

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U103018\
 Data File : VU027874.D
 Acq On : 30 Oct 2018 15:09
 Operator : MD/SY
 Sample : MDL03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 11:15:29 AM

Quant Time: Oct 31 02:39:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR103018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 31 02:11:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	78968	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	74284	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	36998	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	32724	5.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.00%
7) Chloroethane-d5	1.68	69	24703	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.80%
11) 1,1-Dichloroethene-d2	2.28	63	46823	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.00%
20) 2-Butanone-d5	4.20	46	97126	52.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.54%
24) Chloroform-d	4.65	84	56193	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.31	65	32872	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.34	84	109372	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
36) 1,2-Dichloropropane-d6	6.34	67	38188	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.57	98	100255	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
43) trans-1,3-Dichloropropene-	7.85	79	14299	5.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.60%
46) 2-Hexanone-d5	8.31	63	81340	53.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.72%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	26845	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	35832	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	2472	0.318 ug/L	92
3) Chloromethane	1.33	50	2660	0.345 ug/L	96
5) Vinyl chloride	1.40	62	2342	0.305 ug/L #	62
6) Bromomethane	1.63	94	828	0.328 ug/L	93
8) Chloroethane	1.70	64	1526	0.339 ug/L	87
9) Trichlorofluoromethane	1.89	101	3664	0.360 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	1834	0.353 ug/L	90
12) 1,1-Dichloroethene	2.29	96	1778	0.363 ug/L #	1
13) Acetone	2.33	43	4075	3.512 ug/L	91
14) Carbon disulfide	2.48	76	5630	0.321 ug/L	98
15) Methyl Acetate	2.62	43	1446	0.466 ug/L #	77
16) Methylene chloride	2.71	84	1879	0.341 ug/L	98
17) Methyl tert-butyl Ether	3.01	73	4776	0.327 ug/L	98
18) trans-1,2-Dichloroethene	2.99	96	1816	0.348 ug/L	100
19) 1,1-Dichloroethane	3.45	63	3477	0.316 ug/L	92
21) 2-Butanone	4.29	43	6444	3.195 ug/L #	72
22) cis-1,2-Dichloroethene	4.23	96	2056m	0.341 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.56	128	586	0.235	ug/L #	49
25) Chloroform	4.68	83	3429	0.307	ug/L	77
27) 1,2-Dichloroethane	5.41	62	2484	0.319	ug/L #	88
29) 1,1,1-Trichloroethane	4.92	97	3034	0.317	ug/L	96
30) Cyclohexane	4.99	56	3645	0.324	ug/L	97
31) Carbon tetrachloride	5.13	117	2676	0.325	ug/L	95
33) Benzene	5.40	78	7842	0.333	ug/L	100
34) Trichloroethene	6.19	95	2049	0.335	ug/L	90
35) Methylcyclohexane	6.41	83	3259	0.313	ug/L	98
37) 1,2-Dichloropropane	6.44	63	2196	0.328	ug/L #	90
38) Bromodichloromethane	6.76	83	2447	0.312	ug/L #	87
39) cis-1,3-Dichloropropene	7.28	75	3195	0.333	ug/L	95
40) 4-Methyl-2-pentanone	7.47	43	15137	3.197	ug/L #	90
42) Toluene	7.64	91	8360	0.340	ug/L	93
44) trans-1,3-Dichloropropene	7.88	75	3055	0.371	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	1236	0.300	ug/L	85
47) Tetrachloroethene	8.23	164	1748	0.372	ug/L	80
48) 2-Hexanone	8.37	43	12375	3.626	ug/L	95
49) Dibromochloromethane	8.48	129	1568	0.315	ug/L	95
50) 1,2-Dibromoethane	8.59	107	1288	0.327	ug/L #	86
51) Chlorobenzene	9.12	112	5243	0.343	ug/L	91
52) Ethylbenzene	9.25	91	8920	0.318	ug/L	99
53) m,p-xylene	9.38	106	3118	0.306	ug/L	89
54) o-xylene	9.78	106	3056	0.306	ug/L	77
55) Styrene	9.80	104	4956	0.296	ug/L	91
56) Isopropylbenzene	10.17	105	8219	0.302	ug/L #	93
58) 1,1,2,2-Tetrachloroethane	10.46	83	1763	0.328	ug/L #	95
59) 1,2,3-Trichloropropane	10.49	75	1250m	0.308	ug/L	
61) Bromoform	9.96	173	778	0.286	ug/L #	78
62) 1,3-Dichlorobenzene	11.42	146	4130	0.347	ug/L	91
63) 1,4-Dichlorobenzene	11.51	146	3925	0.330	ug/L	90
65) 1,2-Dichlorobenzene	11.88	146	3852	0.343	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.66	75	307m	0.349	ug/L	
67) 1,3,5-Trichlorobenzene	12.89	180	3286m	0.343	ug/L	
68) 1,2,4-trichlorobenzene	13.51	180	2529	0.311	ug/L	93
69) Naphthalene	13.75	128	3427	0.271	ug/L #	90
70) 1,2,3-Trichlorobenzene	13.99	180	2458	0.331	ug/L	93

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

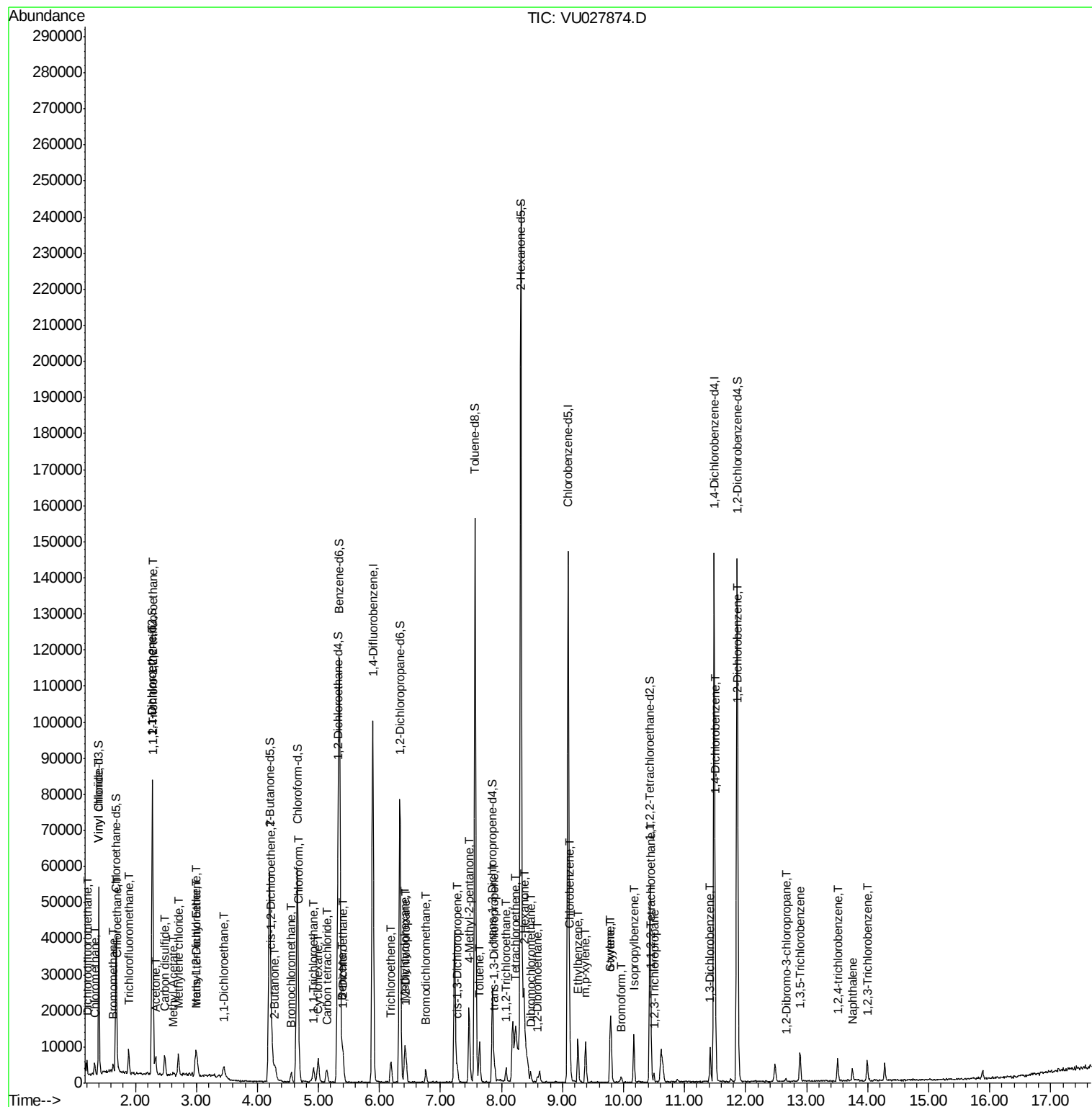
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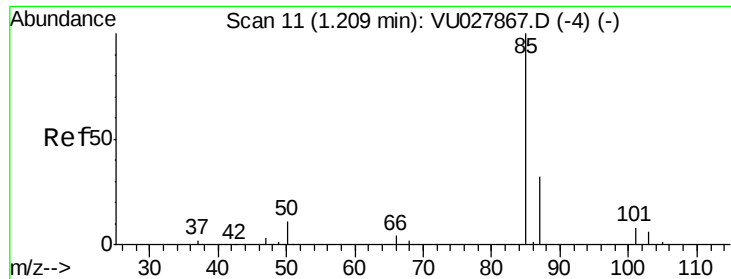
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#2

Dichlorodifluoromethane

Concen: 0.318 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027874.D

Acq: 30 Oct 2018 15:09

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tot Ion: 85 Resp: 2472

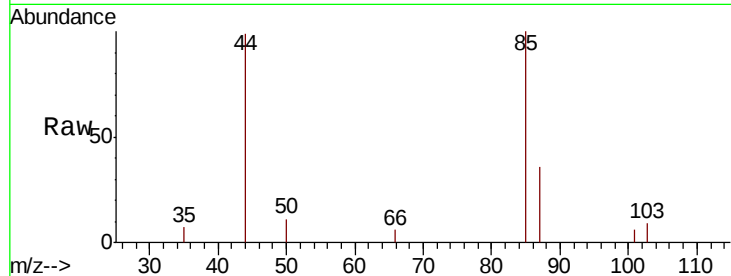
Ion Ratio Lower Upper

85 100

87 35.7 25.2 37.8

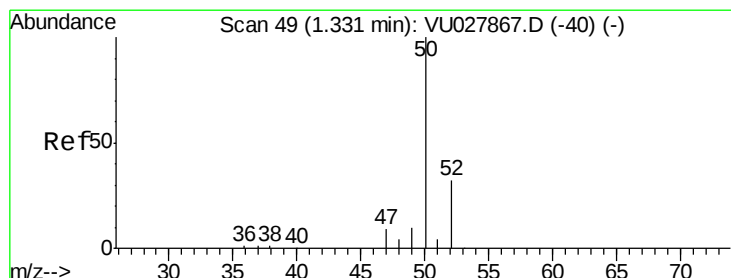
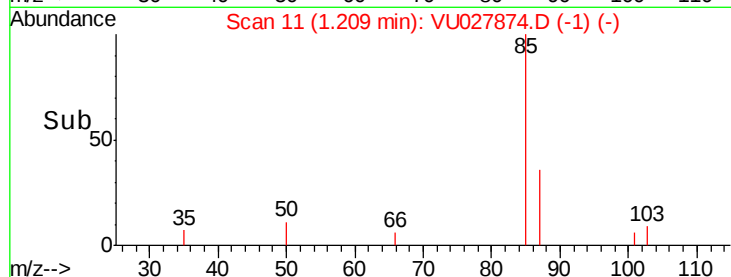
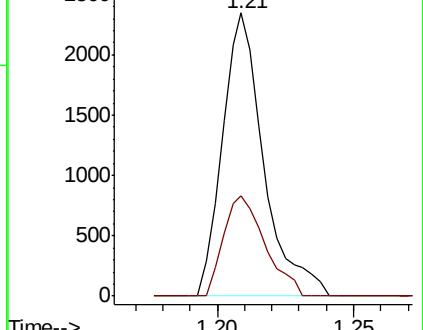
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Abundance Ion 85.00 (84.70 to 85.70): VU027867.D (-4) (-)

Ion 87.00 (86.70 to 87.70): VU027867.D (-4) (-)



#3

Chloromethane

Concen: 0.345 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027874.D

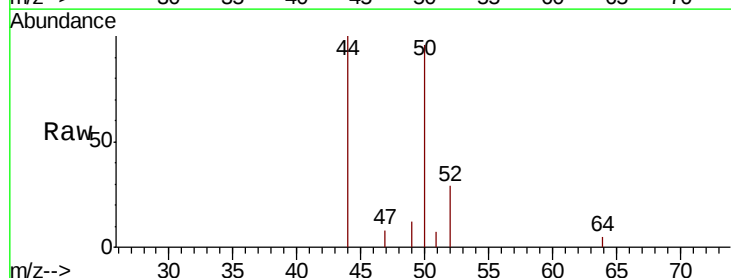
Acq: 30 Oct 2018 15:09

Tgt Ion: 50 Resp: 2660

Ion Ratio Lower Upper

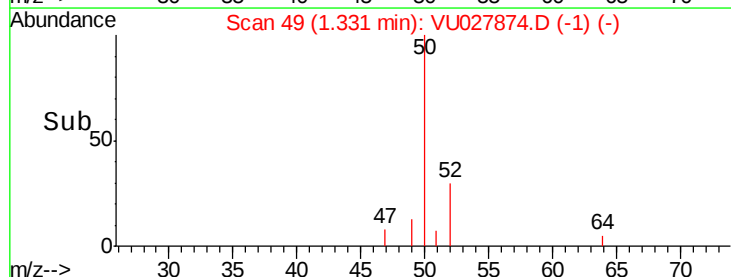
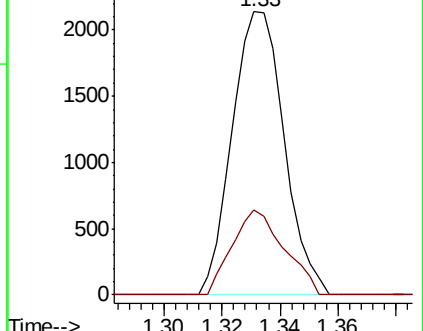
50 100

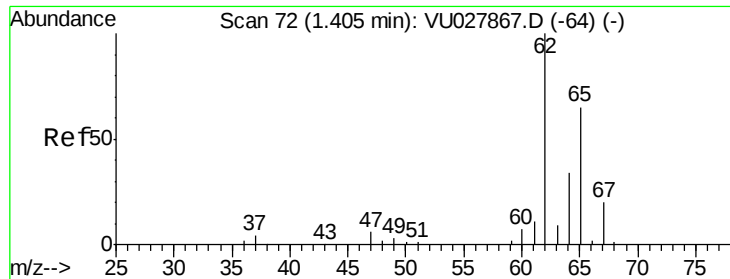
52 29.8 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU027867.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VU027867.D (-40) (-)





#5

Vinyl chloride

Concen: 0.305 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027874.D

Acq: 30 Oct 2018 15:09

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tot Ion: 62 Resp: 2342

Ion Ratio Lower Upper

62 100

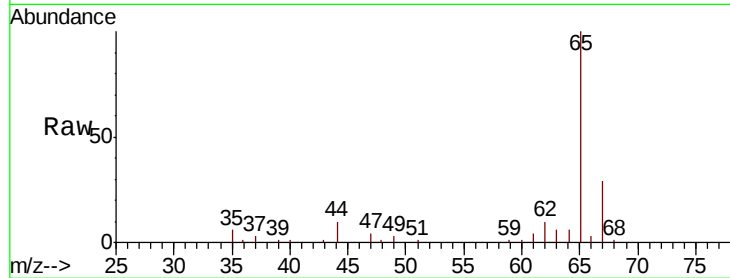
64 56.1 24.0 44.6#

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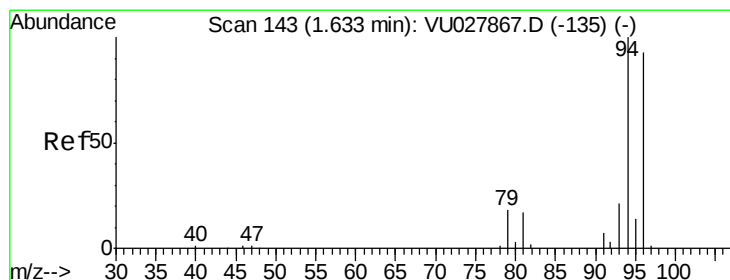
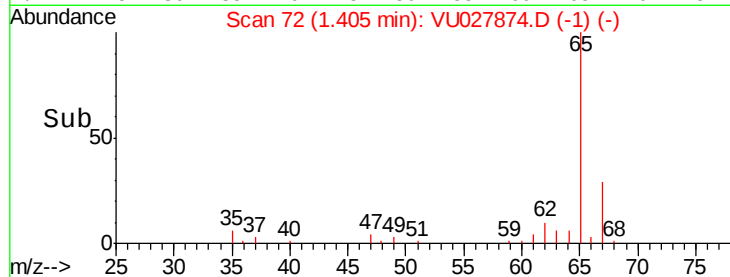
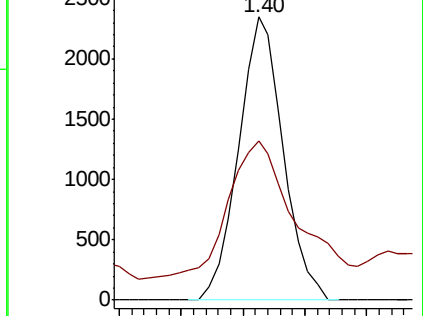
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Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.328 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027874.D

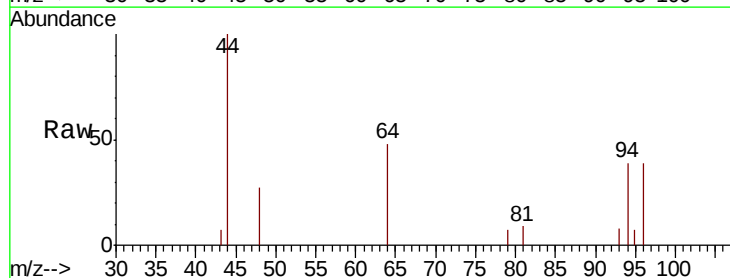
Acq: 30 Oct 2018 15:09

Tgt Ion: 94 Resp: 828

Ion Ratio Lower Upper

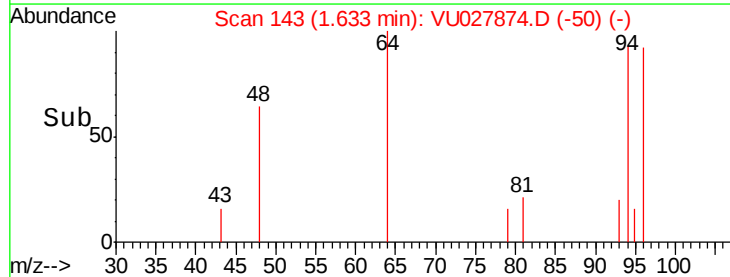
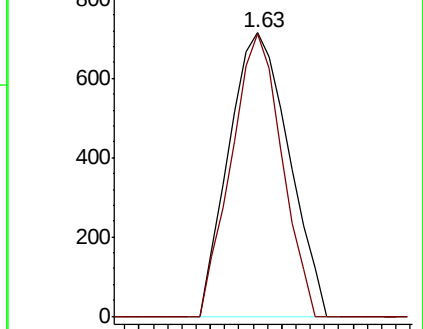
94 100

