

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

Manual Integrations
APPROVED

MMDadoda
10/26/2018 11:26:28 AM

Quant Time: Oct 25 06:36:06 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	1942m	2.732 ug/L	
14) Carbon disulfide	2.48	76	2176	0.244 ug/L	97
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
25) Chloroform	4.67	83	1528	0.247 ug/L	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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	5.14	117	964m	0.202	ug/L	
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
38) Bromodichloromethane	6.76	83	871m	0.194	ug/L	
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	353m	0.160	ug/L	
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	589m	0.197	ug/L	
59) 1,2,3-Trichloropropane	10.50	75	497m	0.209	ug/L	
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
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
70) 1,2,3-Trichlorobenzene	13.99	180	809	0.193	ug/L #	86

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

Data File : VU027779.D

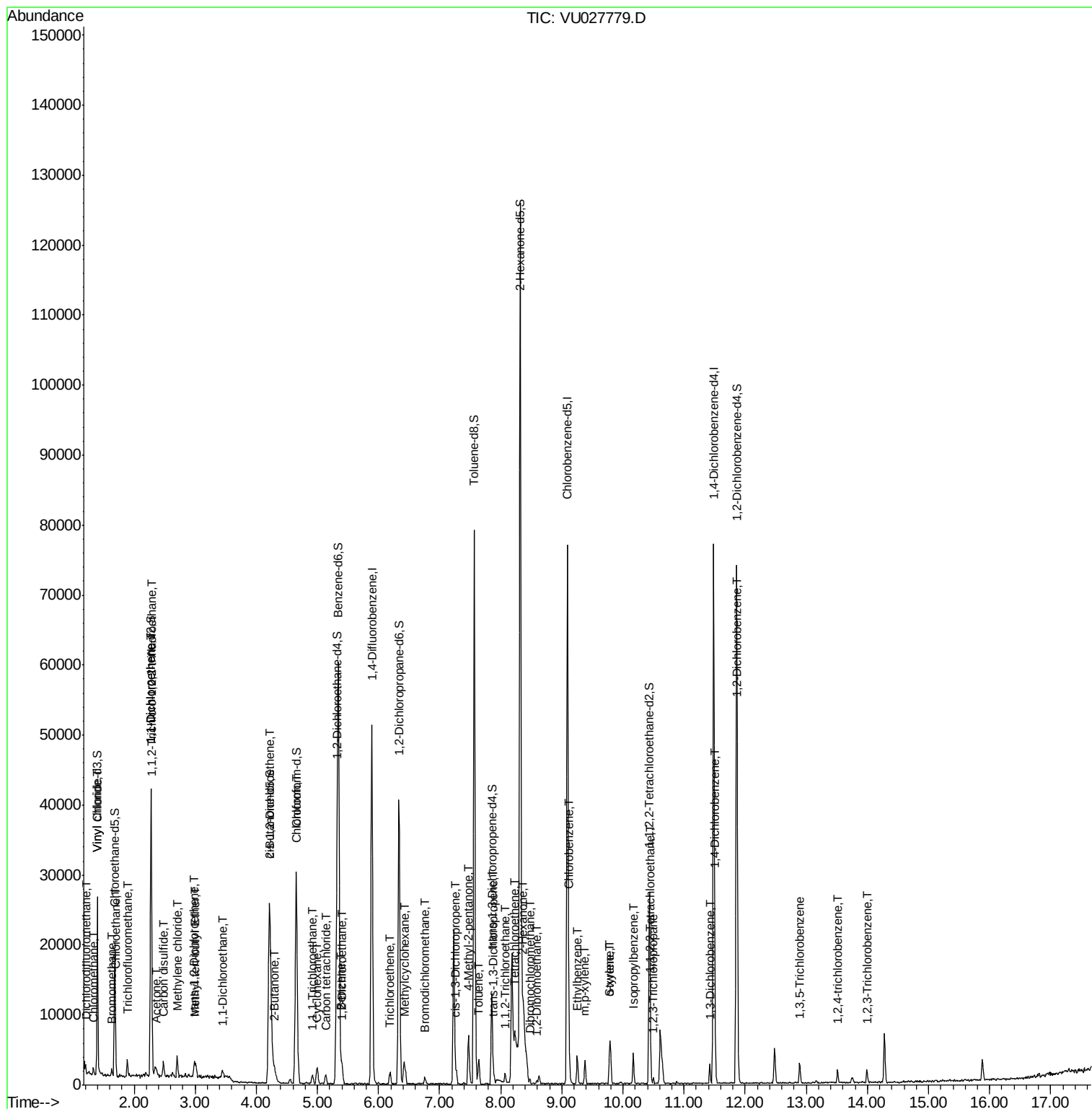
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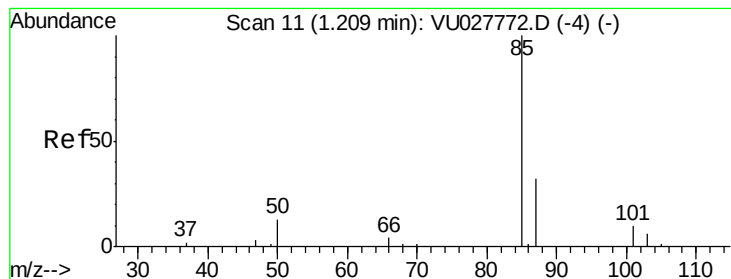
Instrument :
MSVOA_U
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#2

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

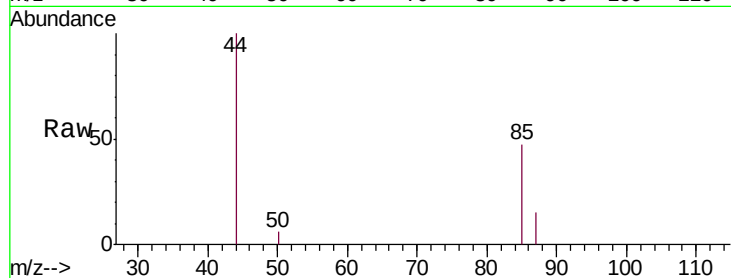
87 26.7 25.4 38.0

Manual Integrations

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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

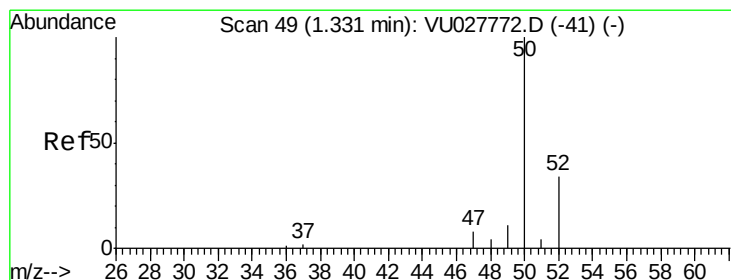
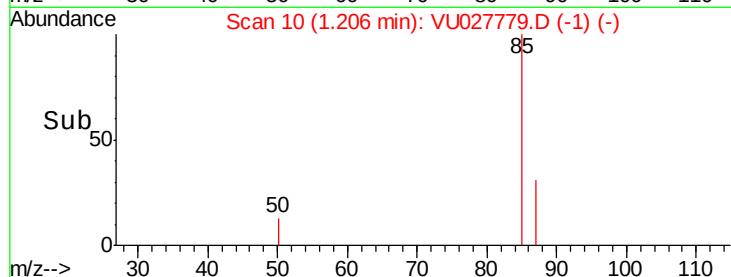
0

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

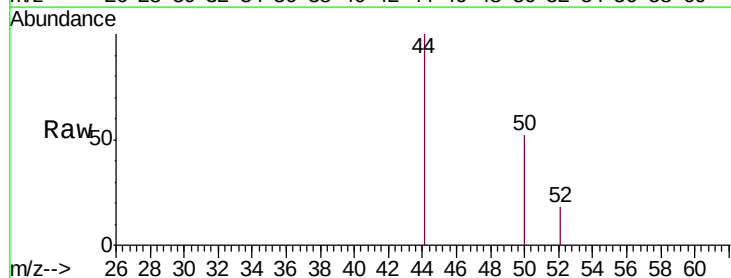
Acq: 24 Oct 2018 12:35

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

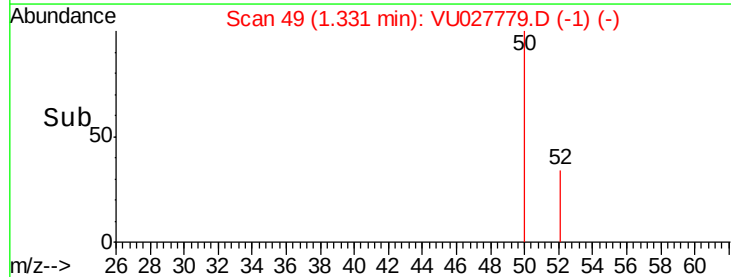
1.30

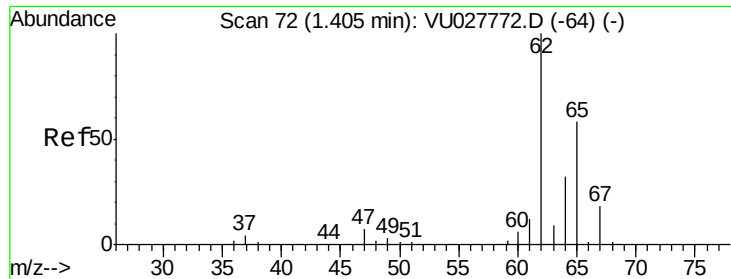
1.32

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

ClientSampled :

MDL03

Tgt Ion: 62 Resp: 995

Ion Ratio Lower Upper

62 100

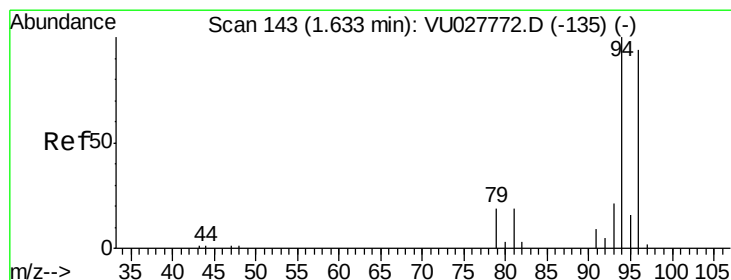
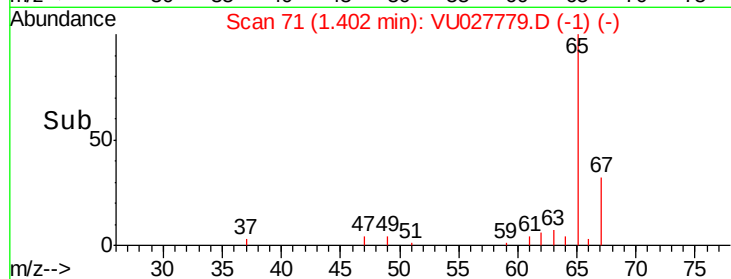
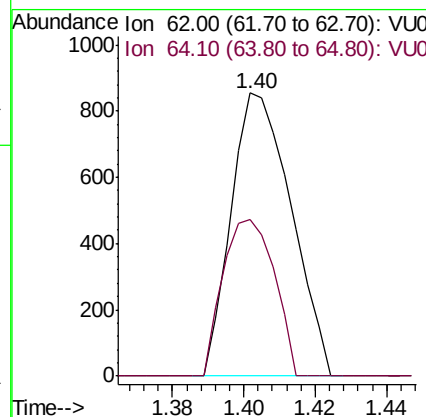
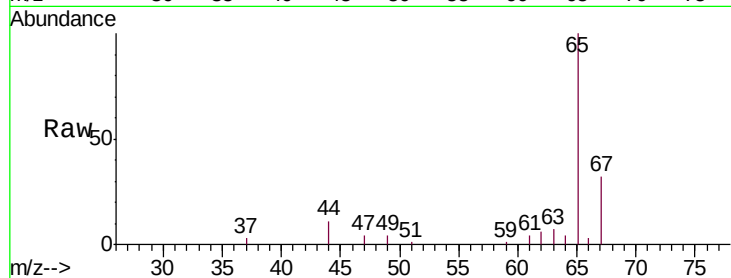
64 55.3 22.7 42.1#

Manual Integrations

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#6

Bromomethane

Concen: 0.228 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027779.D

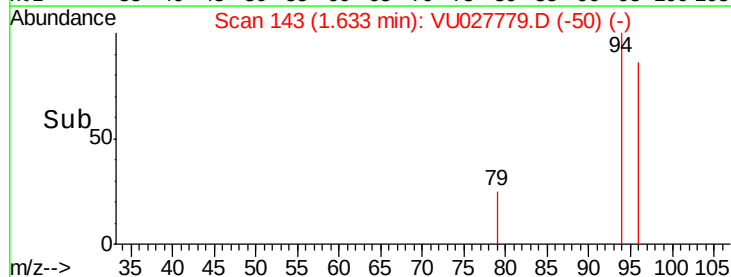
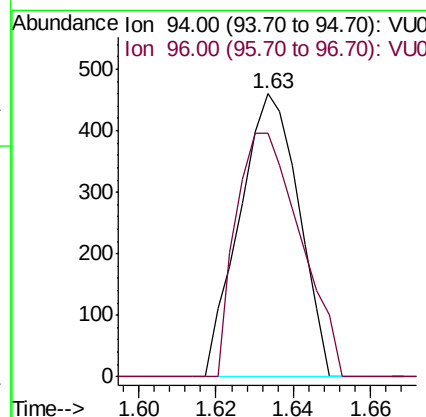
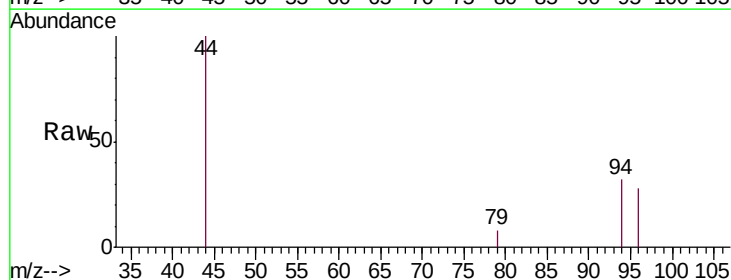
Acq: 24 Oct 2018 12:35

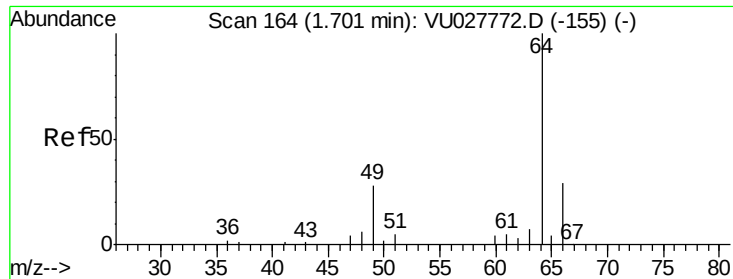
Tgt Ion: 94 Resp: 488

Ion Ratio Lower Upper

94 100

96 86.1 65.5 121.7





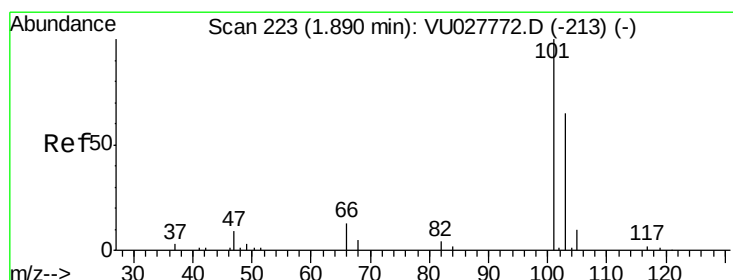
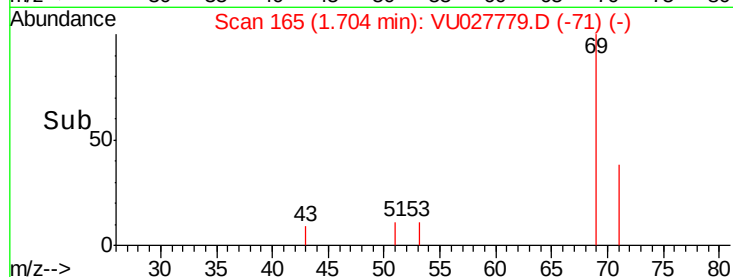
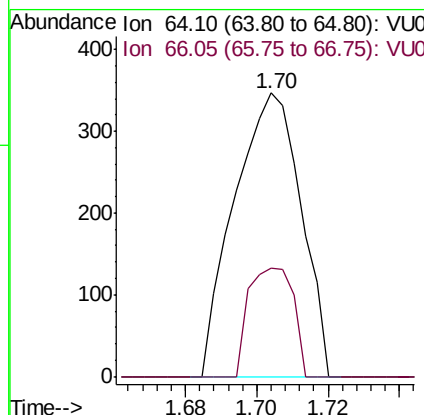
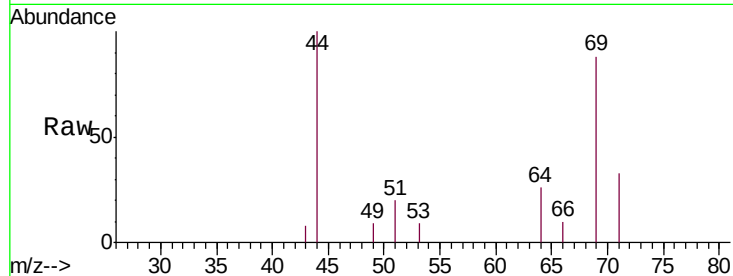
#8
Chloroethane
Concen: 0.198 ug/L
RT: 1.70 min Scan# 165
Delta R.T. 0.00 min
Lab File: VU027779.D
Acq: 24 Oct 2018 12:35

