

Concen: 0.251 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

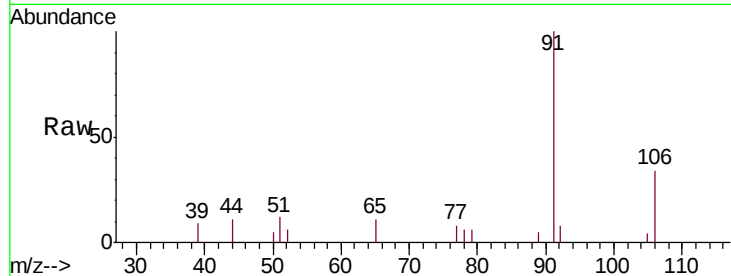
MDL05

Tgt Ion: 91 Resp: 4094

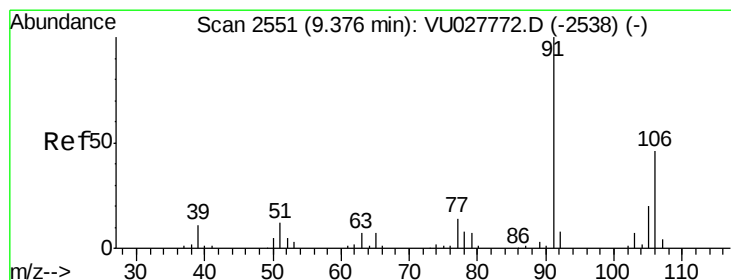
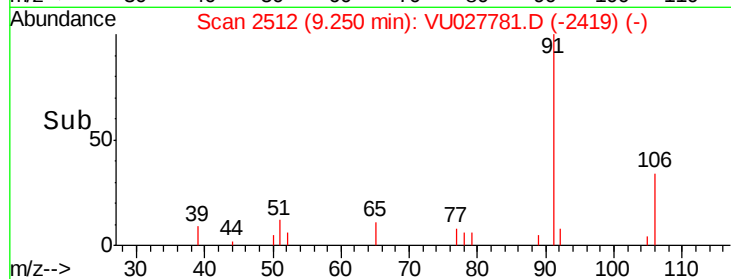
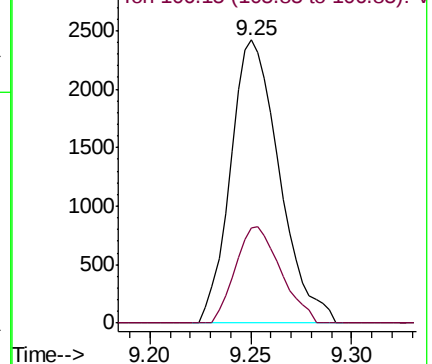
Ion Ratio Lower Upper

91 100

106 33.7 20.6 38.4



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



#53

m,p-xylene

Concen: 0.263 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU027781.D

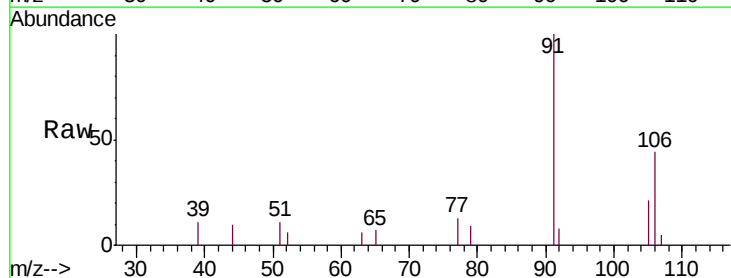
Acq: 24 Oct 2018 13:23

Tgt Ion: 106 Resp: 1516

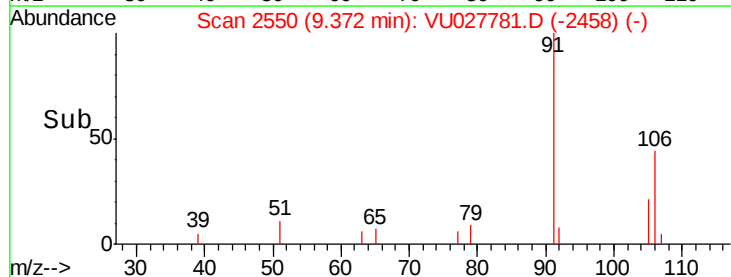
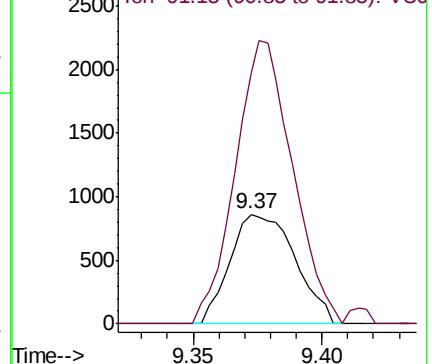
Ion Ratio Lower Upper

