

Data File : VU027777.D
Acq On : 24 Oct 2018 11:47
Operator : MD/SY
Sample : MDL01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Manual Integrations
APPROVED

MMDadoda
10/26/2018 11:26:19 AM

Quant Time: Oct 25 06:34:52 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	40308	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	39420	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	18710	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	16330	4.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.40%
7) Chloroethane-d5	1.68	69	12536	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.28	63	24332	3.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.40%
20) 2-Butanone-d5	4.22	46	52685	52.74	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.48%
24) Chloroform-d	4.65	84	29524	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.31	65	17381	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.34	84	55120	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
36) 1,2-Dichloropropane-d6	6.33	67	19944	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.00%
41) Toluene-d8	7.57	98	52410	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
43) trans-1,3-Dichloropropene-	7.85	79	7672	5.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.40%
46) 2-Hexanone-d5	8.32	63	45191	54.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.24%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	14189	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	18786	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	1061	0.271 ug/L	98
3) Chloromethane	1.33	50	1176	0.268 ug/L	94
5) Vinyl chloride	1.40	62	1125	0.266 ug/L #	79
6) Bromomethane	1.63	94	594	0.274 ug/L	79
8) Chloroethane	1.70	64	649	0.284 ug/L	91
9) Trichlorofluoromethane	1.89	101	1448	0.259 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	892	0.316 ug/L #	77
12) 1,1-Dichloroethene	2.29	96	694	0.264 ug/L #	1
13) Acetone	2.36	43	2219	3.081 ug/L	68
14) Carbon disulfide	2.48	76	2667	0.296 ug/L	98
16) Methylene chloride	2.70	84	1398	0.451 ug/L	85
17) Methyl tert-butyl Ether	3.01	73	2140	0.254 ug/L #	73
18) trans-1,2-Dichloroethene	2.99	96	764	0.271 ug/L	93
19) 1,1-Dichloroethane	3.45	63	1662	0.267 ug/L #	95
21) 2-Butanone	4.31	43	2800m	2.369 ug/L	
22) cis-1,2-Dichloroethene	4.23	96	824	0.246 ug/L	98
25) Chloroform	4.68	83	1736m	0.277 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.41	62	1157	0.250	ug/L #	79
29) 1,1,1-Trichloroethane	4.92	97	1348	0.238	ug/L	98
30) Cyclohexane	5.00	56	1485	0.234	ug/L	89
31) Carbon tetrachloride	5.13	117	1154	0.237	ug/L	95
33) Benzene	5.39	78	3715	0.284	ug/L	100
34) Trichloroethene	6.19	95	896	0.264	ug/L	79
35) Methylcyclohexane	6.42	83	1605	0.283	ug/L	92
38) Bromodichloromethane	6.76	83	1120	0.244	ug/L #	92
39) cis-1,3-Dichloropropene	7.28	75	1441	0.262	ug/L #	73
40) 4-Methyl-2-pentanone	7.47	43	7388	2.569	ug/L #	87
42) Toluene	7.64	91	3603	0.256	ug/L	83
44) trans-1,3-Dichloropropene	7.89	75	1213	0.261	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	548	0.236	ug/L	86
47) Tetrachloroethene	8.23	164	643	0.233	ug/L	86
48) 2-Hexanone	8.37	43	6514	3.188	ug/L #	92
49) Dibromochloromethane	8.48	129	674	0.228	ug/L	86
50) 1,2-Dibromoethane	8.59	107	538	0.238	ug/L #	97
51) Chlorobenzene	9.12	112	2397	0.276	ug/L	87
52) Ethylbenzene	9.25	91	4372	0.267	ug/L	99
53) m,p-xylene	9.38	106	1390	0.240	ug/L	95
54) o-xylene	9.78	106	1418	0.251	ug/L	90
55) Styrene	9.80	104	2371	0.247	ug/L	96
56) Isopropylbenzene	10.17	105	3909	0.249	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	877	0.287	ug/L #	80
59) 1,2,3-Trichloropropane	10.49	75	512m	0.211	ug/L	
62) 1,3-Dichlorobenzene	11.42	146	1905	0.289	ug/L	92
63) 1,4-Dichlorobenzene	11.51	146	1918	0.289	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	1841	0.298	ug/L #	86
67) 1,3,5-Trichlorobenzene	12.89	180	1543	0.292	ug/L #	85
68) 1,2,4-trichlorobenzene	13.51	180	1224	0.267	ug/L #	91
70) 1,2,3-Trichlorobenzene	13.99	180	1239	0.293	ug/L #	88

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

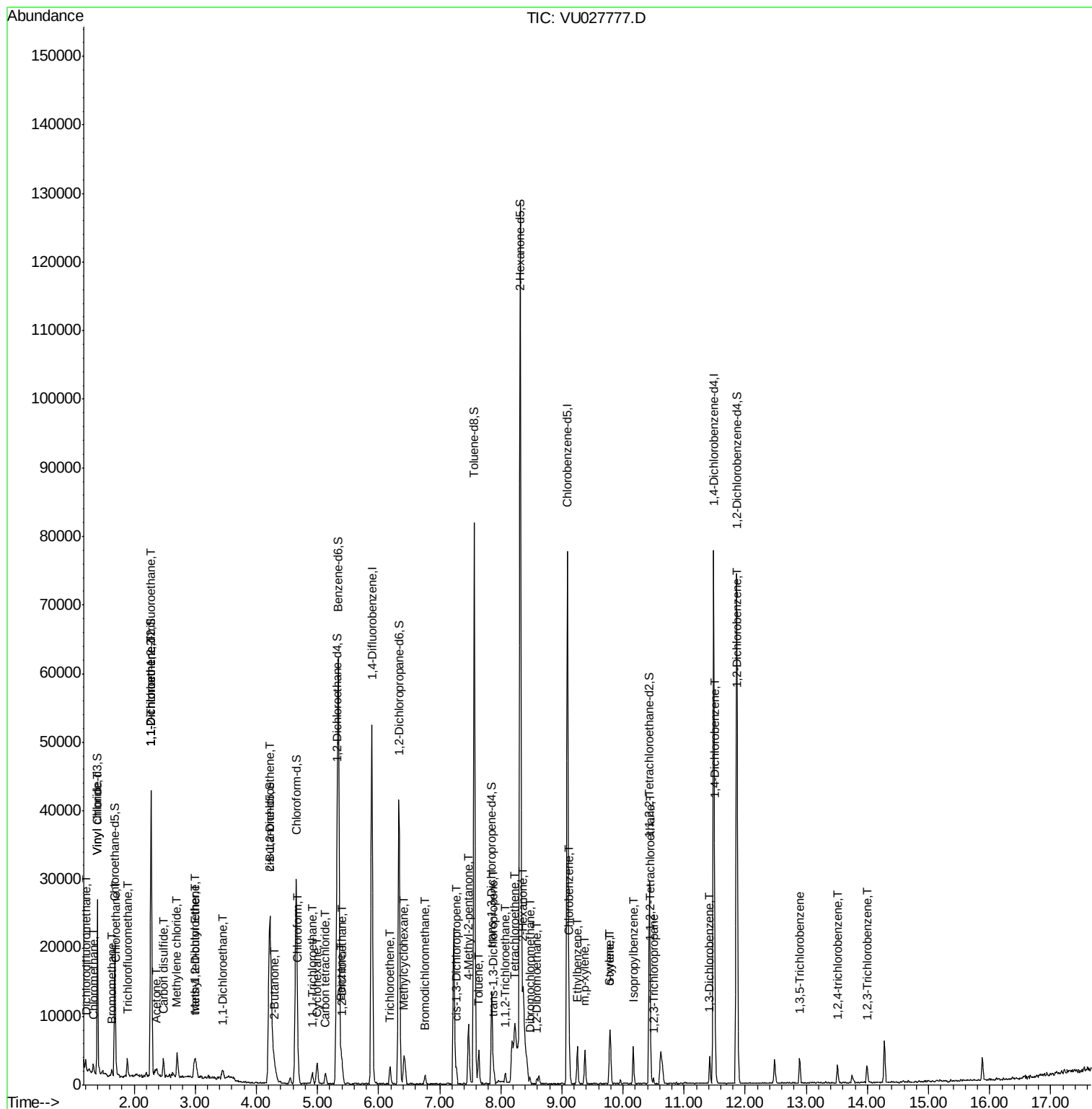
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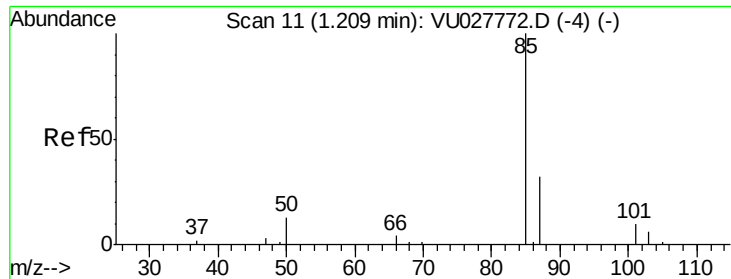
Instrument :
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#2

Dichlorodifluoromethane

Concen: 0.271 ug/L

RT: 1.21 min Scan# 11

Delta R.T. -0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Tgt Ion: 85 Resp: 1061

Ion Ratio Lower Upper

85 100

87 32.8 25.4 38.0

Instrument :

MSVOA_U

ClientSampled :

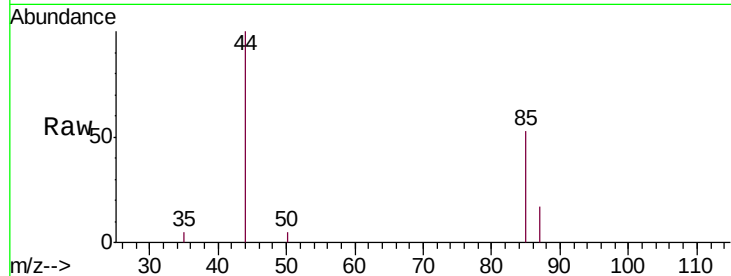
MDL01

Manual Integrations

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MMDadoda

10/26/2018 11:26:19 AM



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1200

1000

800

600

400

200

0

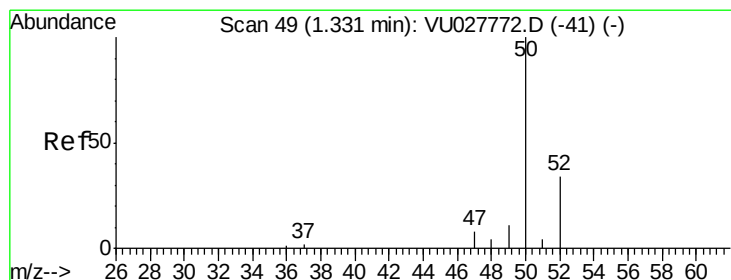
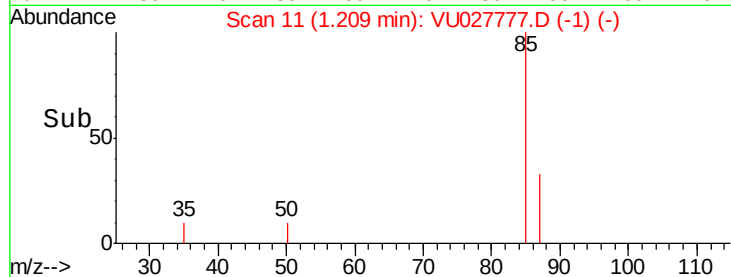
1.18

1.20

1.22

1.24

Time-->



#3

Chloromethane

Concen: 0.268 ug/L

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027777.D

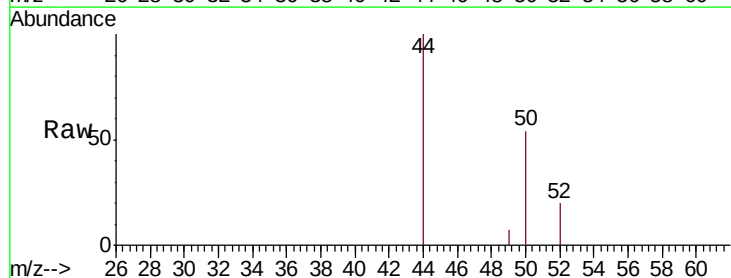
Acq: 24 Oct 2018 11:47

Tgt Ion: 50 Resp: 1176

Ion Ratio Lower Upper

50 100

52 37.5 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1000

800

600

400

200

0

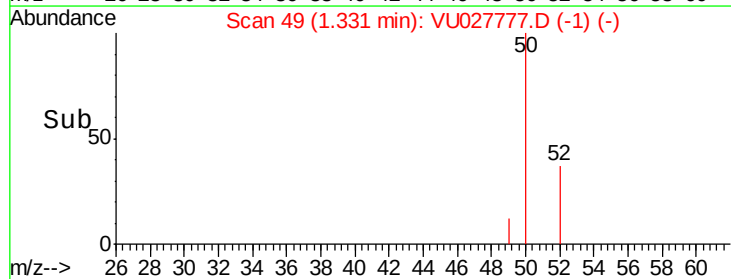
1.30

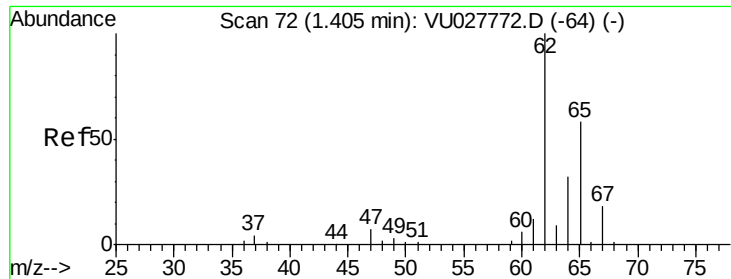
1.32

1.34

1.36

Time-->





#5

Vinyl chloride

Concen: 0.266 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tgt Ion: 62 Resp: 1125

Ion Ratio Lower Upper

62 100

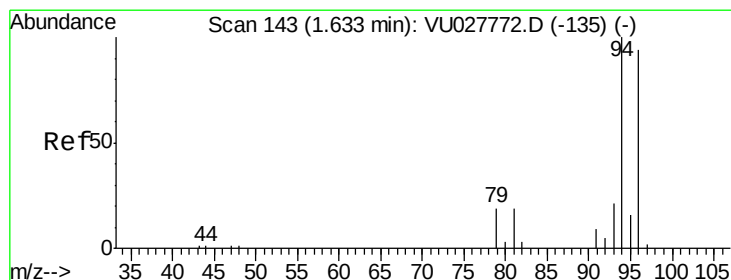
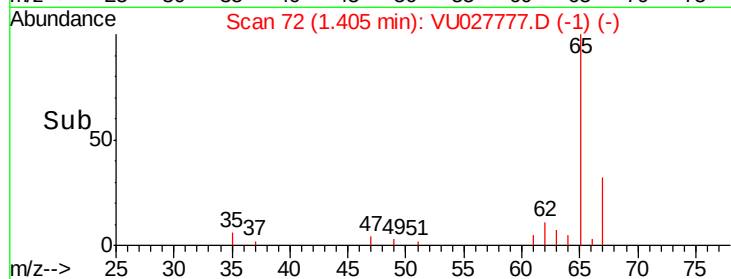
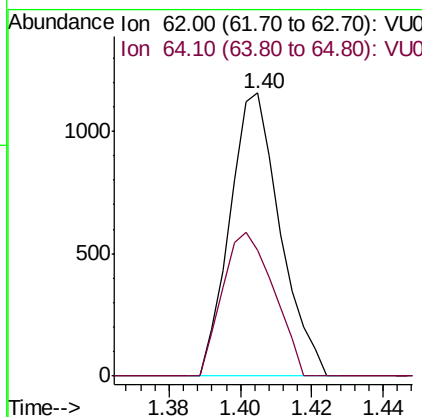
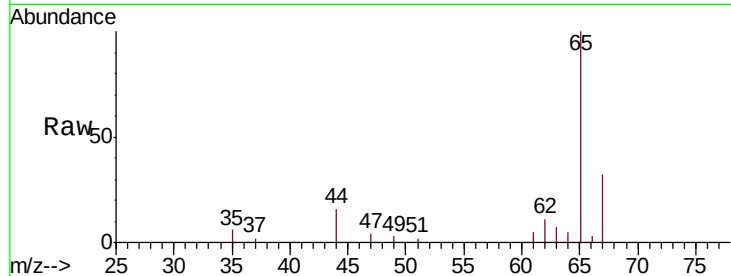
64 44.4 22.7 42.1#

Manual Integrations

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#6

Bromomethane

Concen: 0.274 ug/L

RT: 1.63 min Scan# 143

Delta R.T. -0.00 min

Lab File: VU027777.D

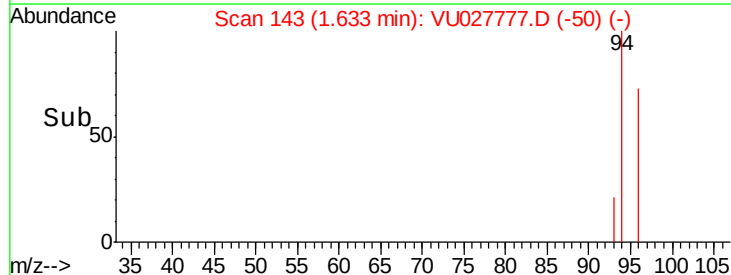
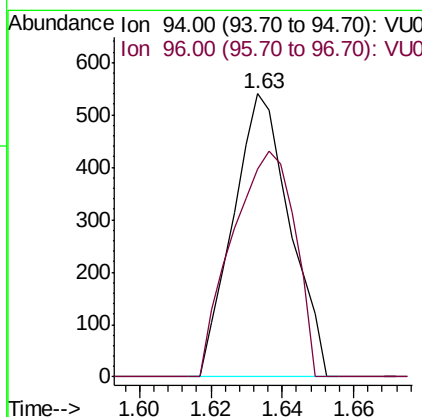
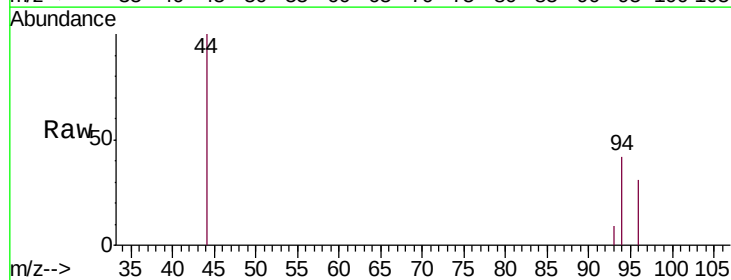
Acq: 24 Oct 2018 11:47

