

Data File : VU027779.D
Acq On : 24 Oct 2018 12:35
Operator : MD/SY
Sample : MDL03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Quant Time: Oct 25 04:38:07 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	39785	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	38638	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	18521	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	16312	5.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.60%
7) Chloroethane-d5	1.68	69	12443	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.40%
11) 1,1-Dichloroethene-d2	2.28	63	24041	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	4.22	46	51882	52.61	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.22%
24) Chloroform-d	4.65	84	28720	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.31	65	17536	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.34	84	54652	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
36) 1,2-Dichloropropane-d6	6.33	67	19701	5.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.80%
41) Toluene-d8	7.57	98	51524	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
43) trans-1,3-Dichloropropene-	7.85	79	7560	5.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.80%
46) 2-Hexanone-d5	8.32	63	42657	52.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.24%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	14137	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	18497	5.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	723	0.187 ug/L	91
3) Chloromethane	1.33	50	926	0.214 ug/L	100
5) Vinyl chloride	1.40	62	995	0.239 ug/L #	59
6) Bromomethane	1.63	94	488	0.228 ug/L	92
8) Chloroethane	1.70	64	447	0.198 ug/L #	83
9) Trichlorofluoromethane	1.89	101	1217	0.221 ug/L	90
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	712	0.256 ug/L #	69
12) 1,1-Dichloroethene	2.29	96	711	0.274 ug/L #	1
13) Acetone	2.36	43	1789	2.517 ug/L	70
14) Carbon disulfide	2.48	76	2176	0.244 ug/L	97
15) Methyl Acetate	2.64	43	824	0.414 ug/L #	57
16) Methylene chloride	2.71	84	1077	0.352 ug/L	81
17) Methyl tert-butyl Ether	3.01	73	1589	0.191 ug/L #	83
18) trans-1,2-Dichloroethene	2.99	96	474	0.171 ug/L #	60
19) 1,1-Dichloroethane	3.45	63	1409	0.229 ug/L #	89
21) 2-Butanone	4.31	43	2887	2.475 ug/L #	71
22) cis-1,2-Dichloroethene	4.23	96	706	0.214 ug/L	97

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 25 04:31:14 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.67	83	1528	0.247	ug/L	91
27) 1,2-Dichloroethane	5.41	62	923	0.202	ug/L #	79
29) 1,1,1-Trichloroethane	4.91	97	1194	0.215	ug/L #	79
30) Cyclohexane	5.00	56	1209	0.194	ug/L	99
31) Carbon tetrachloride	5.13	117	496	0.104	ug/L #	2
33) Benzene	5.39	78	2902	0.226	ug/L	100
34) Trichloroethene	6.19	95	634	0.191	ug/L	82
35) Methylcyclohexane	6.42	83	1130	0.203	ug/L	91
37) 1,2-Dichloropropane	6.45	63	791	0.210	ug/L #	90
38) Bromodichloromethane	6.76	83	871	0.194	ug/L #	93
39) cis-1,3-Dichloropropene	7.27	75	971	0.180	ug/L	89
40) 4-Methyl-2-pentanone	7.47	43	5781	2.051	ug/L #	89
42) Toluene	7.64	91	3006	0.217	ug/L	85
44) trans-1,3-Dichloropropene	7.89	75	887	0.195	ug/L	92
45) 1,1,2-Trichloroethane	8.07	97	390	0.171	ug/L #	69
47) Tetrachloroethene	8.22	164	501	0.185	ug/L #	79
48) 2-Hexanone	8.37	43	5309	2.651	ug/L #	90
49) Dibromochloromethane	8.48	129	487	0.168	ug/L	99
50) 1,2-Dibromoethane	8.59	107	353	0.160	ug/L #	85
51) Chlorobenzene	9.12	112	1945	0.229	ug/L	93
52) Ethylbenzene	9.25	91	3532	0.220	ug/L	100
53) m,p-xylene	9.38	106	1121	0.197	ug/L	93
54) o-xylene	9.78	106	1184	0.213	ug/L	75
55) Styrene	9.80	104	1808	0.192	ug/L	84
56) Isopropylbenzene	10.17	105	3070	0.200	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.46	83	589	0.197	ug/L #	86
59) 1,2,3-Trichloropropane	11.48	75	3138	1.322	ug/L	98
61) Bromoform	9.96	173	258	0.166	ug/L #	37
62) 1,3-Dichlorobenzene	11.41	146	1452	0.223	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	1571	0.239	ug/L	95
65) 1,2-Dichlorobenzene	11.88	146	1297	0.212	ug/L #	89
66) 1,2-Dibromo-3-chloropropan	12.89	75	127	0.260	ug/L #	13
67) 1,3,5-Trichlorobenzene	12.89	180	1090	0.209	ug/L #	93
68) 1,2,4-trichlorobenzene	13.51	180	833	0.184	ug/L #	92
69) Naphthalene	13.75	128	1333	0.181	ug/L #	69
70) 1,2,3-Trichlorobenzene	13.99	180	809	0.193	ug/L #	86

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

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ClientSampleId :
MDL03

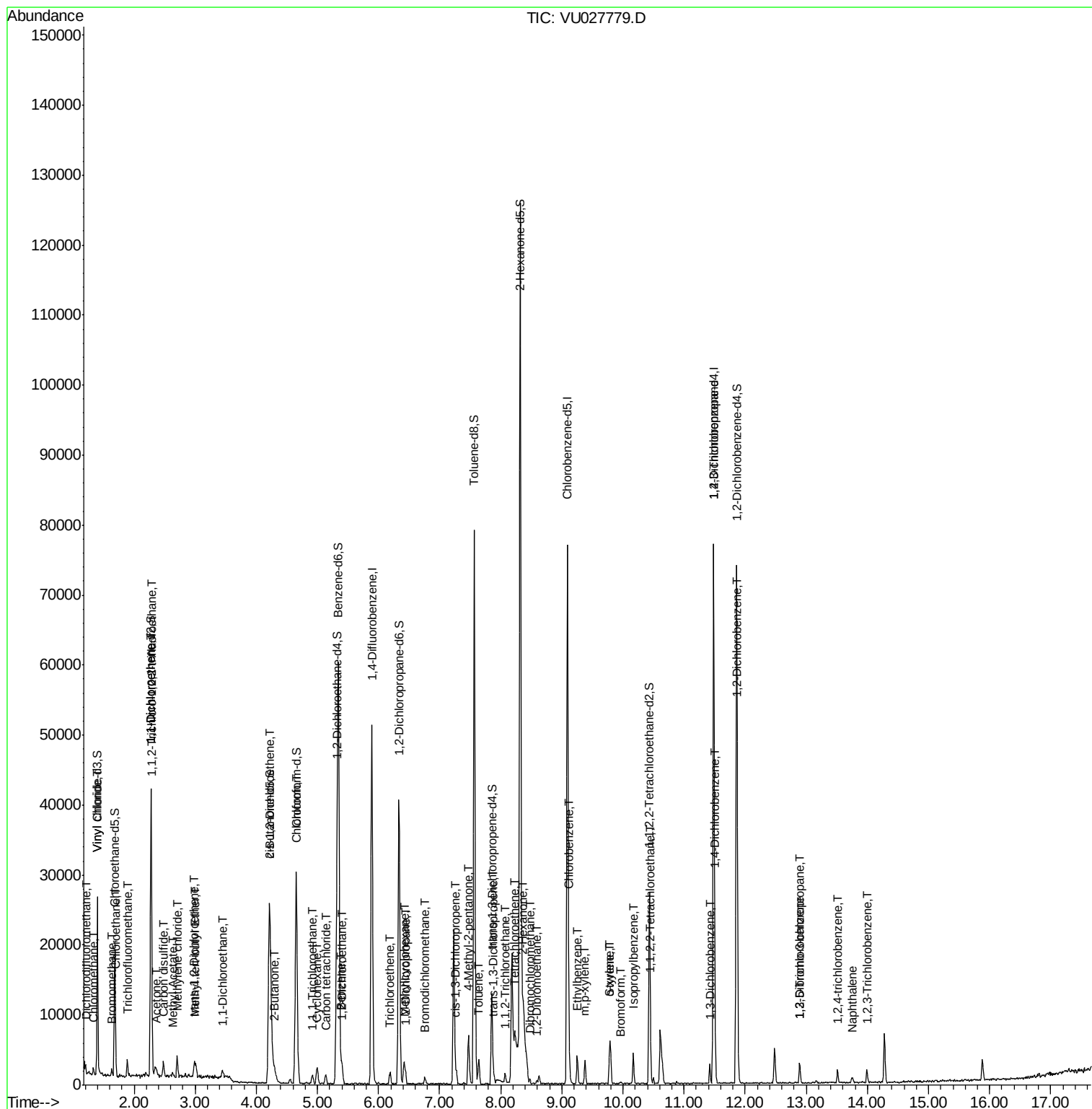
Quant Time: Oct 25 04:38:07 2018

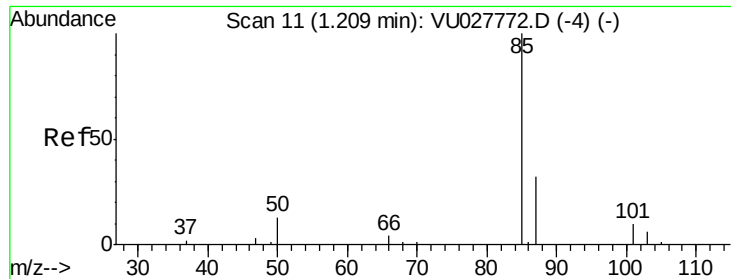
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR102418WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 0.187 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

Instrument :

MSVOA_U

ClientSampleId :

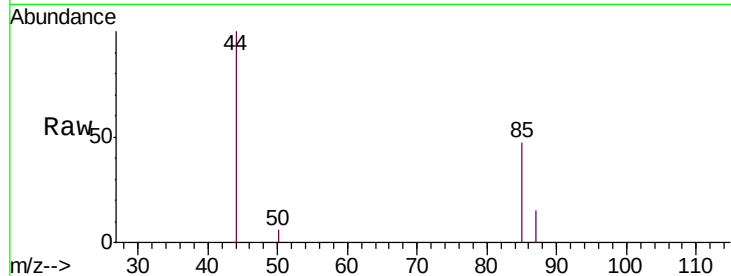
MDL03

Tgt Ion: 85 Resp: 723

Ion Ratio Lower Upper

85 100

87 26.7 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.21

800

600

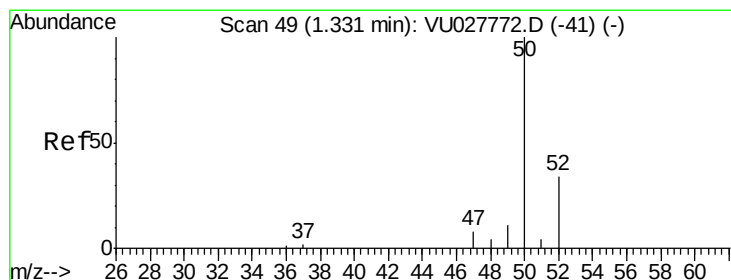
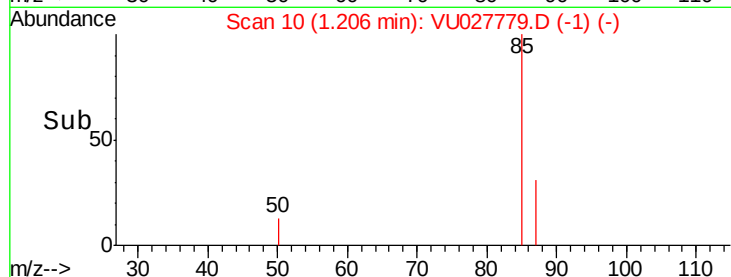
400

200

0

1.18 1.20 1.22

Time-->



#3

Chloromethane

Concen: 0.214 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027779.D

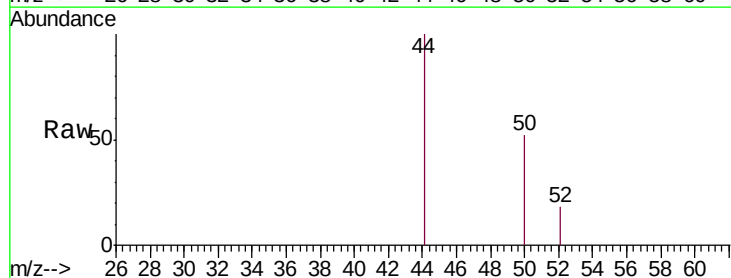
Acq: 24 Oct 2018 12:35

Tgt Ion: 50 Resp: 926

Ion Ratio Lower Upper

50 100

52 34.1 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.33

800

600

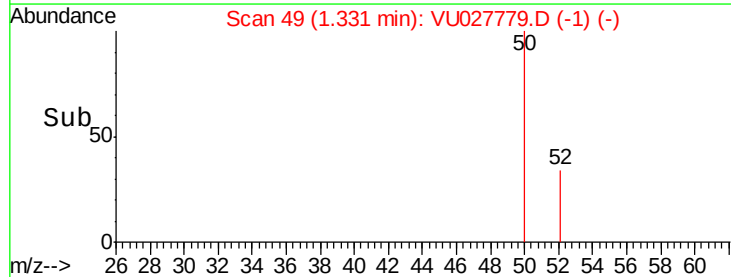
400

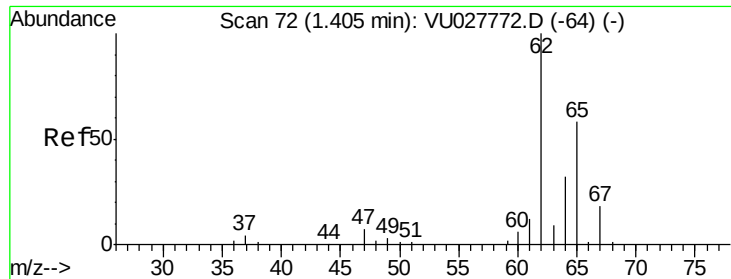
200

0

1.30 1.32 1.34 1.36

Time-->





#5

Vinyl chloride

Concen: 0.239 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

Instrument :

MSVOA_U

ClientSampleId :

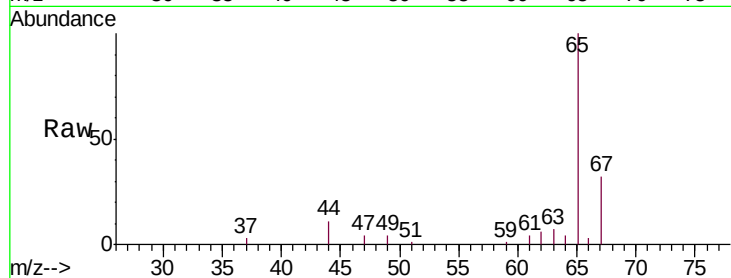
MDL03

Tgt Ion: 62 Resp: 995

Ion Ratio Lower Upper

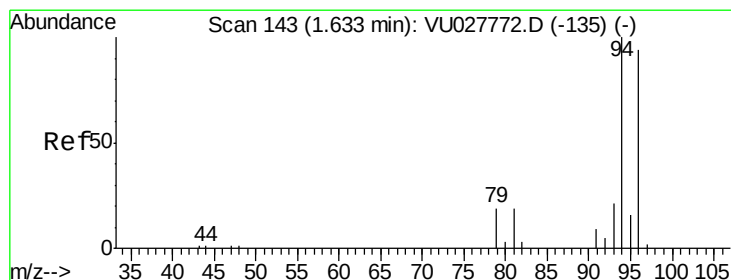
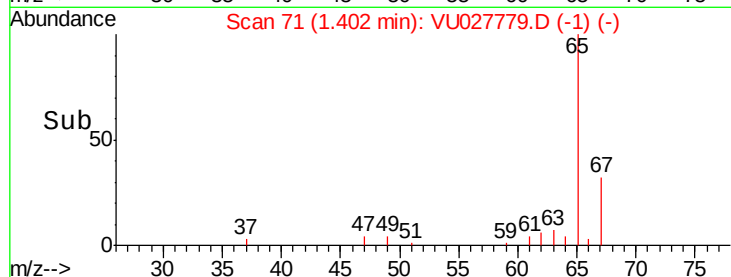
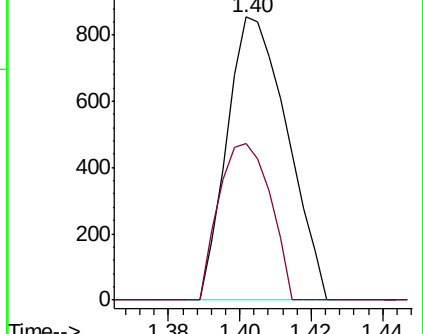
62 100

64 55.3 22.7 42.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.228 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027779.D

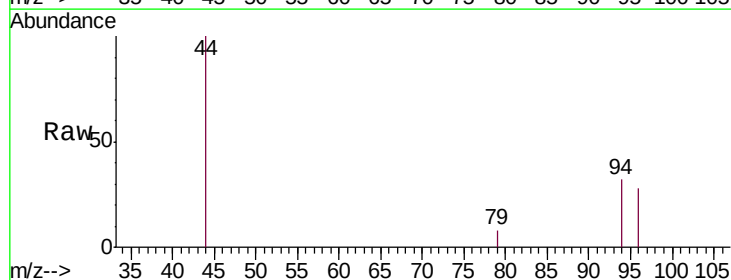
Acq: 24 Oct 2018 12:35

Tgt Ion: 94 Resp: 488

Ion Ratio Lower Upper

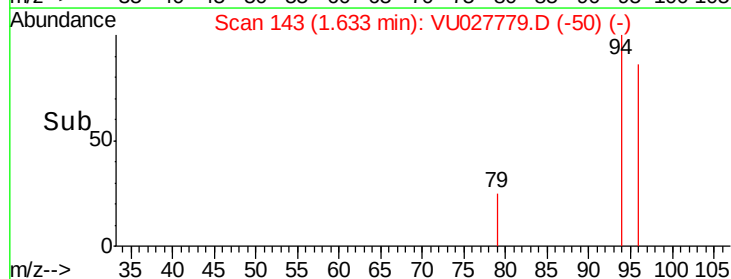
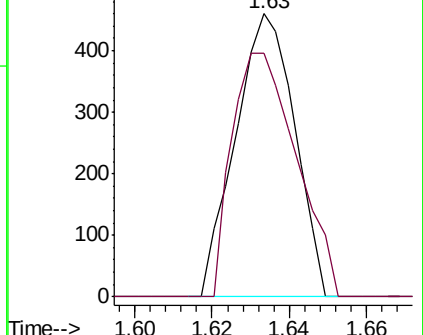
94 100