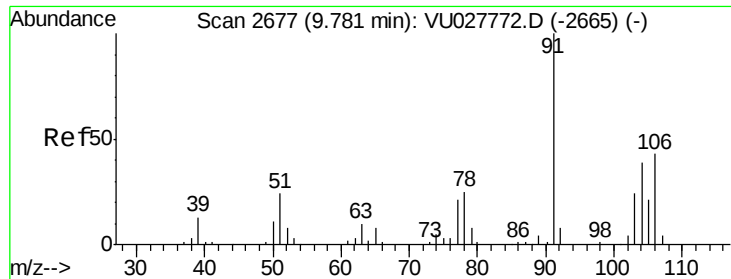
106 100

91 228.9 154.1 286.3



Abundance Ion 106.15 (105.85 to 106.85): VU027772.D (-2538) (-)





#54

o-xylene

Concen: 0.245 ug/L

RT: 9.78 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

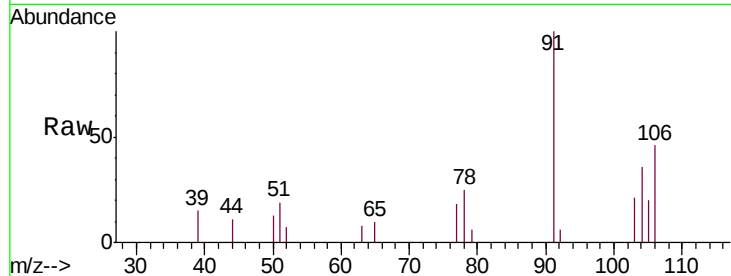
MDL05

Tgt Ion:106 Resp: 1380

Ion Ratio Lower Upper

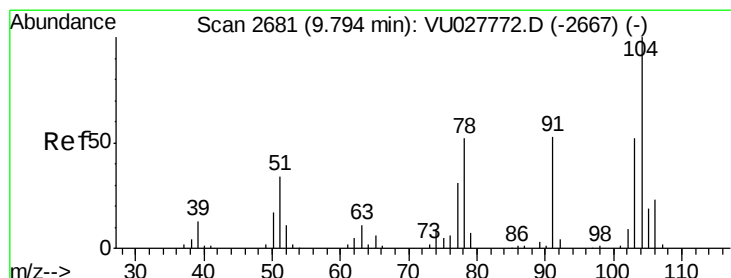
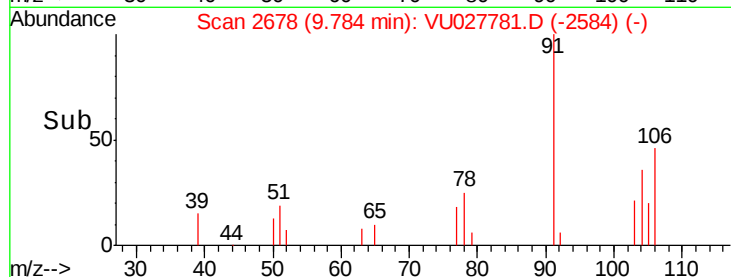
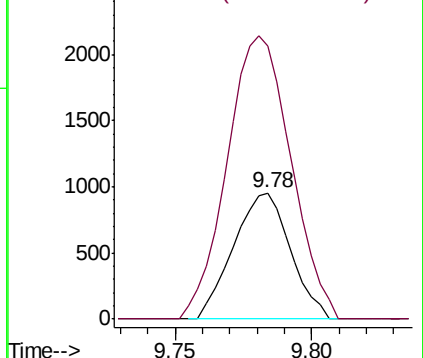
106 100

91 216.2 161.3 299.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.255 ug/L

RT: 9.80 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU027781.D

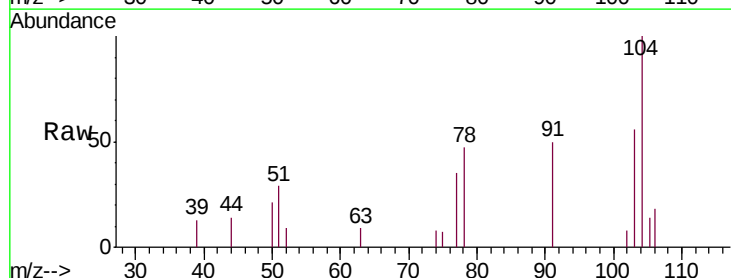
Acq: 24 Oct 2018 13:23

Tgt Ion:104 Resp: 2439

Ion Ratio Lower Upper

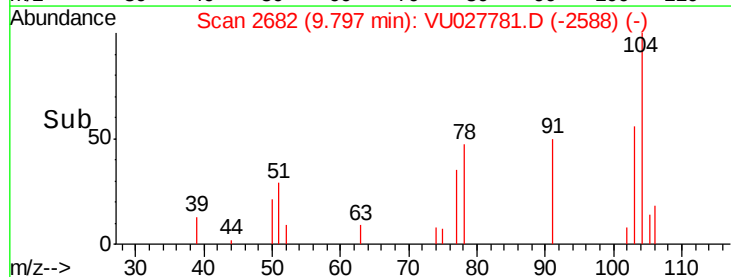
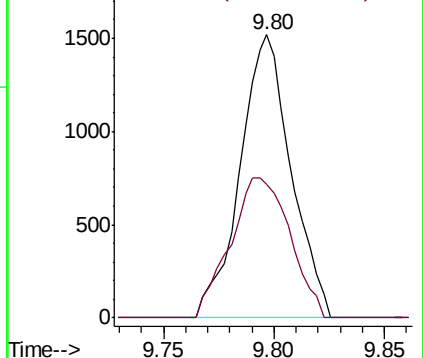
104 100

