

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

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMDadoda
10/26/2018 11:26:38 AM

Quant Time: Oct 25 06:36:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 25 04:31:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	41496	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	39292	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	19703	5.00	ug/L	0.00

System Monitoring Compounds

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

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	1125	0.280 ug/L #	79
3) Chloromethane	1.33	50	1290	0.285 ug/L	95
5) Vinyl chloride	1.40	62	1067	0.245 ug/L #	61
6) Bromomethane	1.63	94	606	0.272 ug/L	81
8) Chloroethane	1.70	64	564	0.240 ug/L #	83
9) Trichlorofluoromethane	1.89	101	1463	0.254 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	894	0.308 ug/L	88
12) 1,1-Dichloroethene	2.29	96	847	0.313 ug/L #	1
13) Acetone	2.36	43	1875	2.529 ug/L	99
14) Carbon disulfide	2.48	76	2459	0.265 ug/L	99
16) Methylene chloride	2.70	84	1291	0.405 ug/L	90
17) Methyl tert-butyl Ether	3.01	73	2194	0.253 ug/L #	77
18) trans-1,2-Dichloroethene	2.99	96	774	0.267 ug/L	92
19) 1,1-Dichloroethane	3.45	63	1711	0.267 ug/L #	86
21) 2-Butanone	4.31	43	3558	2.925 ug/L	85
22) cis-1,2-Dichloroethene	4.23	96	780	0.227 ug/L	86
25) Chloroform	4.67	83	1792	0.278 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.42	62	1245	0.261	ug/L #	79
29) 1,1,1-Trichloroethane	4.91	97	1340	0.237	ug/L	90
30) Cyclohexane	4.99	56	1550	0.245	ug/L	98
31) Carbon tetrachloride	5.13	117	1249	0.258	ug/L	98
33) Benzene	5.39	78	3602	0.276	ug/L	100
34) Trichloroethene	6.19	95	902	0.267	ug/L	91
35) Methylcyclohexane	6.42	83	1562	0.276	ug/L #	92
38) Bromodichloromethane	6.76	83	1201	0.262	ug/L #	95
39) cis-1,3-Dichloropropene	7.28	75	1440	0.262	ug/L	97
40) 4-Methyl-2-pentanone	7.47	43	7781	2.715	ug/L #	87
42) Toluene	7.64	91	3837	0.273	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	1272	0.275	ug/L	88
45) 1,1,2-Trichloroethane	8.07	97	483	0.209	ug/L	93
47) Tetrachloroethene	8.22	164	702	0.255	ug/L	93
48) 2-Hexanone	8.37	43	6016	2.954	ug/L	96
49) Dibromochloromethane	8.48	129	625	0.212	ug/L	96
50) 1,2-Dibromoethane	8.59	107	514	0.229	ug/L #	86
51) Chlorobenzene	9.12	112	2485	0.287	ug/L	98
52) Ethylbenzene	9.25	91	4094	0.251	ug/L	92
53) m,p-xylene	9.37	106	1516	0.263	ug/L	95
54) o-xylene	9.78	106	1380	0.245	ug/L	91
55) Styrene	9.80	104	2439	0.255	ug/L	94
56) Isopropylbenzene	10.17	105	4042	0.259	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.46	83	721	0.237	ug/L #	80
59) 1,2,3-Trichloropropane	10.50	75	551m	0.228	ug/L	
62) 1,3-Dichlorobenzene	11.42	146	1726	0.249	ug/L	92
63) 1,4-Dichlorobenzene	11.51	146	1912	0.273	ug/L	91
65) 1,2-Dichlorobenzene	11.88	146	1688	0.259	ug/L #	85
67) 1,3,5-Trichlorobenzene	12.89	180	1495	0.269	ug/L #	95
68) 1,2,4-trichlorobenzene	13.51	180	1323	0.274	ug/L #	84
70) 1,2,3-Trichlorobenzene	13.99	180	1023	0.230	ug/L #	90

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

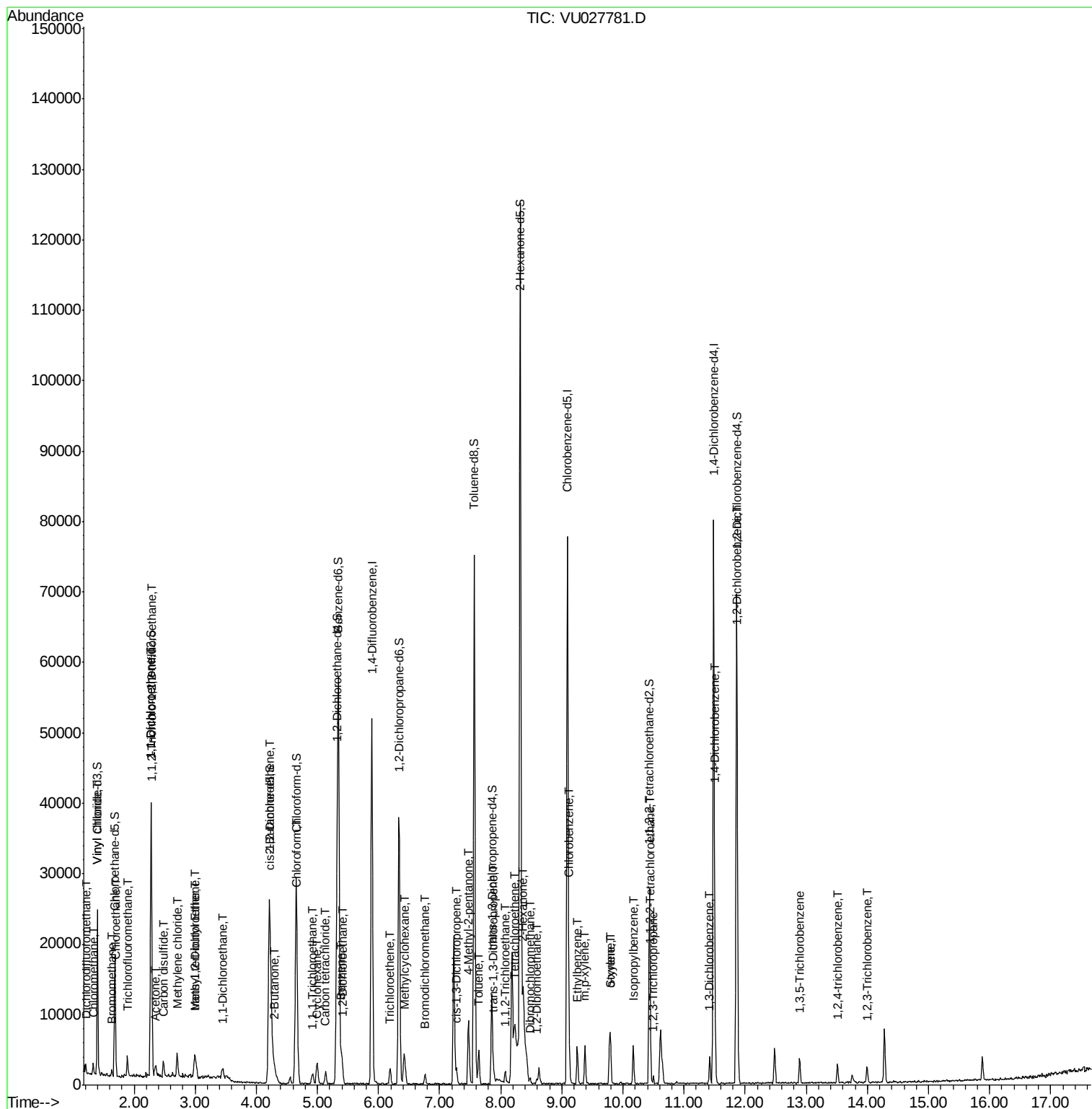
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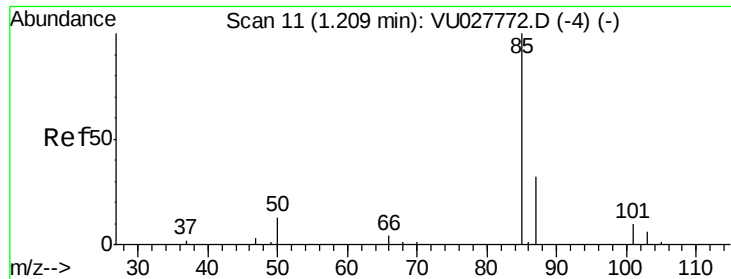
Instrument :
MSVOA_U
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#2

Dichlorodifluoromethane

Concen: 0.280 ug/L

RT: 1.21 min Scan# 11

Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tgt Ion: 85 Resp: 1125

Ion Ratio Lower Upper

85 100

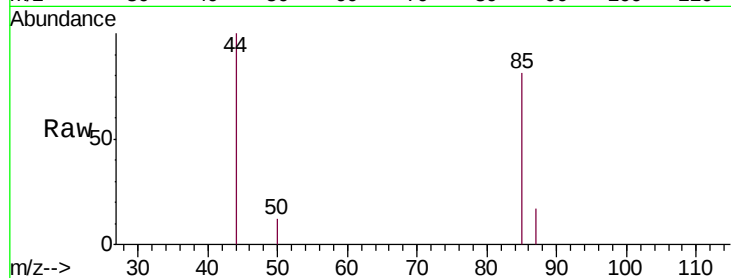
87 19.8 25.4 38.0#

Manual Integrations

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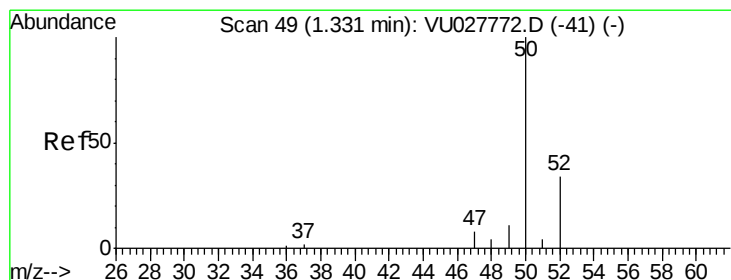
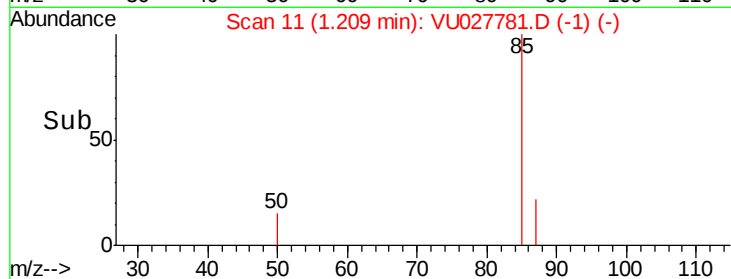
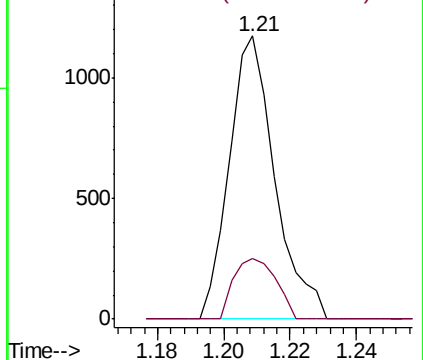
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Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.285 ug/L

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027781.D

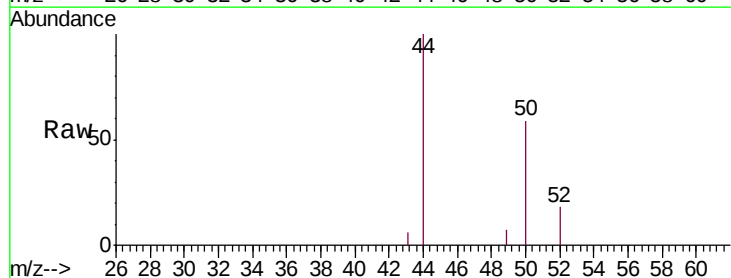
Acq: 24 Oct 2018 13:23

Tgt Ion: 50 Resp: 1290

Ion Ratio Lower Upper

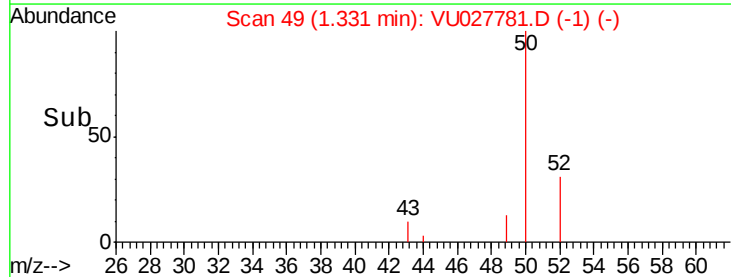
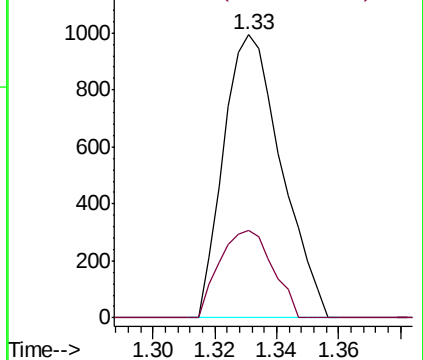
50 100

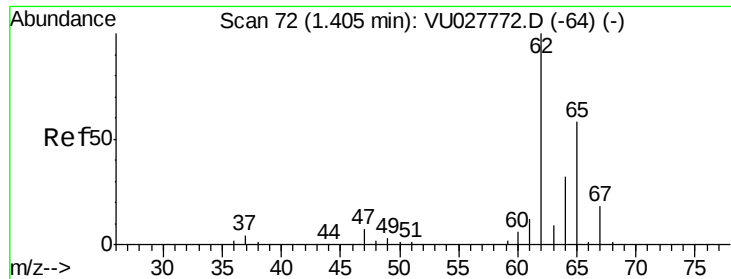
52 31.1 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.245 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

ClientSampled :

MDL05

Tgt Ion: 62 Resp: 1067

Ion Ratio Lower Upper

62 100

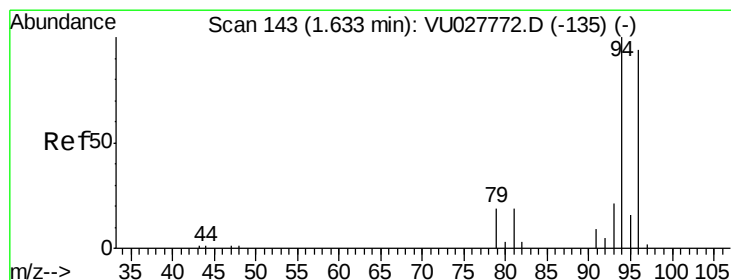
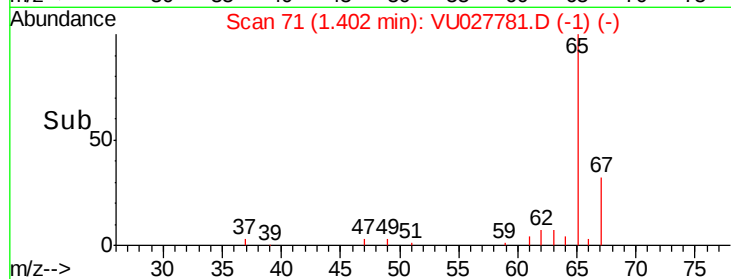
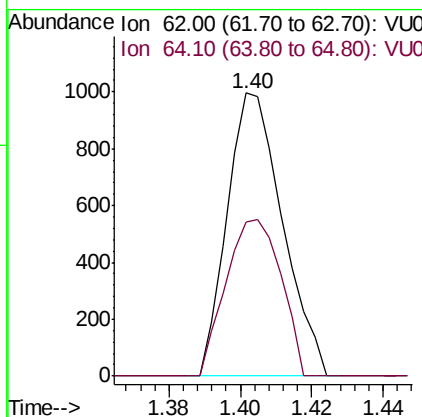
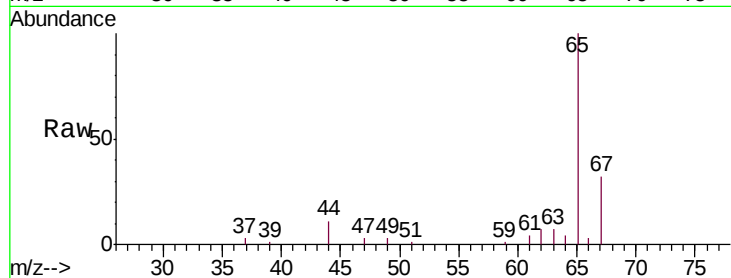
64 54.3 22.7 42.1#