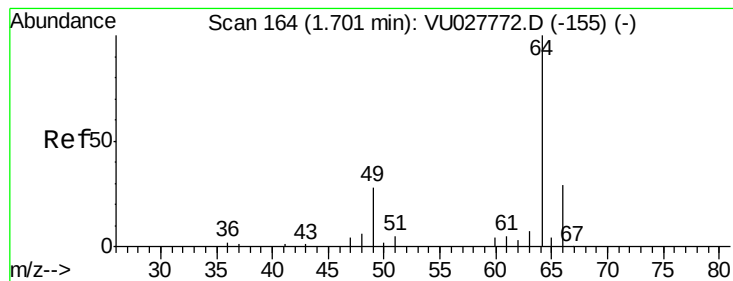
96 86.1 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.198 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

Instrument :

MSVOA_U

ClientSampleId :

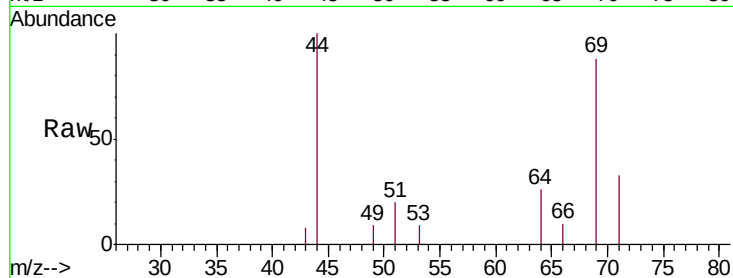
MDL03

Tgt Ion: 64 Resp: 447

Ion Ratio Lower Upper

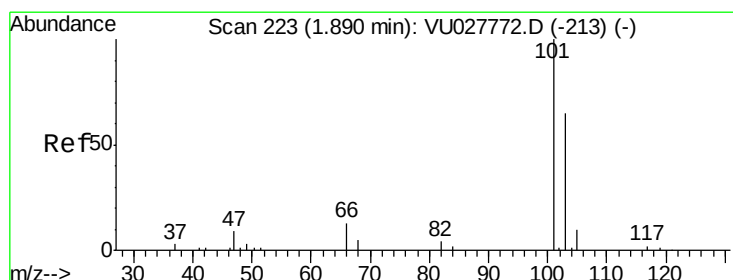
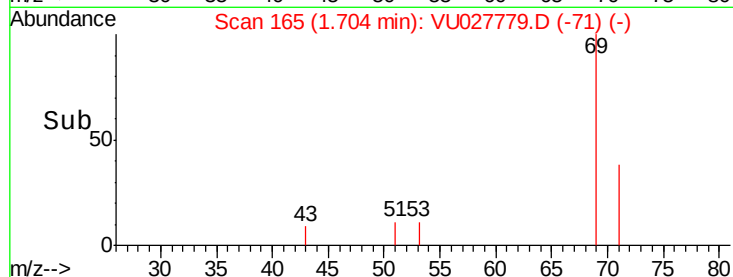
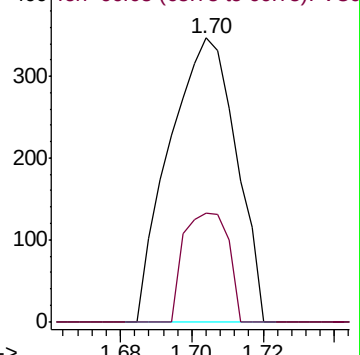
64 100

66 38.0 20.3 37.7#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#9

Trichlorofluoromethane

Concen: 0.221 ug/L

RT: 1.89 min Scan# 223

Delta R.T. 0.00 min

Lab File: VU027779.D

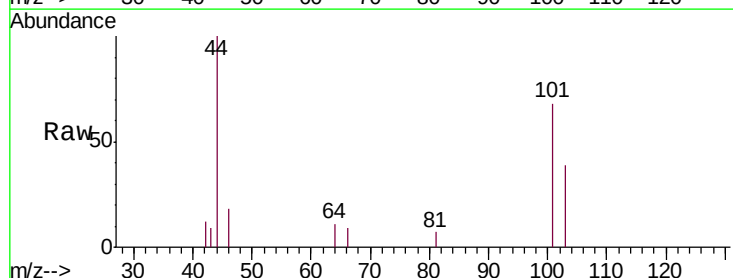
Acq: 24 Oct 2018 12:35

Tgt Ion: 101 Resp: 1217

Ion Ratio Lower Upper

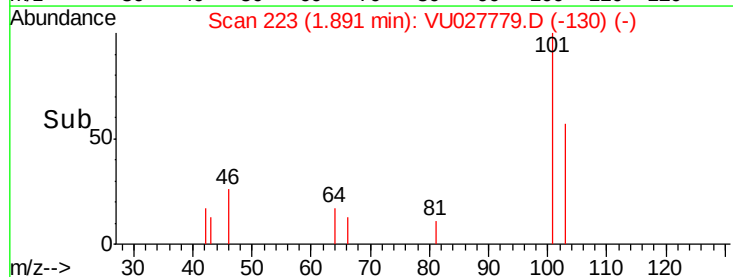
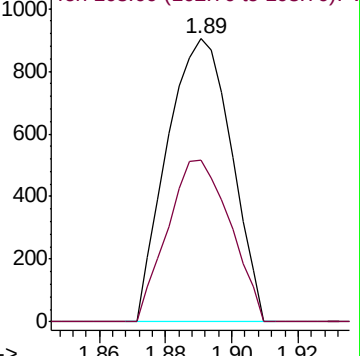
101 100

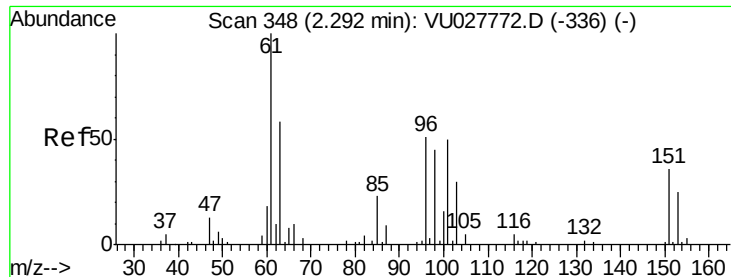
103 55.6 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 0.256 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

MDL03

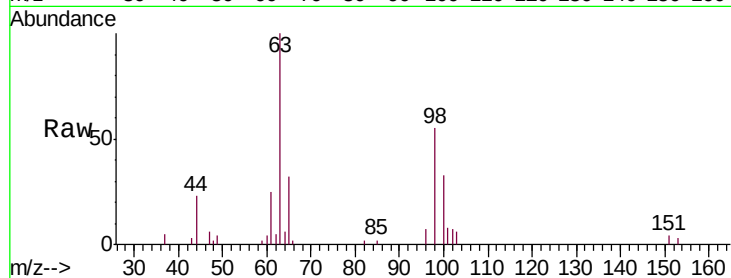
Tgt Ion: 101 Resp: 712

Ion Ratio Lower Upper

101 100

85 20.4 38.1 57.1#

151 50.1 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

500

400

300

200

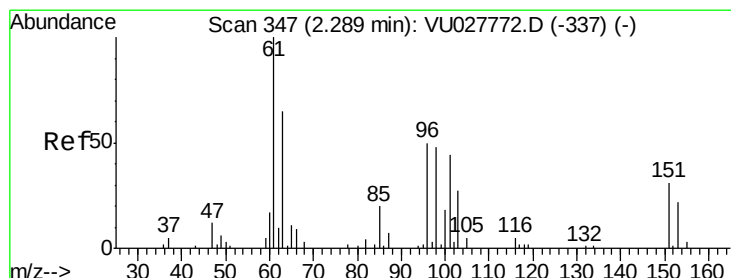
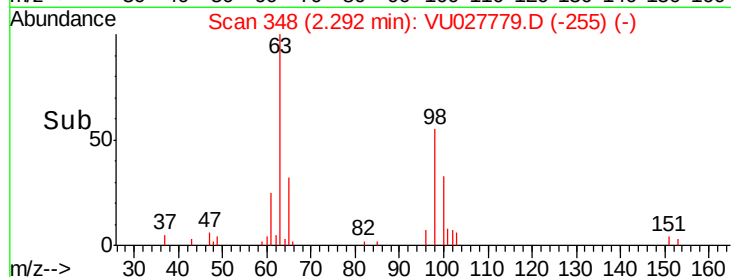
100

0

2.25

2.30

Time-->



#12

1,1-Dichloroethene

Concen: 0.274 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

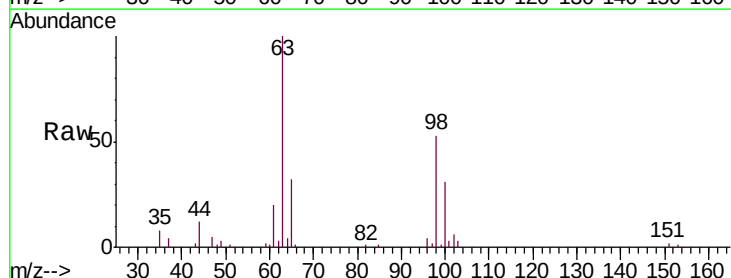
Tgt Ion: 96 Resp: 711

Ion Ratio Lower Upper

96 100

61 474.0 143.8 267.0#

63 2327.7 105.1 195.3#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

20000

15000

10000

5000

0

2.24

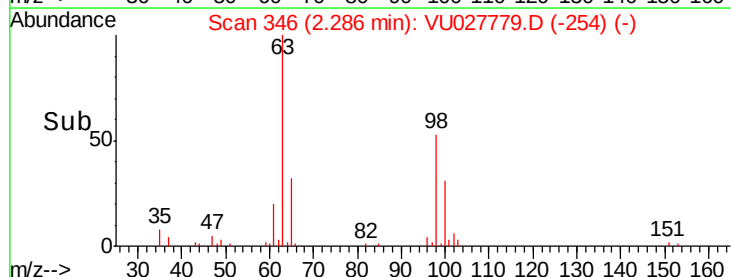
2.26

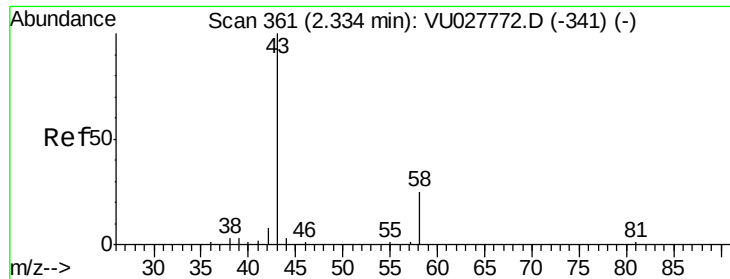
2.28

2.30

2.32

Time-->





#13

Acetone

Concen: 2.517 ug/L

RT: 2.36 min Scan# 368

Delta R.T. 0.02 min

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Acq: 24 Oct 2018 12:35

Instrument :

MSVOA_U

ClientSampleId :

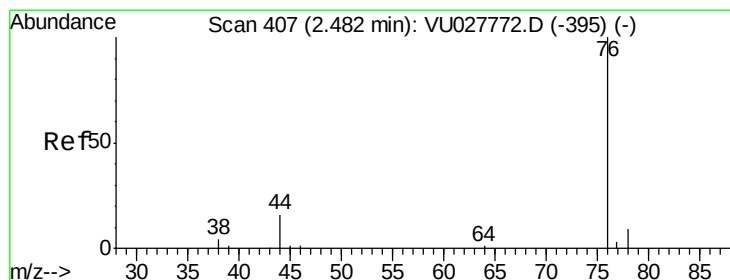
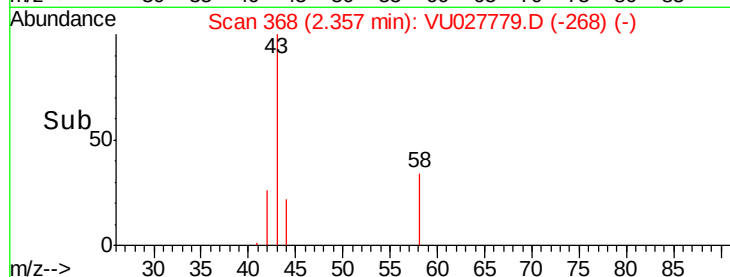
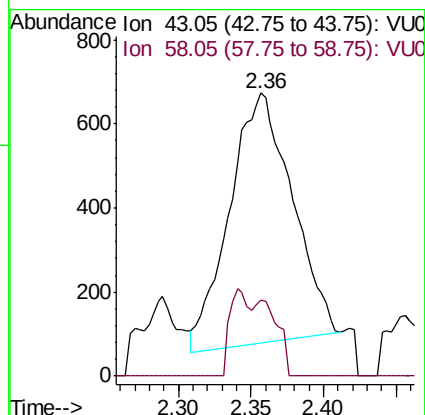
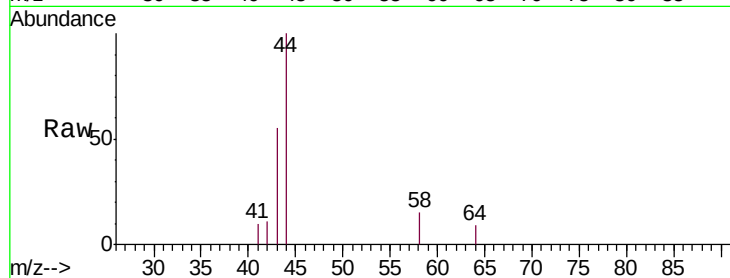
MDL03

Tgt Ion: 43 Resp: 1789

Ion Ratio Lower Upper

43 100

58 11.2 0.0 52.8



#14

Carbon disulfide

Concen: 0.244 ug/L

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027779.D

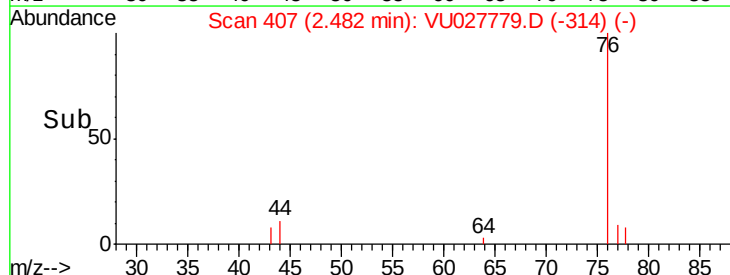
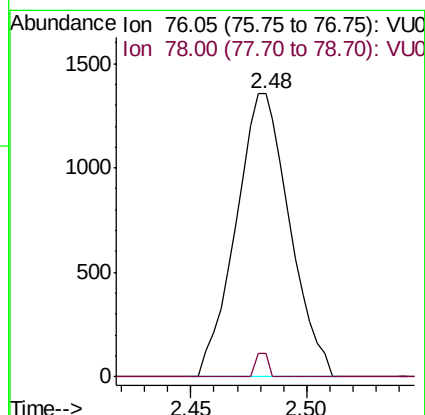
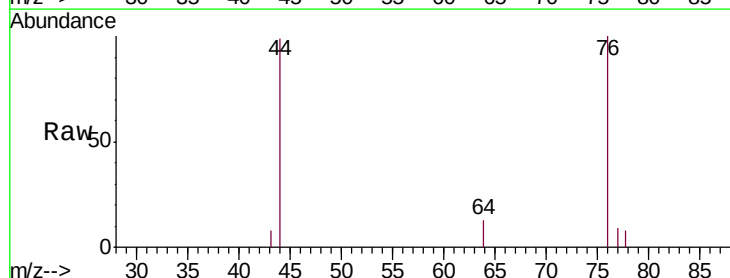
Acq: 24 Oct 2018 12:35

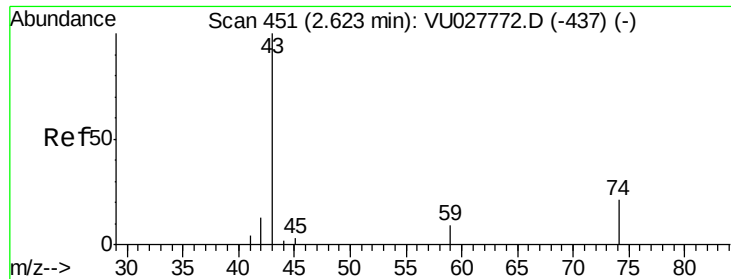
Tgt Ion: 76 Resp: 2176

Ion Ratio Lower Upper

76 100

78 8.2 7.4 11.0

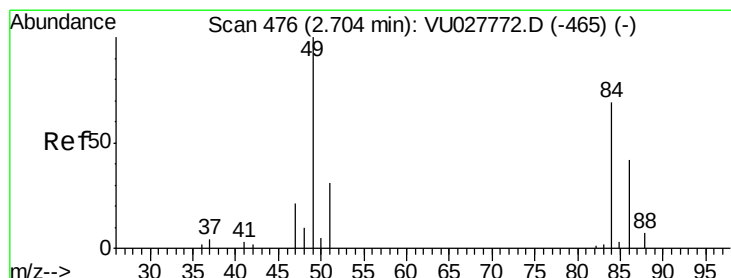
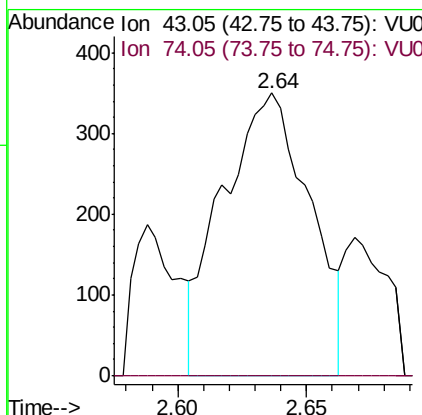
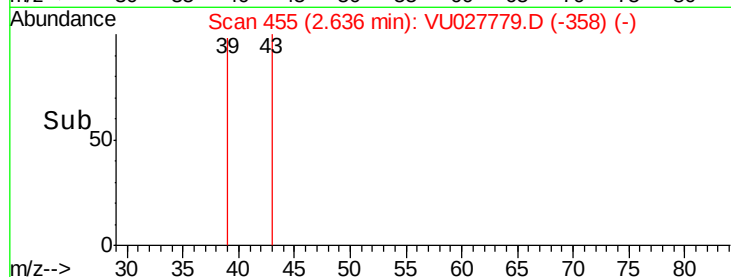
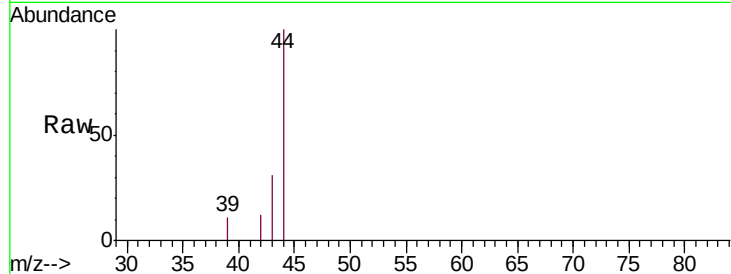




#15
Methyl Acetate
Concen: 0.414 ug/L
RT: 2.64 min Scan# 455
Delta R.T. 0.01 min
Lab File: VU027779.D
Acq: 24 Oct 2018 12:35