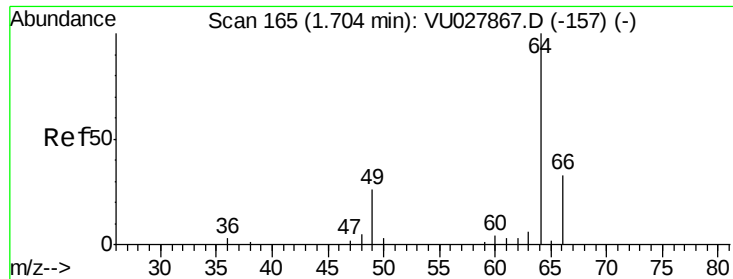
96 99.7 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





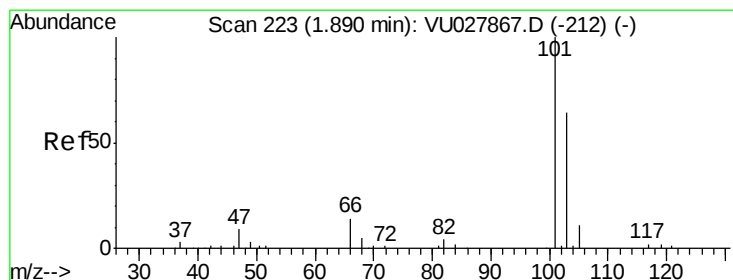
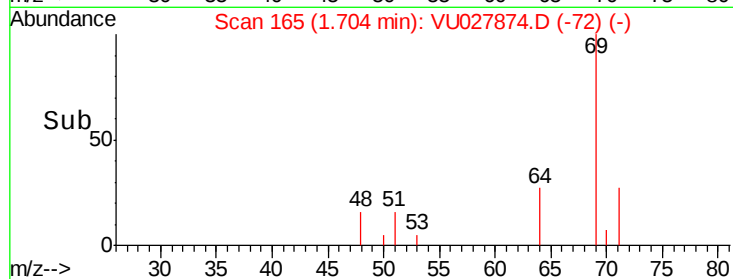
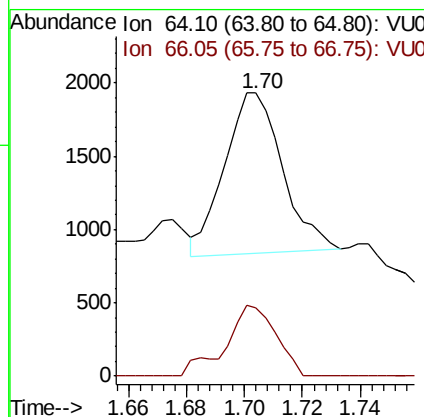
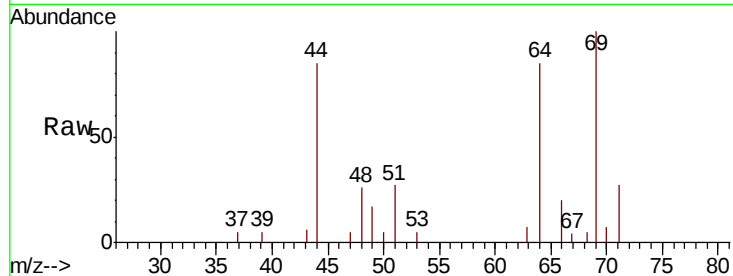
#8
 Chloroethane
 Concen: 0.339 ug/L
 RT: 1.70 min Scan# 165
 Delta R.T. 0.00 min
 Lab File: VU027874.D
 Acq: 30 Oct 2018 15:09

Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

Tot Ion: 64 Resp: 1526
 Ion Ratio Lower Upper
 64 100
 66 24.1 21.8 40.6

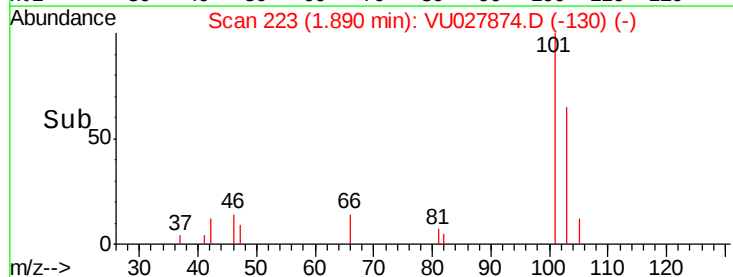
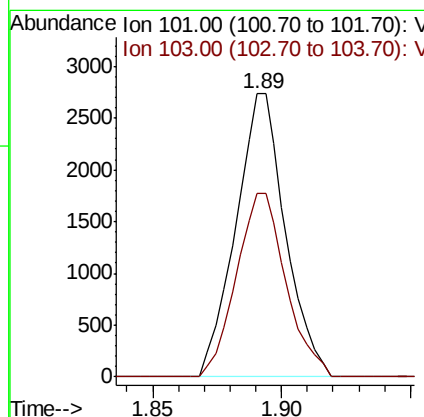
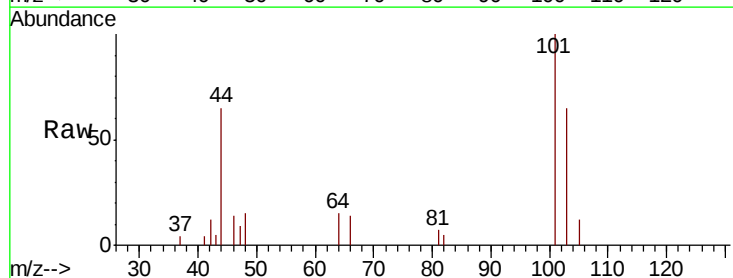
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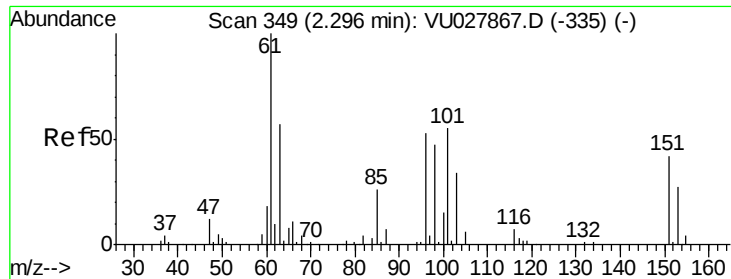
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#9
 Trichlorofluoromethane
 Concen: 0.360 ug/L
 RT: 1.89 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VU027874.D
 Acq: 30 Oct 2018 15:09

Tgt Ion: 101 Resp: 3664
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.4 77.0





#10

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

Concen: 0.353 ug/L

RT: 2.29 min Scan# 348

Delta R.T. -0.00 min

Lab File: VU027874.D

Acq: 30 Oct 2018 15:09

Instrument :

MSVOA_U

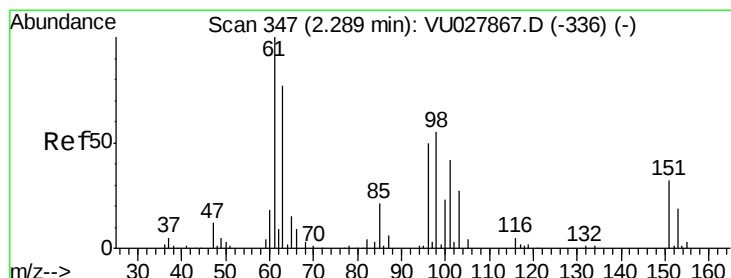
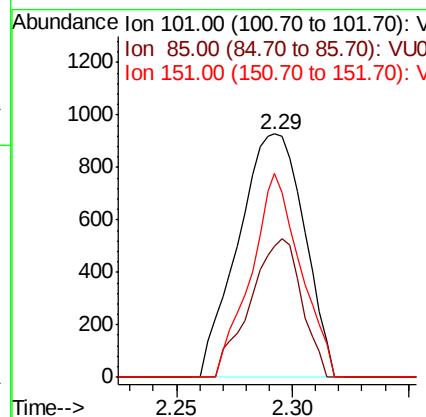
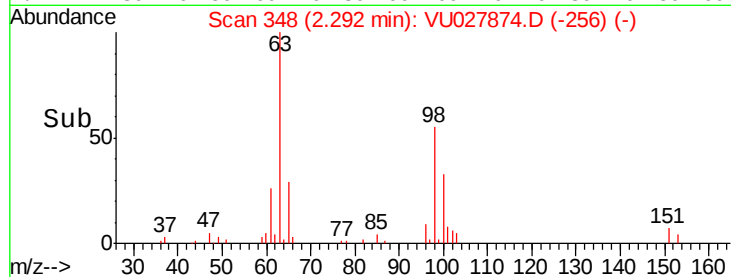
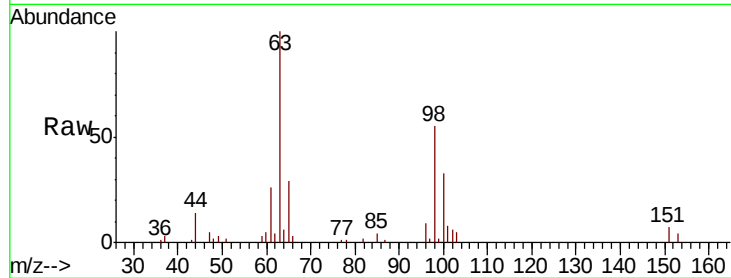
ClientSampled :

MDL03

Tot Ion:	101	Resp:	1834
Ion Ratio	Lower	Upper	
101	100		
85	44.3	37.1	55.7
151	62.8	59.9	89.9

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#12

1,1-Dichloroethene

Concen: 0.363 ug/L

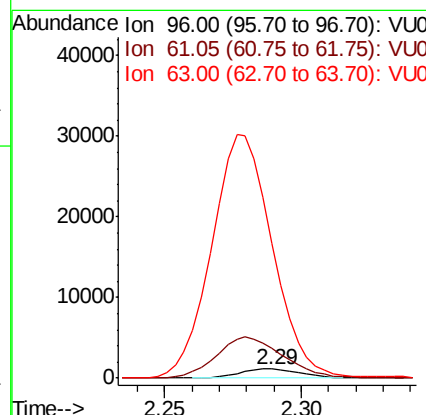
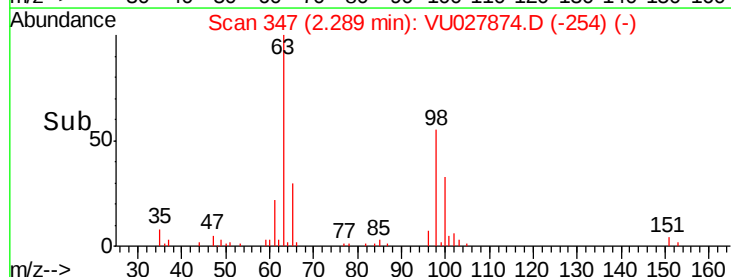
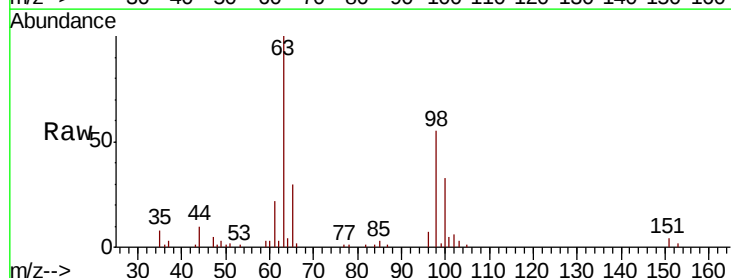
RT: 2.29 min Scan# 347

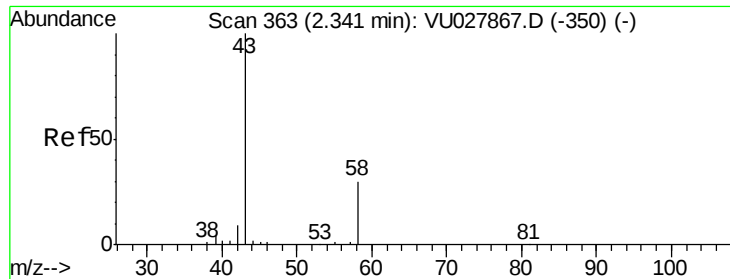
Delta R.T. 0.00 min

Lab File: VU027874.D

Acq: 30 Oct 2018 15:09

Tgt Ion:	96	Resp:	1778
Ion Ratio	Lower	Upper	
96	100		
61	331.0	141.1	262.1#
63	1491.2	113.0	209.9#





#13

Acetone

Concen: 3.512 ug/L

RT: 2.33 min Scan# 359

Delta R.T. -0.01 min

Lab File: VU027874.D

Acq: 30 Oct 2018 15:09

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tot Ion: 43 Resp: 4075

Ion Ratio Lower Upper

43 100

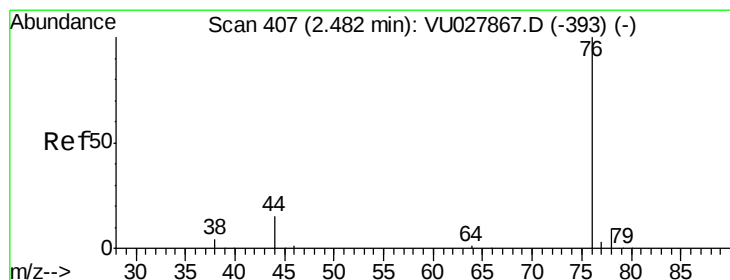
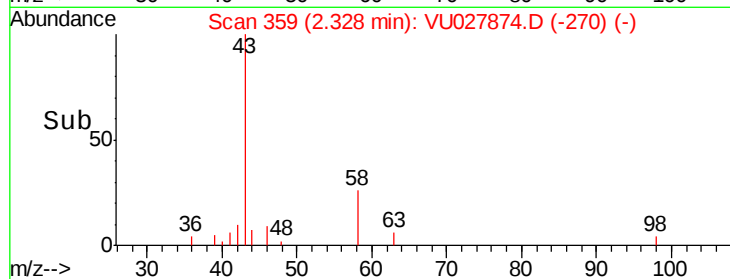
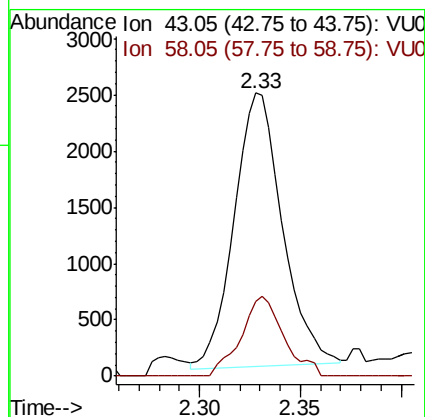
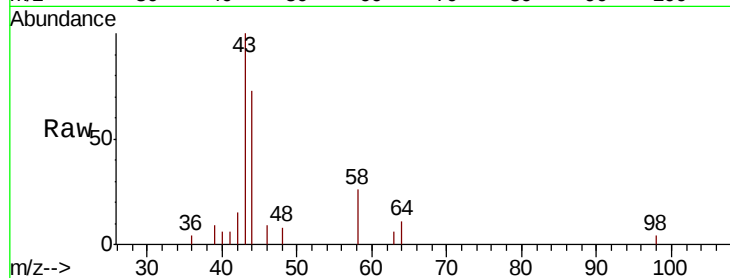
58 25.7 0.0 61.4

Manual Integrations

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11/1/2018 11:15:29 AM



#14

Carbon disulfide

Concen: 0.321 ug/L

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027874.D

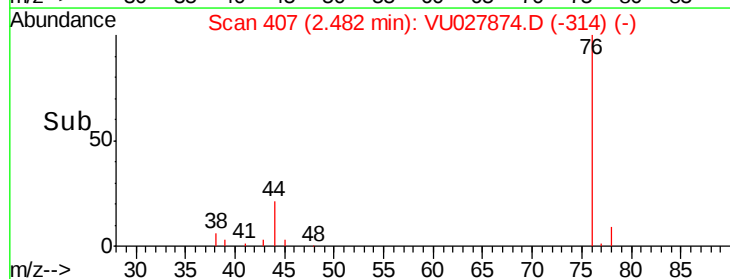
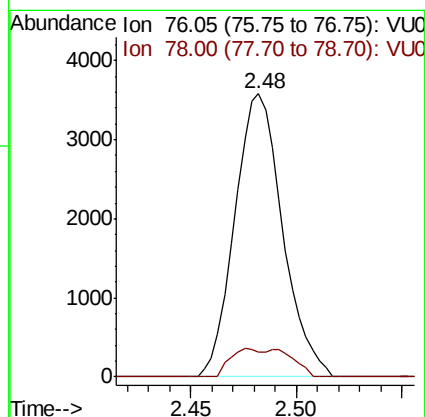
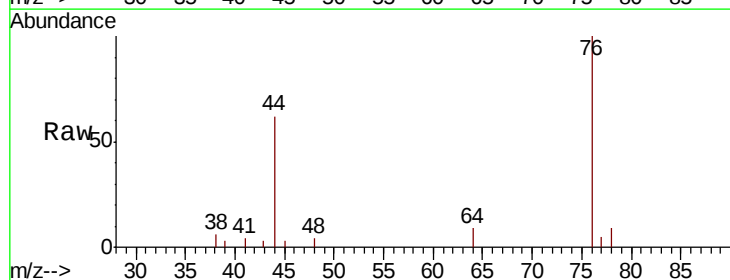
Acq: 30 Oct 2018 15:09

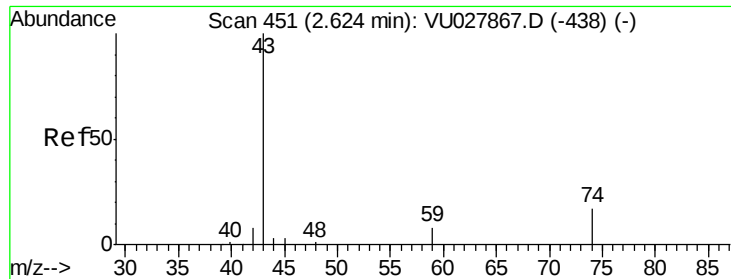
Tgt Ion: 76 Resp: 5630

Ion Ratio Lower Upper

76 100

78 8.7 7.5 11.3





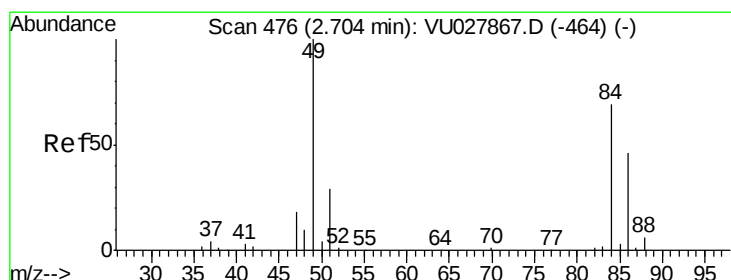
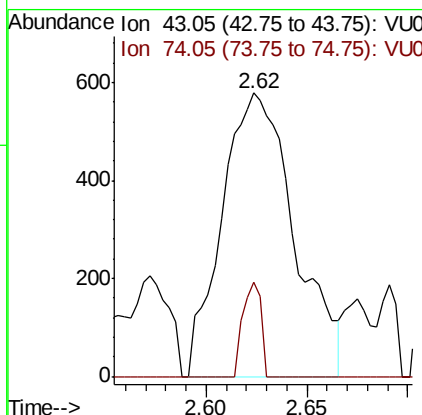
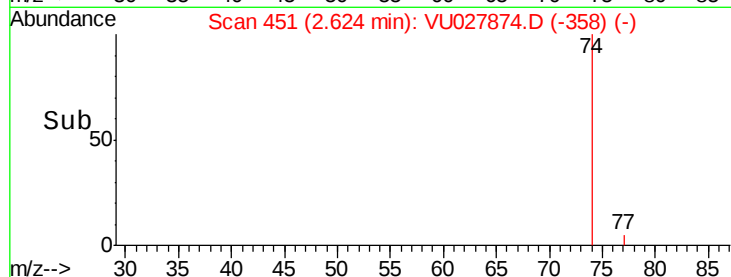
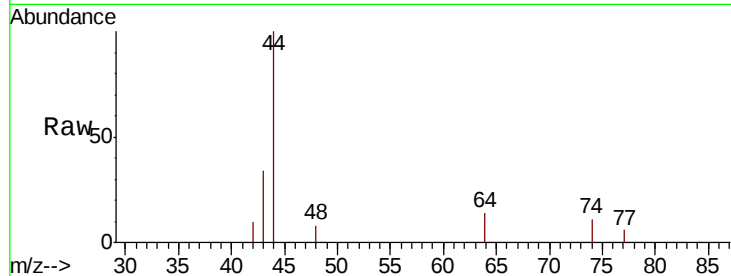
#15
Methyl Acetate
Concen: 0.466 ug/L
RT: 2.62 min Scan# 451
Delta R.T. 0.00 min
Lab File: VU027874.D
Acq: 30 Oct 2018 15:09