Manual Integrations

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#6

Bromomethane

Concen: 0.272 ug/L

RT: 1.63 min Scan# 143

Delta R.T. -0.00 min

Lab File: VU027781.D

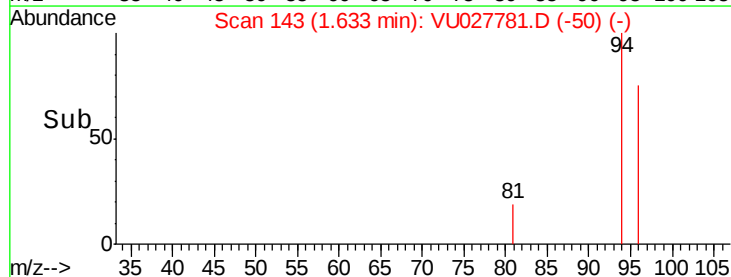
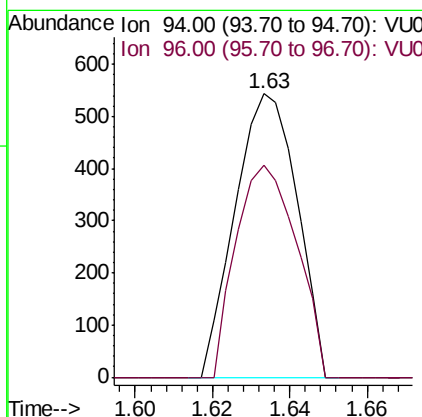
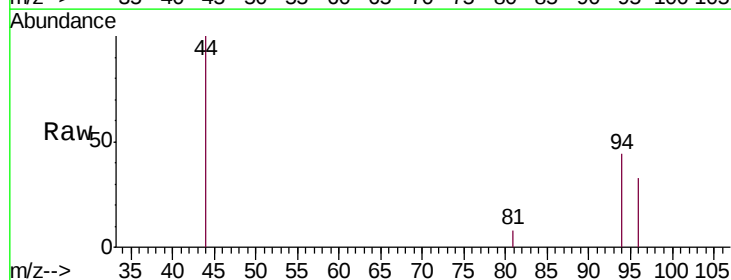
Acq: 24 Oct 2018 13:23

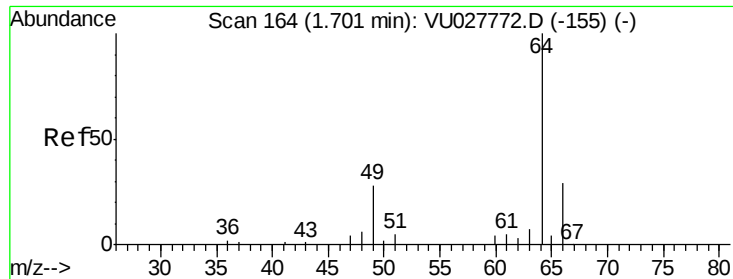
Tgt Ion: 94 Resp: 606

Ion Ratio Lower Upper

94 100

96 75.0 65.5 121.7





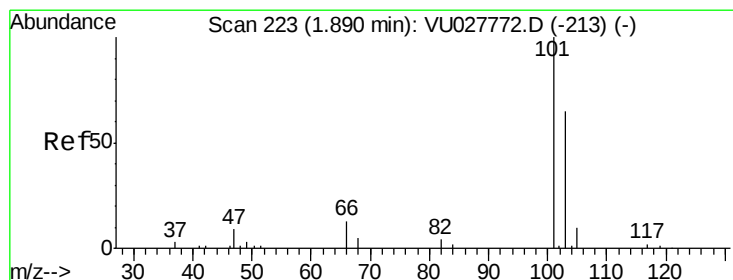
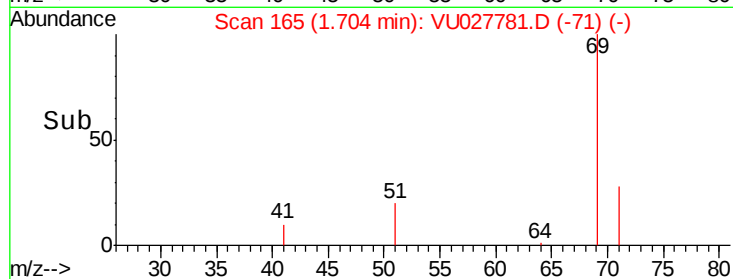
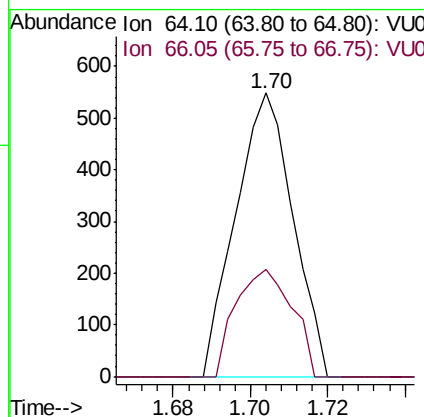
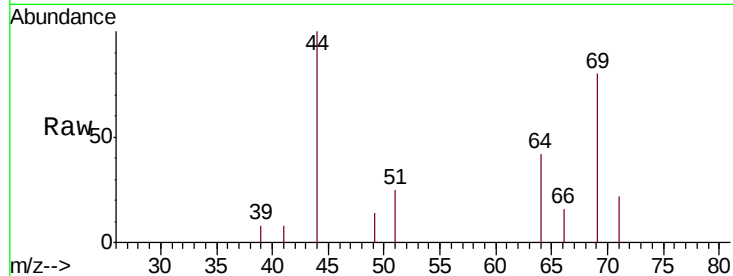
#8
Chloroethane
Concen: 0.240 ug/L
RT: 1.70 min Scan# 165
Delta R.T. 0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

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MSVOA_U
ClientSampleId :
MDL05

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

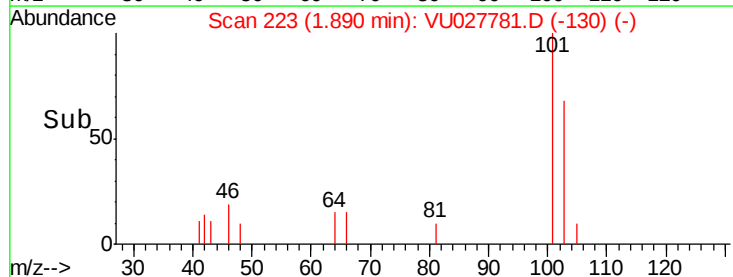
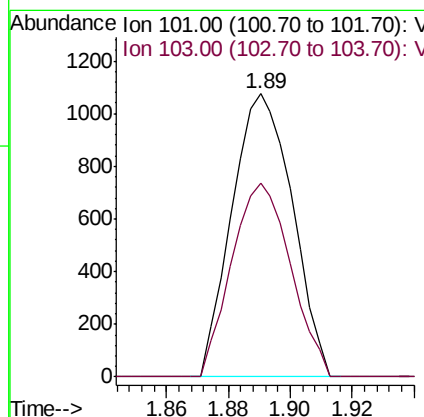
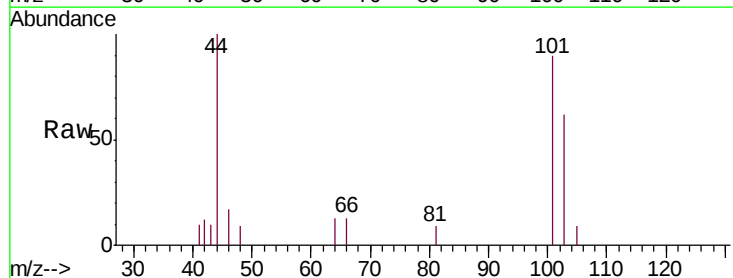
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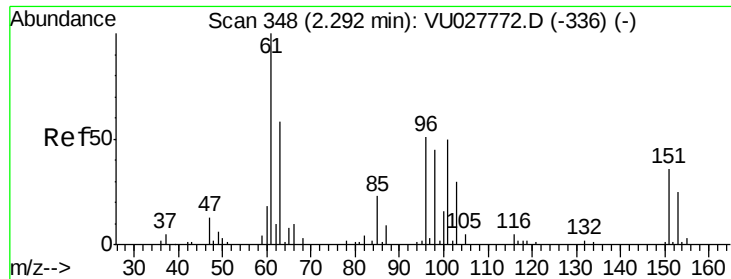
MMDadoda
10/26/2018 11:26:38 AM



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

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





#10

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

Concen: 0.308 ug/L

RT: 2.29 min Scan# 348

Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

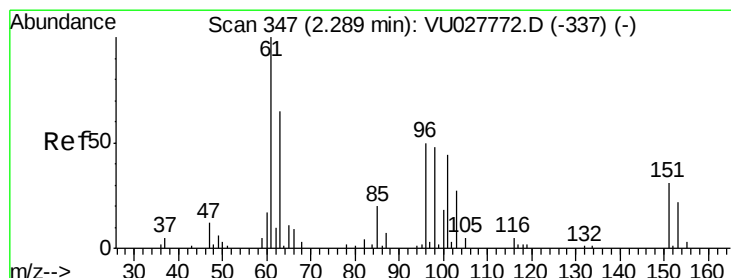
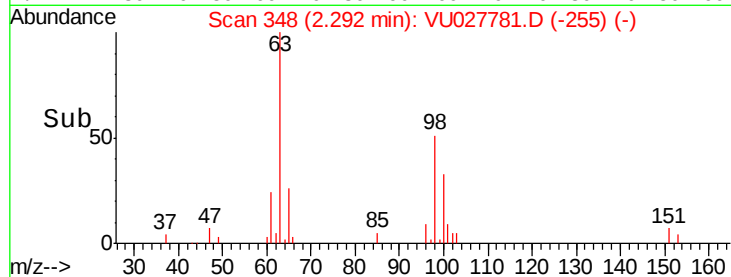
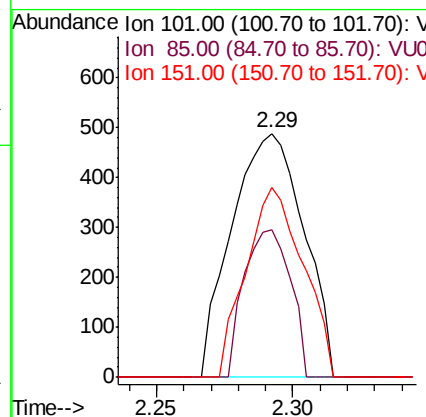
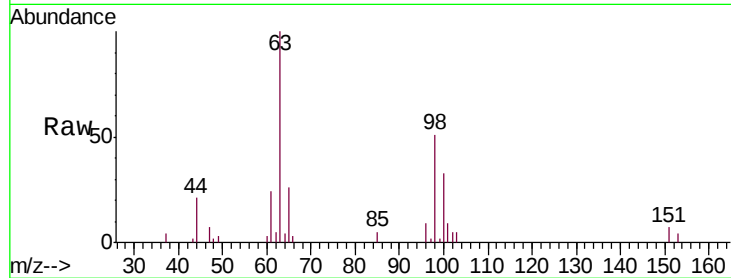
ClientSampleId :

MDL05

Tgt Ion:	101	Resp:	894
Ion Ratio	Lower	Upper	
101	100		
85	38.9	38.1	57.1
151	61.6	57.0	85.4

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#12

1,1-Dichloroethene

Concen: 0.313 ug/L

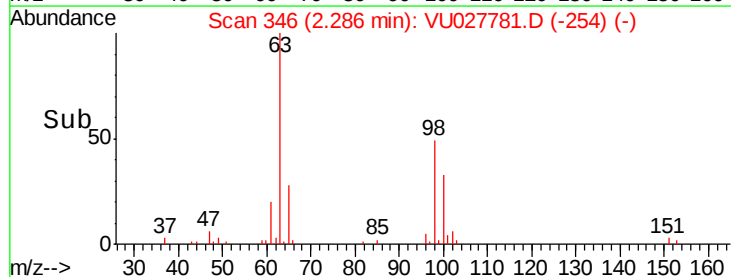
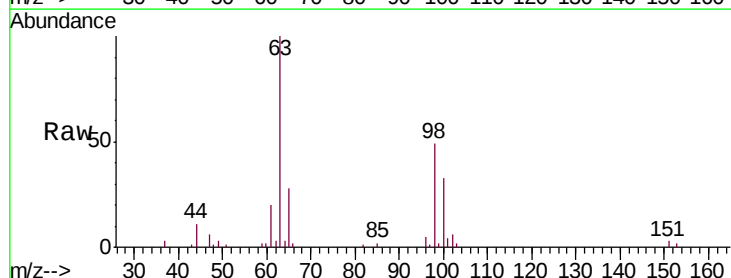
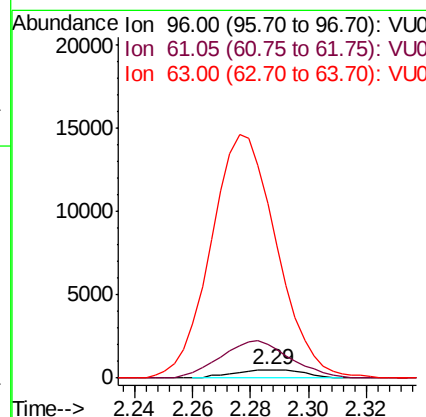
RT: 2.29 min Scan# 346

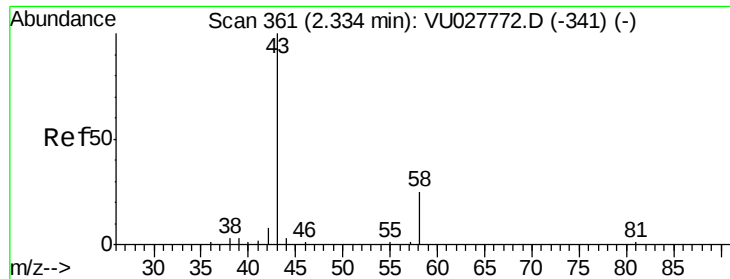
Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Tgt Ion:	96	Resp:	847
Ion Ratio	Lower	Upper	
96	100		
61	408.5	143.8	267.0#
63	2071.2	105.1	195.3#





#13

Acetone

Concen: 2.529 ug/L

RT: 2.36 min Scan# 369

Delta R.T. 0.03 min

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Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tgt Ion: 43 Resp: 1875

Ion Ratio Lower Upper

43 100

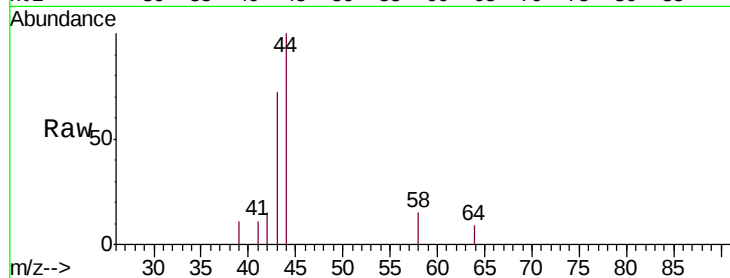
58 25.8 0.0 52.8

Manual Integrations

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Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.36

800

600

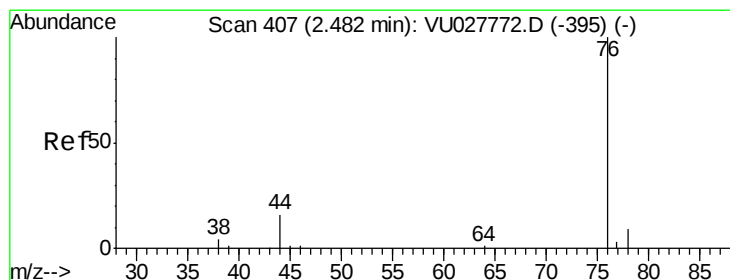
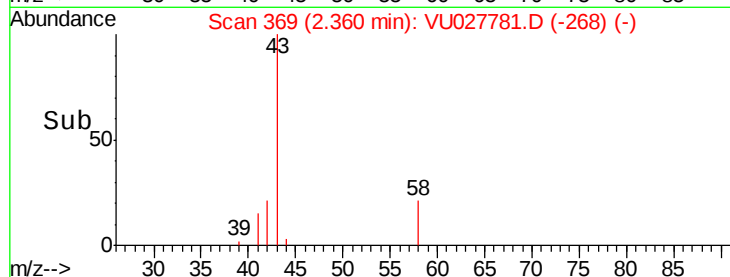
400

200

0

2.30 2.35 2.40

Time-->



#14

Carbon disulfide

Concen: 0.265 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027781.D

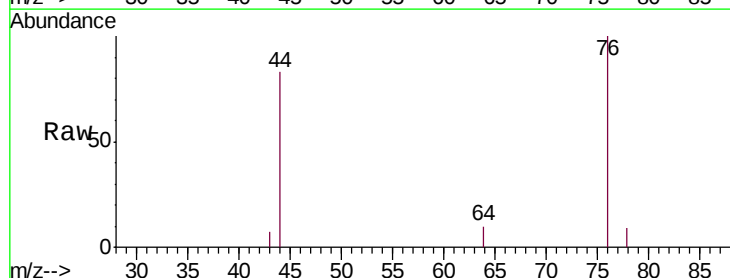
Acq: 24 Oct 2018 13:23

Tgt Ion: 76 Resp: 2459

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

1500

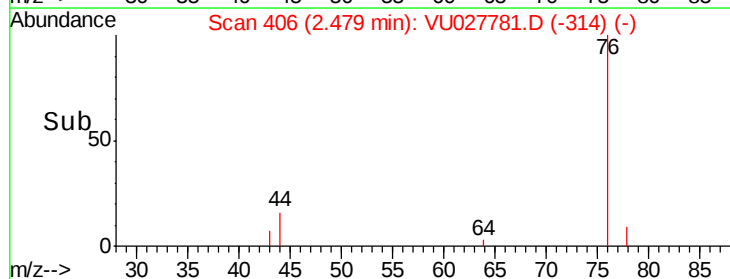
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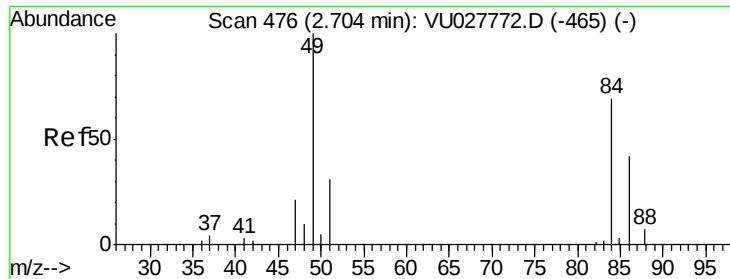
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0