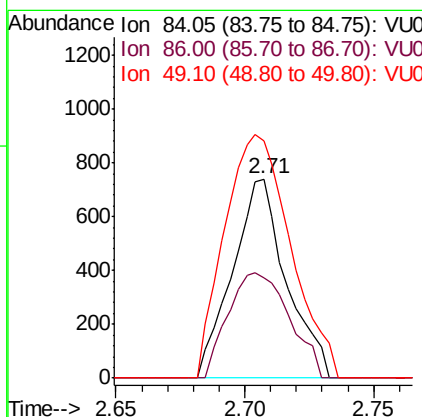
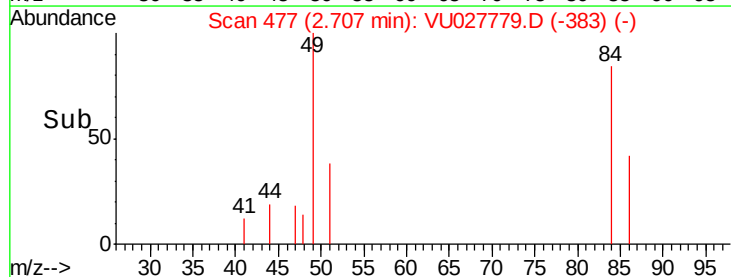
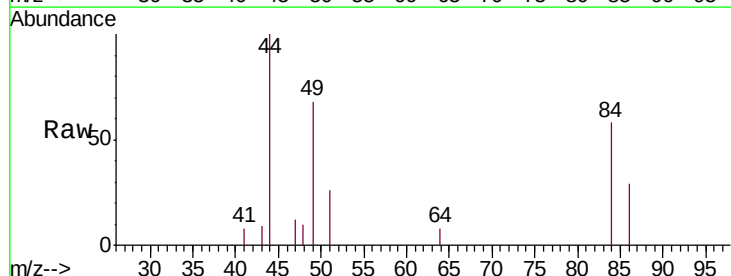
Instrument :
MSVOA_U
ClientSampled :
MDL03

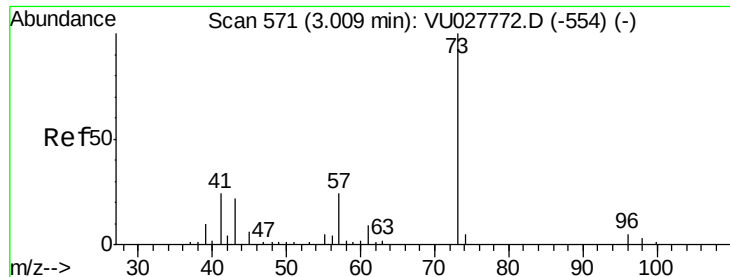
Tgt Ion: 43 Resp: 824
Ion Ratio Lower Upper
43 100
74 0.0 15.8 23.8#



#16
Methylene chloride
Concen: 0.352 ug/L
RT: 2.71 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU027779.D
Acq: 24 Oct 2018 12:35

Tgt Ion: 84 Resp: 1077
Ion Ratio Lower Upper
84 100
86 50.3 42.8 79.4
49 118.9 101.4 188.4





#17

Methyl tert-butyl Ether

Concen: 0.191 ug/L

RT: 3.01 min Scan# 570

Delta R.T. -0.00 min

Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

Instrument :

MSVOA_U

ClientSampleId :

MDL03

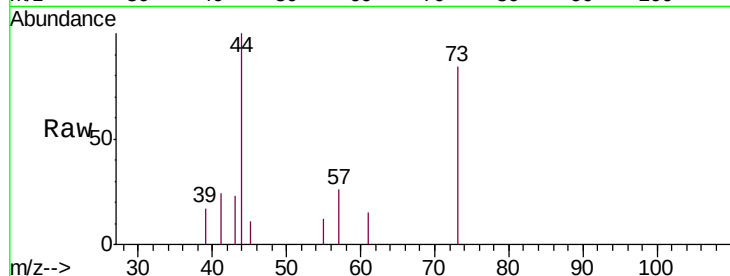
Tgt Ion: 73 Resp: 1589

Ion Ratio Lower Upper

73 100

43 34.7 18.6 28.0#

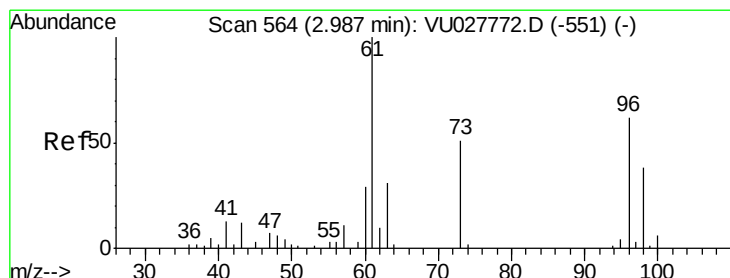
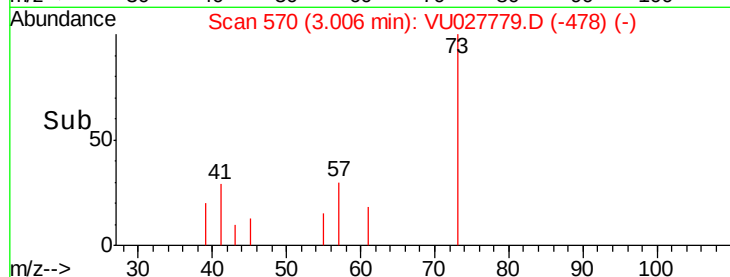
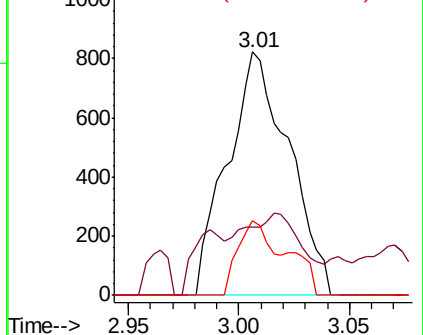
57 17.4 18.2 27.2#



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: 0.171 ug/L

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

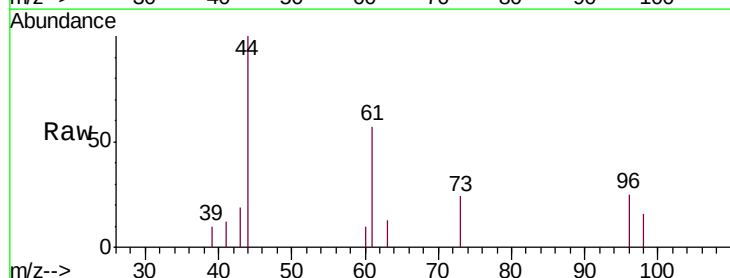
Tgt Ion: 96 Resp: 474

Ion Ratio Lower Upper

96 100

61 228.6 112.1 208.3#

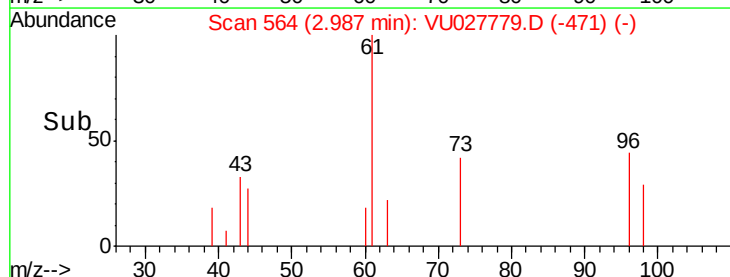
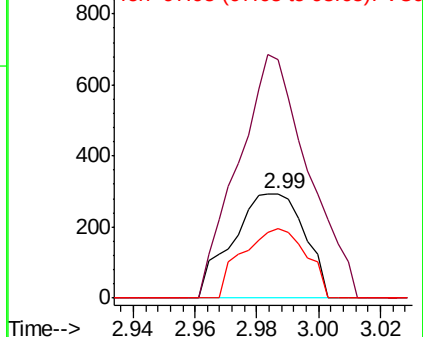
98 66.3 42.1 78.3

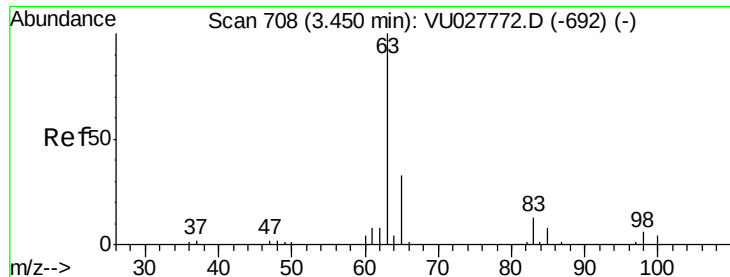


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0

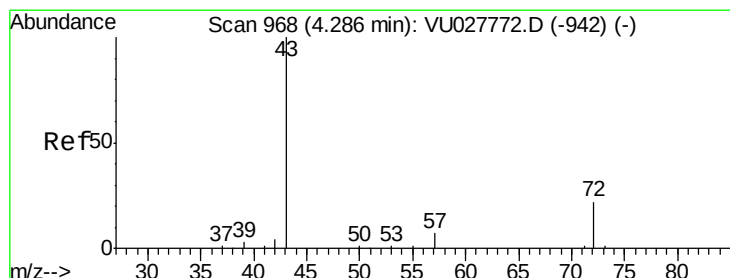
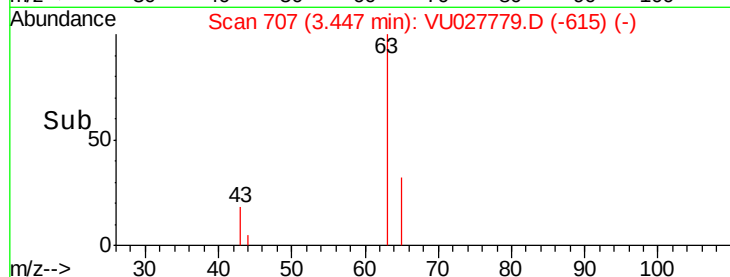
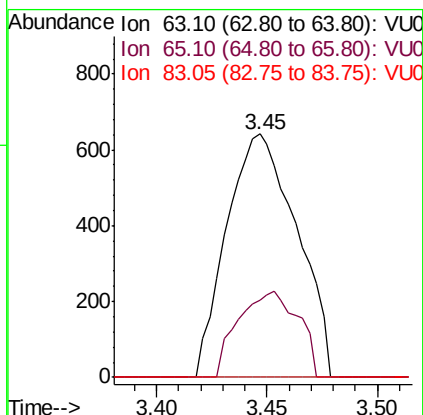
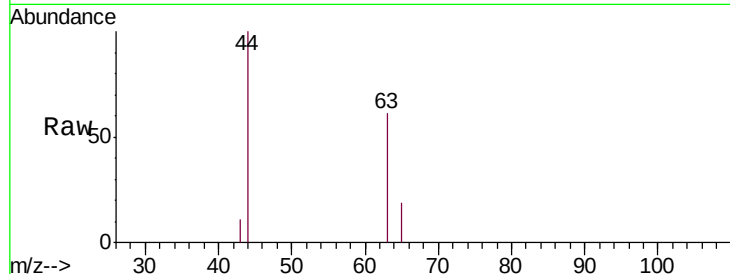




#19
 1,1-Dichloroethane
 Concen: 0.229 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027779.D
 Acq: 24 Oct 2018 12:35

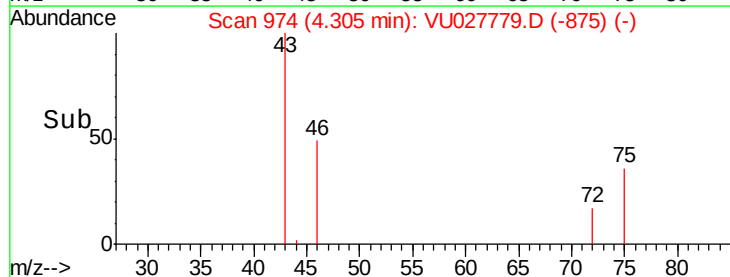
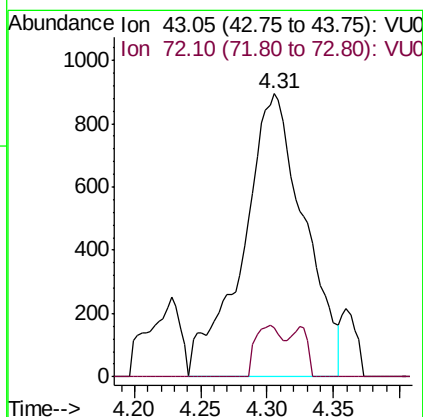
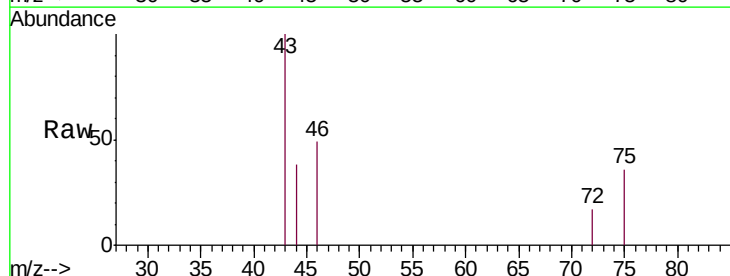
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

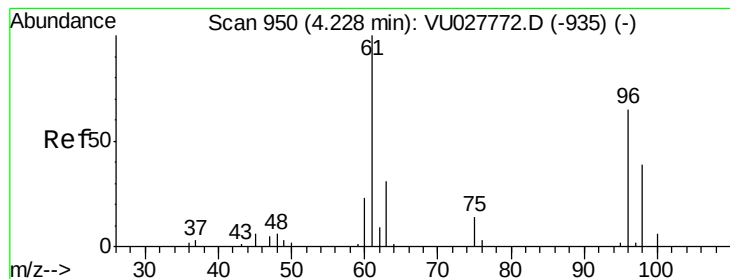
Tgt Ion: 63 Resp: 1409
 Ion Ratio Lower Upper
 63 100
 65 31.8 23.1 42.9
 83 0.0 9.2 17.0#



#21
 2-Butanone
 Concen: 2.475 ug/L
 RT: 4.31 min Scan# 974
 Delta R.T. 0.02 min
 Lab File: VU027779.D
 Acq: 24 Oct 2018 12:35

Tgt Ion: 43 Resp: 2887
 Ion Ratio Lower Upper
 43 100
 72 7.4 10.5 31.6#



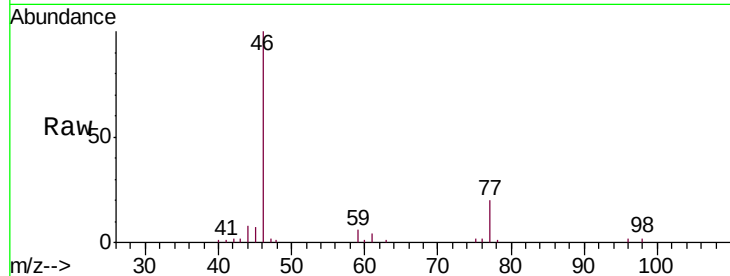


#22

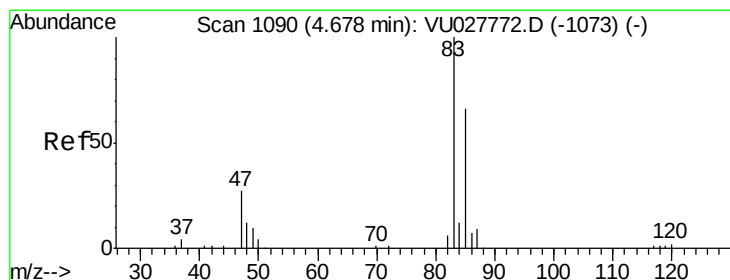
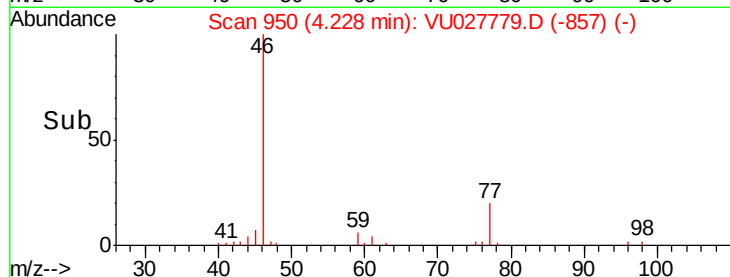
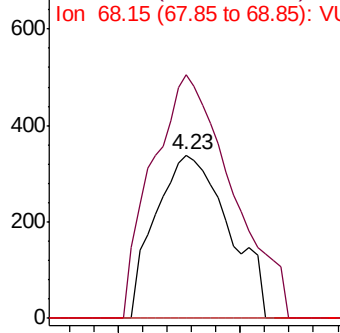
cis-1,2-Dichloroethene
 Concen: 0.214 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU027779.D
 Acq: 24 Oct 2018 12:35

Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

Tgt Ion: 96 Resp: 706
 Ion Ratio Lower Upper
 96 100
 61 149.0 107.2 199.0
 68 0.0 0.0 0.0



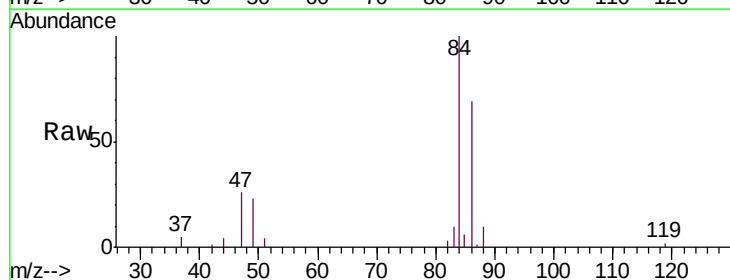
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



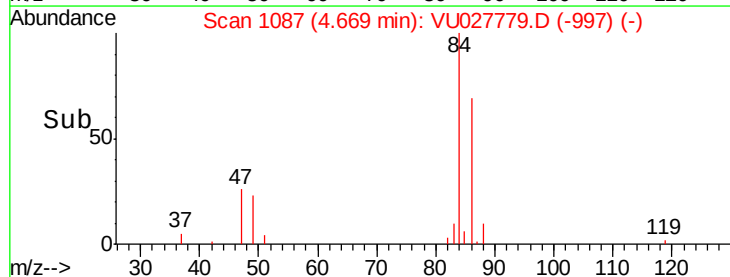
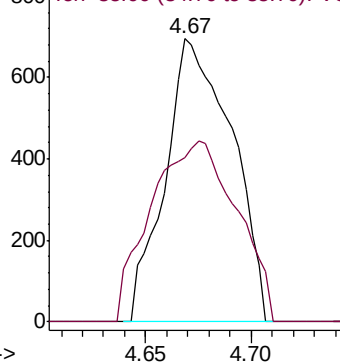
#25