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tot Ion: 43 Resp: 1446
Ion Ratio Lower Upper
43 100
74 8.4 14.9 22.3#

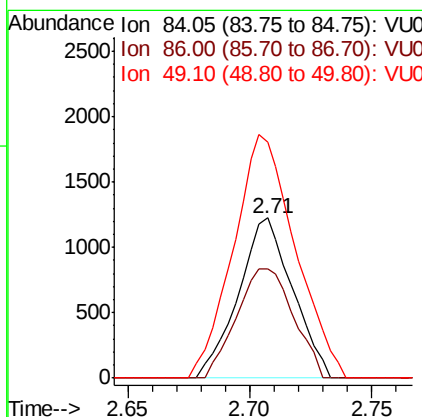
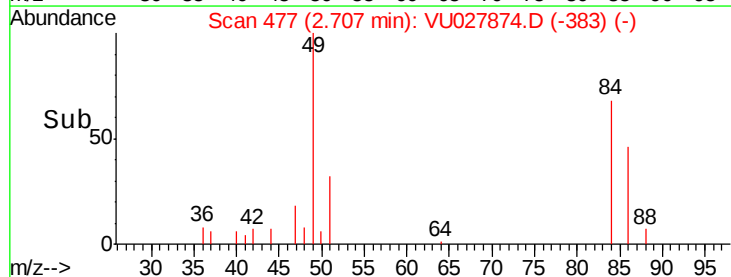
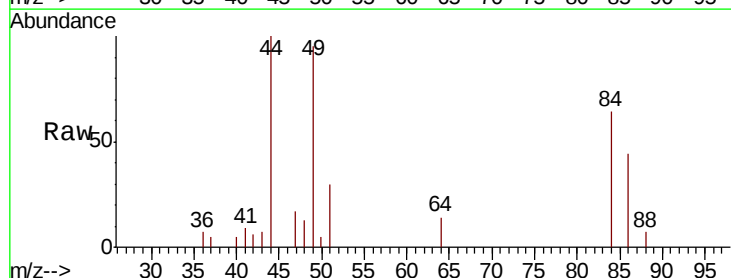
Manual Integrations
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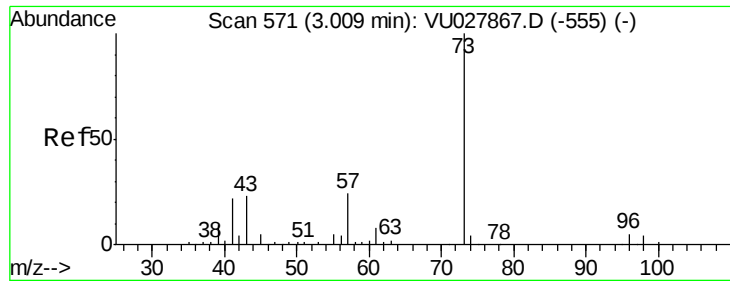
MMDadoda
11/1/2018 11:15:29 AM



#16
Methylene chloride
Concen: 0.341 ug/L
RT: 2.71 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU027874.D
Acq: 30 Oct 2018 15:09

Tgt Ion: 84 Resp: 1879
Ion Ratio Lower Upper
84 100
86 68.5 46.7 86.7
49 147.8 101.3 188.1





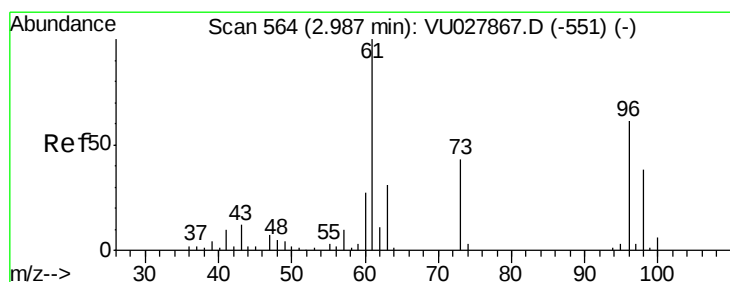
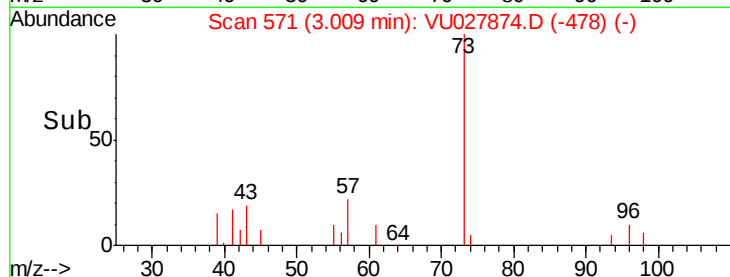
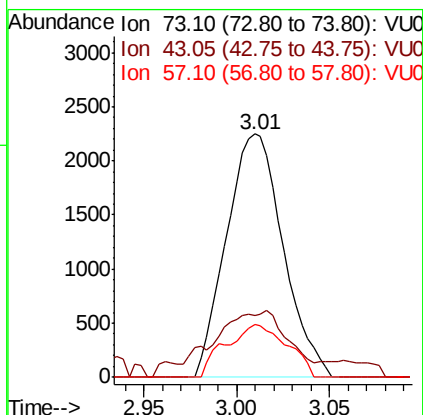
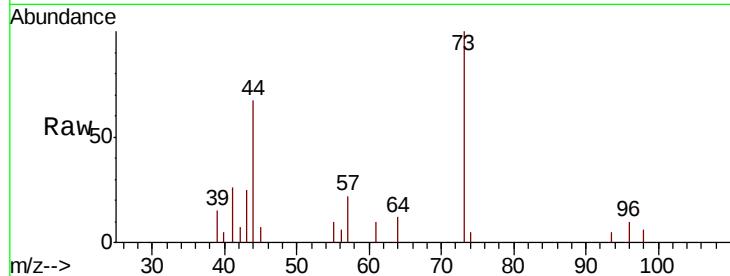
#17
Methvl tert-butvl Ether
Concen: 0.327 ug/L
RT: 3.01 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU027874.D
Acq: 30 Oct 2018 15:09

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
73	100		
43	25.0	18.7	28.1
57	23.4	18.7	28.1

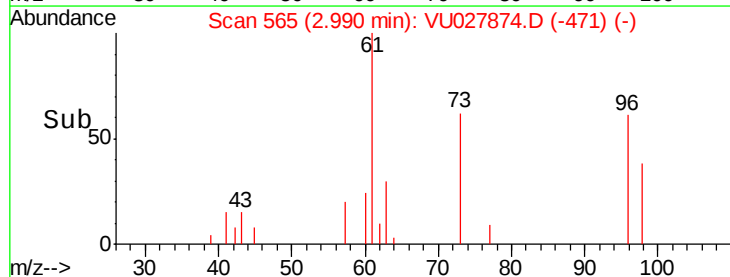
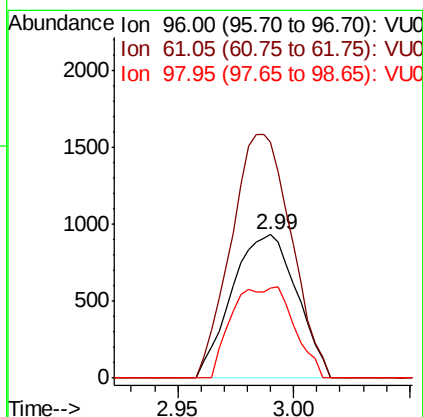
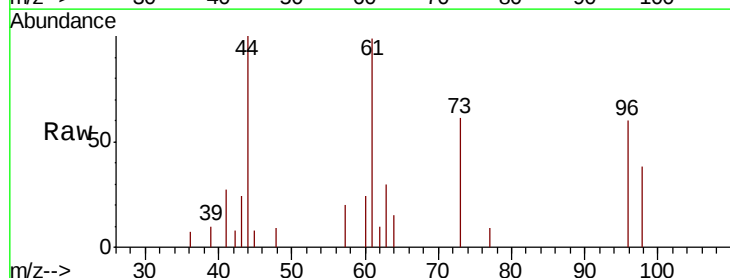
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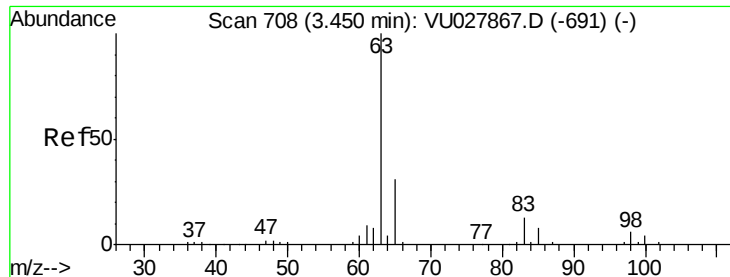
MMDadoda
11/1/2018 11:15:29 AM



#18
trans-1,2-Dichloroethene
Concen: 0.348 ug/L
RT: 2.99 min Scan# 565
Delta R.T. 0.00 min
Lab File: VU027874.D
Acq: 30 Oct 2018 15:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.8	115.2	214.0
98	62.7	44.0	81.8





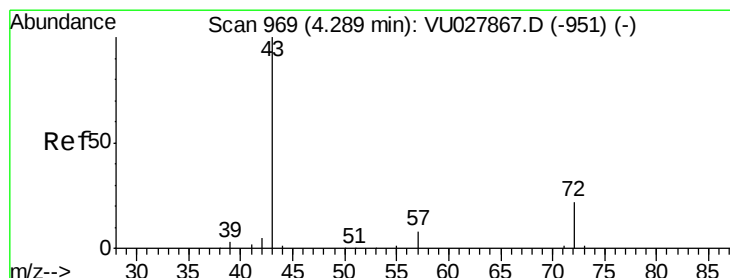
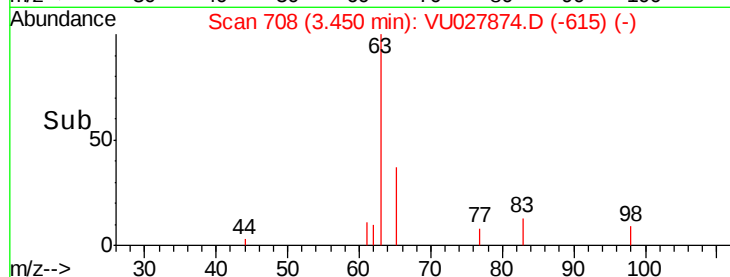
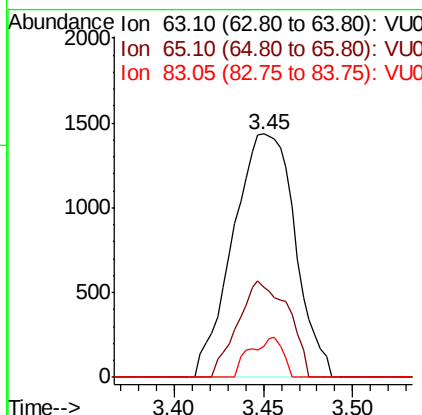
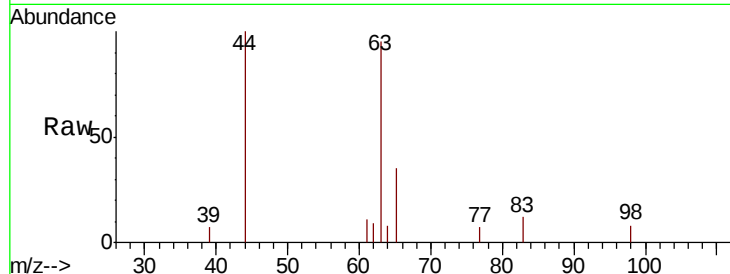
#19
 1,1-Dichloroethane
 Concen: 0.316 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU027874.D
 Acq: 30 Oct 2018 15:09

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
63	100		
65	37.0	21.8	40.4
83	13.0	9.4	17.4

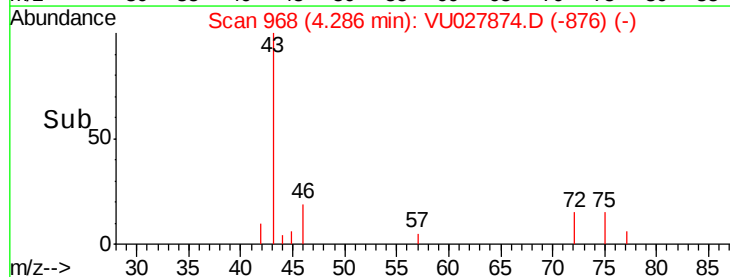
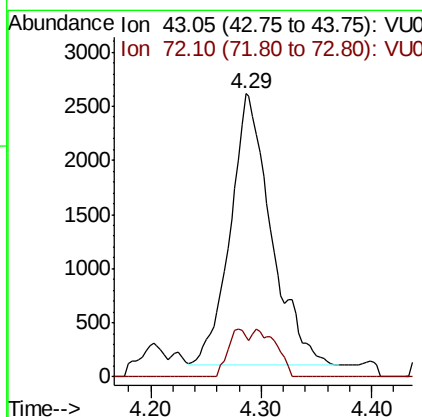
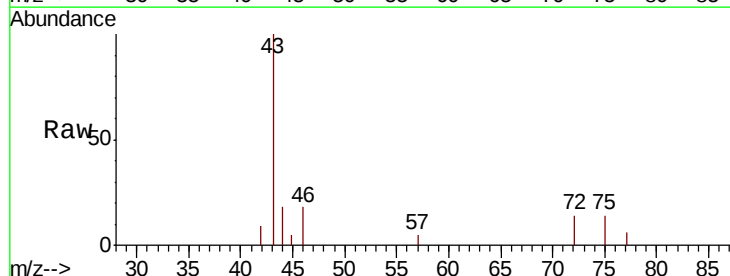
Manual Integrations
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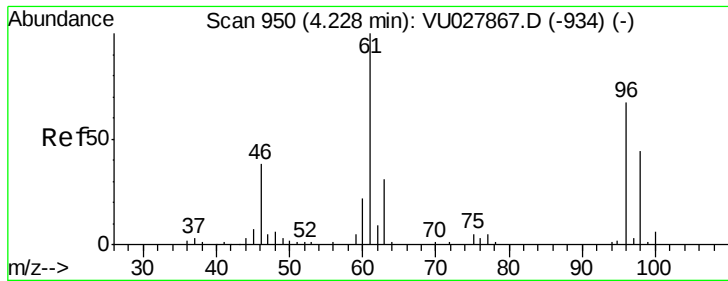
MMDadoda
 11/1/2018 11:15:29 AM



#21
 2-Butanone
 Concen: 3.195 ug/L
 RT: 4.29 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: VU027874.D
 Acq: 30 Oct 2018 15:09

Tgt Ion	Ratio	Lower	Upper
43	100		
72	8.6	10.9	32.9#





#22

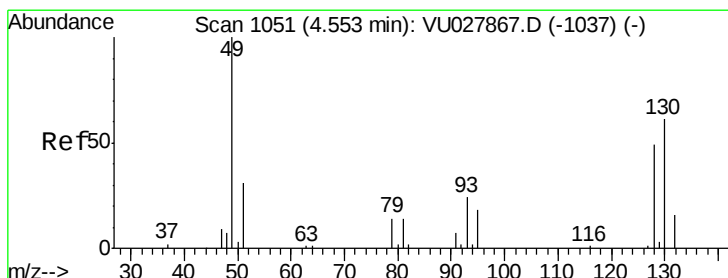
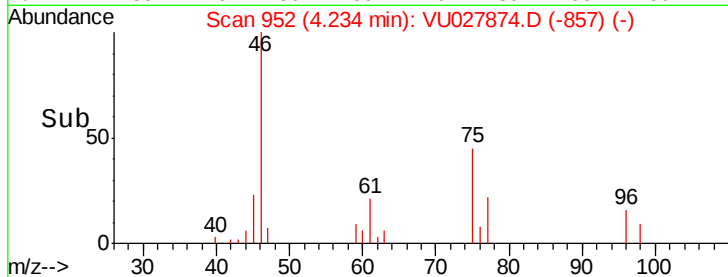
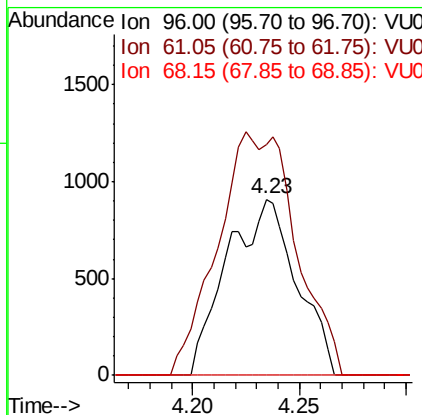
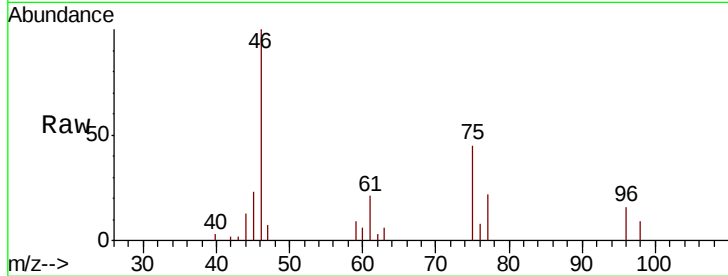
cis-1,2-Dichloroethene
Concen: 0.341 ug/L m
RT: 4.23 min Scan# 952
Delta R.T. 0.01 min
Lab File: VU027874.D
Acq: 30 Oct 2018 15:09

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.3	104.0	193.2
68	0.0	0.0	0.0

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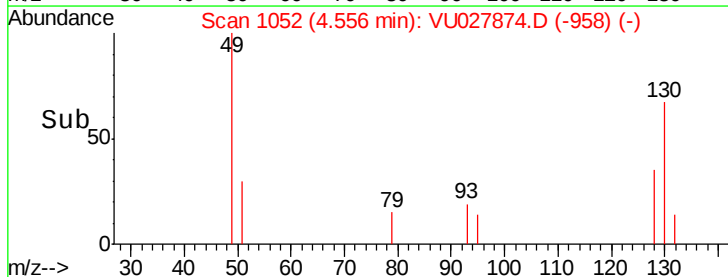
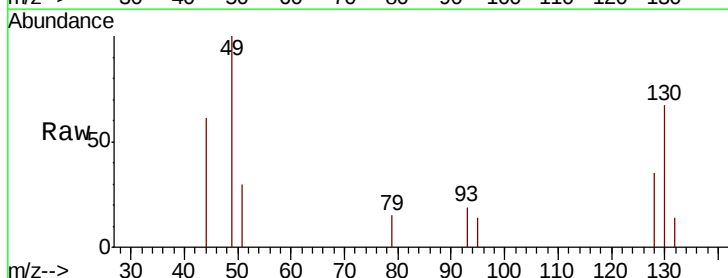
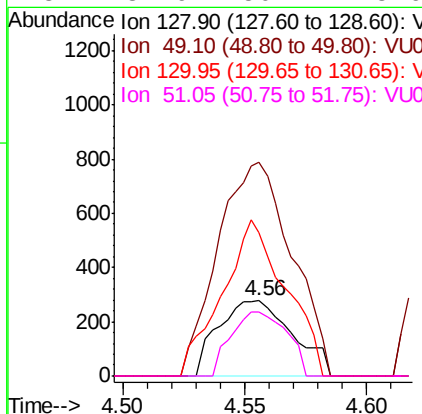
MMDadoda
11/1/2018 11:15:29 AM