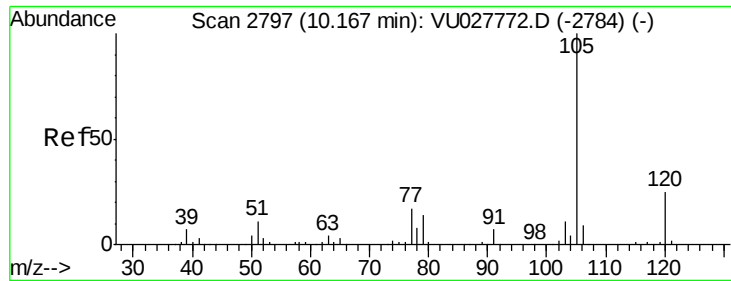
78 47.3 36.3 67.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.259 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

ClientSampled :

MDL05

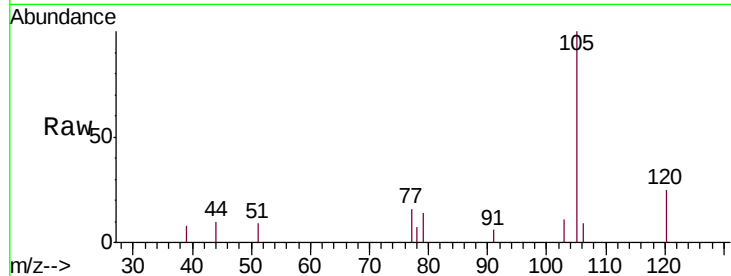
Tgt Ion: 105 Resp: 4042

Ion Ratio Lower Upper

105 100

120 21.7 19.9 29.9

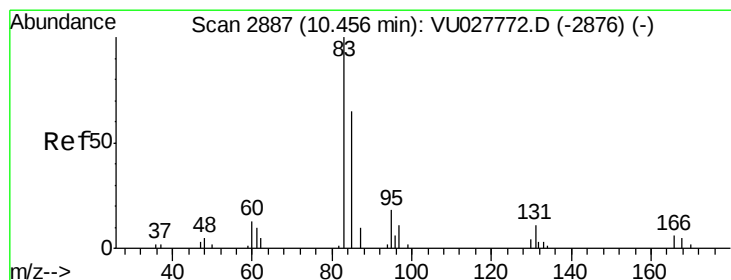
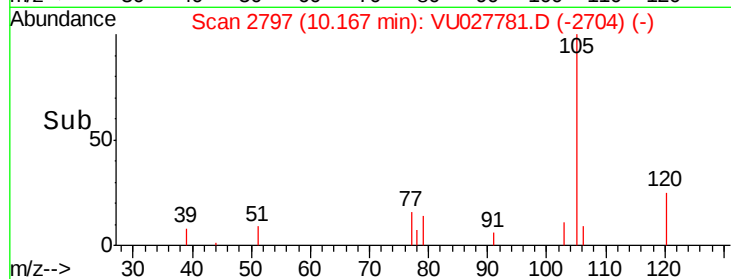
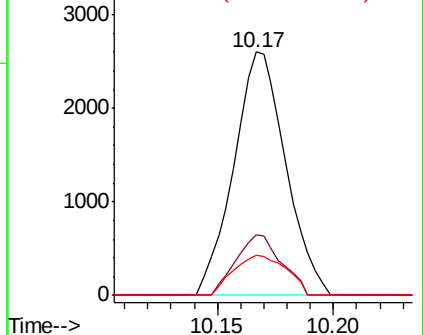
77 16.7 13.7 20.5



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: 0.237 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