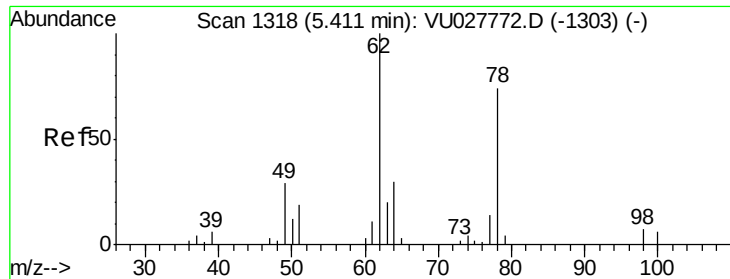
Chloroform
 Concen: 0.247 ug/L
 RT: 4.67 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VU027779.D
 Acq: 24 Oct 2018 12:35

Tgt Ion: 83 Resp: 1528
 Ion Ratio Lower Upper
 83 100
 85 58.1 45.8 85.2



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

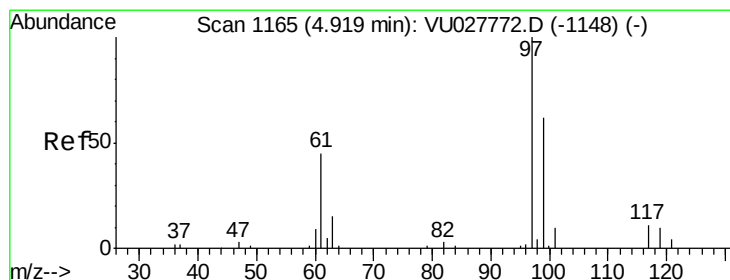
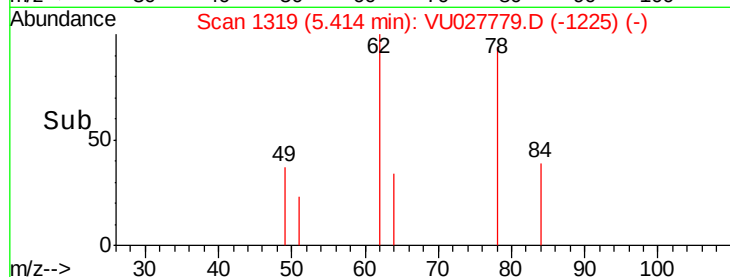
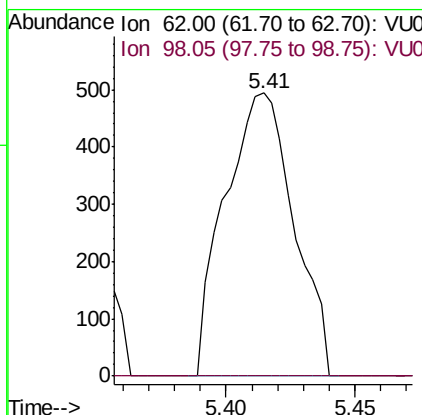
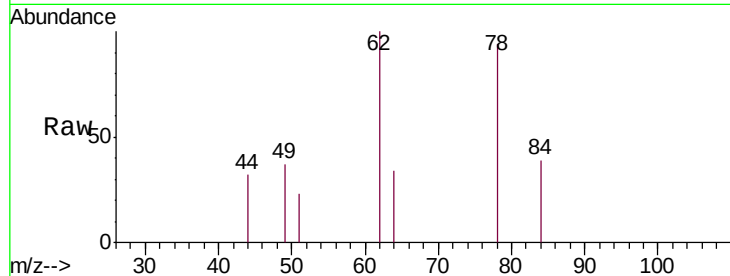




#27
 1,2-Dichloroethane
 Concen: 0.202 ug/L
 RT: 5.41 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: VU027779.D
 Acq: 24 Oct 2018 12:35

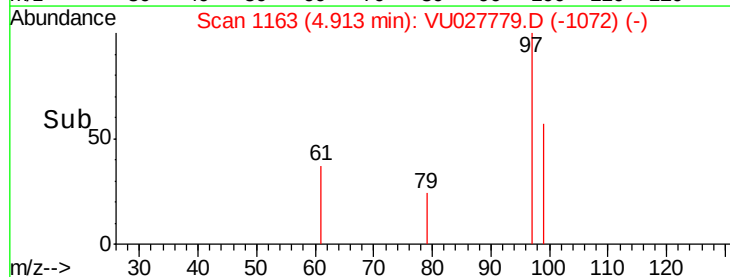
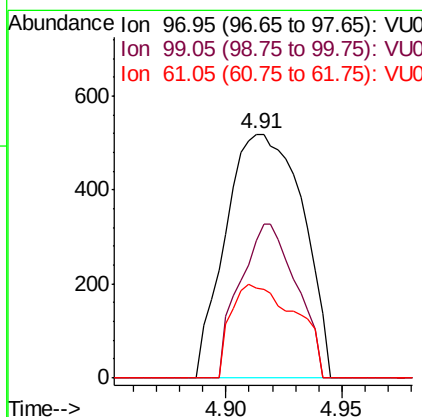
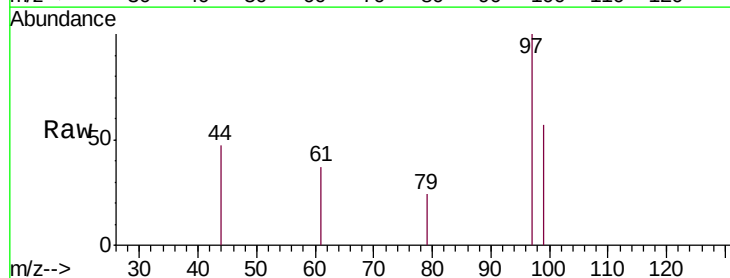
Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

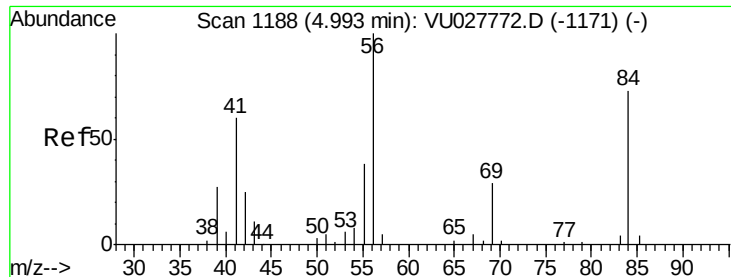
Tgt Ion: 62 Resp: 923
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.7 8.5#



#29
 1,1,1-Trichloroethane
 Concen: 0.215 ug/L
 RT: 4.91 min Scan# 1163
 Delta R.T. -0.01 min
 Lab File: VU027779.D
 Acq: 24 Oct 2018 12:35

Tgt Ion: 97 Resp: 1194
 Ion Ratio Lower Upper
 97 100
 99 46.7 51.3 76.9#
 61 32.5 36.7 55.1#

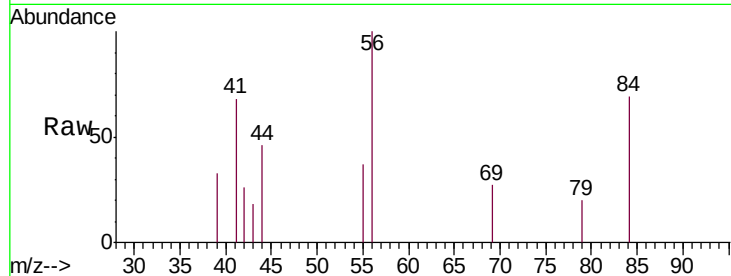




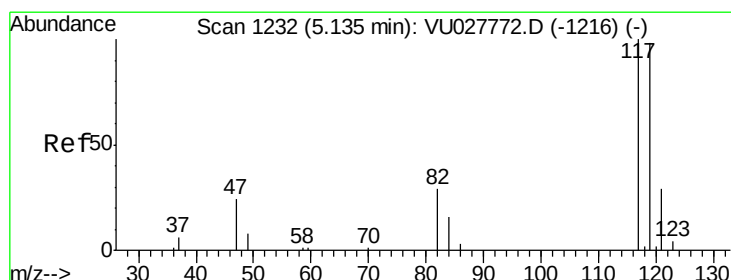
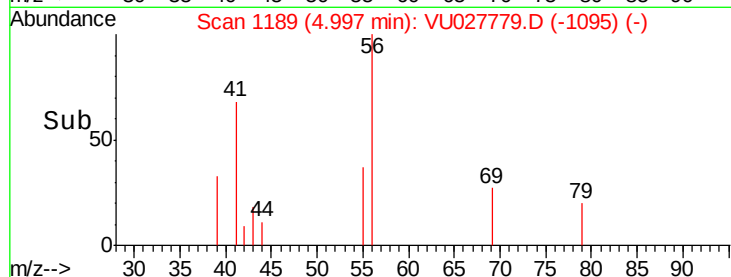
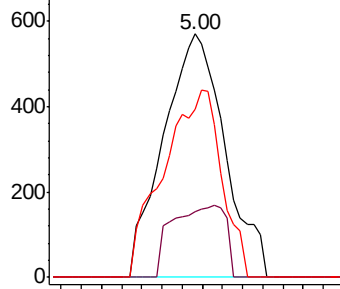
#30
Cyclohexane
Concen: 0.194 ug/L
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU027779.D
Acq: 24 Oct 2018 12:35

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion: 56 Resp: 1209
Ion Ratio Lower Upper
56 100
69 25.9 22.2 33.4
84 73.0 58.6 88.0

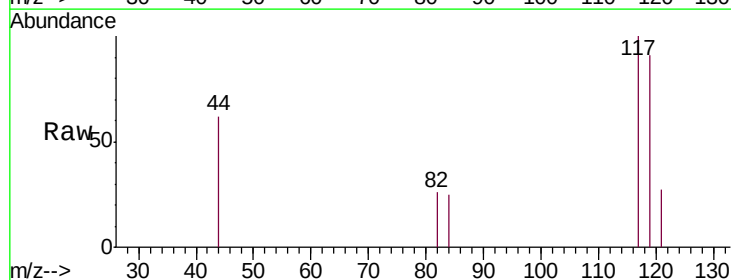


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

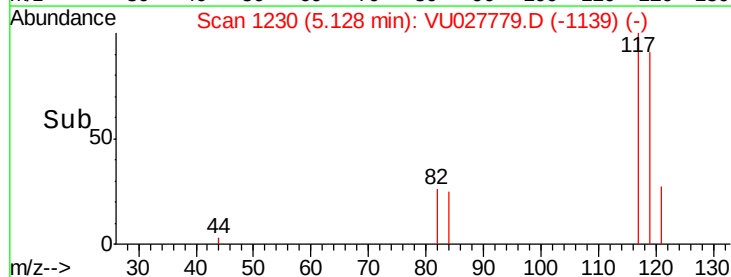
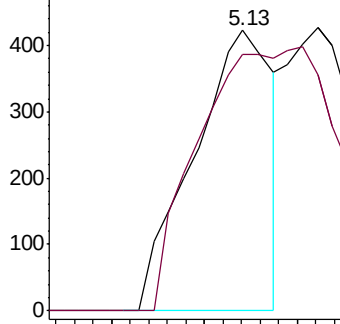


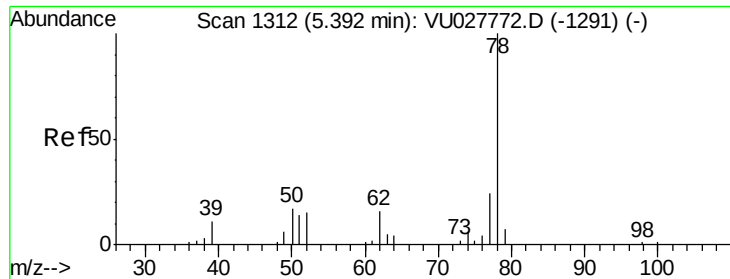
#31
Carbon tetrachloride
Concen: 0.104 ug/L
RT: 5.13 min Scan# 1230
Delta R.T. -0.01 min
Lab File: VU027779.D
Acq: 24 Oct 2018 12:35

Tgt Ion: 117 Resp: 496
Ion Ratio Lower Upper
117 100
119 0.0 77.0 115.6#



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V





#33

Benzene

Concen: 0.226 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

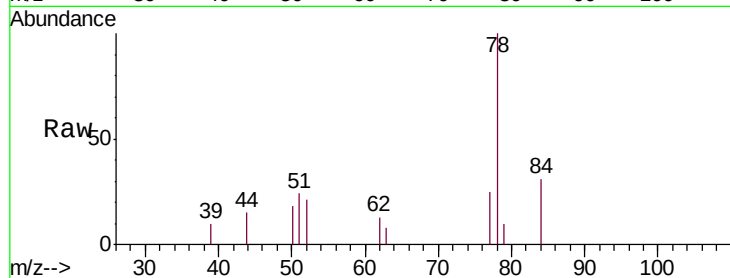
Instrument :

MSVOA_U

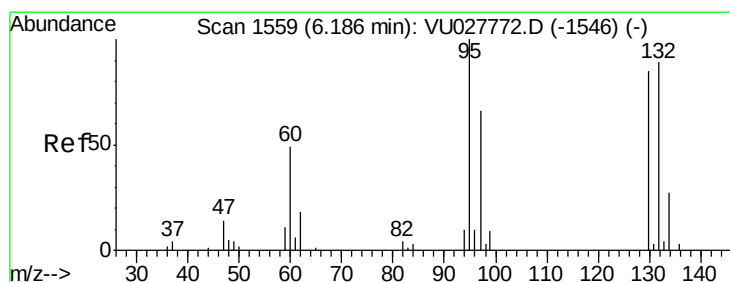
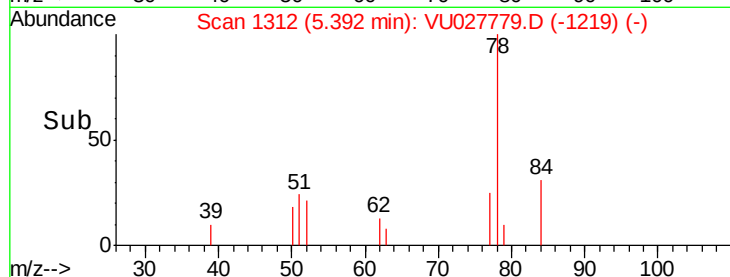
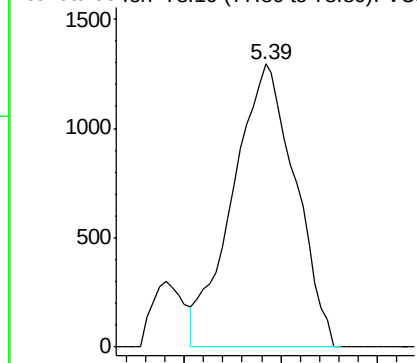
ClientSampled :

MDL03

Tgt Ion: 78 Resp: 2902



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.191 ug/L

RT: 6.19 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

Tgt Ion: 95 Resp: 634

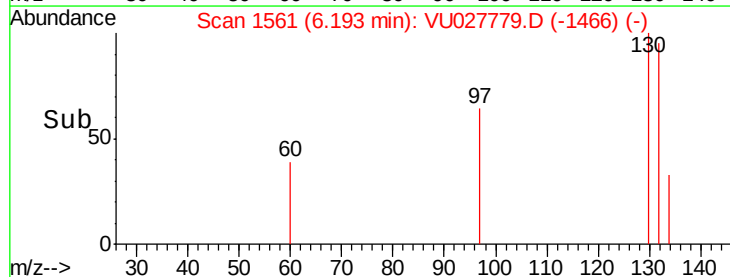
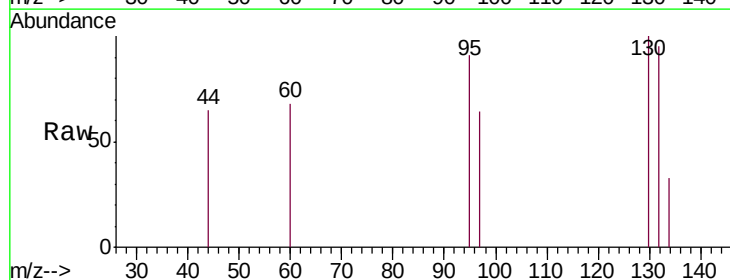
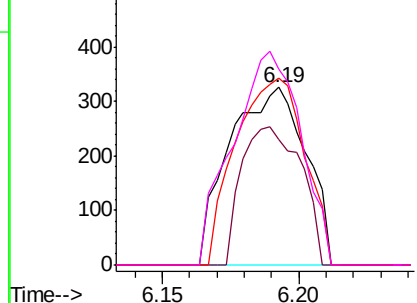
Ion	Ratio	Lower	Upper
95	100		
97	70.6	46.4	86.2
132	104.9	62.0	115.2
130	110.1	59.5	110.5

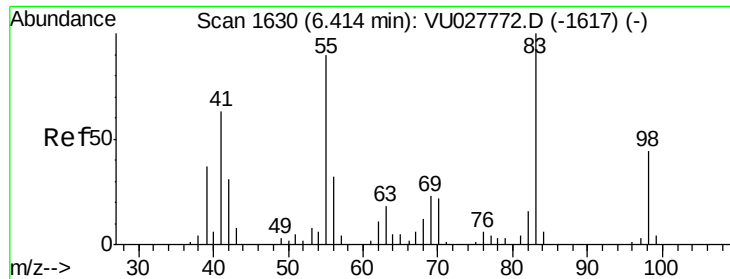
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.203 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

Instrument :

MSVOA_U

ClientSampleId :

MDL03

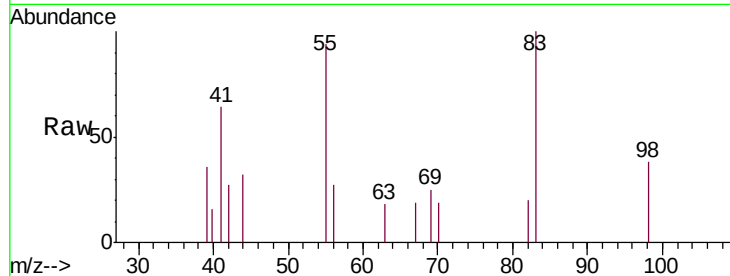
Tgt Ion: 83 Resp: 1130

Ion Ratio Lower Upper

83 100

55 96.1 71.5 107.3

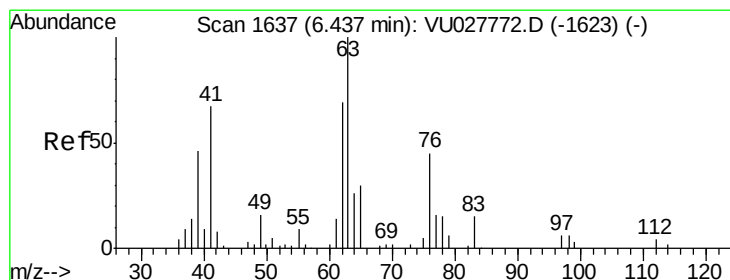
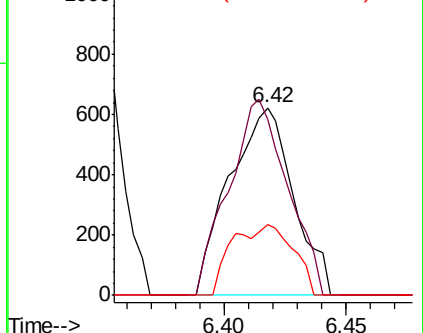
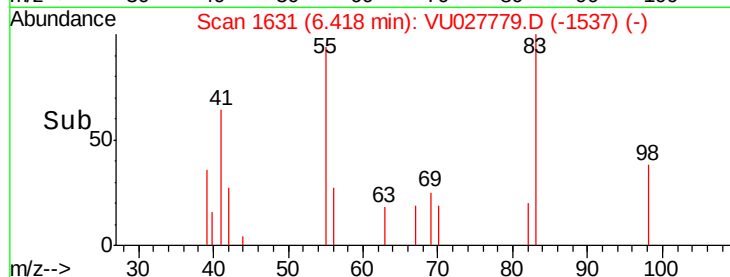
98 36.1 35.4 53.0