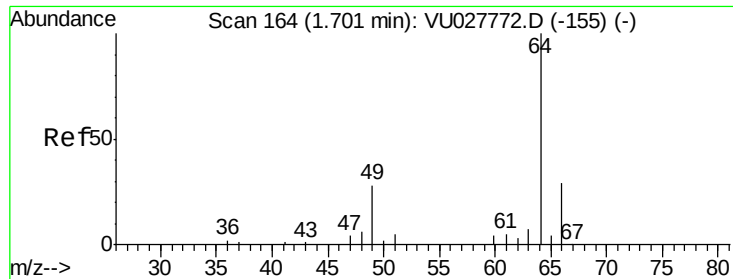
Tgt Ion: 94 Resp: 594

Ion Ratio Lower Upper

94 100

96 73.3 65.5 121.7





#8

Chloroethane

Concen: 0.284 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tgt Ion: 64 Resp: 649

Ion Ratio Lower Upper

64 100

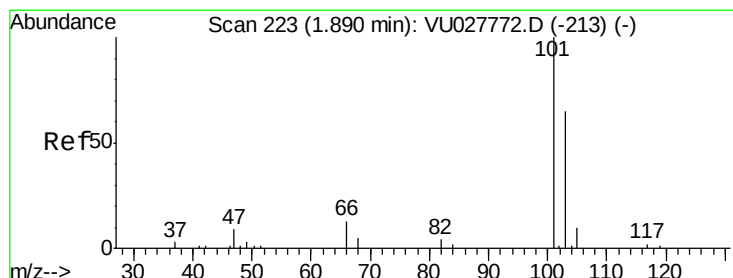
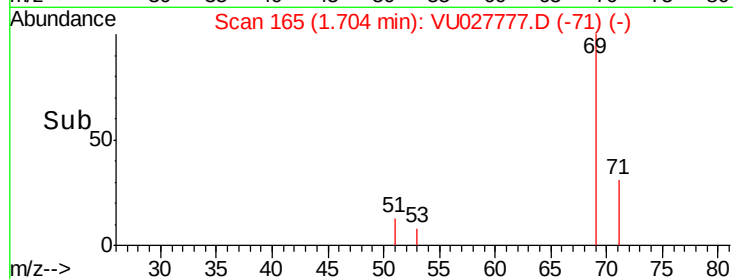
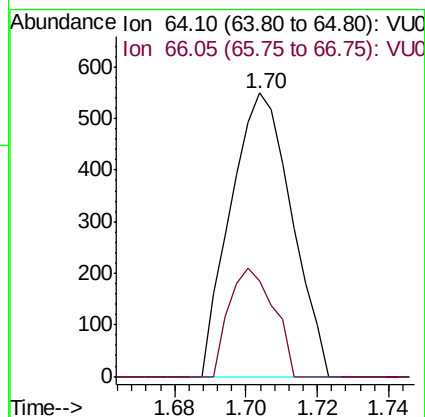
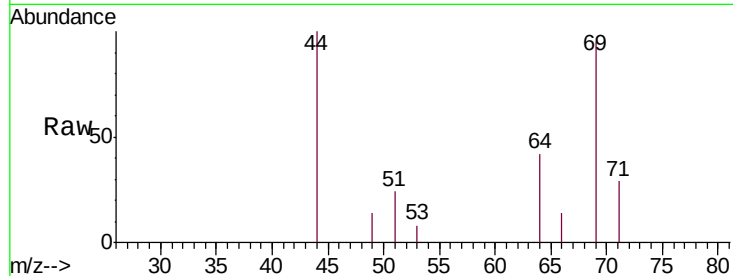
66 33.9 20.3 37.7

Manual Integrations

APPROVED

MMDadoda

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#9

Trichlorofluoromethane

Concen: 0.259 ug/L

RT: 1.89 min Scan# 223

Delta R.T. -0.00 min

Lab File: VU027777.D

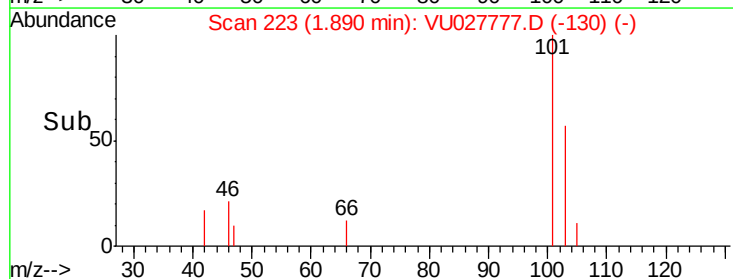
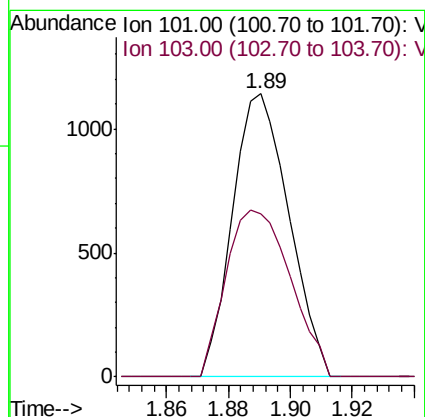
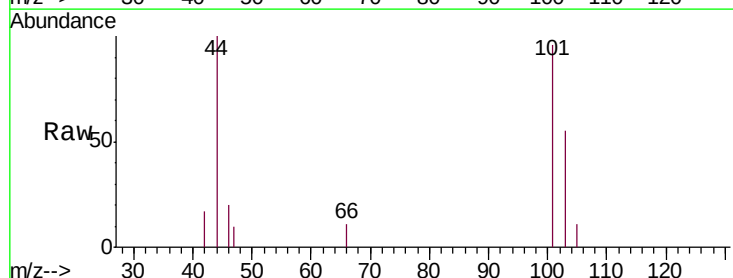
Acq: 24 Oct 2018 11:47

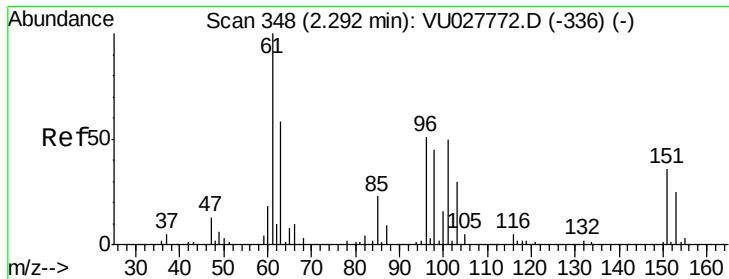
Tgt Ion: 101 Resp: 1448

Ion Ratio Lower Upper

101 100

103 67.5 51.0 76.4





#10

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

Concen: 0.316 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

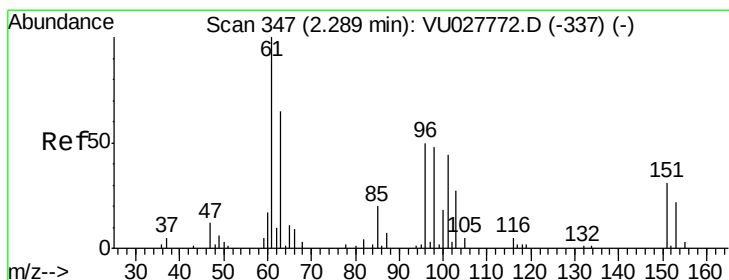
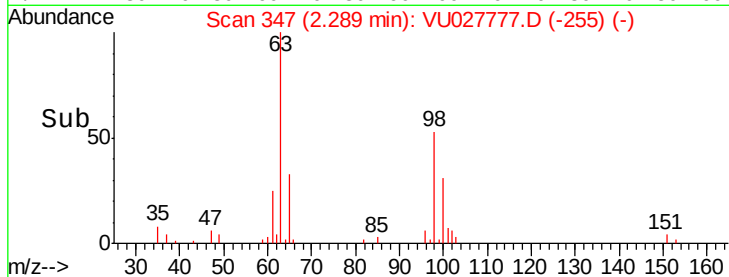
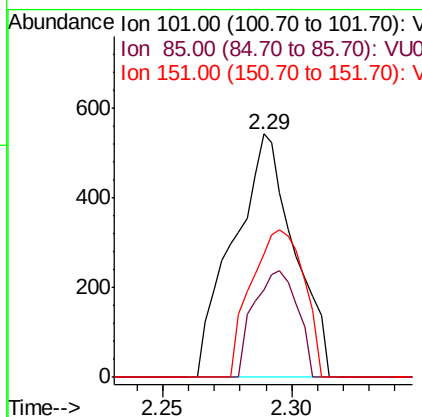
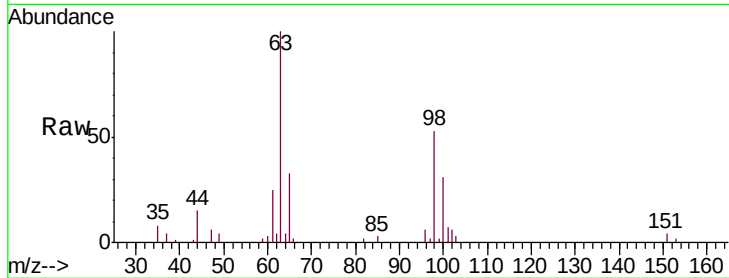
ClientSampled :

MDL01

Tgt Ion:	101	Resp:	892
Ion Ratio	Lower	Upper	
101	100		
85	31.7	38.1	57.1#
151	52.9	57.0	85.4#

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#12

1,1-Dichloroethene

Concen: 0.264 ug/L

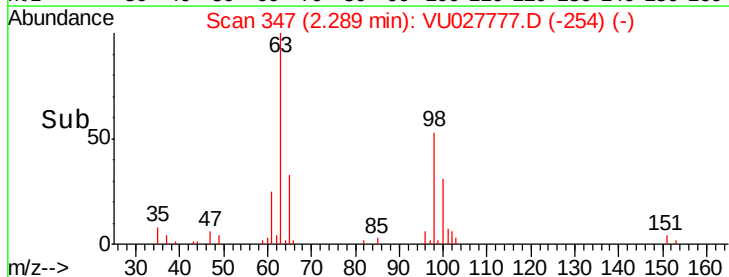
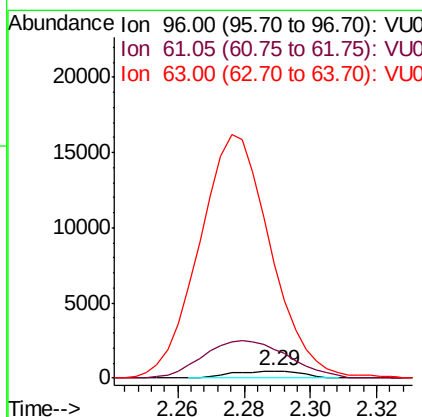
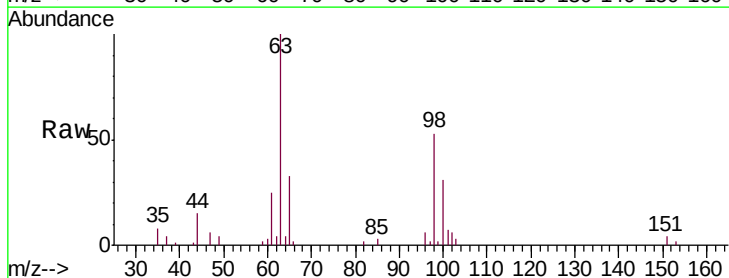
RT: 2.29 min Scan# 347

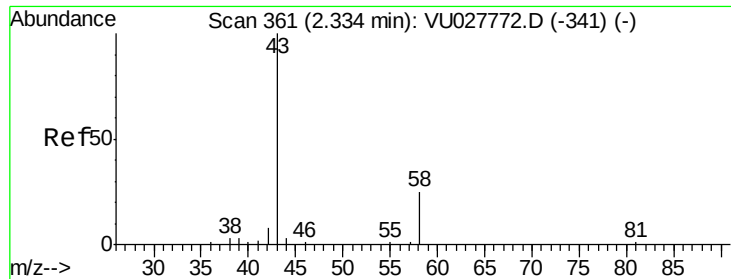
Delta R.T. -0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Tgt Ion:	96	Resp:	694
Ion Ratio	Lower	Upper	
96	100		
61	428.3	143.8	267.0#
63	1689.6	105.1	195.3#





#13

Acetone

Concen: 3.081 ug/L

RT: 2.36 min Scan# 370

Delta R.T. 0.03 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tgt Ion: 43 Resp: 2219

Ion Ratio Lower Upper

43 100

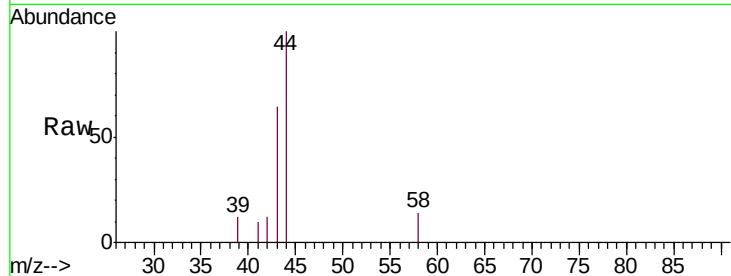
58 10.0 0.0 52.8

Manual Integrations

APPROVED

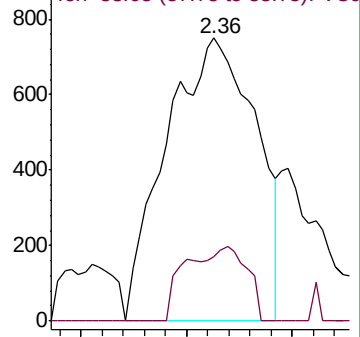
MMDadoda

10/26/2018 11:26:19 AM

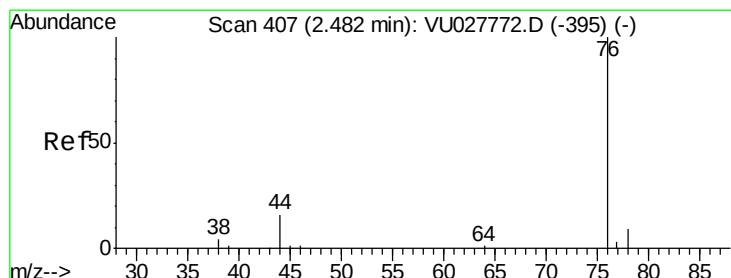
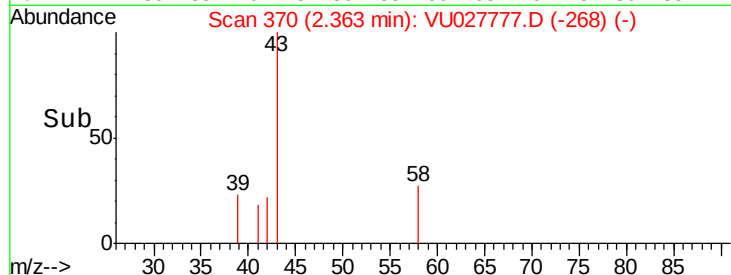


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



Time-->



#14

Carbon disulfide

Concen: 0.296 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027777.D

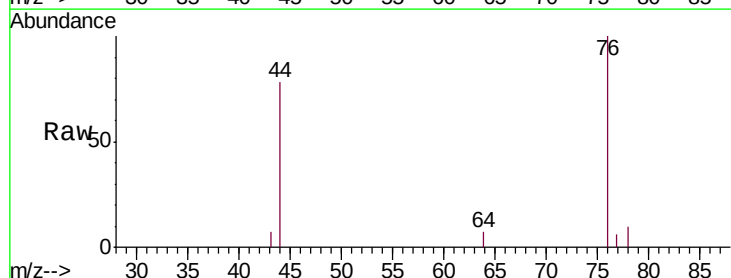
Acq: 24 Oct 2018 11:47

Tgt Ion: 76 Resp: 2667

Ion Ratio Lower Upper

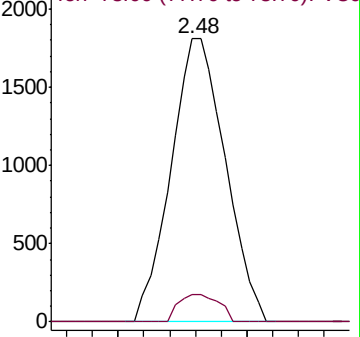
76 100

78 9.8 7.4 11.0

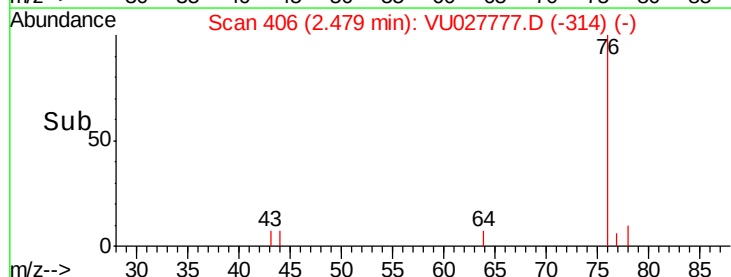


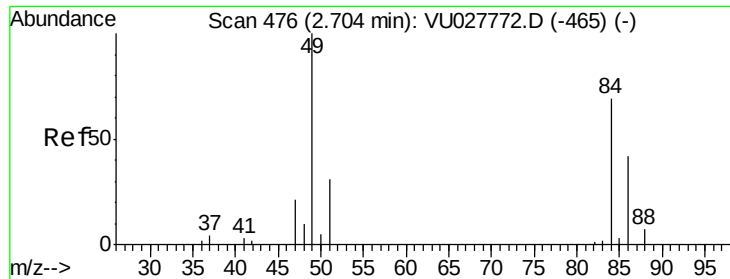
Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0