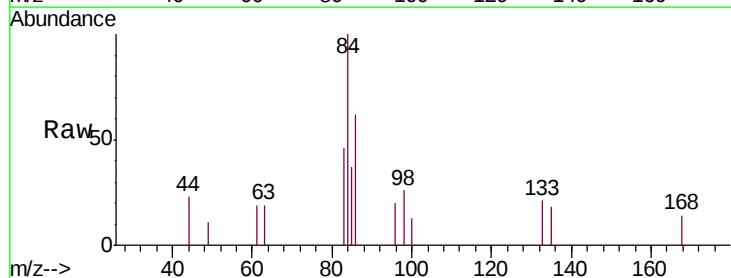
Tgt Ion: 83 Resp: 721

Ion Ratio Lower Upper

83 100

85 79.6 45.5 84.5

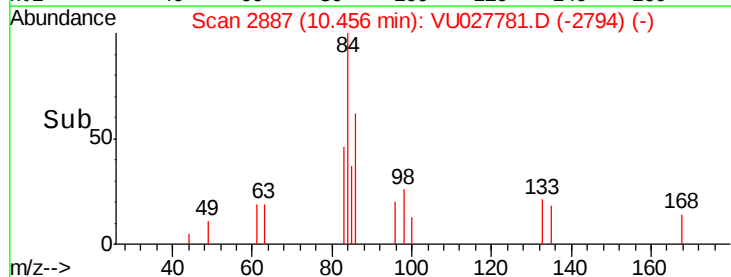
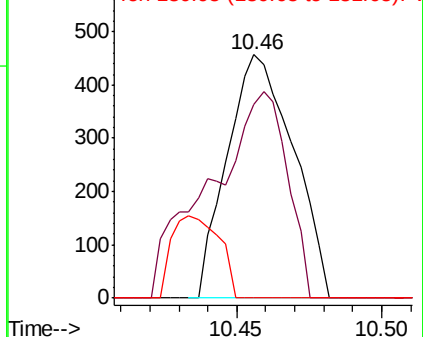
131 0.0 8.8 13.2#

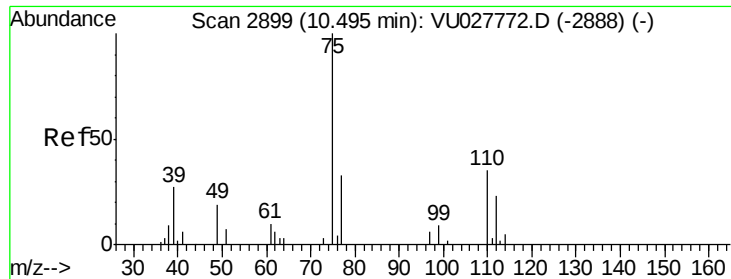


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

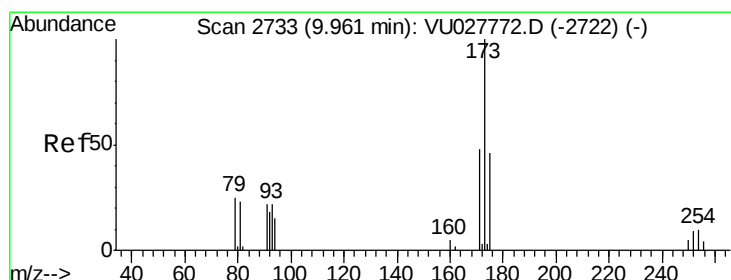
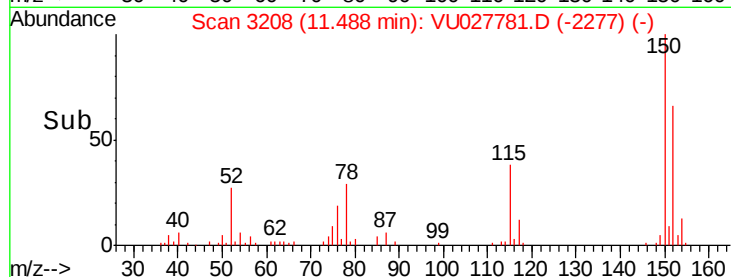
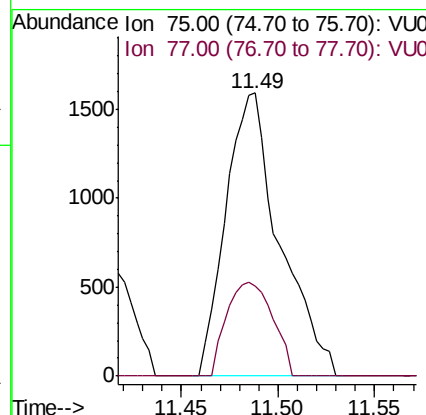
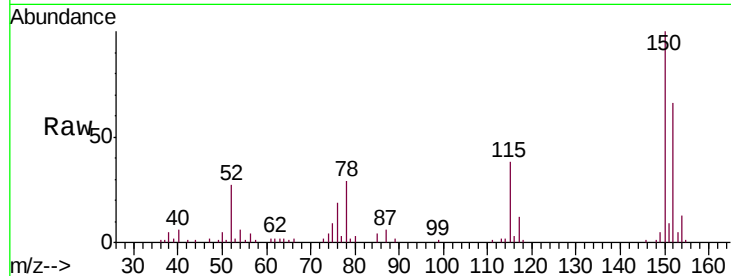




#59
 1,2,3-Trichloropropane
 Concen: 1.276 ug/L
 RT: 11.49 min Scan# 3208
 Delta R.T. 0.99 min
 Lab File: VU027781.D
 Acq: 24 Oct 2018 13:23