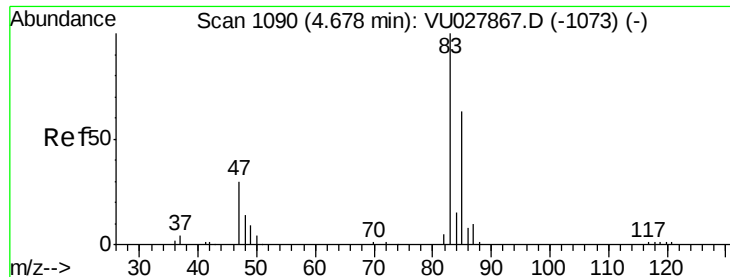


#23

Bromochloromethane
Concen: 0.235 ug/L
RT: 4.56 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VU027874.D
Acq: 30 Oct 2018 15:09

Tgt Ion	Ratio	Lower	Upper
128	100		
49	283.5	142.0	263.8#
130	191.0	86.1	159.9#
51	84.9	50.4	75.6#





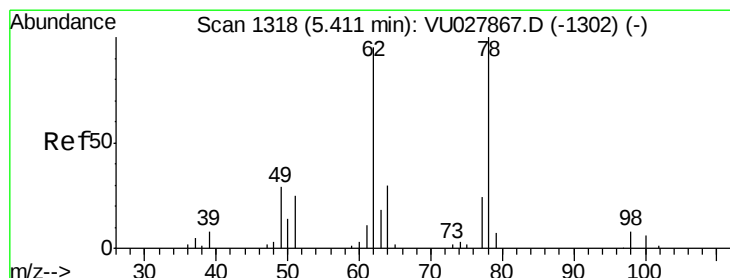
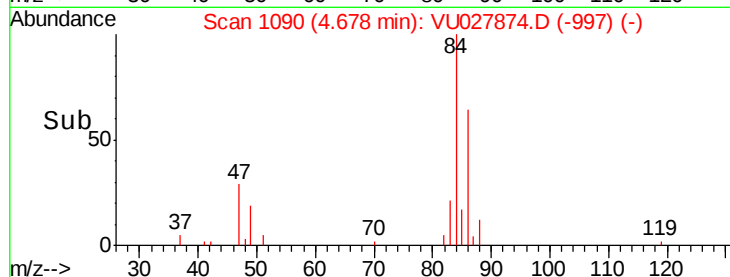
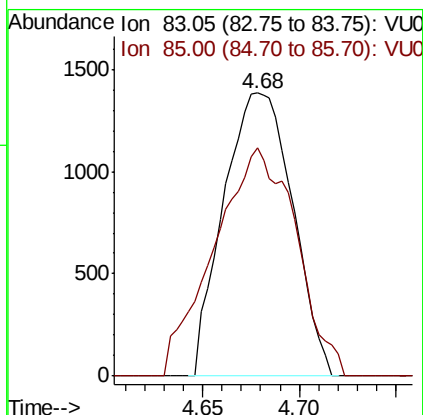
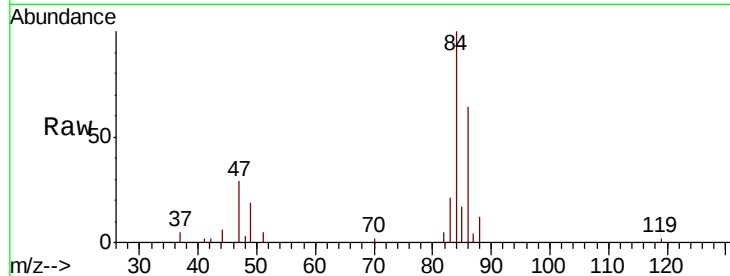
#25
Chloroform
Concen: 0.307 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027874.D
Acq: 30 Oct 2018 15:09

Instrument :
MSVOA_U
ClientSampled :
MDL03

Tot Ion: 83 Resp: 3429
Ion Ratio Lower Upper
83 100
85 80.6 44.0 81.8

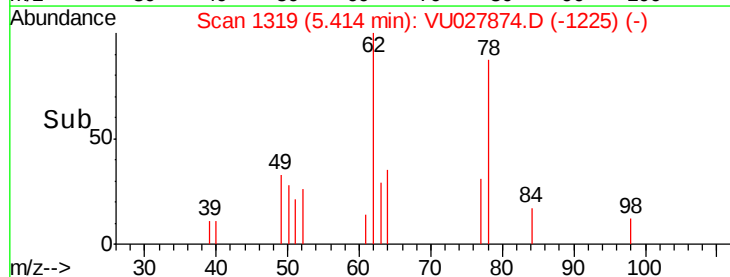
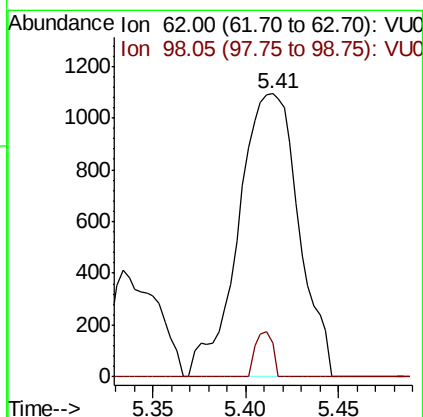
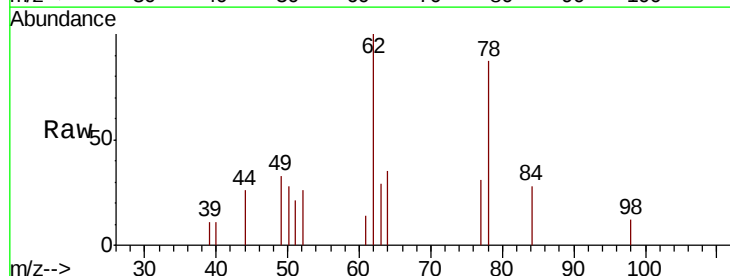
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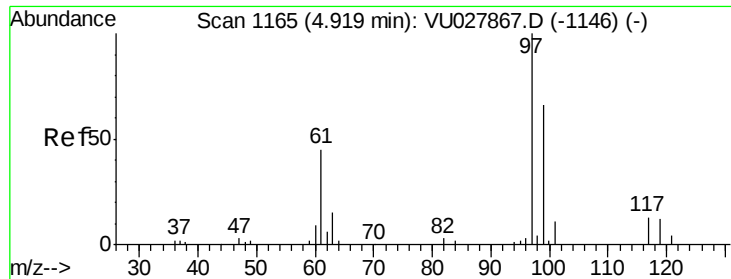
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#27
1,2-Dichloroethane
Concen: 0.319 ug/L
RT: 5.41 min Scan# 1319
Delta R.T. 0.00 min
Lab File: VU027874.D
Acq: 30 Oct 2018 15:09

Tgt Ion: 62 Resp: 2484
Ion Ratio Lower Upper
62 100
98 12.1 6.3 9.5#





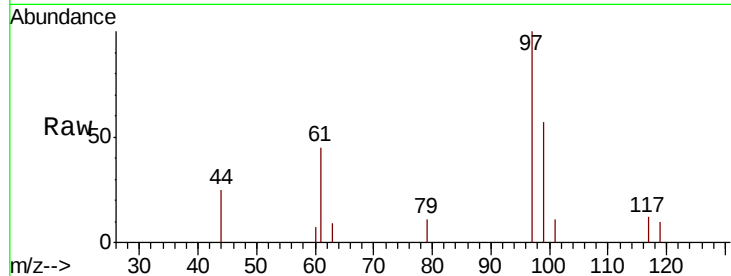
#29
1,1,1-Trichloroethane
Concen: 0.317 ug/L
RT: 4.92 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VU027874.D
Acq: 30 Oct 2018 15:09

Instrument :
MSVOA_U
ClientSampleId :
MDL03

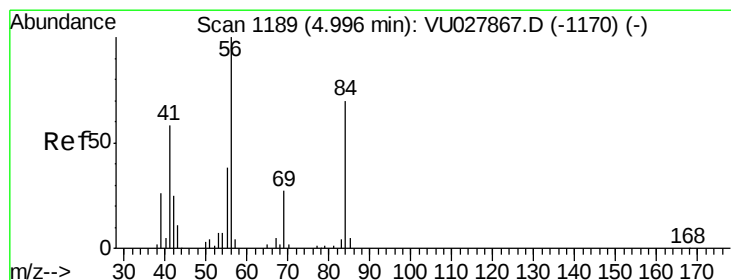
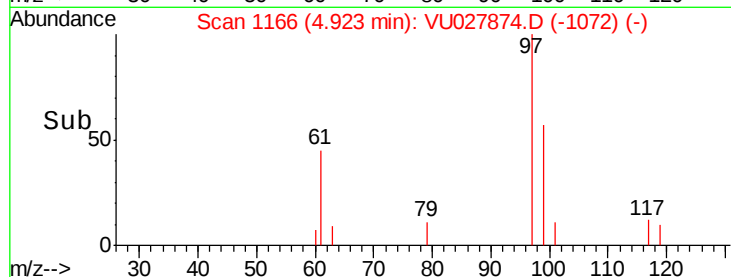
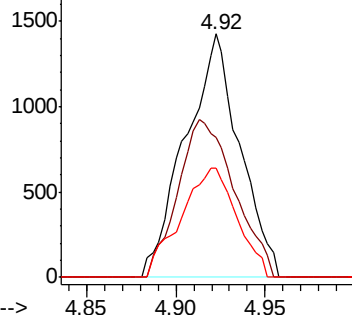
Tot Ion	Ratio	Lower	Upper
97	100		
99	67.3	50.6	76.0
61	46.1	35.8	53.6

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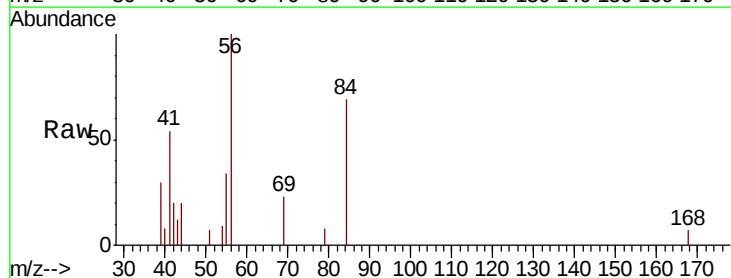


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

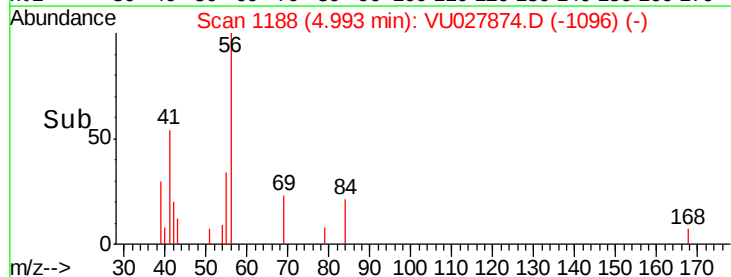
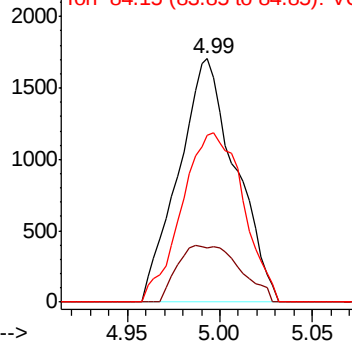


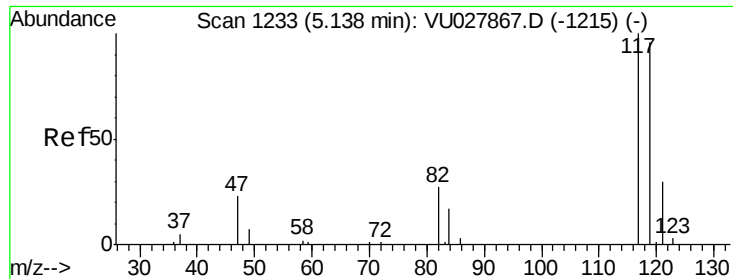
#30
Cyclohexane
Concen: 0.324 ug/L
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU027874.D
Acq: 30 Oct 2018 15:09

Tgt Ion	Ratio	Lower	Upper
56	100		
69	25.5	22.7	34.1
84	74.8	58.1	87.1



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: 0.325 ug/L

RT: 5.13 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VU027874.D

Acq: 30 Oct 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tot Ion:117 Resp: 2676

Ion Ratio Lower Upper

117 100

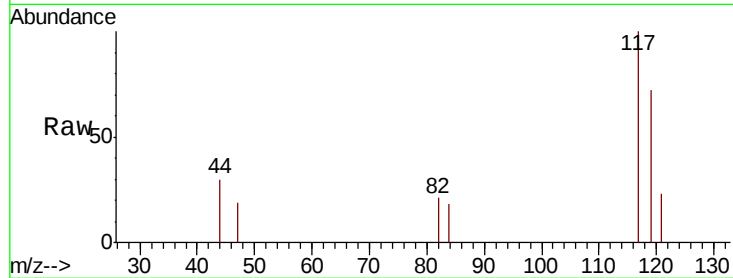
119 91.3 77.1 115.7

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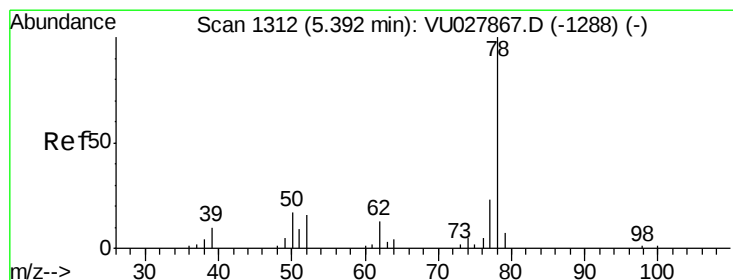
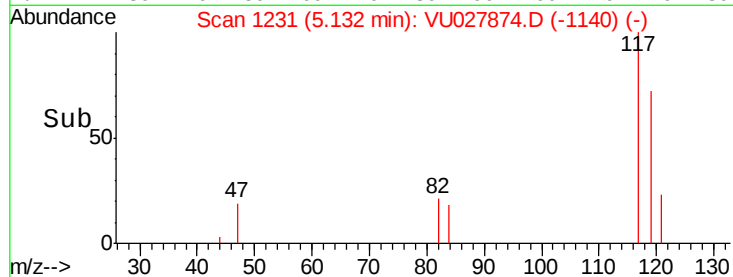
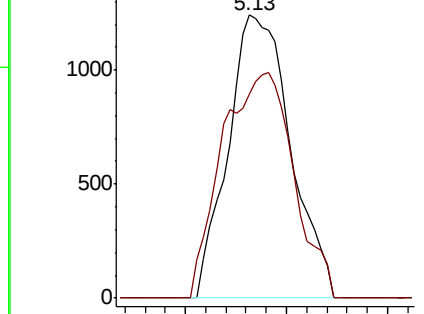
MMDadoda

11/1/2018 11:15:29 AM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.333 ug/L

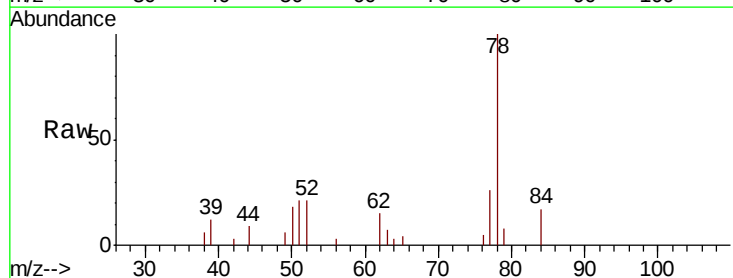
RT: 5.40 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU027874.D

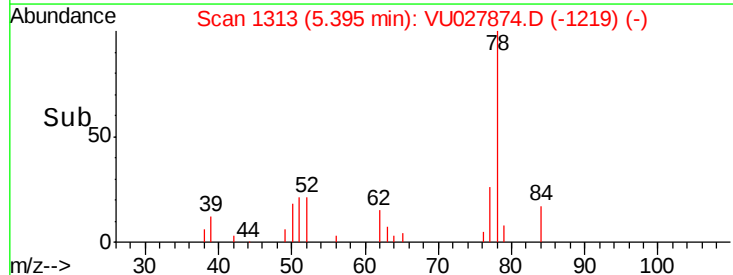
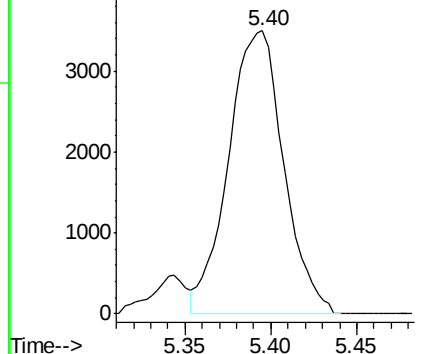
Acq: 30 Oct 2018 15:09

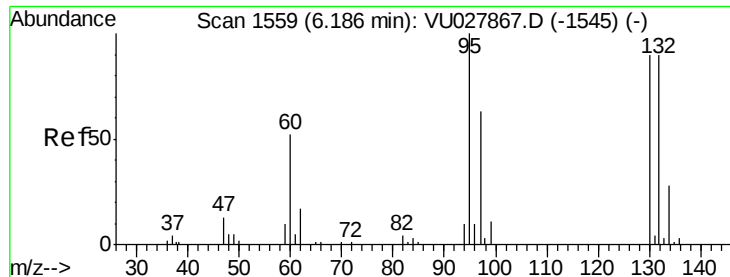
Tgt Ion: 78 Resp: 7842



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 78.10 (77.80 to 78.80): VU0





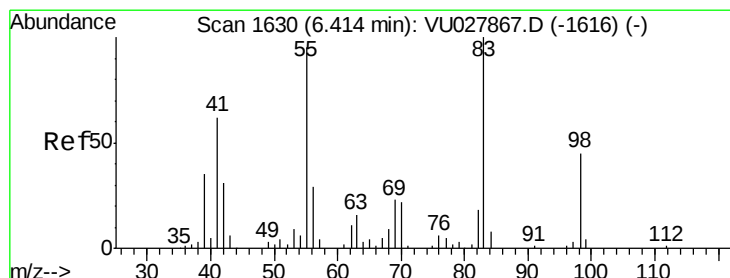
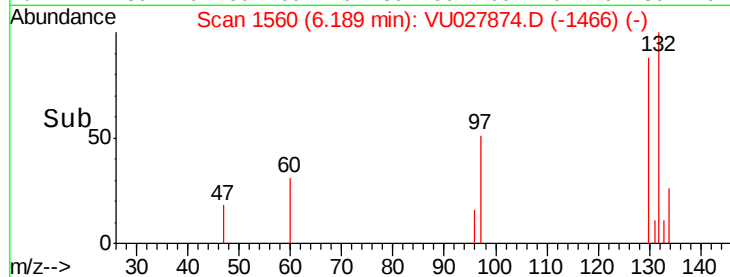
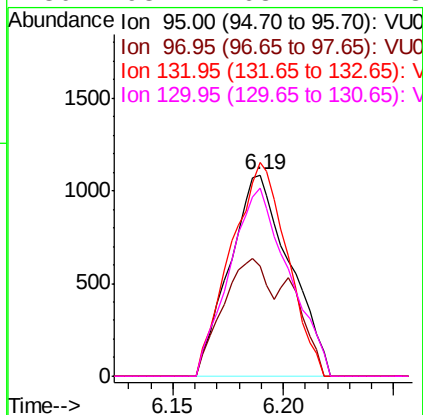
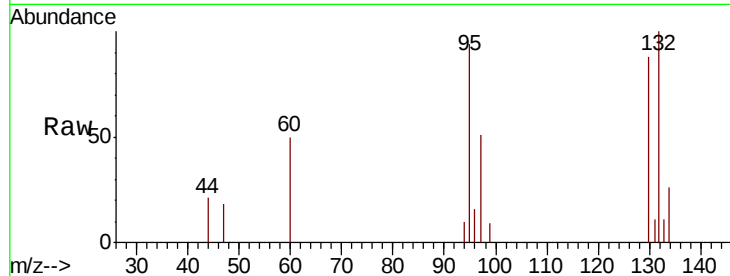
#34
 Trichloroethene
 Concen: 0.335 ug/L
 RT: 6.19 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VU027874.D
 Acq: 30 Oct 2018 15:09