Time-->





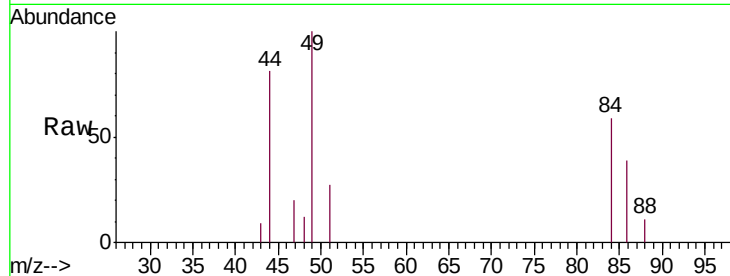
#16
Methylene chloride
Concen: 0.451 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

Instrument :
MSVOA_U
ClientSampled :
MDL01

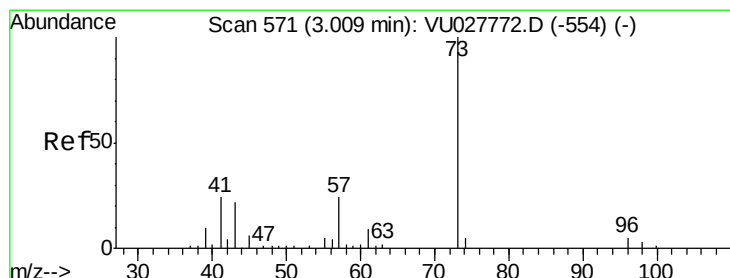
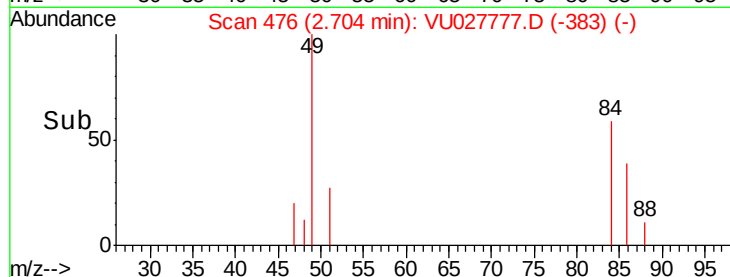
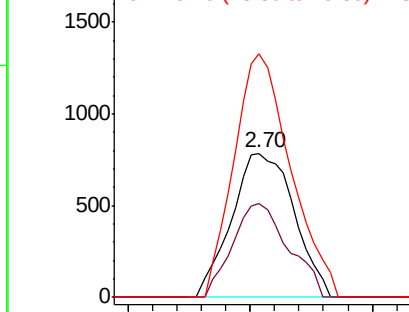
Tgt Ion: 84 Resp: 1398
Ion Ratio Lower Upper
84 100
86 65.3 42.8 79.4
49 169.3 101.4 188.4

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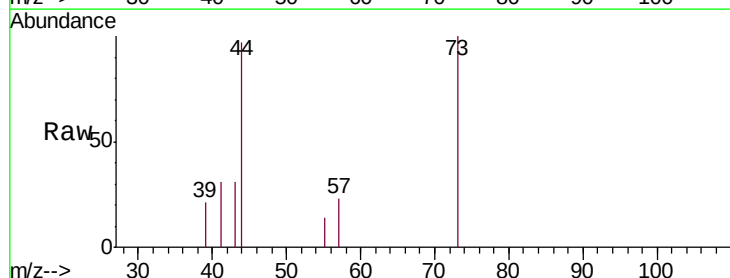


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

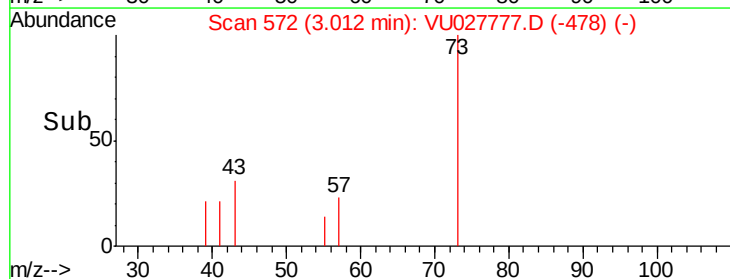
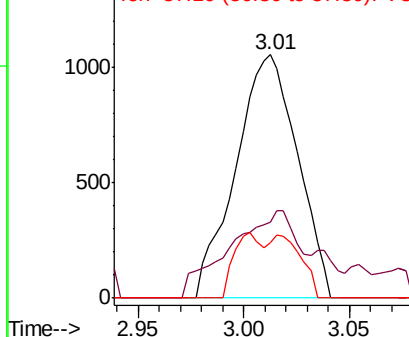


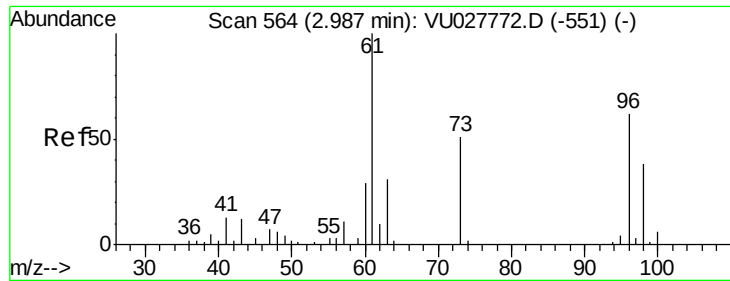
#17
Methyl tert-butyl Ether
Concen: 0.254 ug/L
RT: 3.01 min Scan# 572
Delta R.T. 0.00 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

Tgt Ion: 73 Resp: 2140
Ion Ratio Lower Upper
73 100
43 40.2 18.6 28.0#
57 13.4 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





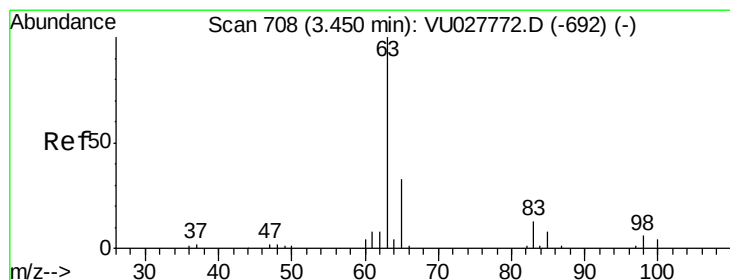
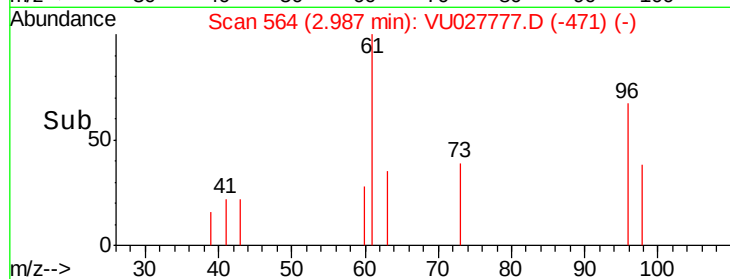
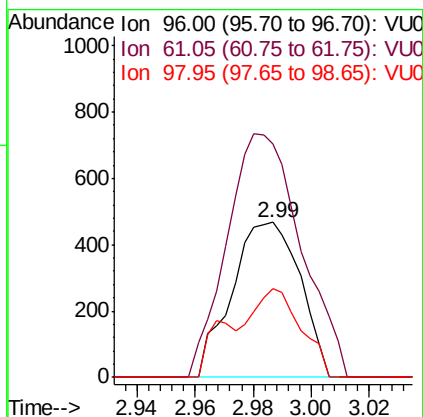
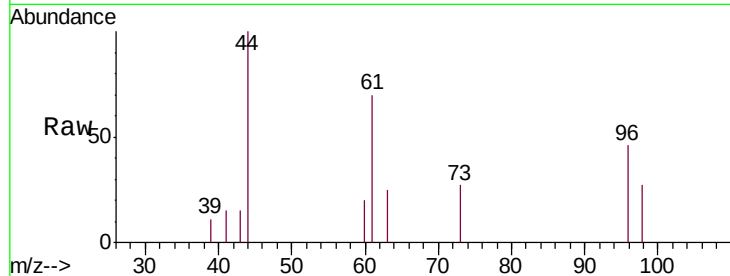
#18
trans-1,2-Dichloroethene
Concen: 0.271 ug/L
RT: 2.99 min Scan# 564
Delta R.T. -0.00 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.2	112.1	208.3
98	57.3	42.1	78.3

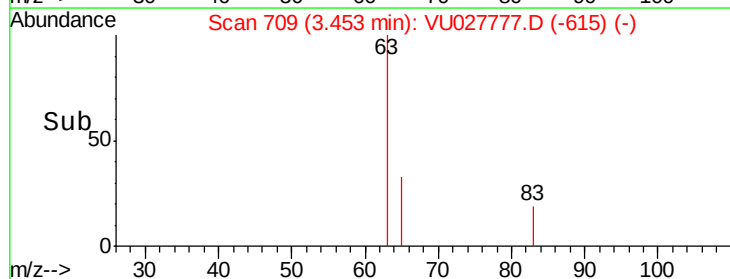
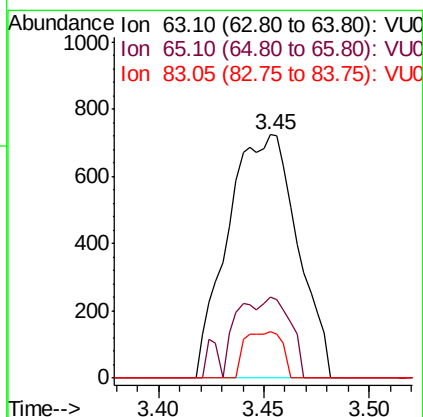
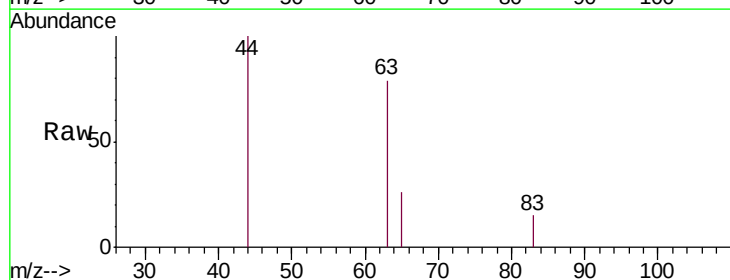
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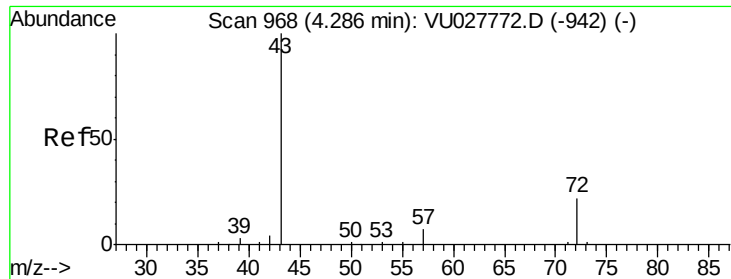
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#19
1,1-Dichloroethane
Concen: 0.267 ug/L
RT: 3.45 min Scan# 709
Delta R.T. 0.00 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.3	23.1	42.9
83	18.9	9.2	17.0#





#21

2-Butanone

Concen: 2.369 ug/L m

RT: 4.31 min Scan# 976

Delta R.T. 0.03 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tgt Ion: 43 Resp: 2800

Ion Ratio Lower Upper

43 100

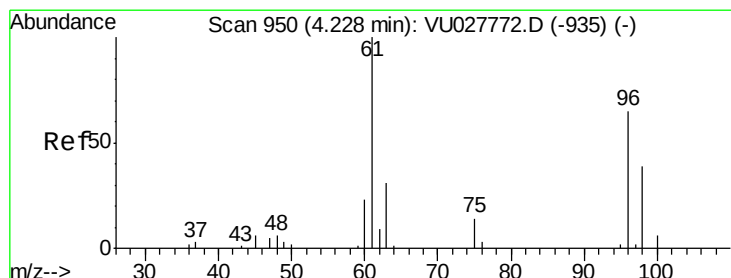
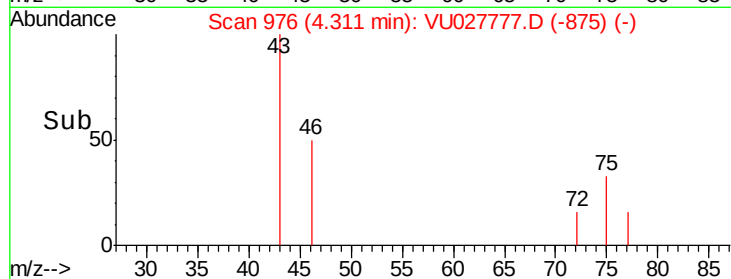
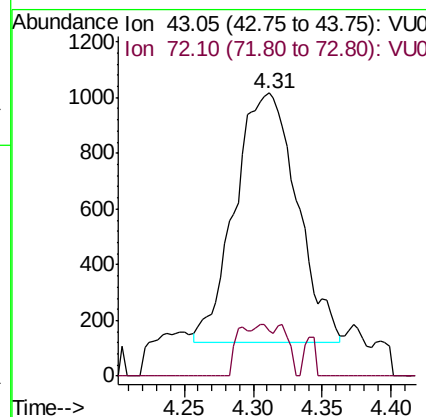
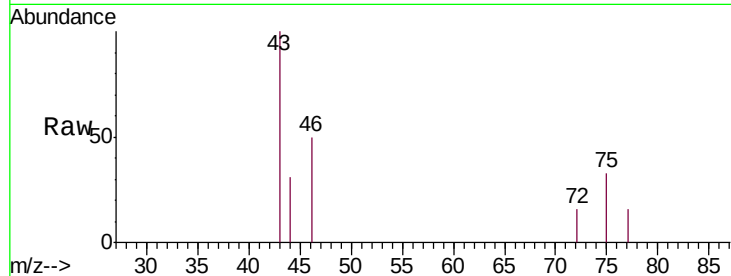
72 5.4 10.5 31.6#

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#22

cis-1,2-Dichloroethene

Concen: 0.246 ug/L

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

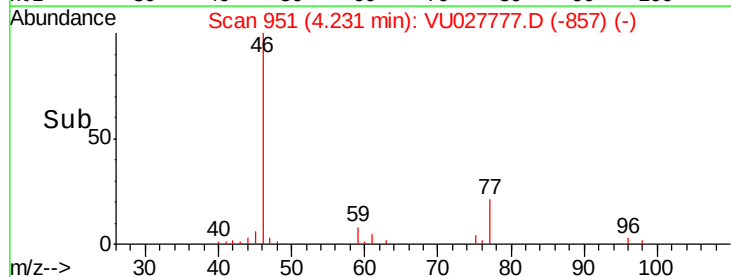
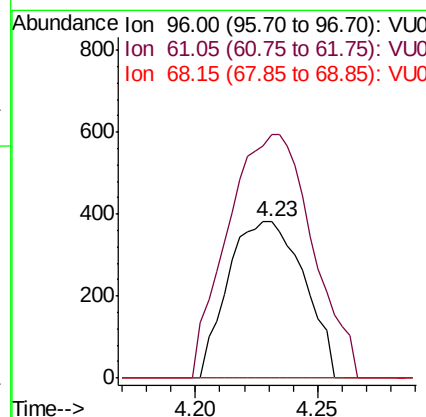
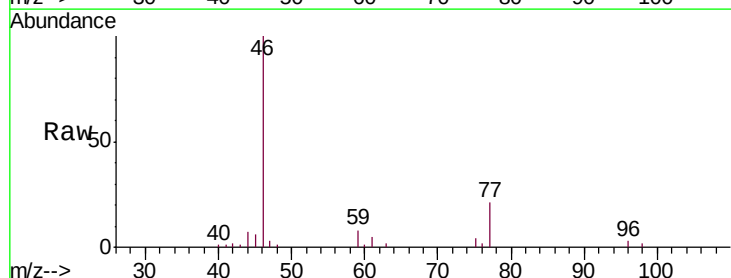
Tgt Ion: 96 Resp: 824