2.45 2.50

Time-->





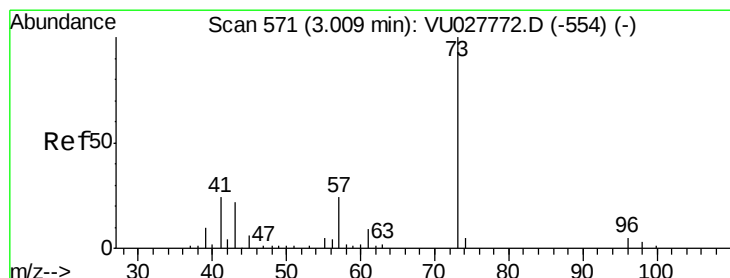
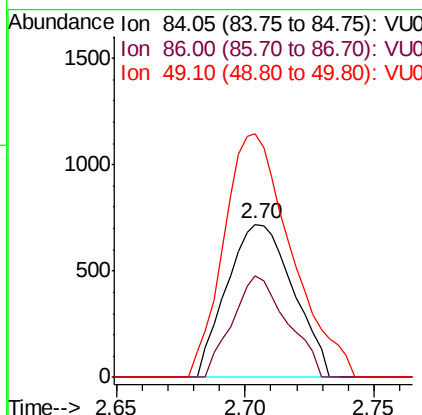
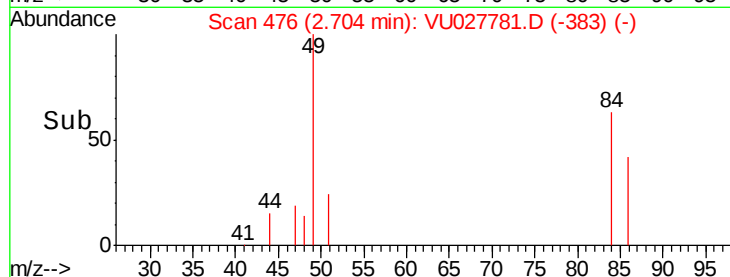
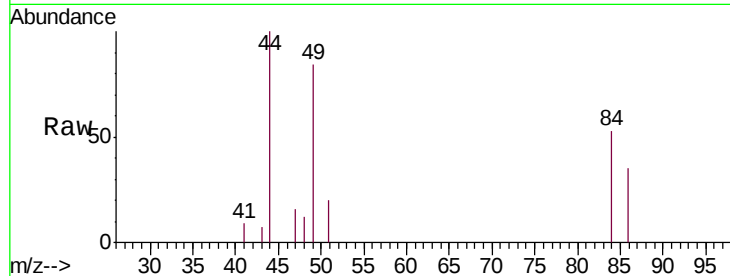
#16
Methylene chloride
Concen: 0.405 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

Instrument :
MSVOA_U
ClientSampled :
MDL05

Tgt Ion: 84 Resp: 1291
Ion Ratio Lower Upper
84 100
86 66.7 42.8 79.4
49 159.0 101.4 188.4

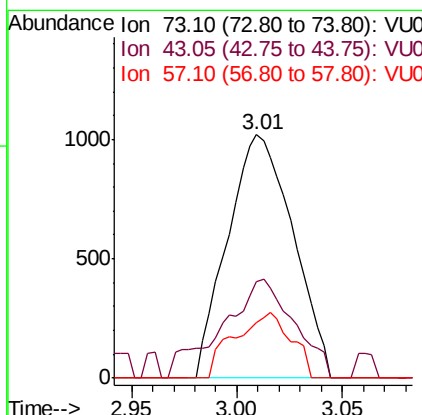
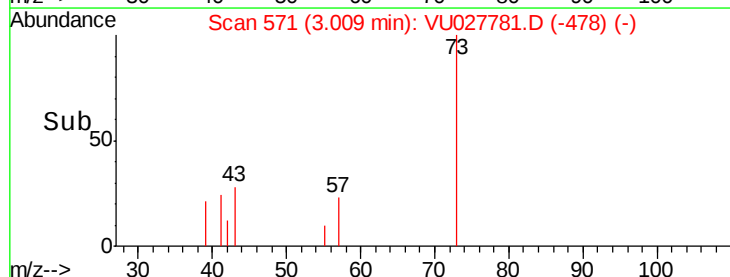
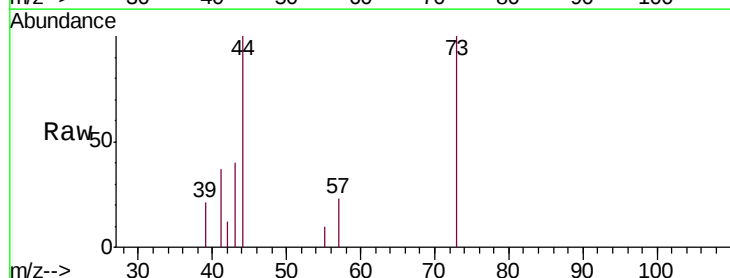
Manual Integrations
APPROVED

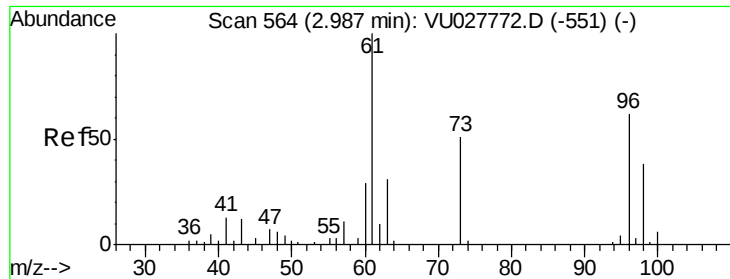
MMDadoda
10/26/2018 11:26:38 AM



#17
Methyl tert-butyl Ether
Concen: 0.253 ug/L
RT: 3.01 min Scan# 571
Delta R.T. -0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

Tgt Ion: 73 Resp: 2194
Ion Ratio Lower Upper
73 100
43 44.8 18.6 28.0#
57 23.2 18.2 27.2





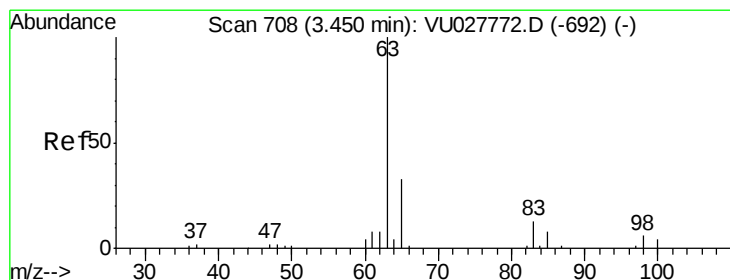
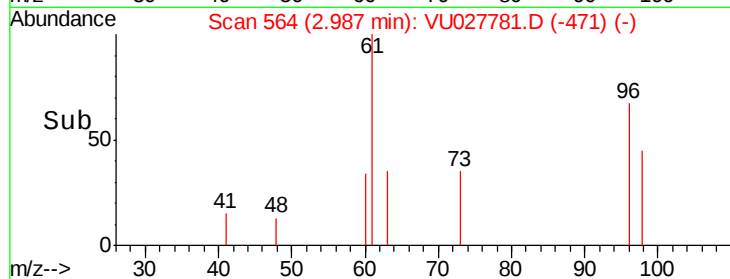
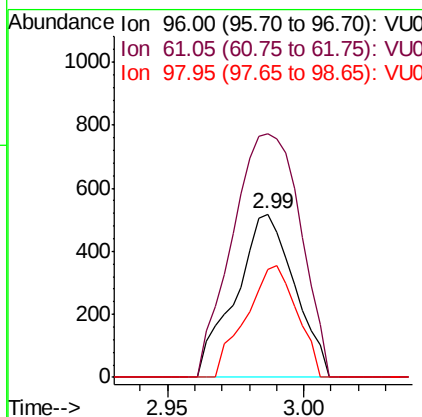
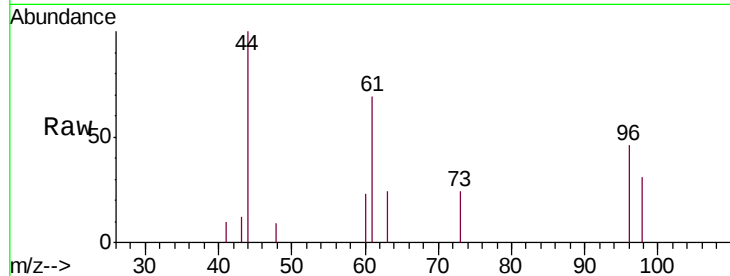
#18
trans-1,2-Dichloroethene
Concen: 0.267 ug/L
RT: 2.99 min Scan# 564
Delta R.T. -0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion: 96 Resp: 774
Ion Ratio Lower Upper
96 100
61 149.0 112.1 208.3
98 66.4 42.1 78.3

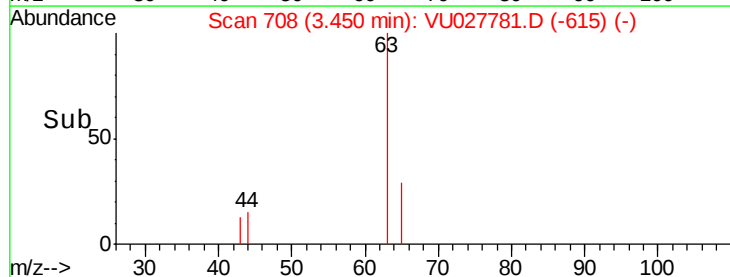
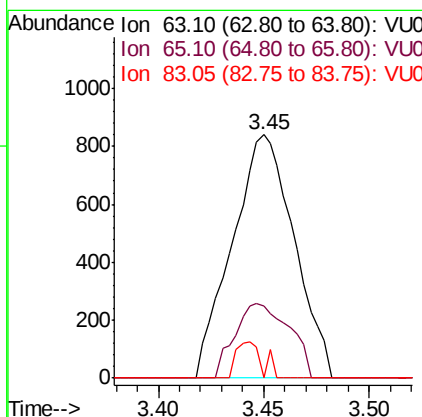
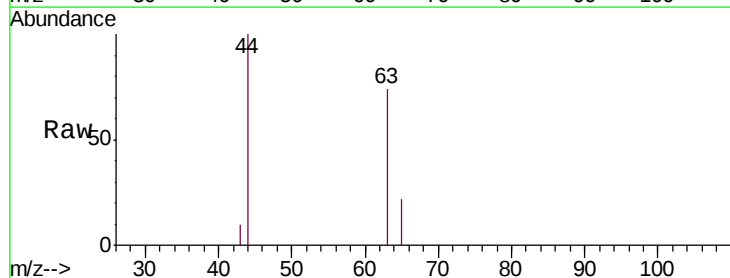
Manual Integrations
APPROVED

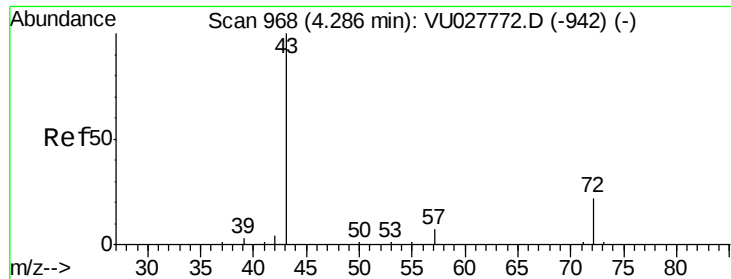
MMDadoda
10/26/2018 11:26:38 AM



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

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





#21

2-Butanone

Concen: 2.925 ug/L

RT: 4.31 min Scan# 974

Delta R.T. 0.02 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

ClientSampled :

MDL05

Tgt Ion: 43 Resp: 3558

Ion Ratio Lower Upper

43 100

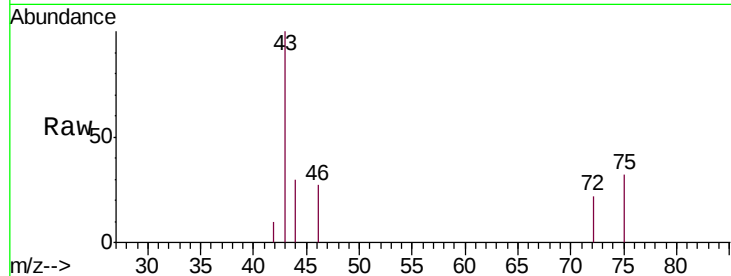
72 14.1 10.5 31.6

Manual Integrations

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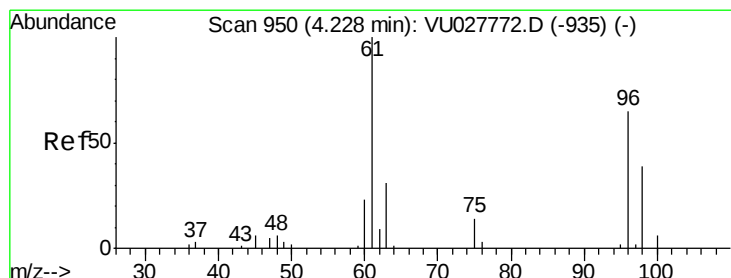
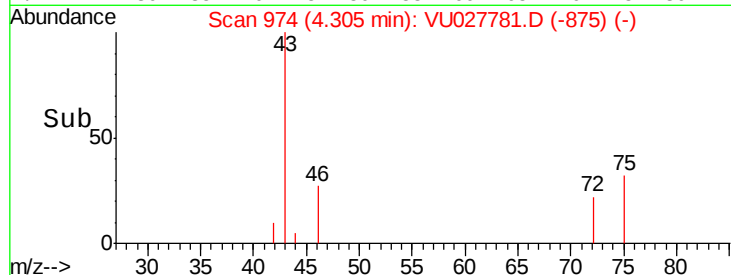
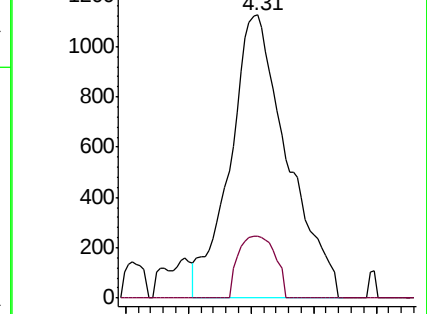
MMDadoda

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Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0



#22

cis-1,2-Dichloroethene

Concen: 0.227 ug/L

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

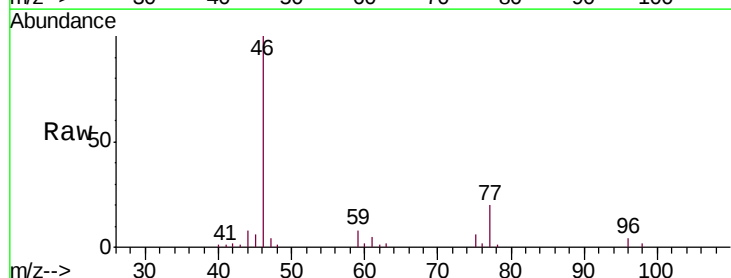
Tgt Ion: 96 Resp: 780

Ion Ratio Lower Upper

96 100

61 134.5 107.2 199.0

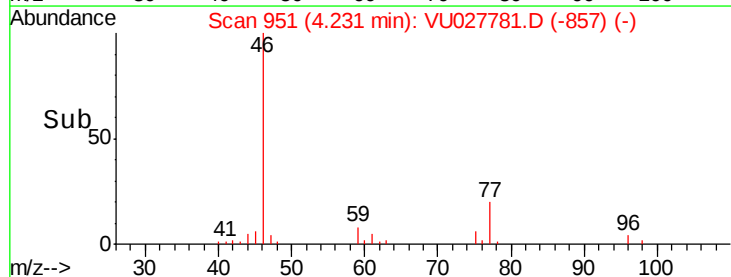
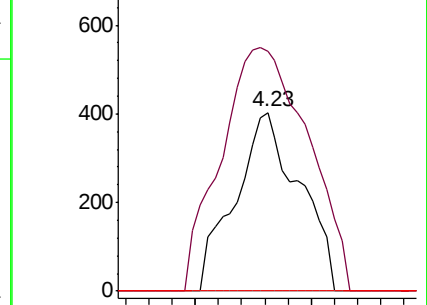
68 0.0 0.0 0.0