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL03

Tot Ion:	95	Resp:	2049
Ion	Ratio	Lower	Upper
95	100		
97	54.4	44.0	81.6
132	106.1	63.3	117.5
130	93.2	63.1	117.3

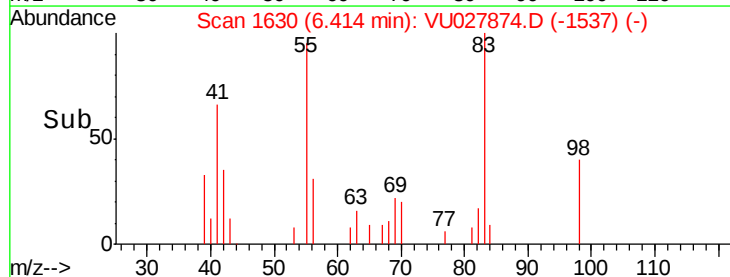
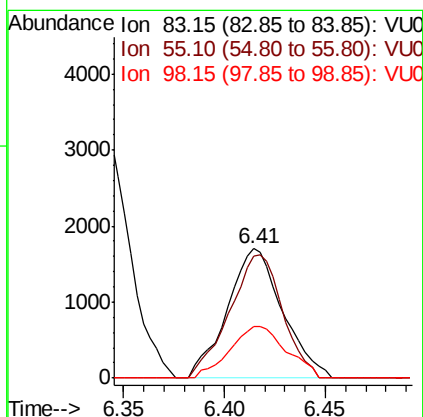
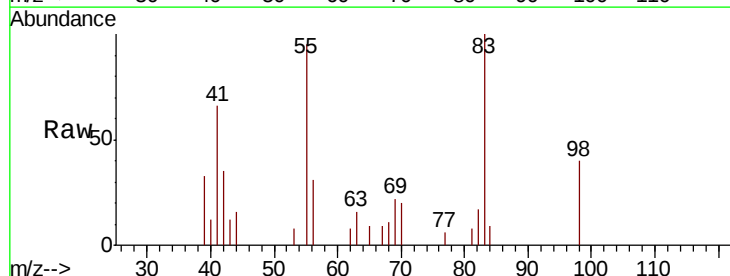
Manual Integrations
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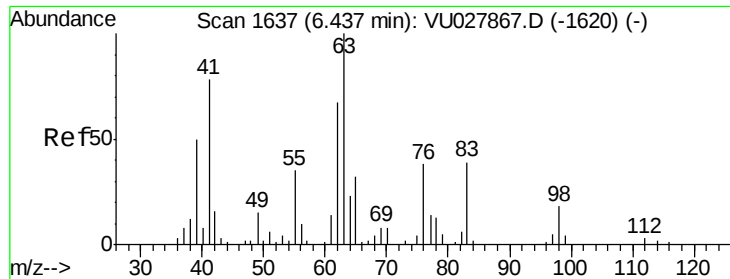
MMDadoda
 11/1/2018 11:15:29 AM



#35
 Methylcyclohexane
 Concen: 0.313 ug/L
 RT: 6.41 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU027874.D
 Acq: 30 Oct 2018 15:09

Tgt Ion:	83	Resp:	3259
Ion	Ratio	Lower	Upper
83	100		
55	91.3	73.4	110.0
98	40.7	35.3	52.9





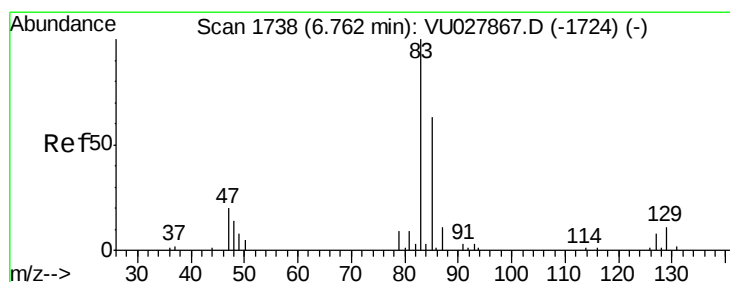
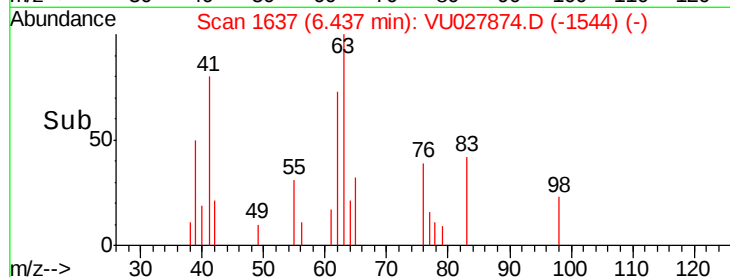
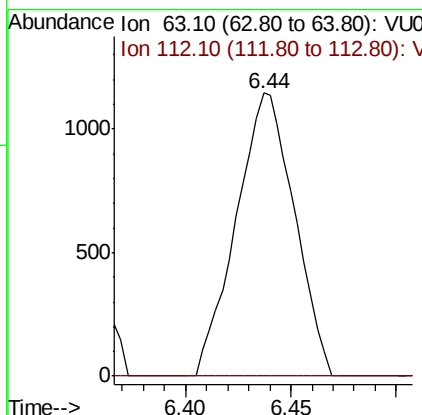
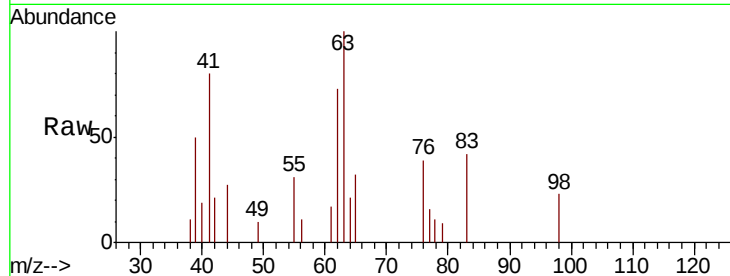
#37
 1,2-Dichloropropane
 Concen: 0.328 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027874.D
 Acq: 30 Oct 2018 15:09

Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

Tot Ion: 63 Resp: 2196
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 3.8#

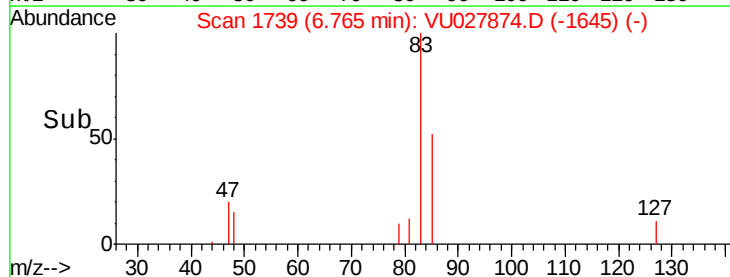
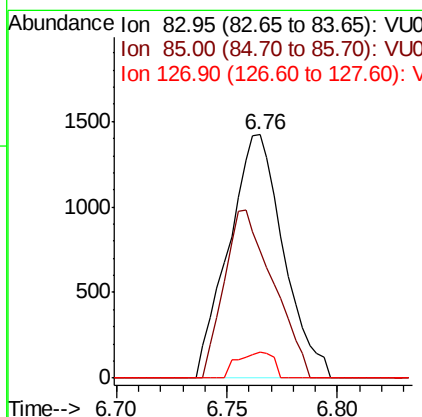
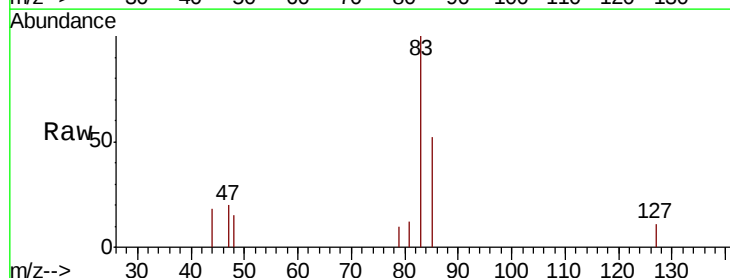
Manual Integrations
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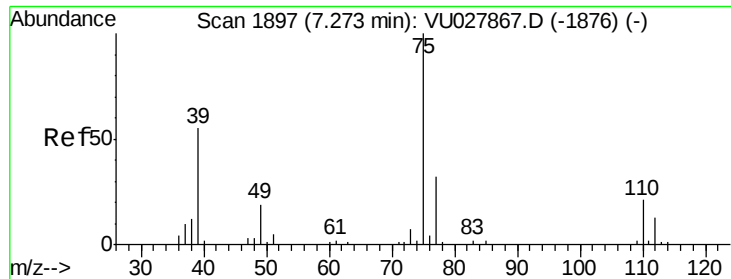
MMDadoda
 11/1/2018 11:15:29 AM



#38
 Bromodichloromethane
 Concen: 0.312 ug/L
 RT: 6.76 min Scan# 1739
 Delta R.T. 0.00 min
 Lab File: VU027874.D
 Acq: 30 Oct 2018 15:09

Tgt Ion: 83 Resp: 2447
 Ion Ratio Lower Upper
 83 100
 85 52.4 43.8 81.4
 127 10.9 6.4 9.6#





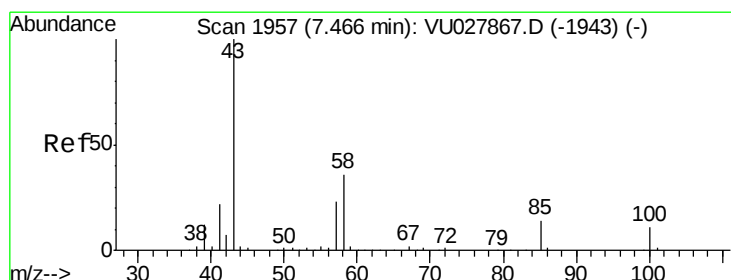
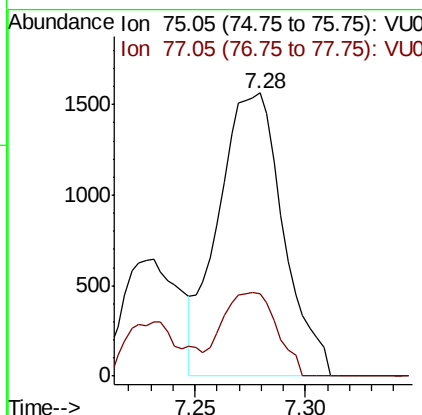
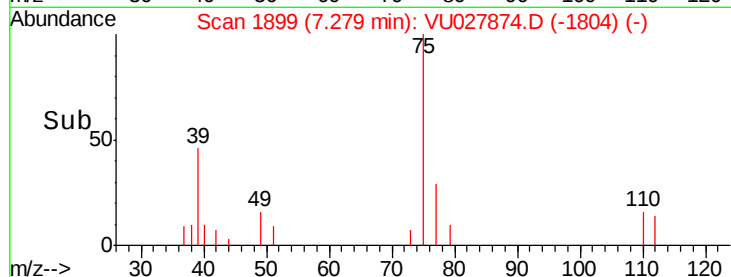
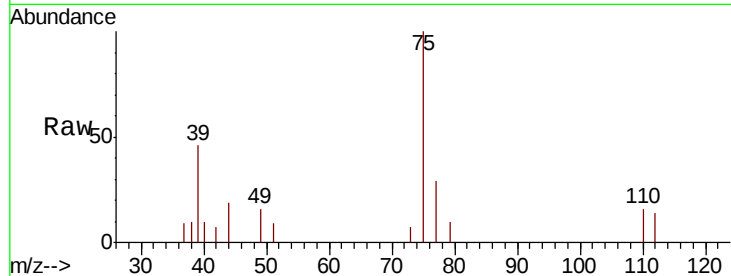
#39
 cis-1,3-Dichloropropene
 Concen: 0.333 ug/L
 RT: 7.28 min Scan# 1899
 Delta R.T. 0.01 min
 Lab File: VU027874.D
 Acq: 30 Oct 2018 15:09

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.1	22.2	41.2

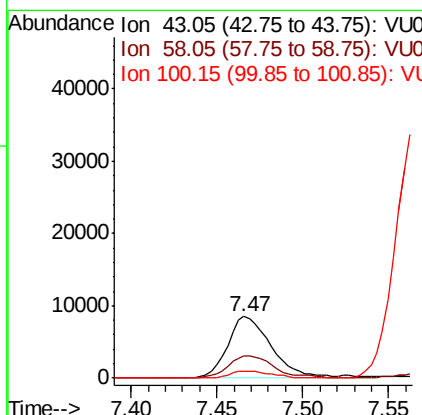
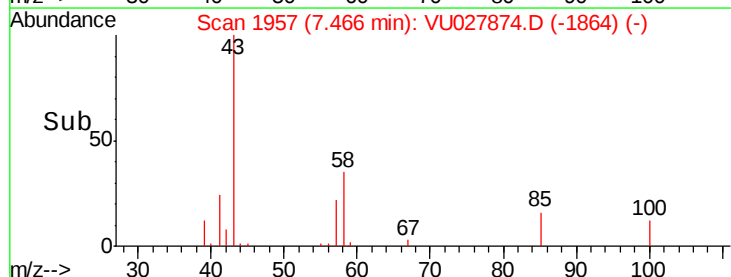
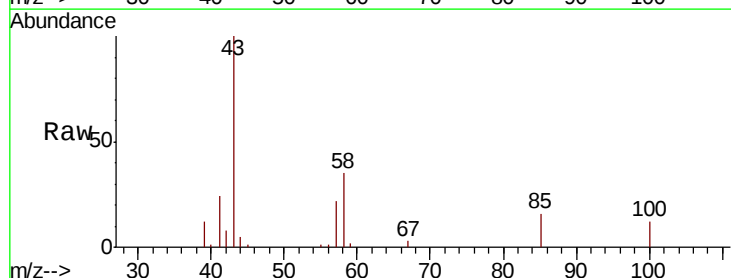
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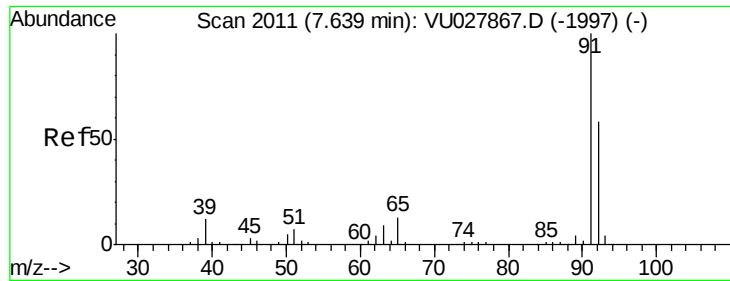
MMDadoda
 11/1/2018 11:15:29 AM



#40
 4-Methyl-2-pentanone
 Concen: 3.197 ug/L
 RT: 7.47 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU027874.D
 Acq: 30 Oct 2018 15:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.7	28.5	42.7
100	0.0	8.8	13.2#





#42

Toluene

Concen: 0.340 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027874.D

Acq: 30 Oct 2018 15:09

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tot Ion: 91 Resp: 8360

Ion Ratio Lower Upper

91 100

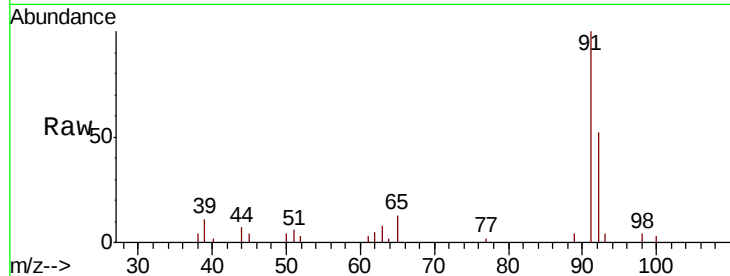
92 52.2 40.3 74.9

Manual Integrations

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MMDadoda

11/1/2018 11:15:29 AM



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.64

5000

4000

3000

2000

1000

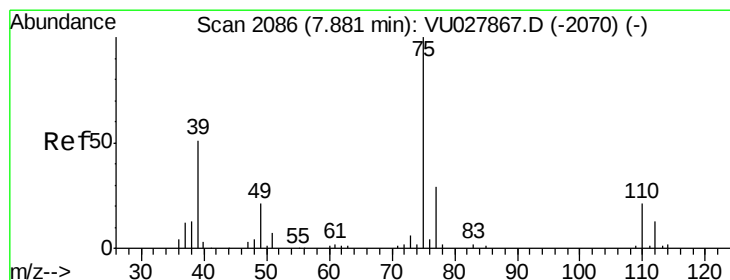
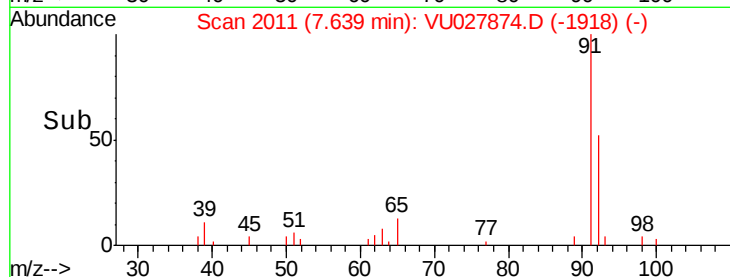
0

7.60

7.65

7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.371 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027874.D

