

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102318\
 Data File : VU027764.D
 Acq On : 23 Oct 2018 15:45
 Operator : MD/SY
 Sample : VU1023WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1023WBSD01

Manual Integrations
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 10/24/2018 2:20:28 PM

Quant Time: Oct 24 06:01:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U0102318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 23 09:12:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.75	96	12099	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	4643	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	4086	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	9358	1.948	ug/l	99
3) Chloromethane	1.33	50	9606	1.870	ug/l	97
4) Vinyl Chloride	1.40	62	8872	1.850	ug/l	94
5) Bromomethane	1.63	94	4882	1.935	ug/l	99
6) Chloroethane	1.70	64	4762	1.831	ug/l	93
7) Trichlorofluoromethane	1.89	101	11208	1.918	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	5600	1.822	ug/l	98
9) 1,1-Dichloroethene	2.29	96	5048	1.871	ug/l	93
10) Iodomethane	2.41	142	6044	1.667	ug/l	99
11) Allyl Chloride	2.59	41	11903	1.863	ug/l	99
12) Acrylonitrile	2.94	53	2866	3.485	ug/l	95
13) Acetone	2.32	43	6899	9.191	ug/l	95
14) Carbon Disulfide	2.48	76	17601	1.752	ug/l	98
15) Methylene Chloride	2.70	84	5781	1.700	ug/l	98
16) trans-1,2-Dichloroethene	2.98	96	5782	1.925	ug/l	93
17) 1,1-Dichloroethane	3.45	63	12379	1.867	ug/l	97
18) 2-Butanone	4.29	43	10803	8.668	ug/l	98
19) Cyclohexane	4.99	56	12458m	2.096	ug/l	
20) Methylcyclohexane	6.42	83	10950	1.817	ug/l	98
21) 2,2-Dichloropropane	4.23	77	9601	1.640	ug/l	97
22) cis-1,2-Dichloroethene	4.23	96	6650	1.849	ug/l	96
23) Diethyl Ether	2.11	59	4697	1.830	ug/l	99
24) tert-Butyl Alcohol	2.84	59	5029	18.373	ug/l #	82
25) Methyl tert-Butyl Ether	3.01	73	16194	1.885	ug/l	95
26) Bromochloromethane	4.55	128	2725	1.889	ug/l	95
27) Chloroform	4.68	83	12117	1.877	ug/l	94
28) 1,1,1-Trichloroethane	4.92	97	10461	1.821	ug/l	98
29) 1,1-Dichloropropene	5.14	75	9502	1.894	ug/l	98
30) Carbon Tetrachloride	5.13	117	9260	1.804	ug/l	96
31) Isopropyl Ether	3.58	45	22302	1.868	ug/l	97
32) Ethyl-t-butyl ether	4.08	59	19577	1.848	ug/l	99
33) Tert-Amyl methyl ether	5.59	73	16388	1.823	ug/l #	82
34) Propionitrile	4.34	54	2930	9.860	ug/l #	84
35) Benzene	5.39	78	26210	1.869	ug/l	100
36) 1,2-Dichloroethane	5.41	62	8705	1.865	ug/l	98
37) Trichloroethene	6.19	130	6368	1.841	ug/l	92
38) 1,2-Dichloropropane	6.44	63	7338	1.864	ug/l	98
39) Methacrylonitrile	4.56	41	2933	1.787	ug/l	96
40) Methyl acrylate	4.43	55	4153	1.943	ug/l #	85
41) Tetrahydrofuran	4.67	42	3440	3.794	ug/l	91
42) 1-Chlorobutane	5.07	56	14795	1.869	ug/l	94

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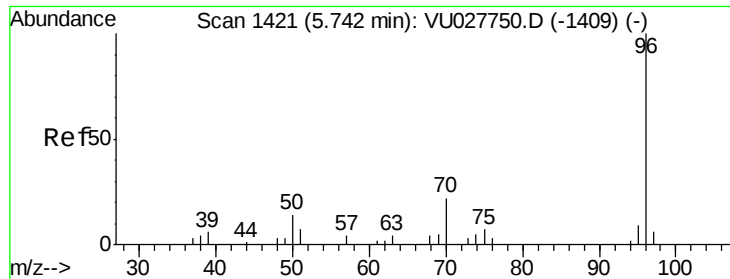
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Quant Time: Oct 24 06:01:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U0102318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 23 09:12:15 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	3195	1.785	ug/l	96
44) Bromodichloromethane	6.76	83	8984	1.848	ug/l	97
45) 4-Methyl-2-Pentanone	7.47	43	26369	9.074	ug/l	97
46) t-1,4-Dichloro-2-butene	10.52	75	3332m	3.180	ug/l	
47) Methyl methacrylate	6.63	69	6739	3.569	ug/l	91
48) Ethyl methacrylate	8.02	69	7053	1.797	ug/l	96
49) Toluene	7.64	92	15140	1.820	ug/l	95
50) t-1,3-Dichloropropene	7.88	75	8573	1.770	ug/l	92
51) cis-1,3-Dichloropropene	7.27	75	10082	1.767	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	4514	1.867	ug/l	97
53) 1,3-Dichloropropane	8.24	76	8732	1.880	ug/l	97
54) 2-Hexanone	8.37	43	18915	9.134	ug/l	97
55) Dibromochloromethane	8.48	129	5542	1.823	ug/l	94
56) 1,2-Dibromoethane	8.59	107	4371	1.841	ug/l	97
58) Tetrachloroethene	8.23	164	5910	1.811	ug/l	92
59) Chlorobenzene	9.12	112	17087	1.916	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	6039	1.863	ug/l	98
61) Pentachloroethane	11.10	117	4357	1.802	ug/l	100
62) Hexachloroethane	12.15	117	4756	1.791	ug/l	97
63) Ethyl Benzene	9.25	91	32200	1.906	ug/l	97
64) m/p-Xylenes	9.38	106	22670	3.762	ug/l	97
65) o-Xylene	9.78	106	11206	1.875	ug/l	98
66) Styrene	9.79	104	18558	1.882	ug/l	99
67) Bromoform	9.96	173	3012	1.712	ug/l #	96
69) Isopropylbenzene	10.17	105	30187	1.845	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	5817	1.810	ug/l	97
71) 1,2,3-Trichloropropane	10.49	75	3997	1.600	ug/l #	96
72) Bromobenzene	10.46	156	6957	1.909	ug/l	94
73) n-propylbenzene	10.59	120	8093	1.918	ug/l	99
74) 2-Chlorotoluene	10.66	126	6694	1.853	ug/l	95
75) 1,3,5-Trimethylbenzene	10.77	105	25515	1.869	ug/l	98
76) 4-Chlorotoluene	10.77	126	7219	1.972	ug/l	92
77) tert-Butylbenzene	11.10	119	25311	1.885	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	26932	1.920	ug/l	97
79) sec-Butylbenzene	11.32	105	33456	1.882	ug/l	99
80) Nitrobenzene	12.86	77	759	6.389	ug/l #	89
81) p-Isopropyltoluene	11.48	119	27069	1.863	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	13434	1.863	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	13647	1.888	ug/l	99
84) n-Butylbenzene	11.89	91	26525	1.879	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	13023	1.892	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1037	1.737	ug/l	91
87) 1,2,4-Trichlorobenzene	13.50	180	9446	1.889	ug/l	98
88) Hexachlorobutadiene	13.69	225	5451	1.817	ug/l	98
89) Naphthalene	13.75	128	16552	1.762	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	8420	1.769	ug/l	100

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.75 min Scan# 1422

Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBSD01

Tot Ion: 96 Resp: 12099

Ion Ratio Lower Upper

96 100

70 24.4 17.7 26.5

95 9.0 7.0 10.6

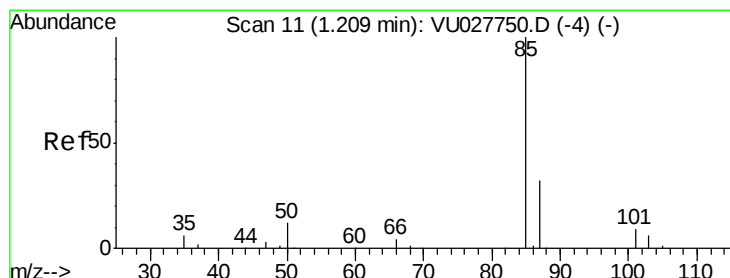
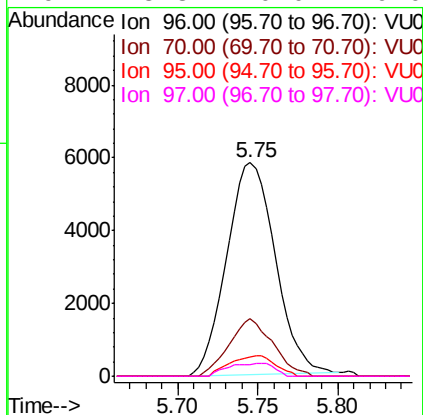
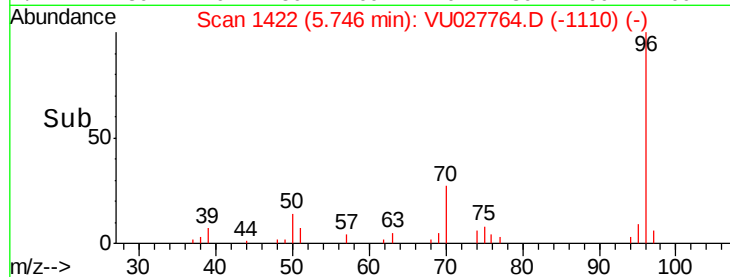
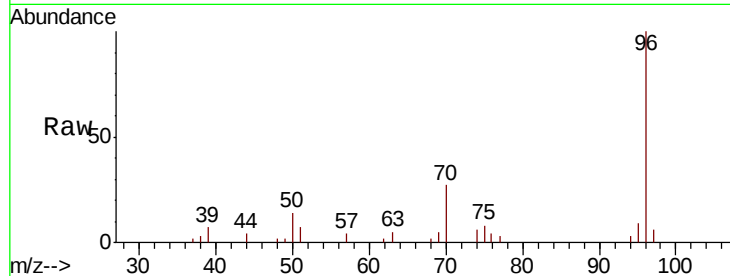
97 5.8 0.0 0.0#

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#2

Dichlorodifluoromethane

Concen: 1.948 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027764.D

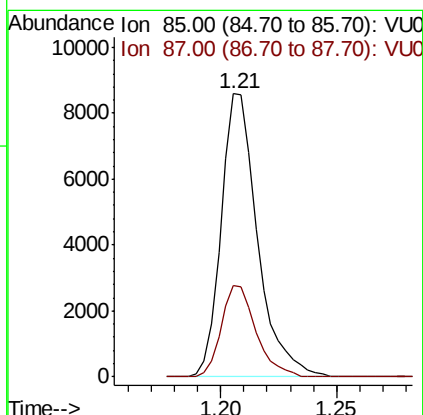
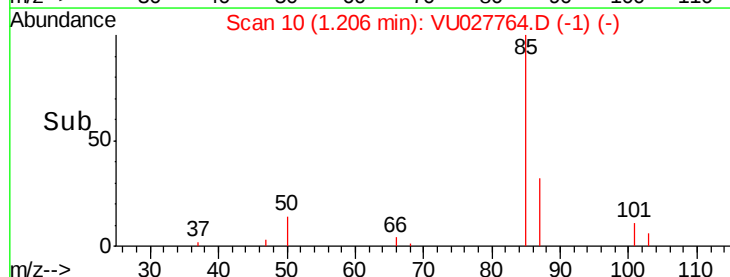
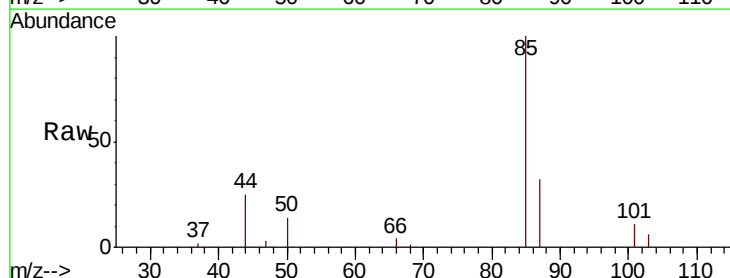
Acq: 23 Oct 2018 15:45

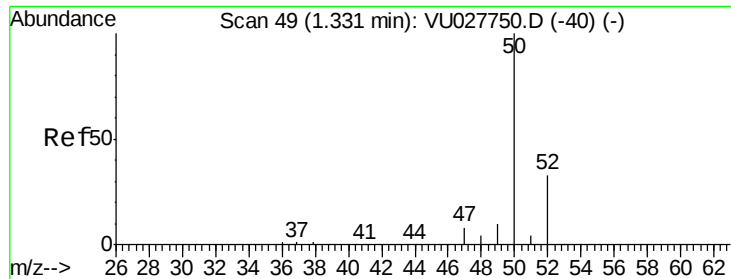
Tgt Ion: 85 Resp: 9358

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.6





#3

Chloromethane

Concen: 1.870 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBSD01

Tot Ion: 50 Resp: 9606

Ion Ratio Lower Upper

50 100

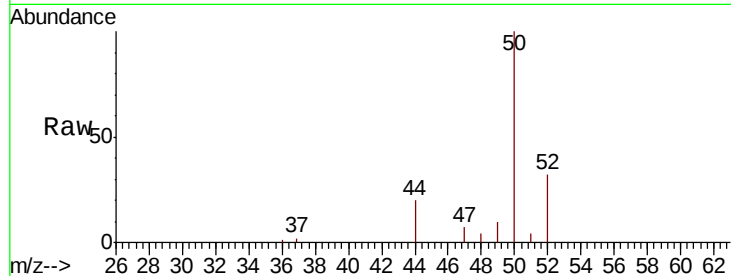
52 31.8 26.6 40.0

Manual Integrations

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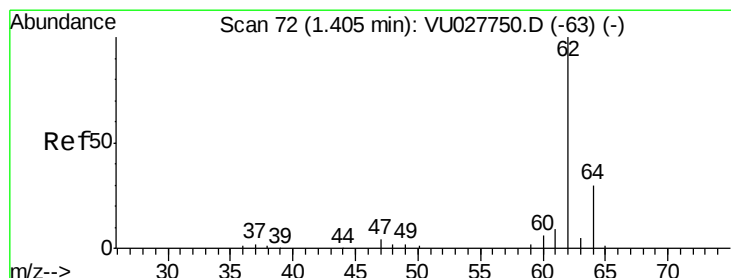
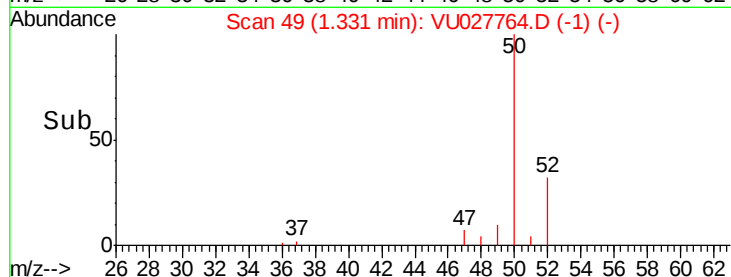
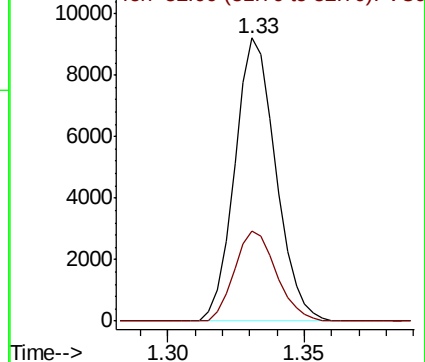
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 1.850 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027764.D

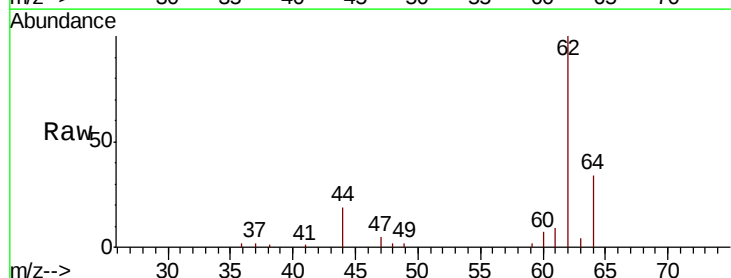
Acq: 23 Oct 2018 15:45

Tgt Ion: 62 Resp: 8872

Ion Ratio Lower Upper

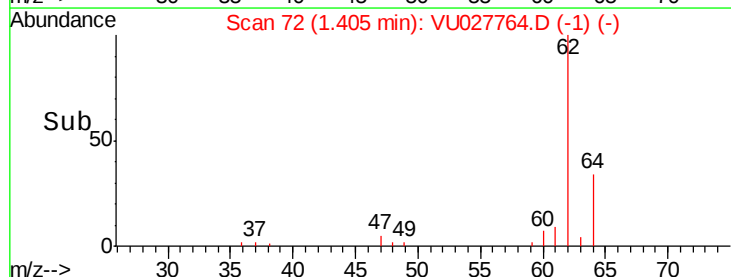
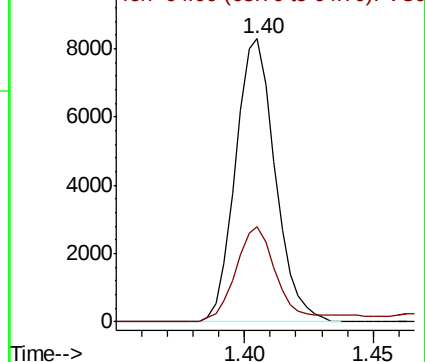
62 100