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion: 64 Resp: 447
Ion Ratio Lower Upper
64 100
66 38.0 20.3 37.7#

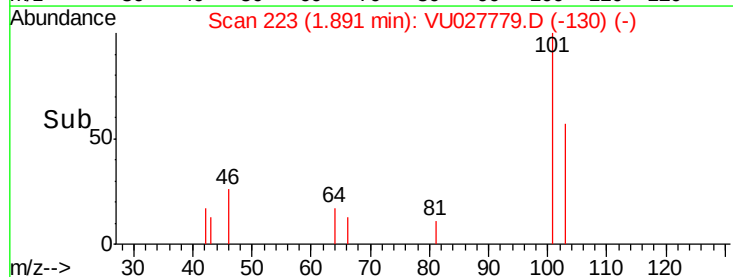
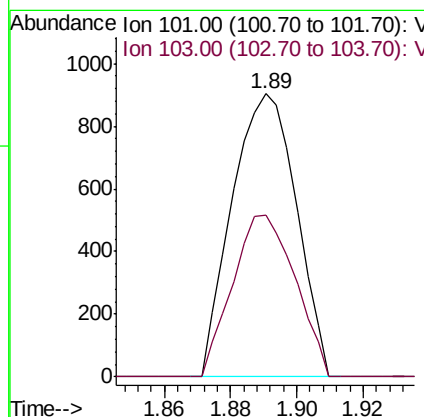
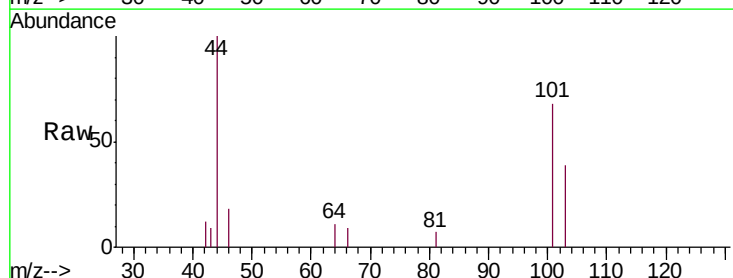
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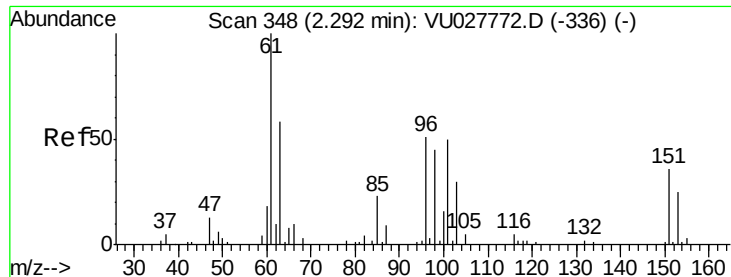
MMDadoda
10/26/2018 11:26:28 AM



#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





#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

Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

Instrument :

MSVOA_U

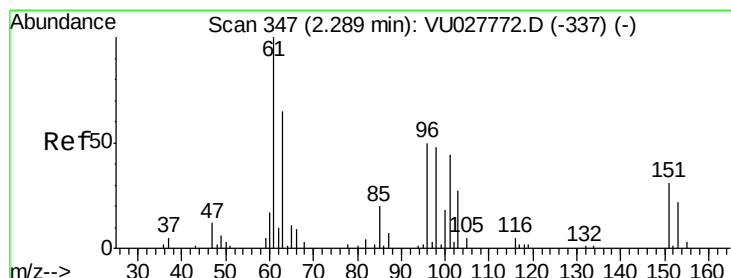
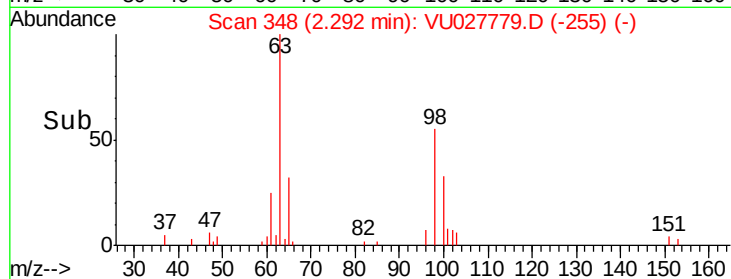
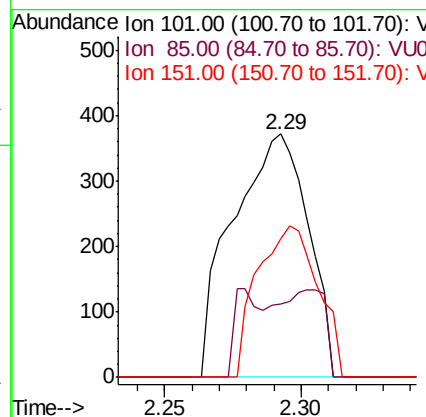
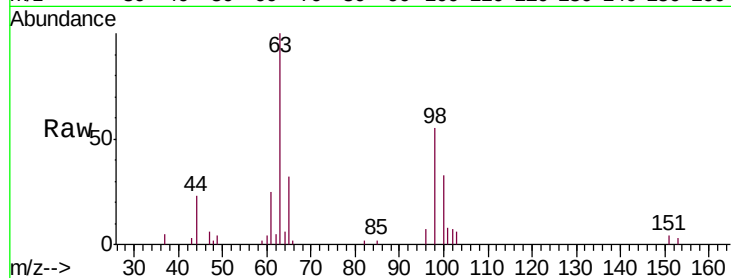
ClientSampled :

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#

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10/26/2018 11:26:28 AM



#12

1,1-Dichloroethene

Concen: 0.274 ug/L

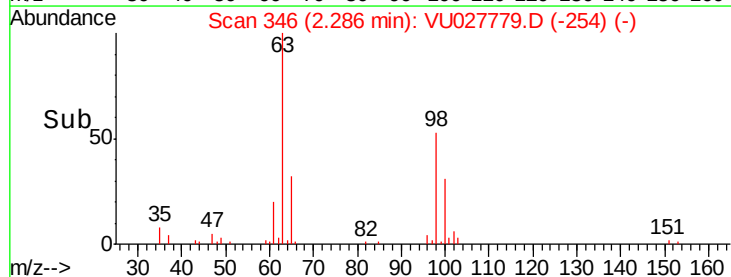
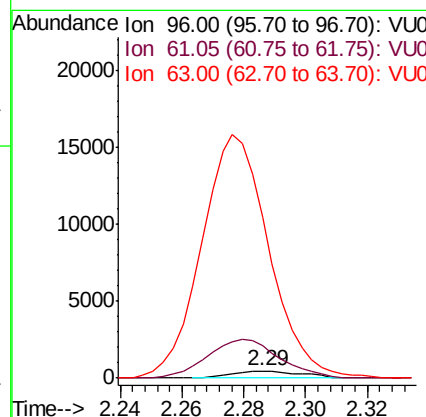
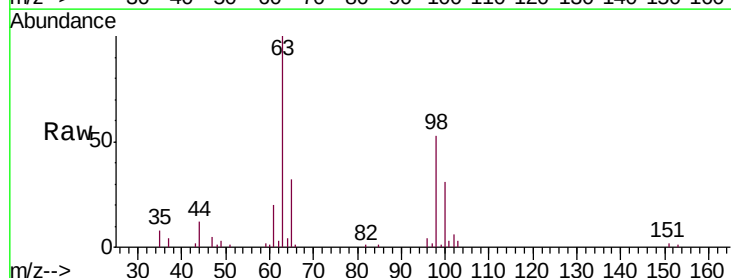
RT: 2.29 min Scan# 346

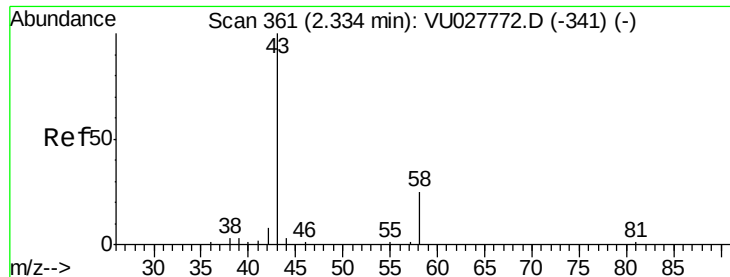
Delta R.T. -0.00 min

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#





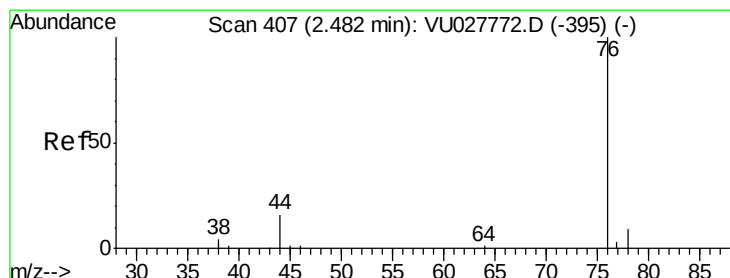
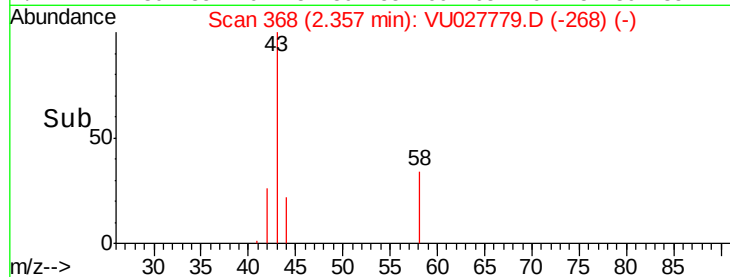
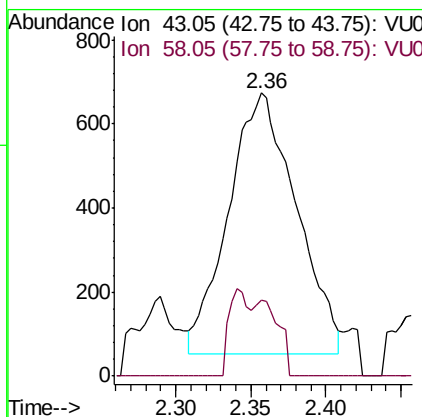
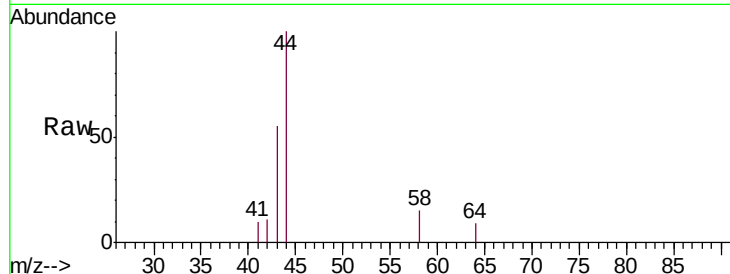
#13
Acetone
Concen: 2.732 ug/L m
RT: 2.36 min Scan# 368
Delta R.T. 0.02 min
Lab File: VU027779.D
Acq: 24 Oct 2018 12:35

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	10.4	0.0	52.8

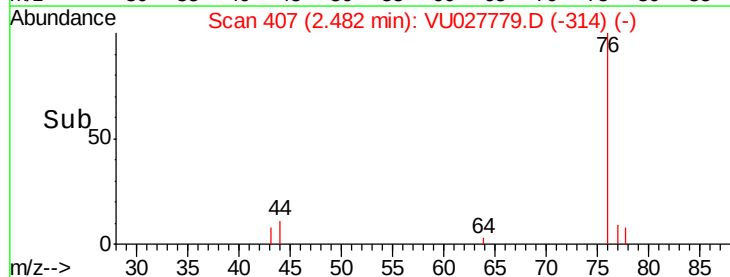
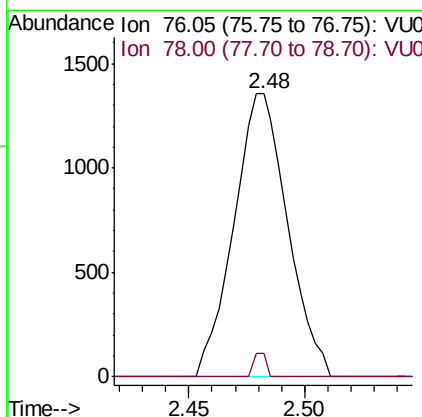
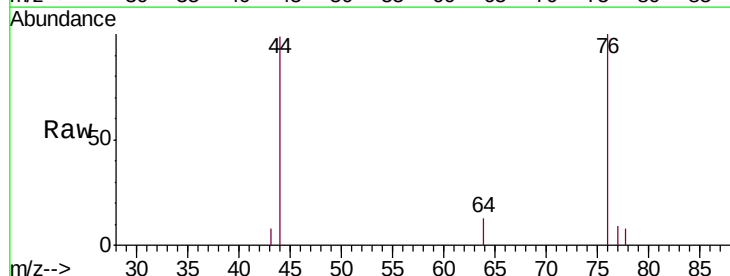
Manual Integrations
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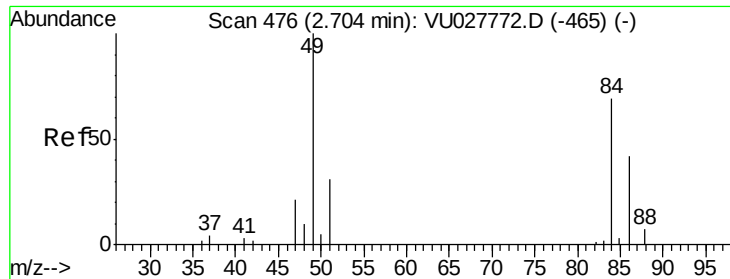
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#14
Carbon disulfide
Concen: 0.244 ug/L
RT: 2.48 min Scan# 407
Delta R.T. 0.00 min
Lab File: VU027779.D
Acq: 24 Oct 2018 12:35

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.4	11.0





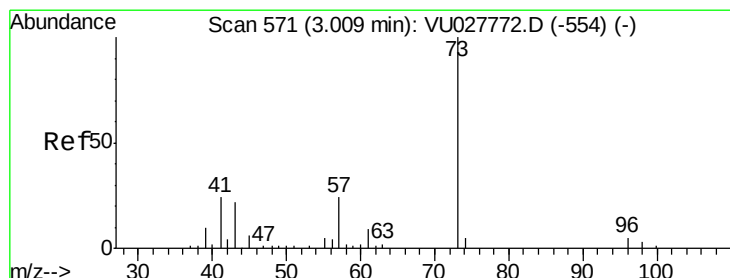
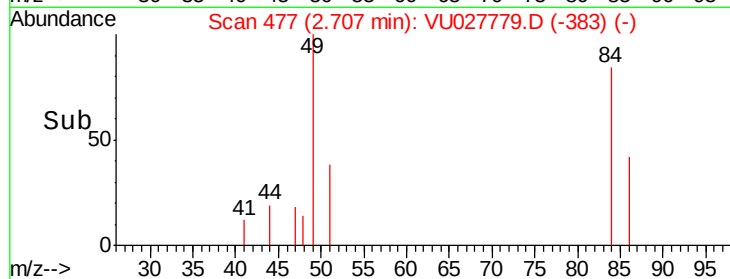
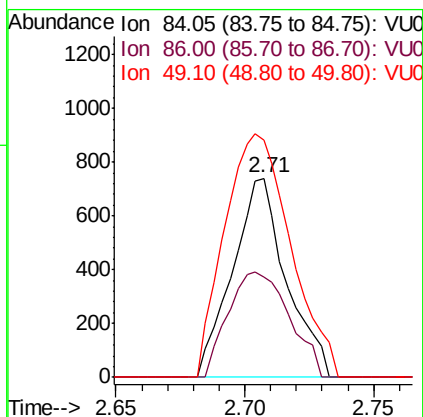
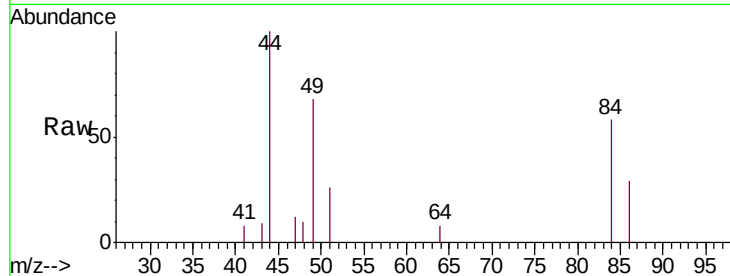
#16
Methylene chloride
Concen: 0.352 ug/L
RT: 2.71 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU027779.D
Acq: 24 Oct 2018 12:35