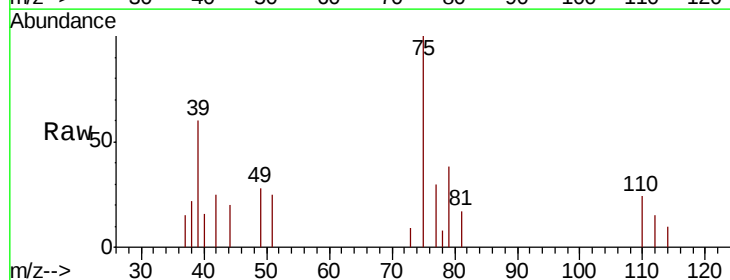
Acq: 30 Oct 2018 15:09

Tgt Ion: 75 Resp: 3055

Ion Ratio Lower Upper

75 100

77 29.6 20.5 38.1



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.88

1000

500

0

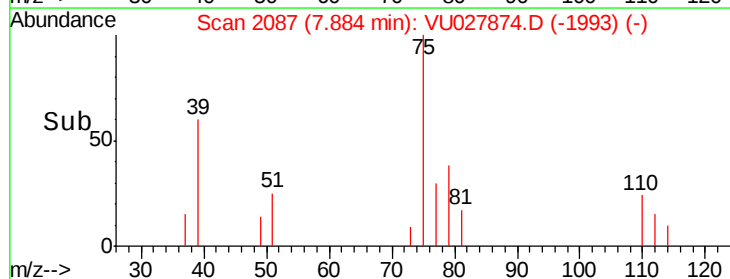
7.80

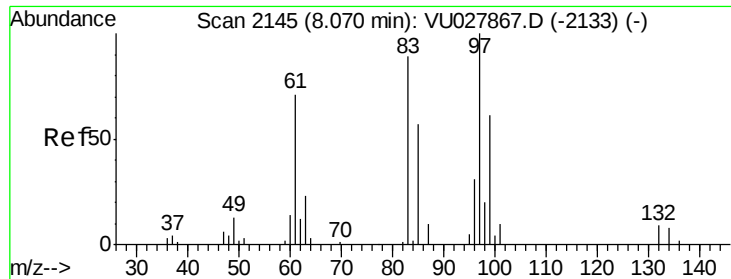
7.85

7.90

7.95

Time-->





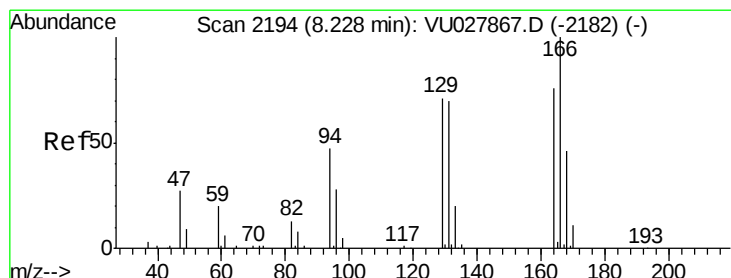
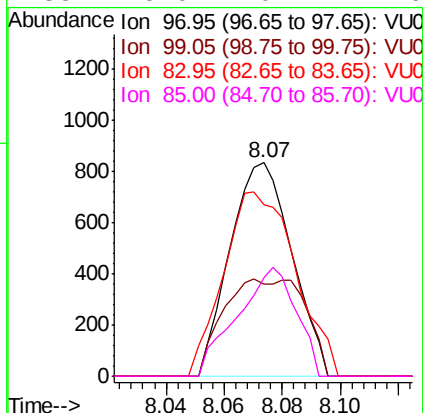
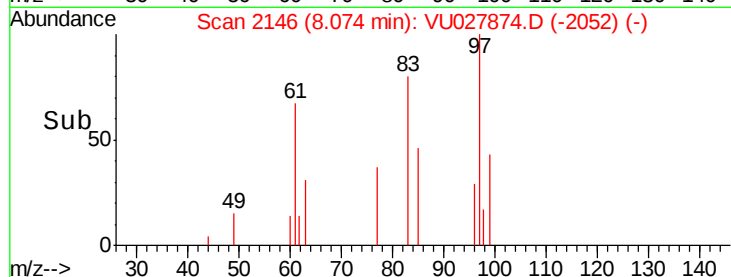
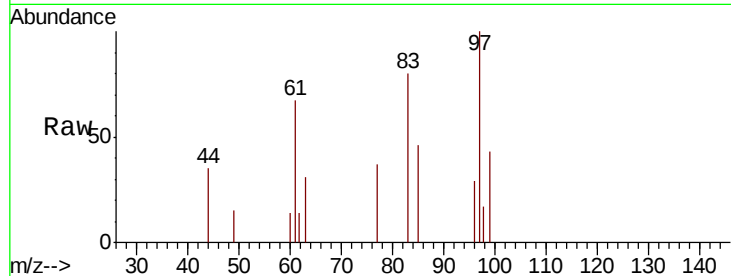
#45
1,1,2-Trichloroethane
Concen: 0.300 ug/L
RT: 8.07 min Scan# 2146
Delta R.T. 0.00 min
Lab File: VU027874.D
Acq: 30 Oct 2018 15:09

Instrument :
MSVOA_U
ClientSampled :
MDL03

Tot Ion:	97	Resp:	1236
Ion	Ratio	Lower	Upper
97	100		
99	43.1	42.9	79.7
83	80.4	62.2	115.6
85	46.0	40.2	74.6

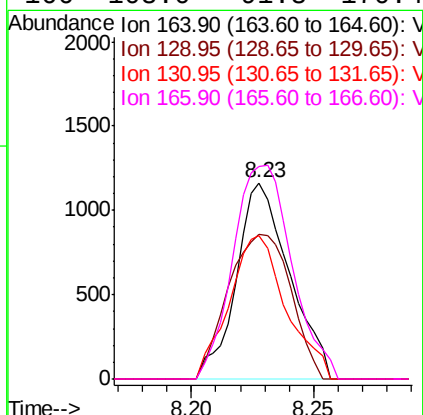
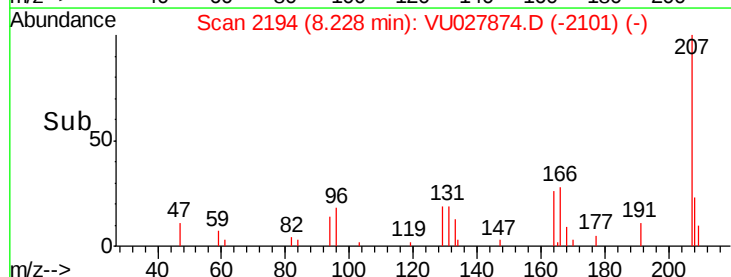
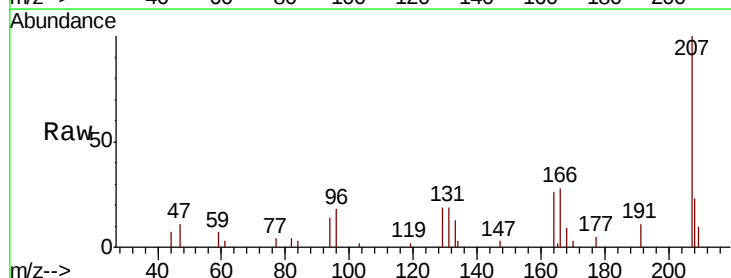
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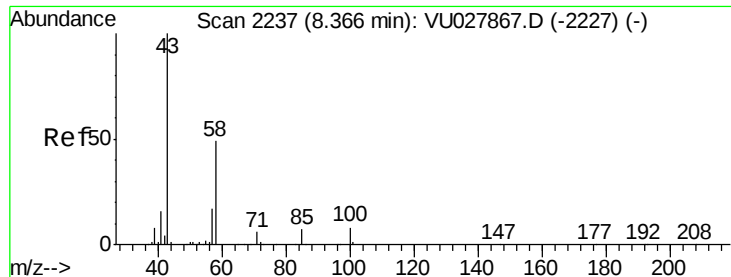
MMDadoda
11/1/2018 11:15:29 AM



#47
Tetrachloroethene
Concen: 0.372 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027874.D
Acq: 30 Oct 2018 15:09

Tgt Ion:	164	Resp:	1748
Ion	Ratio	Lower	Upper
164	100		
129	73.5	64.9	120.5
131	72.8	64.3	119.5
166	108.0	91.8	170.4





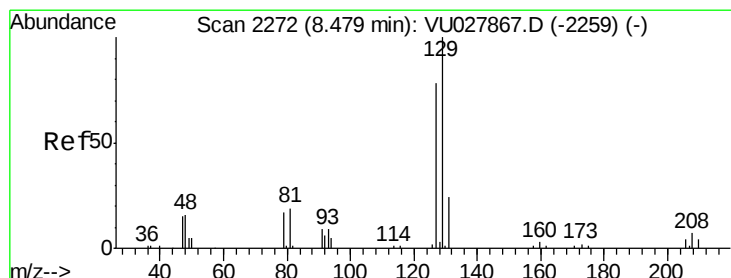
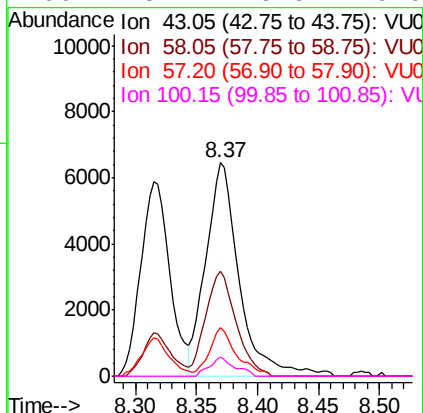
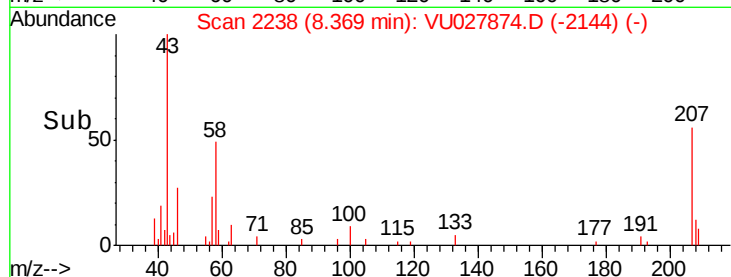
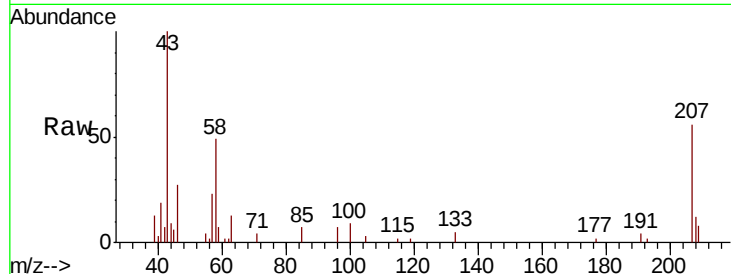
#48
2-Hexanone
Concen: 3.626 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VU027874.D
Acq: 30 Oct 2018 15:09

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tot Ion:	43	Resp:	12375
Ion Ratio	Lower	Upper	
43	100		
58	44.5	38.9	58.3
57	18.4	13.3	19.9
100	6.7	6.6	10.0

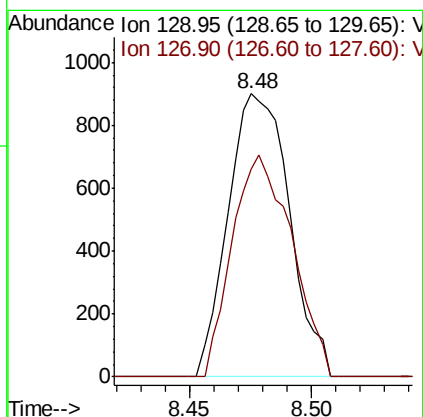
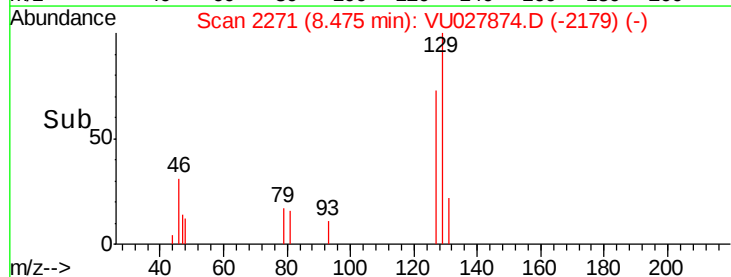
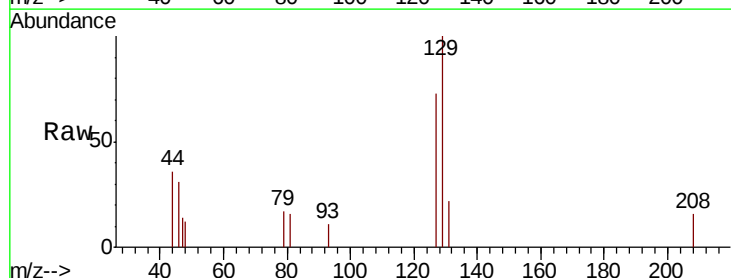
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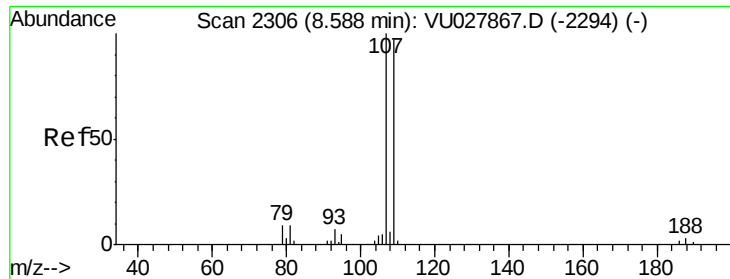
MMDadoda
11/1/2018 11:15:29 AM



#49
Dibromochloromethane
Concen: 0.315 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU027874.D
Acq: 30 Oct 2018 15:09

Tgt Ion:	129	Resp:	1568
Ion Ratio	Lower	Upper	
129	100		
127	73.3	54.5	101.1





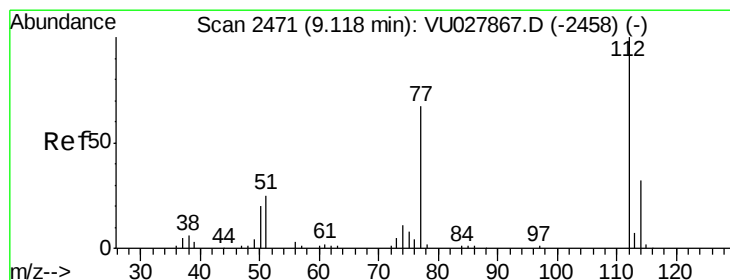
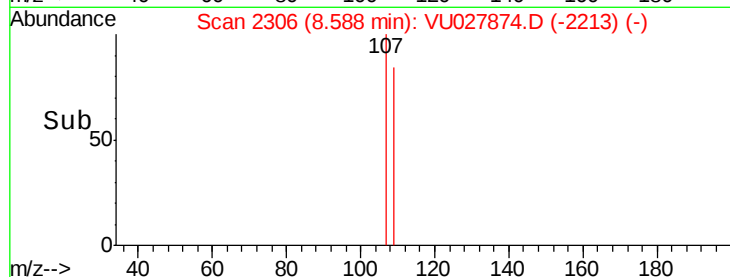
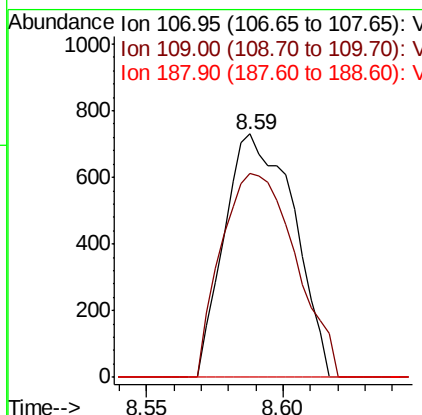
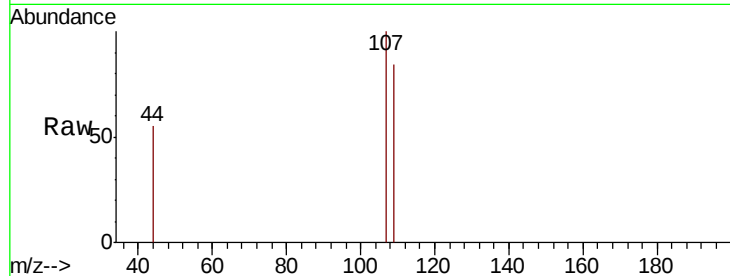
#50
1,2-Dibromoethane
Concen: 0.327 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027874.D
Acq: 30 Oct 2018 15:09

Instrument :
MSVOA_U
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
107	100		
109	83.7	68.0	126.4
188	0.0	2.7	4.1#

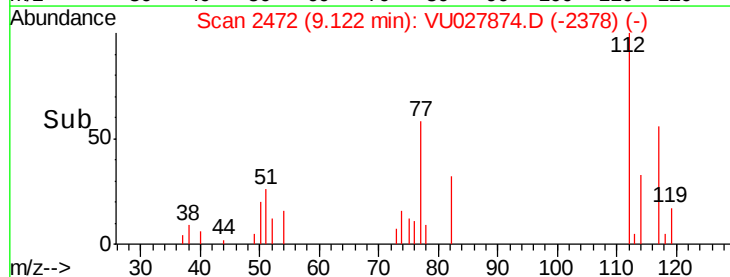
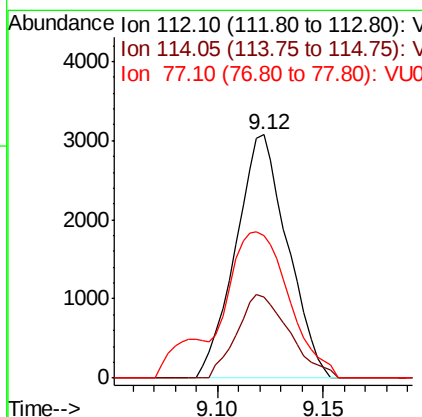
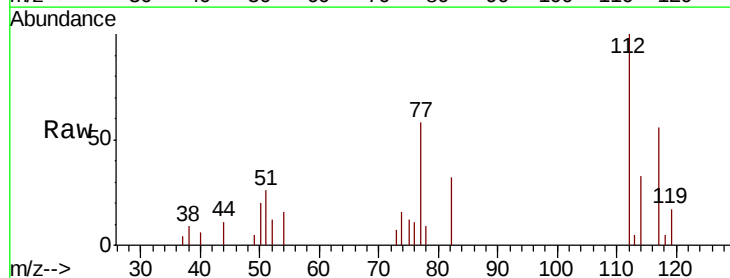
Manual Integrations
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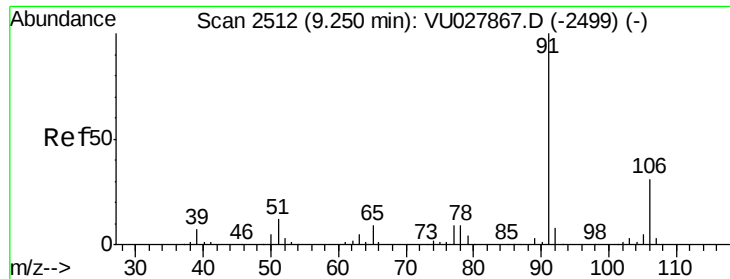
MMDadoda
11/1/2018 11:15:29 AM



#51
Chlorobenzene
Concen: 0.343 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027874.D
Acq: 30 Oct 2018 15:09

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.2	22.0	41.0
77	58.4	54.3	81.5





#52

Ethylbenzene

Concen: 0.318 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027874.D

Acq: 30 Oct 2018 15:09

Tot Ion: 91 Resp: 8920

Ion Ratio Lower Upper

91 100

106 31.1 21.5 39.9

Instrument :

MSVOA_U

ClientSampleId :

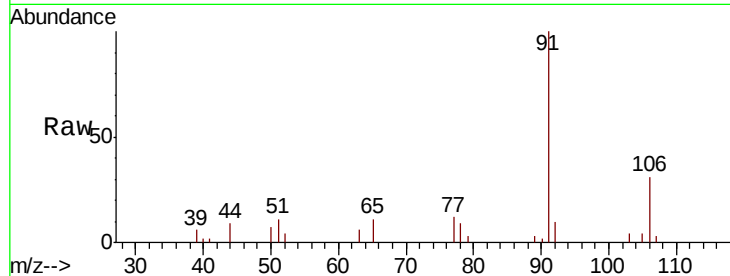
MDL03

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Abundance Ion 91.15 (90.85 to 91.85): VU027867.D (-2499) (-)

Ion 106.15 (105.85 to 106.85): VU027867.D (-2499) (-)

6000

5000

4000

3000

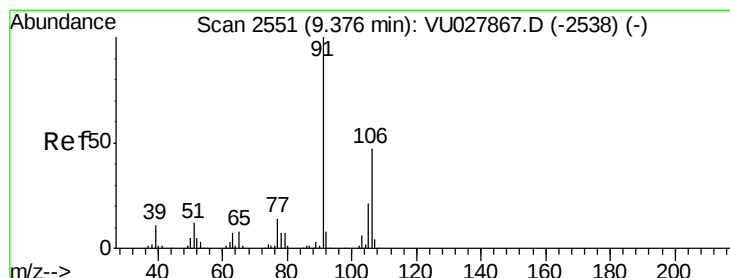
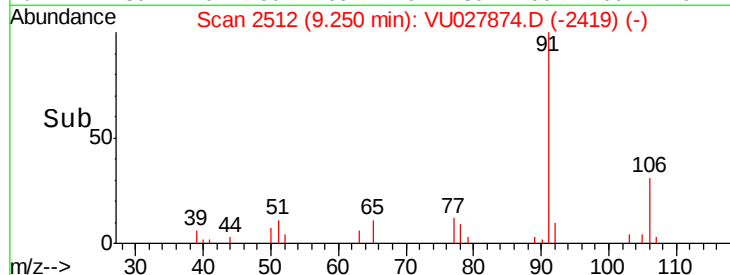
2000