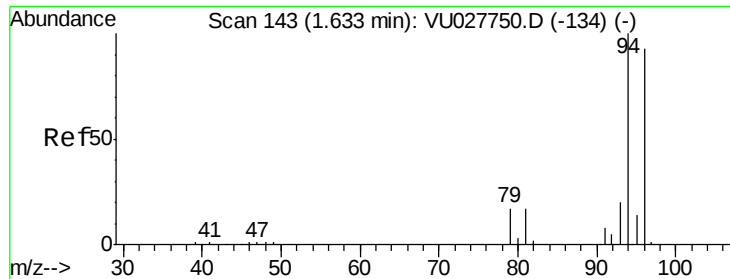
64 33.5 24.3 36.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 1.935 ug/l

RT: 1.63 min Scan# 142

Delta R.T. -0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBSD01

Tot Ion: 94 Resp: 4882

Ion Ratio Lower Upper

94 100

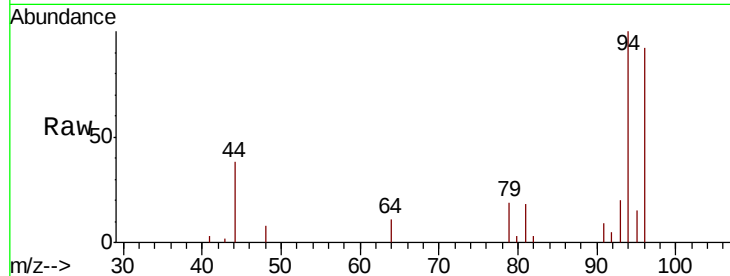
96 92.3 74.2 111.4

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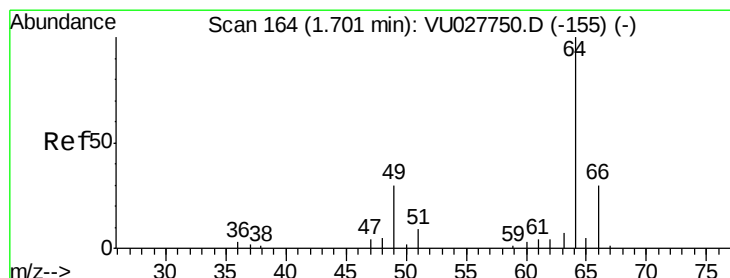
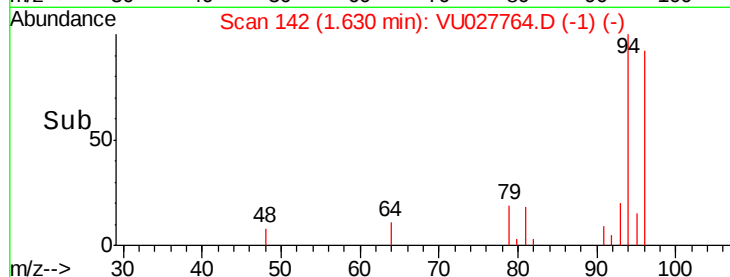
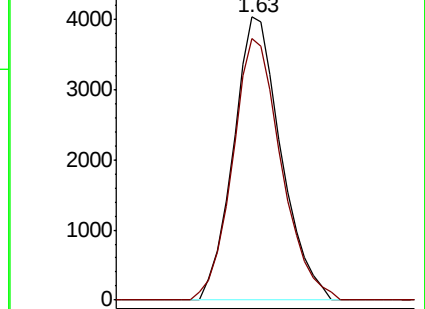
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Abundance Ion 94.00 (93.70 to 94.70): VU027764.D (-134) (-)

Ion 96.00 (95.70 to 96.70): VU027764.D (-134) (-)



#6

Chloroethane

Concen: 1.831 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU027764.D

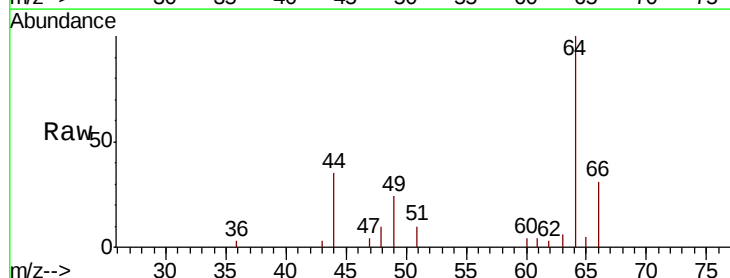
Acq: 23 Oct 2018 15:45

Tgt Ion: 64 Resp: 4762

Ion Ratio Lower Upper

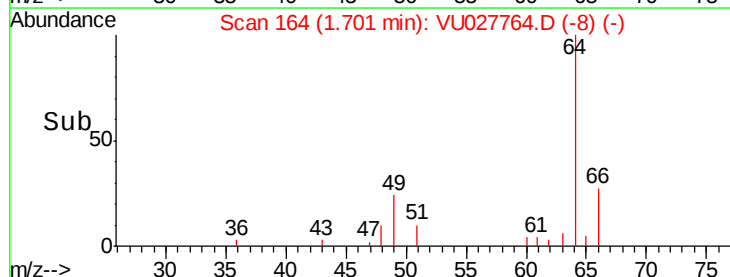
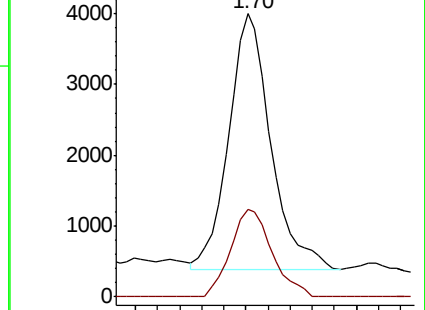
64 100

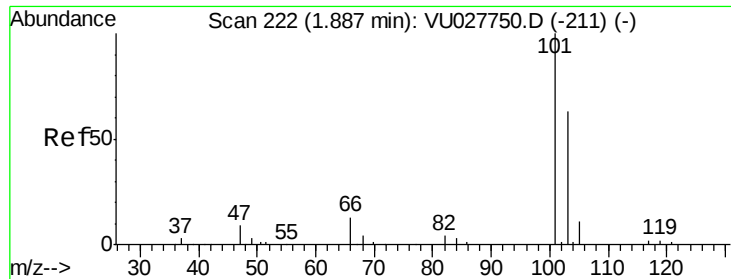
66 34.1 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VU027764.D (-155) (-)

Ion 66.00 (65.70 to 66.70): VU027764.D (-155) (-)





#7

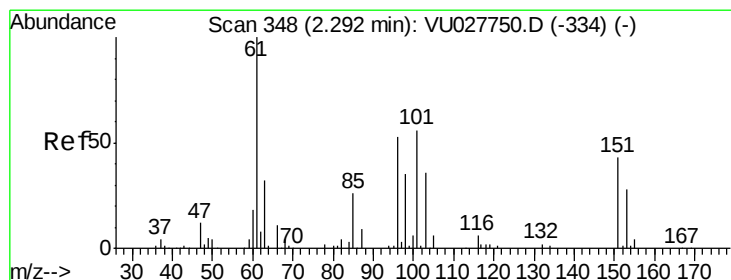
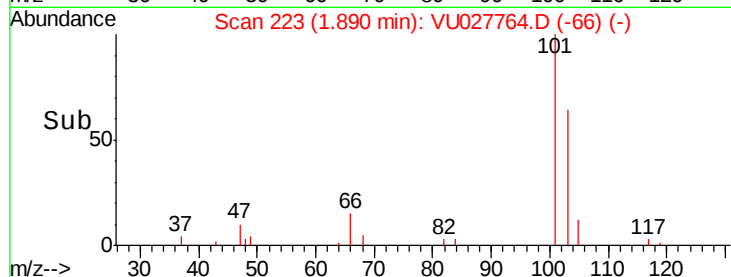
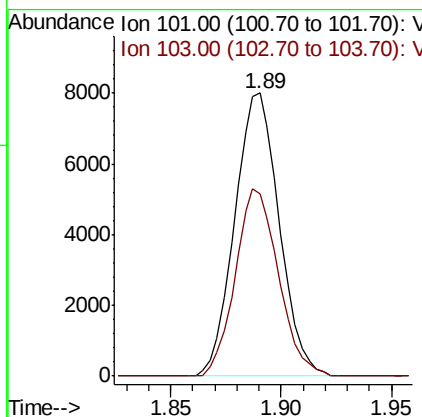
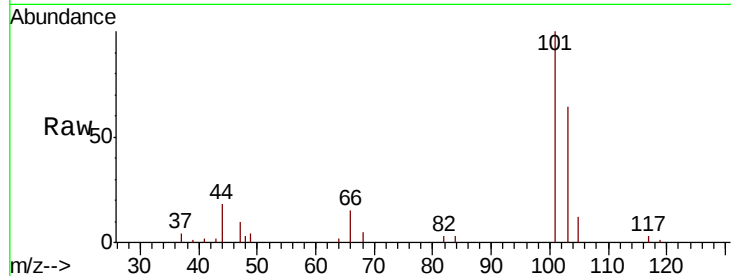
Trichlorofluoromethane
 Concen: 1.918 ug/l
 RT: 1.89 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

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 VU1023WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	50.2	75.2

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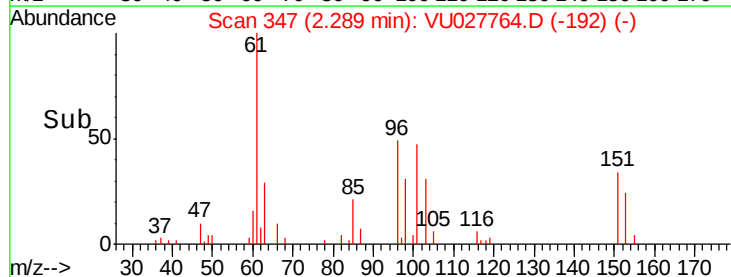
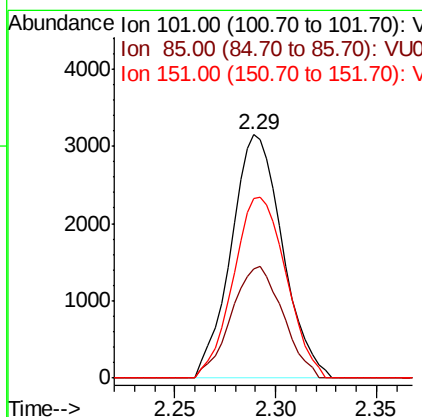
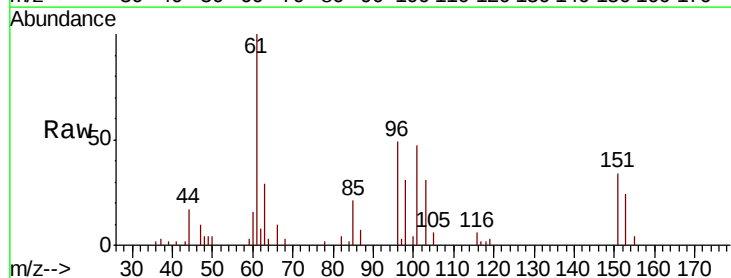
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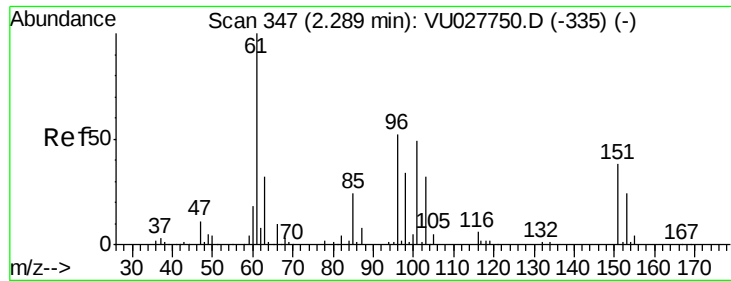


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.822 ug/l
 RT: 2.29 min Scan# 347
 Delta R.T. -0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.0	38.2	57.2
151	76.3	61.8	92.8





#9

1,1-Dichloroethene

Concen: 1.871 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Instrument :

MSVOA_U

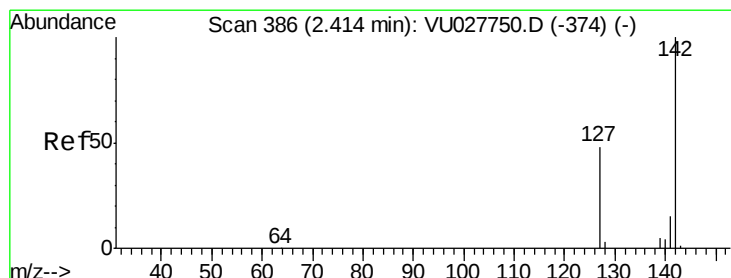
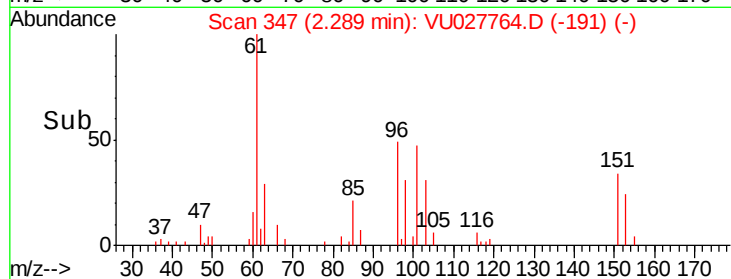
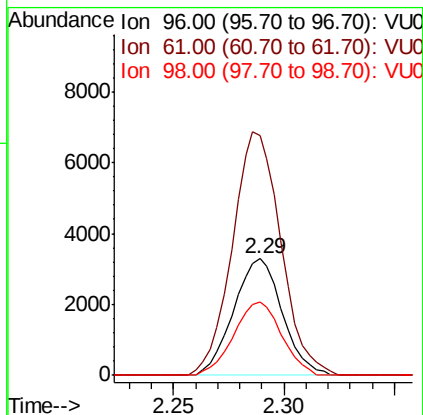
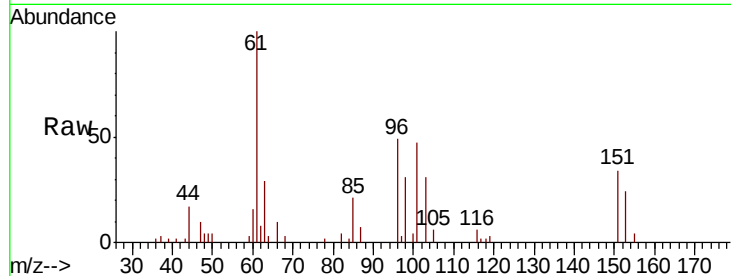
ClientSampleId :

VU1023WBSD01

Tot Ion:	96	Resp:	5048
Ion	Ratio	Lower	Upper
96	100		
61	205.4	0.0	581.4
98	63.0	0.0	131.2

Manual Integrations
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#10

Iodomethane

Concen: 1.667 ug/l

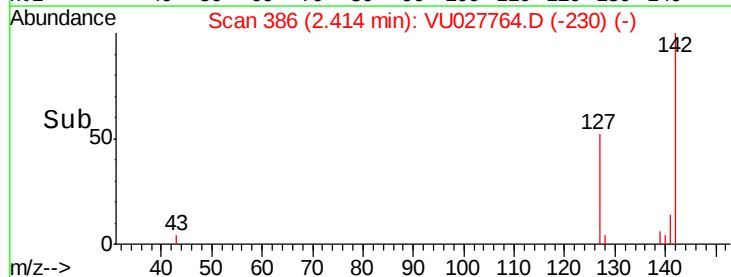
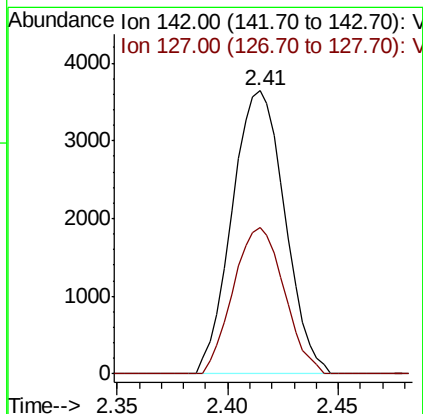
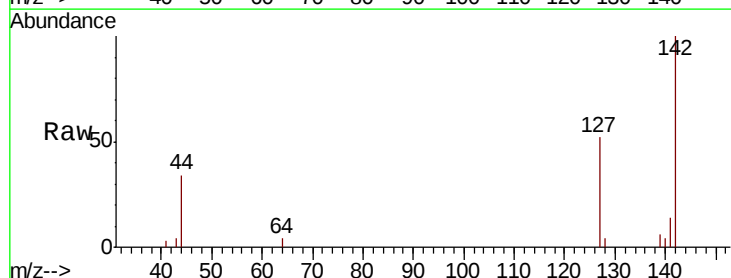
RT: 2.41 min Scan# 386