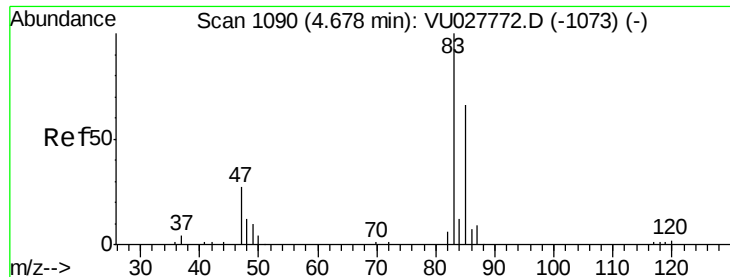


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0





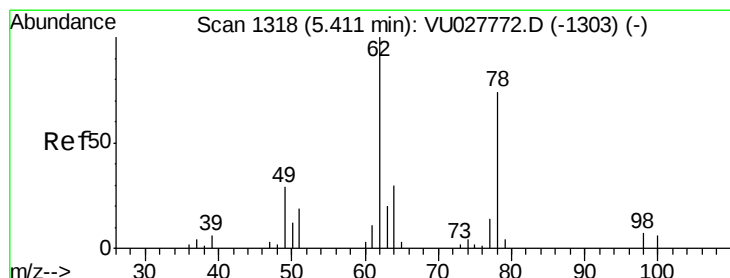
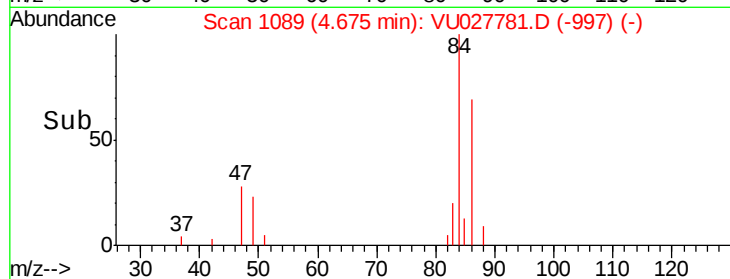
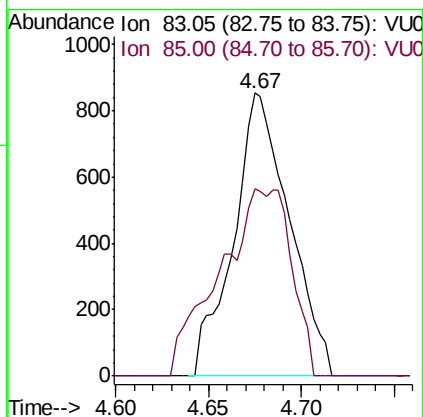
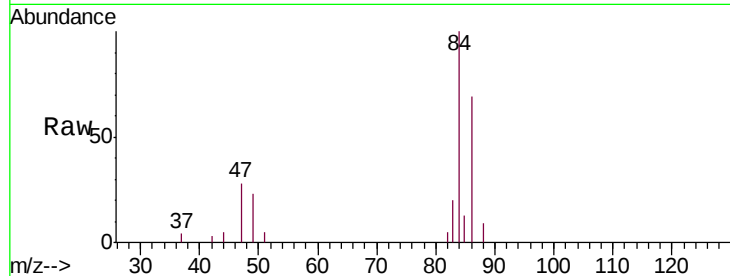
#25
Chloroform
Concen: 0.278 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
MDL05

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

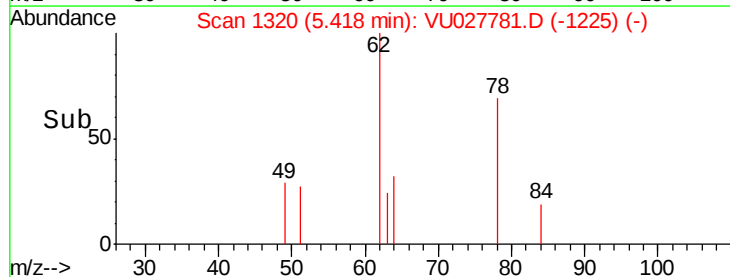
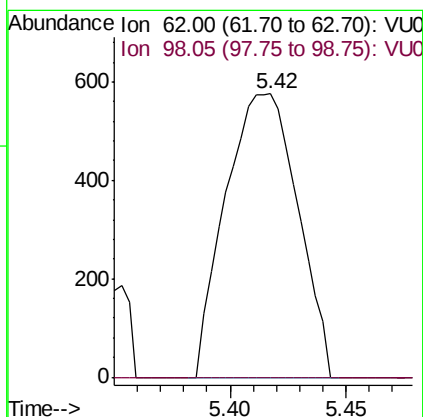
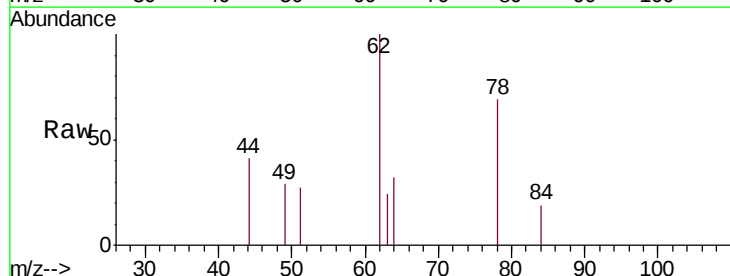
Manual Integrations
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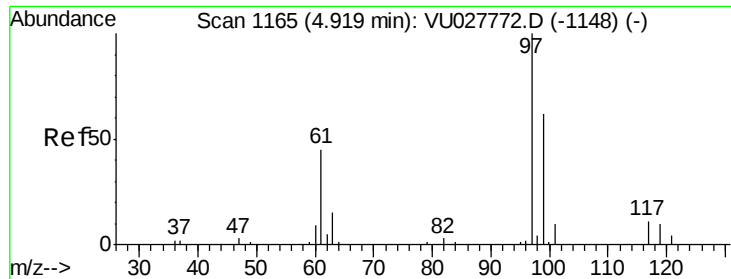
MMDadoda
10/26/2018 11:26:38 AM



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

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





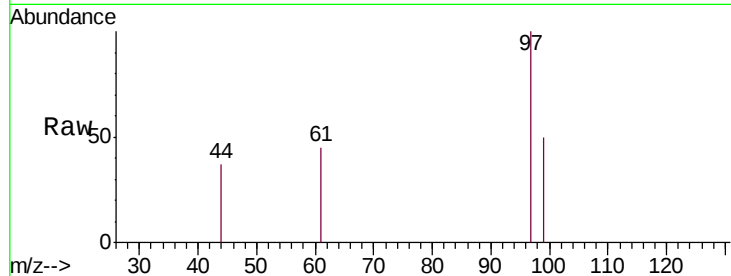
#29
 1,1,1-Trichloroethane
 Concen: 0.237 ug/L
 RT: 4.91 min Scan# 1163
 Delta R.T. -0.01 min
 Lab File: VU027781.D
 Acq: 24 Oct 2018 13:23

Instrument :
 MSVOA_U
 ClientSampled :
 MDL05

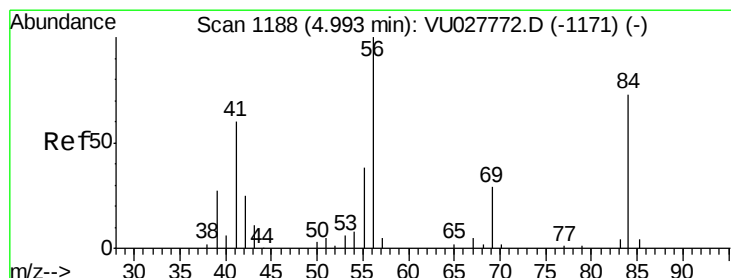
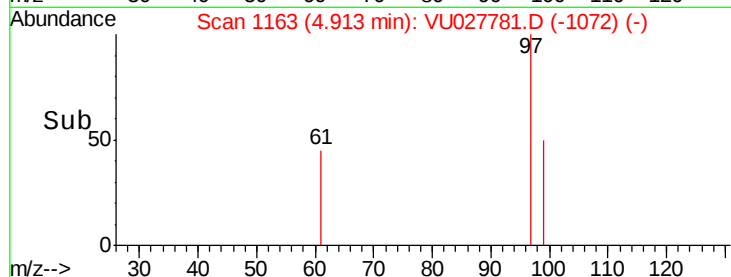
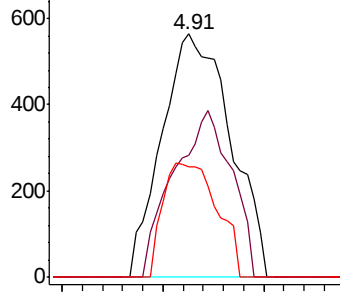
Tgt Ion	Ratio	Lower	Upper
97	100		
99	57.9	51.3	76.9
61	37.3	36.7	55.1

Manual Integrations
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MMDadoda
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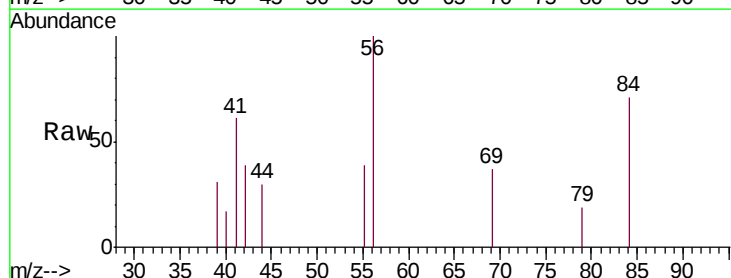


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

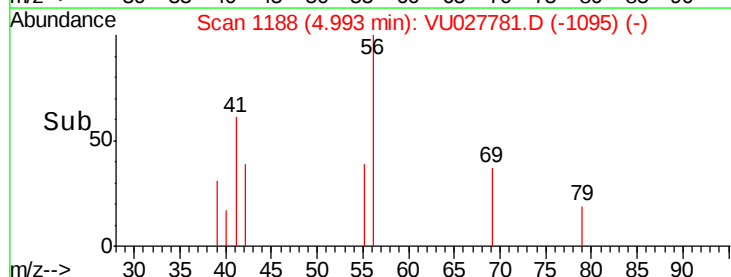
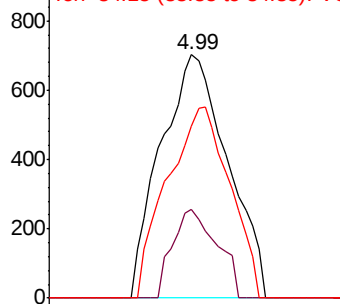


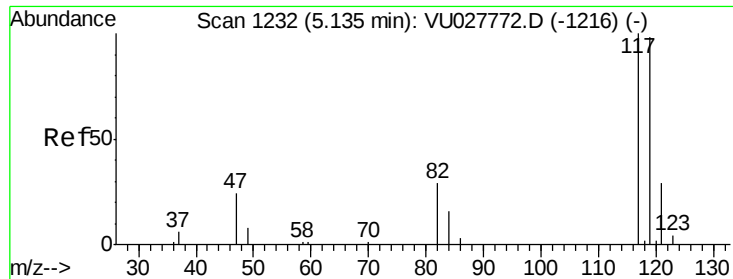
#30
 Cyclohexane
 Concen: 0.245 ug/L
 RT: 4.99 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU027781.D
 Acq: 24 Oct 2018 13:23

Tgt Ion	Ratio	Lower	Upper
56	100		
69	24.2	22.2	33.4
84	73.4	58.6	88.0



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





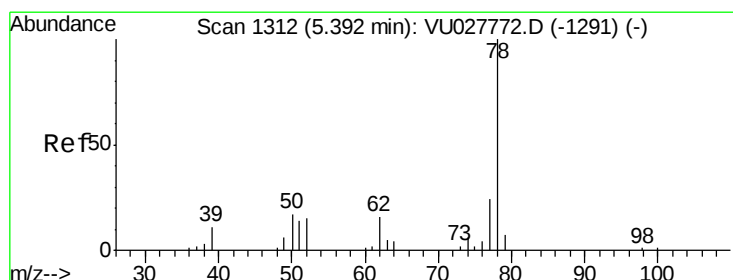
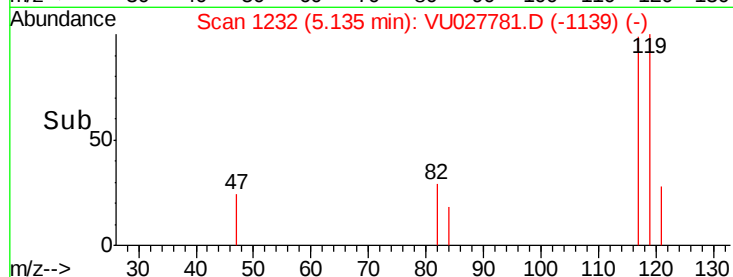
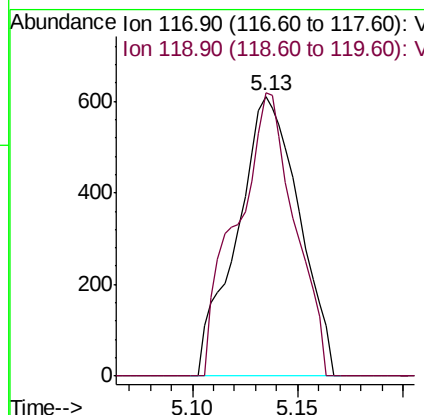
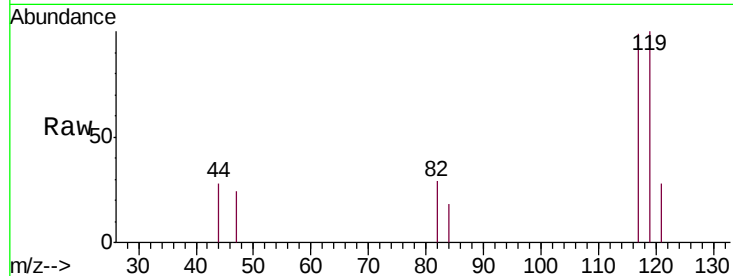
#31
Carbon tetrachloride
Concen: 0.258 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
MDL05

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

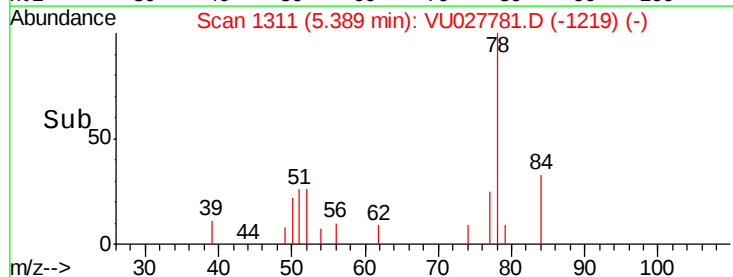
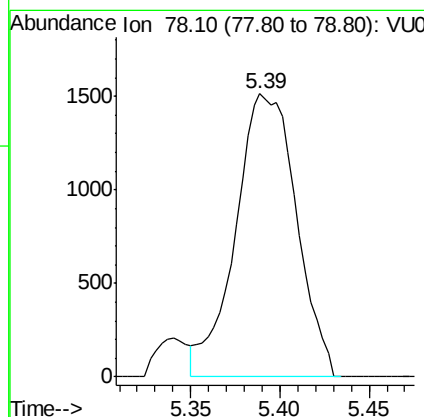
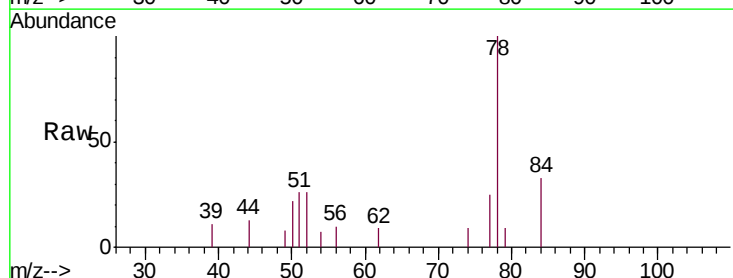
Manual Integrations
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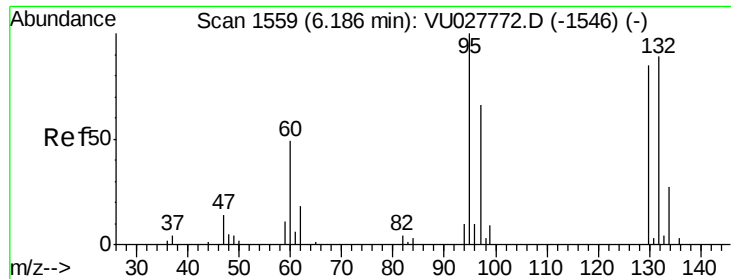
MMDadoda
10/26/2018 11:26:38 AM



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

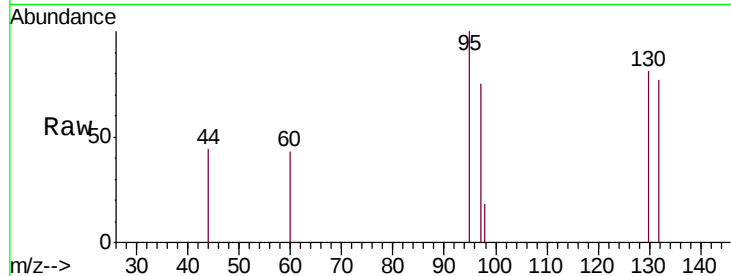
Tgt Ion: 78 Resp: 3602





#34
 Trichloroethene
 Concen: 0.267 ug/L
 RT: 6.19 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VU027781.D
 Acq: 24 Oct 2018 13:23