1000

0

9.20 9.25 9.30

Time-->



#53

m,p-xylene

Concen: 0.306 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU027874.D

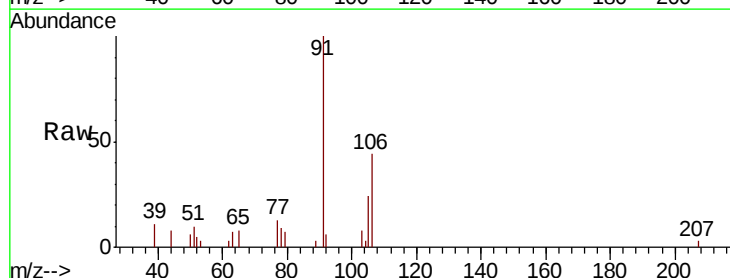
Acq: 30 Oct 2018 15:09

Tgt Ion: 106 Resp: 3118

Ion Ratio Lower Upper

106 100

91 229.7 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): VU027867.D (-2538) (-)

Ion 91.15 (90.85 to 91.85): VU027867.D (-2538) (-)

5000

4000

3000

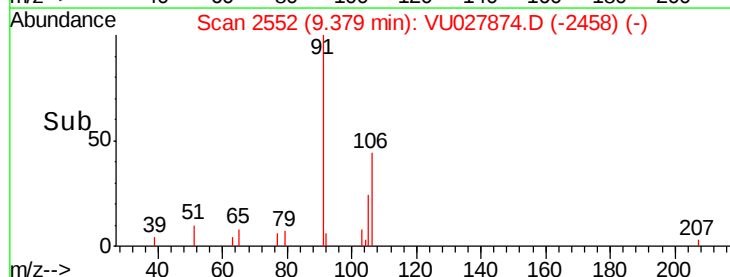
2000

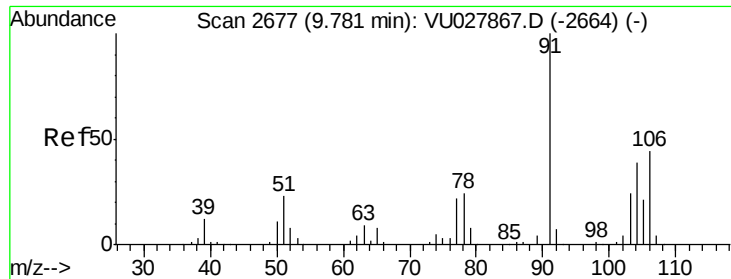
1000

0

9.35 9.40

Time-->





#54

o-xylene

Concen: 0.306 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU027874.D

Acq: 30 Oct 2018 15:09

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tot Ion:106 Resp: 3056

Ion Ratio Lower Upper

106 100

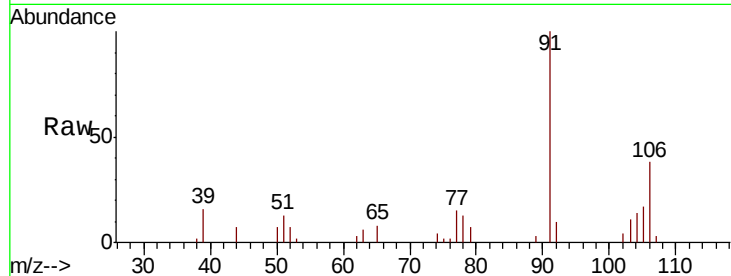
91 263.1 158.3 293.9

Manual Integrations

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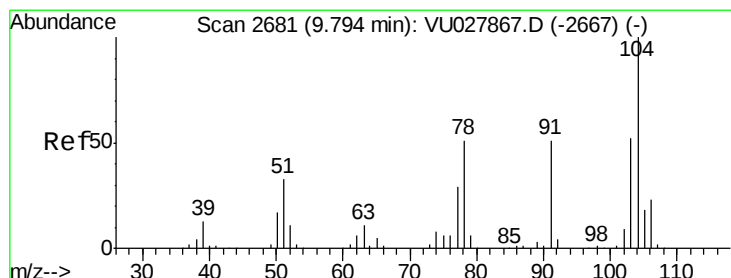
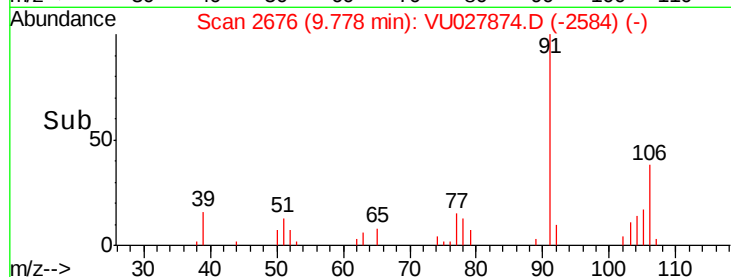
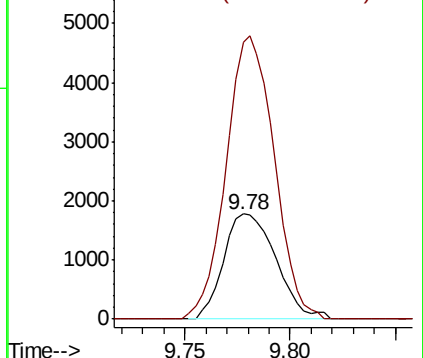
MMDadoda

11/1/2018 11:15:29 AM



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.296 ug/L

RT: 9.80 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU027874.D

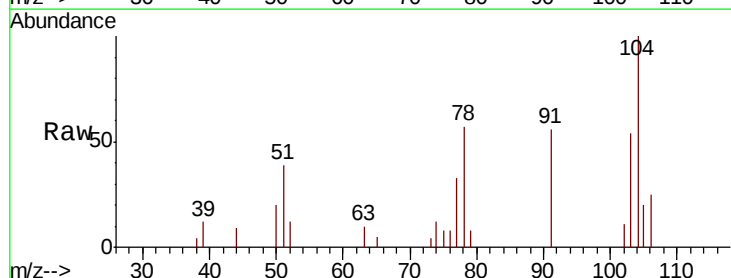
Acq: 30 Oct 2018 15:09

Tgt Ion:104 Resp: 4956

Ion Ratio Lower Upper

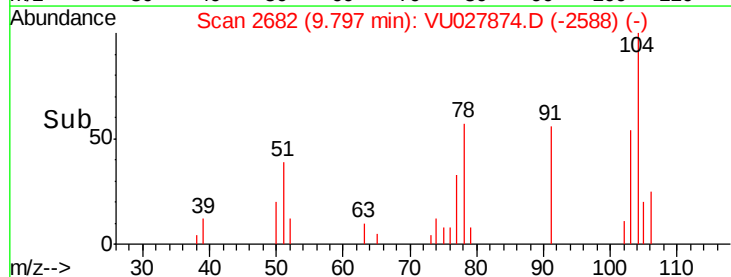
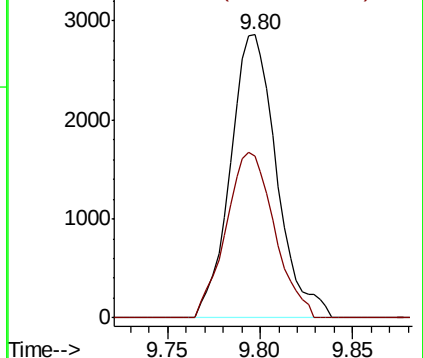
104 100

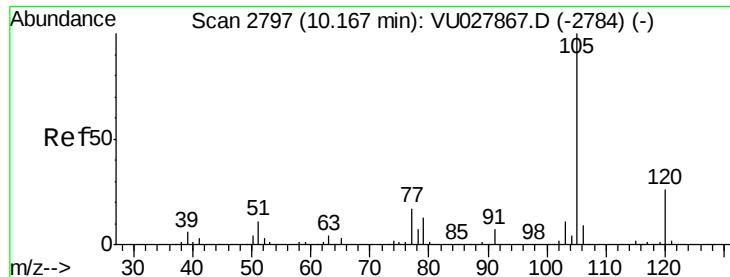
78 57.0 35.6 66.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.302 ug/L

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU027874.D

Acq: 30 Oct 2018 15:09

Instrument :

MSVOA_U

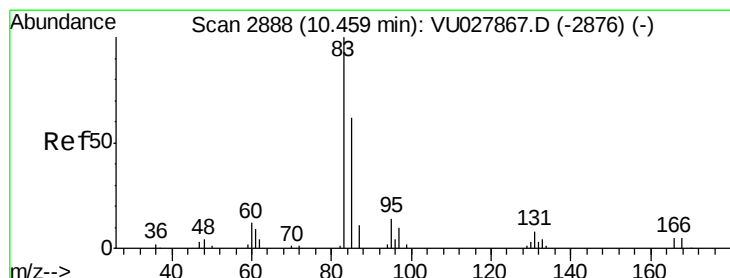
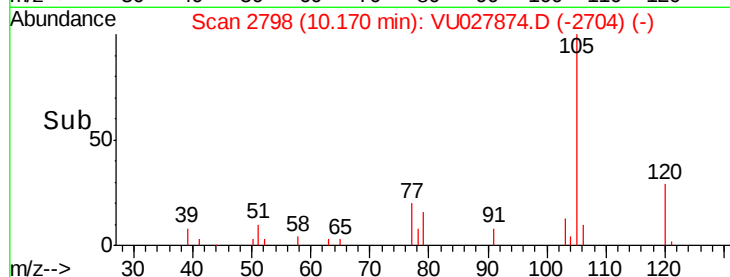
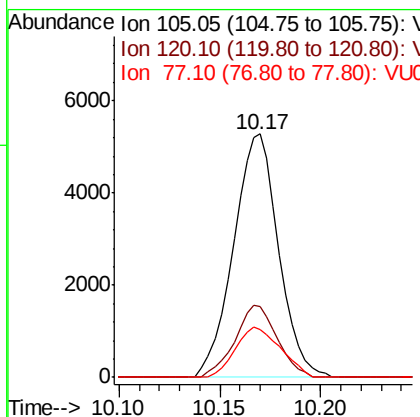
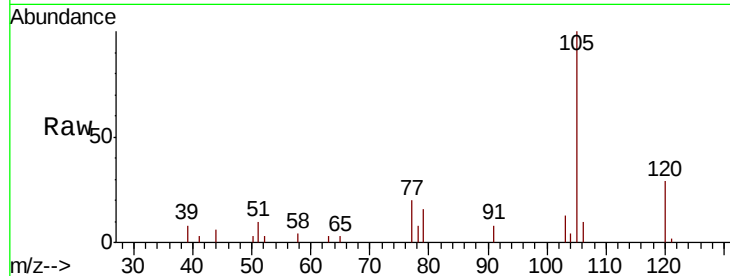
ClientSampled :

MDL03

Tot Ion:	105	Resp:	8219
Ion Ratio	Lower	Upper	
105	100		
120	27.9	20.2	30.2
77	20.8	13.4	20.2#

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#58

1,1,2,2-Tetrachloroethane

Concen: 0.328 ug/L

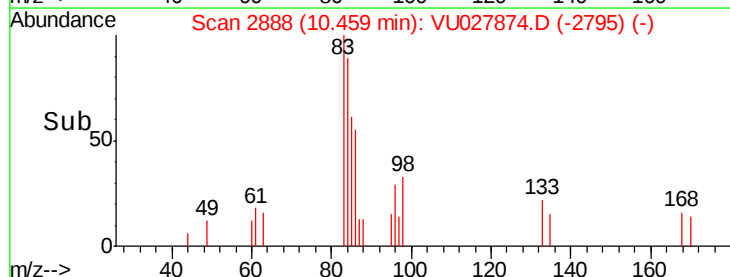
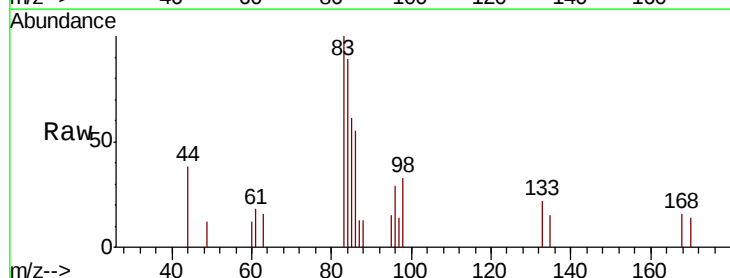
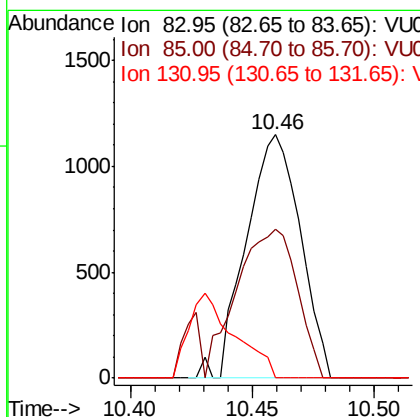
RT: 10.46 min Scan# 2888

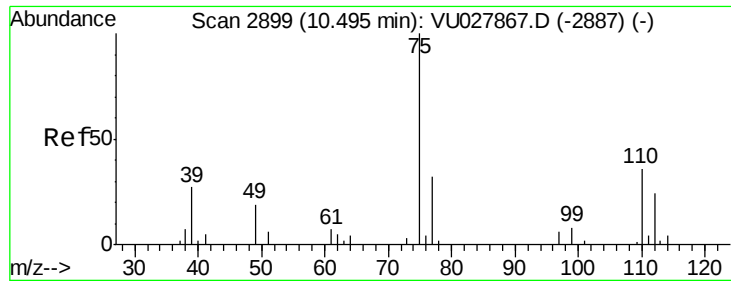
Delta R.T. 0.00 min

Lab File: VU027874.D

Acq: 30 Oct 2018 15:09

Tgt Ion:	83	Resp:	1763
Ion Ratio	Lower	Upper	
83	100		
85	61.1	44.4	82.4
131	0.0	6.8	10.2#





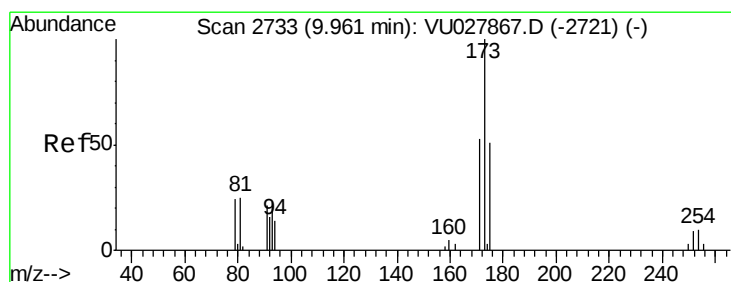
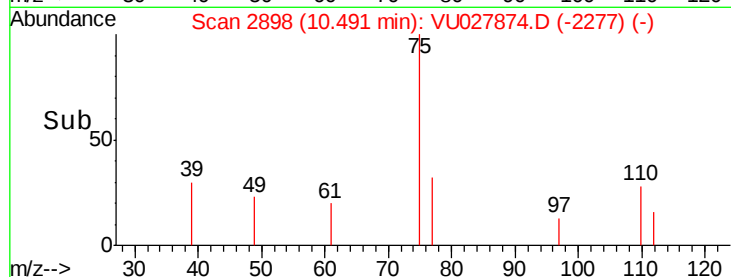
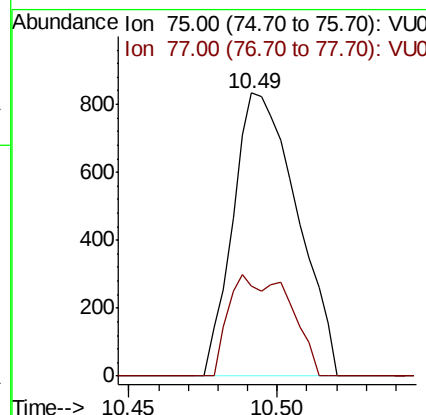
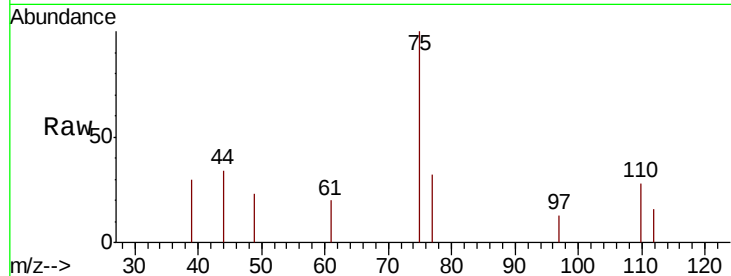
#59
 1,2,3-Trichloropropane
 Concen: 0.308 ug/L m
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU027874.D
 Acq: 30 Oct 2018 15:09

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tot Ion: 75 Resp: 1250
 Ion Ratio Lower Upper
 75 100
 77 149.0 25.8 38.6#

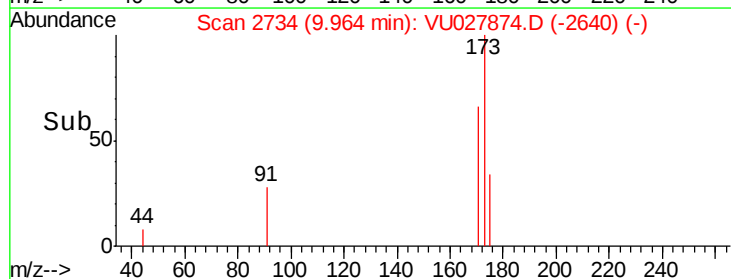
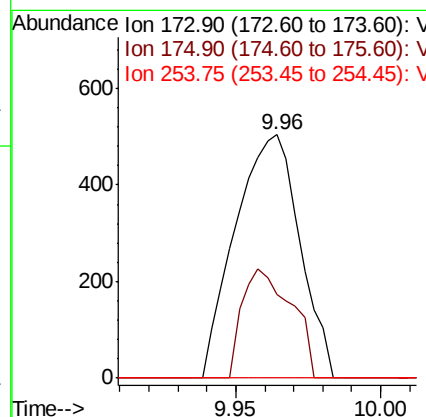
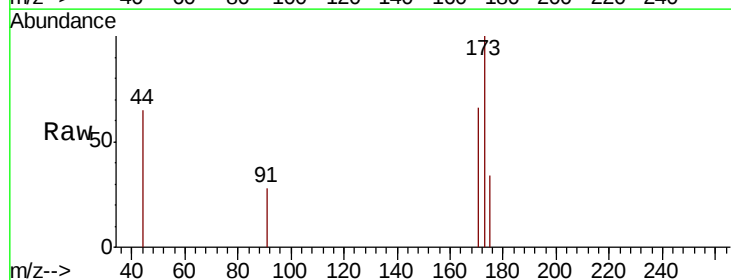
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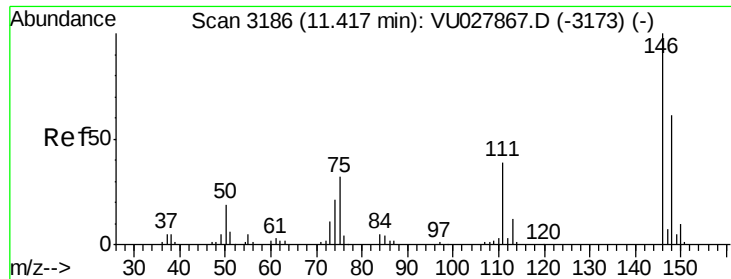
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#61
 Bromoform
 Concen: 0.286 ug/L
 RT: 9.96 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VU027874.D
 Acq: 30 Oct 2018 15:09

Tgt Ion: 173 Resp: 778
 Ion Ratio Lower Upper
 173 100
 175 34.1 38.3 57.5#
 254 0.0 7.8 11.6#