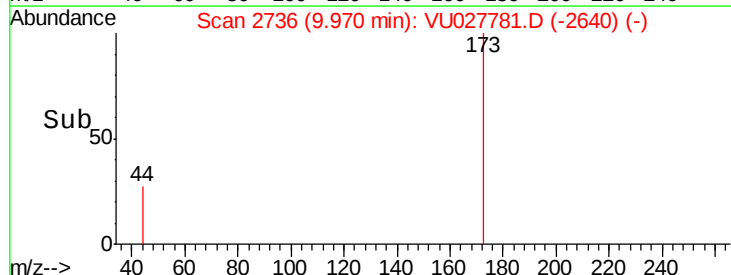
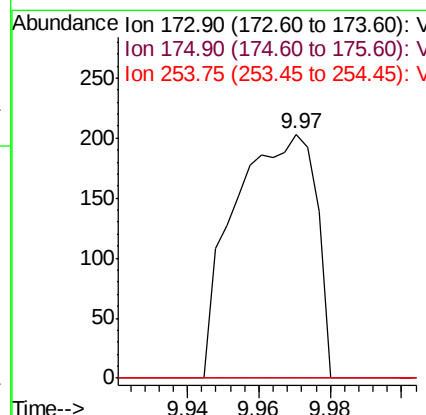
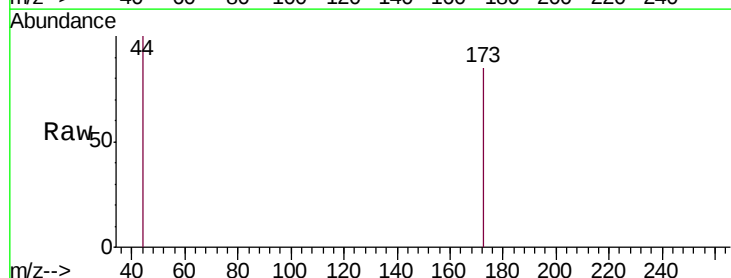
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

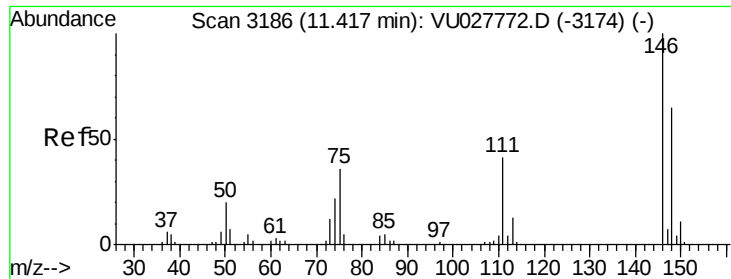
Tgt Ion: 75 Resp: 3081
 Ion Ratio Lower Upper
 75 100
 77 28.4 26.4 39.6



#61
 Bromoform
 Concen: 0.192 ug/L
 RT: 9.97 min Scan# 2736
 Delta R.T. 0.01 min
 Lab File: VU027781.D
 Acq: 24 Oct 2018 13:23

Tgt Ion: 173 Resp: 319
 Ion Ratio Lower Upper
 173 100
 175 0.0 37.7 56.5#
 254 0.0 7.2 10.8#





#62

1,3-Dichlorobenzene

Concen: 0.249 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

MDL05

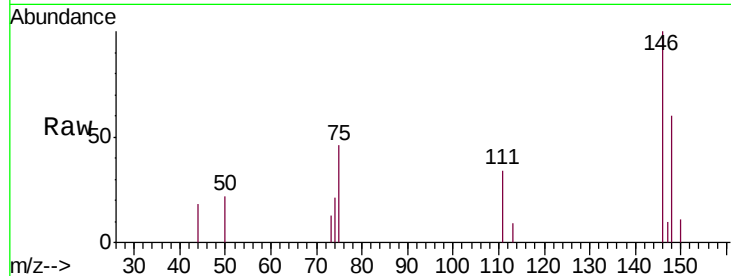
Tgt Ion:146 Resp: 1726

Ion Ratio Lower Upper

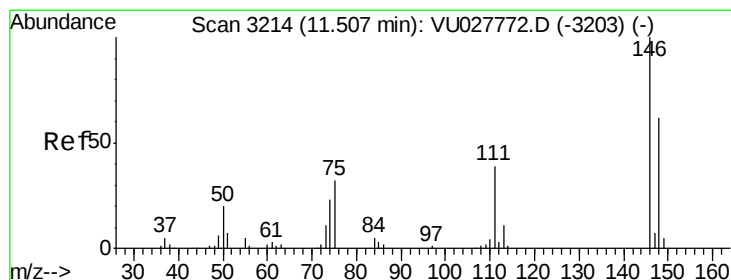
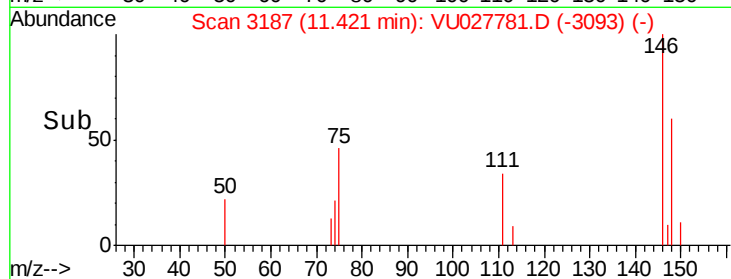
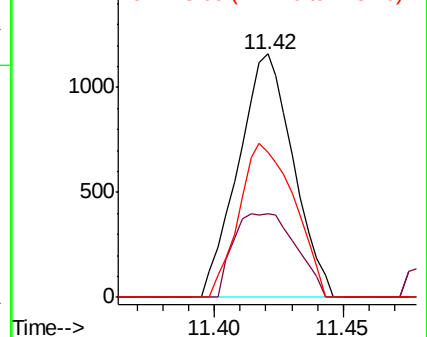
146 100