Instrument :
MSVOA_U
ClientSampled :
MDL03

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

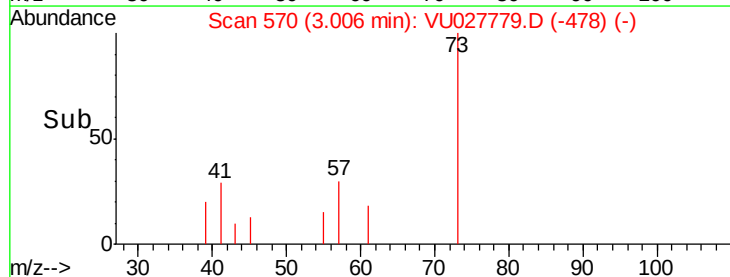
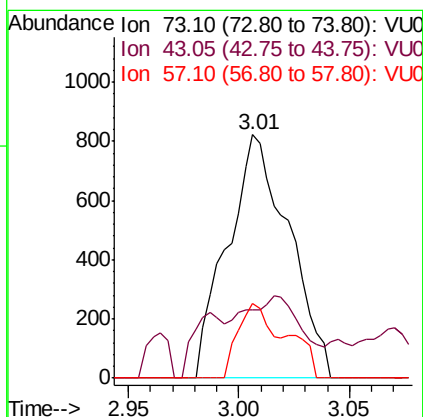
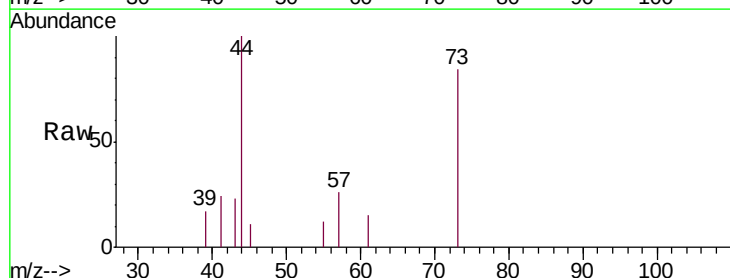
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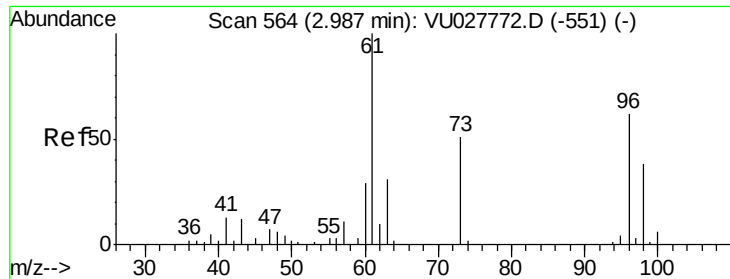
MMDadoda
10/26/2018 11:26:28 AM



#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

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#





#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

Instrument :

MSVOA_U

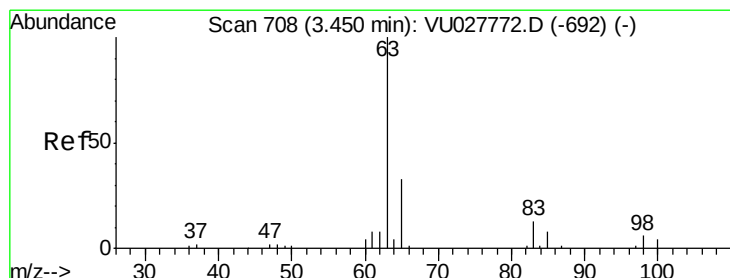
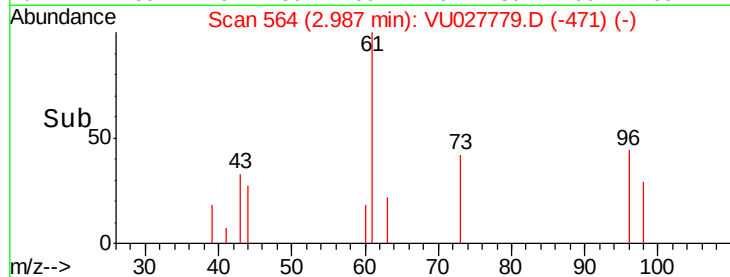
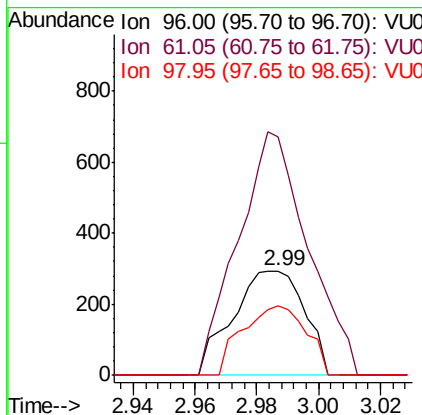
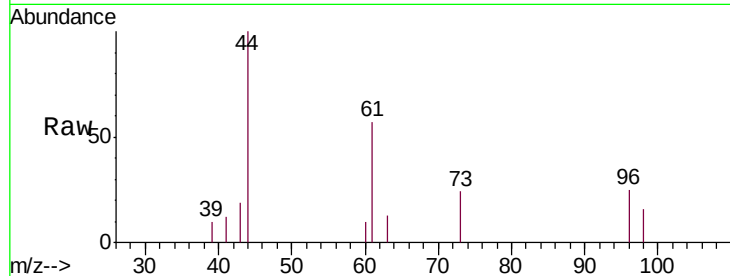
ClientSampleId :

MDL03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	228.6	112.1	208.3#
98	66.3	42.1	78.3

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#19

1,1-Dichloroethane

Concen: 0.229 ug/L

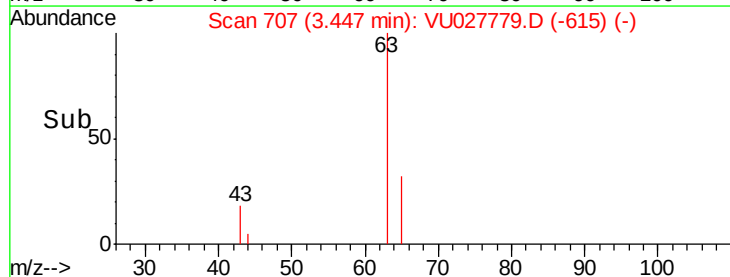
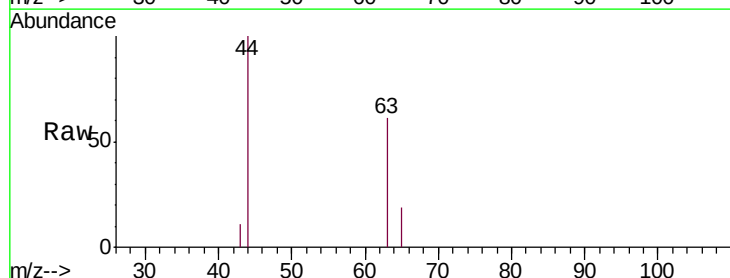
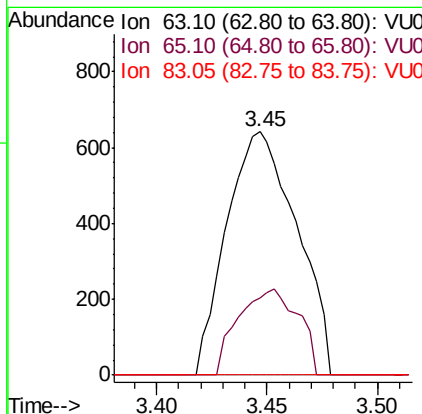
RT: 3.45 min Scan# 707

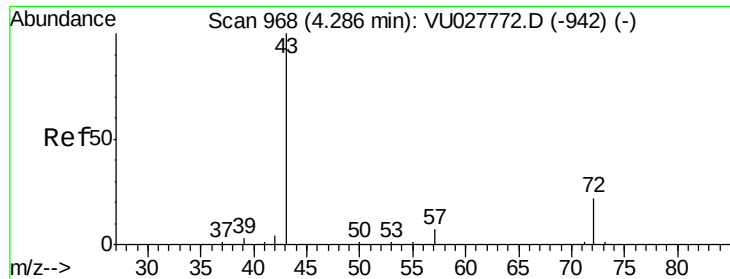
Delta R.T. -0.00 min

Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

Tgt 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

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tgt Ion: 43 Resp: 2887

Ion Ratio Lower Upper

43 100

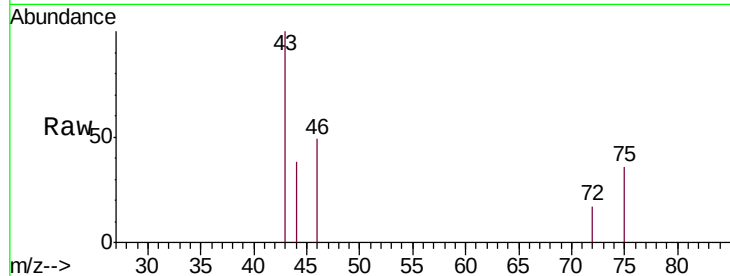
72 7.4 10.5 31.6#

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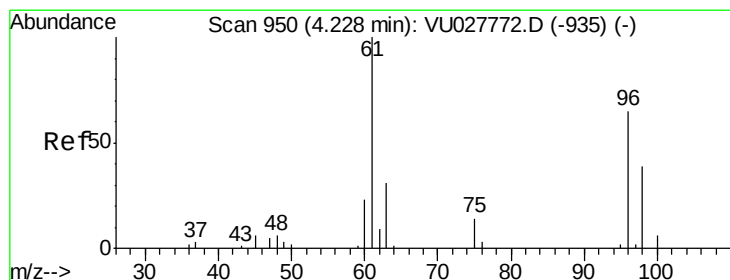
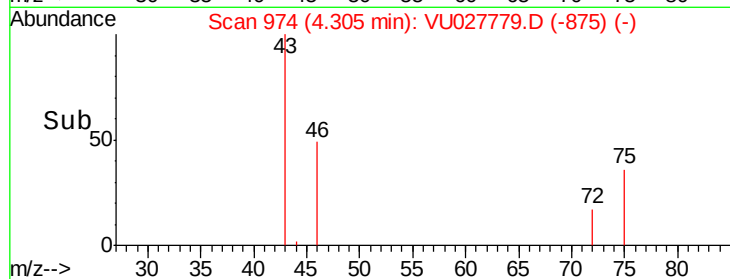
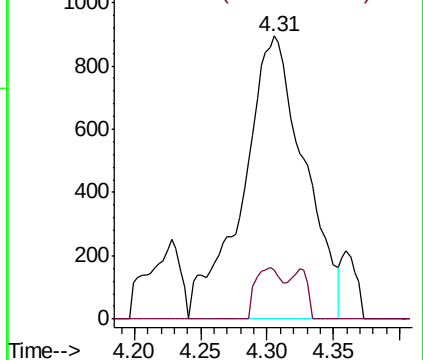
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Abundance Ion 43.05 (42.75 to 43.75): VU027772.D (-942) (-)

Ion 72.10 (71.80 to 72.80): VU027772.D (-942) (-)



#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

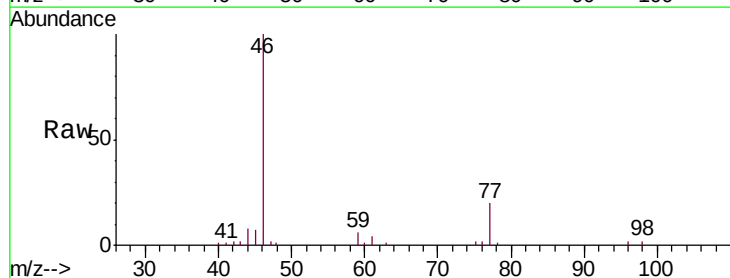
Tgt Ion: 96 Resp: 706

Ion Ratio Lower Upper

96 100

61 149.0 107.2 199.0

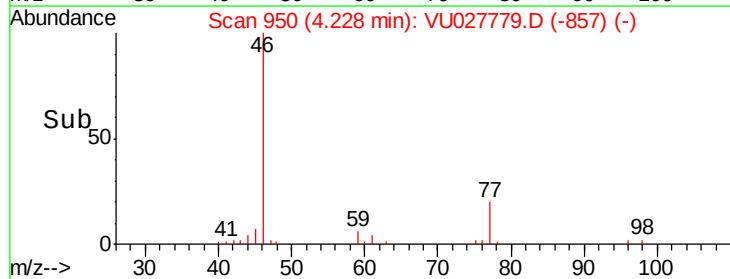
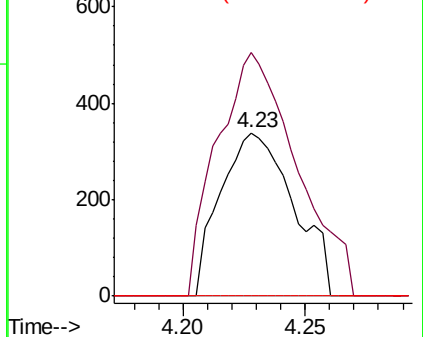
68 0.0 0.0 0.0

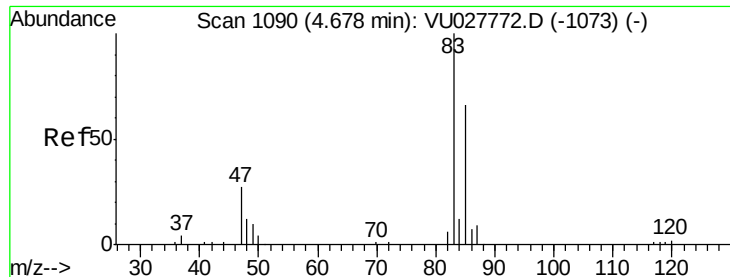


Abundance Ion 96.00 (95.70 to 96.70): VU027772.D (-935) (-)

Ion 61.05 (60.75 to 61.75): VU027772.D (-935) (-)

Ion 68.15 (67.85 to 68.85): VU027772.D (-935) (-)





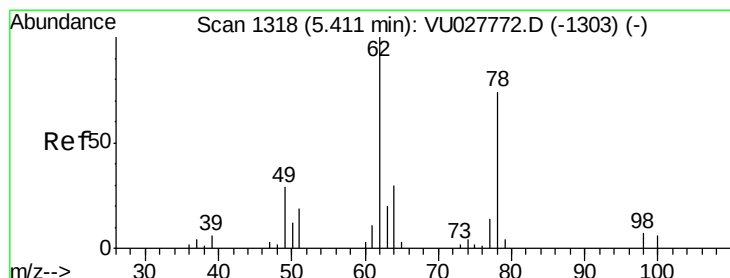
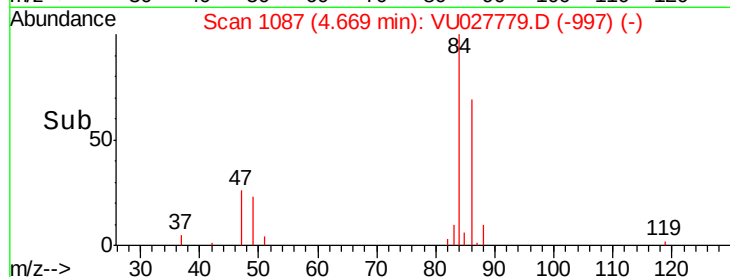
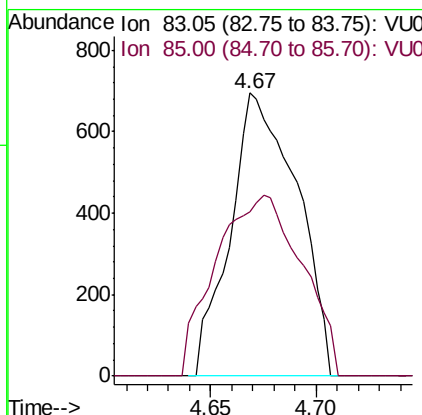
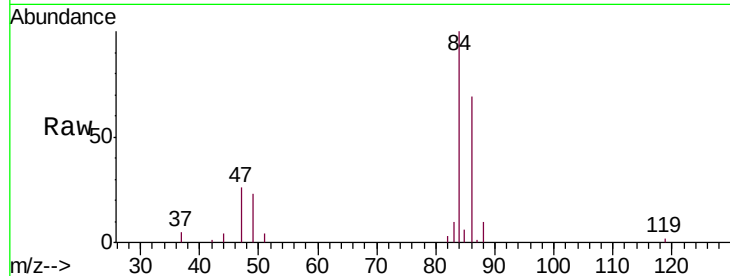
#25
Chloroform
Concen: 0.247 ug/L
RT: 4.67 min Scan# 1087
Delta R.T. -0.01 min
Lab File: VU027779.D
Acq: 24 Oct 2018 12:35