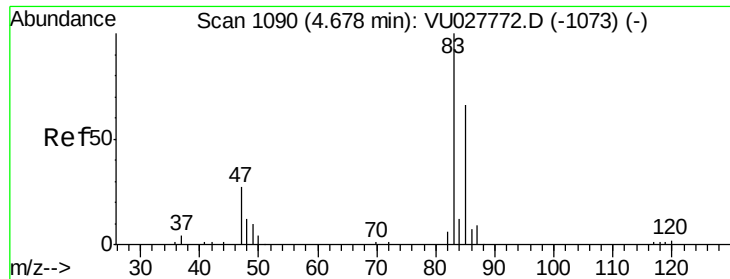
Ion Ratio Lower Upper

96 100

61 155.5 107.2 199.0

68 0.0 0.0 0.0





#25

Chloroform

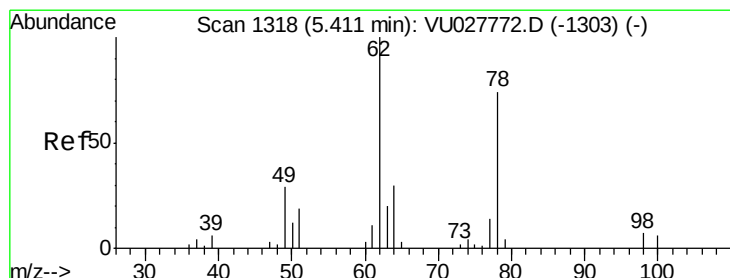
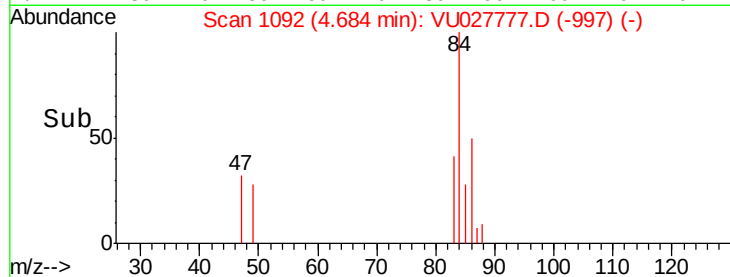
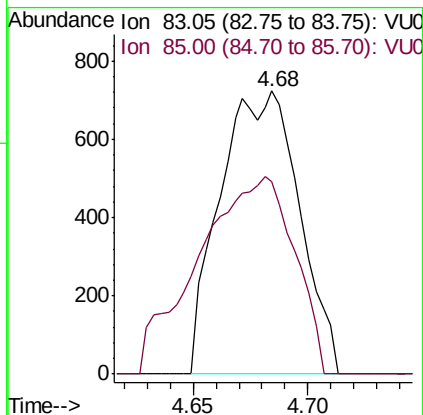
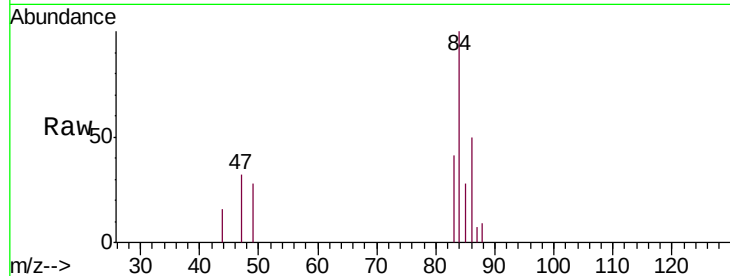
Concen: 0.277 ug/L m
RT: 4.68 min Scan# 1092
Delta R.T. 0.01 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion: 83 Resp: 1736
Ion Ratio Lower Upper
83 100
85 68.0 45.8 85.2

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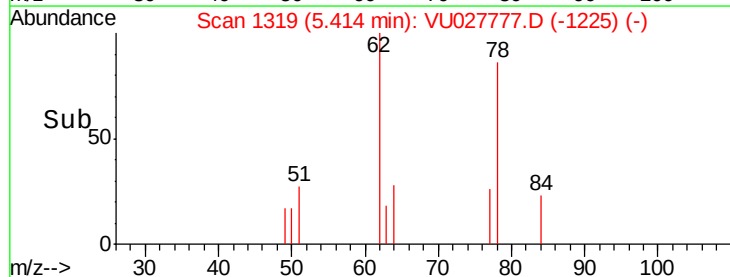
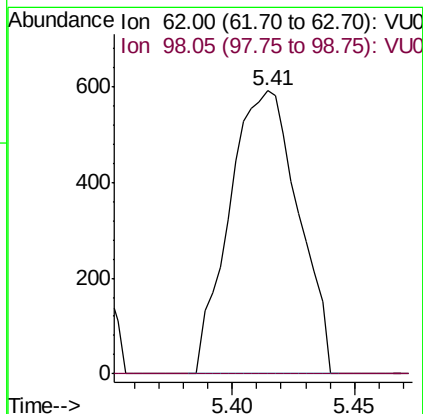
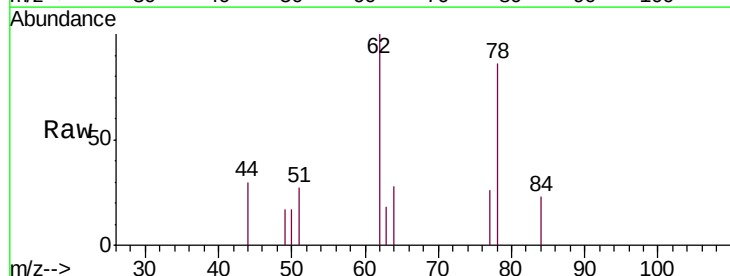


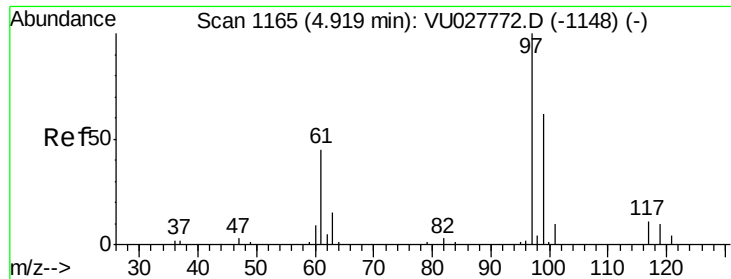
#27

1,2-Dichloroethane

Concen: 0.250 ug/L
RT: 5.41 min Scan# 1319
Delta R.T. 0.00 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

Tgt Ion: 62 Resp: 1157
Ion Ratio Lower Upper
62 100
98 0.0 5.7 8.5#





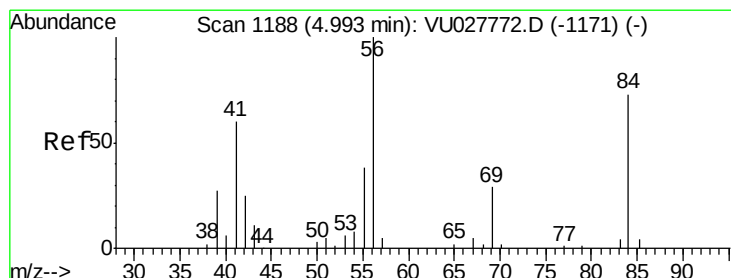
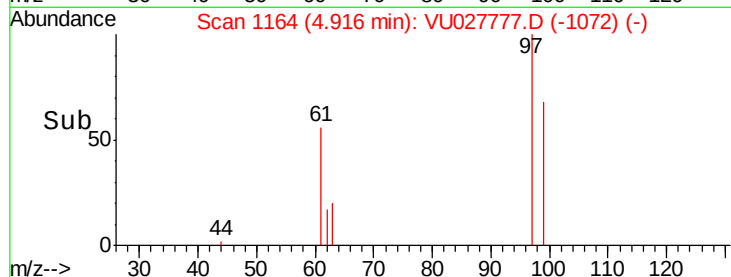
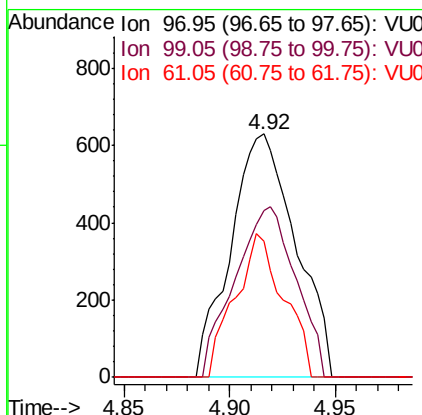
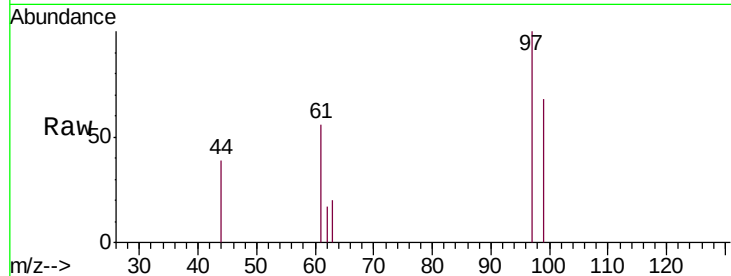
#29
1,1,1-Trichloroethane
Concen: 0.238 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

Instrument :
MSVOA_U
ClientSampled :
MDL01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.3	76.9
61	44.1	36.7	55.1

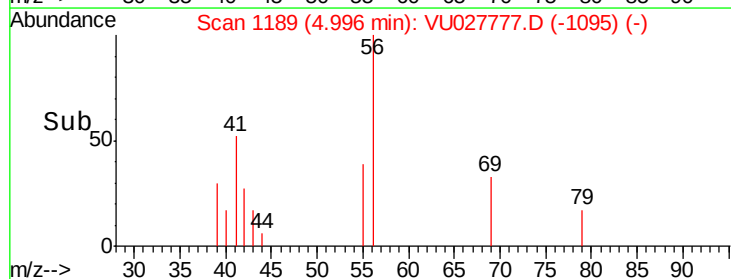
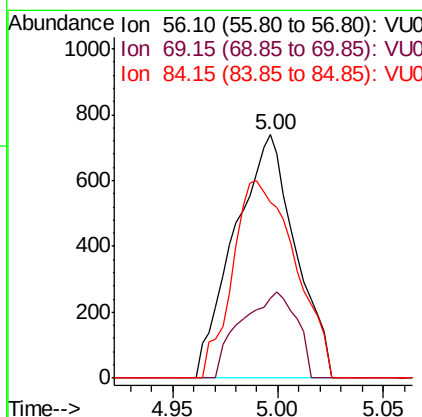
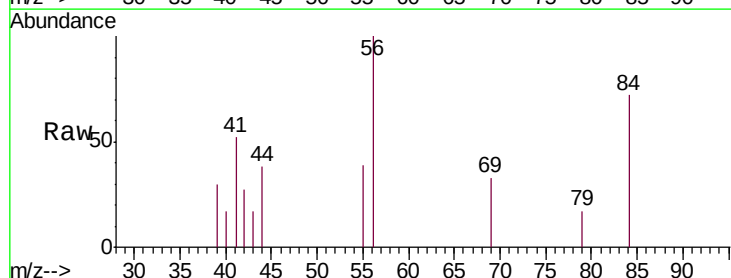
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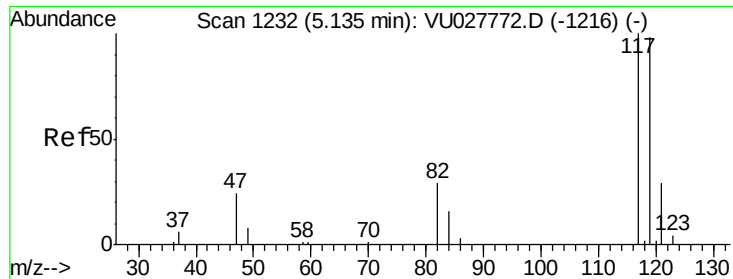
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#30
Cyclohexane
Concen: 0.234 ug/L
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.2	22.2	33.4
84	83.2	58.6	88.0





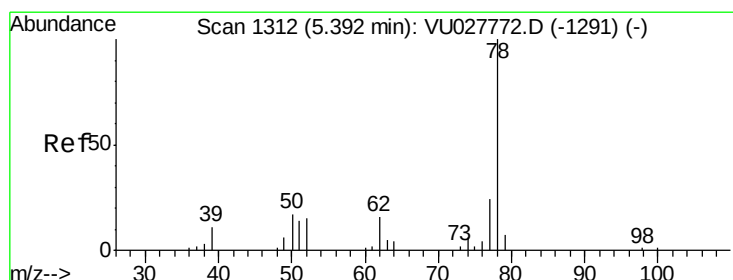
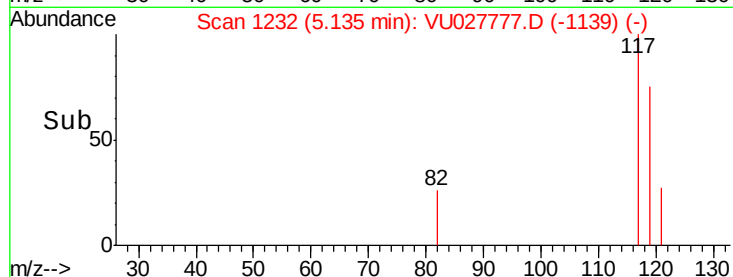
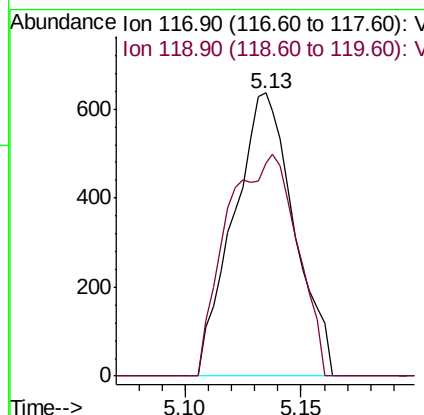
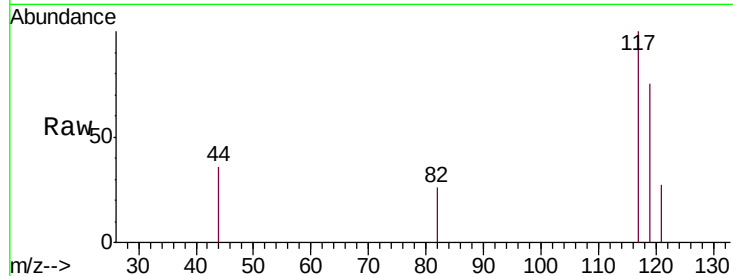
#31
Carbon tetrachloride
Concen: 0.237 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion: 117 Resp: 1154
Ion Ratio Lower Upper
117 100
119 91.2 77.0 115.6

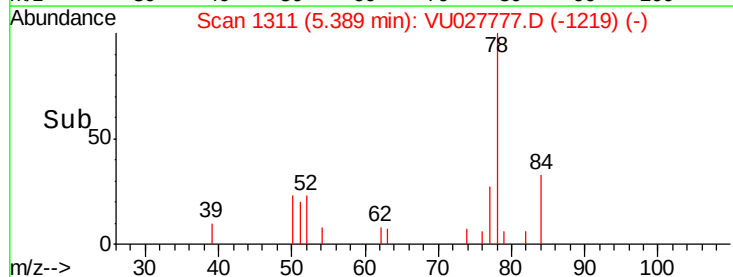
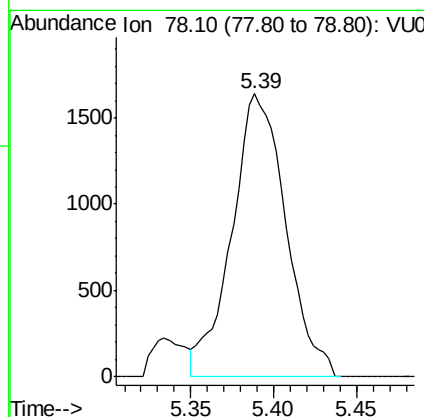
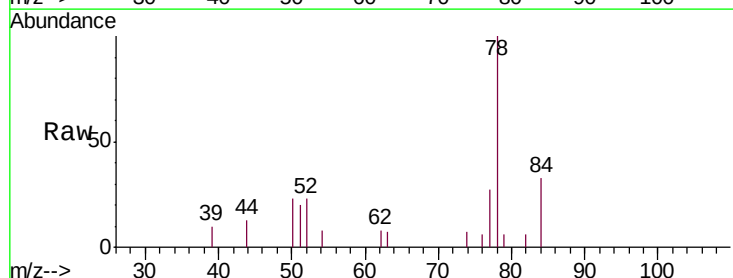
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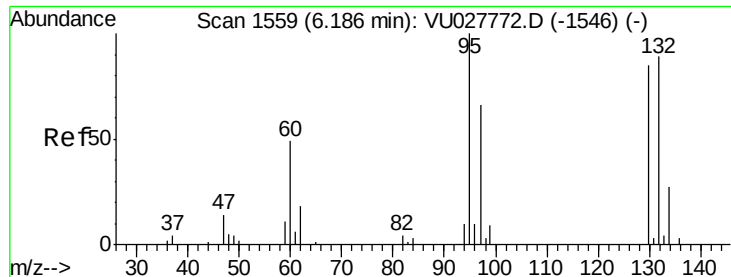
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#33
Benzene
Concen: 0.284 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

Tgt Ion: 78 Resp: 3715





#34

Trichloroethene

Concen: 0.264 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

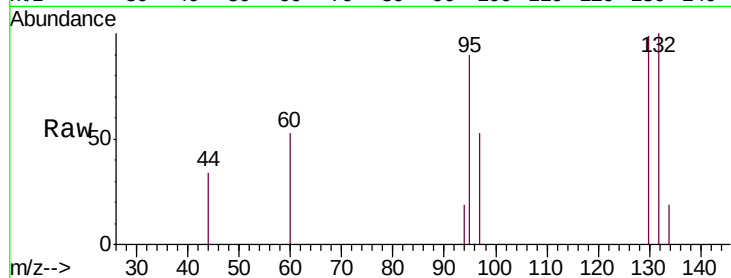
ClientSampled :