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: 0.210 ug/L

RT: 6.45 min Scan# 1640

Delta R.T. 0.01 min

Lab File: VU027779.D

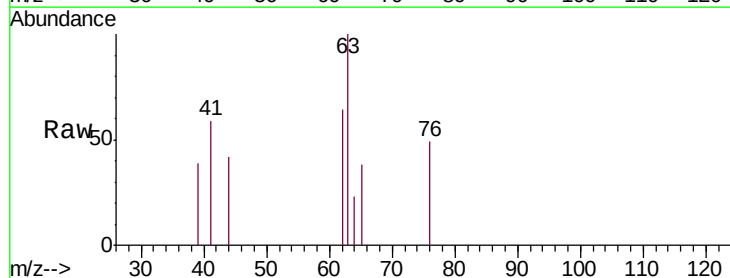
Acq: 24 Oct 2018 12:35

Tgt Ion: 63 Resp: 791

Ion Ratio Lower Upper

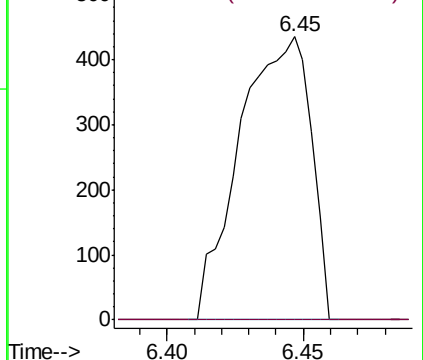
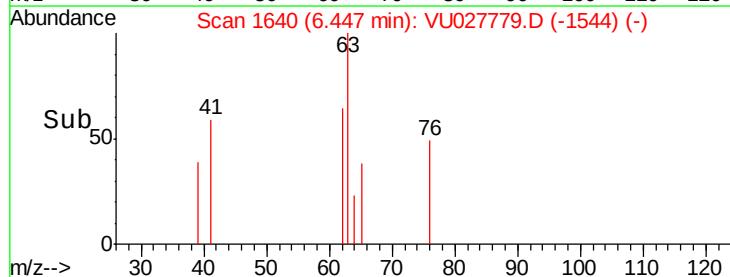
63 100

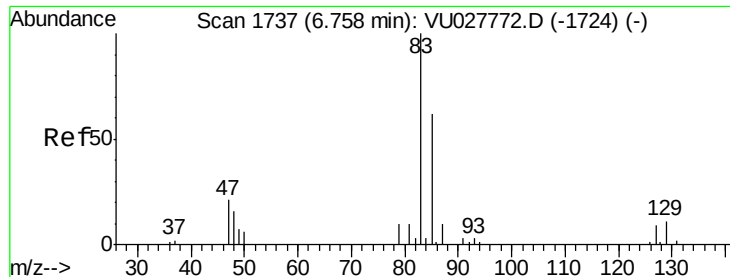
112 0.0 2.7 4.1#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.194 ug/L

RT: 6.76 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

Instrument :

MSVOA_U

ClientSampleId :

MDL03

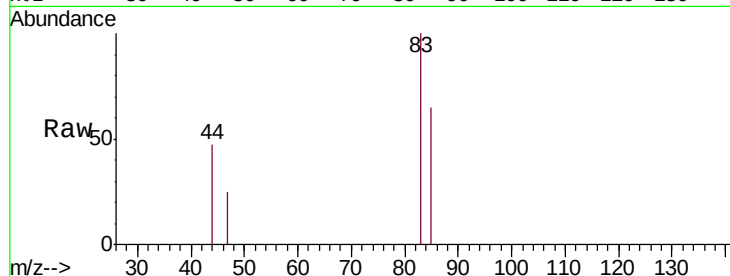
Tgt Ion: 83 Resp: 871

Ion Ratio Lower Upper

83 100

85 65.4 43.3 80.5

127 0.0 7.2 10.8#



Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): VU0

6.76

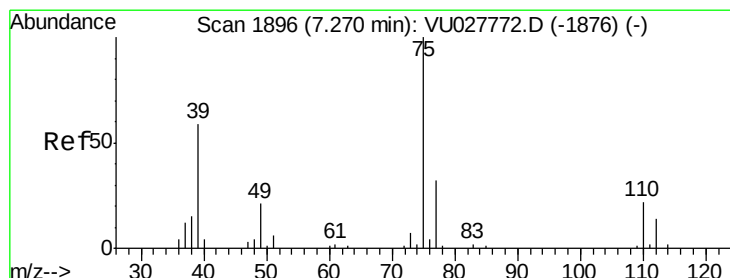
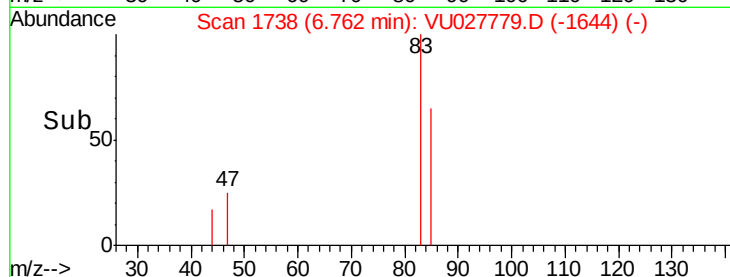
400

200

0

6.75 6.80

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.180 ug/L

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU027779.D

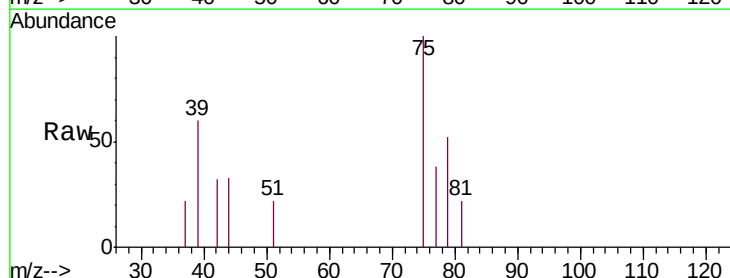
Acq: 24 Oct 2018 12:35

Tgt Ion: 75 Resp: 971

Ion Ratio Lower Upper

75 100

77 38.4 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.27

500

400

300

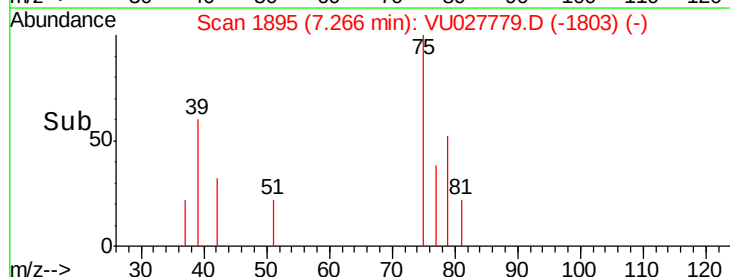
200

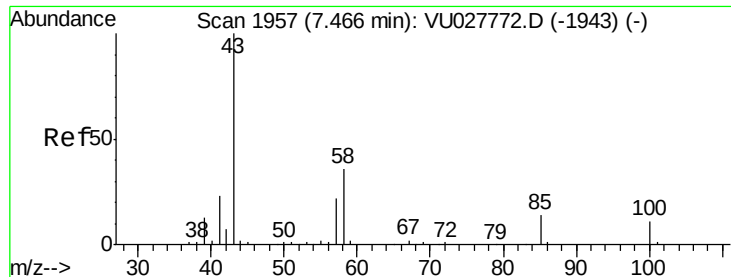
100

0

7.24 7.26 7.28 7.30

Time-->

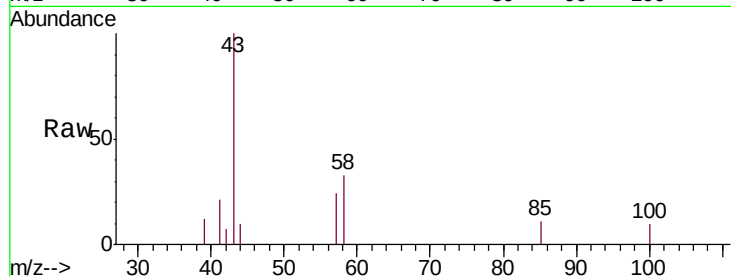




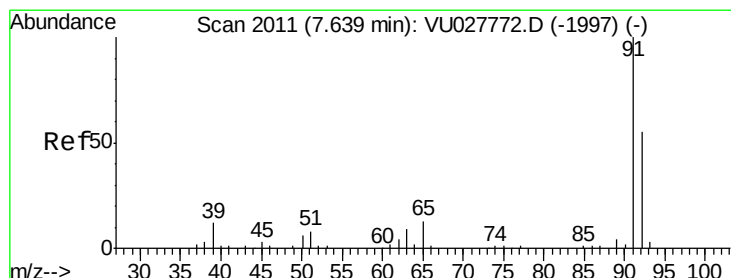
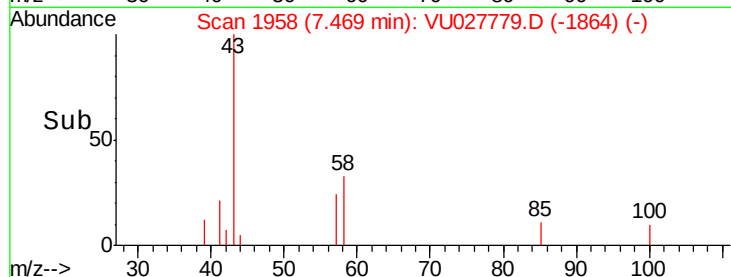
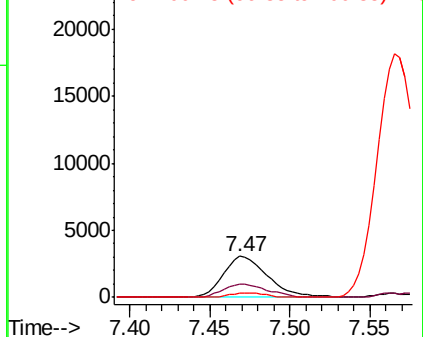
#40
4-Methyl-2-pentanone
Concen: 2.051 ug/L
RT: 7.47 min Scan# 1958
Delta R.T. 0.00 min
Lab File: VU027779.D
Acq: 24 Oct 2018 12:35

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion: 43 Resp: 5781
Ion Ratio Lower Upper
43 100
58 31.7 28.1 42.1
100 0.0 8.7 13.1#

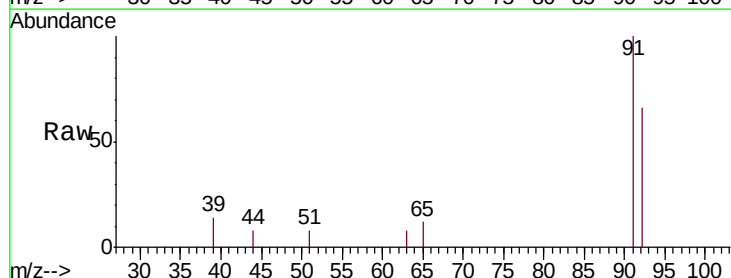


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 100.15 (99.85 to 100.85): VU0

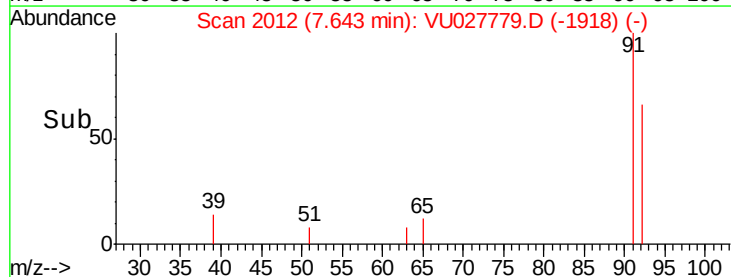
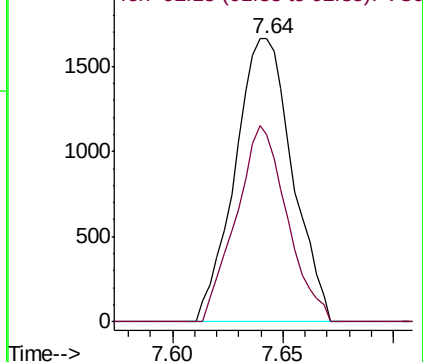


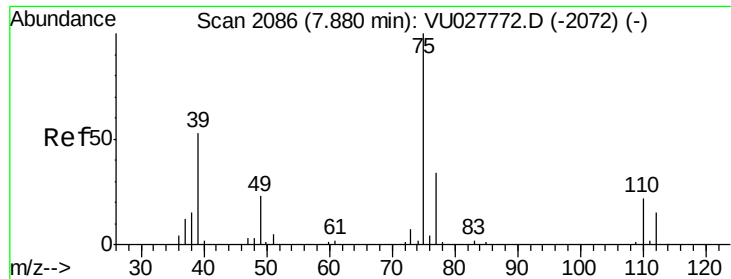
#42
Toluene
Concen: 0.217 ug/L
RT: 7.64 min Scan# 2012
Delta R.T. 0.00 min
Lab File: VU027779.D
Acq: 24 Oct 2018 12:35

Tgt Ion: 91 Resp: 3006
Ion Ratio Lower Upper
91 100
92 66.4 38.6 71.8



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.195 ug/L

RT: 7.89 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

Instrument :

MSVOA_U

ClientSampleId :

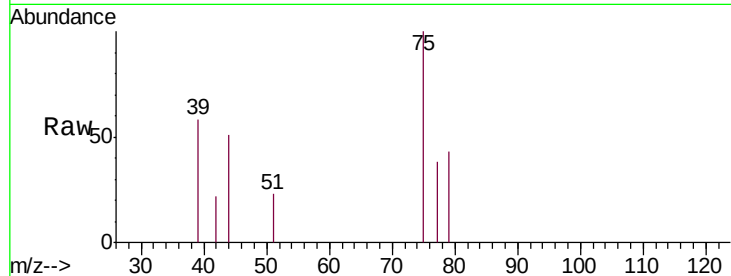
MDL03

Tgt Ion: 75 Resp: 887

Ion Ratio Lower Upper

75 100

77 38.0 23.5 43.7



Abundance Ion 75.05 (74.75 to 75.75): VU027772.D (-2072) (-)

Ion 77.05 (76.75 to 77.75): VU027772.D (-2072) (-)

600

500

400

300

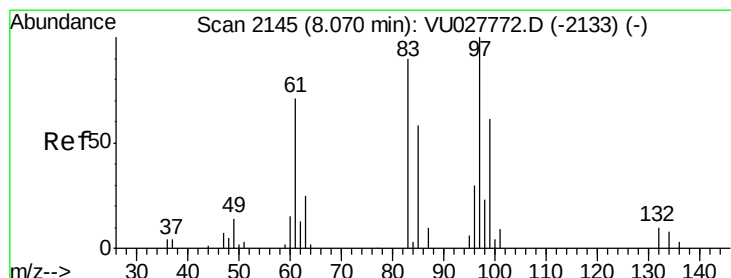
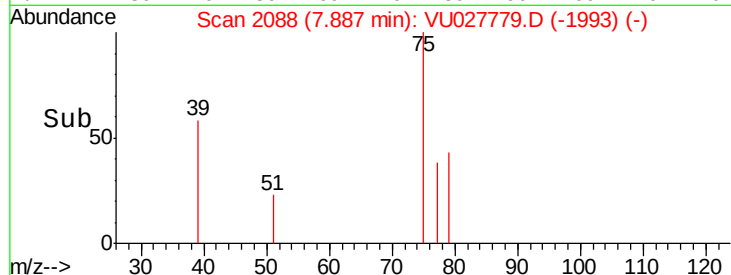
200

100

0

7.86 7.88 7.90 7.92

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.171 ug/L

RT: 8.07 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

Tgt Ion: 97 Resp: 390

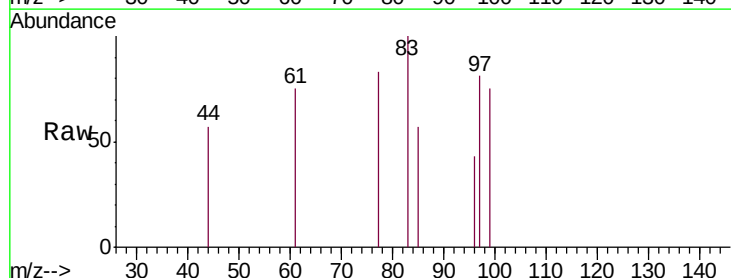
Ion Ratio Lower Upper

97 100

99 92.2 42.8 79.6#

83 123.0 62.9 116.9#

85 70.5 40.8 75.8



Abundance Ion 96.95 (96.65 to 97.65): VU027772.D (-2133) (-)

Ion 99.05 (98.75 to 99.75): VU027772.D (-2133) (-)

Ion 82.95 (82.65 to 83.65): VU027772.D (-2133) (-)

Ion 85.00 (84.70 to 85.70): VU027772.D (-2133) (-)