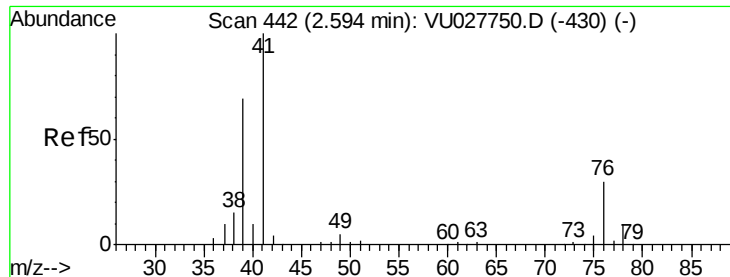
Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Tgt Ion:	142	Resp:	6044
Ion	Ratio	Lower	Upper
142	100		
127	49.9	39.2	58.8





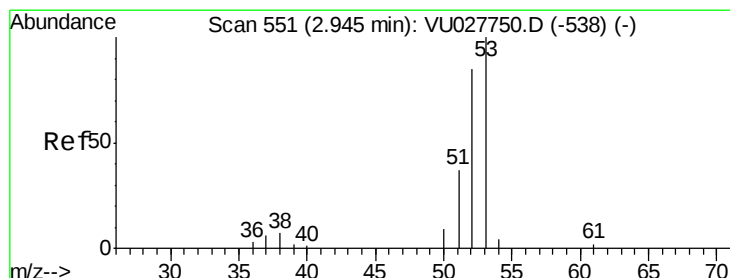
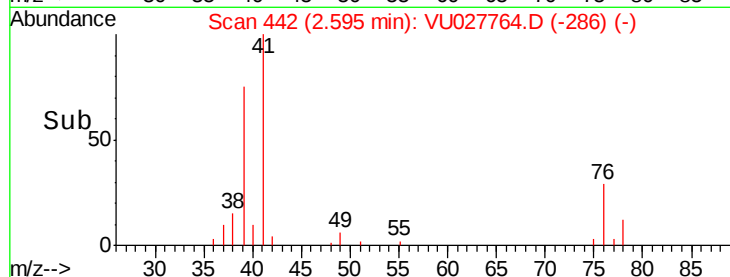
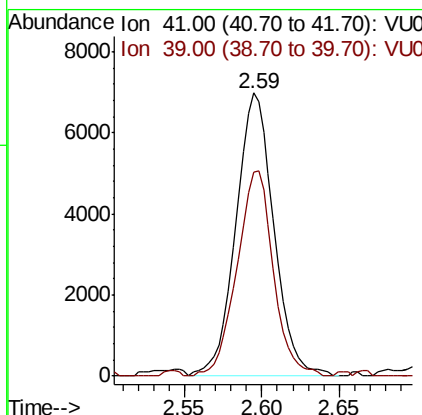
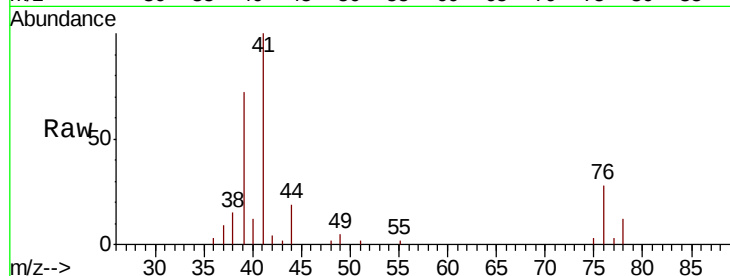
#11
Allvl Chloride
Concen: 1.863 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.00 min
Lab File: VU027764.D
Acq: 23 Oct 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBSD01

Tot Ion: 41 Resp: 11903
Ion Ratio Lower Upper
41 100
39 69.8 55.4 83.0

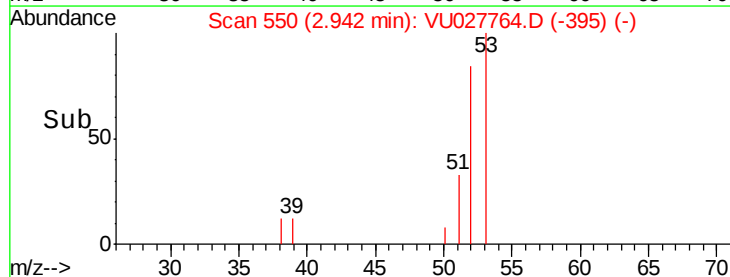
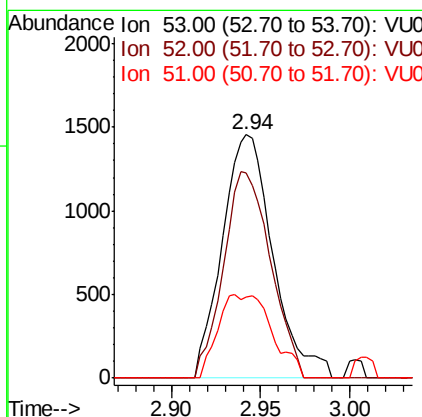
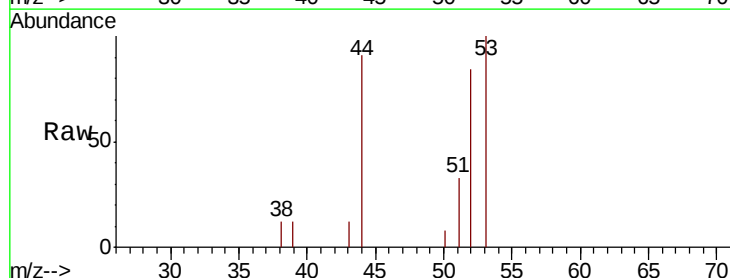
Manual Integrations
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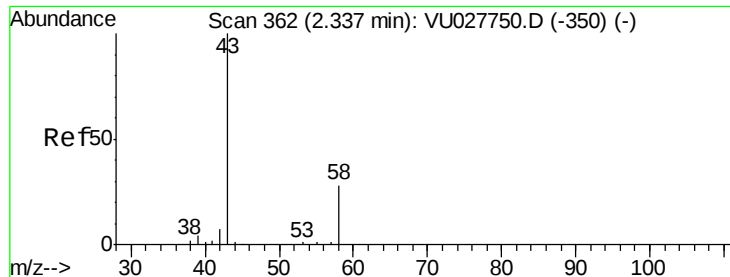
sam
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#12
Acrylonitrile
Concen: 3.485 ug/l
RT: 2.94 min Scan# 550
Delta R.T. -0.00 min
Lab File: VU027764.D
Acq: 23 Oct 2018 15:45

Tgt Ion: 53 Resp: 2866
Ion Ratio Lower Upper
53 100
52 79.0 67.9 101.9
51 36.5 30.0 45.0





#13

Acetone

Concen: 9.191 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.01 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBSD01

Tot Ion: 43 Resp: 6899

Ion Ratio Lower Upper

43 100

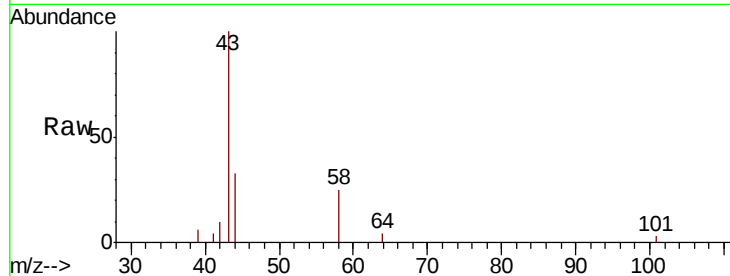
58 25.0 22.3 33.5

Manual Integrations

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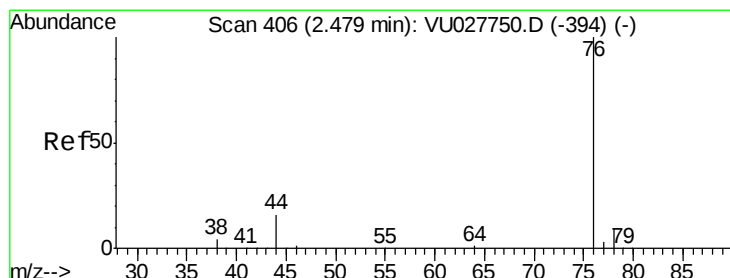
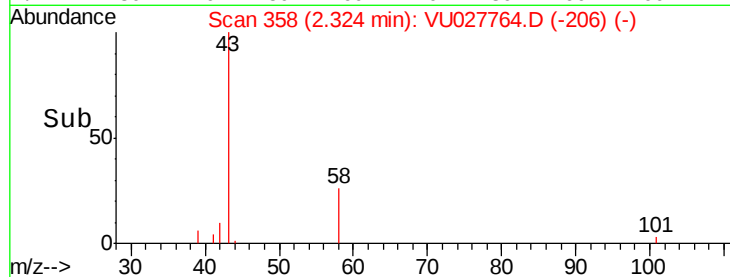
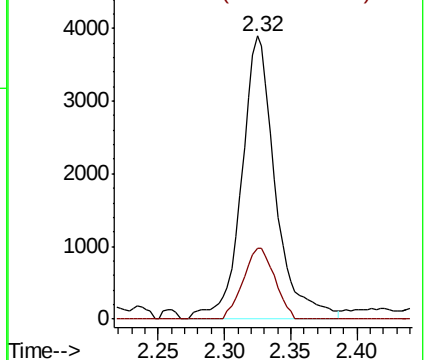
sam

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 1.752 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027764.D

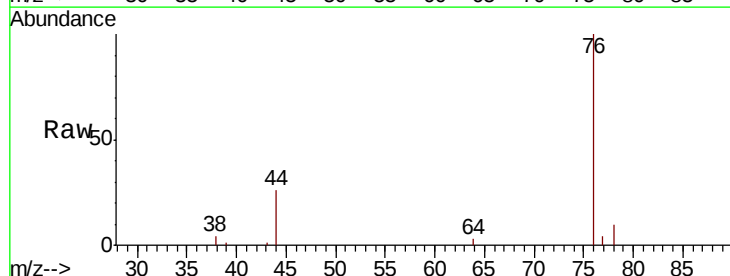
Acq: 23 Oct 2018 15:45

Tgt Ion: 76 Resp: 17601

Ion Ratio Lower Upper

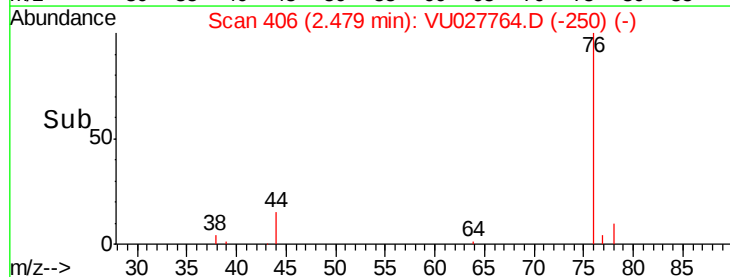
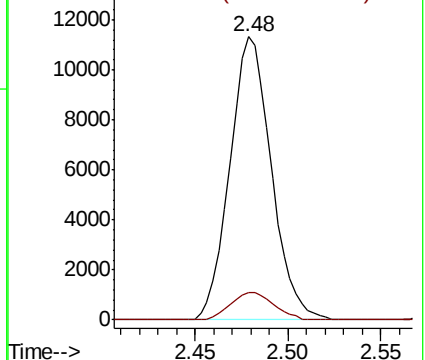
76 100

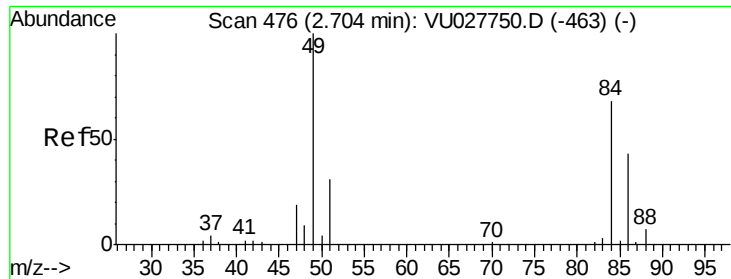
78 9.7 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





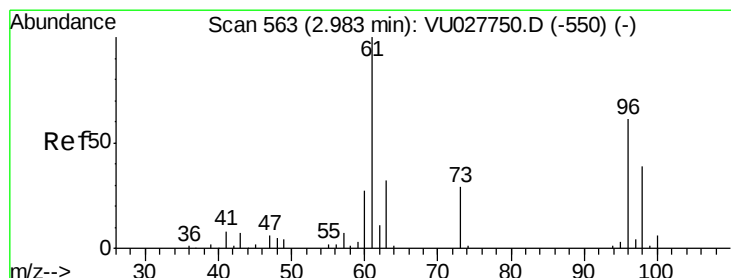
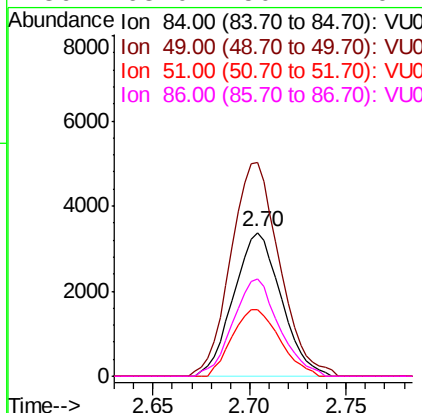
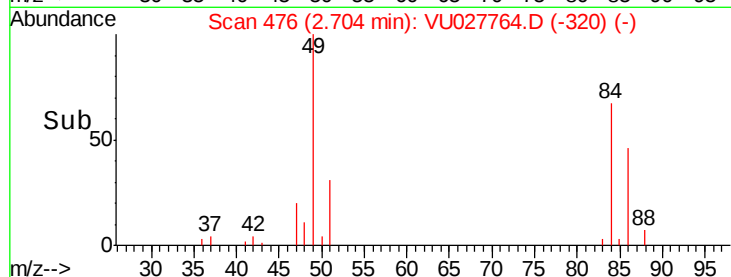
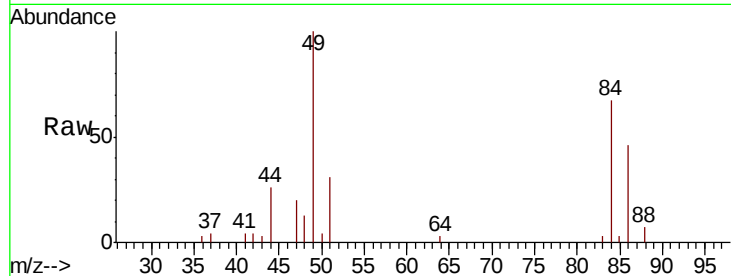
#15
Methvlene Chloride
Concen: 1.700 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027764.D
Acq: 23 Oct 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBSD01

Tot Ion:	84	Resp:	5781
Ion	Ratio	Lower	Upper
84	100		
49	148.8	118.5	177.7
51	45.9	0.0	91.0
86	68.0	50.7	76.1