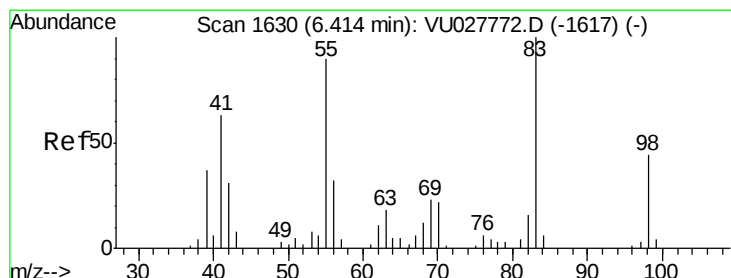
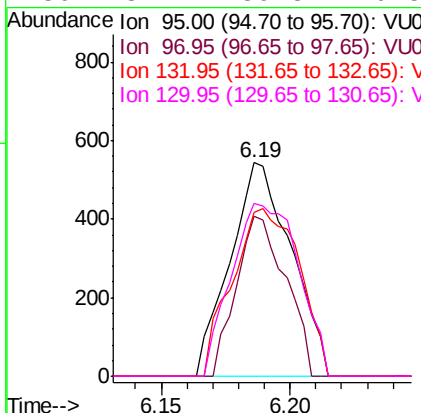
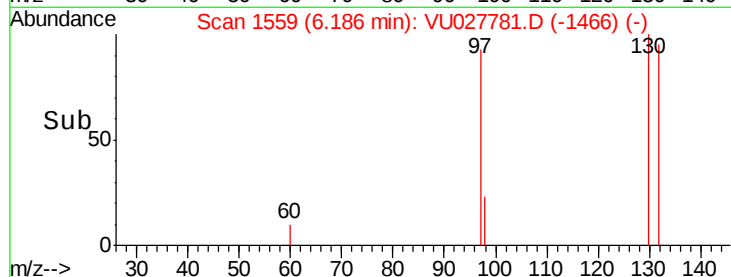
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05



Tgt Ion: 95 Resp: 902
 Ion Ratio Lower Upper
 95 100
 97 75.0 46.4 86.2
 132 76.7 62.0 115.2
 130 81.1 59.5 110.5

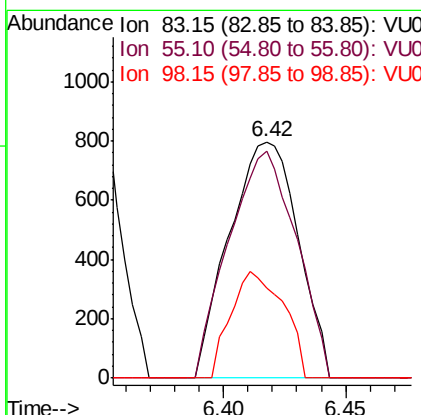
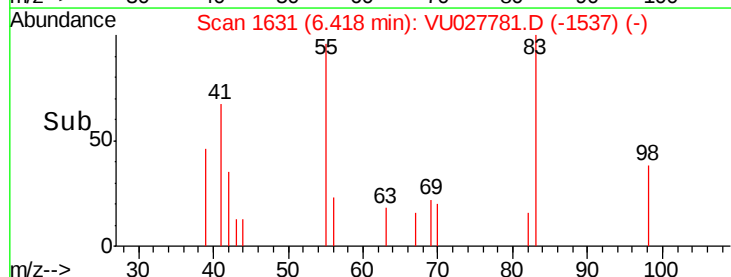
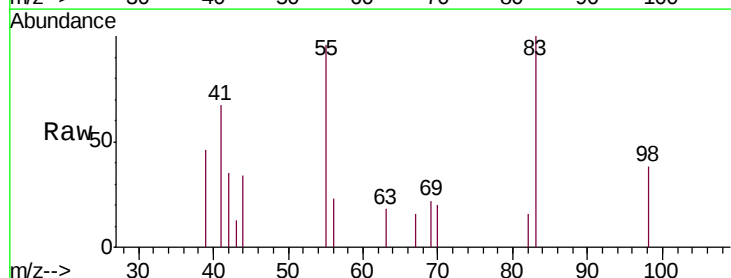
Manual Integrations
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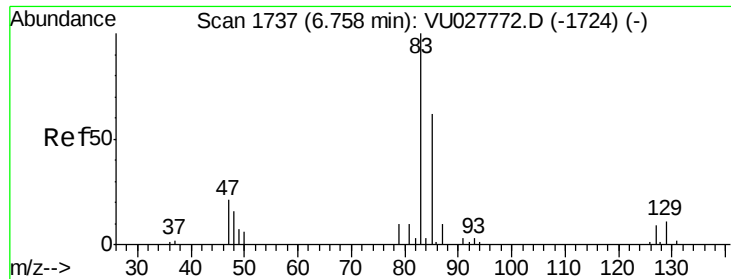
MMDadoda
 10/26/2018 11:26:38 AM



#35
 Methylcyclohexane
 Concen: 0.276 ug/L
 RT: 6.42 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU027781.D
 Acq: 24 Oct 2018 13:23

Tgt Ion: 83 Resp: 1562
 Ion Ratio Lower Upper
 83 100
 55 94.0 71.5 107.3
 98 34.6 35.4 53.0#





#38

Bromodichloromethane

Concen: 0.262 ug/L

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

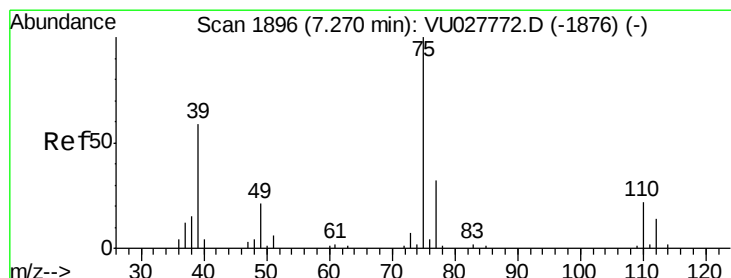
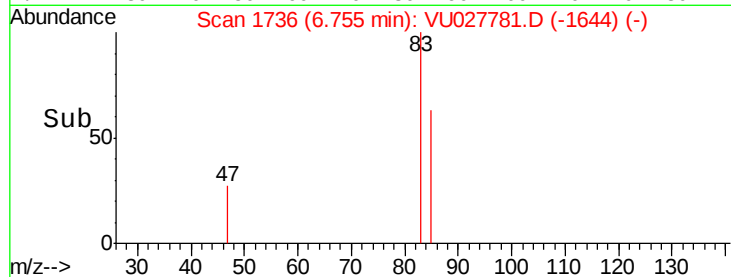
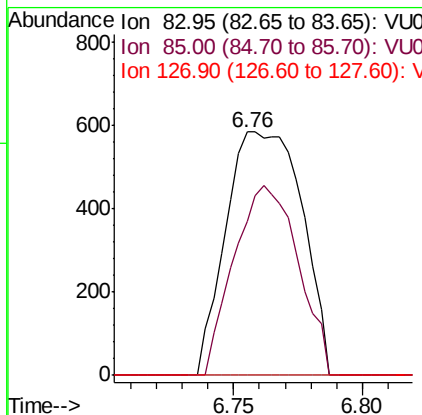
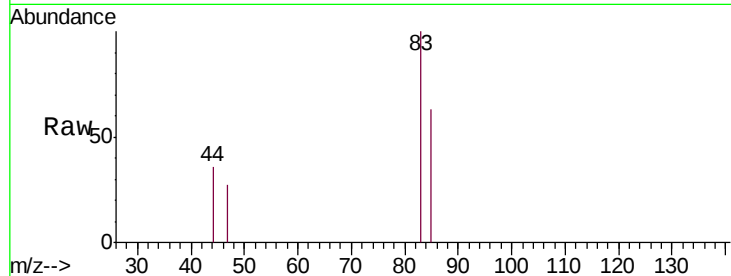
ClientSampleId :

MDL05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	43.3	80.5
127	0.0	7.2	10.8

Manual Integrations
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MMDadoda
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#39

cis-1,3-Dichloropropene

Concen: 0.262 ug/L

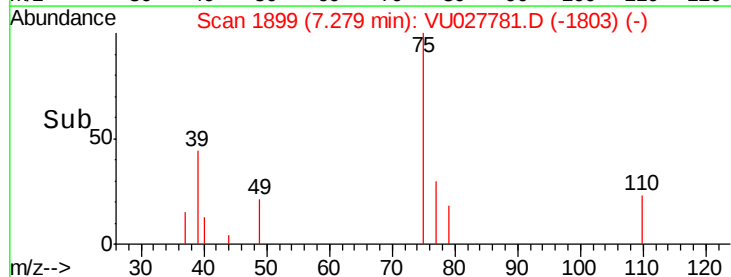
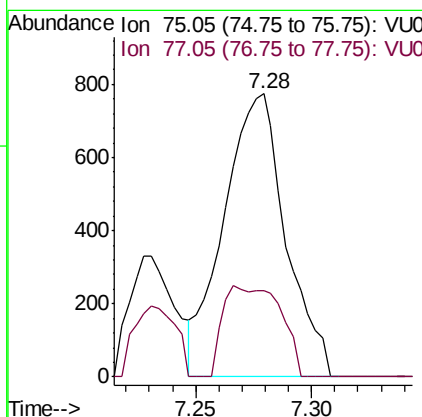
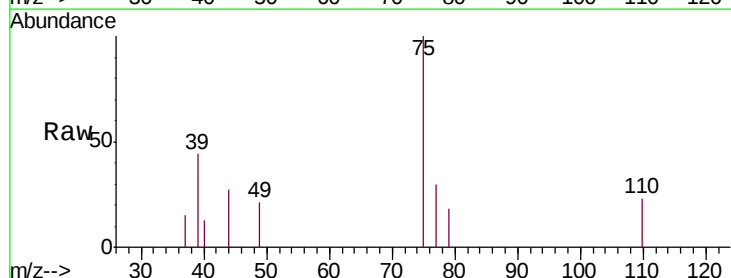
RT: 7.28 min Scan# 1899

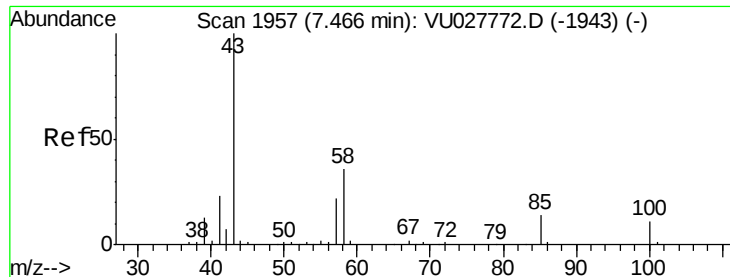
Delta R.T. 0.01 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	22.5	41.7





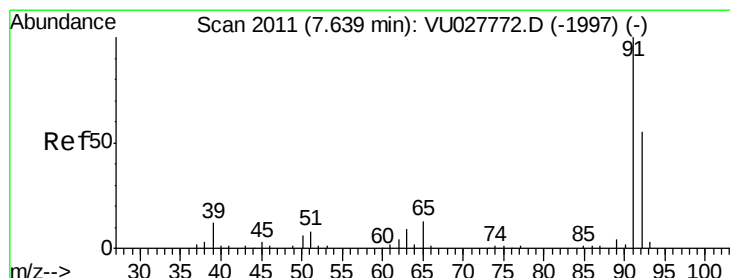
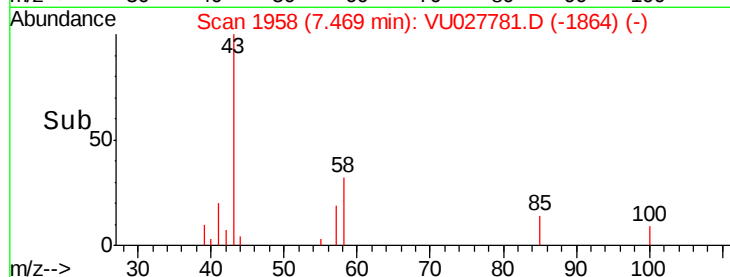
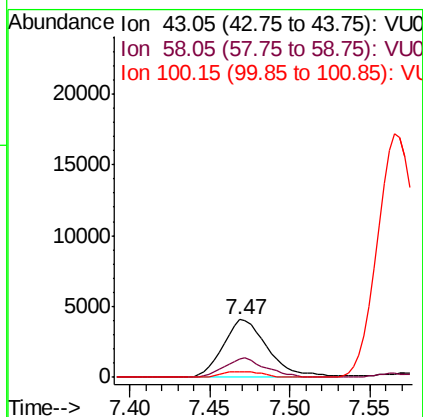
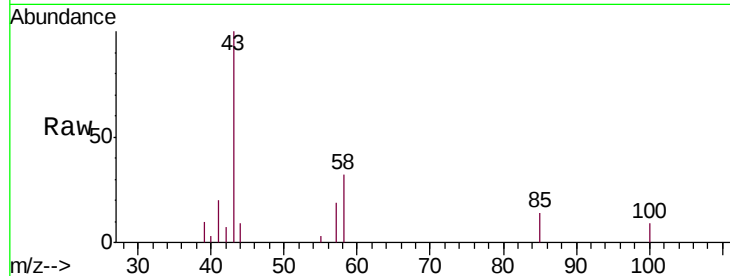
#40
4-Methyl-2-pentanone
Concen: 2.715 ug/L
RT: 7.47 min Scan# 1958
Delta R.T. 0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.7	28.1	42.1
100	0.0	8.7	13.1

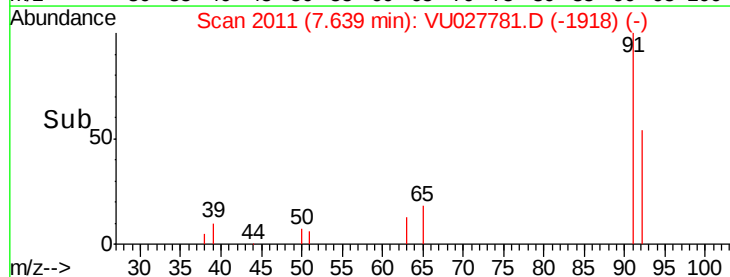
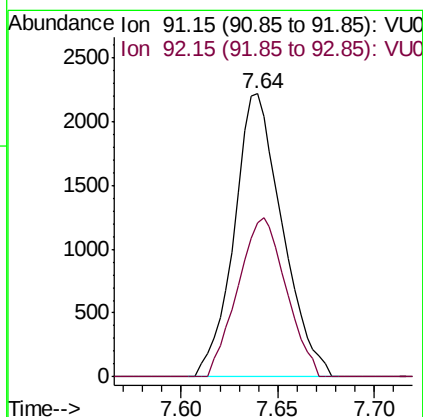
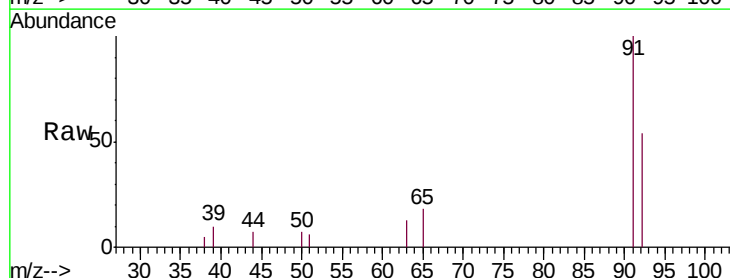
Manual Integrations
APPROVED

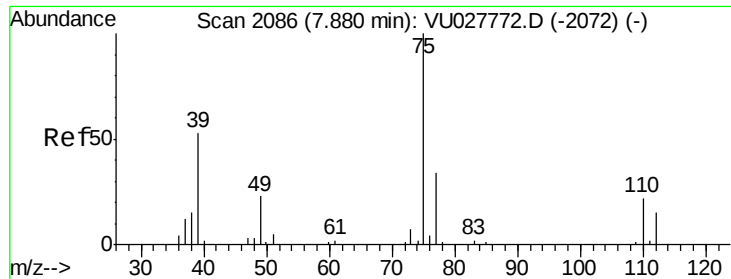
MMDadoda
10/26/2018 11:26:38 AM



#42
Toluene
Concen: 0.273 ug/L
RT: 7.64 min Scan# 2011
Delta R.T. -0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	38.6	71.8





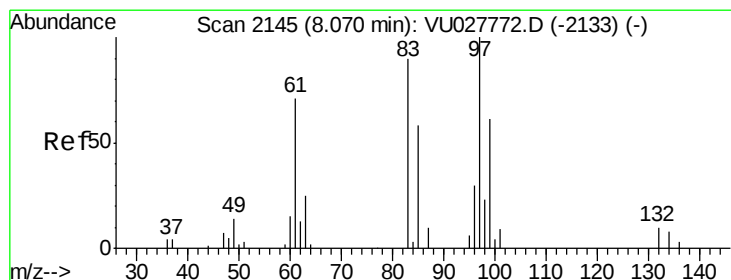
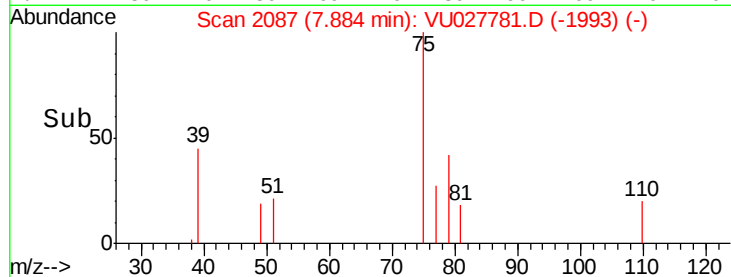
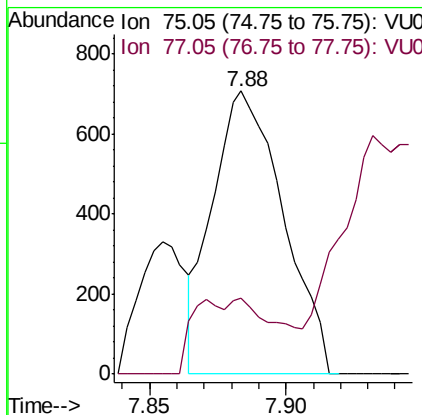
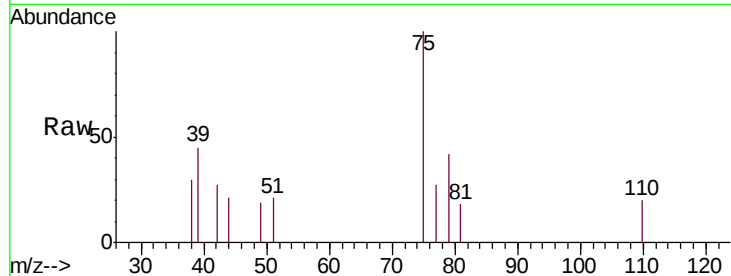
#44
trans-1,3-Dichloropropene
Concen: 0.275 ug/L
RT: 7.88 min Scan# 2087
Delta R.T. 0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