MDL01

Tgt Ion:	95	Resp:	896
Ion	Ratio	Lower	Upper
95	100		
97	58.4	46.4	86.2
132	110.9	62.0	115.2
130	109.7	59.5	110.5

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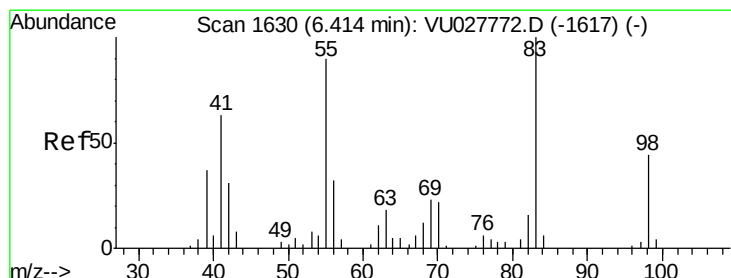
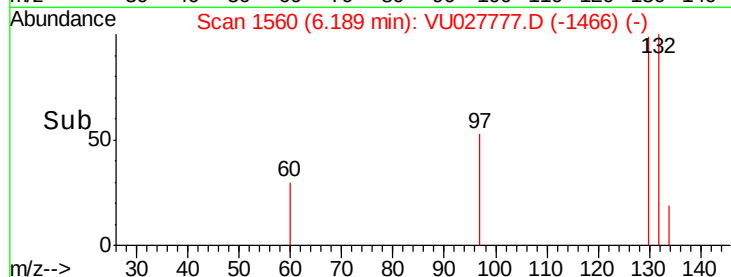
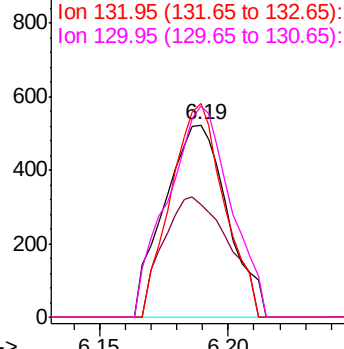


Abundance Ion 95.00 (94.70 to 95.70): VU027777.D (-1546) (-)

Ion 96.95 (96.65 to 97.65): VU027777.D (-1546) (-)

Ion 131.95 (131.65 to 132.65): VU027777.D (-1546) (-)

Ion 129.95 (129.65 to 130.65): VU027777.D (-1546) (-)



#35

Methylcyclohexane

Concen: 0.283 ug/L

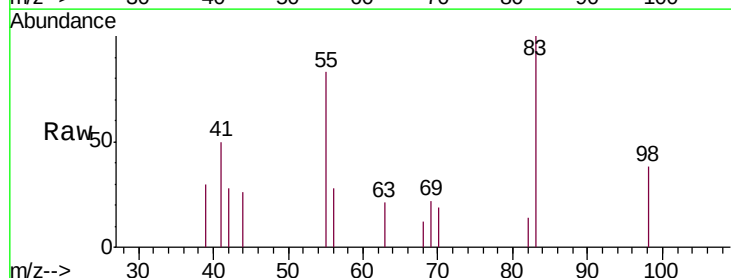
RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

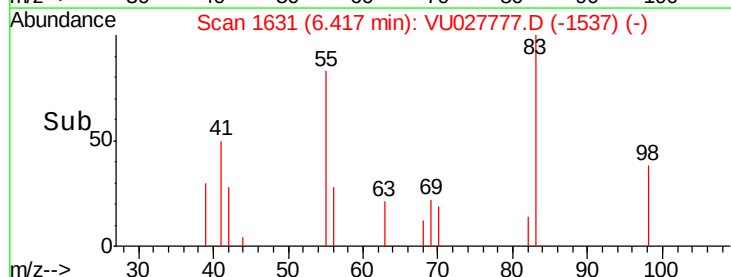
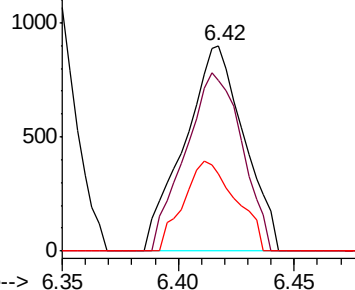
Tgt Ion:	83	Resp:	1605
Ion	Ratio	Lower	Upper
83	100		
55	82.7	71.5	107.3
98	38.4	35.4	53.0

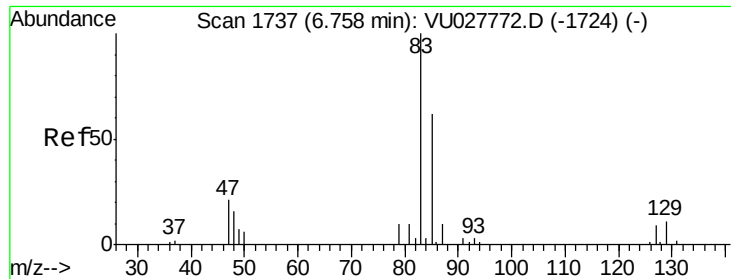


Abundance Ion 83.15 (82.85 to 83.85): VU027777.D (-1617) (-)

Ion 55.10 (54.80 to 55.80): VU027777.D (-1617) (-)

Ion 98.15 (97.85 to 98.85): VU027777.D (-1617) (-)





#38

Bromodichloromethane

Concen: 0.244 ug/L

RT: 6.76 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

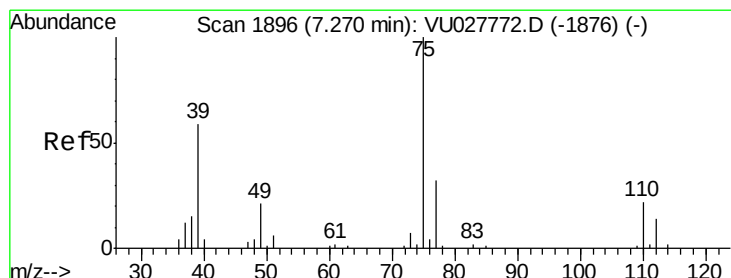
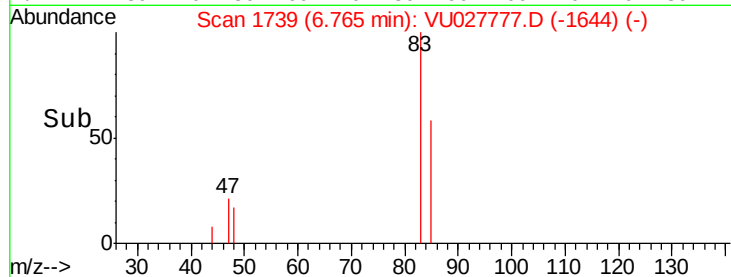
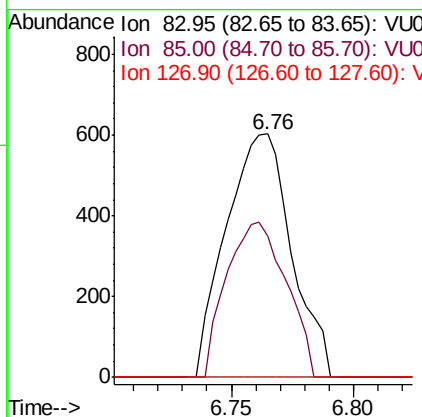
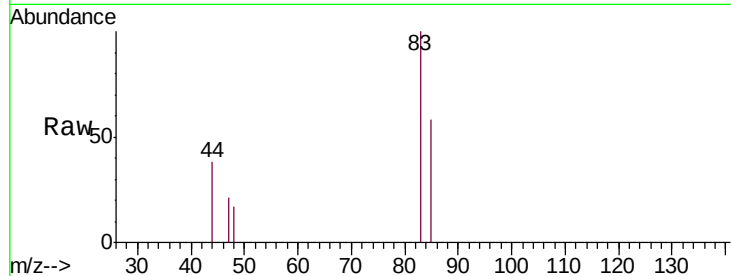
ClientSampleId :

MDL01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.9	43.3	80.5
127	0.0	7.2	10.8

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#39

cis-1,3-Dichloropropene

Concen: 0.262 ug/L

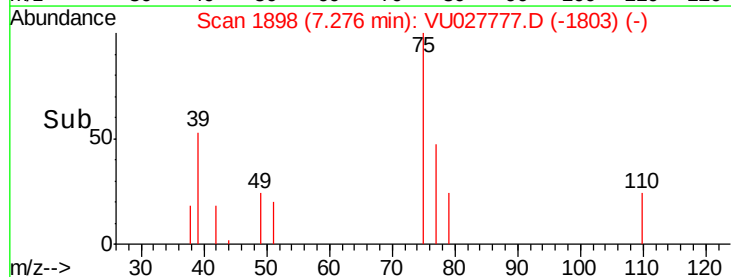
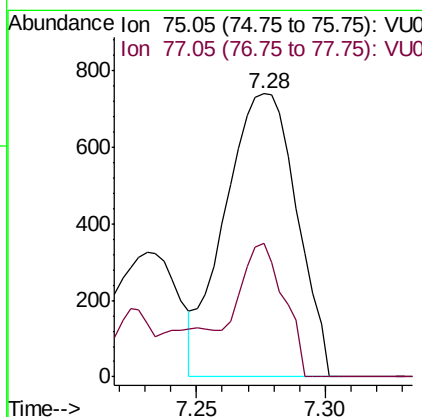
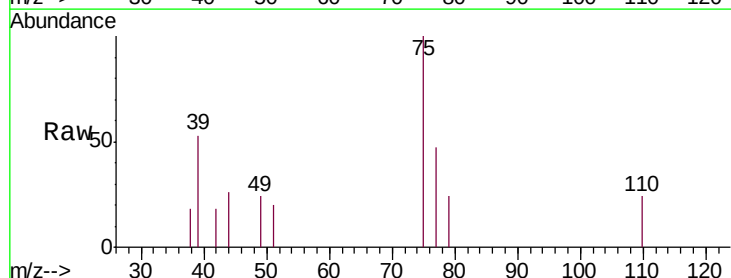
RT: 7.28 min Scan# 1898

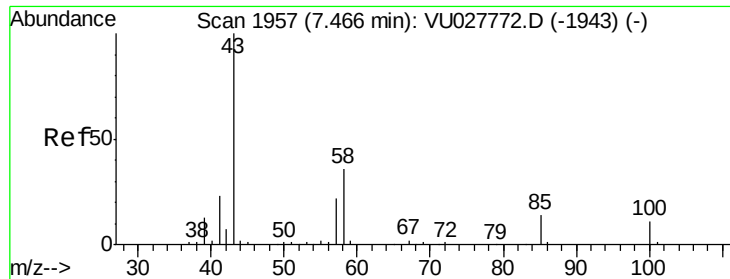
Delta R.T. 0.01 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	47.0	22.5	41.7





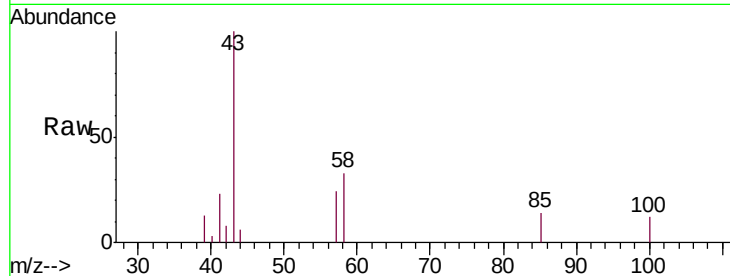
#40
 4-Methyl-2-pentanone
 Concen: 2.569 ug/L
 RT: 7.47 min Scan# 1959
 Delta R.T. 0.01 min
 Lab File: VU027777.D
 Acq: 24 Oct 2018 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

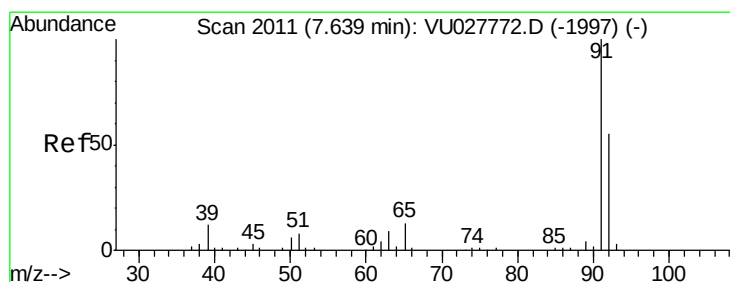
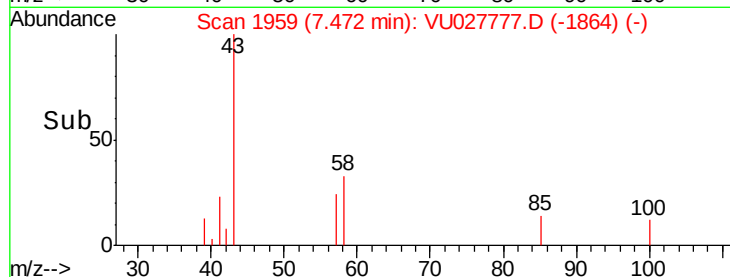
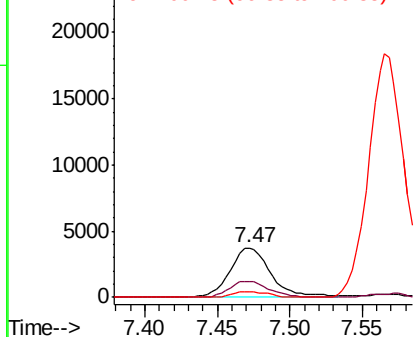
Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.6	28.1	42.1
100	0.0	8.7	13.1#

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MMDadoda
 10/26/2018 11:26:19 AM

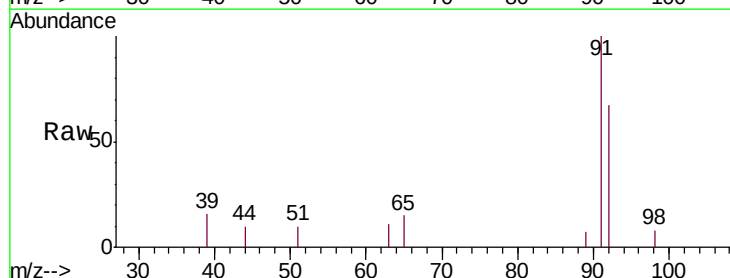


Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0
 Ion 100.15 (99.85 to 100.85): VU0

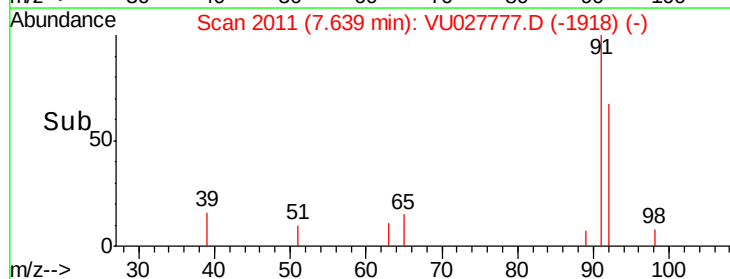
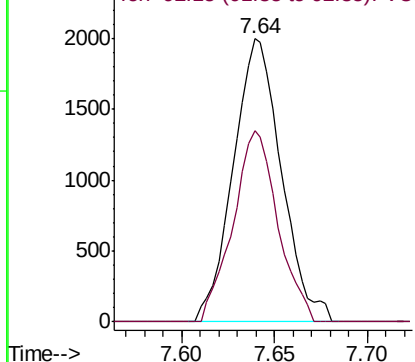


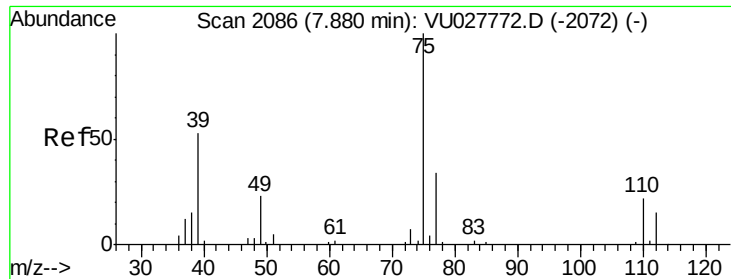
#42
 Toluene
 Concen: 0.256 ug/L
 RT: 7.64 min Scan# 2011
 Delta R.T. -0.00 min
 Lab File: VU027777.D
 Acq: 24 Oct 2018 11:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	67.4	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: 0.261 ug/L