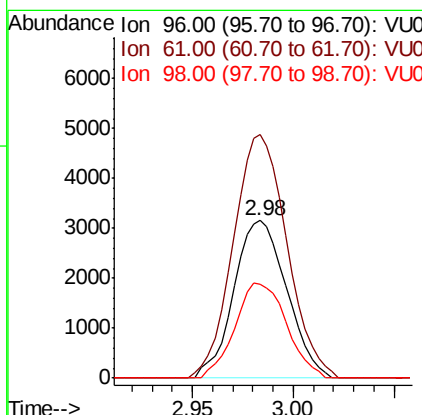
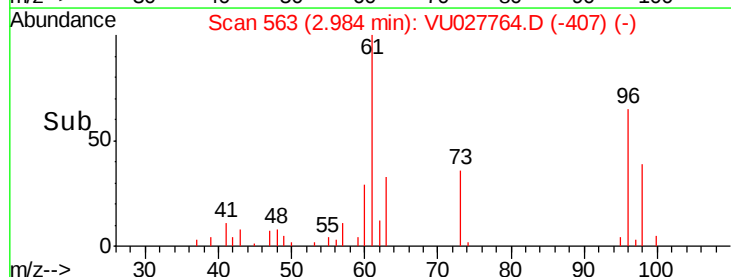
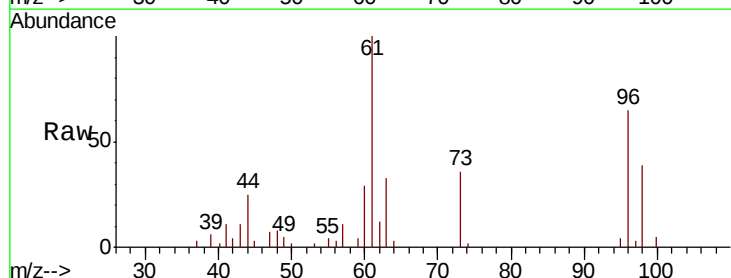
Manual Integrations
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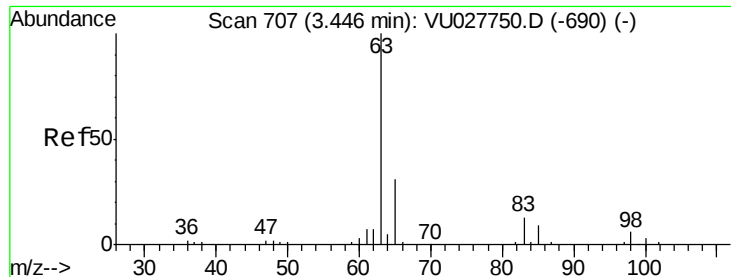
sam
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#16
trans-1,2-Dichloroethene
Concen: 1.925 ug/l
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU027764.D
Acq: 23 Oct 2018 15:45

Tgt Ion:	96	Resp:	5782
Ion	Ratio	Lower	Upper
96	100		
61	154.8	131.8	197.6
98	59.7	51.2	76.8





#17

1,1-Dichloroethane

Concen: 1.867 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Instrument :

MSVOA_U

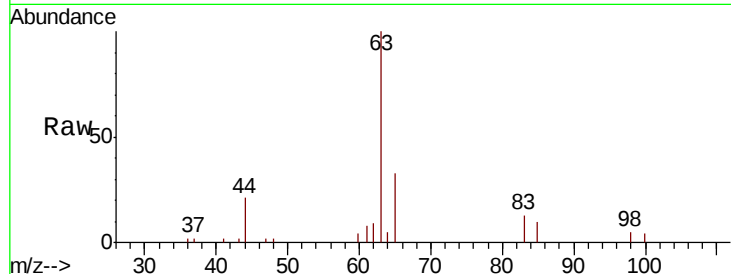
ClientSampleId :

VU1023WBSD01

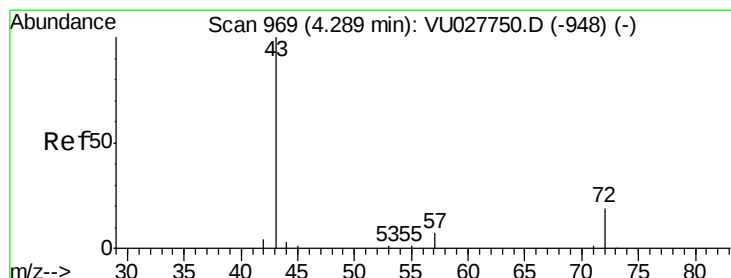
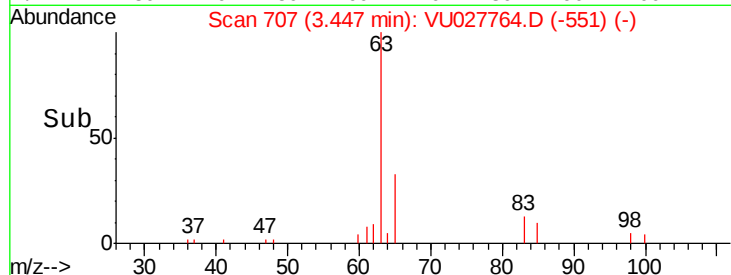
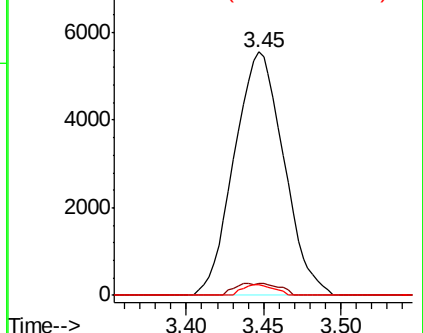
Tot Ion:	63	Resp:	12379
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.8	8.4
100	4.3	1.5	4.5

Manual Integrations
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Abundance Ion 63.00 (62.70 to 63.70): VU027750.D (-690) (-)



#18

2-Butanone

Concen: 8.668 ug/l

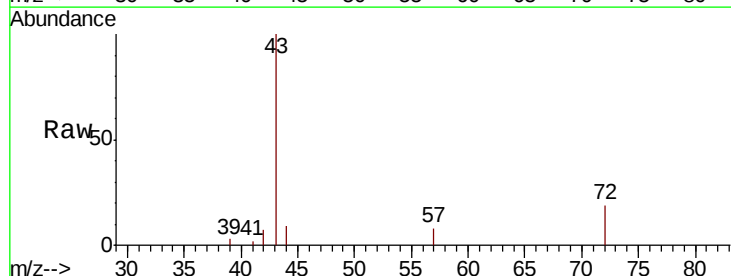
RT: 4.29 min Scan# 968

Delta R.T. -0.00 min

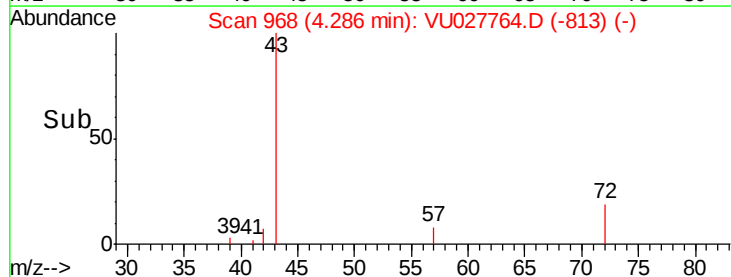
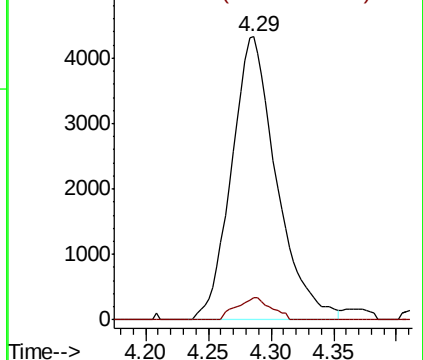
Lab File: VU027764.D

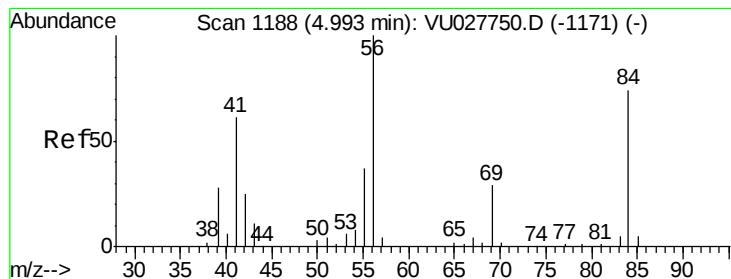
Acq: 23 Oct 2018 15:45

Tgt Ion:	43	Resp:	10803
Ion	Ratio	Lower	Upper
43	100		
57	7.9	0.0	14.4



Abundance Ion 43.00 (42.70 to 43.70): VU027750.D (-948) (-)





#19

Cyclohexane

Concen: 2.096 ug/l m

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Instrument :

MSVOA_U

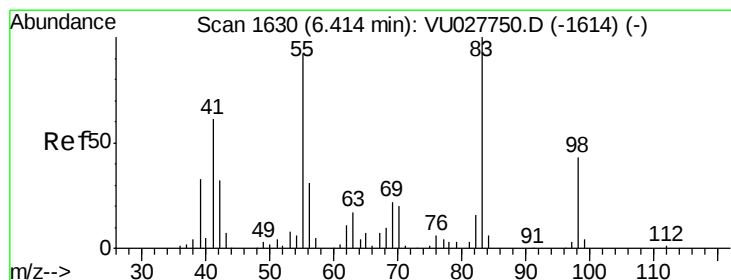
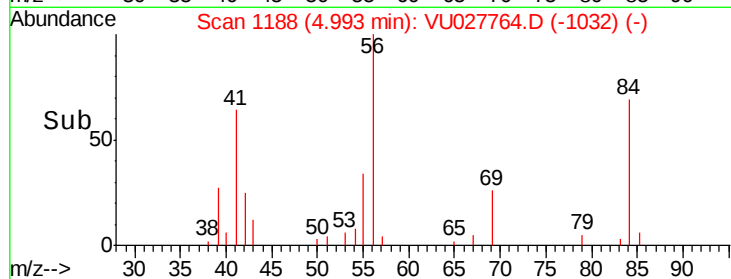
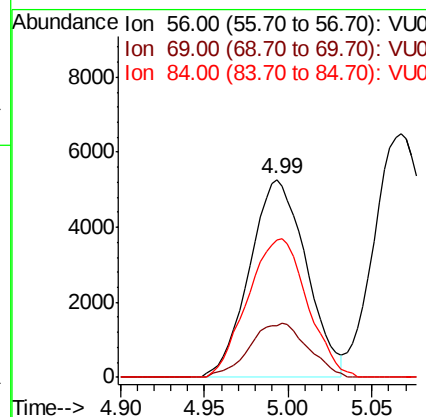
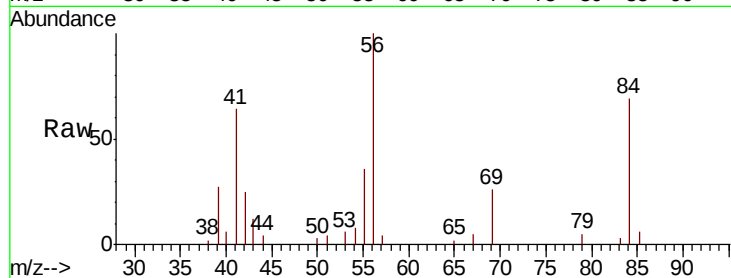
ClientSampleId :

VU1023WBSD01

Tot Ion:	56	Resp:	12458
Ion	Ratio	Lower	Upper
56	100		
69	28.0	25.9	38.9
84	73.4	65.9	98.9

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#20

Methylcyclohexane

Concen: 1.817 ug/l

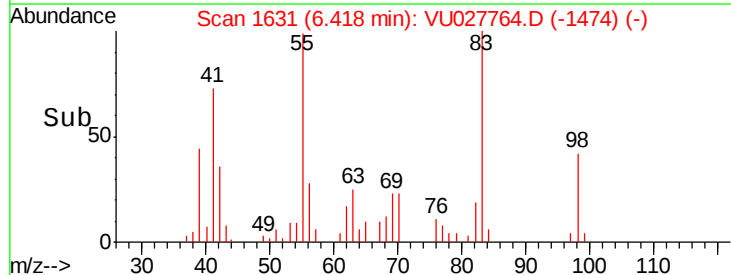
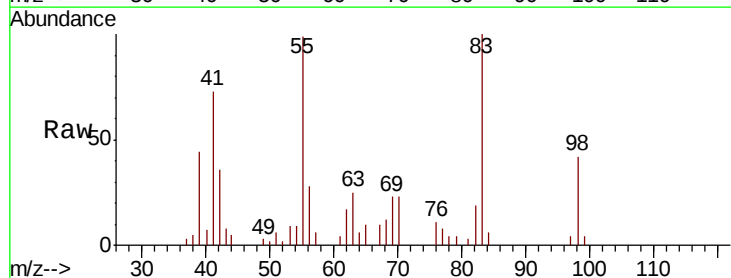
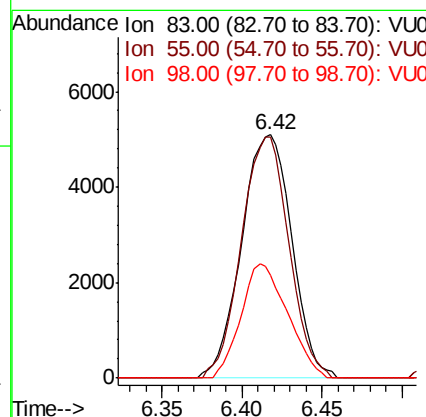
RT: 6.42 min Scan# 1631

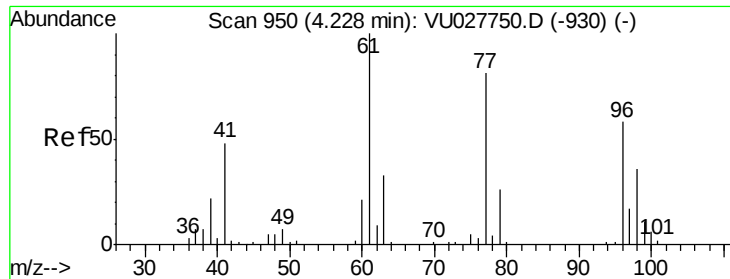
Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Tgt Ion:	83	Resp:	10950
Ion	Ratio	Lower	Upper
83	100		
55	93.8	72.6	108.8
98	43.4	35.0	52.4





#21

2,2-Dichloropropane

Concen: 1.640 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBSD01

Tot Ion: 77 Resp: 9601

Ion Ratio Lower Upper

77 100

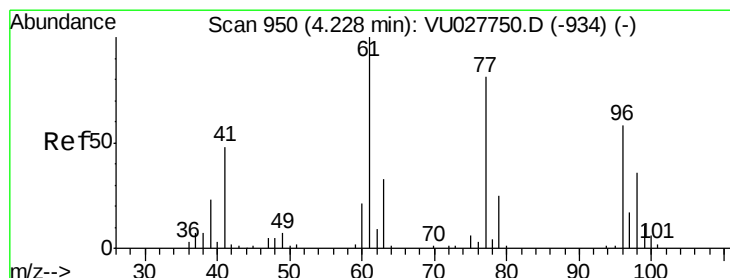
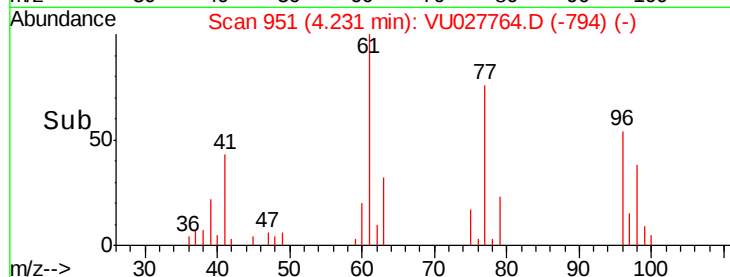
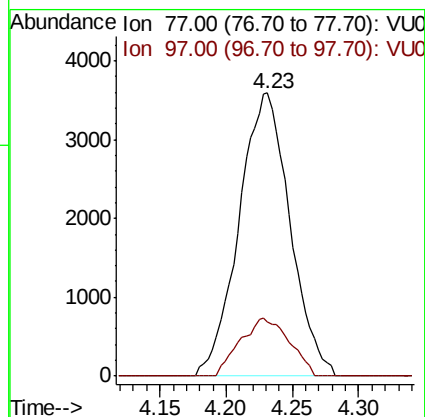
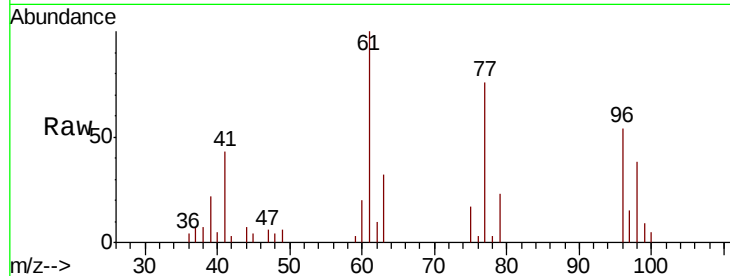
97 19.6 16.9 25.3