Instrument :
MSVOA_U
ClientSampled :
MDL05

Tgt Ion: 75 Resp: 1272
Ion Ratio Lower Upper
75 100
77 27.0 23.5 43.7

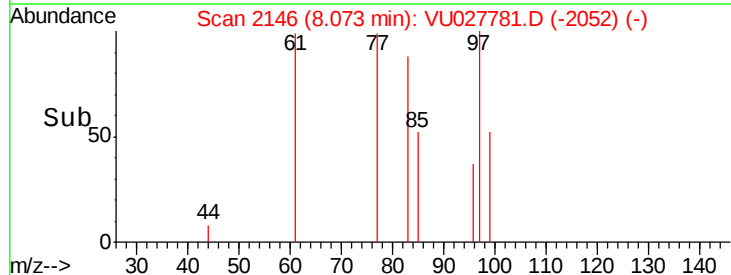
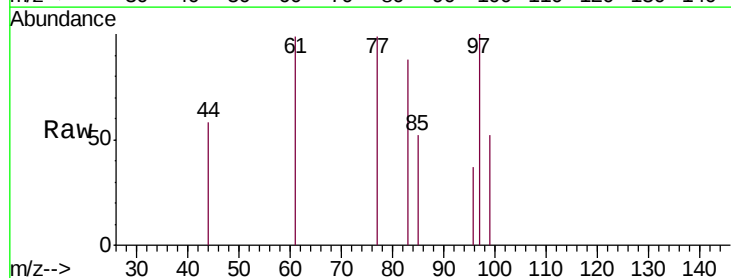
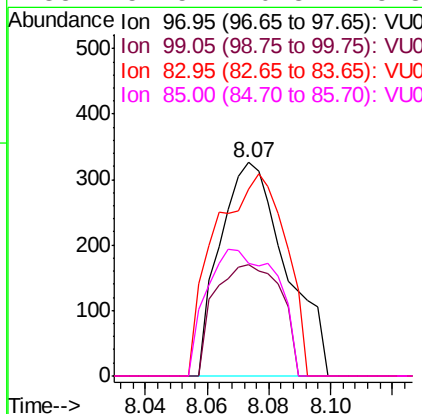
Manual Integrations
APPROVED

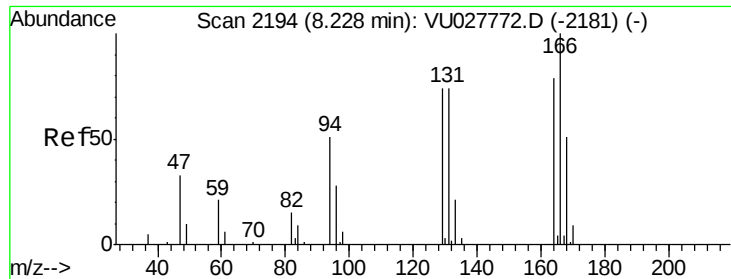
MMDadoda
10/26/2018 11:26:38 AM



#45
1,1,2-Trichloroethane
Concen: 0.209 ug/L
RT: 8.07 min Scan# 2146
Delta R.T. 0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

Tgt Ion: 97 Resp: 483
Ion Ratio Lower Upper
97 100
99 52.1 42.8 79.6
83 87.7 62.9 116.9
85 52.5 40.8 75.8





#47

Tetrachloroethene

Concen: 0.255 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

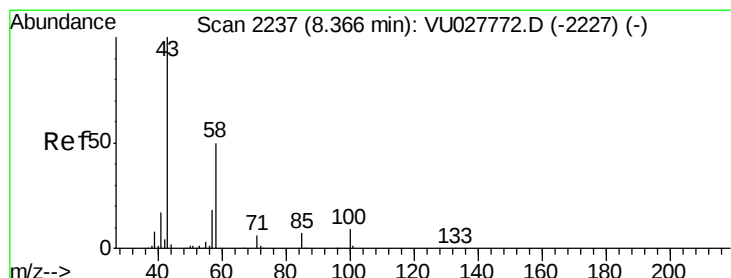
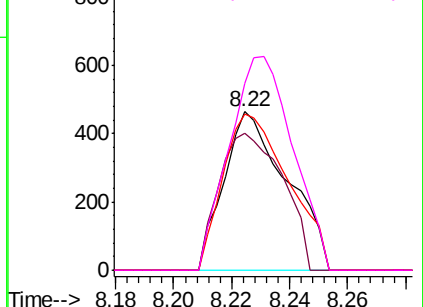
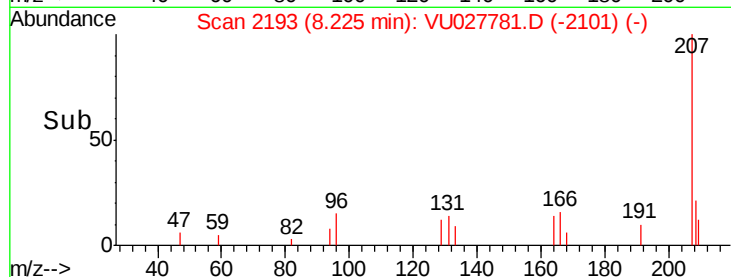
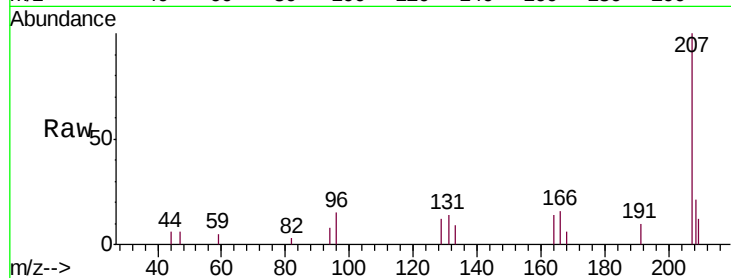
ClientSampleId :

MDL05

Tgt Ion:	164	Resp:	702
Ion	Ratio	Lower	Upper
164	100		
129	86.5	65.6	121.8
131	98.1	65.0	120.8
166	117.8	88.3	164.1

Manual Integrations
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MMDadoda
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#48

2-Hexanone

Concen: 2.954 ug/L

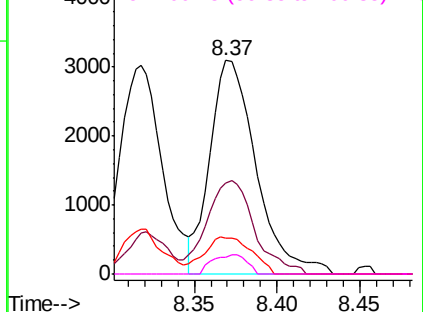
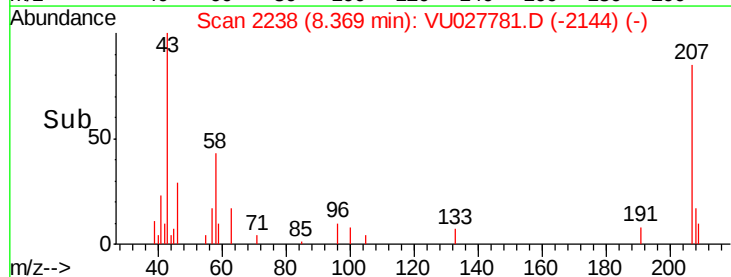
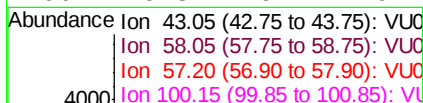
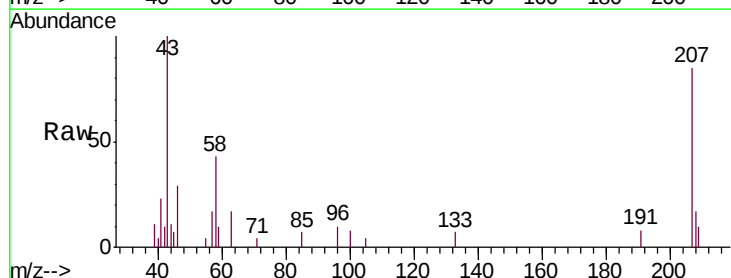
RT: 8.37 min Scan# 2238

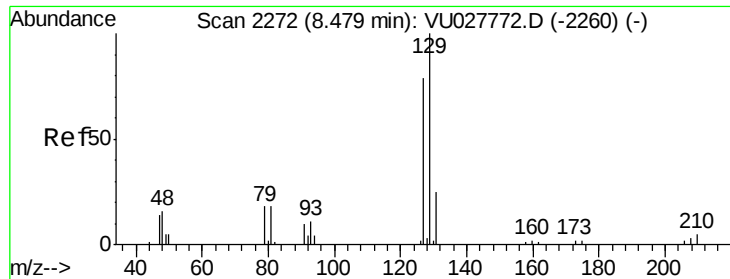
Delta R.T. 0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

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





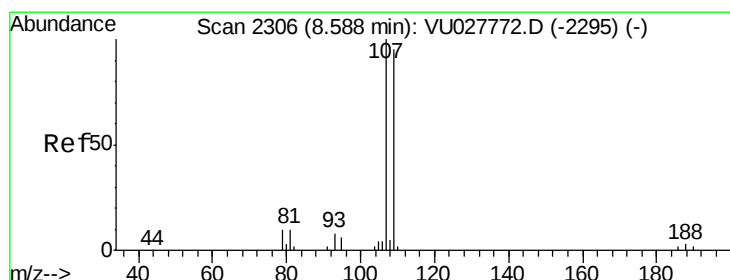
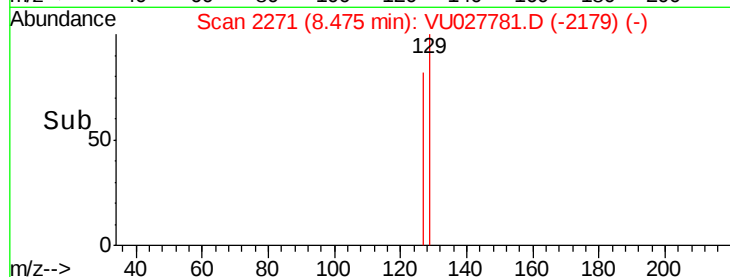
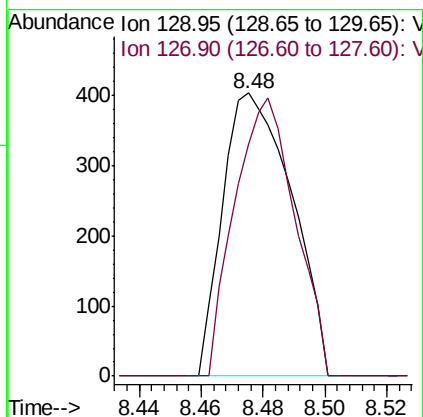
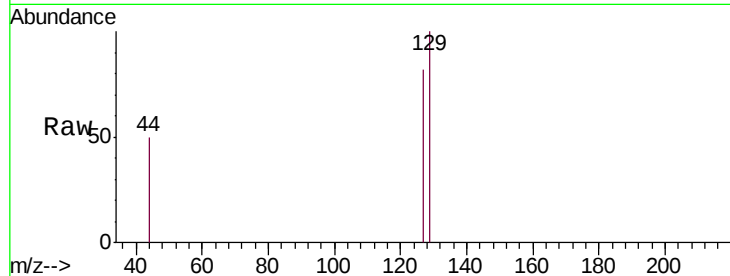
#49
Dibromochloromethane
Concen: 0.212 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
MDL05

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

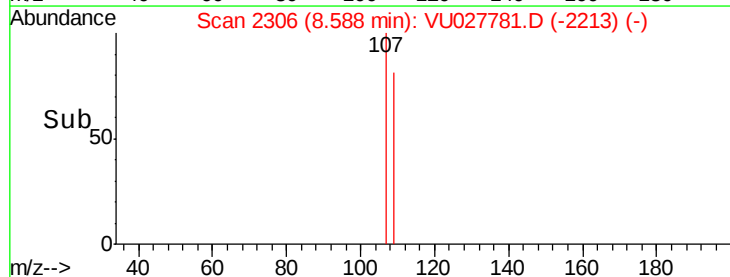
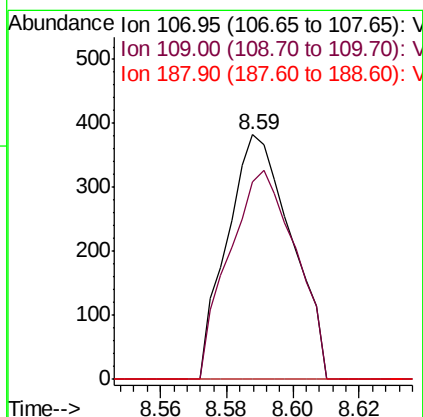
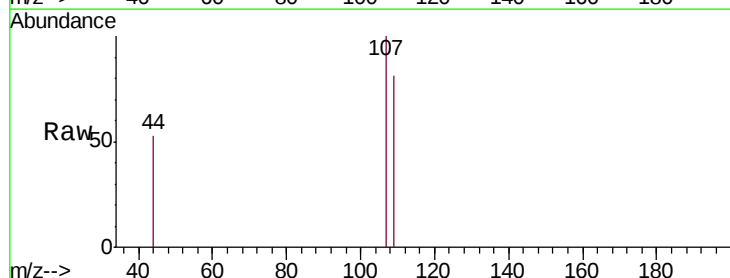
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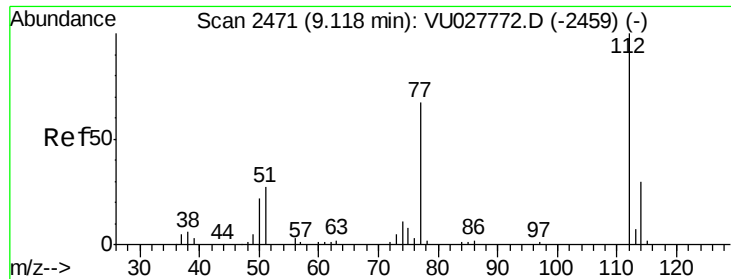
MMDadoda
10/26/2018 11:26:38 AM



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

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





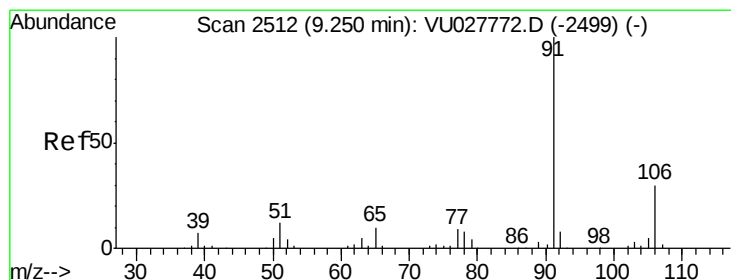
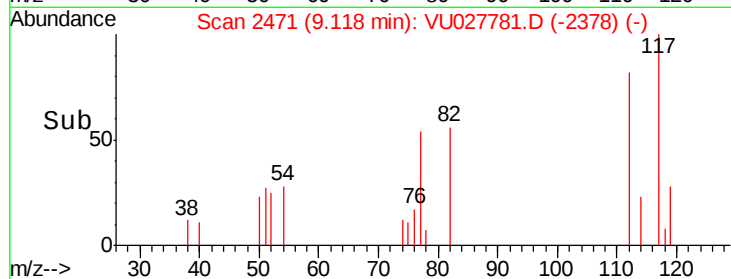
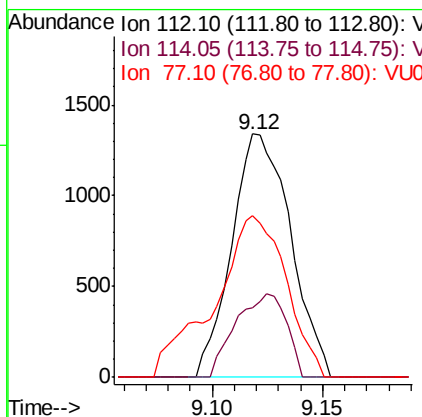
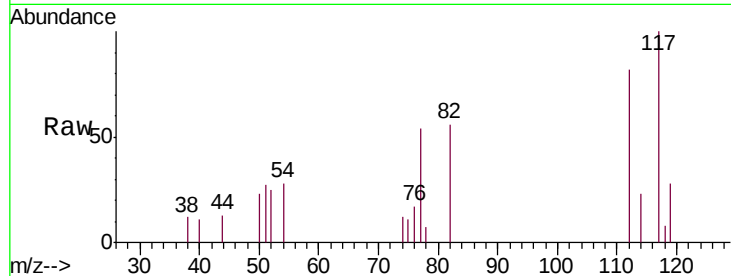
#51
Chlorobenzene
Concen: 0.287 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
MDL05