400

300

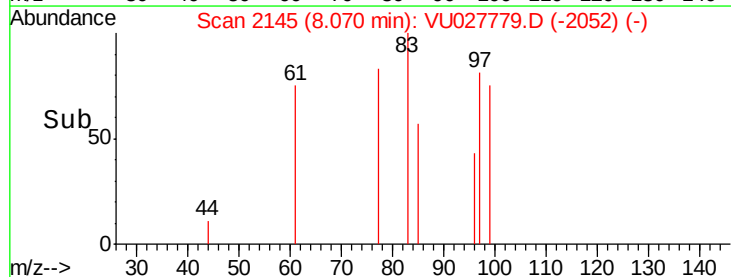
200

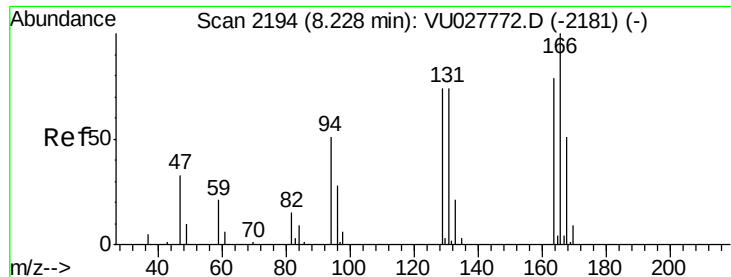
100

0

8.04 8.06 8.08 8.10

Time-->

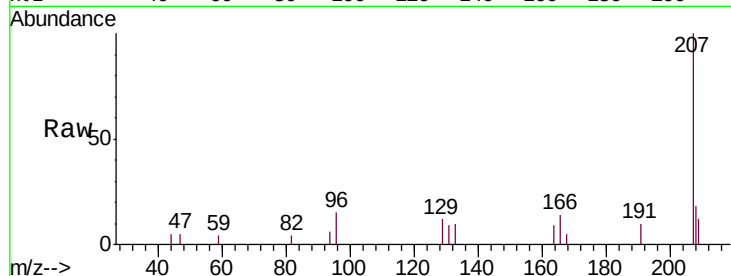




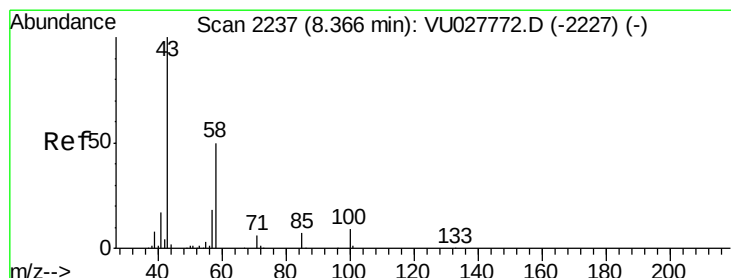
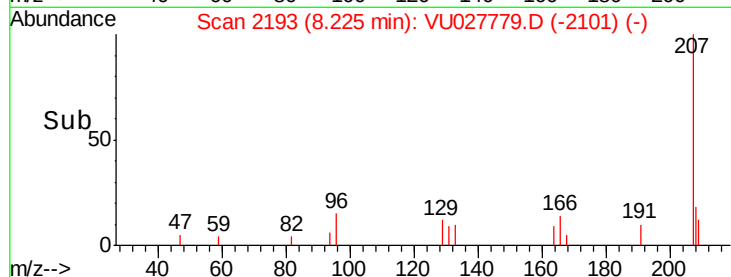
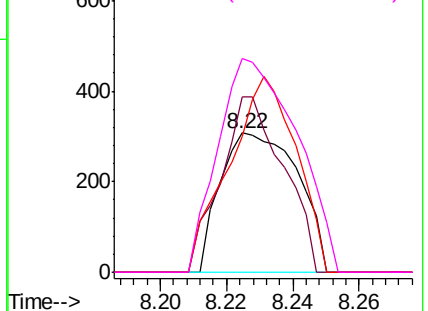
#47
Tetrachloroethene
Concen: 0.185 ug/L
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU027779.D
Acq: 24 Oct 2018 12:35

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion: 164 Resp: 501
Ion Ratio Lower Upper
164 100
129 126.1 65.6 121.8#
131 97.4 65.0 120.8
166 153.7 88.3 164.1

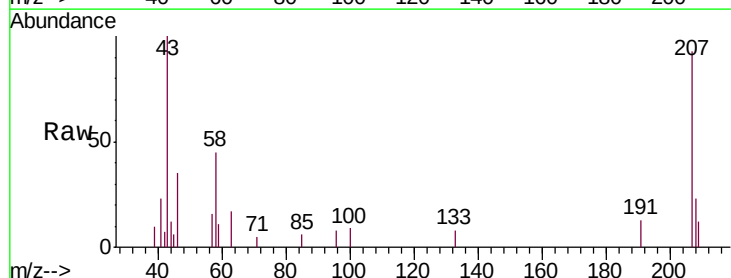


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

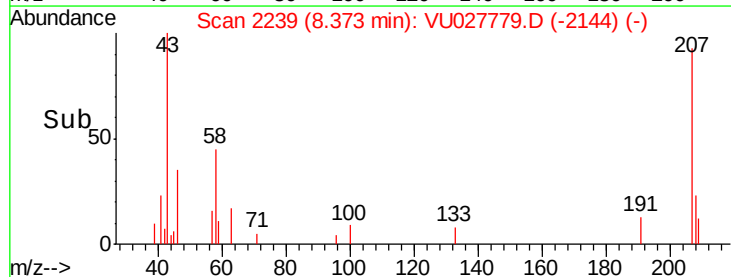
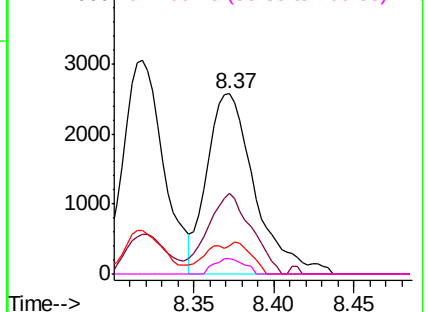


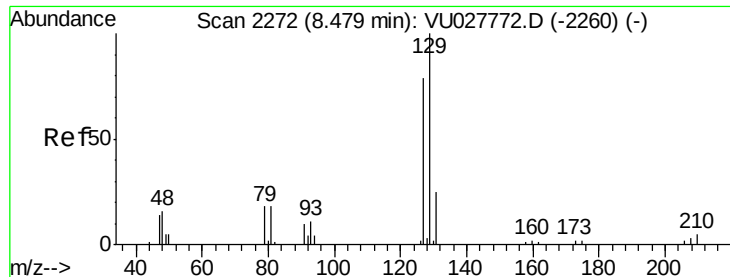
#48
2-Hexanone
Concen: 2.651 ug/L
RT: 8.37 min Scan# 2239
Delta R.T. 0.01 min
Lab File: VU027779.D
Acq: 24 Oct 2018 12:35

Tgt Ion: 43 Resp: 5309
Ion Ratio Lower Upper
43 100
58 40.8 39.4 59.0
57 16.5 13.8 20.8
100 5.3 6.7 10.1#



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

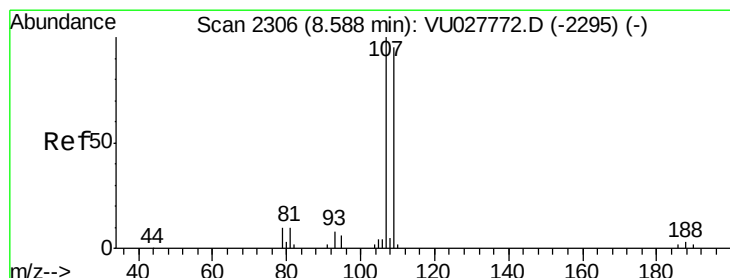
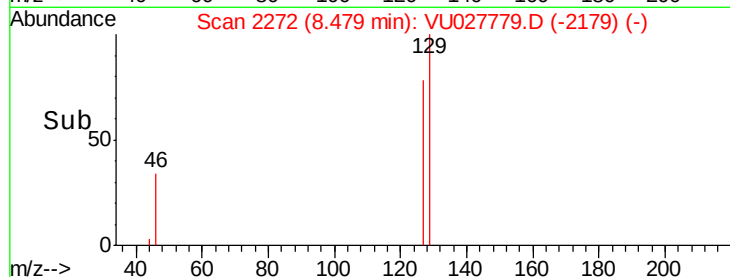
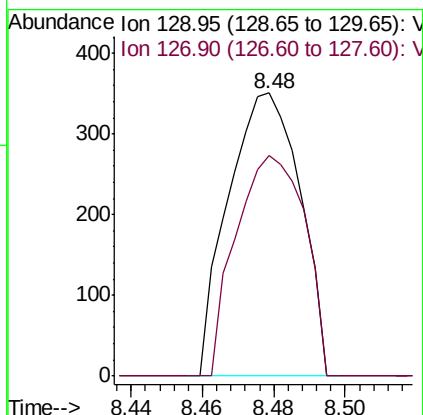
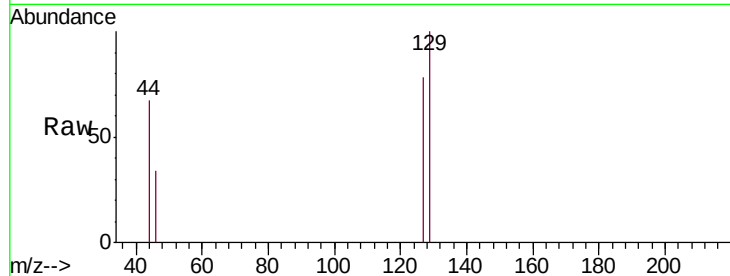




#49
 Dibromochloromethane
 Concen: 0.168 ug/L
 RT: 8.48 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VU027779.D
 Acq: 24 Oct 2018 12:35

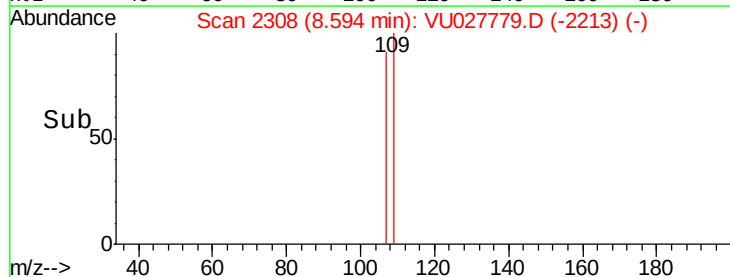
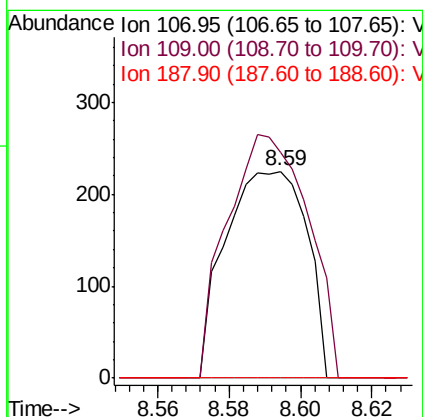
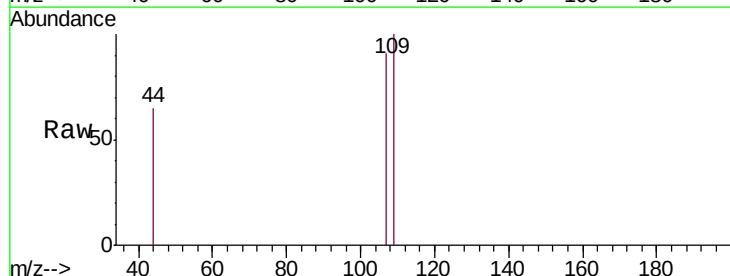
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

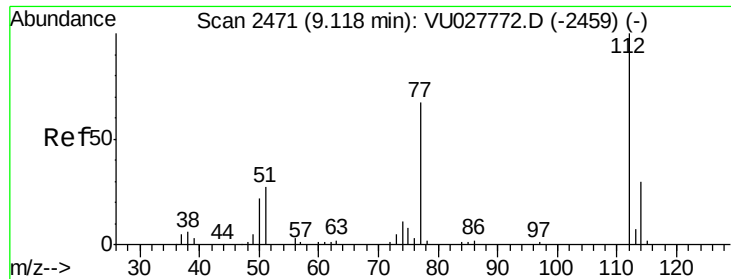
Tgt Ion:129 Resp: 487
 Ion Ratio Lower Upper
 129 100
 127 78.1 55.2 102.4



#50
 1,2-Dibromoethane
 Concen: 0.160 ug/L
 RT: 8.59 min Scan# 2308
 Delta R.T. 0.01 min
 Lab File: VU027779.D
 Acq: 24 Oct 2018 12:35

Tgt Ion:107 Resp: 353
 Ion Ratio Lower Upper
 107 100
 109 109.3 66.3 123.1
 188 0.0 2.6 3.8#

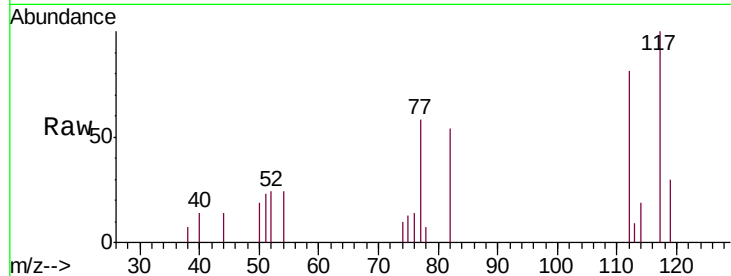




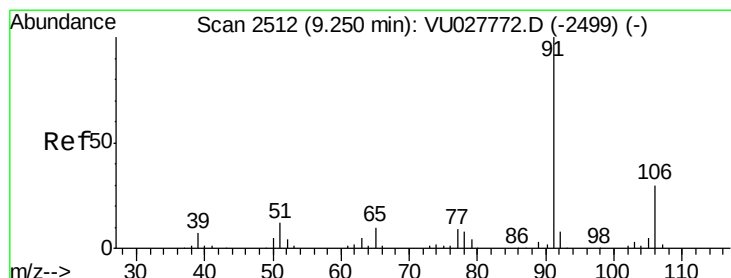
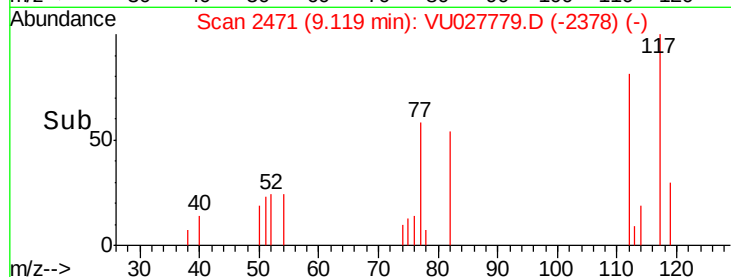
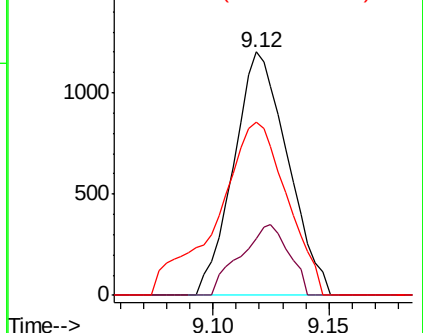
#51
Chlorobenzene
Concen: 0.229 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027779.D
Acq: 24 Oct 2018 12:35

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion: 112 Resp: 1945
Ion Ratio Lower Upper
112 100
114 23.5 21.2 39.4
77 71.0 54.2 81.4

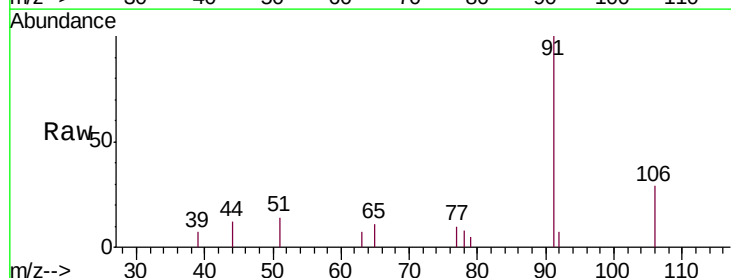


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

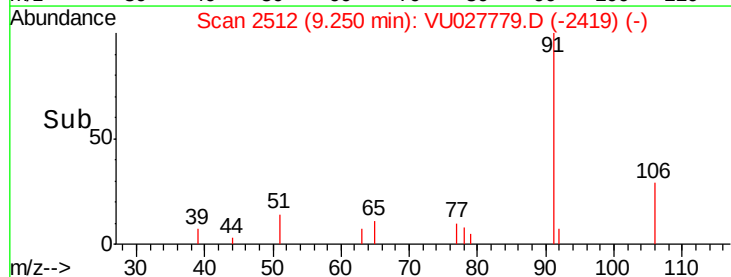
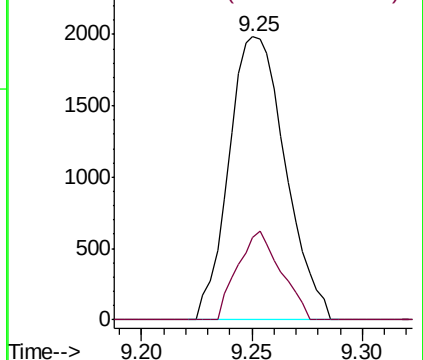


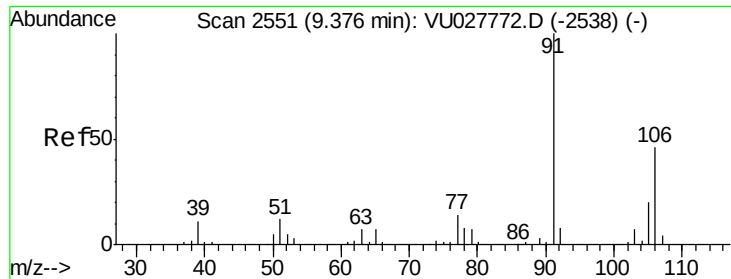
#52
Ethylbenzene
Concen: 0.220 ug/L
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027779.D
Acq: 24 Oct 2018 12:35

Tgt Ion: 91 Resp: 3532
Ion Ratio Lower Upper
91 100
106 29.2 20.6 38.4



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





#53

m,p-xylene

Concen: 0.197 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

Instrument :

MSVOA_U

ClientSampleId :

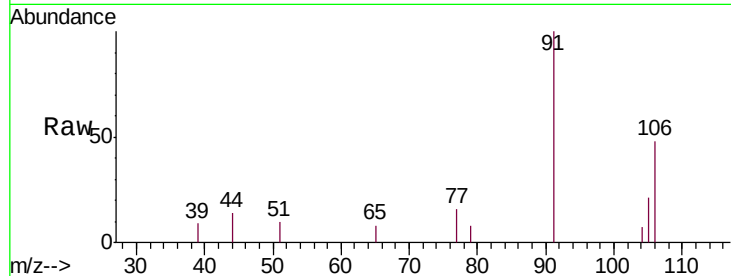
MDL03

Tgt Ion:106 Resp: 1121

Ion Ratio Lower Upper

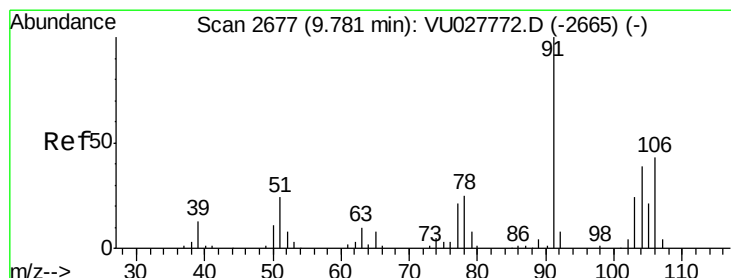
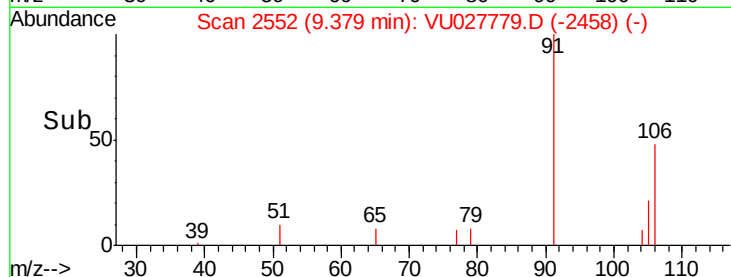
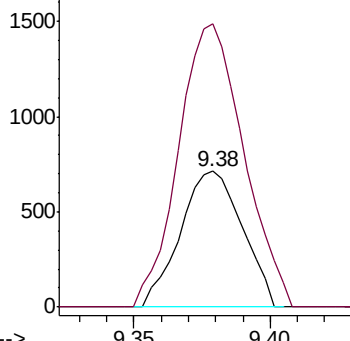
106 100