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#22

cis-1,2-Dichloroethene

Concen: 1.849 ug/l

RT: 4.23 min Scan# 952

Delta R.T. 0.01 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

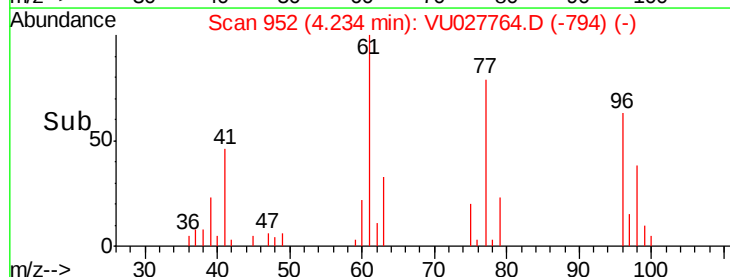
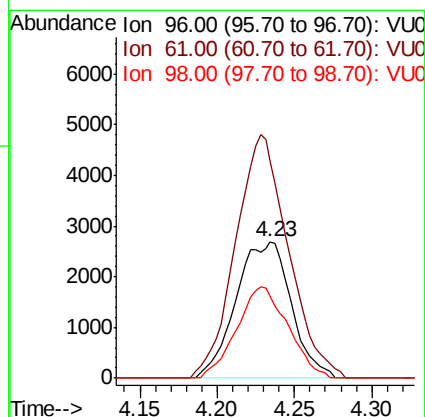
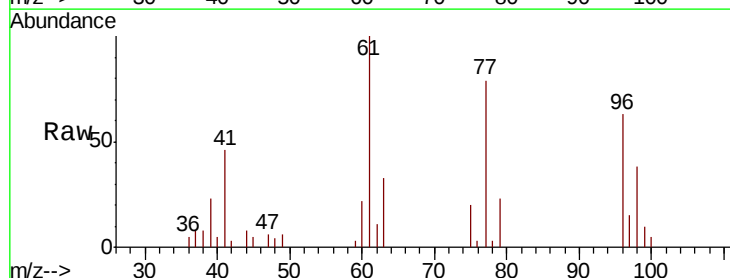
Tgt Ion: 96 Resp: 6650

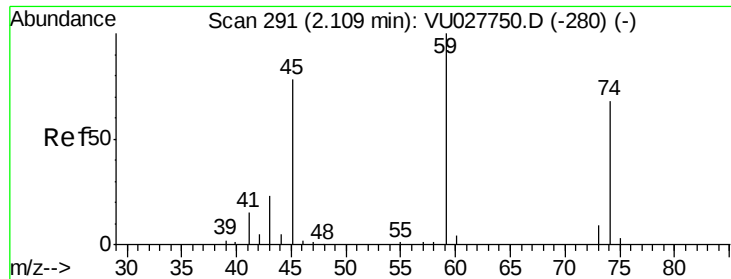
Ion Ratio Lower Upper

96 100

61 170.7 0.0 444.0

98 62.3 31.9 95.5





#23

Diethyl Ether

Concen: 1.830 ug/l

RT: 2.11 min Scan# 290

Delta R.T. -0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Instrument :

MSVOA_U

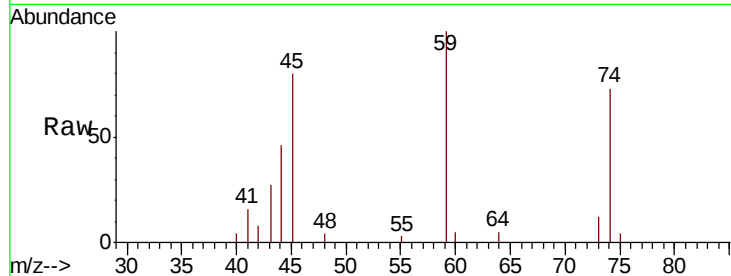
ClientSampleId :

VU1023WBSD01

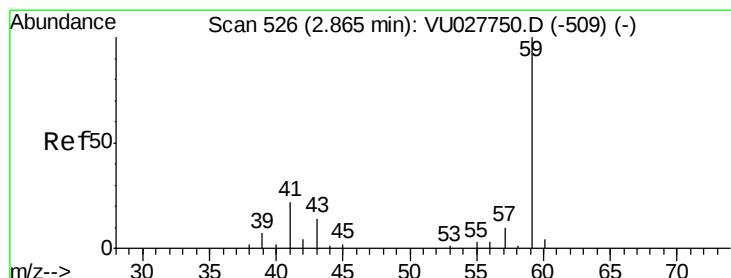
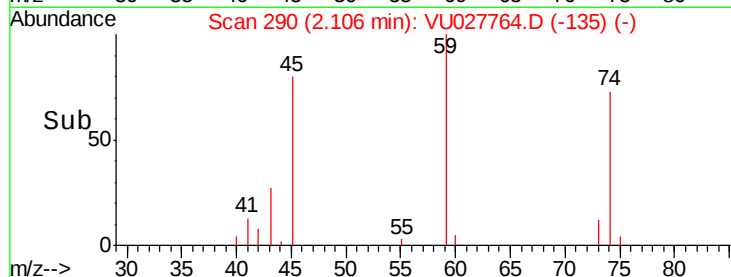
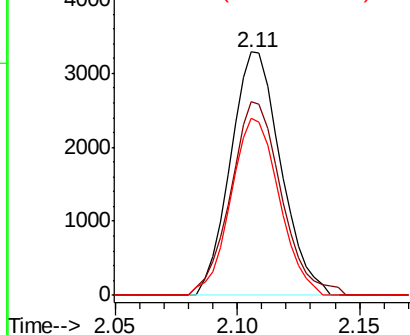
Tot Ion:	59	Resp:	4697
Ion	Ratio	Lower	Upper
59	100		
45	80.2	64.6	96.8
74	70.0	54.8	82.2

Manual Integrations
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Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0



#24

tert-Butyl Alcohol

Concen: 18.373 ug/l

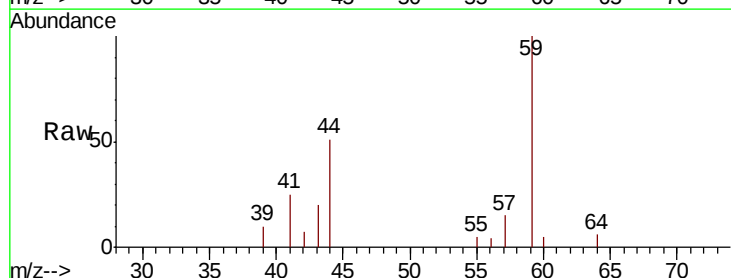
RT: 2.84 min Scan# 519

Delta R.T. -0.02 min

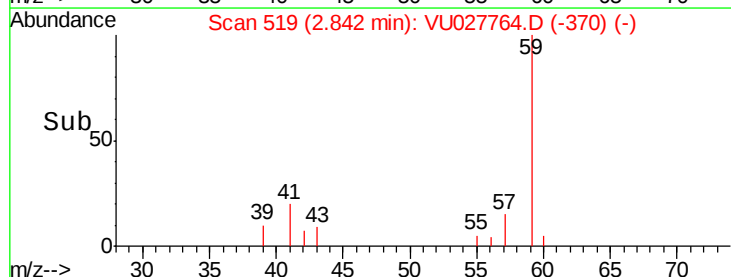
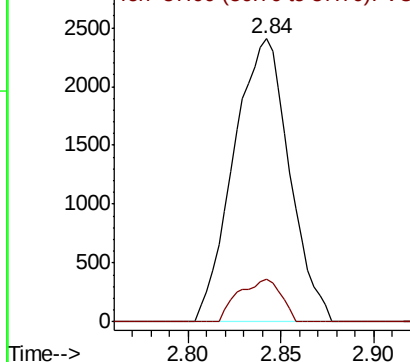
Lab File: VU027764.D

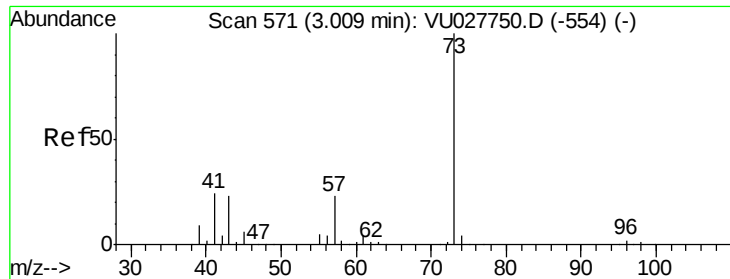
Acq: 23 Oct 2018 15:45

Tgt Ion:	59	Resp:	5029
Ion	Ratio	Lower	Upper
59	100		
57	11.6	4.4	6.6#



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#25

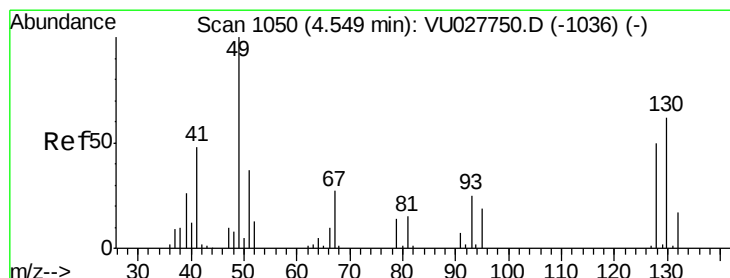
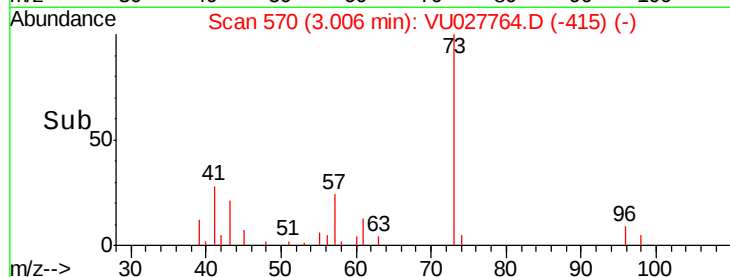
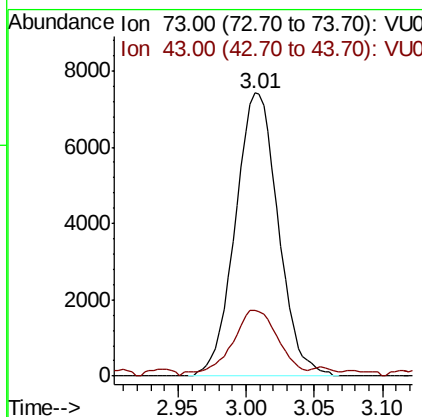
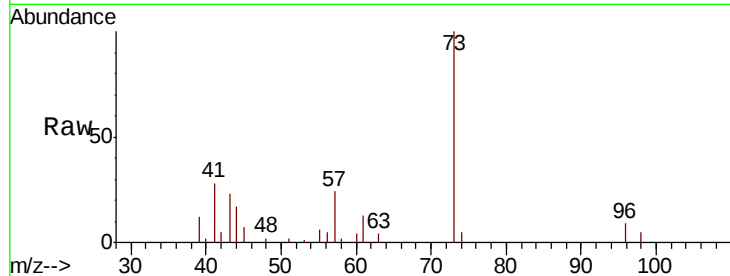
Methyl tert-Butyl Ether
 Concen: 1.885 ug/l
 RT: 3.01 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1023WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
43	25.4	18.6	27.8

Manual Integrations
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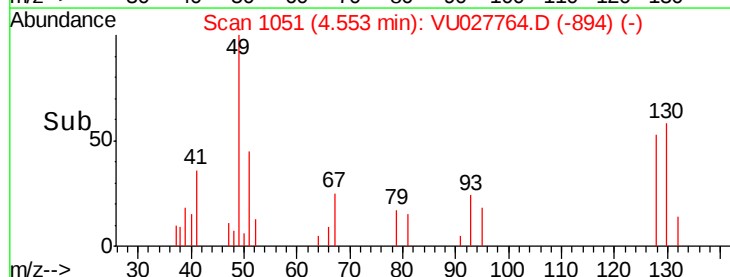
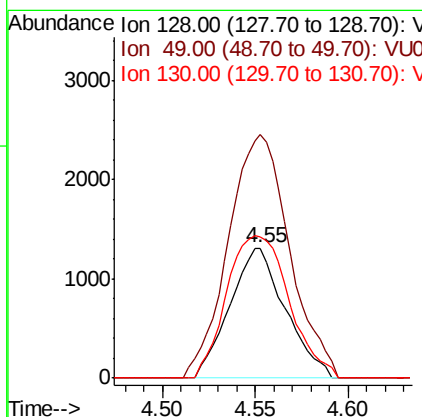
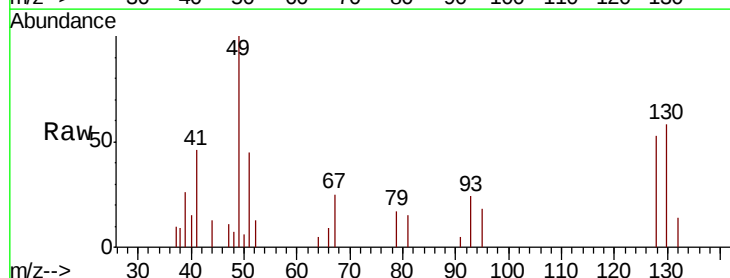
sam
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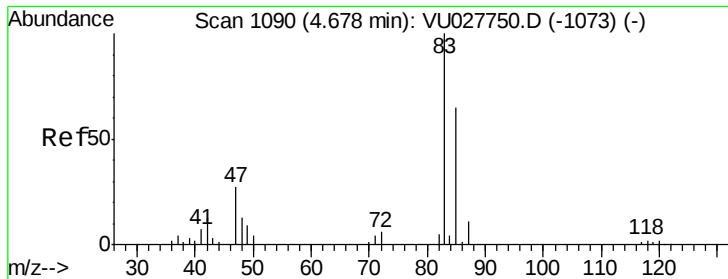


#26

Bromochloromethane
 Concen: 1.889 ug/l
 RT: 4.55 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Tgt Ion	Ratio	Lower	Upper
128	100		
49	206.5	0.0	427.6
130	123.3	103.4	155.0





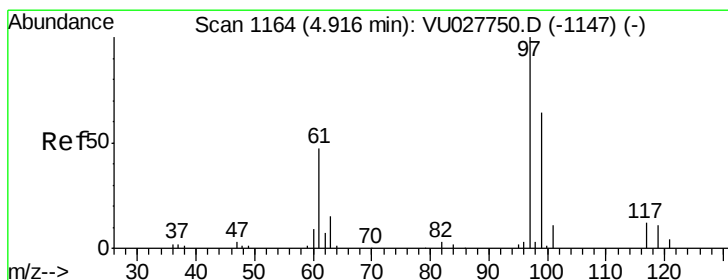
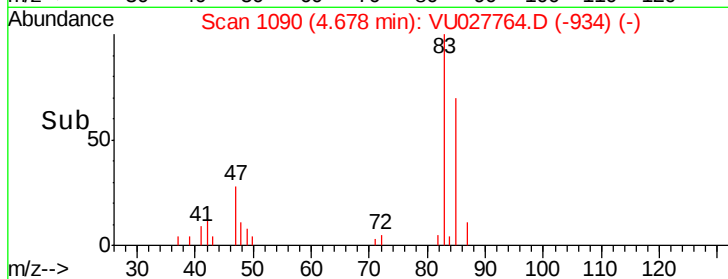
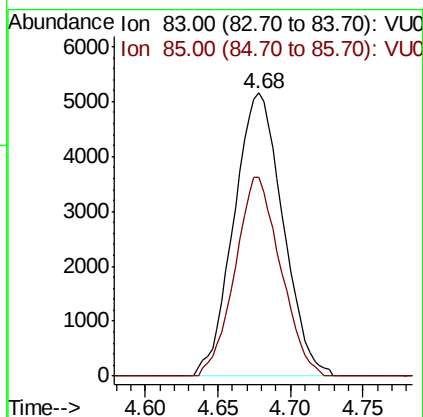
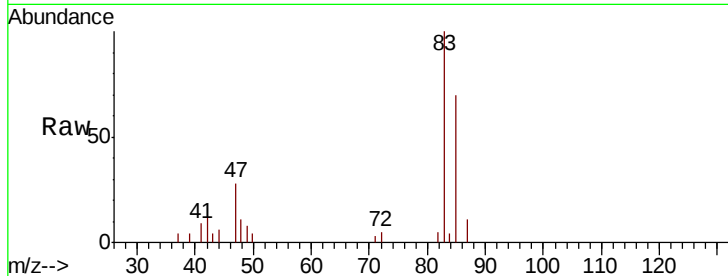
#27
Chloroform
Concen: 1.877 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027764.D
Acq: 23 Oct 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBSD01