RT: 7.89 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

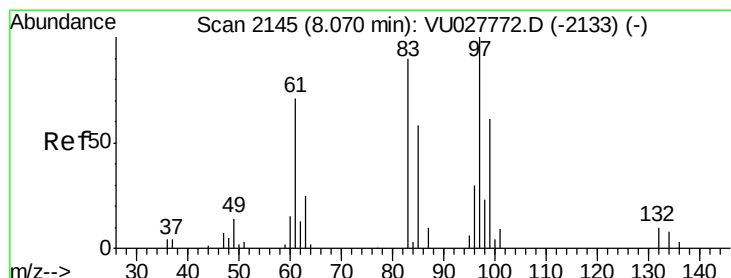
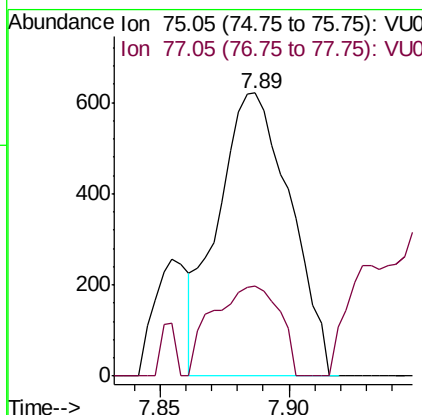
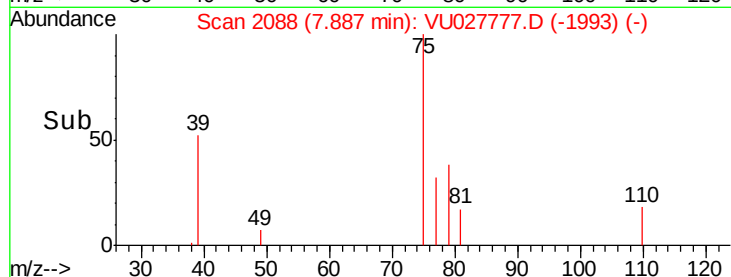
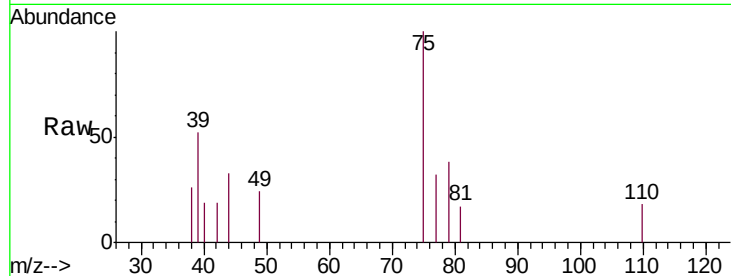
Instrument :
MSVOA_U
ClientSampled :
MDL01

Tgt Ion: 75 Resp: 1213

Ion	Ratio	Lower	Upper
75	100		
77	31.9	23.5	43.7

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#45

1,1,2-Trichloroethane

Concen: 0.236 ug/L

RT: 8.07 min Scan# 2145

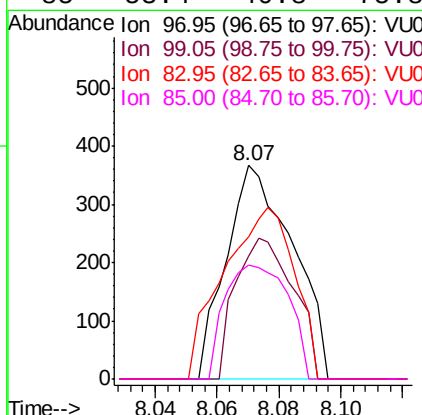
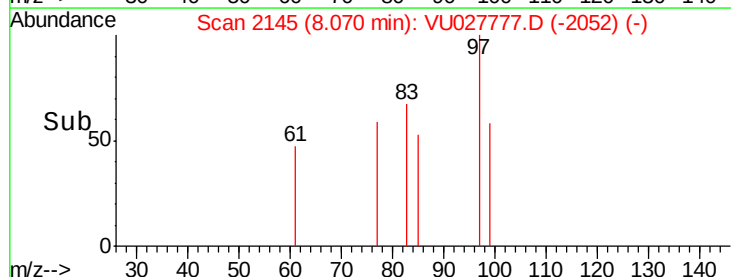
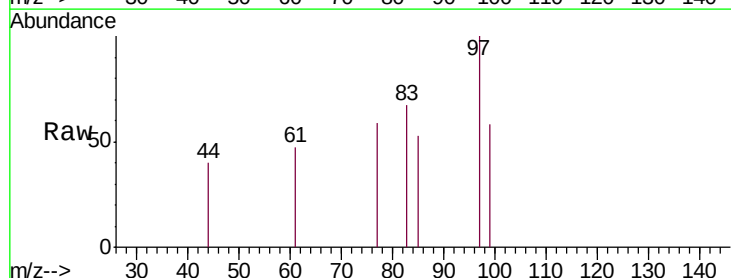
Delta R.T. -0.00 min

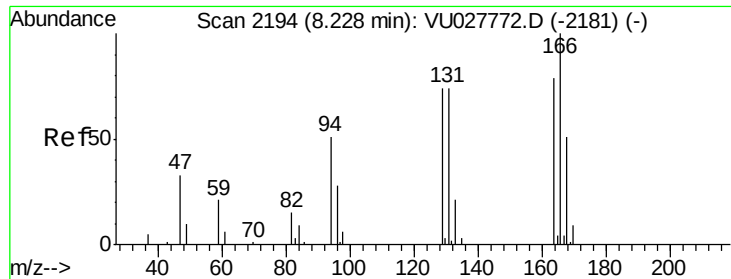
Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Tgt Ion: 97 Resp: 548

Ion	Ratio	Lower	Upper
97	100		
99	57.8	42.8	79.6
83	66.8	62.9	116.9
85	53.4	40.8	75.8





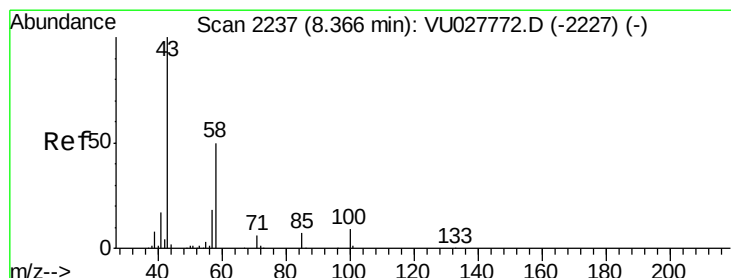
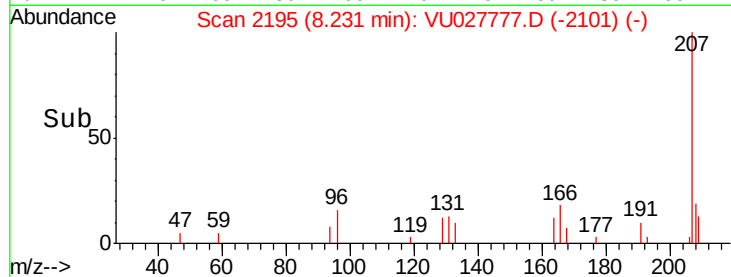
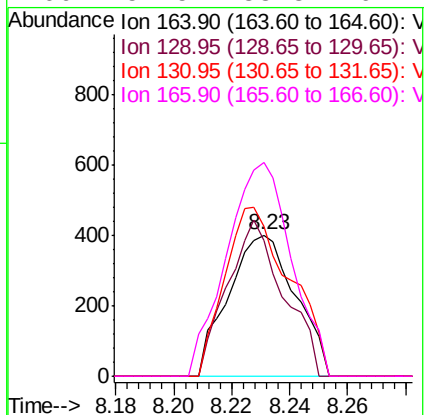
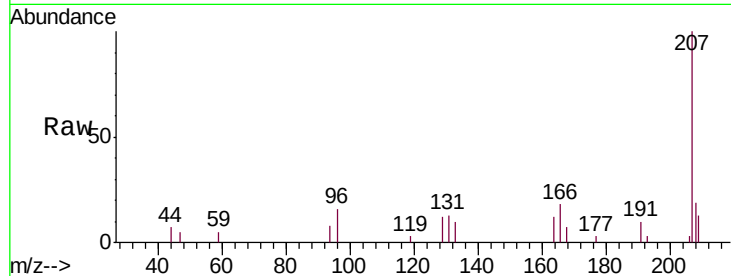
#47
Tetrachloroethene
Concen: 0.233 ug/L
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

Instrument :
MSVOA_U
ClientSampled :
MDL01

Tgt Ion:	164	Resp:	643
Ion	Ratio	Lower	Upper
164	100		
129	96.7	65.6	121.8
131	106.7	65.0	120.8
166	151.5	88.3	164.1

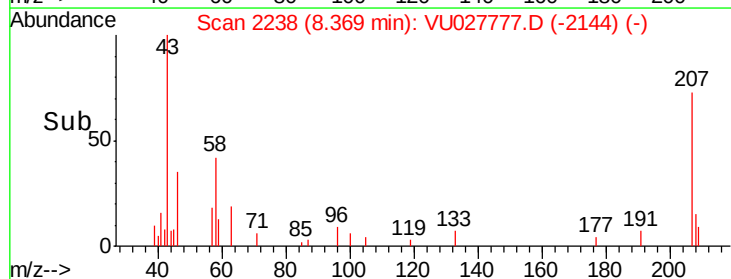
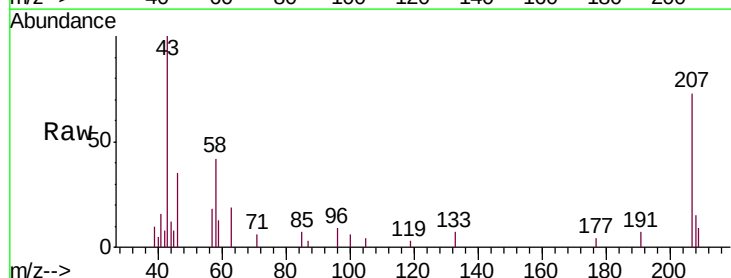
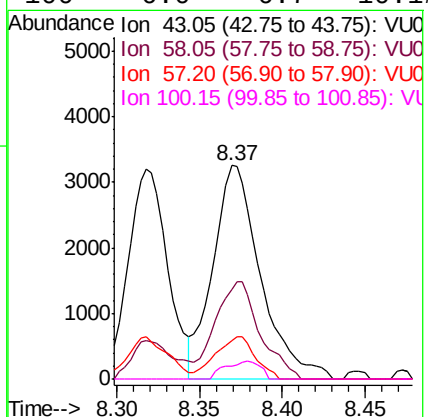
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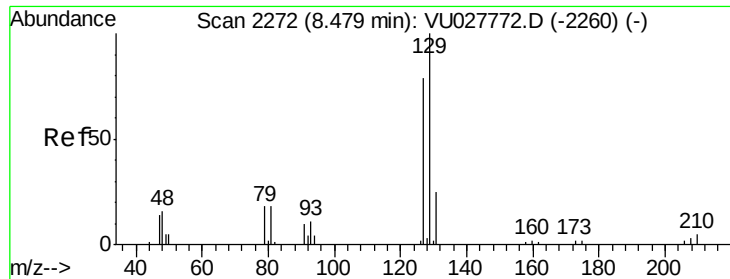
MMDadoda
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#48
2-Hexanone
Concen: 3.188 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

Tgt Ion:	43	Resp:	6514
Ion	Ratio	Lower	Upper
43	100		
58	42.5	39.4	59.0
57	16.5	13.8	20.8
100	6.0	6.7	10.1#





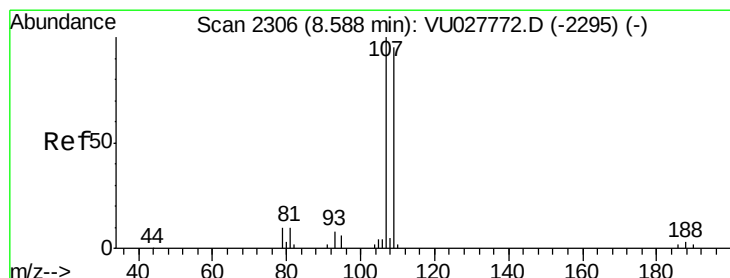
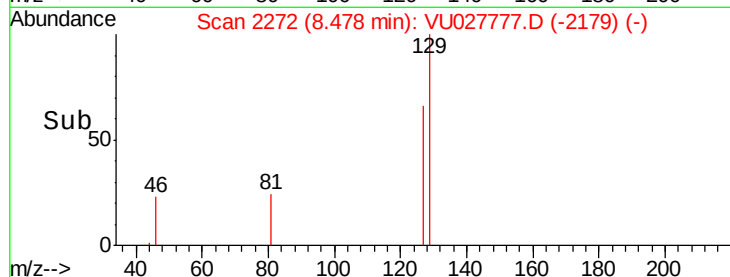
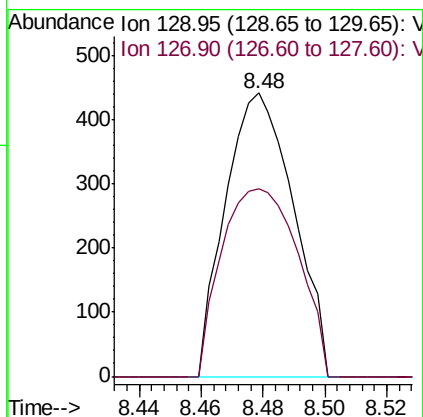
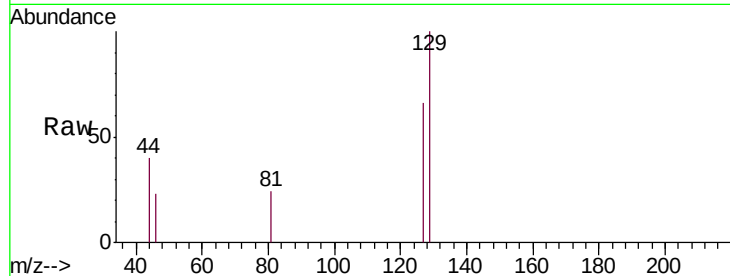
#49
 Dibromochloromethane
 Concen: 0.228 ug/L
 RT: 8.48 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VU027777.D
 Acq: 24 Oct 2018 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tgt Ion:129 Resp: 674
 Ion Ratio Lower Upper
 129 100
 127 66.2 55.2 102.4

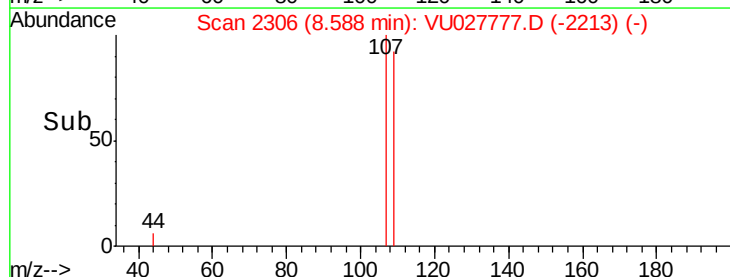
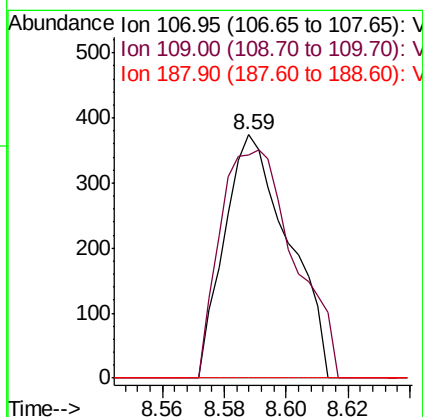
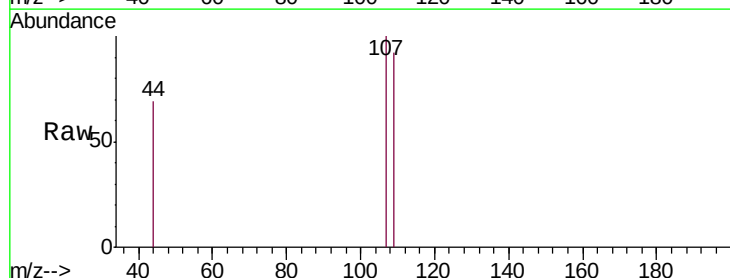
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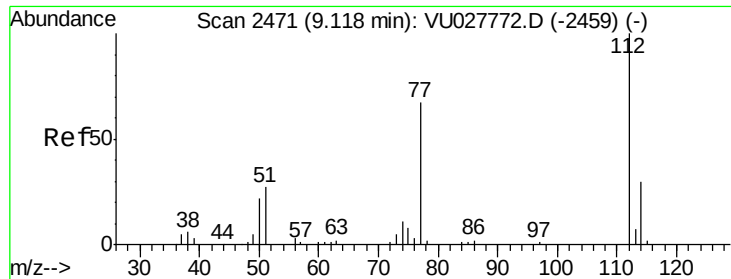
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#50
 1,2-Dibromoethane
 Concen: 0.238 ug/L
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027777.D
 Acq: 24 Oct 2018 11:47

Tgt Ion:107 Resp: 538
 Ion Ratio Lower Upper
 107 100
 109 92.0 66.3 123.1
 188 0.0 2.6 3.8#





#51

Chlorobenzene

Concen: 0.276 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

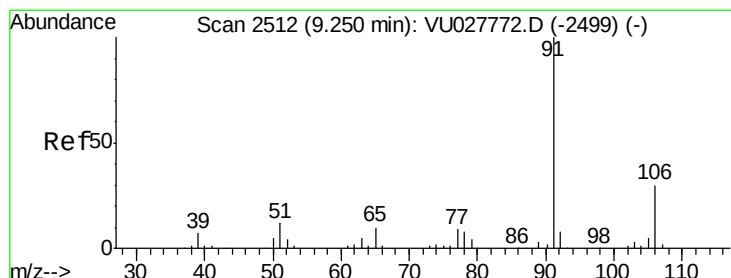
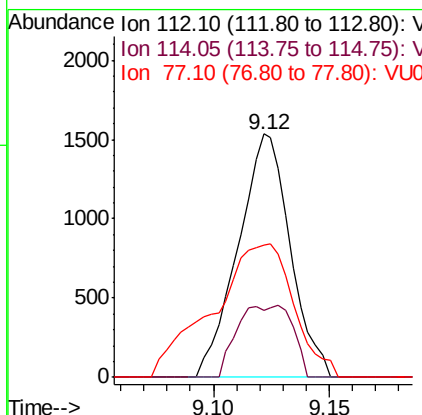
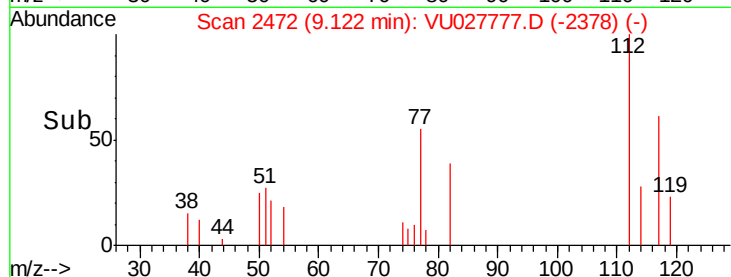
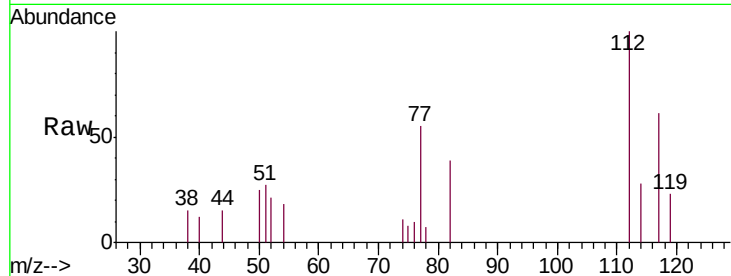
ClientSampleId :