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

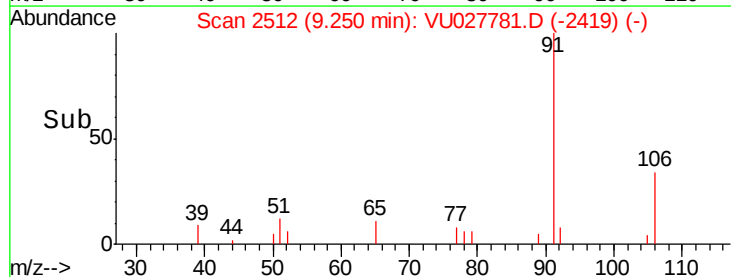
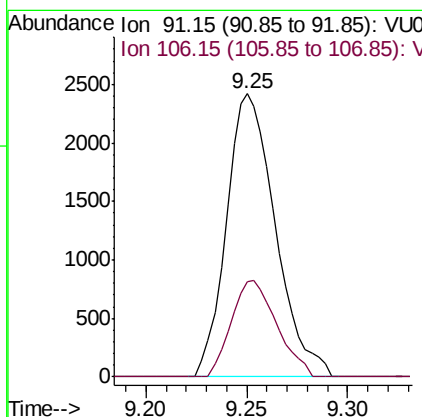
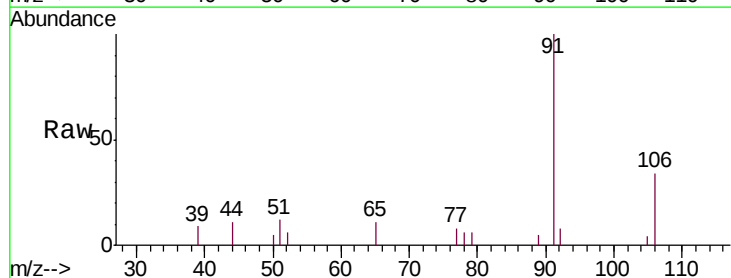
Manual Integrations
APPROVED

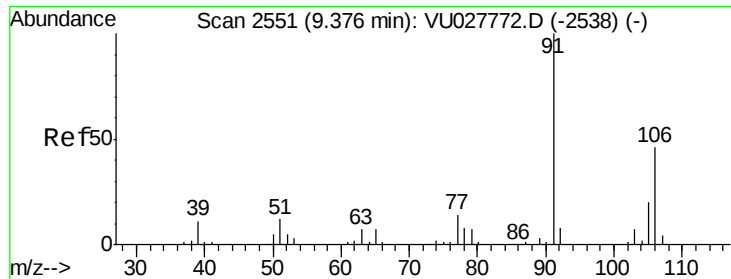
MMDadoda
10/26/2018 11:26:38 AM



#52
Ethylbenzene
Concen: 0.251 ug/L
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.7	20.6	38.4





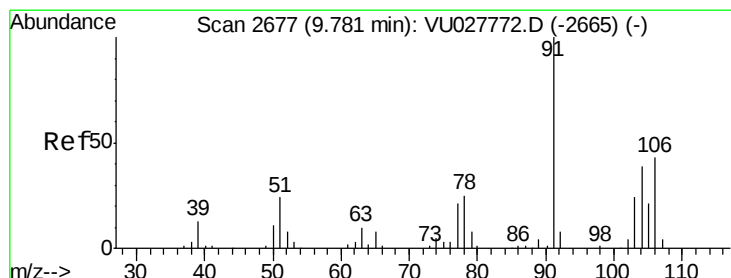
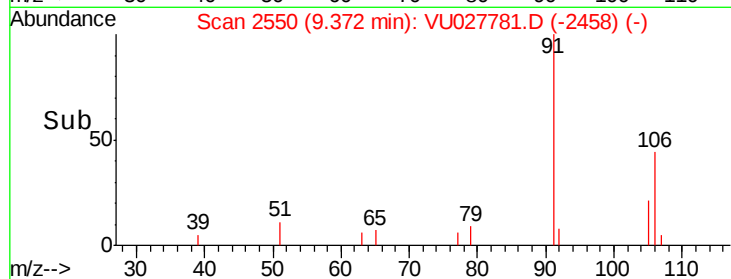
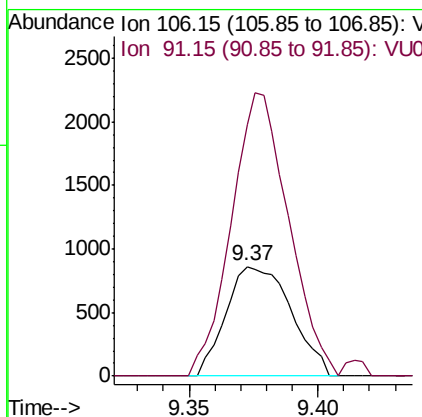
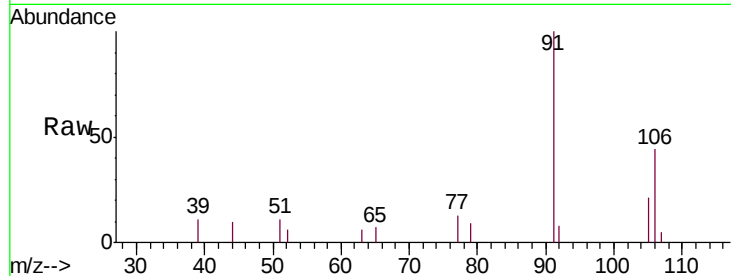
#53
m,p-xylene
Concen: 0.263 ug/L
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

Instrument :
MSVOA_U
ClientSampled :
MDL05

Tgt Ion:106 Resp: 1516
Ion Ratio Lower Upper
106 100
91 228.9 154.1 286.3

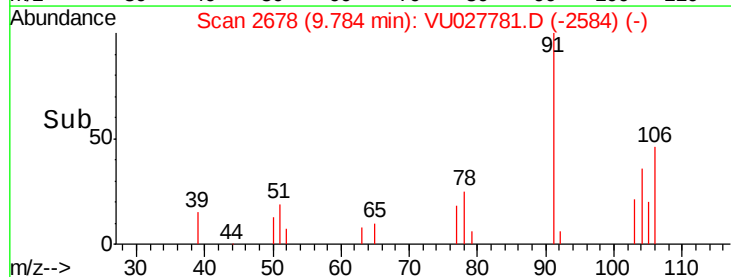
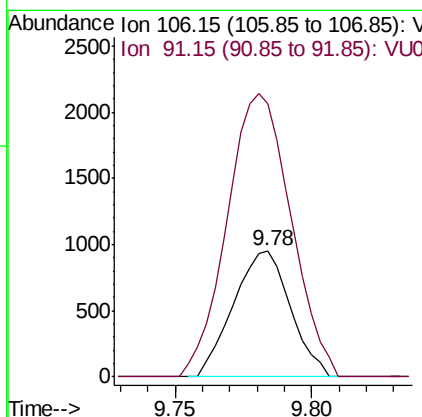
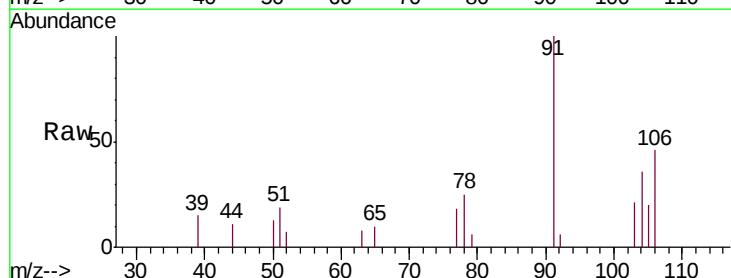
Manual Integrations
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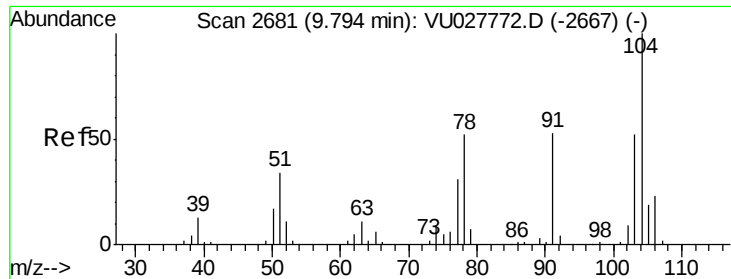
MMDadoda
10/26/2018 11:26:38 AM



#54
o-xylene
Concen: 0.245 ug/L
RT: 9.78 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VU027781.D
Acq: 24 Oct 2018 13:23

Tgt Ion:106 Resp: 1380
Ion Ratio Lower Upper
106 100
91 216.2 161.3 299.7





#55

Styrene

Concen: 0.255 ug/L

RT: 9.80 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

ClientSampled :

MDL05

Tgt Ion:104 Resp: 2439

Ion Ratio Lower Upper

104 100

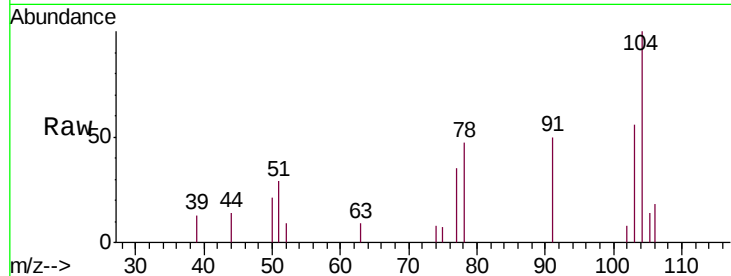
78 47.3 36.3 67.3

Manual Integrations

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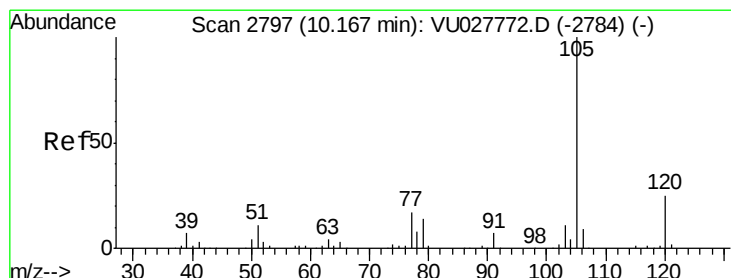
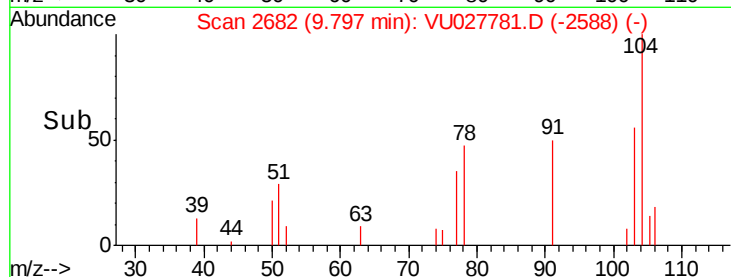
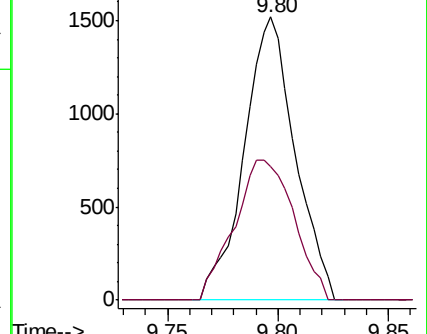
MMDadoda

10/26/2018 11:26:38 AM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0



#56

Isopropylbenzene

Concen: 0.259 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

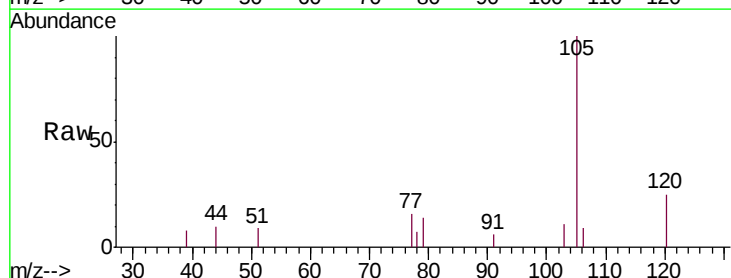
Tgt Ion:105 Resp: 4042

Ion Ratio Lower Upper

105 100

120 21.7 19.9 29.9

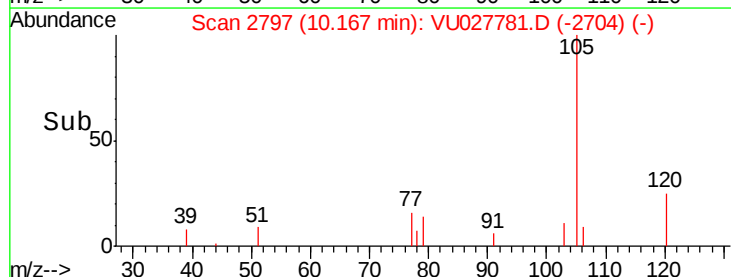
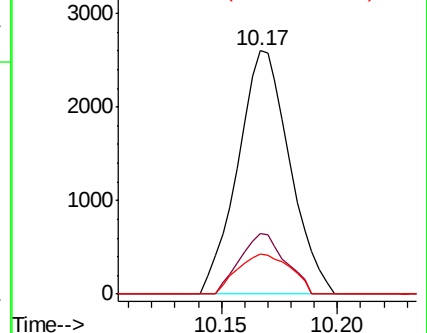
77 16.7 13.7 20.5

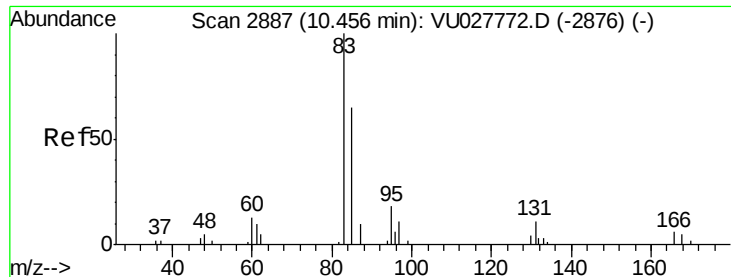


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0





#58

1,1,2,2-Tetrachloroethane

Concen: 0.237 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

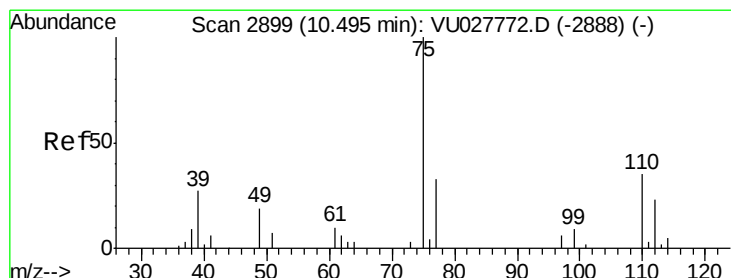
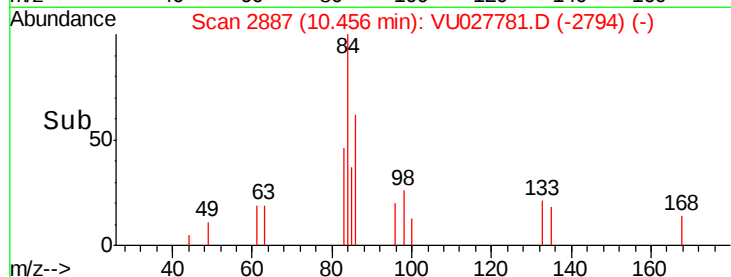
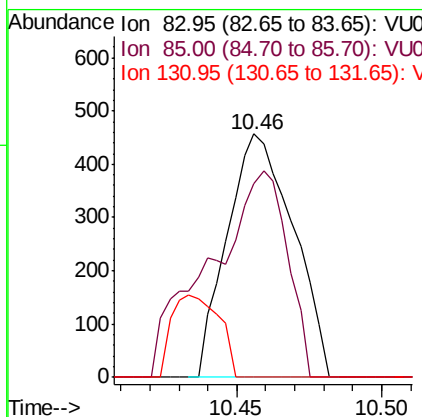
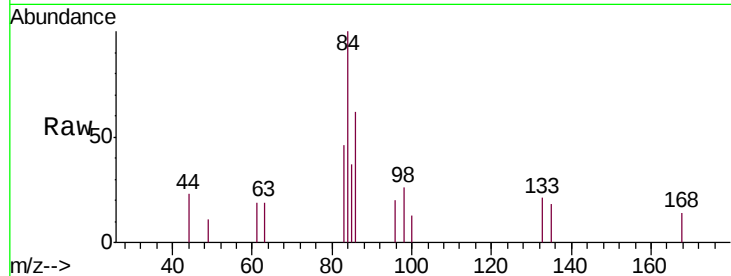
ClientSampleId :