Tot Ion	83	Resp	12117
Ion Ratio	100	Lower	Upper
85	70.1	0.0	130.2

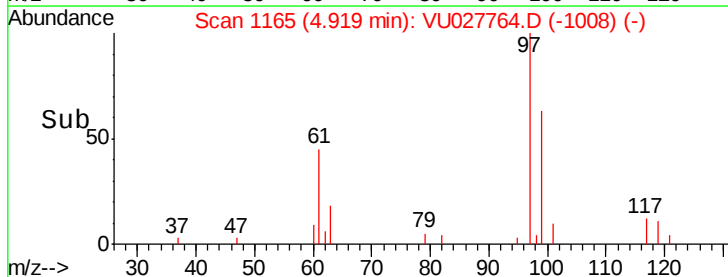
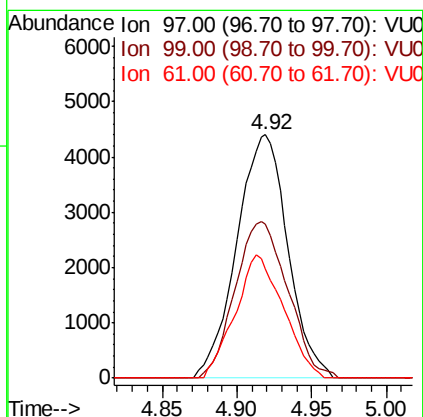
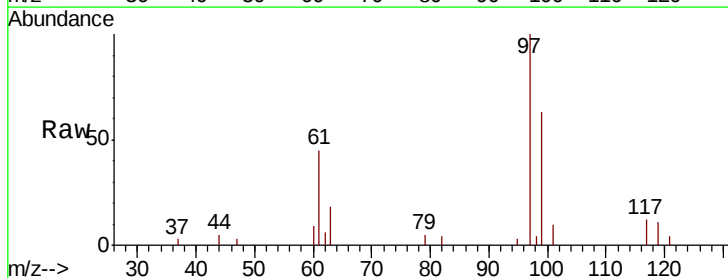
Manual Integrations
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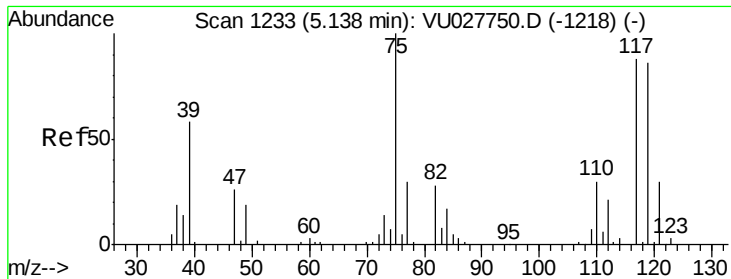
sam
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#28
1,1,1-Trichloroethane
Concen: 1.821 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027764.D
Acq: 23 Oct 2018 15:45

Tgt Ion	97	Resp	10461
Ion Ratio	100	Lower	Upper
99	66.2	31.8	95.4
61	47.7	23.6	70.8





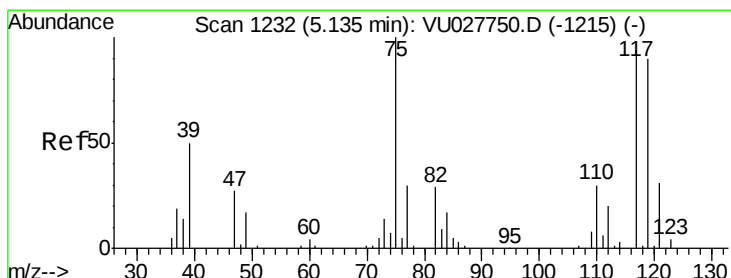
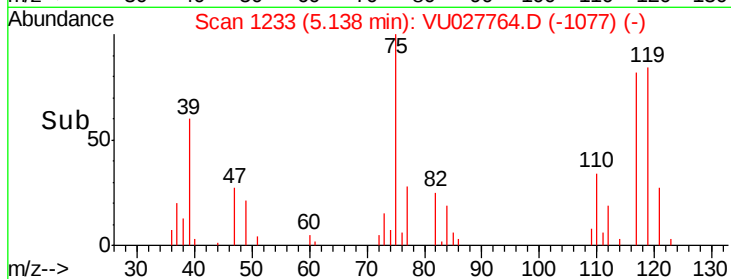
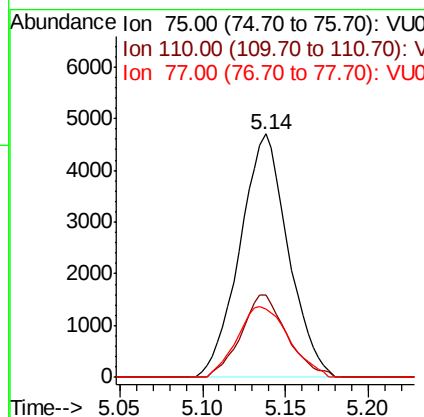
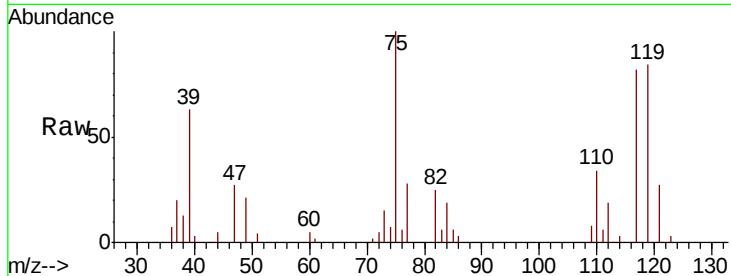
#29
1,1-Dichloropropene
Concen: 1.894 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027764.D
Acq: 23 Oct 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.3	15.6	46.8
77	31.3	24.5	36.7

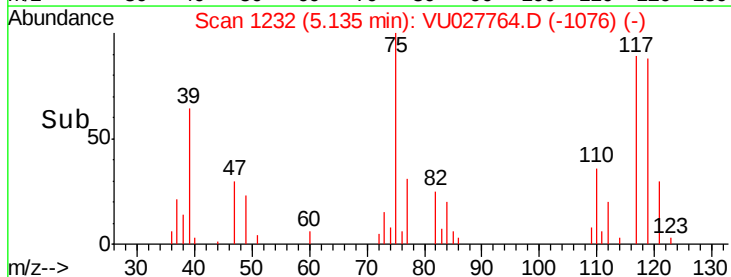
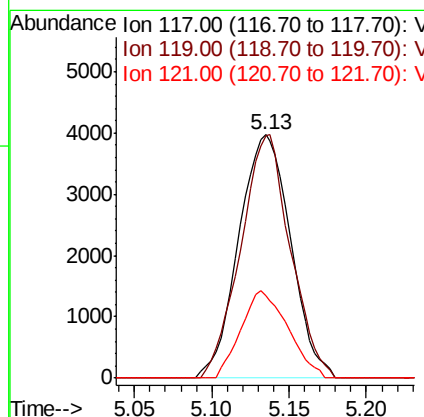
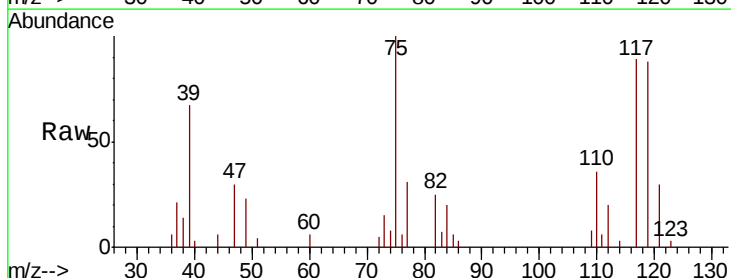
Manual Integrations
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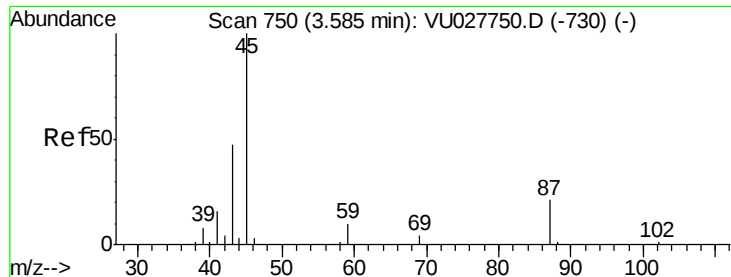
sam
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#30
Carbon Tetrachloride
Concen: 1.804 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU027764.D
Acq: 23 Oct 2018 15:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	76.2	114.4
121	34.1	26.4	39.6





#31

Isopropyl Ether

Concen: 1.868 ug/l

RT: 3.58 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBSD01

Tot Ion: 45 Resp: 22302

Ion Ratio Lower Upper

45 100

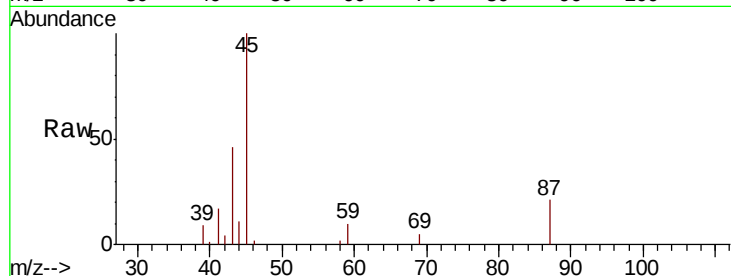
43 51.3 24.5 73.5

Manual Integrations

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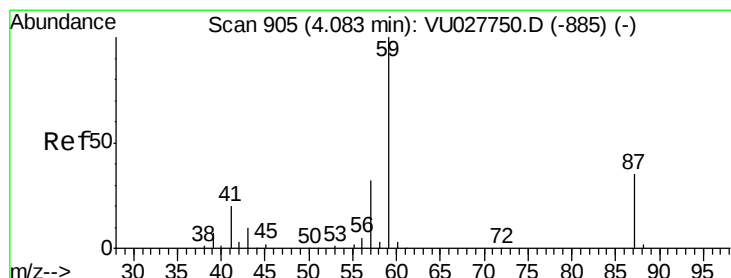
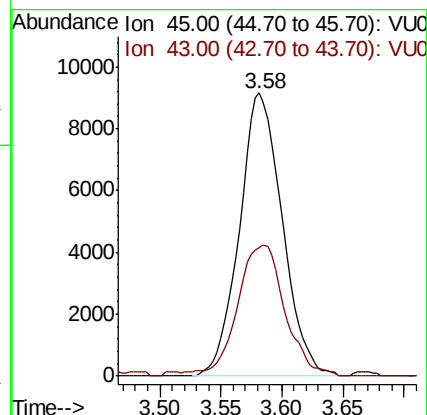
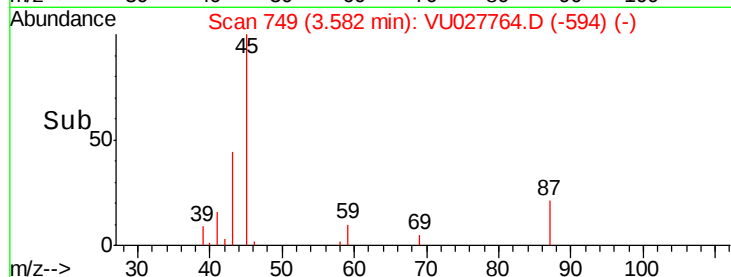


Abundance Ion 45.00 (44.70 to 45.70): VU027750.D (-730) (-)

Ion 43.00 (42.70 to 43.70): VU027750.D (-730) (-)

3.58

Time-->



#32

Ethyl-t-butyl ether

Concen: 1.848 ug/l

RT: 4.08 min Scan# 905

Delta R.T. 0.00 min

Lab File: VU027764.D

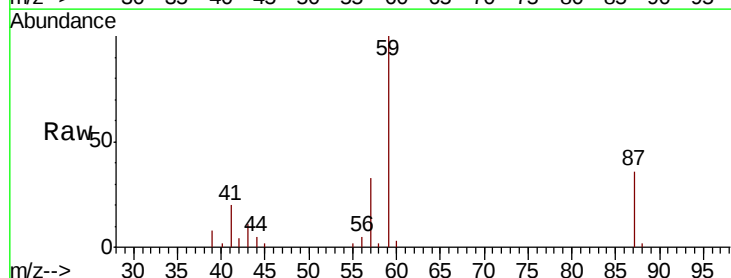
Acq: 23 Oct 2018 15:45

Tgt Ion: 59 Resp: 19577

Ion Ratio Lower Upper

59 100

87 36.0 29.4 44.0

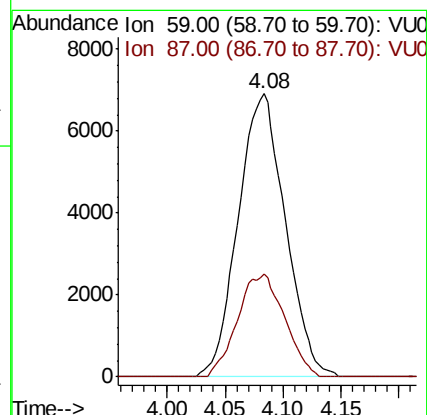
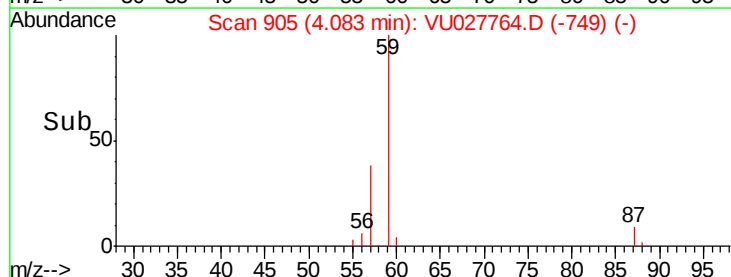


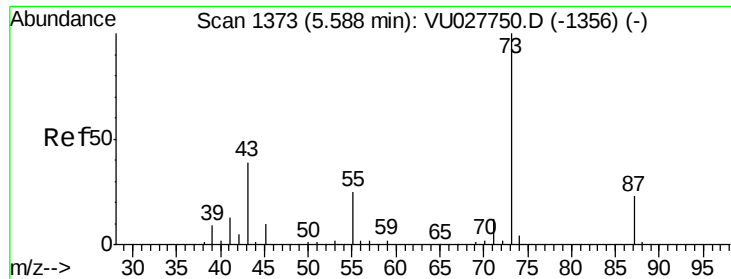
Abundance Ion 59.00 (58.70 to 59.70): VU027750.D (-885) (-)

Ion 87.00 (86.70 to 87.70): VU027750.D (-885) (-)

4.08

Time-->





#33

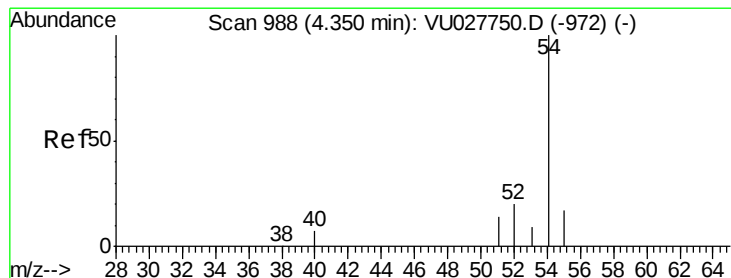
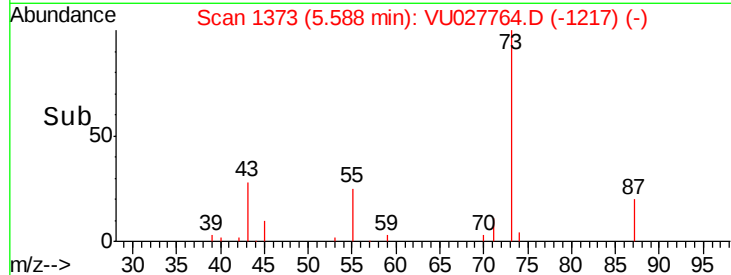
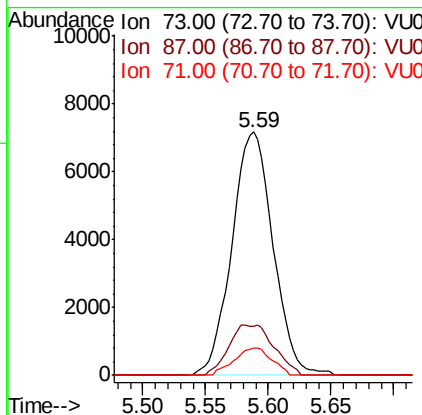
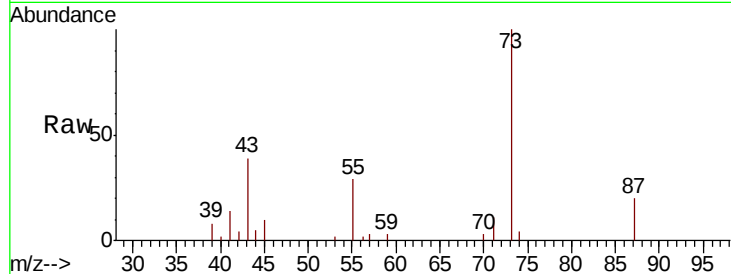
Tert-Amvl methvl ether
 Concen: 1.823 ug/l
 RT: 5.59 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1023WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
87	11.0	18.5	27.7#
71	10.2	9.1	13.7