91 208.4 154.1 286.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-xylene

Concen: 0.213 ug/L

RT: 9.78 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VU027779.D

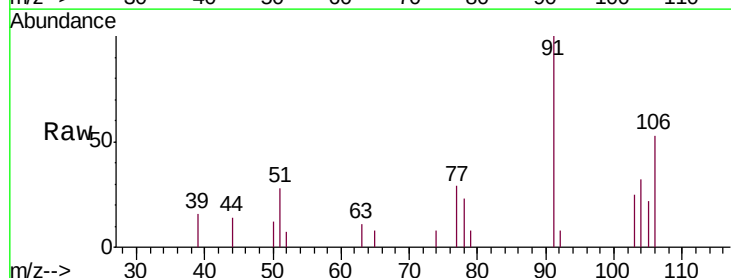
Acq: 24 Oct 2018 12:35

Tgt Ion:106 Resp: 1184

Ion Ratio Lower Upper

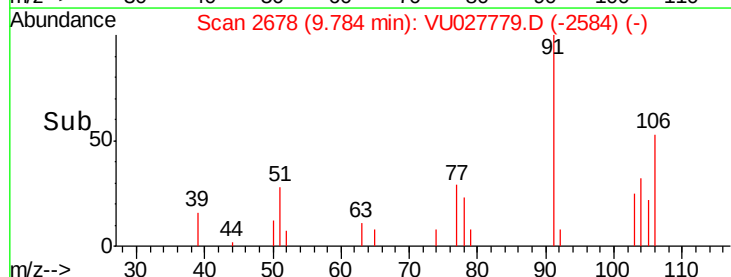
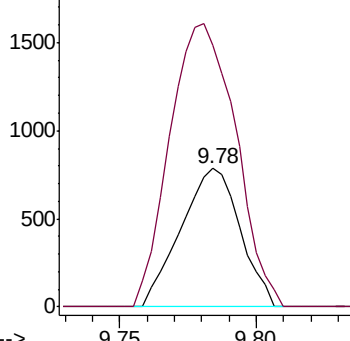
106 100

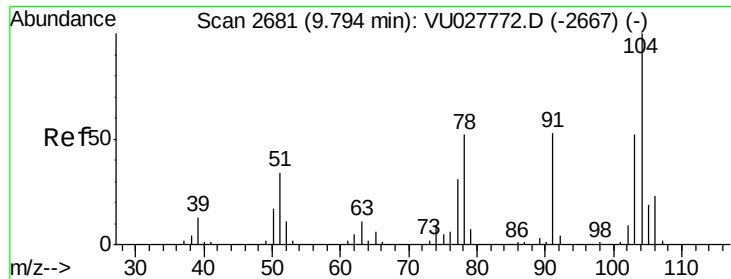
91 188.8 161.3 299.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

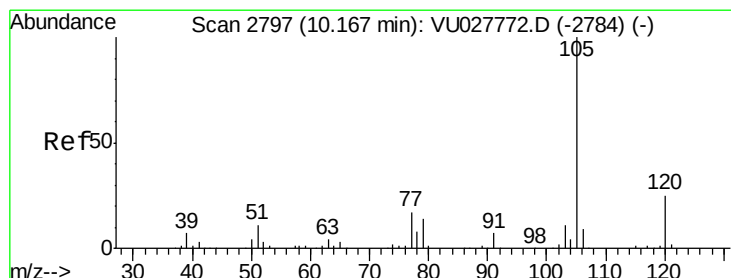
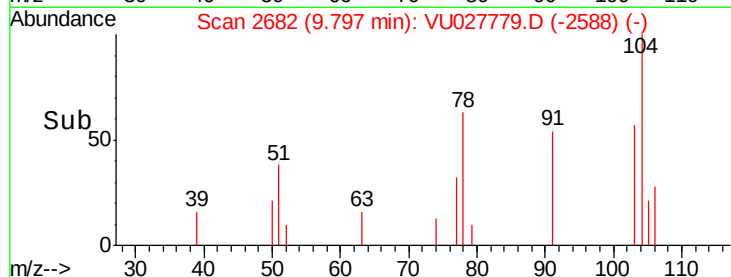
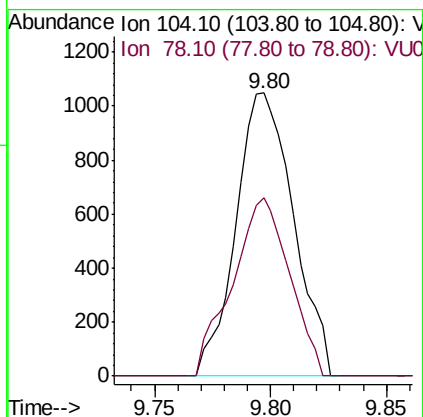
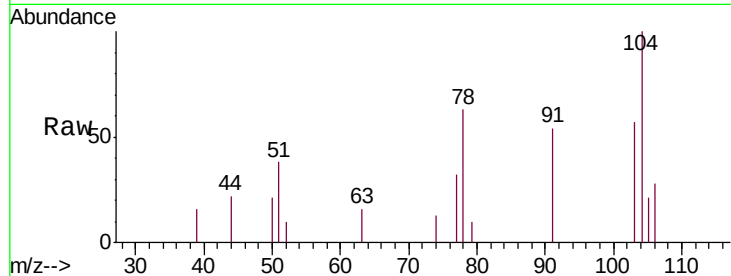




#55
Styrene
Concen: 0.192 ug/L
RT: 9.80 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU027779.D
Acq: 24 Oct 2018 12:35

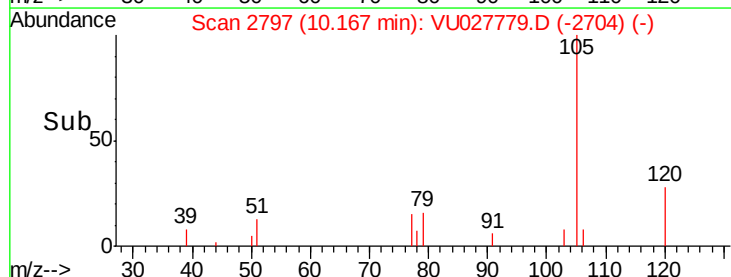
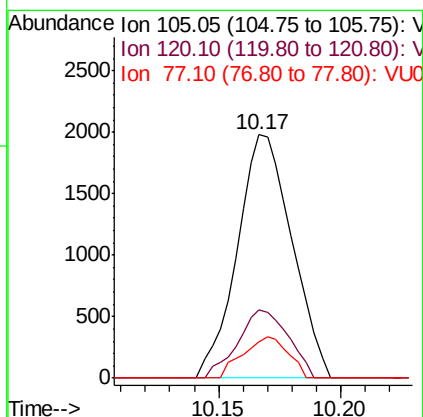
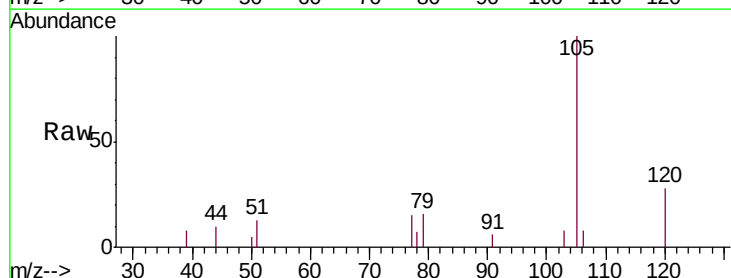
Instrument :
MSVOA_U
ClientSampleId :
MDL03

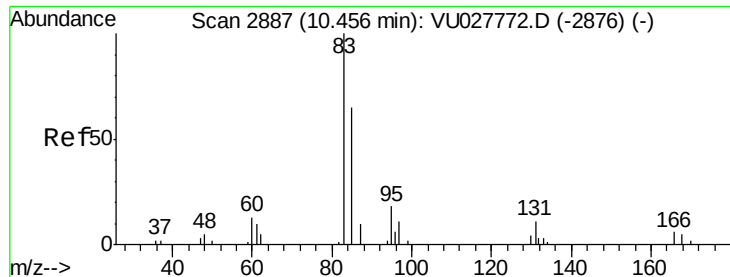
Tgt Ion:104 Resp: 1808
Ion Ratio Lower Upper
104 100
78 63.0 36.3 67.3



#56
Isopropylbenzene
Concen: 0.200 ug/L
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU027779.D
Acq: 24 Oct 2018 12:35

Tgt Ion:105 Resp: 3070
Ion Ratio Lower Upper
105 100
120 26.1 19.9 29.9
77 14.0 13.7 20.5





#58

1,1,2,2-Tetrachloroethane

Concen: 0.197 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

Instrument :

MSVOA_U

ClientSampleId :

MDL03

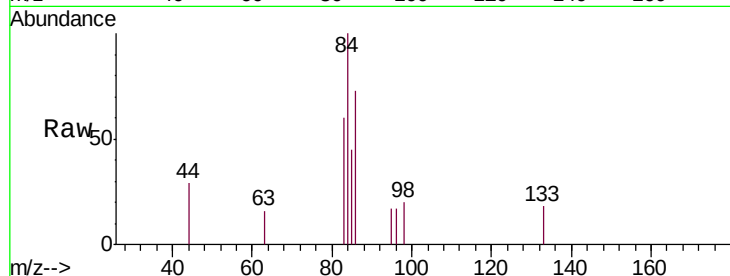
Tgt Ion: 83 Resp: 589

Ion Ratio Lower Upper

83 100

85 73.9 45.5 84.5

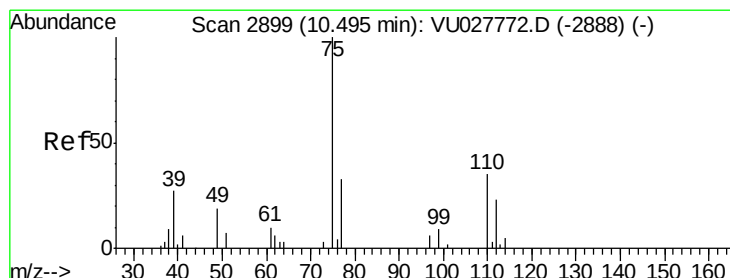
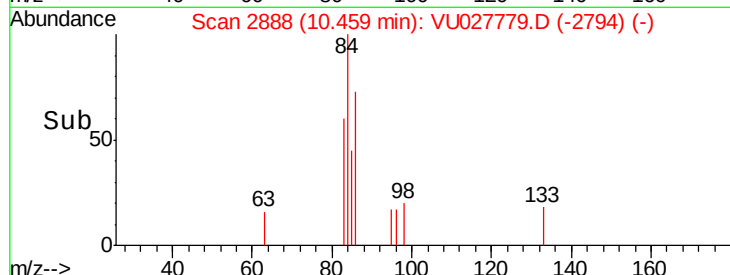
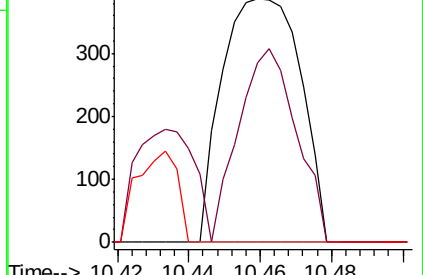
131 0.0 8.8 13.2#



Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V



#59

1,2,3-Trichloropropane

Concen: 1.322 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU027779.D

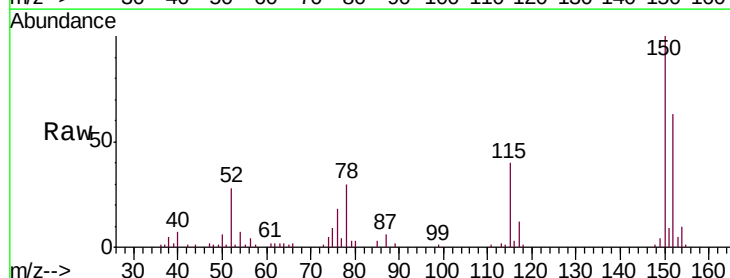
Acq: 24 Oct 2018 12:35

Tgt Ion: 75 Resp: 3138

Ion Ratio Lower Upper

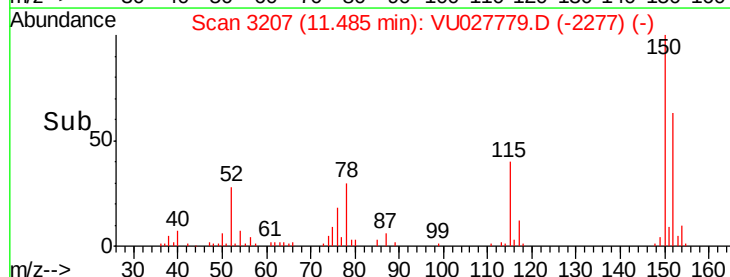
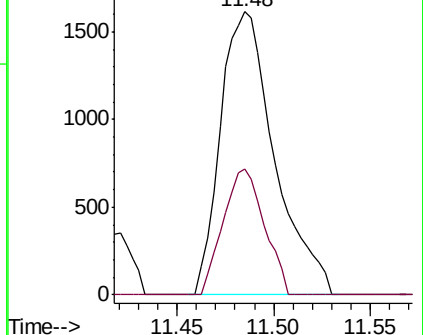
75 100

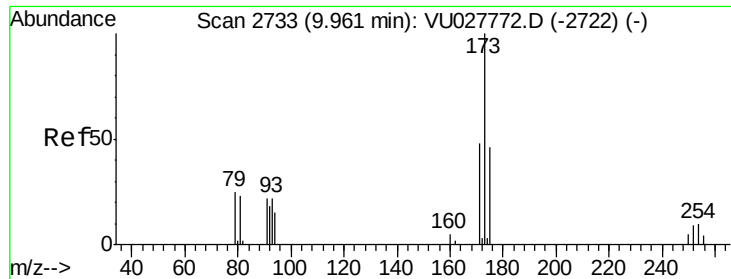
77 33.9 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

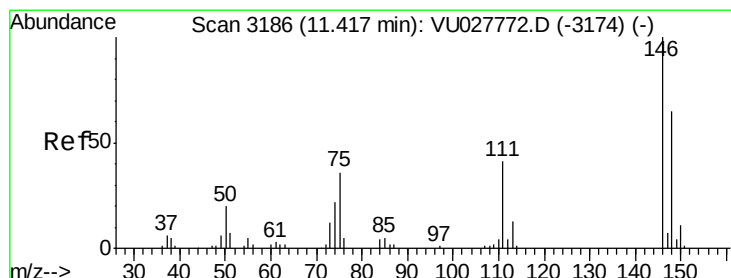
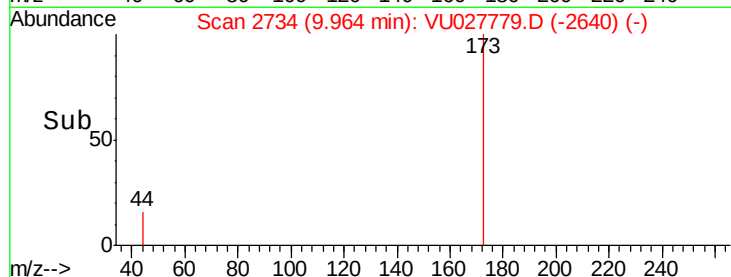
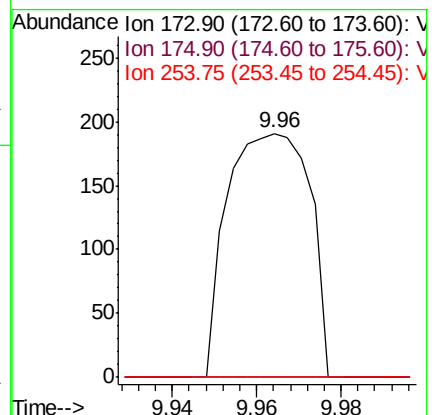
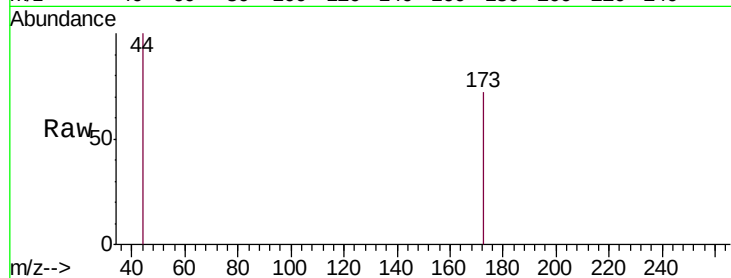




#61
Bromoform
Concen: 0.166 ug/L
RT: 9.96 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU027779.D
Acq: 24 Oct 2018 12:35

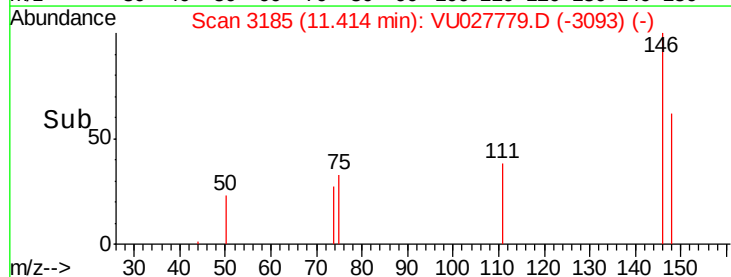
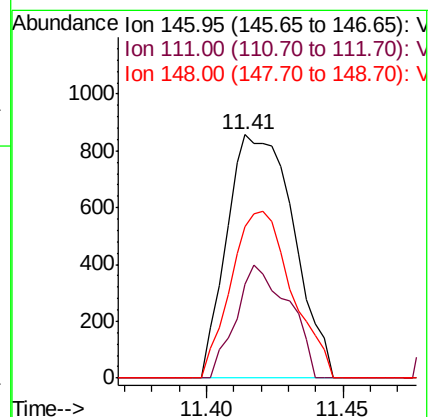
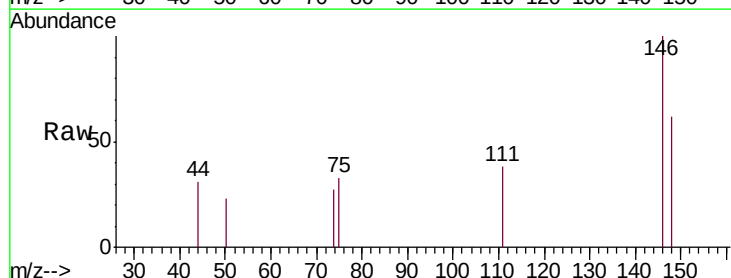
Instrument :
MSVOA_U
ClientSampleId :
MDL03