111 34.3 28.6 53.0

148 59.7 45.1 83.9



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



#63

1,4-Dichlorobenzene

Concen: 0.273 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

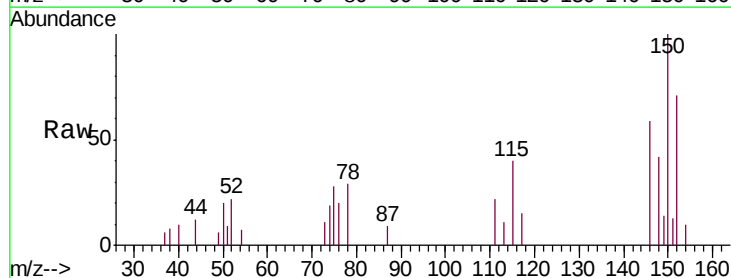
Tgt Ion:146 Resp: 1912

Ion Ratio Lower Upper

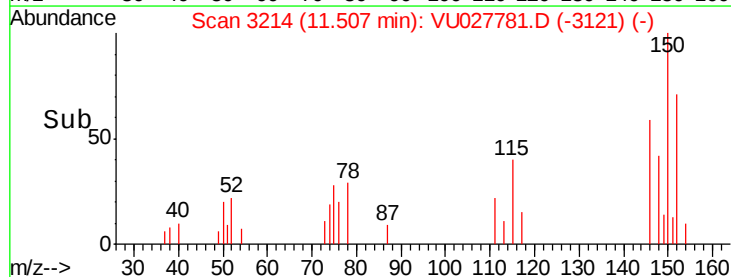
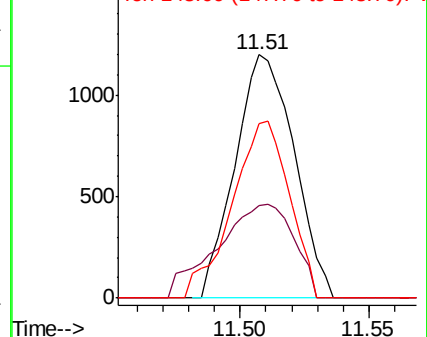
146 100

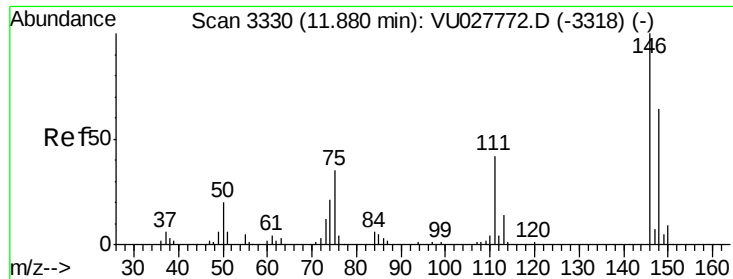
111 37.9 27.6 51.4

148 71.5 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: 0.259 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