Instrument :
MSVOA_U
ClientSampleId :
MDL03

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

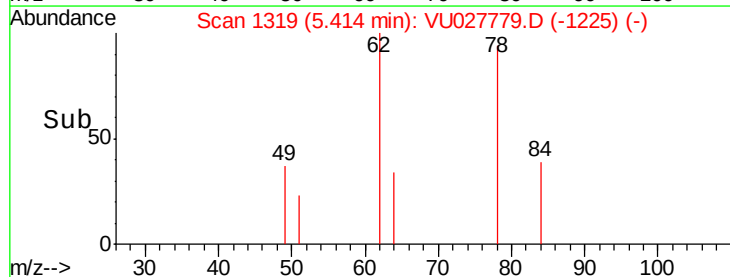
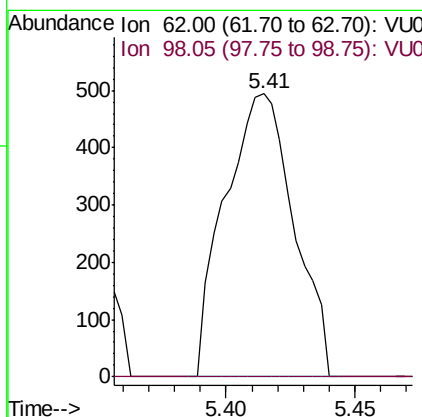
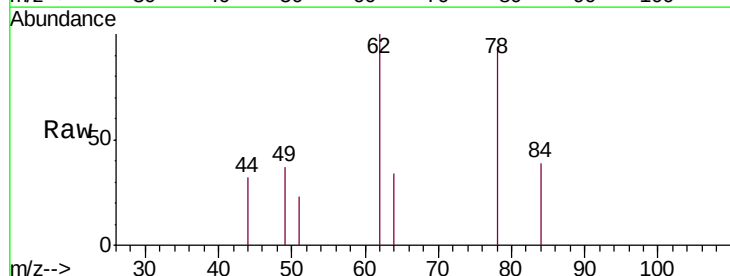
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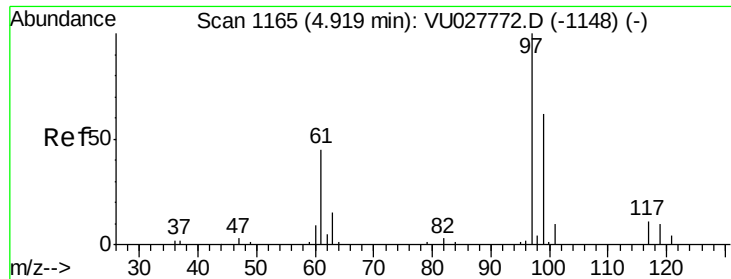
MMDadoda
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#27
1,2-Dichloroethane
Concen: 0.202 ug/L
RT: 5.41 min Scan# 1319
Delta R.T. 0.00 min
Lab File: VU027779.D
Acq: 24 Oct 2018 12:35

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





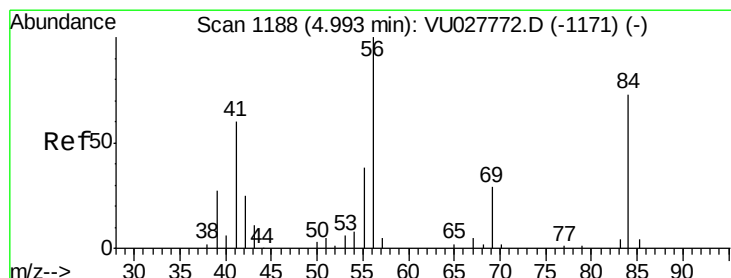
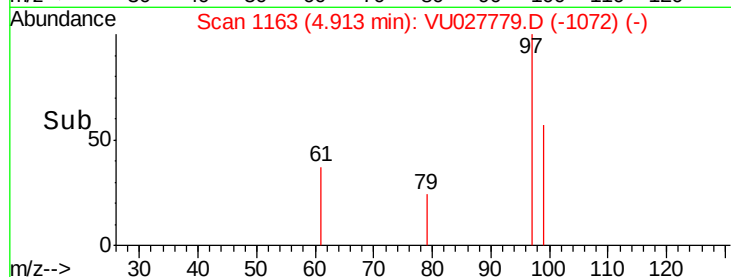
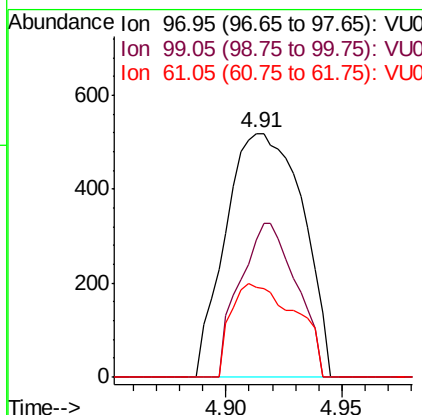
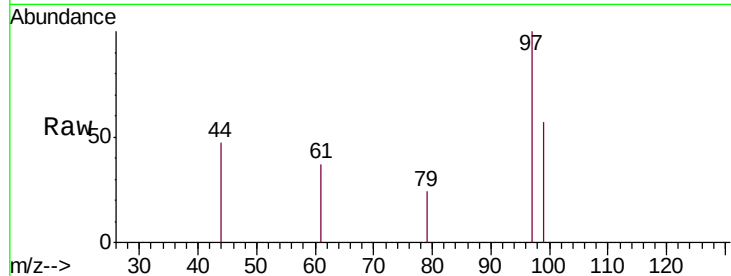
#29
 1,1,1-Trichloroethane
 Concen: 0.215 ug/L
 RT: 4.91 min Scan# 1163
 Delta R.T. -0.01 min
 Lab File: VU027779.D
 Acq: 24 Oct 2018 12:35

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

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

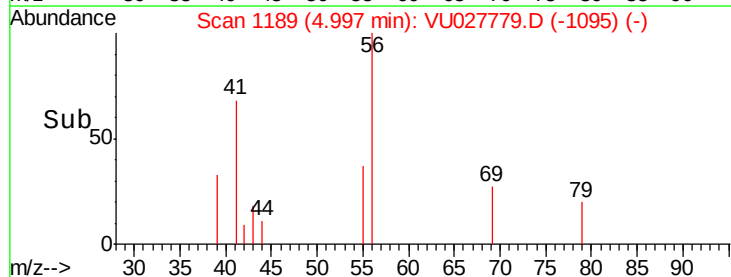
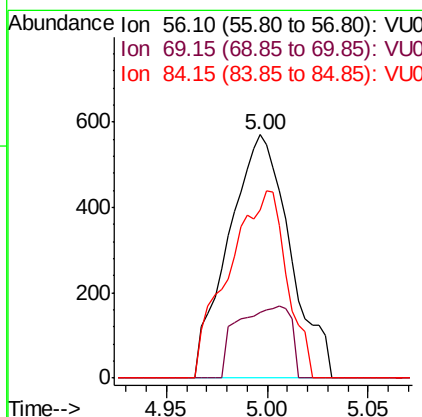
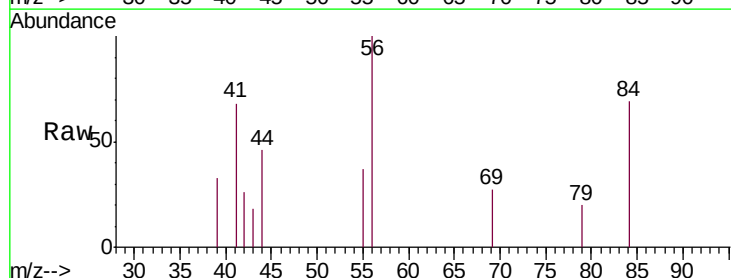
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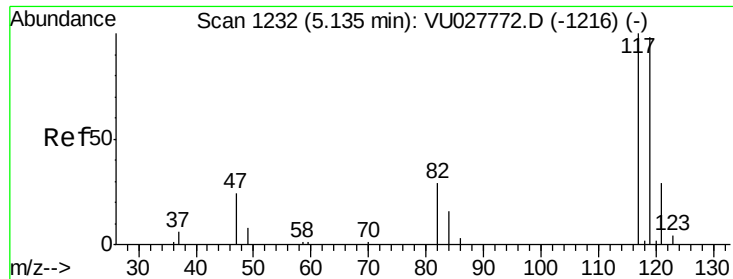
MMDadoda
 10/26/2018 11:26:28 AM



#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

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





#31

Carbon tetrachloride

Concen: 0.202 ug/L m

RT: 5.14 min Scan# 1235

Delta R.T. 0.01 min

Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tgt Ion:117 Resp: 964

Ion Ratio Lower Upper

117 100

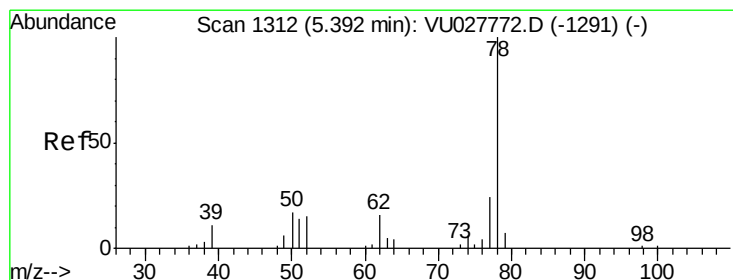
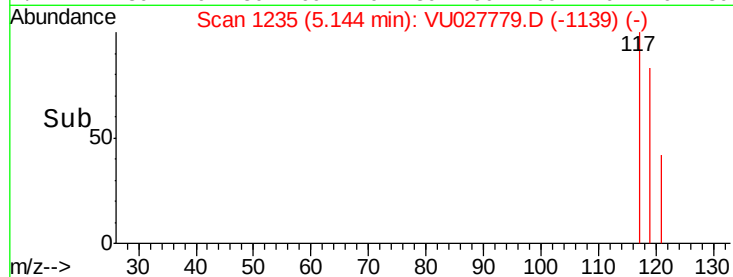
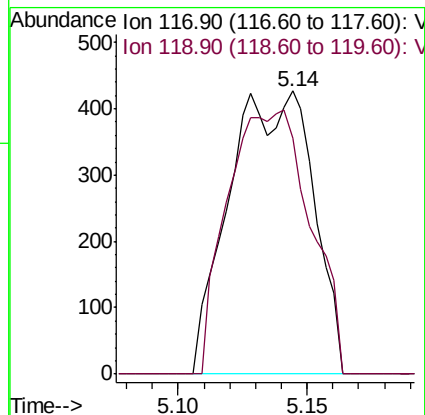
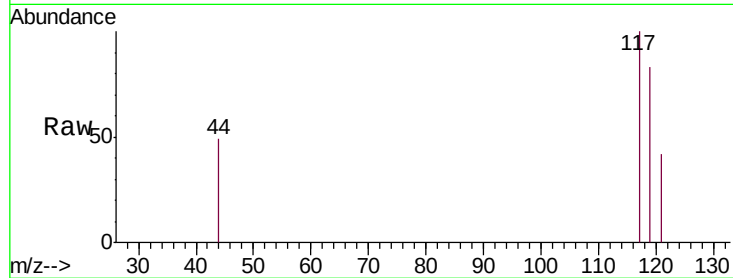
119 0.0 77.0 115.6#

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#33

Benzene

Concen: 0.226 ug/L

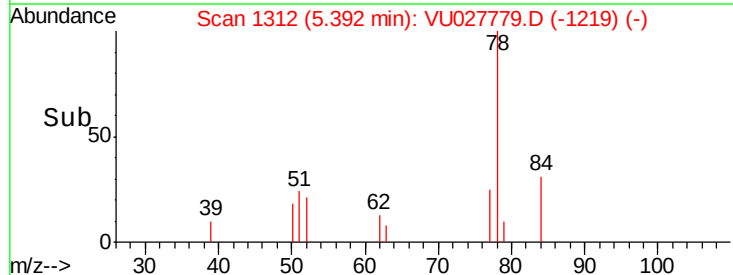
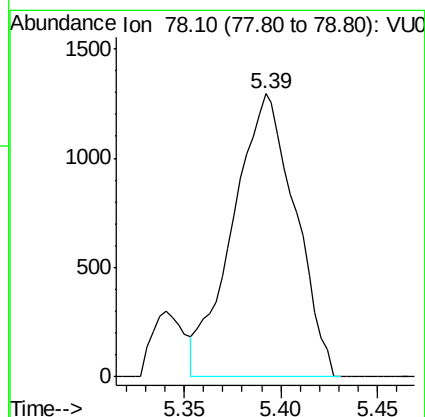
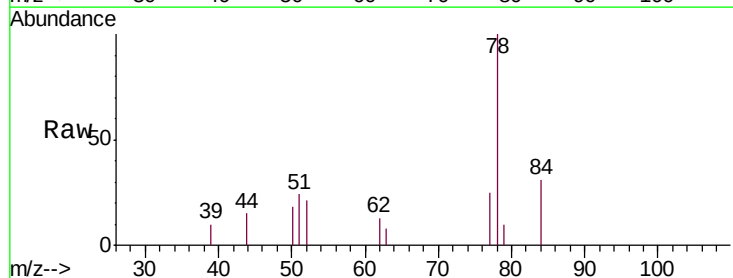
RT: 5.39 min Scan# 1312

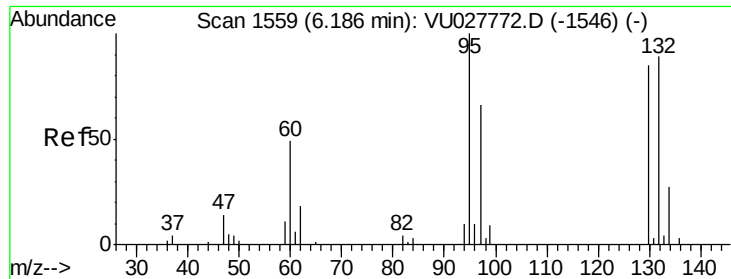
Delta R.T. 0.00 min

Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

Tgt Ion: 78 Resp: 2902





#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

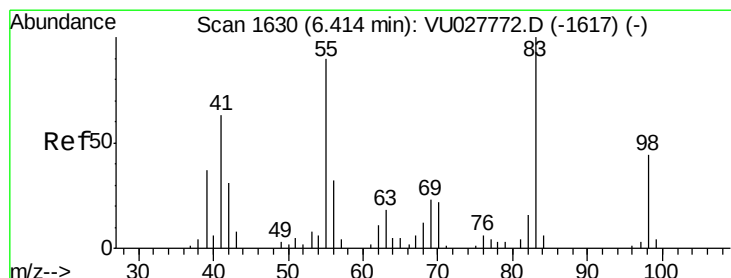
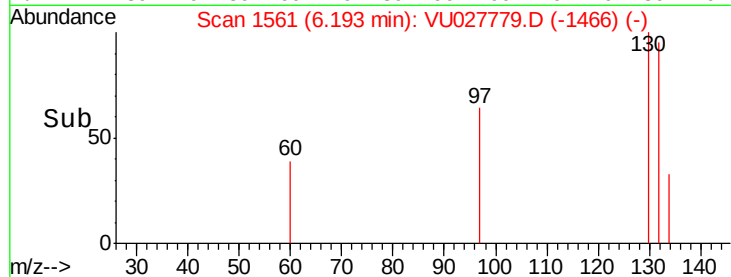
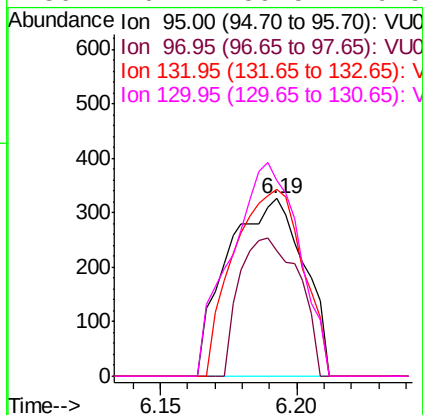
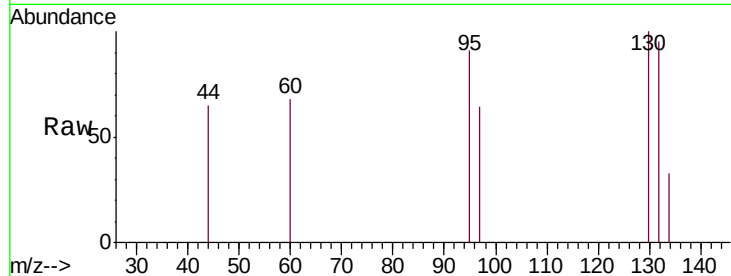
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