MDL05

Tgt Ion:	83	Resp:	721
Ion Ratio	Lower	Upper	
83	100		
85	79.6	45.5	84.5
131	0.0	8.8	13.2#

Manual Integrations
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MMDadoda
10/26/2018 11:26:38 AM



#59

1,2,3-Trichloropropane

Concen: 0.228 ug/L m

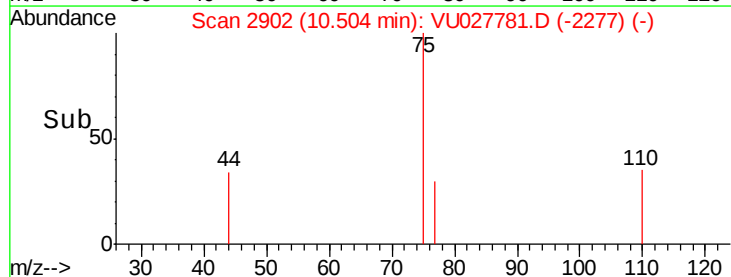
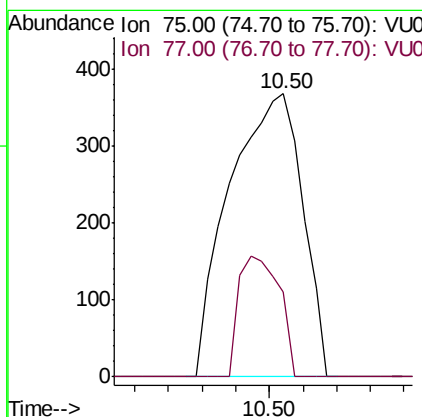
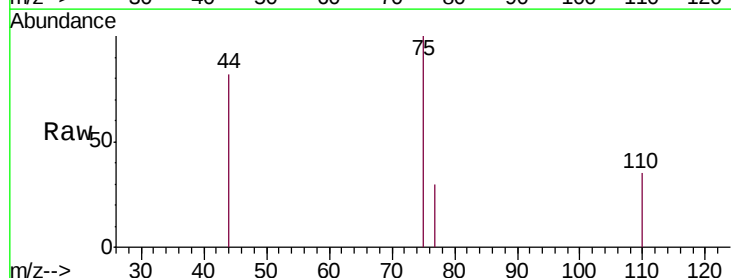
RT: 10.50 min Scan# 2902

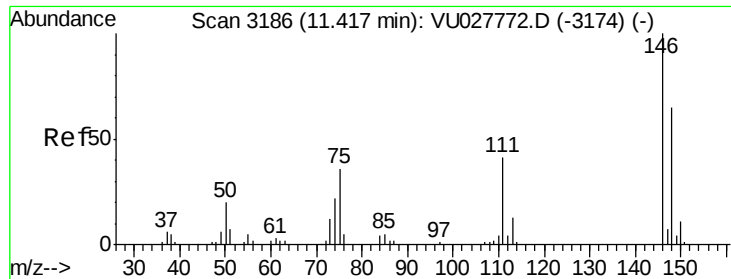
Delta R.T. 0.01 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Tgt Ion:	75	Resp:	551
Ion Ratio	Lower	Upper	
75	100		
77	158.6	26.4	39.6#





#62

1,3-Dichlorobenzene

Concen: 0.249 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

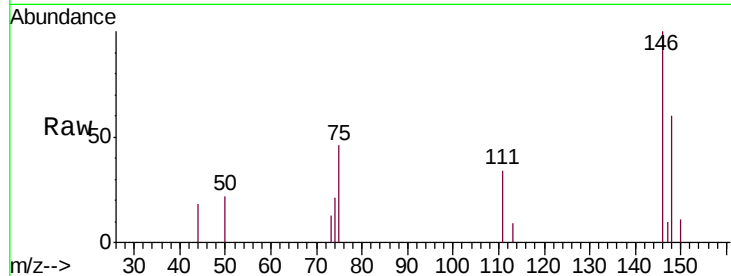
ClientSampleId :

MDL05

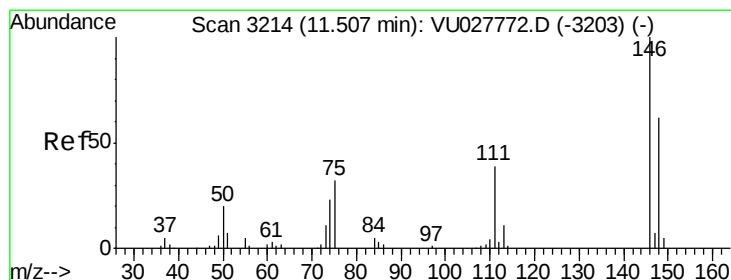
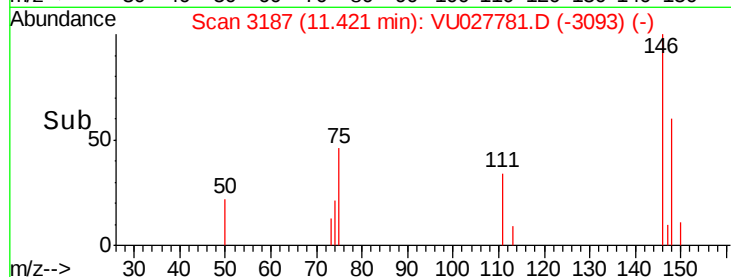
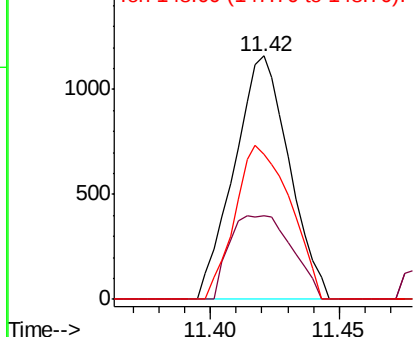
Tgt Ion:	146	Resp:	1726
Ion Ratio	Lower	Upper	
146	100		
111	34.3	28.6	53.0
148	59.7	45.1	83.9

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



#63

1,4-Dichlorobenzene

Concen: 0.273 ug/L

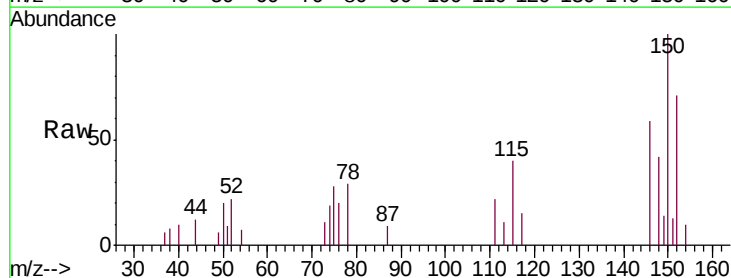
RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

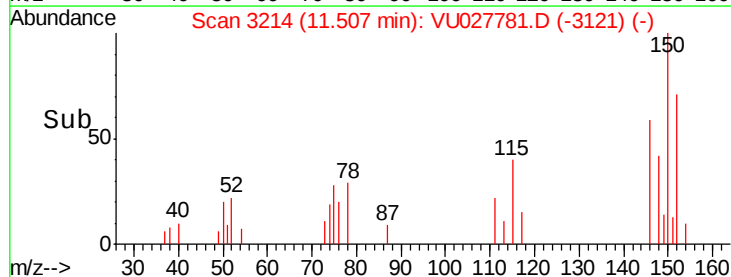
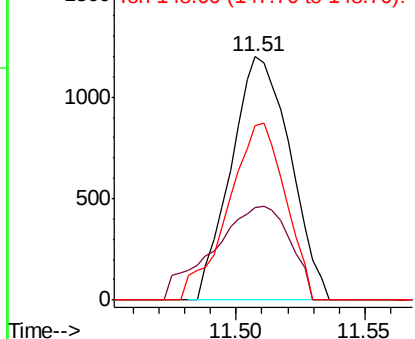
Lab File: VU027781.D

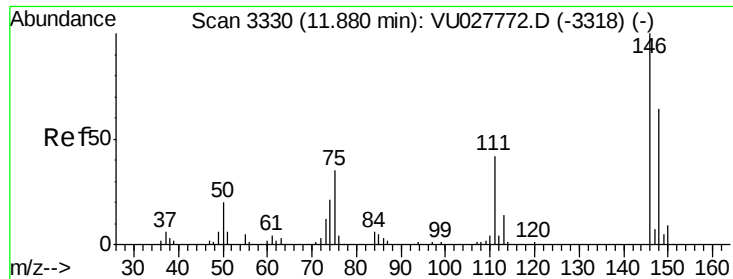
Acq: 24 Oct 2018 13:23

Tgt Ion:	146	Resp:	1912
Ion Ratio	Lower	Upper	
146	100		
111	37.9	27.6	51.4
148	71.5	43.3	80.3



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





#65

1,2-Dichlorobenzene

Concen: 0.259 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Instrument :

MSVOA_U

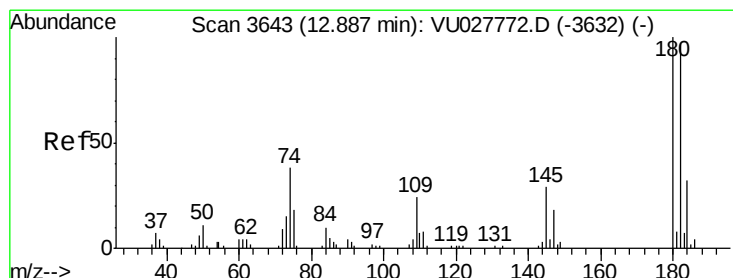
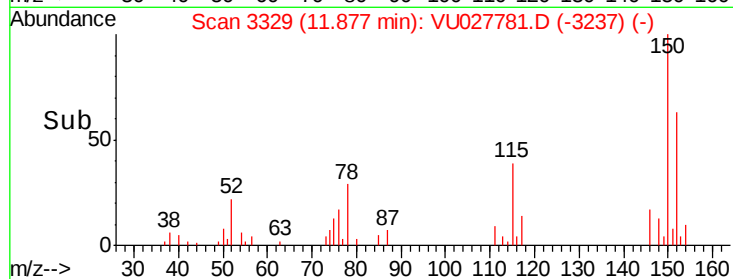
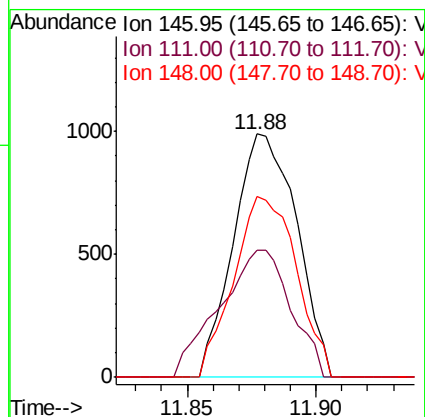
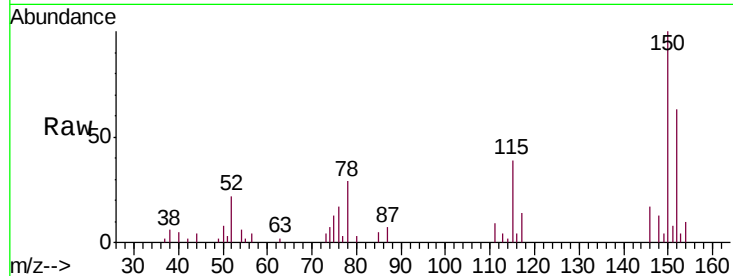
ClientSampleId :

MDL05

Tgt Ion:	146	Resp:	1688
Ion Ratio	Lower	Upper	
146	100		
111	52.4	33.7	50.5#
148	74.0	50.8	76.2

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#67

1,3,5-Trichlorobenzene

Concen: 0.269 ug/L

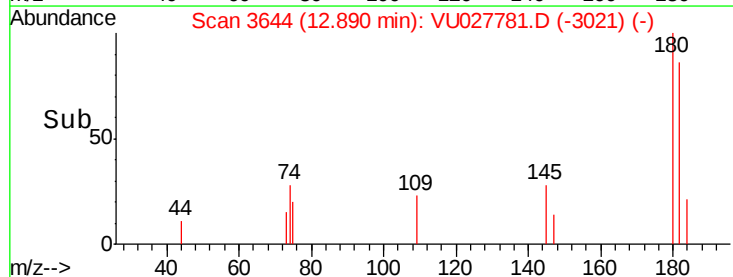
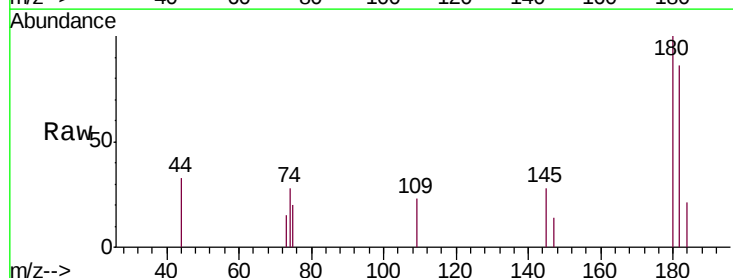
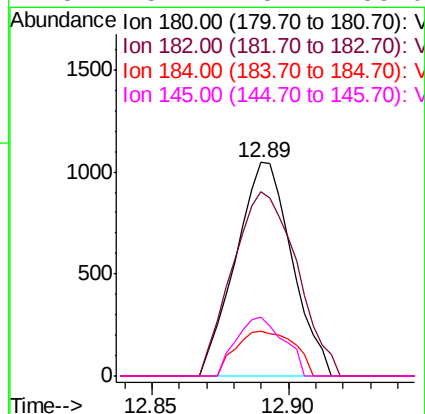
RT: 12.89 min Scan# 3644

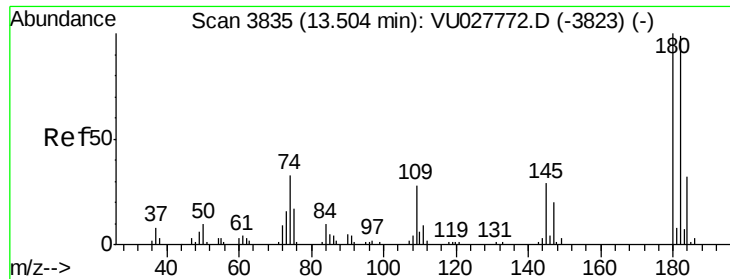
Delta R.T. 0.00 min

Lab File: VU027781.D

Acq: 24 Oct 2018 13:23

Tgt Ion:	180	Resp:	1495
Ion Ratio	Lower	Upper	
180	100		
182	98.8	78.9	118.3
184	21.7	24.6	37.0#
145	23.4	23.4	35.0





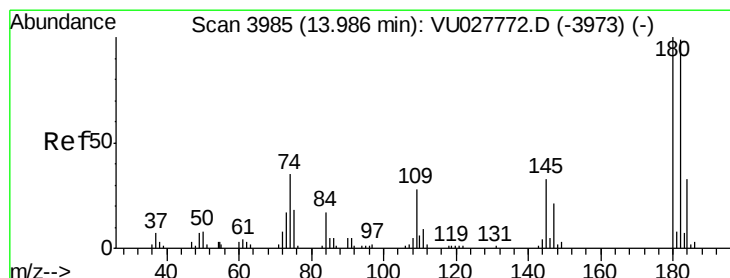
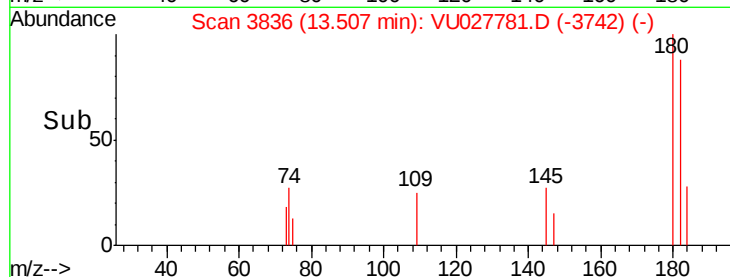
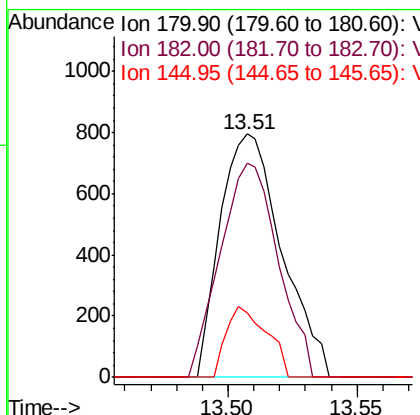
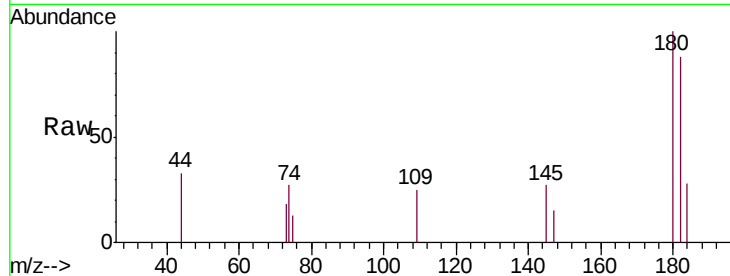
#68
 1,2,4-trichlorobenzene
 Concen: 0.274 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027781.D
 Acq: 24 Oct 2018 13:23

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL05

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

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

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