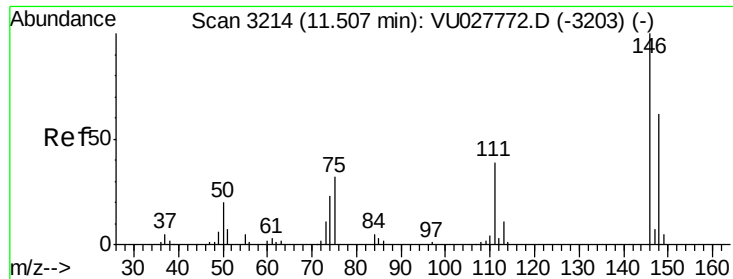
Tgt Ion:173 Resp: 258
Ion Ratio Lower Upper
173 100
175 0.0 37.7 56.5#
254 0.0 7.2 10.8#



#62
1,3-Dichlorobenzene
Concen: 0.223 ug/L
RT: 11.41 min Scan# 3185
Delta R.T. -0.00 min
Lab File: VU027779.D
Acq: 24 Oct 2018 12:35

Tgt Ion:146 Resp: 1452
Ion Ratio Lower Upper
146 100
111 38.3 28.6 53.0
148 62.2 45.1 83.9





#63

1,4-Dichlorobenzene

Concen: 0.239 ug/L

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

Instrument :

MSVOA_U

ClientSampleId :

MDL03

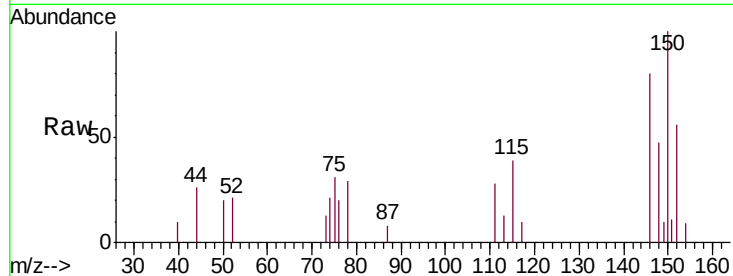
Tgt Ion:146 Resp: 1571

Ion Ratio Lower Upper

146 100

111 35.3 27.6 51.4

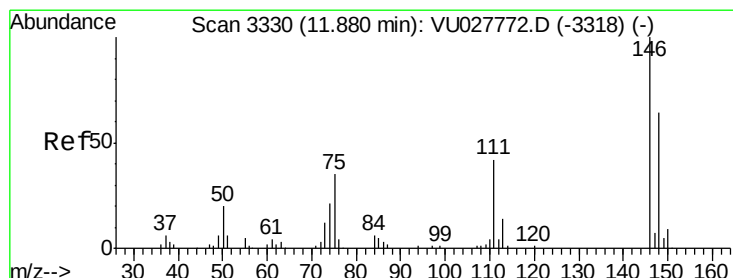
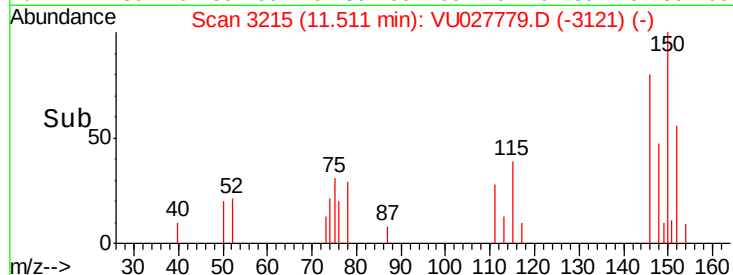
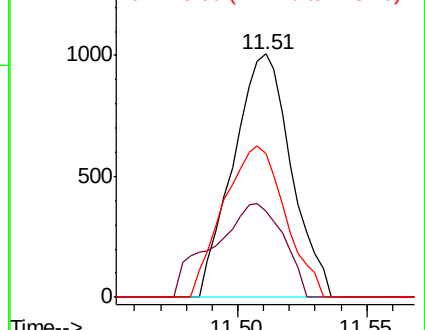
148 59.0 43.3 80.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 0.212 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

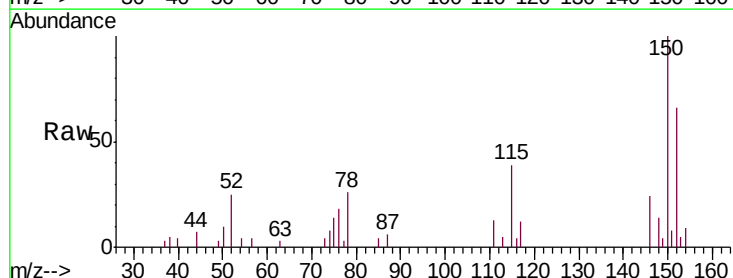
Tgt Ion:146 Resp: 1297

Ion Ratio Lower Upper

146 100

111 53.5 33.7 50.5#

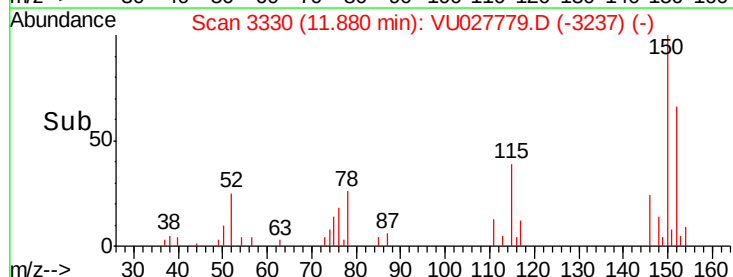
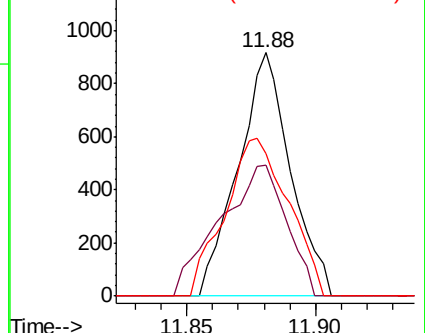
148 58.6 50.8 76.2

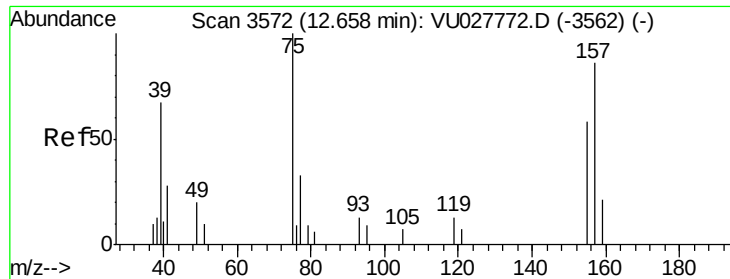


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

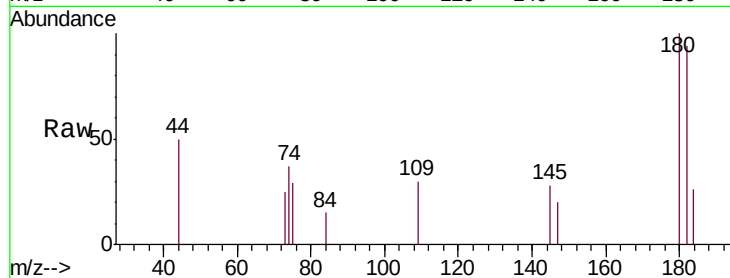




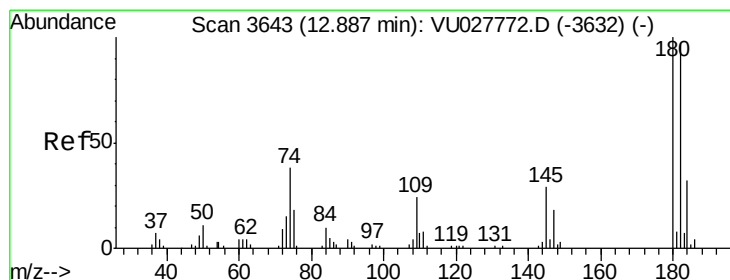
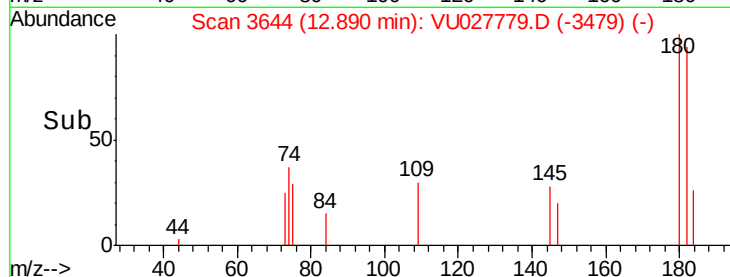
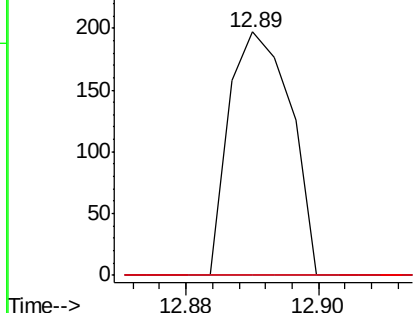
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.260 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.23 min
 Lab File: VU027779.D
 Acq: 24 Oct 2018 12:35

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tgt Ion: 75 Resp: 127
 Ion Ratio Lower Upper
 75 100
 155 0.0 46.2 69.2#
 157 0.0 68.9 103.3#

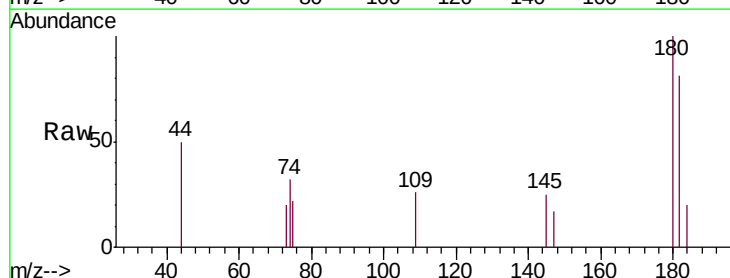


Abundance Ion 75.05 (74.75 to 75.75): VU027772.D (-3562) (-)
 Ion 154.95 (154.65 to 155.65): VU027772.D (-3562) (-)
 Ion 156.90 (156.60 to 157.60): VU027772.D (-3562) (-)

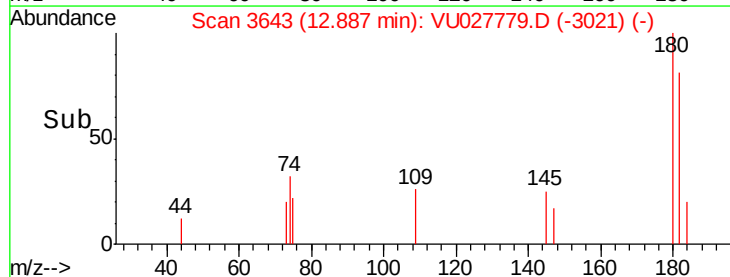
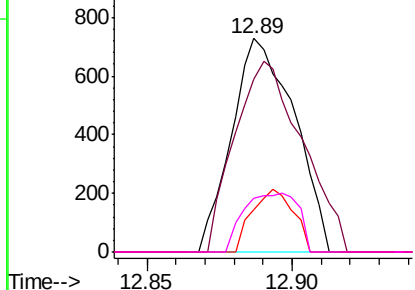


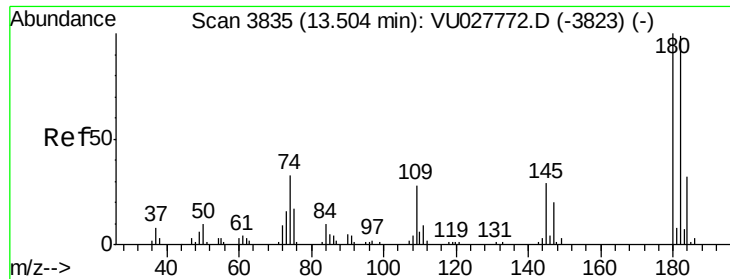
#67
 1,3,5-Trichlorobenzene
 Concen: 0.209 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU027779.D
 Acq: 24 Oct 2018 12:35

Tgt Ion: 180 Resp: 1090
 Ion Ratio Lower Upper
 180 100
 182 96.6 78.9 118.3
 184 19.4 24.6 37.0#
 145 24.0 23.4 35.0



Abundance Ion 180.00 (179.70 to 180.70): VU027772.D (-3632) (-)
 Ion 182.00 (181.70 to 182.70): VU027772.D (-3632) (-)
 Ion 184.00 (183.70 to 184.70): VU027772.D (-3632) (-)
 Ion 145.00 (144.70 to 145.70): VU027772.D (-3632) (-)

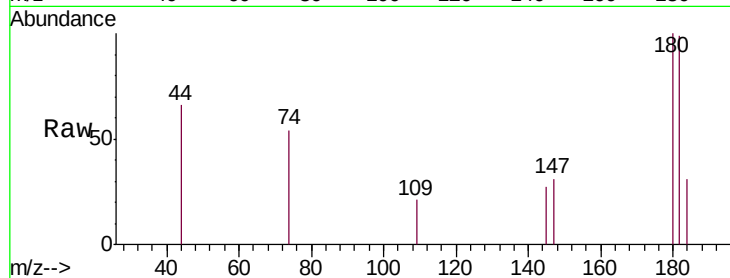




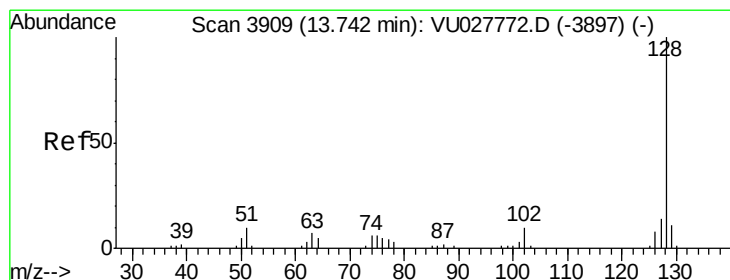
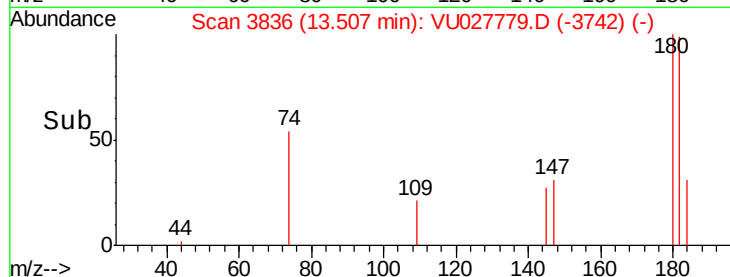
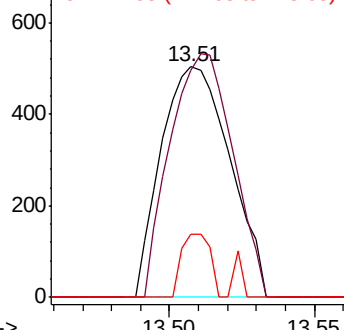
#68
 1,2,4-trichlorobenzene
 Concen: 0.184 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027779.D
 Acq: 24 Oct 2018 12:35

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tgt Ion:180 Resp: 833
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.6 116.4
 145 11.4 23.7 35.5#

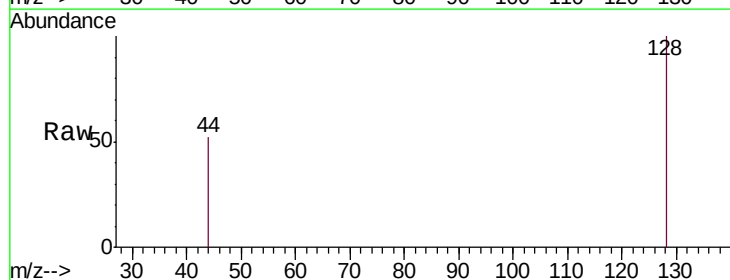


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

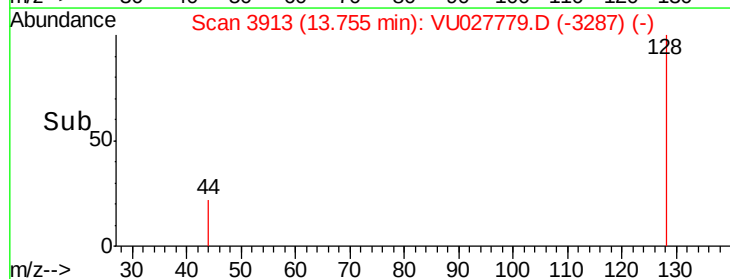
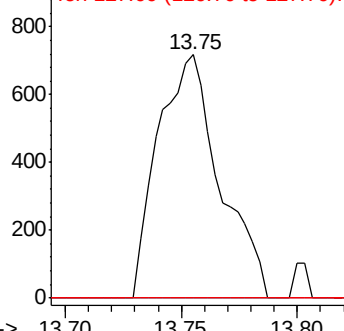


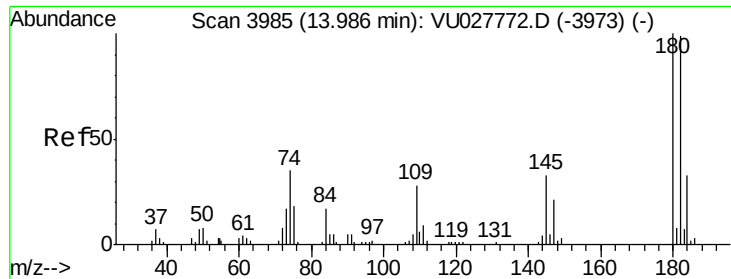
#69
 Naphthalene
 Concen: 0.181 ug/L
 RT: 13.75 min Scan# 3913
 Delta R.T. 0.01 min
 Lab File: VU027779.D
 Acq: 24 Oct 2018 12:35

Tgt Ion:128 Resp: 1333
 Ion Ratio Lower Upper
 128 100
 129 0.0 8.8 13.2#
 127 0.0 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: 0.193 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

Instrument :

MSVOA_U

ClientSampleId :

MDL03

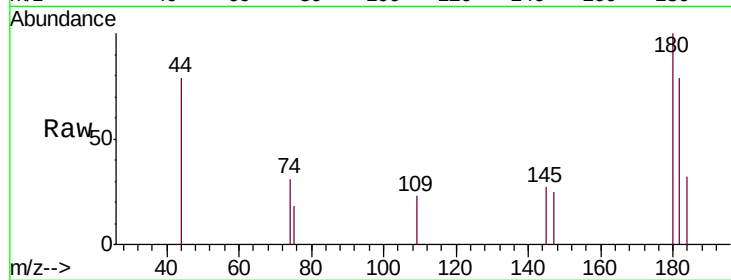
Tgt Ion:180 Resp: 809

Ion Ratio Lower Upper

180 100

182 85.8 76.9 115.3

145 16.4 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