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

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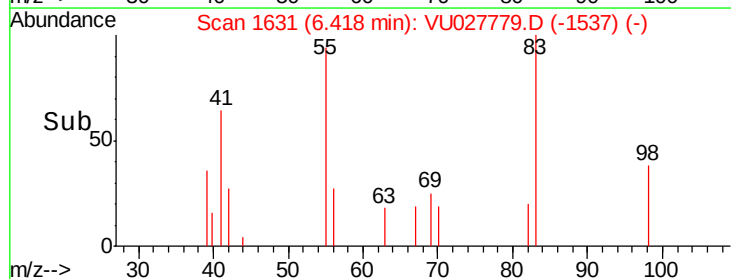
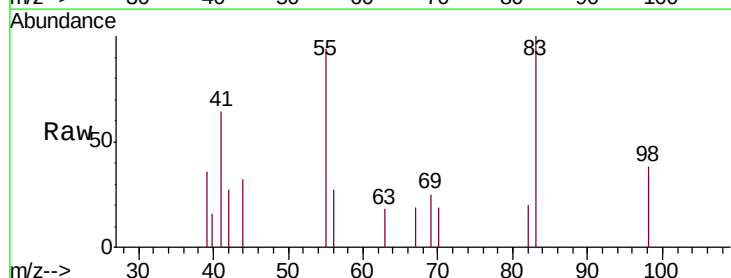
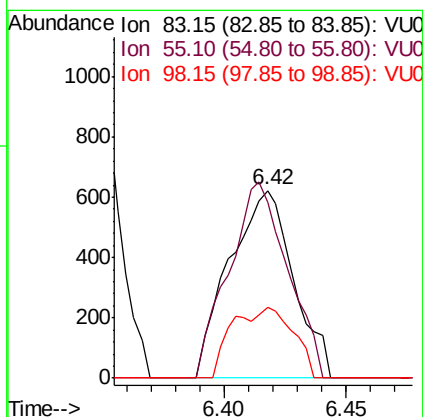
MMDadoda
 10/26/2018 11:26:28 AM

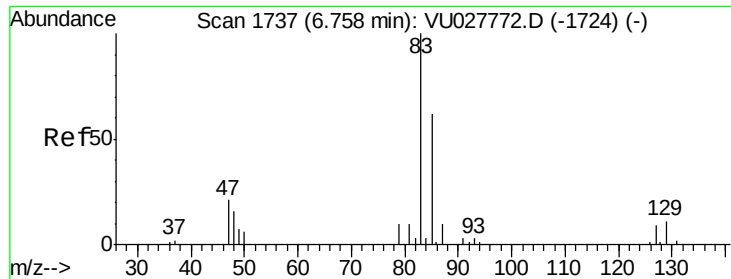


#35
 Methylcyclohexane
 Concen: 0.203 ug/L
 RT: 6.42 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU027779.D
 Acq: 24 Oct 2018 12:35

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





#38

Bromodichloromethane

Concen: 0.194 ug/L m

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 :

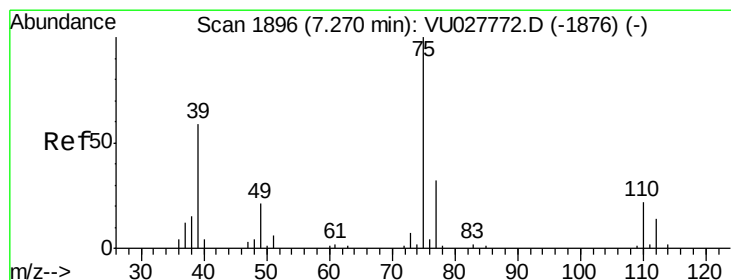
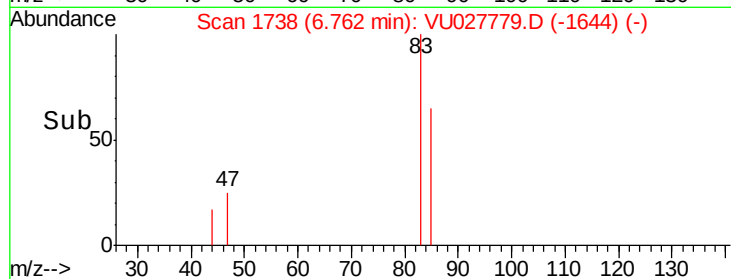
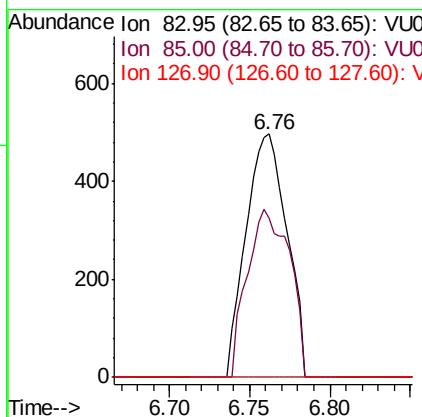
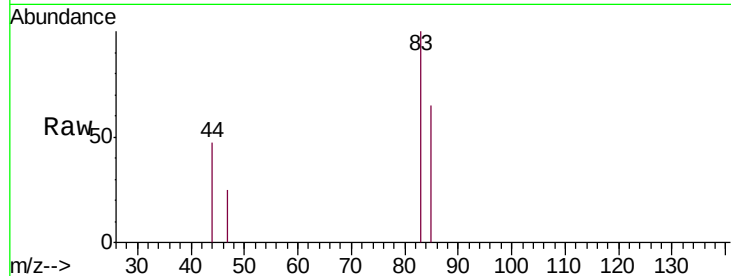
MDL03

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#

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#39

cis-1,3-Dichloropropene

Concen: 0.180 ug/L

RT: 7.27 min Scan# 1895

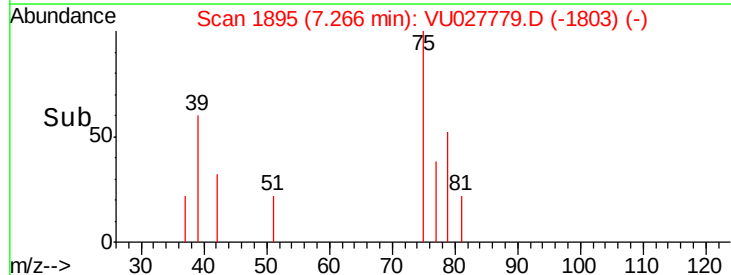
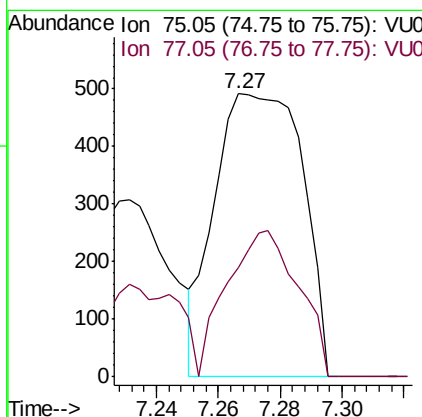
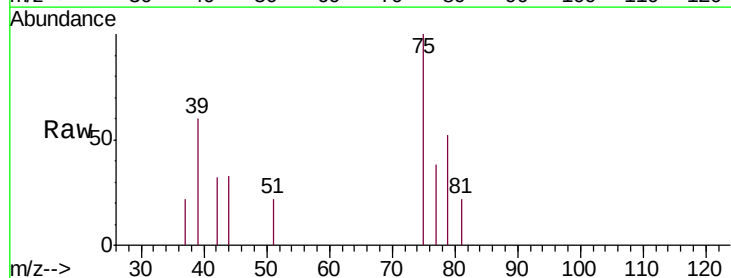
Delta R.T. -0.00 min

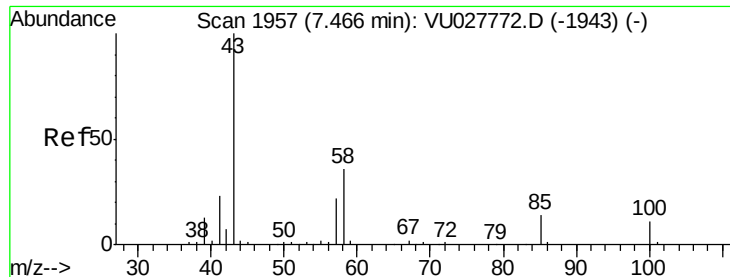
Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

Tgt Ion: 75 Resp: 971

Ion	Ratio	Lower	Upper
75	100		
77	38.4	22.5	41.7





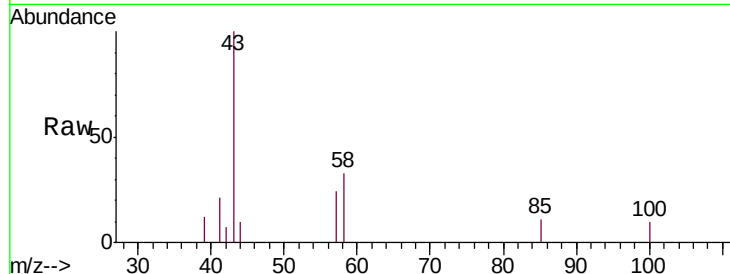
#40
4-Methyl-2-pentanone
Concen: 2.051 ug/L
RT: 7.47 min Scan# 1958
Delta R.T. 0.00 min
Lab File: VU027779.D
Acq: 24 Oct 2018 12:35

Instrument :
MSVOA_U
ClientSampleId :
MDL03

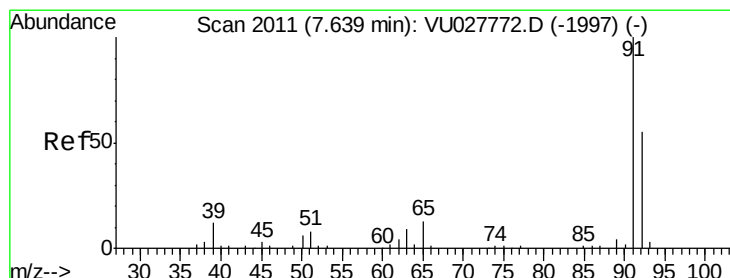
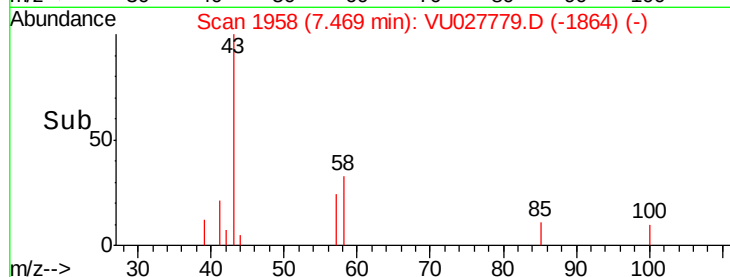
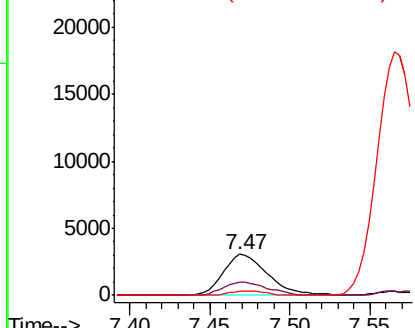
Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.7	28.1	42.1
100	0.0	8.7	13.1

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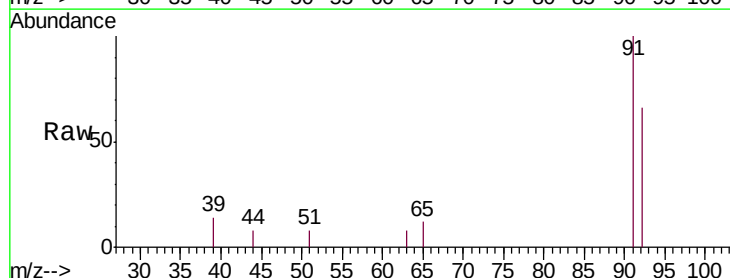


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 100.15 (99.85 to 100.85): VU0

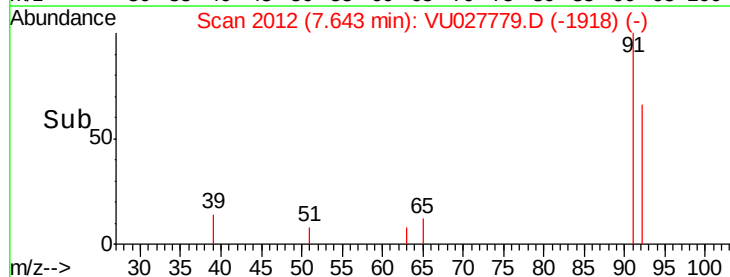
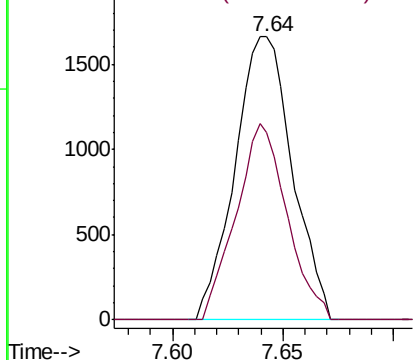


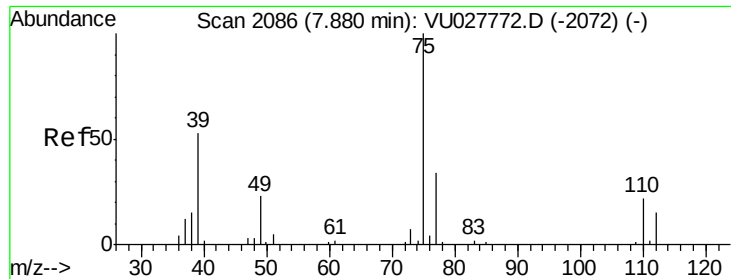
#42
Toluene
Concen: 0.217 ug/L
RT: 7.64 min Scan# 2012
Delta R.T. 0.00 min
Lab File: VU027779.D
Acq: 24 Oct 2018 12:35

Tgt Ion	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

ClientSampled :