MDL05

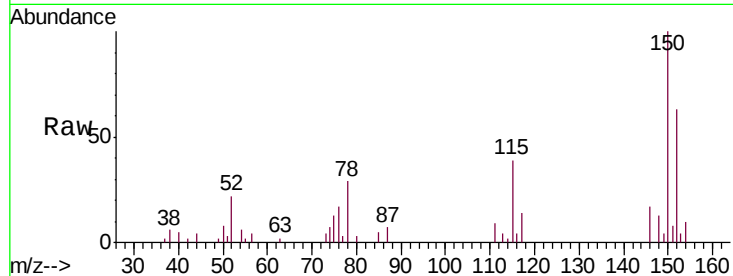
Tgt Ion:146 Resp: 1688

Ion Ratio Lower Upper

146 100

111 52.4 33.7 50.5#

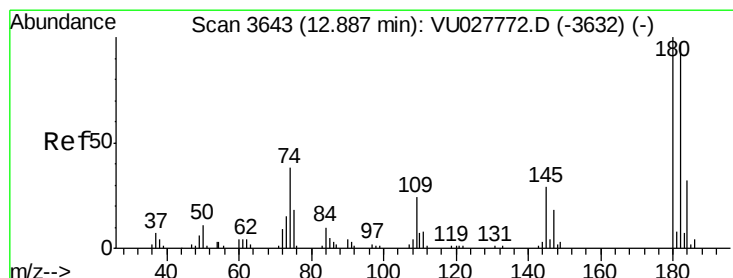
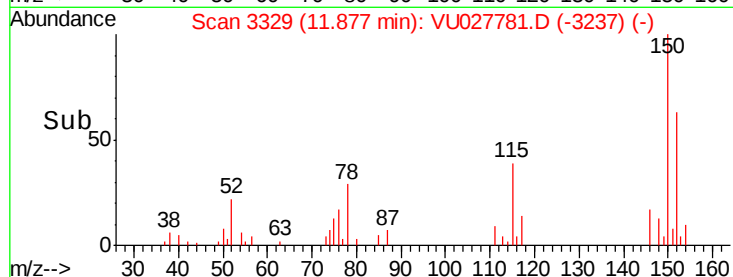
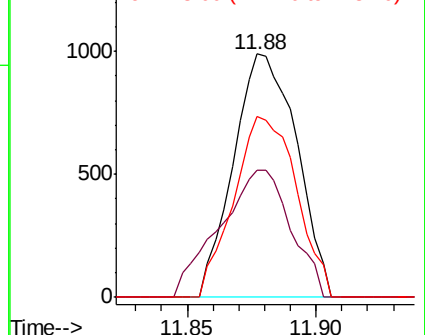
148 74.0 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 0.269 ug/L

RT: 12.89 min Scan# 3644

Delta R.T. 0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Tgt Ion:180 Resp: 1495

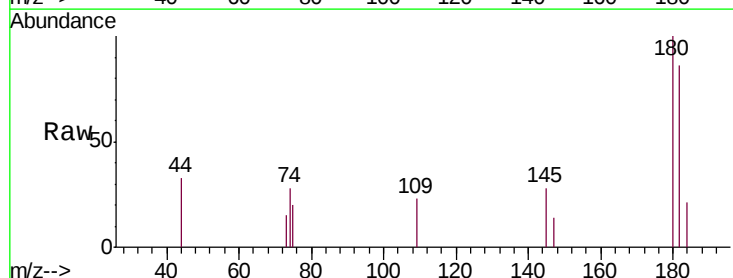
Ion Ratio Lower Upper

180 100

182 98.8 78.9 118.3

184 21.7 24.6 37.0#

145 23.4 23.4 35.0

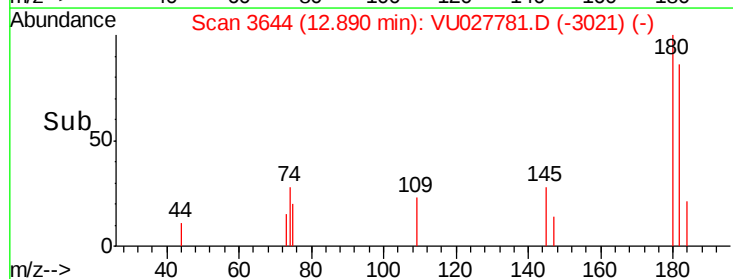
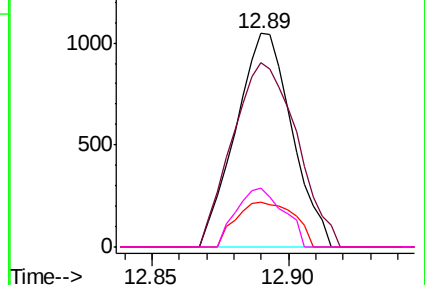


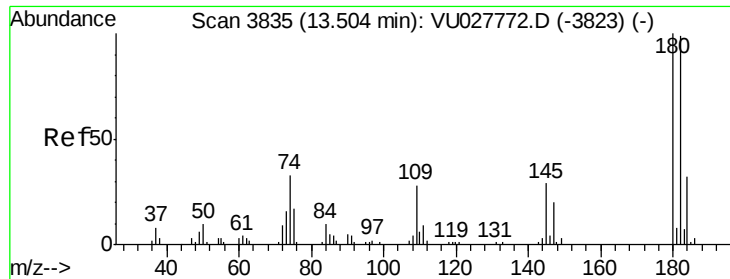
Abundance Ion 180.00 (179.70 to 180.70): V