#62

1,3-Dichlorobenzene

Concen: 0.347 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU027874.D

Acq: 30 Oct 2018 15:09

Instrument :

MSVOA_U

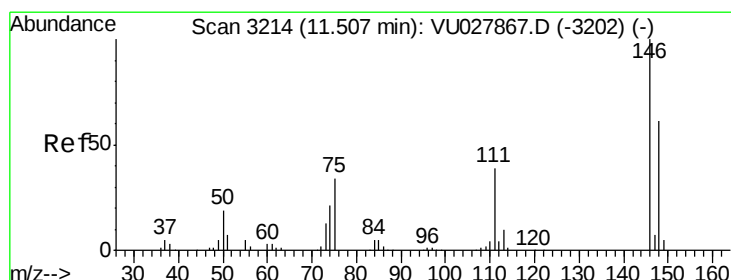
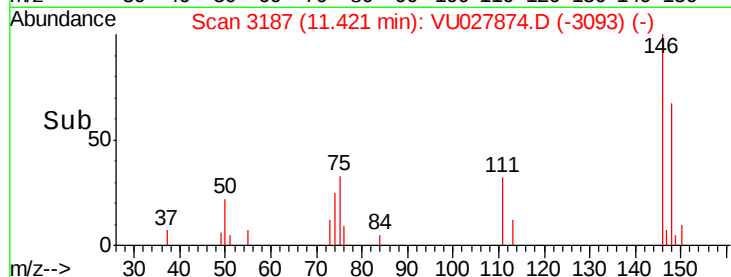
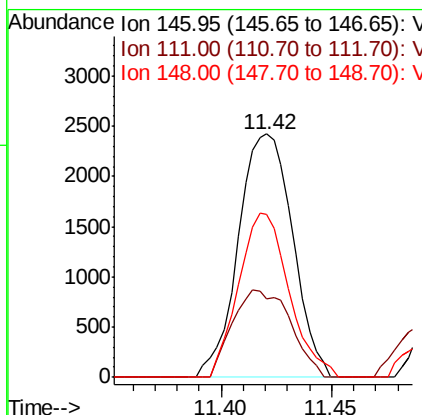
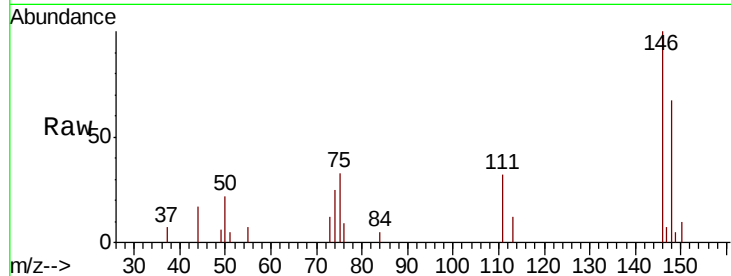
ClientSampleId :

MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	32.4	27.4	51.0
148	67.1	42.6	79.0

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#63

1,4-Dichlorobenzene

Concen: 0.330 ug/L

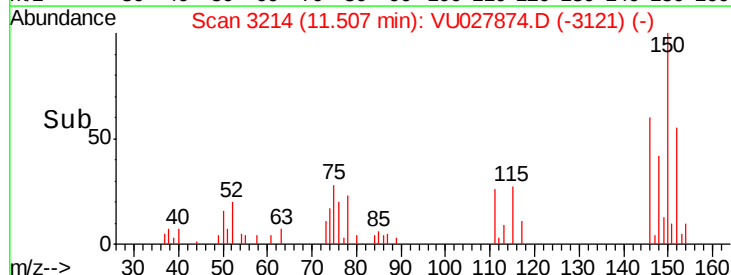
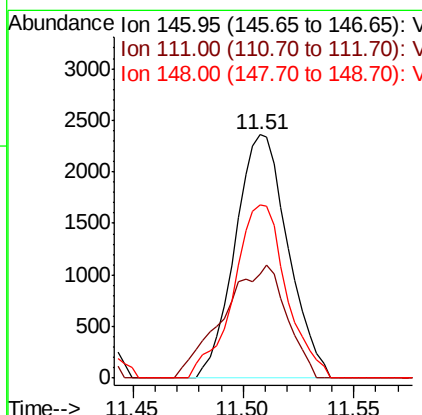
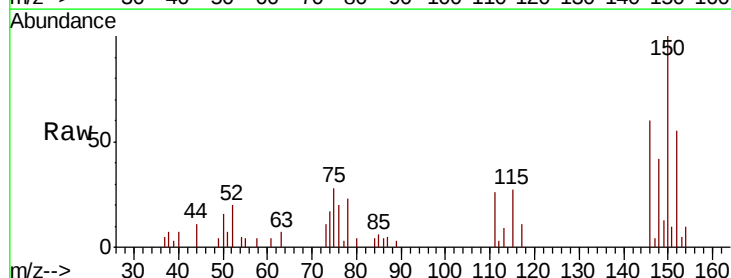
RT: 11.51 min Scan# 3214

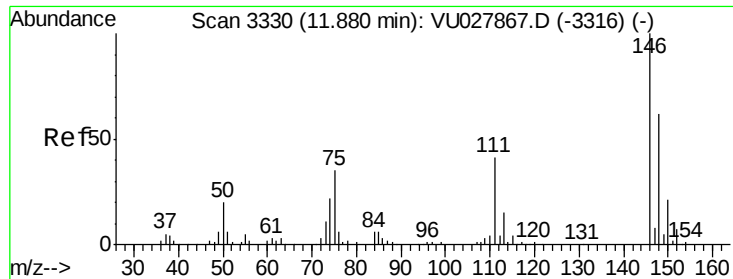
Delta R.T. 0.00 min

Lab File: VU027874.D

Acq: 30 Oct 2018 15:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	27.4	51.0
148	71.0	43.1	80.1





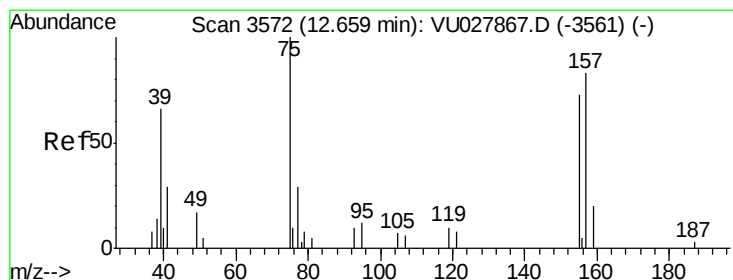
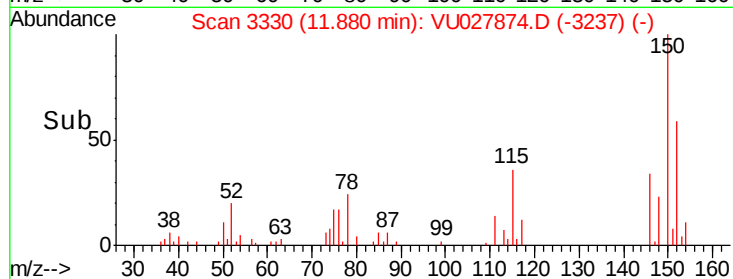
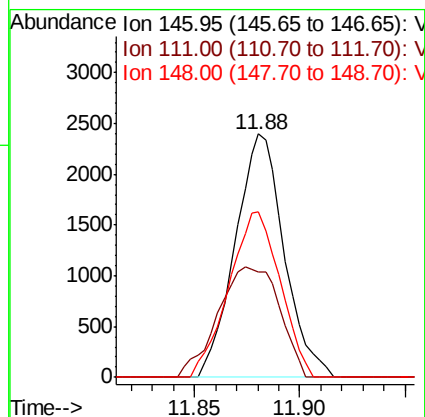
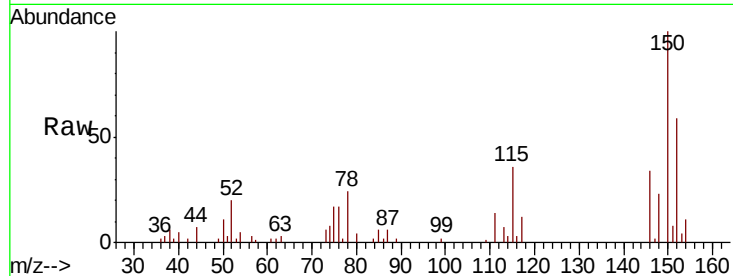
#65
 1,2-Dichlorobenzene
 Concen: 0.343 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027874.D
 Acq: 30 Oct 2018 15:09

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	33.0	49.4
148	68.2	49.2	73.8

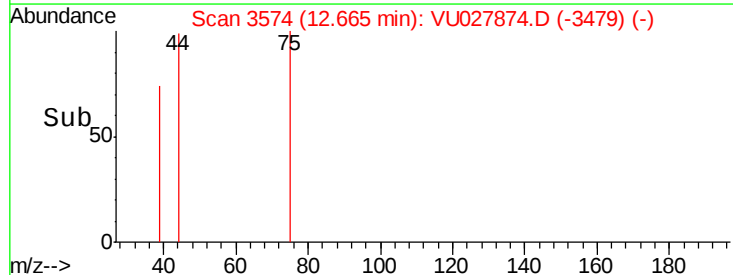
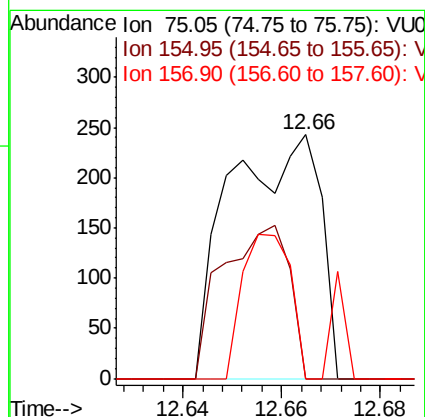
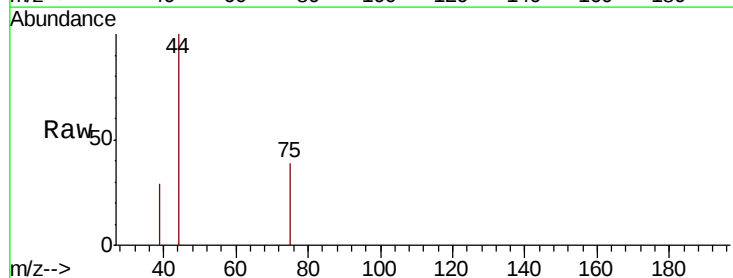
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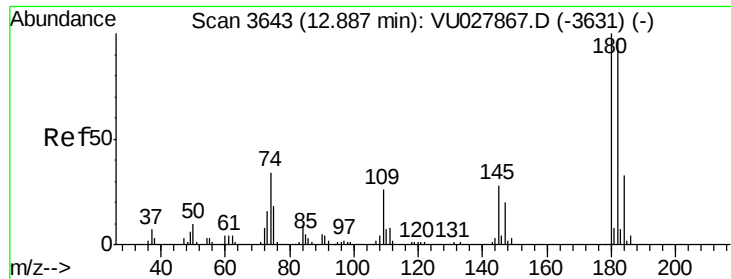
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.349 ug/L m
 RT: 12.66 min Scan# 3574
 Delta R.T. 0.01 min
 Lab File: VU027874.D
 Acq: 30 Oct 2018 15:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	58.6	87.8#
157	0.0	66.7	100.1#





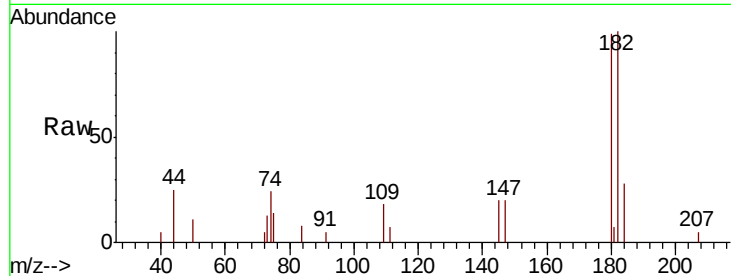
#67
 1,3,5-Trichlorobenzene
 Concen: 0.343 ug/L m
 RT: 12.89 min Scan# 3645
 Delta R.T. 0.01 min
 Lab File: VU027874.D
 Acq: 30 Oct 2018 15:09

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
180	100		
182	69.4	77.3	115.9#
184	22.1	24.6	37.0#
145	19.8	23.0	34.6#

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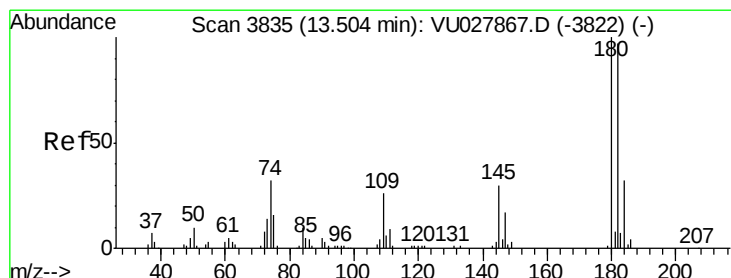
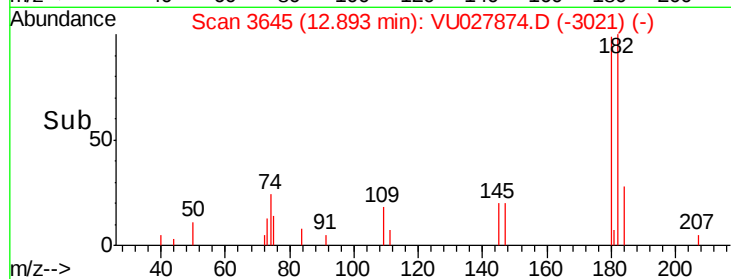
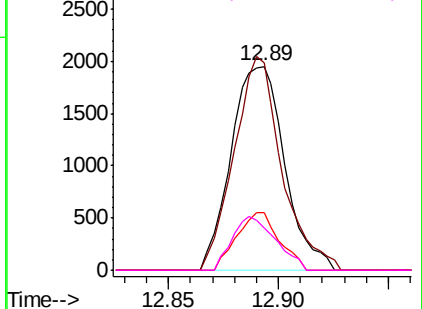
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.311 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027874.D
 Acq: 30 Oct 2018 15:09

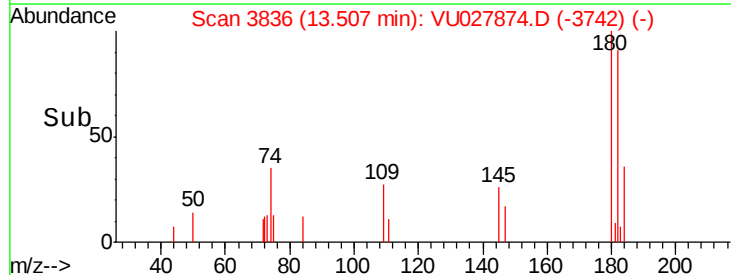
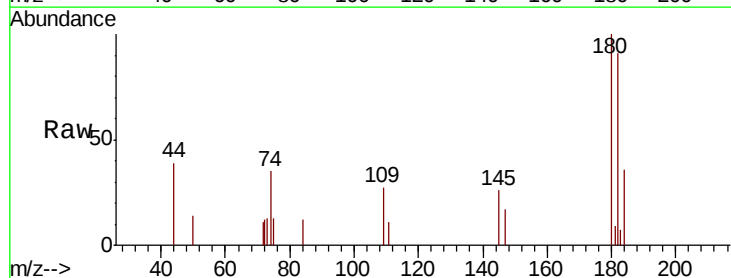
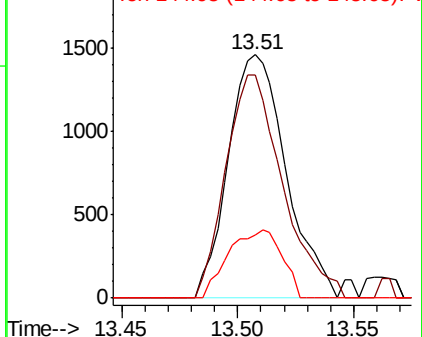
Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.2	77.8	116.6
145	25.7	22.9	34.3

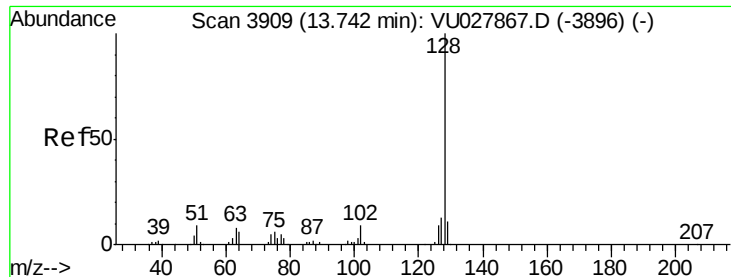
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





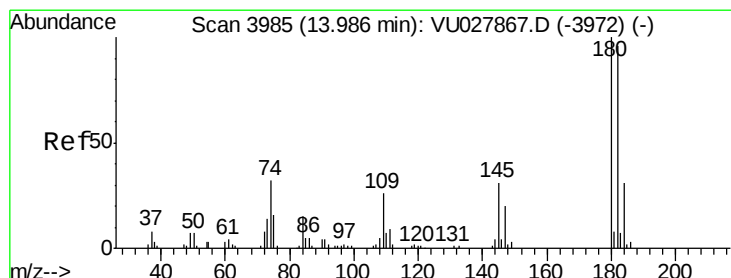
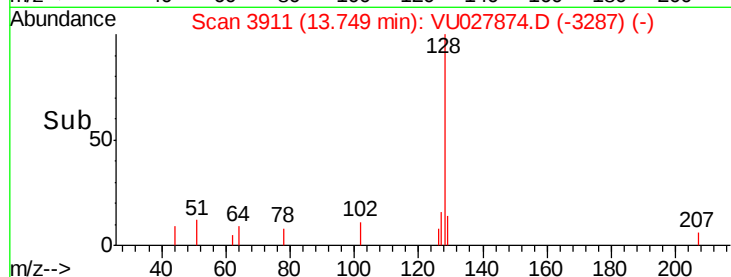
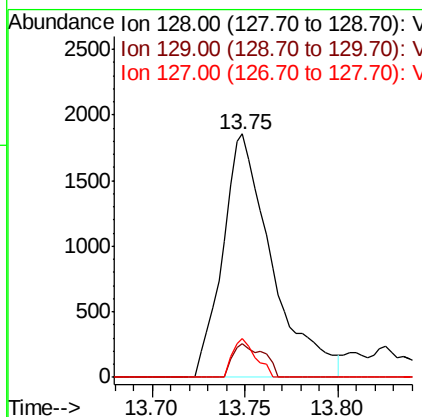
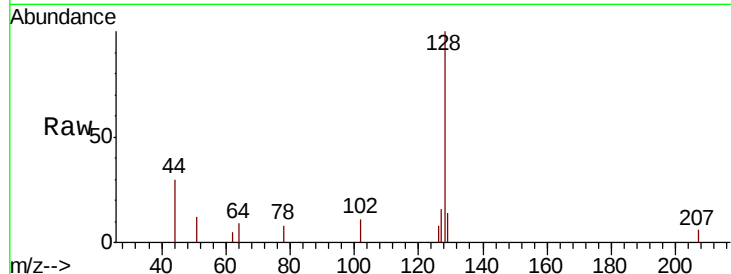
#69
Naphthalene
Concen: 0.271 ug/L
RT: 13.75 min Scan# 3911
Delta R.T. 0.01 min
Lab File: VU027874.D
Acq: 30 Oct 2018 15:09

Instrument :
MSVOA_U
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
128	100		
129	8.6	8.6	12.8
127	7.4	10.5	15.7#

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#70
1,2,3-Trichlorobenzene
Concen: 0.331 ug/L
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027874.D
Acq: 30 Oct 2018 15:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	79.4	119.0
145	26.4	25.4	38.0