MDL03

Tgt Ion: 75 Resp: 887

Ion Ratio Lower Upper

75 100

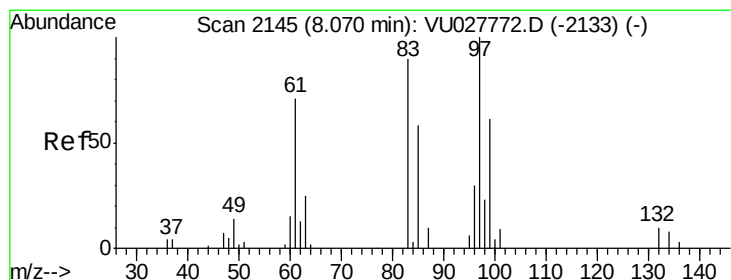
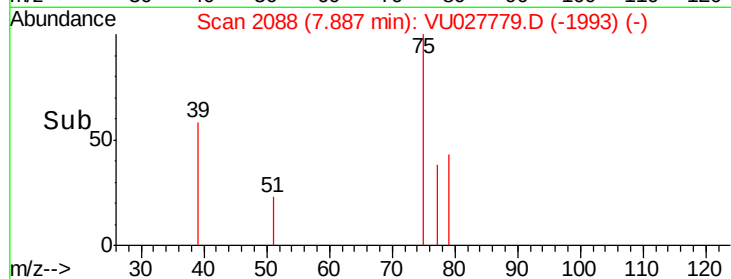
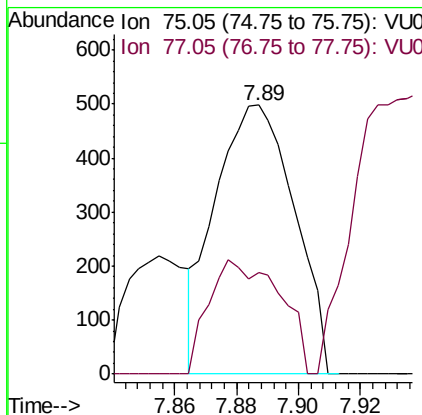
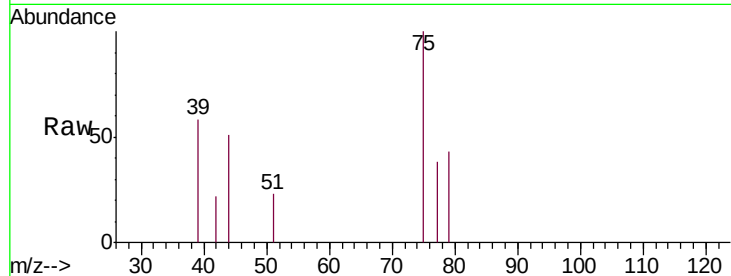
77 38.0 23.5 43.7

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#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

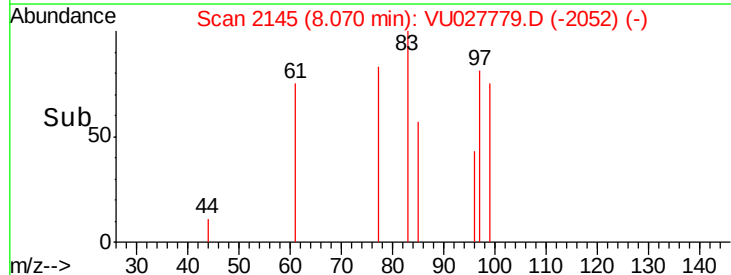
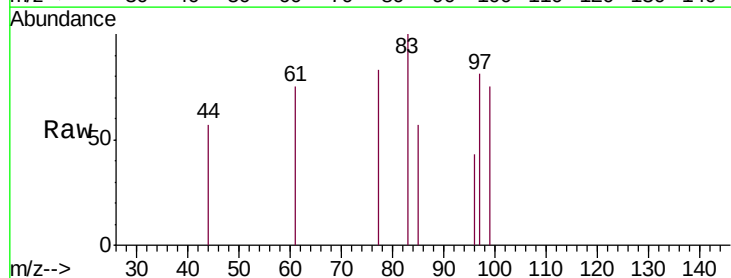
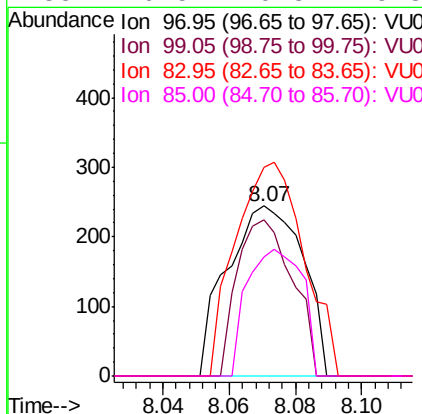
Ion Ratio Lower Upper

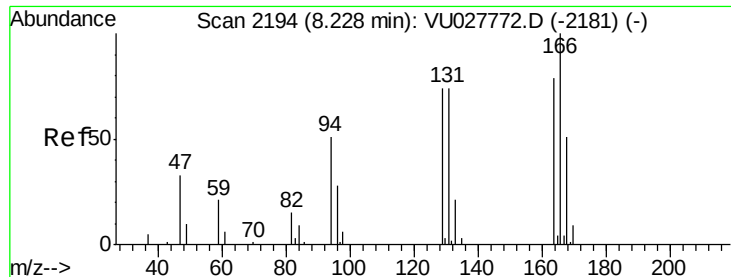
97 100

99 92.2 42.8 79.6#

83 123.0 62.9 116.9#

85 70.5 40.8 75.8





#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

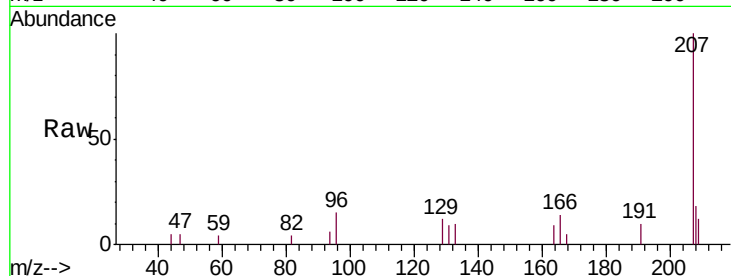
ClientSampleId :

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

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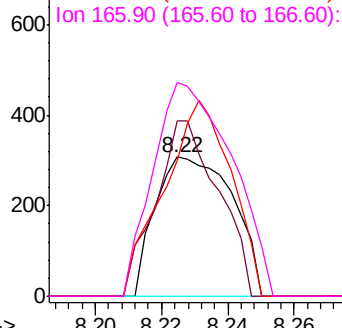


Abundance Ion 163.90 (163.60 to 164.60): V

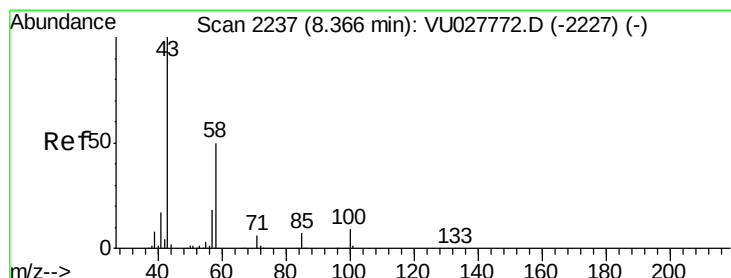
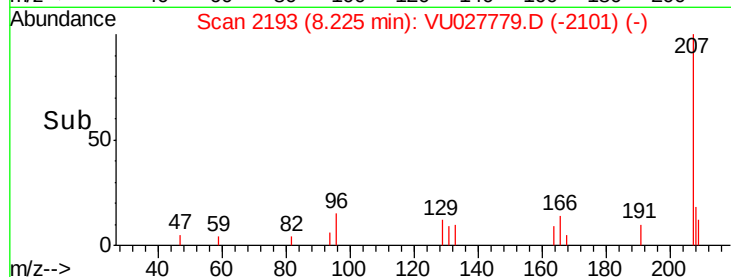
Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



Time-->



#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

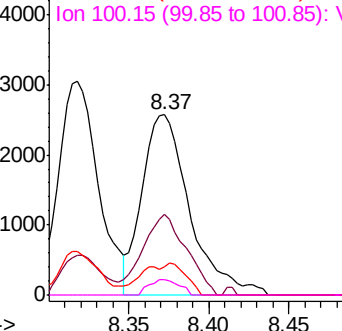
Tgt Ion:	43	Resp:	5309
Ion	Ratio	Lower	Upper
43	100		
58	40.8	39.4	59.0
57	16.5	13.8	20.8
100	5.3	6.7	10.1#

Abundance Ion 43.05 (42.75 to 43.75): VU0

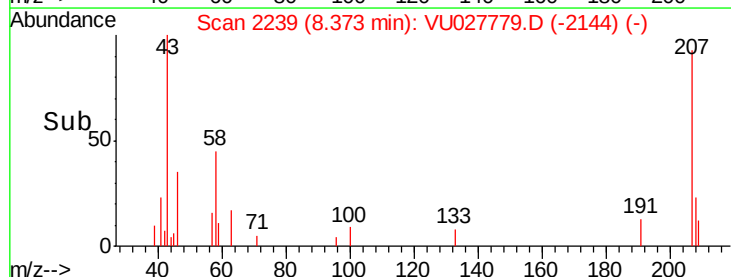
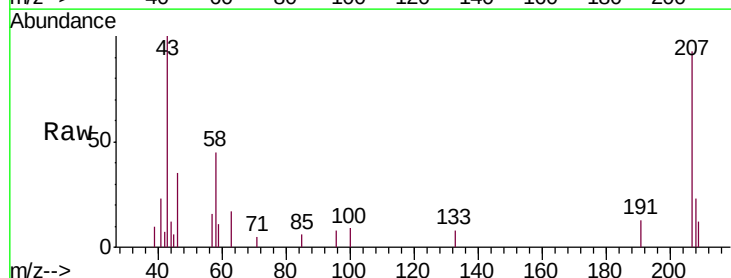
Ion 58.05 (57.75 to 58.75): VU0

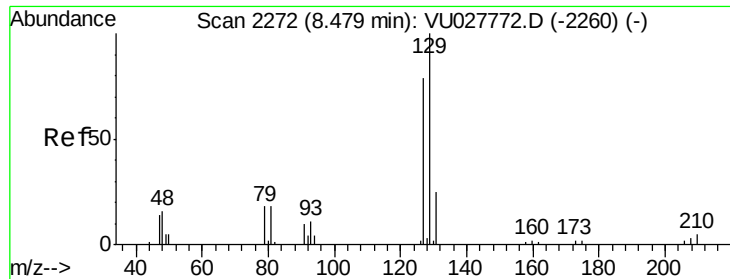
Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



Time-->





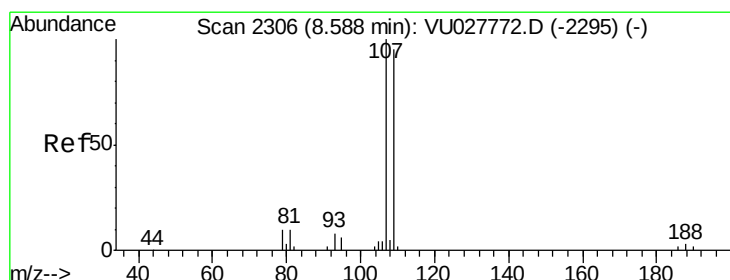
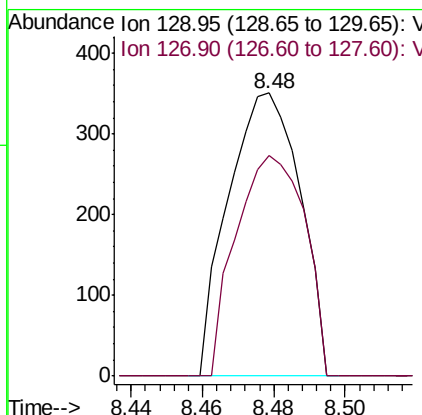
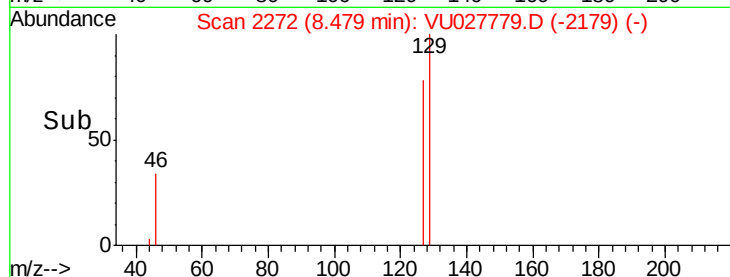
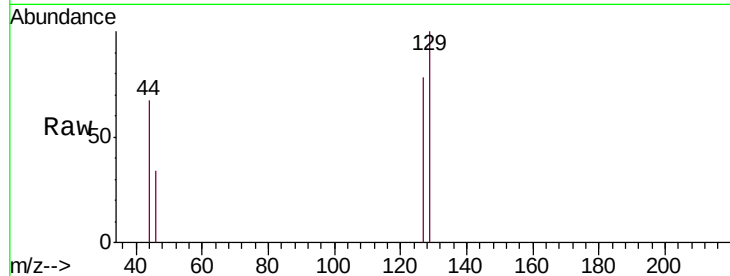
#49
 Dibromochloromethane
 Concen: 0.168 ug/L
 RT: 8.48 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VU027779.D
 Acq: 24 Oct 2018 12:35

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

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

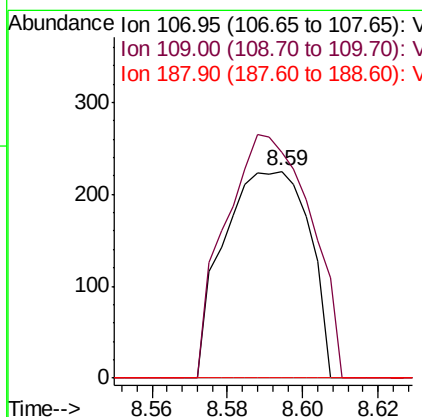
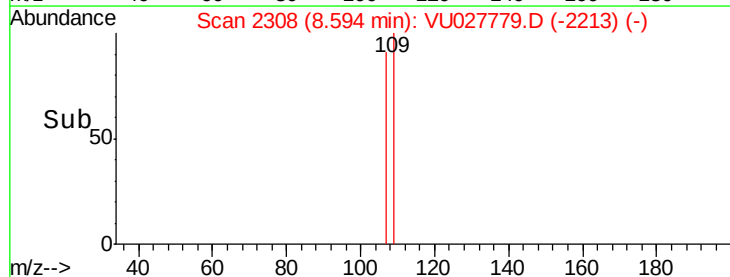
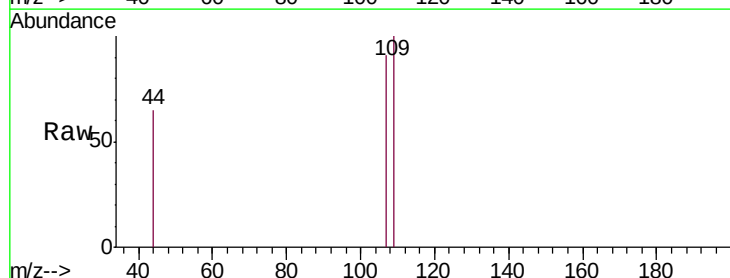
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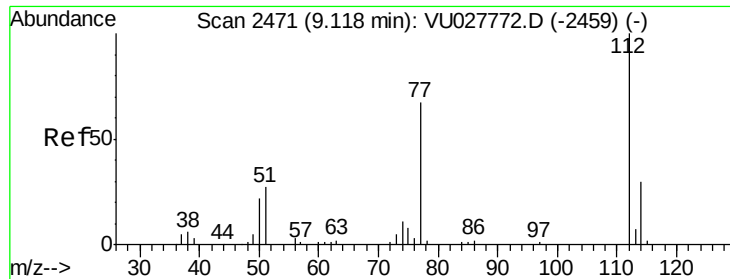
MMDadoda
 10/26/2018 11:26:28 AM



#50
 1,2-Dibromoethane
 Concen: 0.160 ug/L m
 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

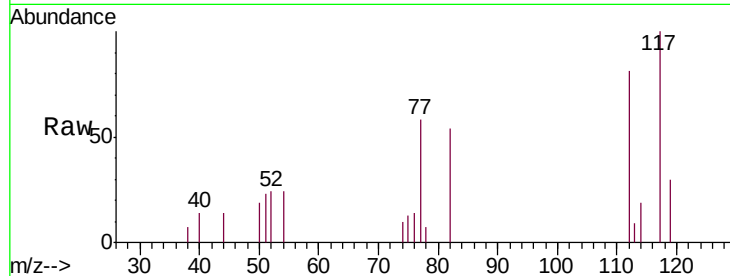
ClientSampleId :

MDL03

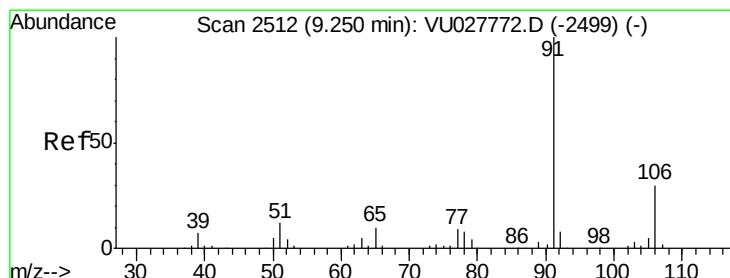
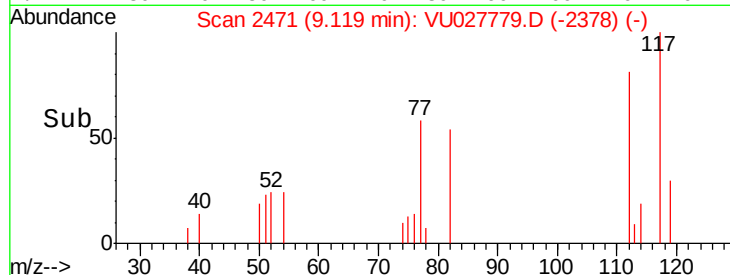
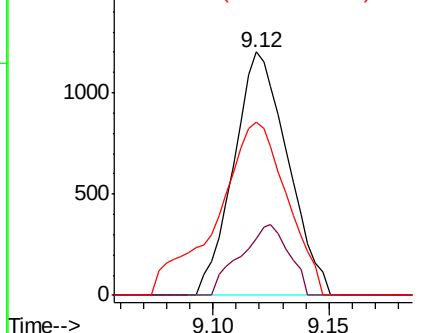
Tgt Ion:	112	Resp:	1945
Ion Ratio	Lower	Upper	
112	100		
114	23.5	21.2	39.4
77	71.0	54.2	81.4