MDL01

Tgt Ion:	112	Resp:	2397
Ion Ratio	Lower	Upper	
112	100		
114	27.6	21.2	39.4
77	54.6	54.2	81.4

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#52

Ethylbenzene

Concen: 0.267 ug/L

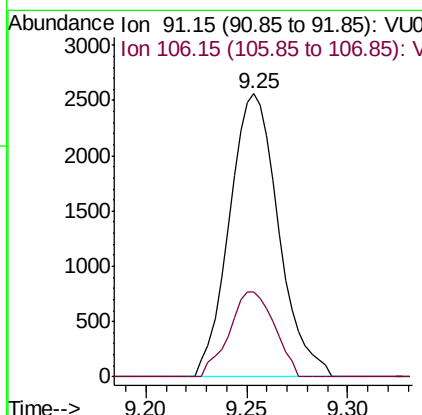
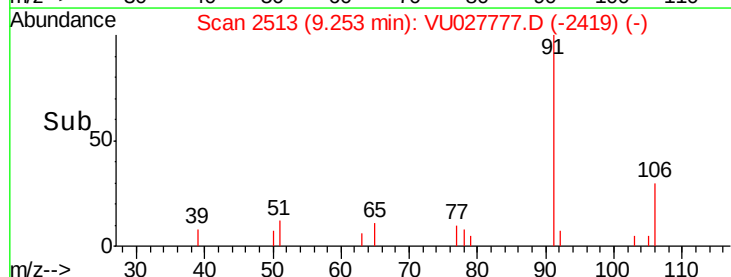
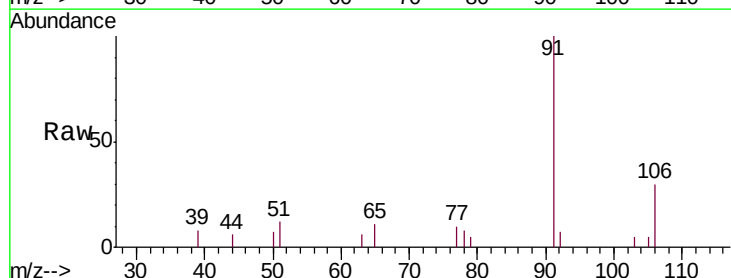
RT: 9.25 min Scan# 2513

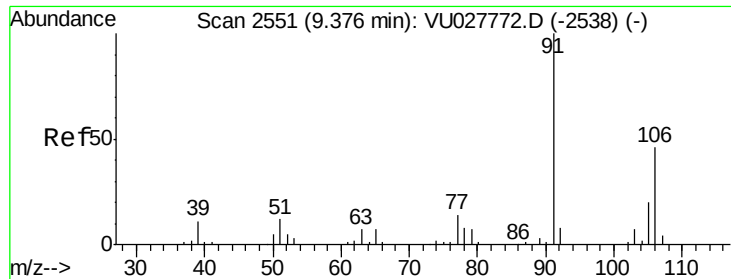
Delta R.T. 0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Tgt Ion:	91	Resp:	4372
Ion Ratio	Lower	Upper	
91	100		
106	29.9	20.6	38.4





#53

m,p-xylene

Concen: 0.240 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tgt Ion:106 Resp: 1390

Ion Ratio Lower Upper

106 100

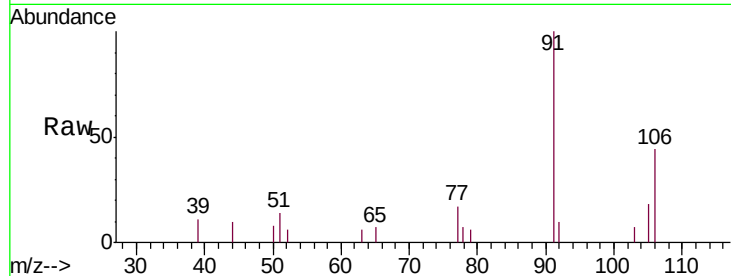
91 228.0 154.1 286.3

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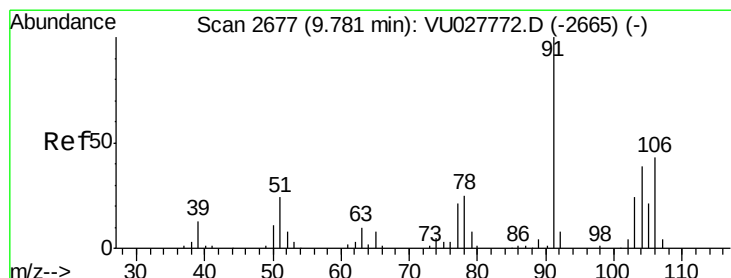
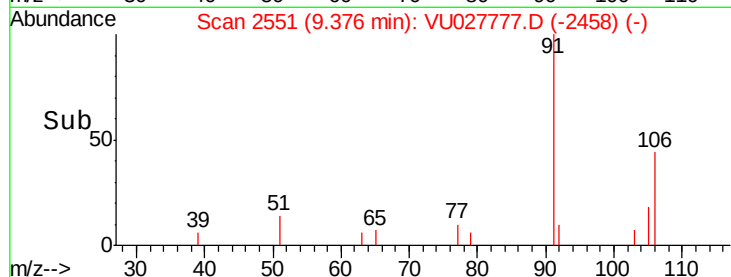
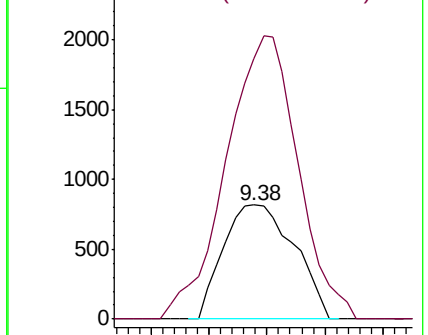
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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-xylene

Concen: 0.251 ug/L

RT: 9.78 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VU027777.D

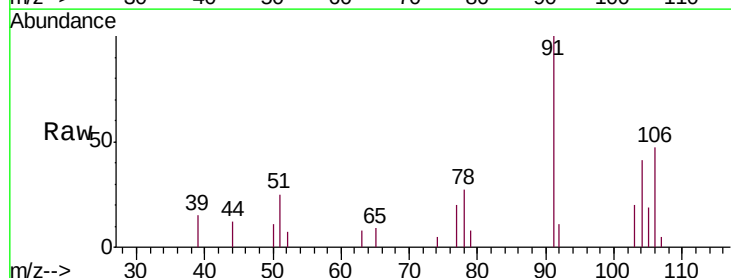
Acq: 24 Oct 2018 11:47

Tgt Ion:106 Resp: 1418

Ion Ratio Lower Upper

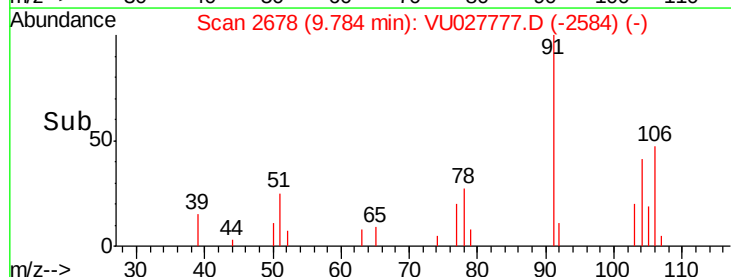
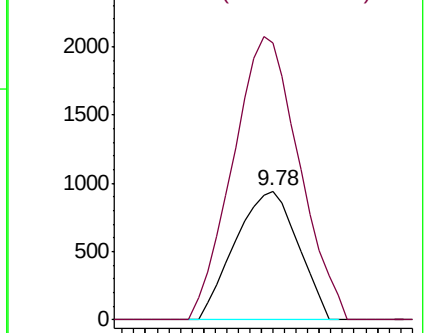
106 100

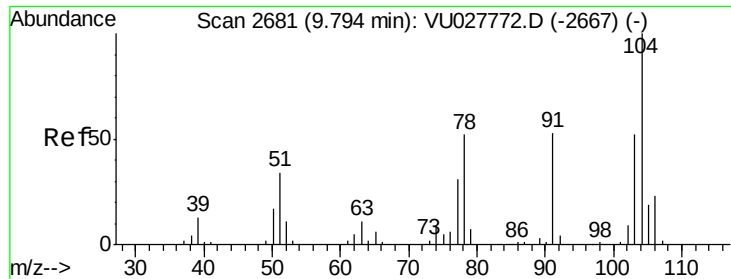
91 214.6 161.3 299.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





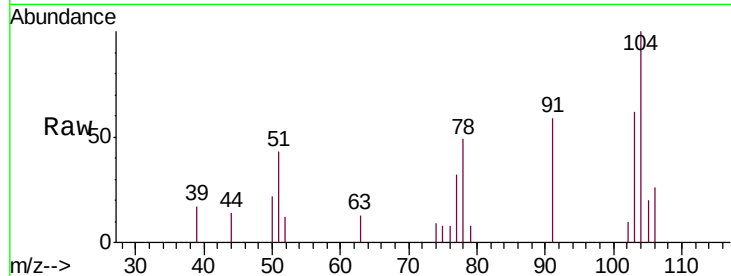
#55
Styrene
Concen: 0.247 ug/L
RT: 9.80 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

Instrument :
MSVOA_U
ClientSampled :
MDL01

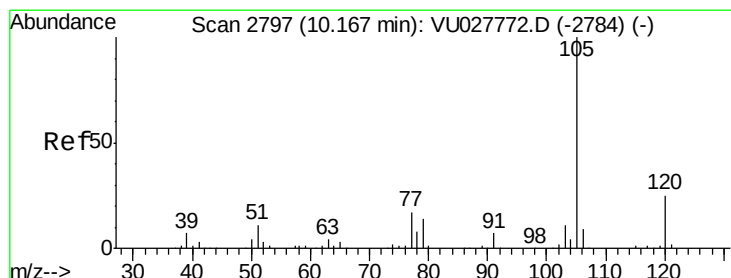
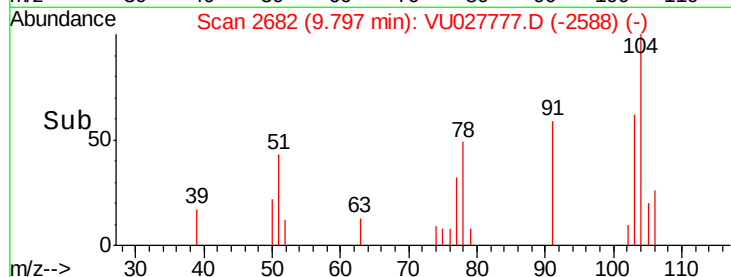
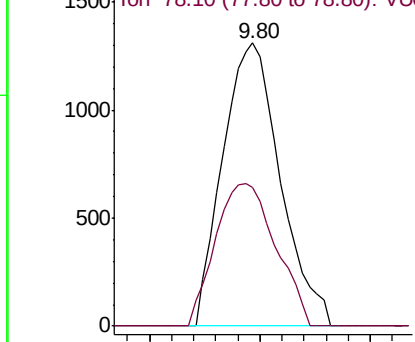
Tgt Ion:104 Resp: 2371
Ion Ratio Lower Upper
104 100
78 49.0 36.3 67.3

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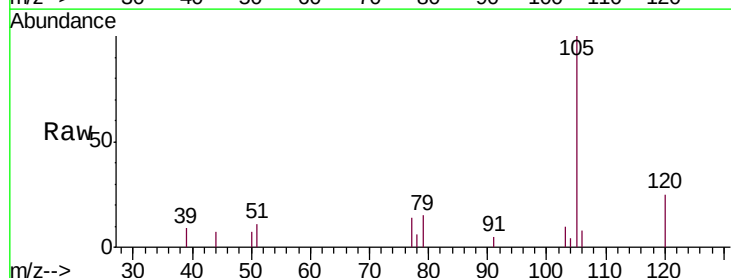


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0

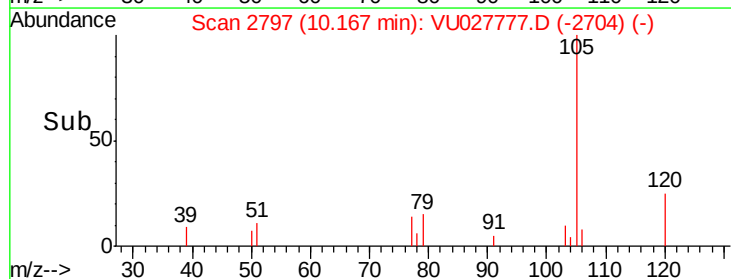
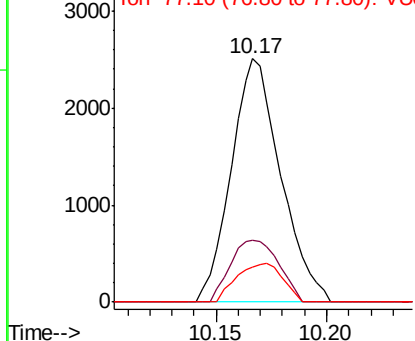


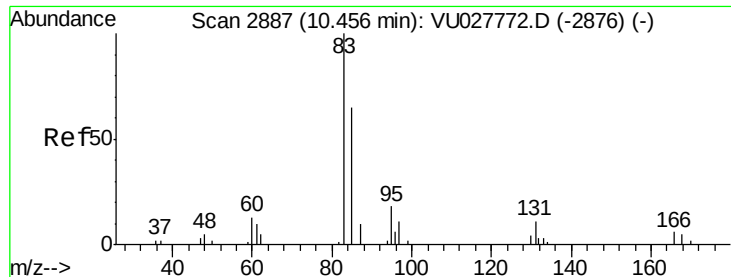
#56
Isopropylbenzene
Concen: 0.249 ug/L
RT: 10.17 min Scan# 2797
Delta R.T. -0.00 min
Lab File: VU027777.D
Acq: 24 Oct 2018 11:47

Tgt Ion:105 Resp: 3909
Ion Ratio Lower Upper
105 100
120 24.8 19.9 29.9
77 14.9 13.7 20.5



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): VU0





#58

1,1,2,2-Tetrachloroethane

Concen: 0.287 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Instrument :

MSVOA_U

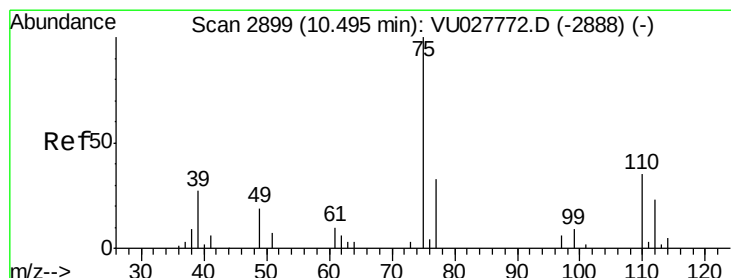
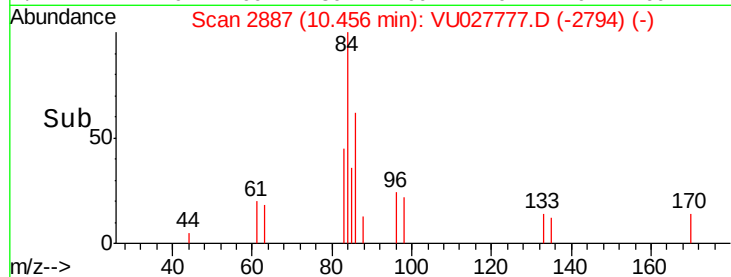
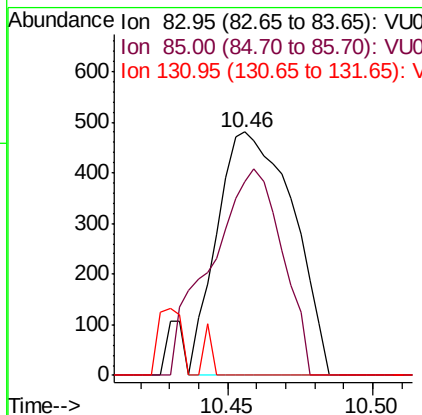
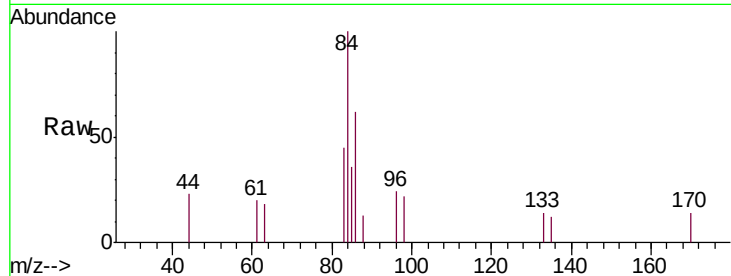
ClientSampled :