Manual Integrations
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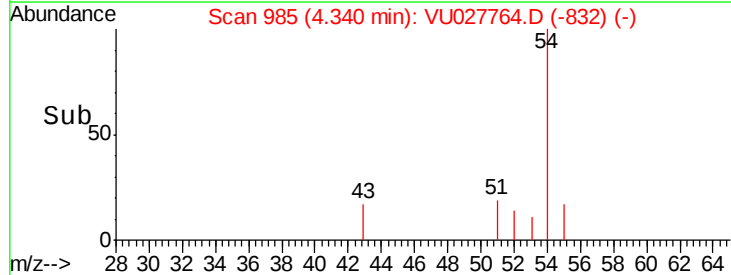
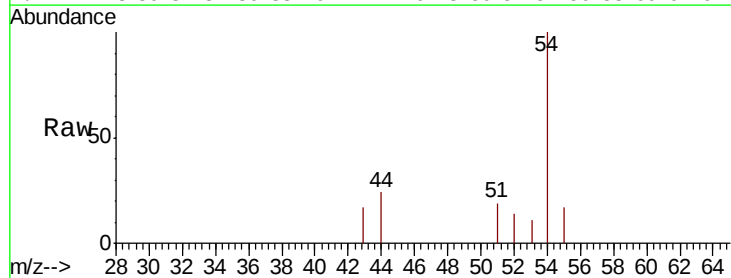
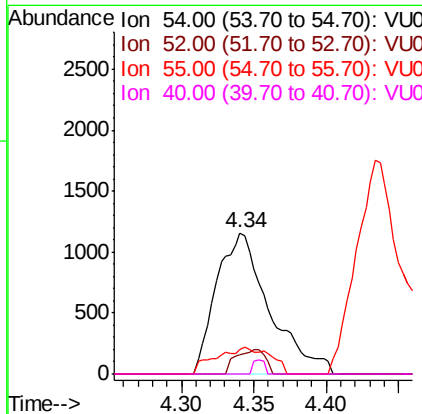
sam
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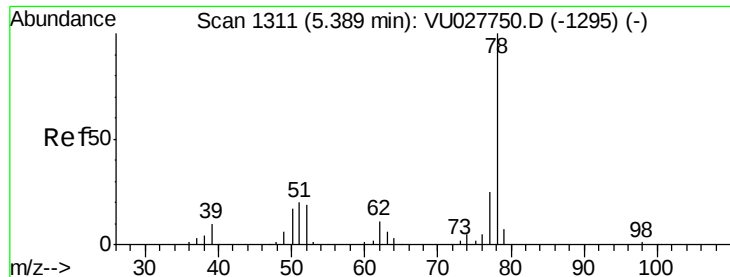


#34

Propionitrile
 Concen: 9.860 ug/l
 RT: 4.34 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Tgt Ion	Ratio	Lower	Upper
54	100		
52	9.4	15.5	23.3#
55	19.5	12.6	18.8#
40	2.2	6.1	9.1#





#35

Benzene

Concen: 1.869 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBSD01

Tot Ion: 78 Resp: 26210

Ion Ratio Lower Upper

78 100

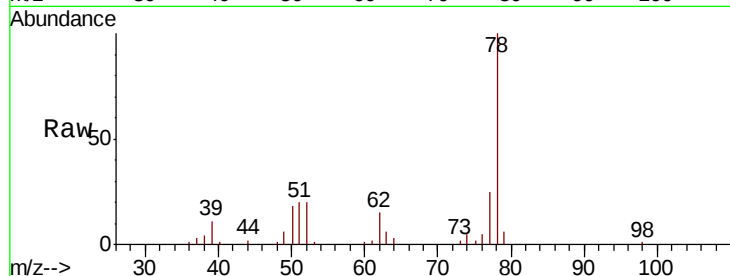
77 25.1 19.9 29.9

Manual Integrations

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Abundance Ion 78.10 (77.80 to 78.80): VU027750.D (-1295) (-)

Ion 77.00 (76.70 to 77.70): VU027750.D (-1295) (-)

5.39

15000

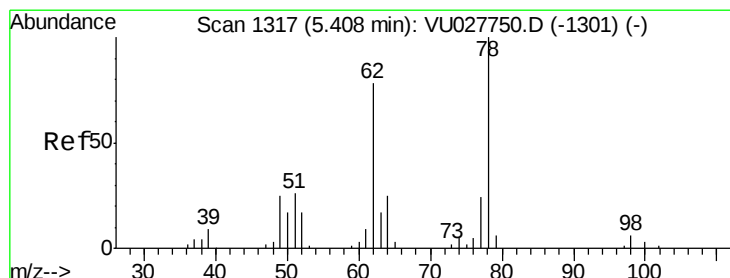
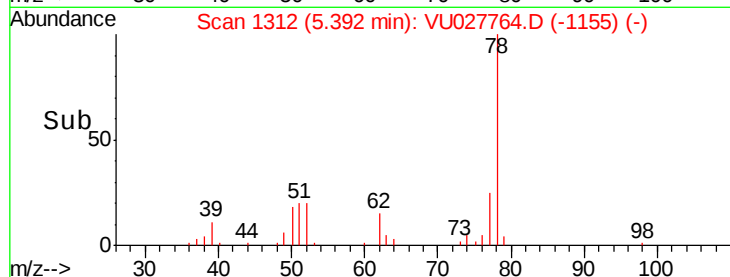
10000

5000

0

Time-->

5.30 5.35 5.40 5.45 5.50



#36

1,2-Dichloroethane

Concen: 1.865 ug/l

RT: 5.41 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VU027764.D

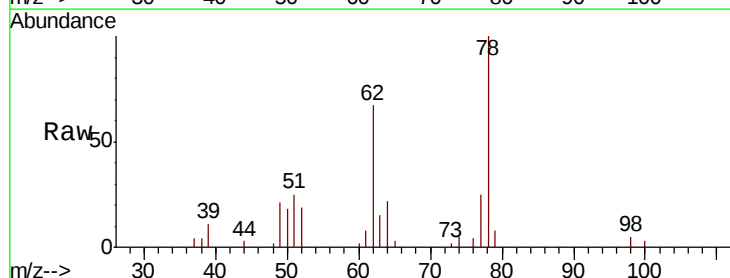
Acq: 23 Oct 2018 15:45

Tgt Ion: 62 Resp: 8705

Ion Ratio Lower Upper

62 100

98 6.4 5.8 8.6



Abundance Ion 62.00 (61.70 to 62.70): VU027750.D (-1301) (-)

Ion 98.00 (97.70 to 98.70): VU027750.D (-1301) (-)

5.41

4000

3000

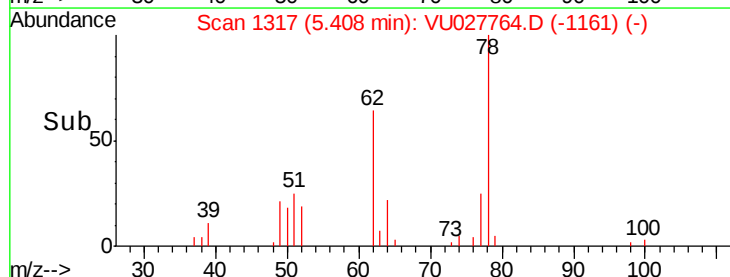
2000

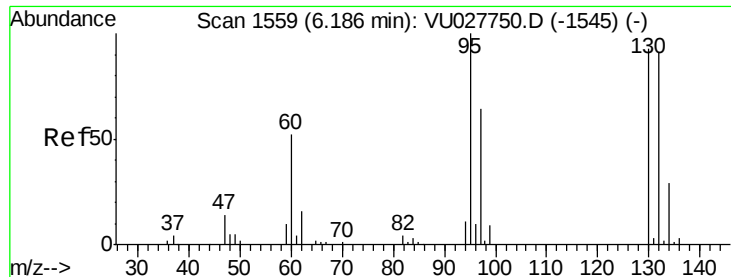
1000

0

Time-->

5.35 5.40 5.45 5.50





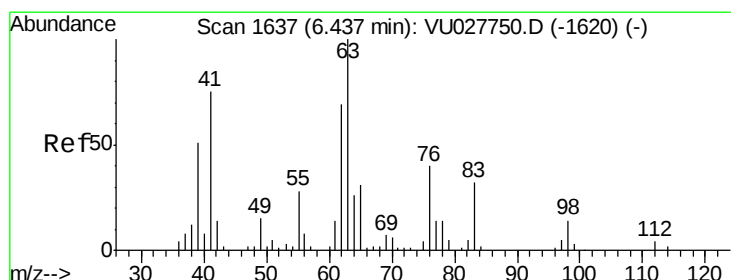
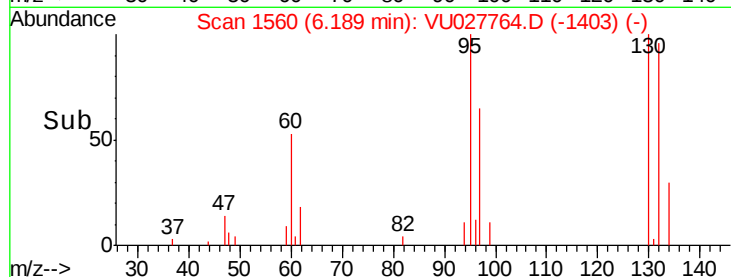
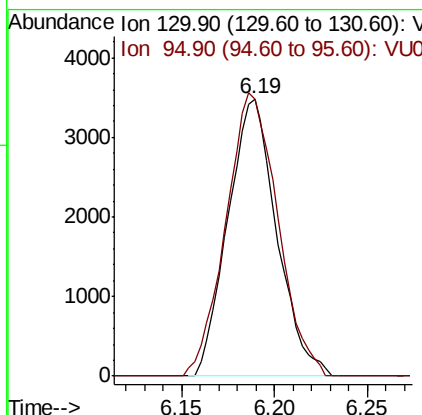
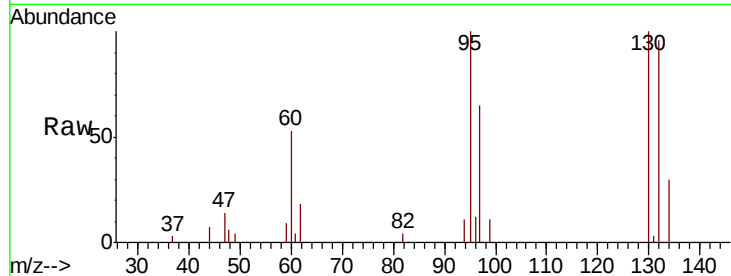
#37
 Trichloroethene
 Concen: 1.841 ug/l
 RT: 6.19 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1023WBSD01

Tot Ion:130 Resp: 6368
 Ion Ratio Lower Upper
 130 100
 95 100.0 86.4 129.6

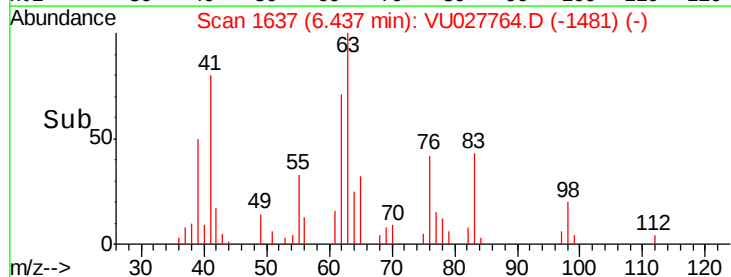
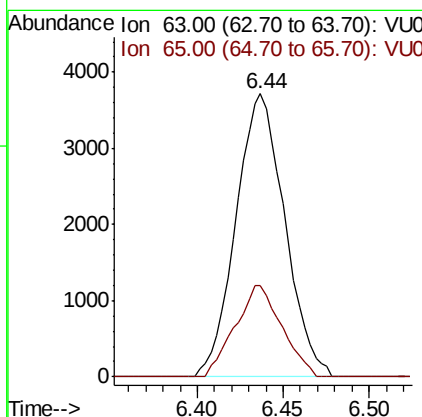
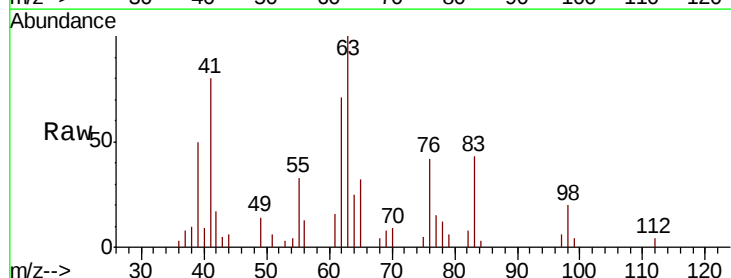
Manual Integrations
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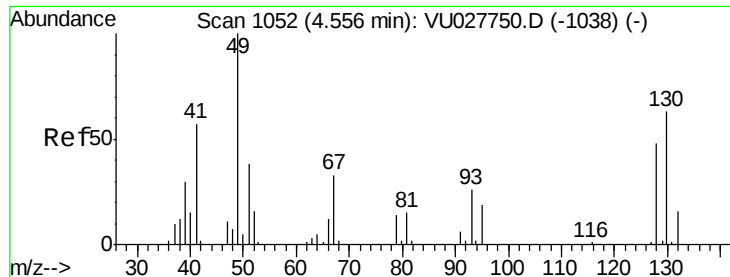
sam
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#38
 1,2-Dichloropropane
 Concen: 1.864 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Tgt Ion: 63 Resp: 7338
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.9 37.3





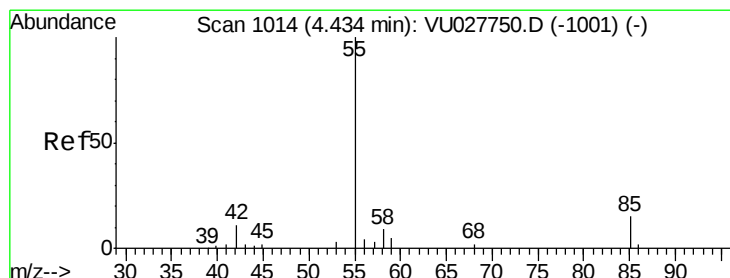
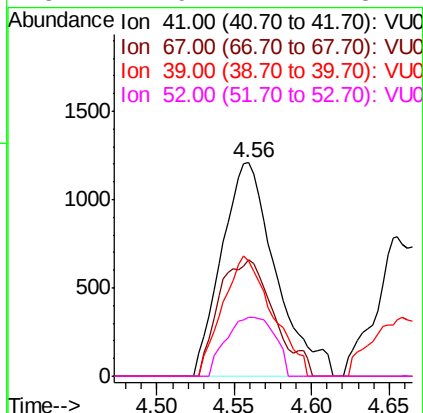
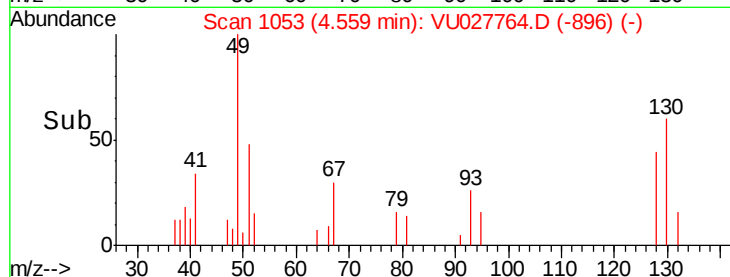
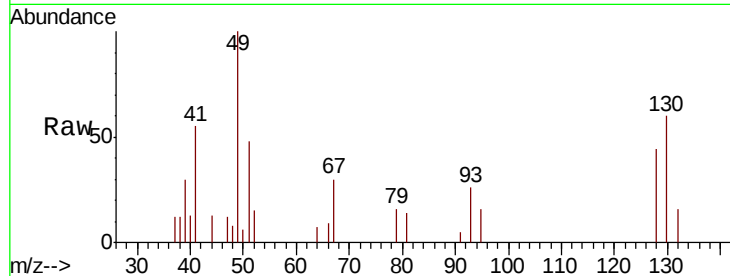
#39
Methacrylonitrile
Concen: 1.787 ug/l
RT: 4.56 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VU027764.D
Acq: 23 Oct 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBSD01

Tot Ion:	41	Resp:	2933
Ion	Ratio	Lower	Upper
41	100		
67	55.6	46.1	69.1
39	51.4	43.6	65.4
52	24.9	21.4	32.2