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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

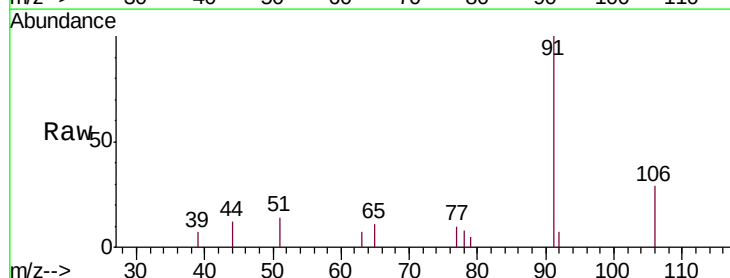
RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

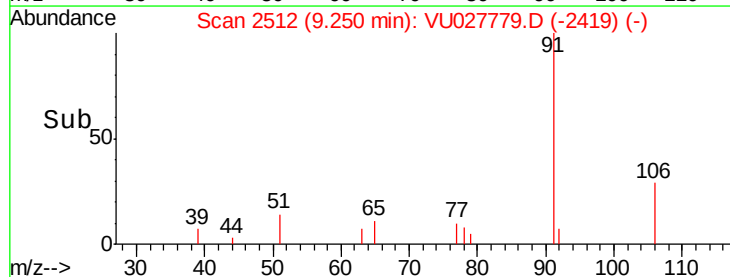
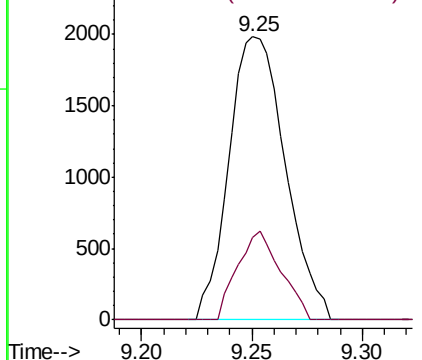
Lab File: VU027779.D

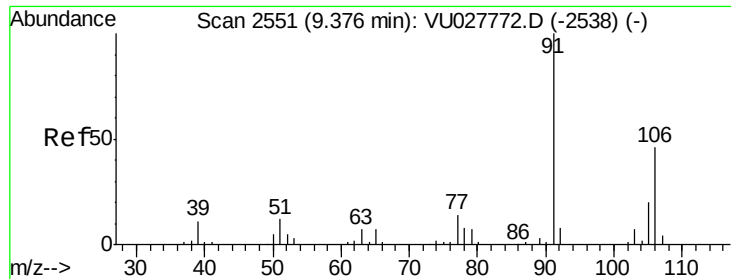
Acq: 24 Oct 2018 12:35

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

ClientSampled :

MDL03

Tgt Ion:106 Resp: 1121

Ion Ratio Lower Upper

106 100

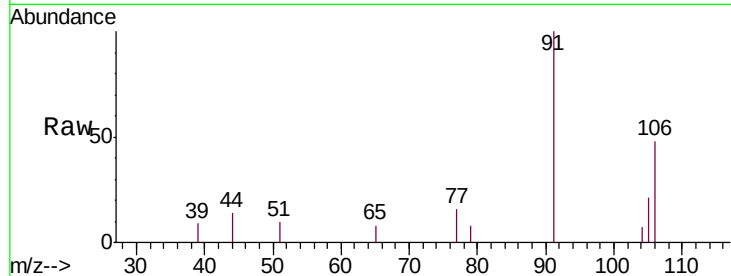
91 208.4 154.1 286.3

Manual Integrations

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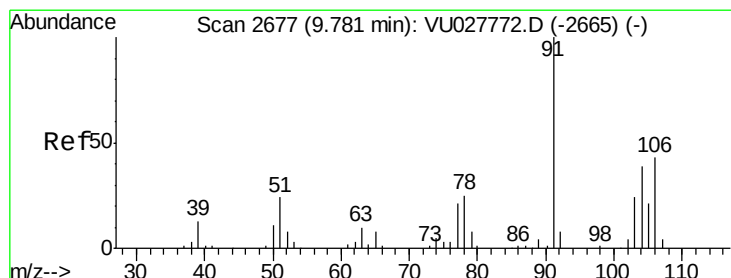
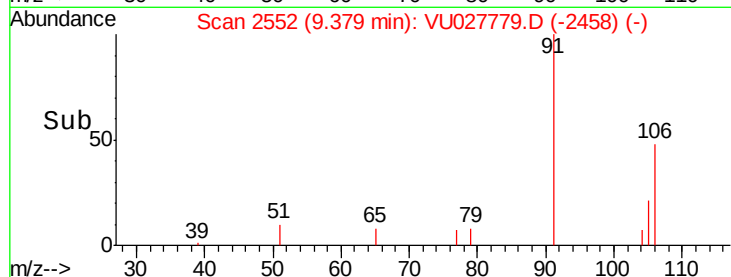
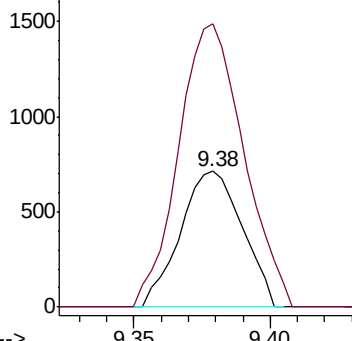
MMDadoda

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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

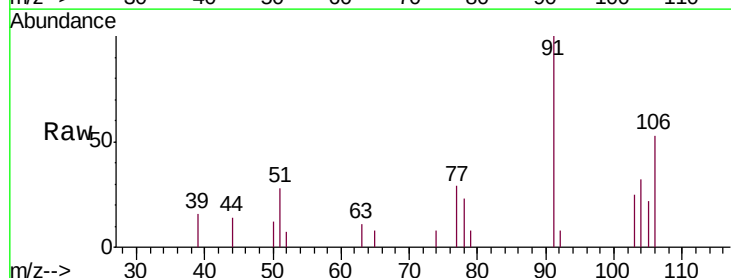
Acq: 24 Oct 2018 12:35

Tgt Ion:106 Resp: 1184

Ion Ratio Lower Upper

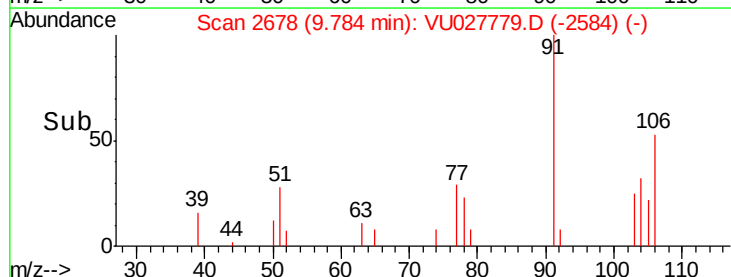
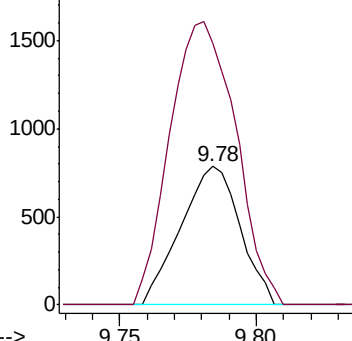
106 100

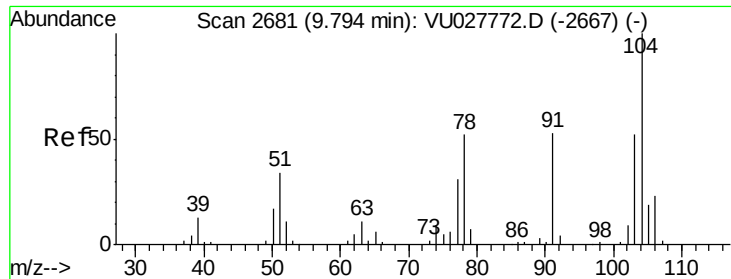
91 188.8 161.3 299.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





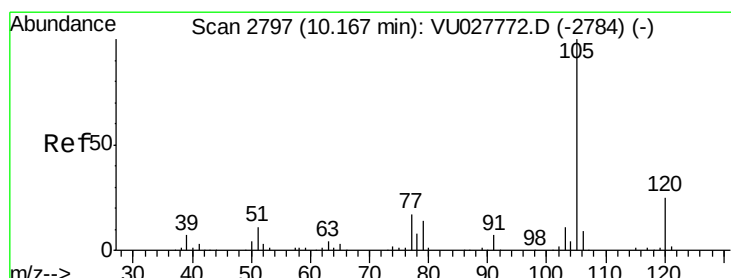
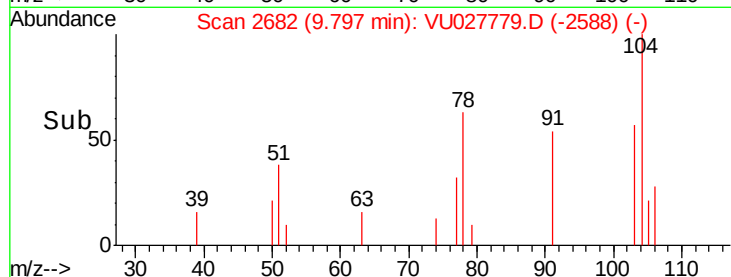
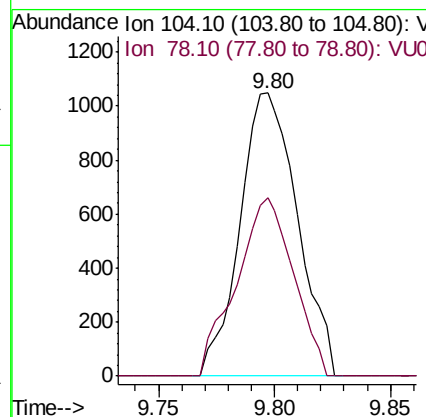
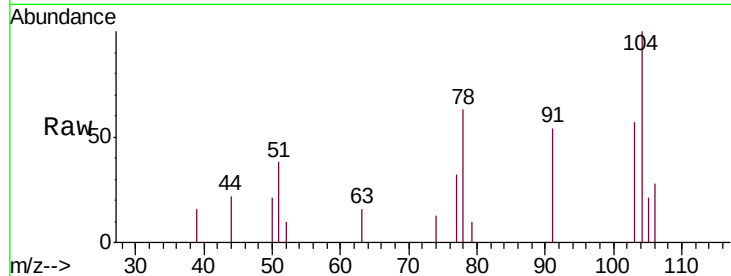
#55
Styrene
Concen: 0.192 ug/L
RT: 9.80 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU027779.D
Acq: 24 Oct 2018 12:35

Instrument :
MSVOA_U
ClientSampleId :
MDL03

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

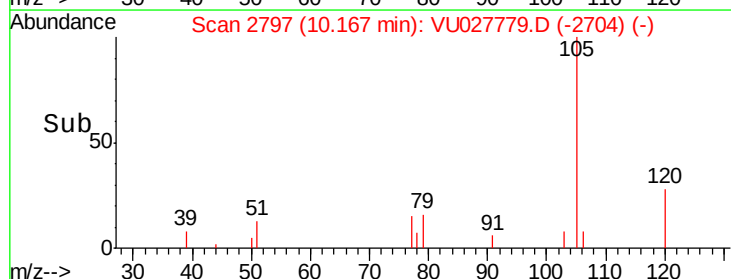
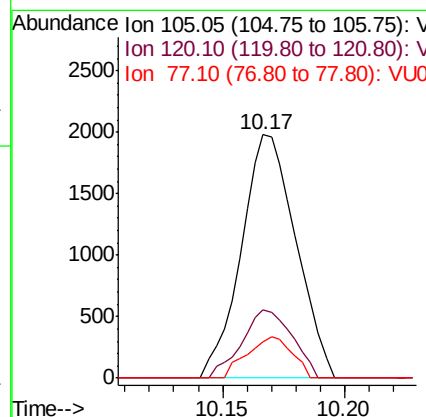
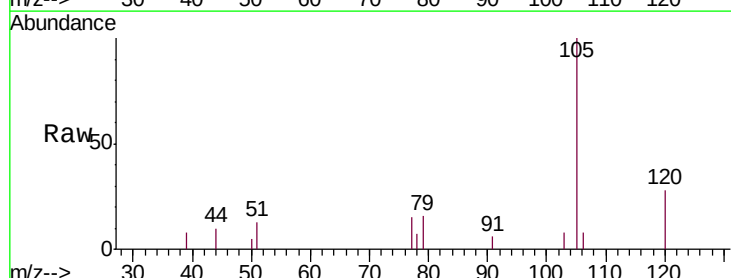
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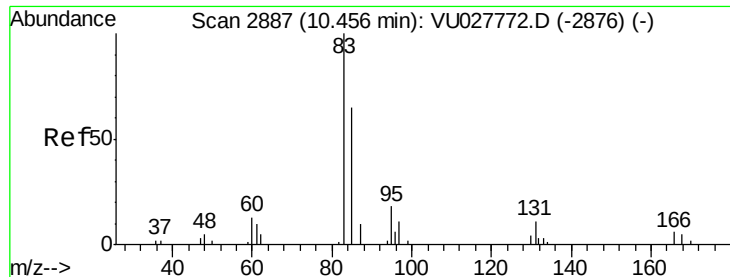
MMDadoda
10/26/2018 11:26:28 AM



#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 m

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

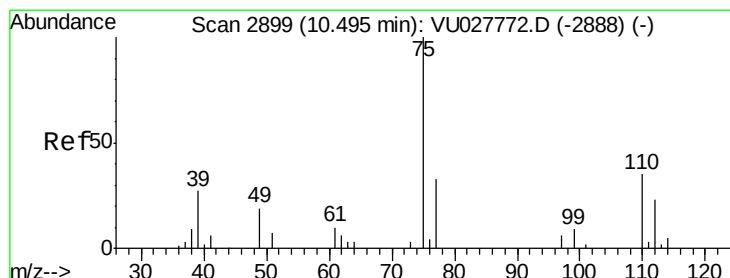
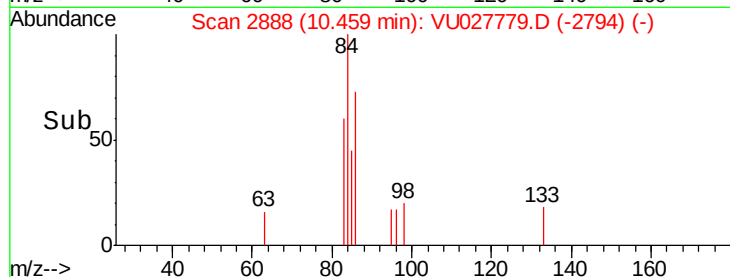
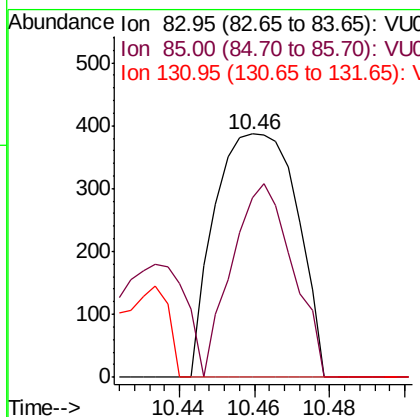
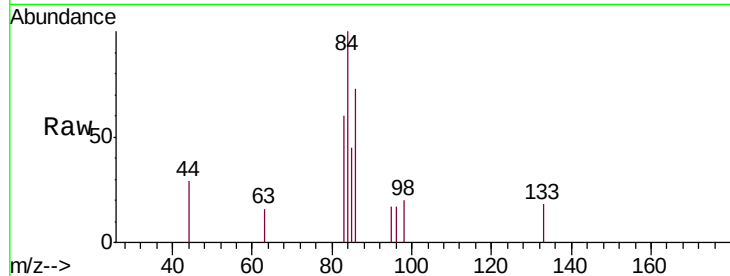
ClientSampled :