MDL01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	79.4	45.5	84.5
131	0.0	8.8	13.2#

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#59

1,2,3-Trichloropropane

Concen: 0.211 ug/L m

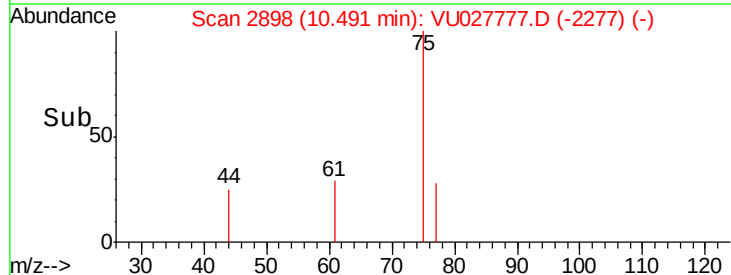
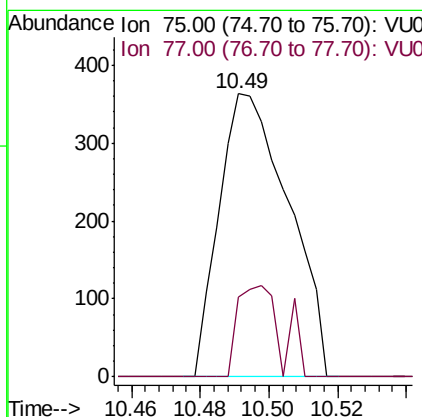
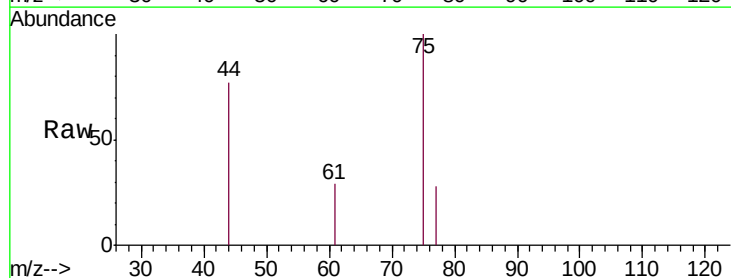
RT: 10.49 min Scan# 2898

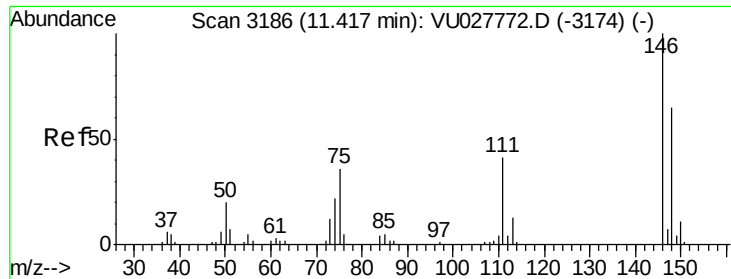
Delta R.T. -0.00 min

Lab File: VU027777.D

Acq: 24 Oct 2018 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	204.5	26.4	39.6#





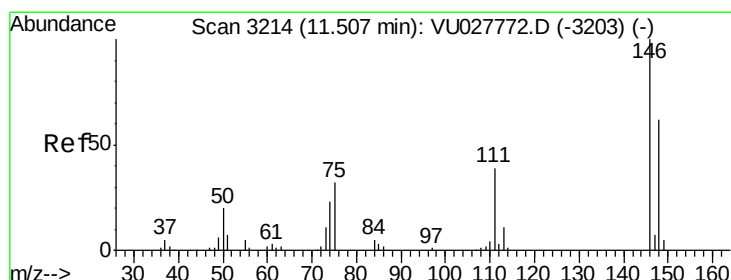
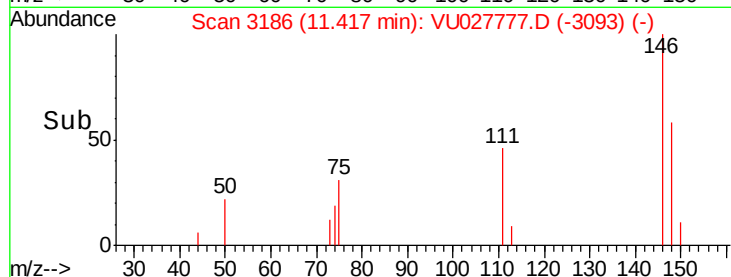
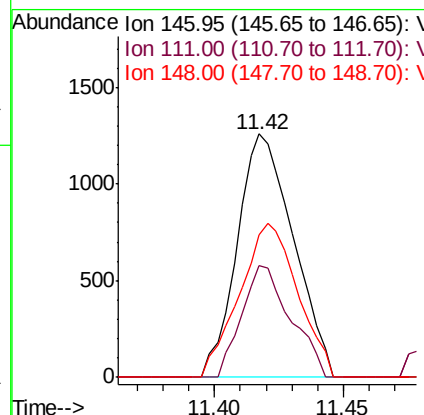
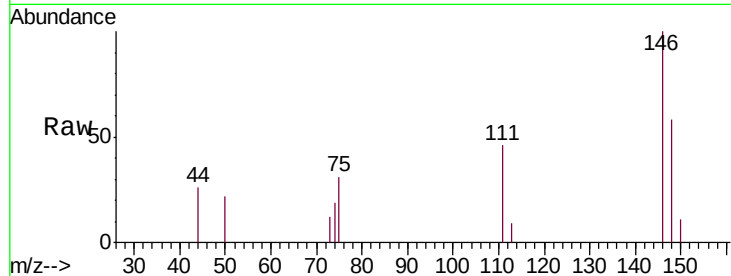
#62
 1,3-Dichlorobenzene
 Concen: 0.289 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027777.D
 Acq: 24 Oct 2018 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.8	28.6	53.0
148	58.4	45.1	83.9

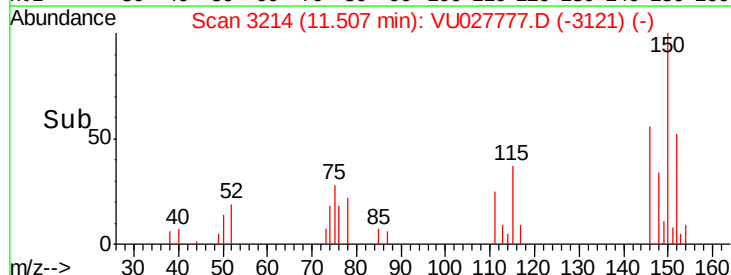
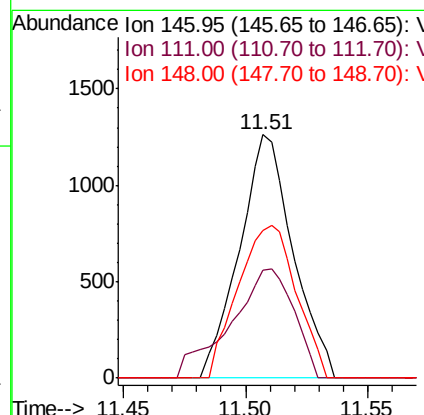
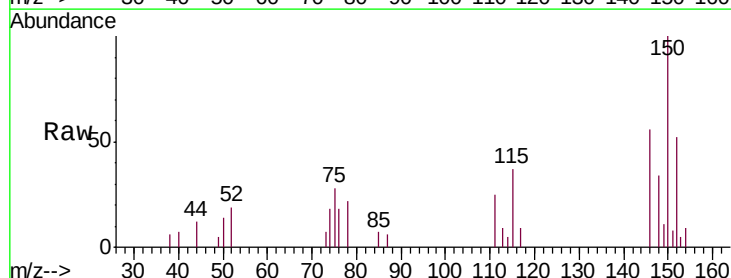
Manual Integrations
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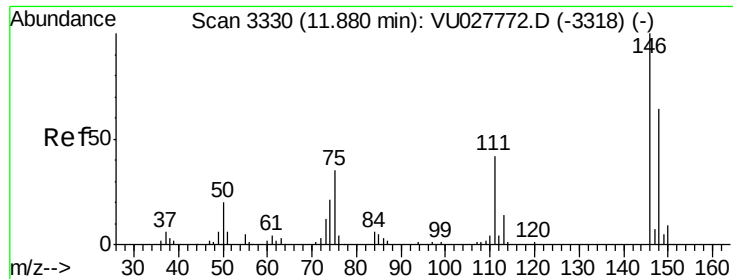
MMDadoda
 10/26/2018 11:26:19 AM



#63
 1,4-Dichlorobenzene
 Concen: 0.289 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027777.D
 Acq: 24 Oct 2018 11:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	27.6	51.4
148	60.4	43.3	80.3





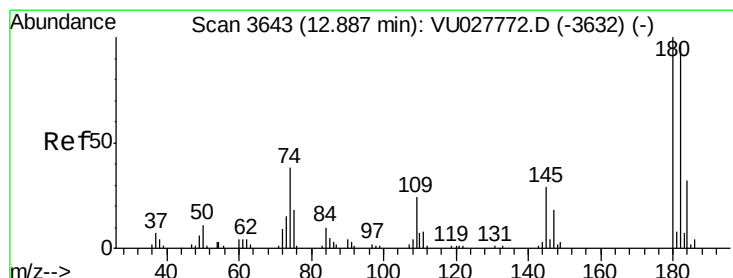
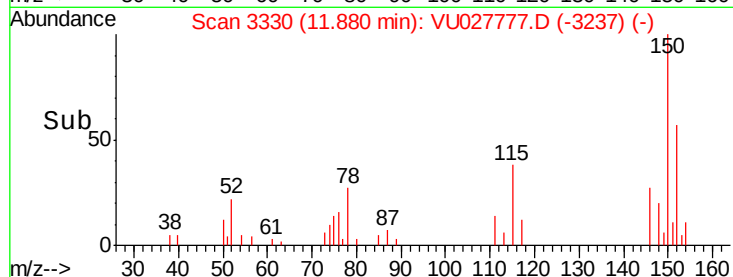
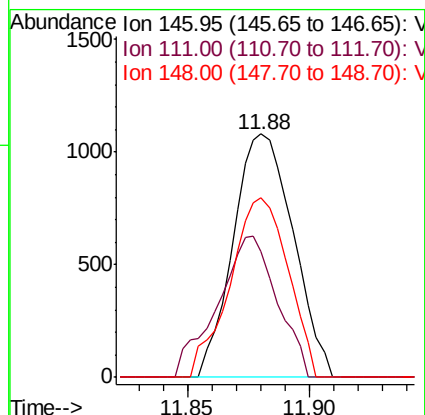
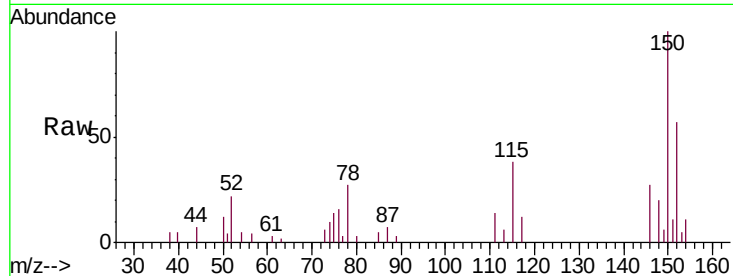
#65
 1,2-Dichlorobenzene
 Concen: 0.298 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027777.D
 Acq: 24 Oct 2018 11:47

Instrument :
 MSVOA_U
 ClientSampled :
 MDL01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.9	33.7	50.5#
148	74.0	50.8	76.2

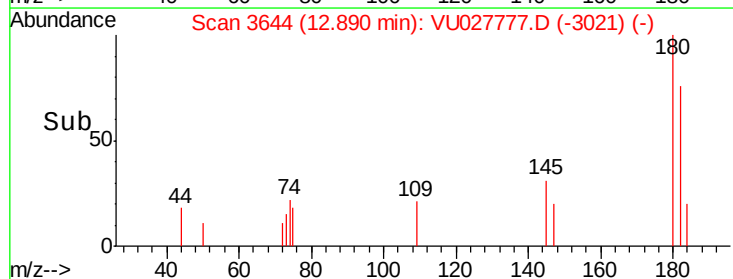
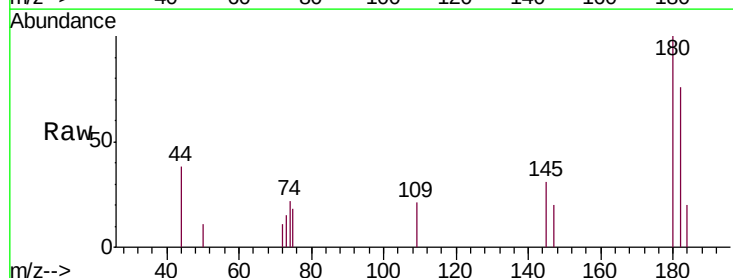
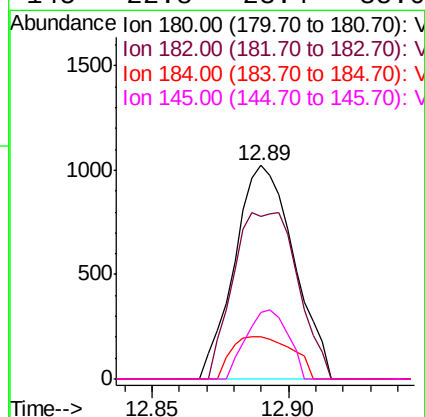
Manual Integrations
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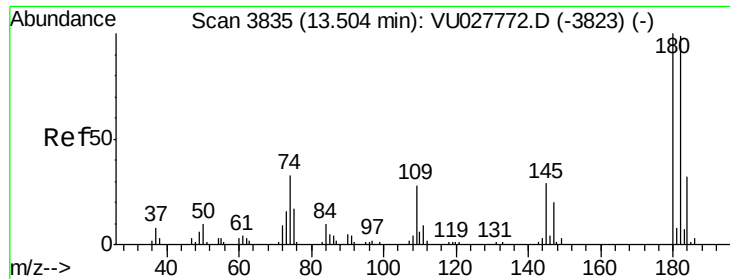
MMDadoda
 10/26/2018 11:26:19 AM



#67
 1,3,5-Trichlorobenzene
 Concen: 0.292 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU027777.D
 Acq: 24 Oct 2018 11:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	84.8	78.9	118.3
184	20.3	24.6	37.0#
145	22.8	23.4	35.0#





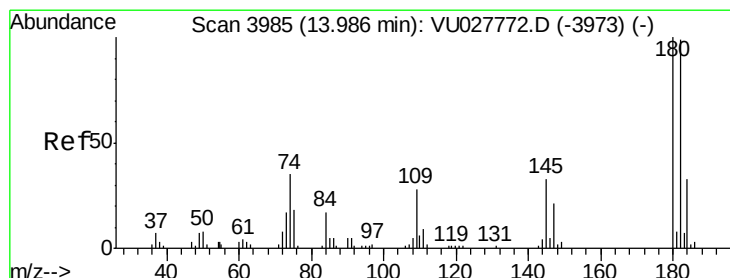
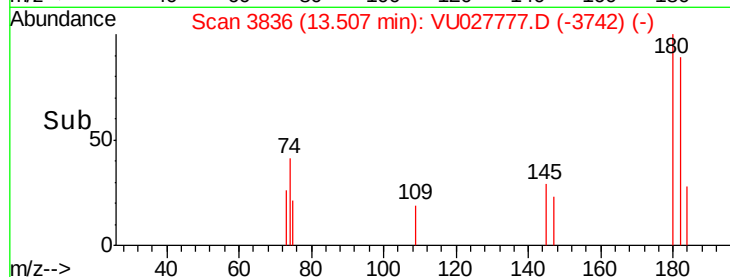
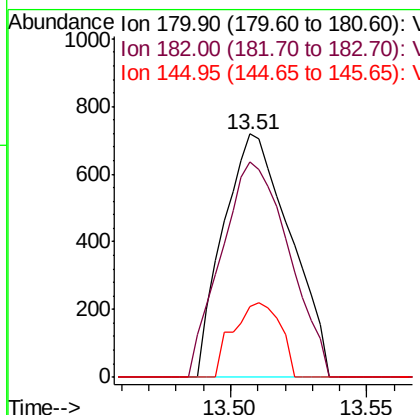
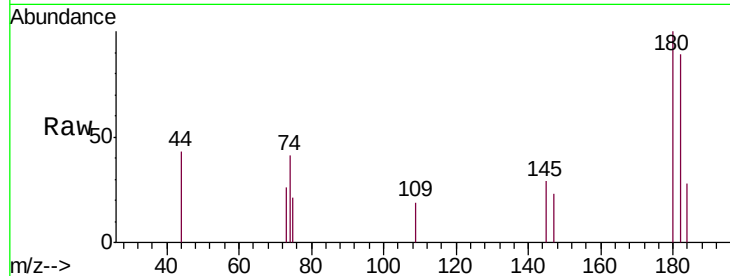
#68
 1,2,4-trichlorobenzene
 Concen: 0.267 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027777.D
 Acq: 24 Oct 2018 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.5	77.6	116.4
145	21.4	23.7	35.5#

Manual Integrations
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 10/26/2018 11:26:19 AM



#70
 1,2,3-Trichlorobenzene
 Concen: 0.293 ug/L
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU027777.D
 Acq: 24 Oct 2018 11:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	86.4	76.9	115.3
145	19.6	24.6	37.0#