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

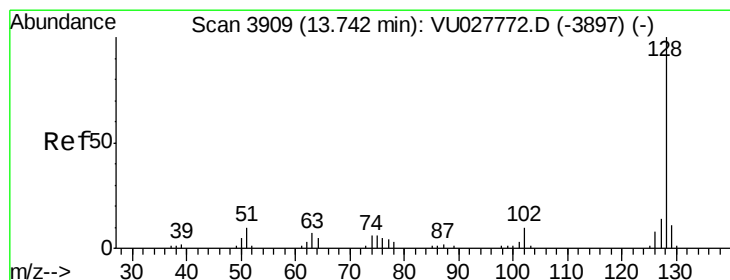
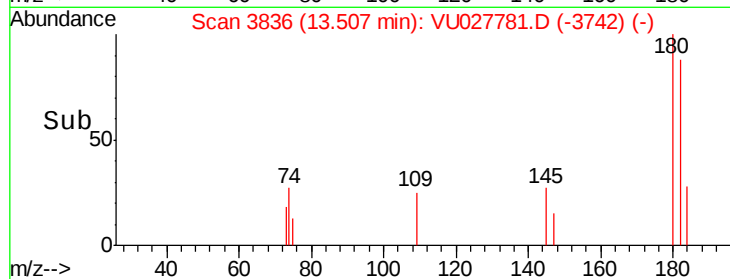
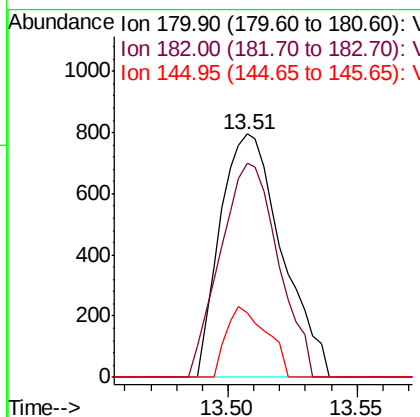
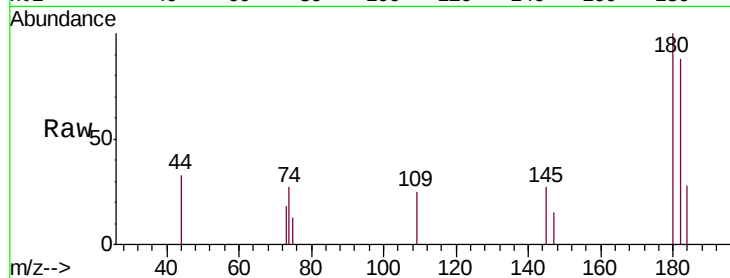




#68
 1,2,4-trichlorobenzene
 Concen: 0.274 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027781.D
 Acq: 24 Oct 2018 13:23

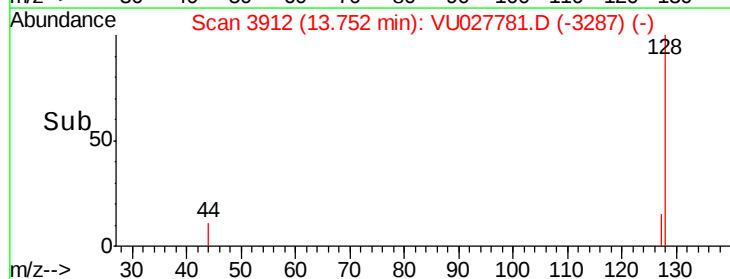
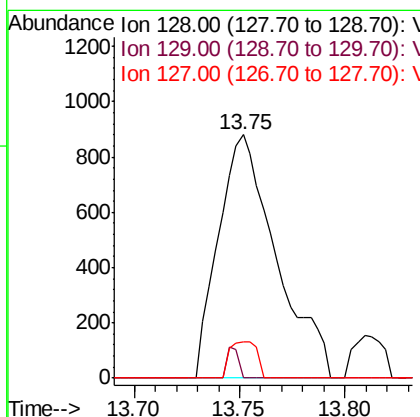
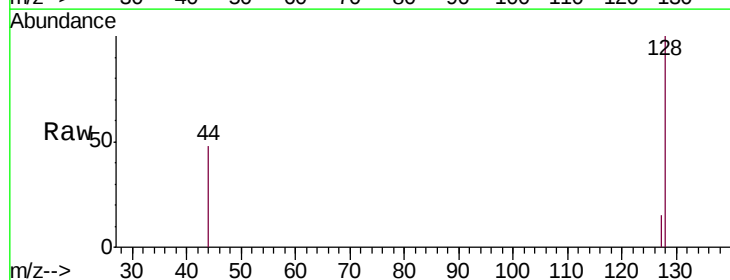
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

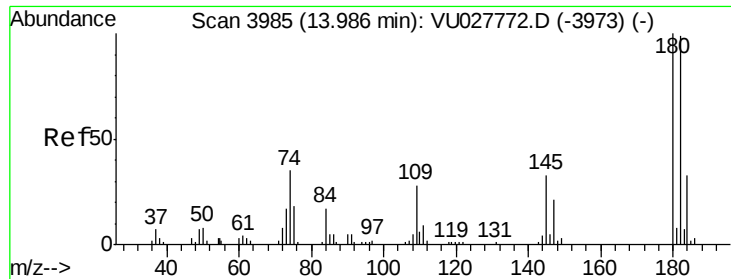
Tgt Ion:180 Resp: 1323
 Ion Ratio Lower Upper
 180 100
 182 82.7 77.6 116.4
 145 19.1 23.7 35.5#



#69
 Naphthalene
 Concen: 0.213 ug/L
 RT: 13.75 min Scan# 3912
 Delta R.T. 0.01 min
 Lab File: VU027781.D
 Acq: 24 Oct 2018 13:23

Tgt Ion:128 Resp: 1673
 Ion Ratio Lower Upper
 128 100
 129 2.5 8.8 13.2#
 127 7.1 10.7 16.1#





#70
 1,2,3-Trichlorobenzene
 Concen: 0.230 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU027781.D
 Acq: 24 Oct 2018 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tgt Ion:180 Resp: 1023
 Ion Ratio Lower Upper
 180 100
 182 103.1 76.9 115.3
 145 20.5 24.6 37.0#