MDL03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	73.9	45.5	84.5
131	0.0	8.8	13.2#

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10/26/2018 11:26:28 AM



#59

1,2,3-Trichloropropane

Concen: 0.209 ug/L m

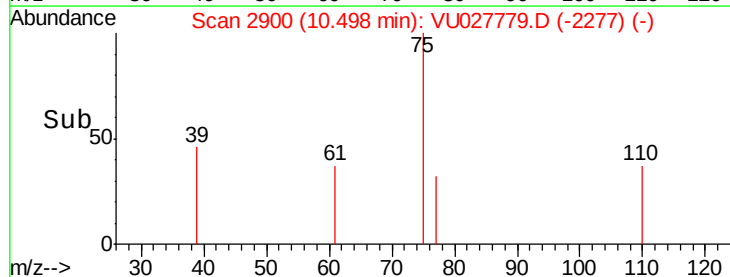
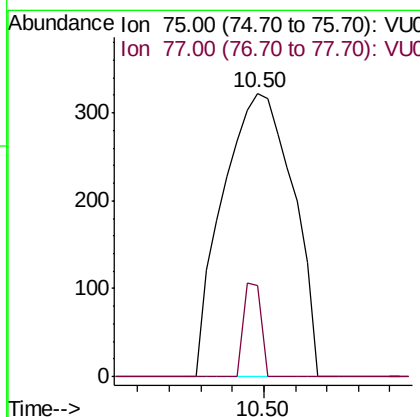
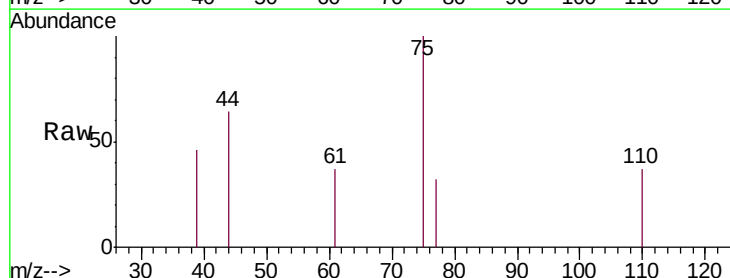
RT: 10.50 min Scan# 2900

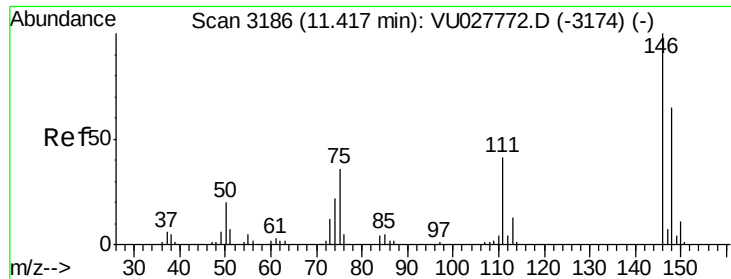
Delta R.T. 0.00 min

Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	213.9	26.4	39.6#





#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

Instrument :

MSVOA_U

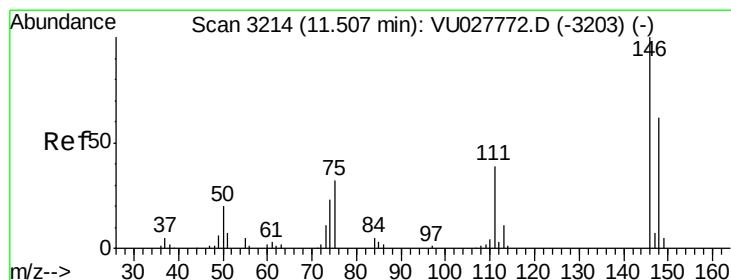
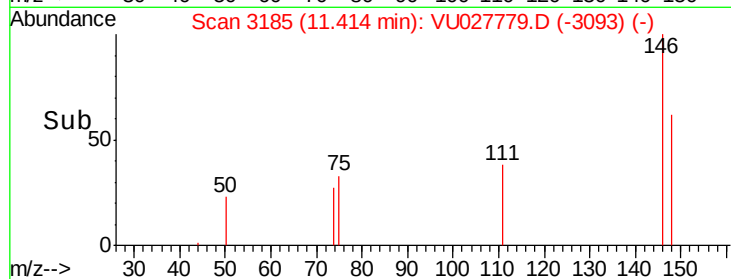
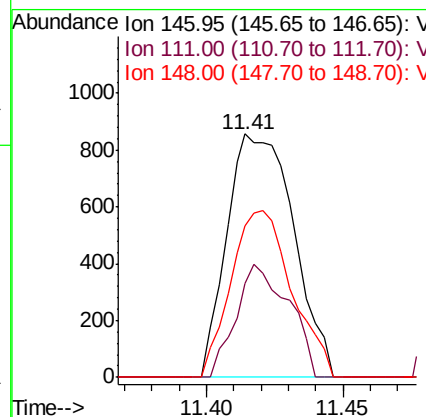
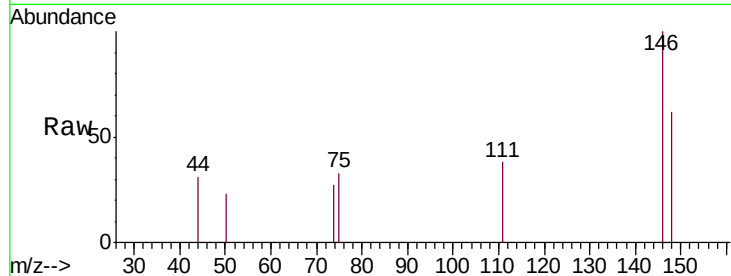
ClientSampleId :

MDL03

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

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#63

1,4-Dichlorobenzene

Concen: 0.239 ug/L

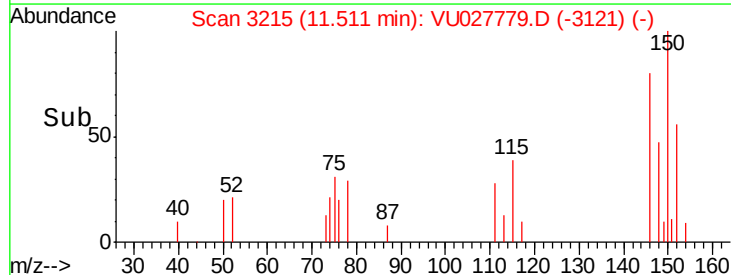
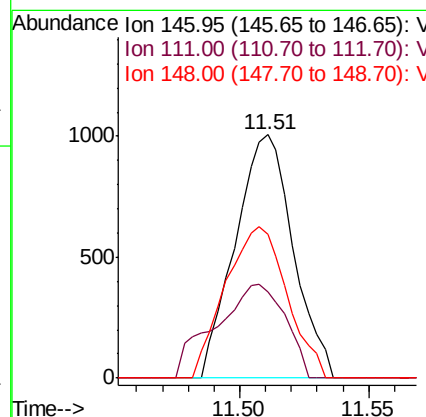
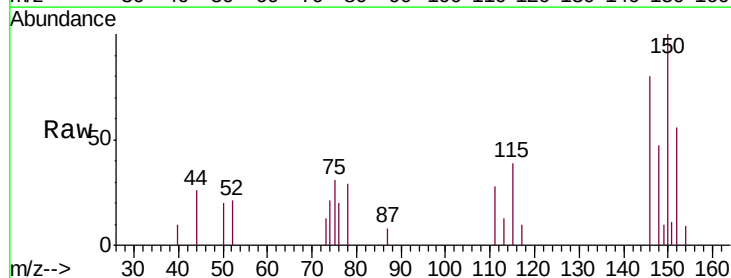
RT: 11.51 min Scan# 3215

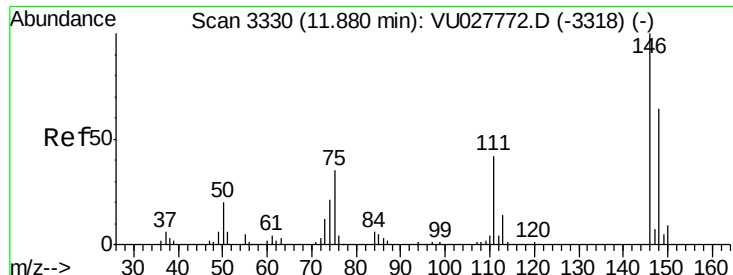
Delta R.T. 0.00 min

Lab File: VU027779.D

Acq: 24 Oct 2018 12:35

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





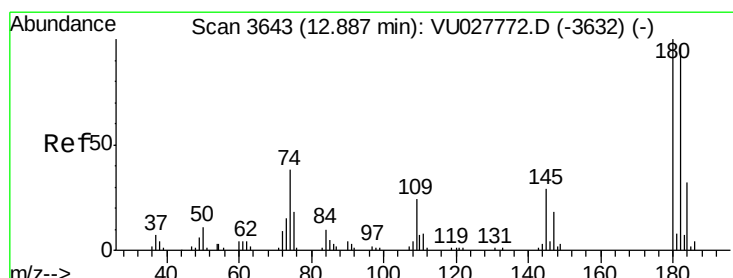
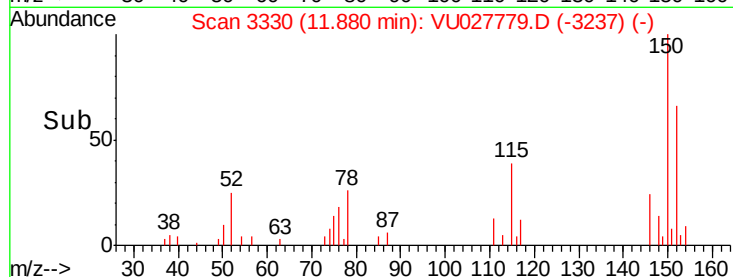
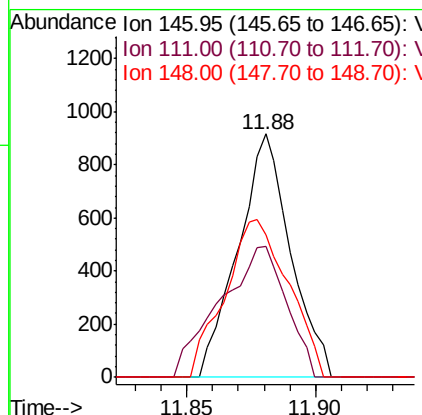
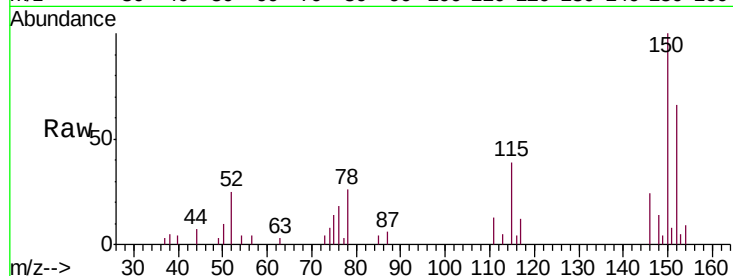
#65
 1,2-Dichlorobenzene
 Concen: 0.212 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027779.D
 Acq: 24 Oct 2018 12:35

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	53.5	33.7	50.5#
148	58.6	50.8	76.2

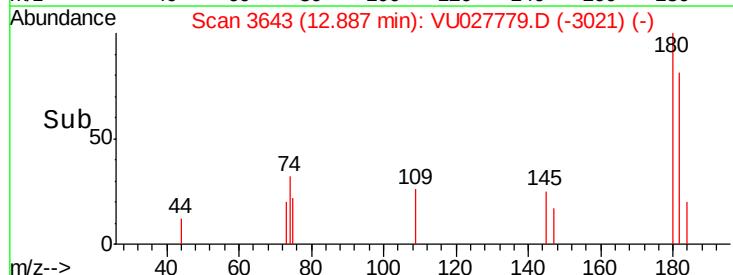
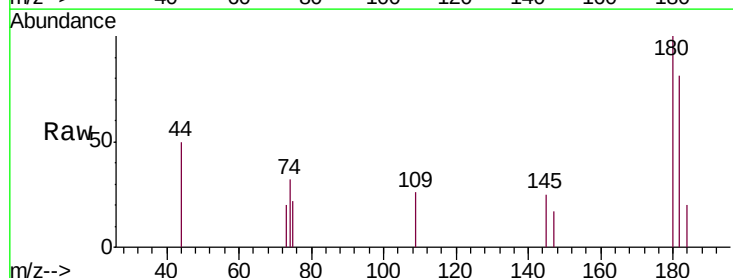
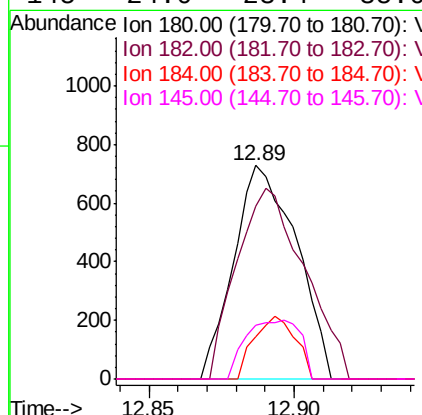
Manual Integrations
 APPROVED

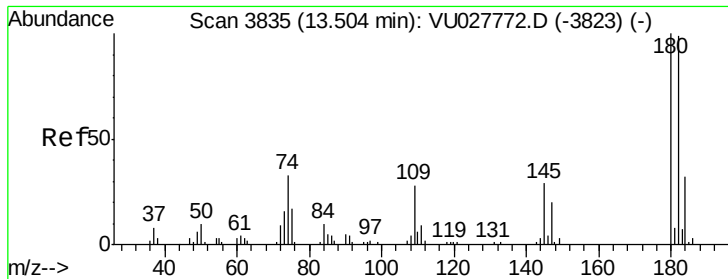
MMDadoda
 10/26/2018 11:26:28 AM



#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	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





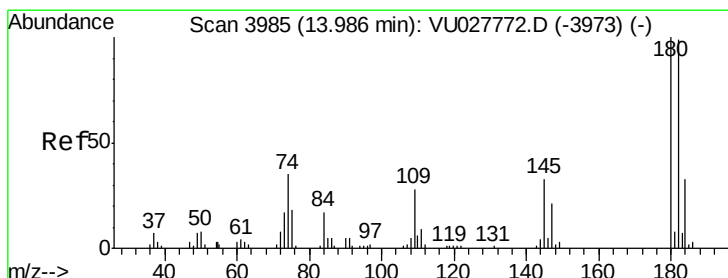
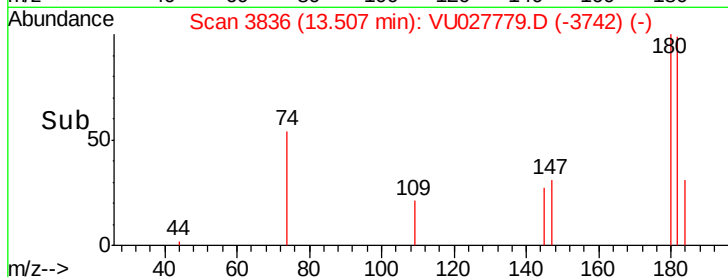
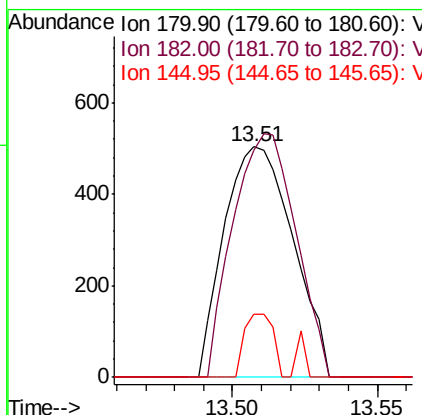
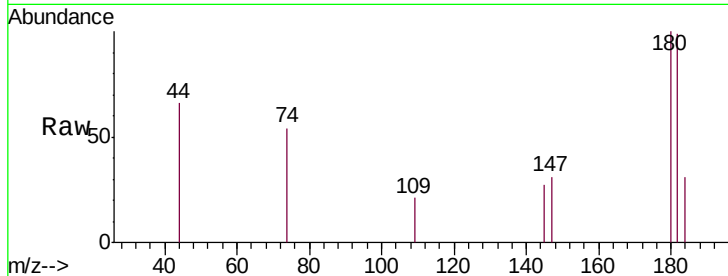
#68
 1,2,4-trichlorobenzene
 Concen: 0.184 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027779.D
 Acq: 24 Oct 2018 12:35

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#

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 11:26:28 AM



#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

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#