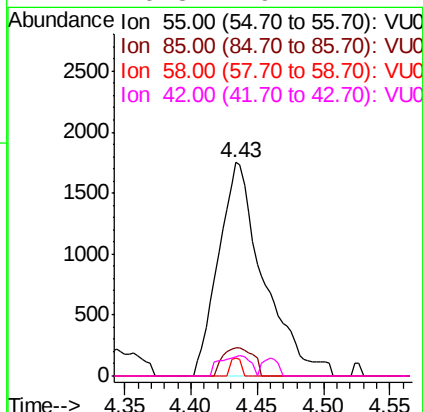
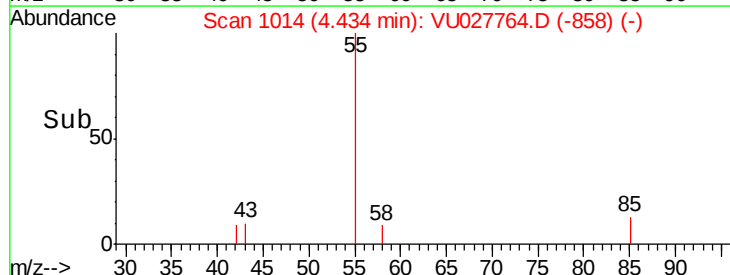
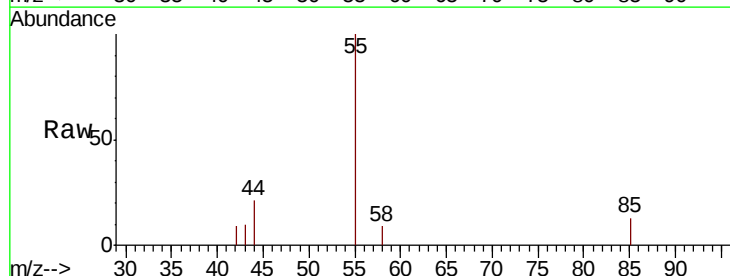
Manual Integrations
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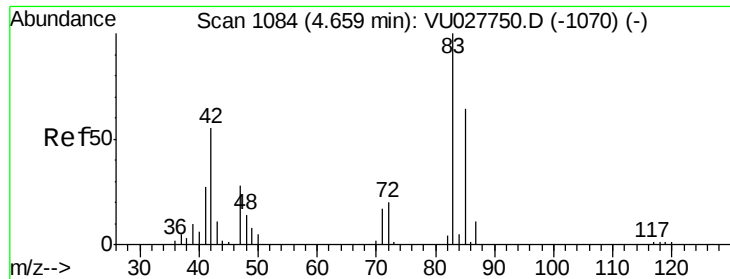
sam
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#40
Methyl acrylate
Concen: 1.943 ug/l
RT: 4.43 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VU027764.D
Acq: 23 Oct 2018 15:45

Tgt Ion:	55	Resp:	4153
Ion	Ratio	Lower	Upper
55	100		
85	8.8	11.8	17.6#
58	2.0	7.0	10.4#
42	6.3	9.4	14.2#





#41

Tetrahydrofuran

Concen: 3.794 ug/l

RT: 4.67 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Instrument :

MSVOA_U

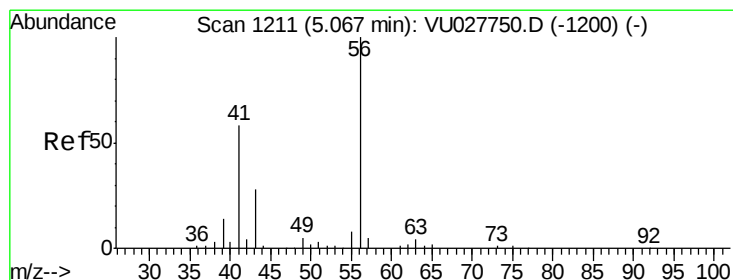
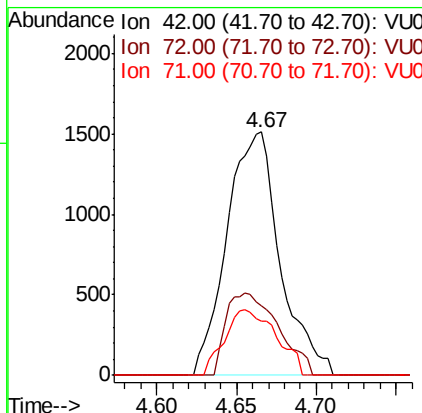
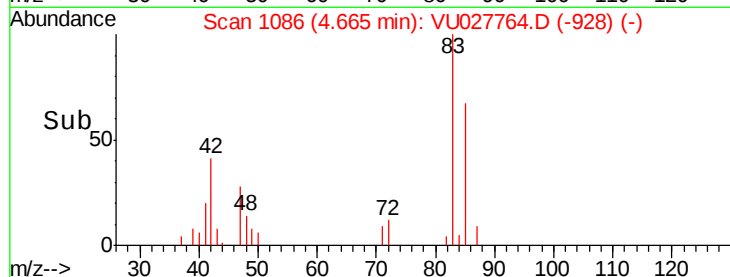
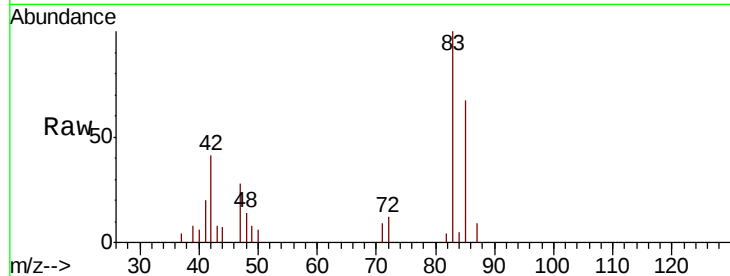
ClientSampleId :

VU1023WBSD01

Tot Ion:	42	Resp:	3440
Ion	Ratio	Lower	Upper
42	100		
72	33.3	30.6	45.8
71	26.2	25.2	37.8

Manual Integrations
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sam
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#42

1-Chlorobutane

Concen: 1.869 ug/l

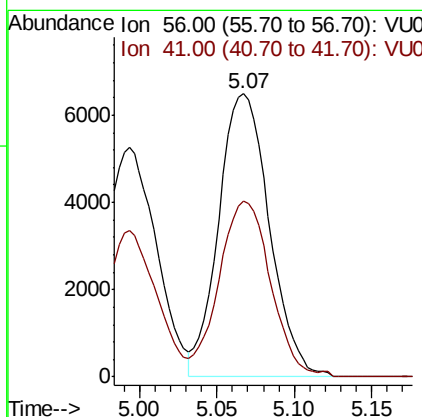
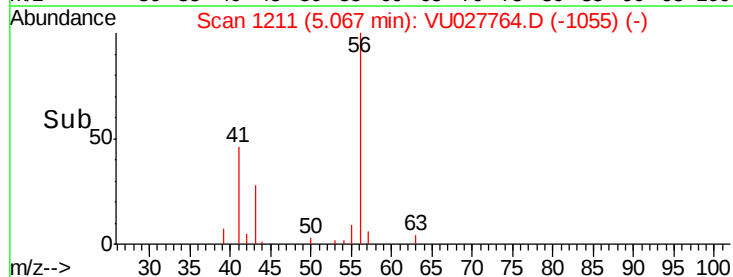
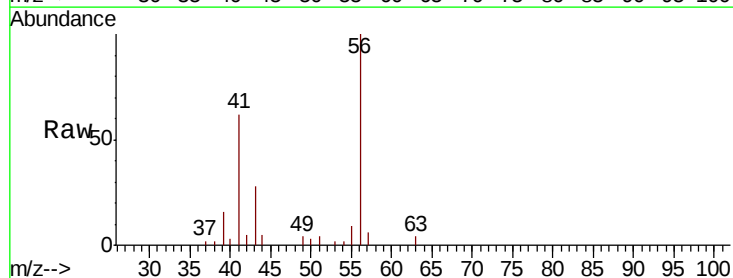
RT: 5.07 min Scan# 1211

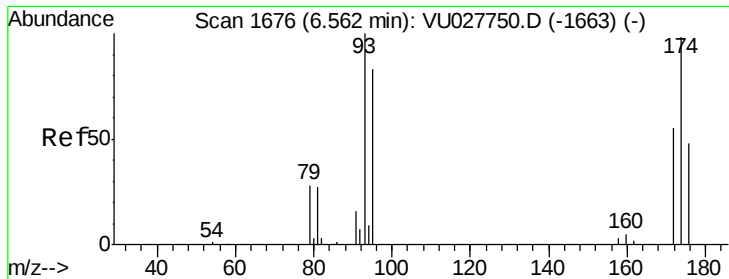
Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Tgt Ion:	56	Resp:	14795
Ion	Ratio	Lower	Upper
56	100		
41	63.2	29.4	88.2





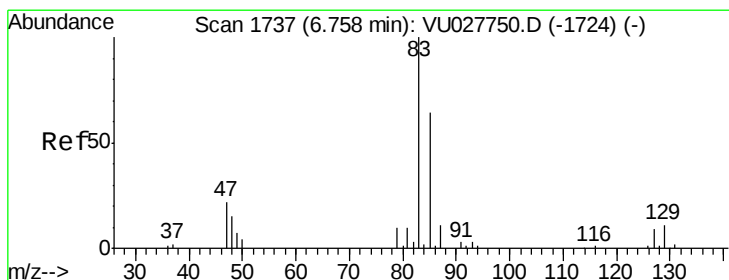
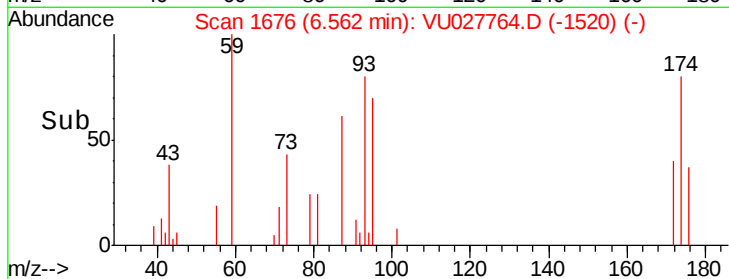
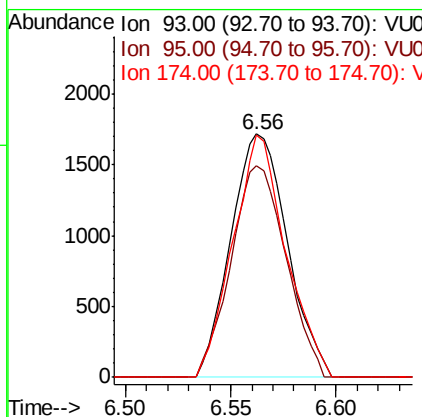
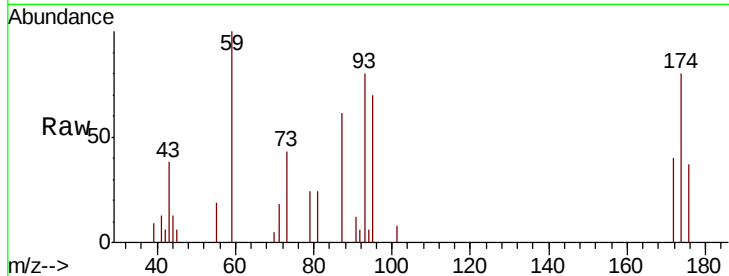
#43
 Dibromomethane
 Concen: 1.785 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1023WBSD01

Tot Ion: 93 Resp: 3195
 Ion Ratio Lower Upper
 93 100
 95 84.7 64.2 96.2
 174 93.2 76.7 115.1

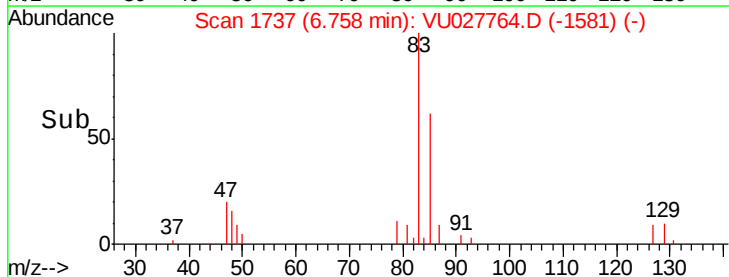
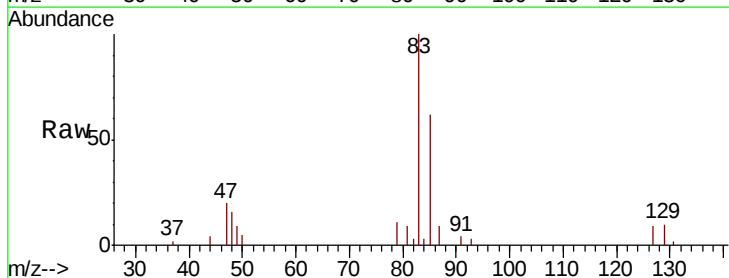
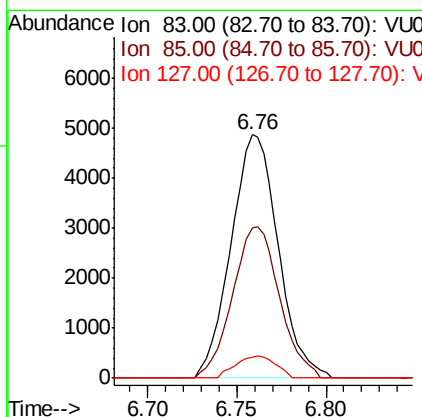
Manual Integrations
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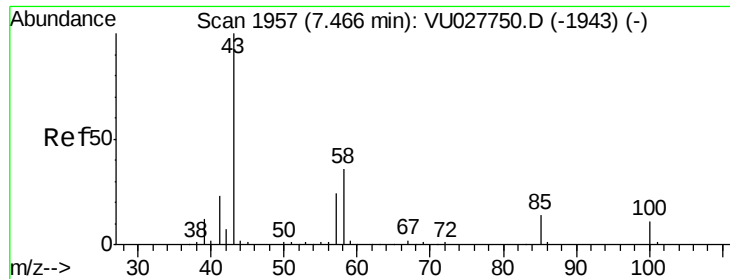
sam
 10/24/2018 2:20:28 PM



#44
 Bromodichloromethane
 Concen: 1.848 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Tgt Ion: 83 Resp: 8984
 Ion Ratio Lower Upper
 83 100
 85 61.9 51.5 77.3
 127 8.7 7.0 10.4





#45

4-Methyl-2-Pentanone

Concen: 9.074 ug/l

RT: 7.47 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Instrument :

MSVOA_U

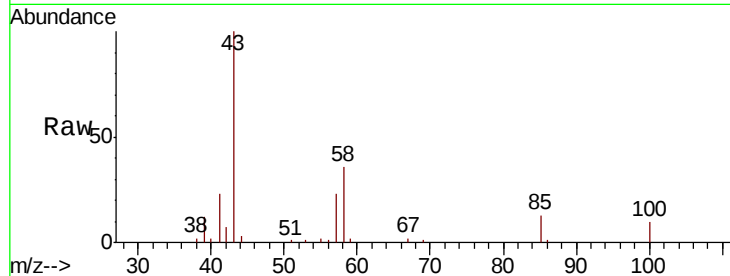
ClientSampleId :

VU1023WBSD01

Tot Ion:	43	Resp:	26369
Ion	Ratio	Lower	Upper
43	100		
58	34.4	17.9	53.8
85	12.8	11.4	17.0

Manual Integrations
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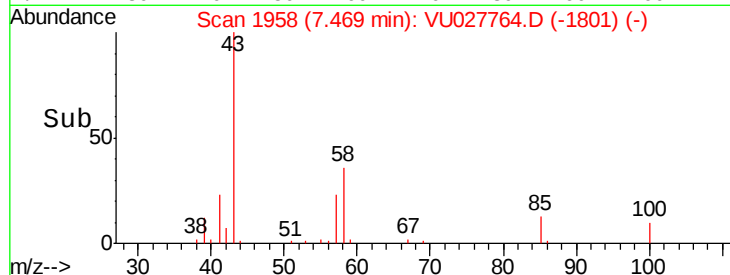


Abundance Ion 43.00 (42.70 to 43.70): VU027750.D (-1943) (-)

Ion 58.00 (57.70 to 58.70): VU027750.D (-1943) (-)

Ion 85.00 (84.70 to 85.70): VU027750.D (-1943) (-)

Time-->



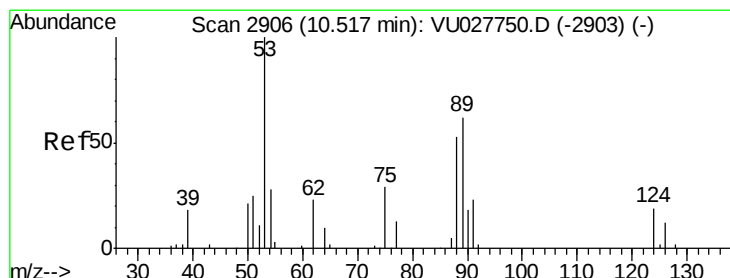
Abundance

Ion 43.00 (42.70 to 43.70): VU027764.D (-1801) (-)

Ion 58.00 (57.70 to 58.70): VU027764.D (-1801) (-)

Ion 85.00 (84.70 to 85.70): VU027764.D (-1801) (-)

Time-->



#46

t-1,4-Dichloro-2-butene

Concen: 3.180 ug/l m

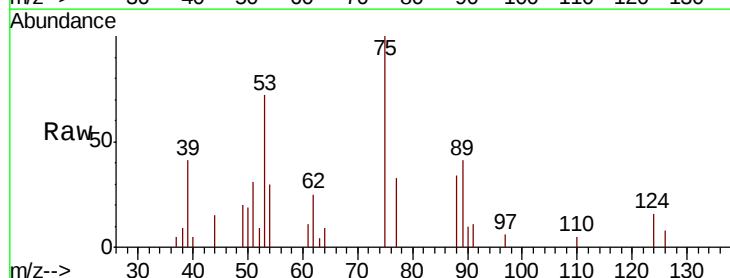
RT: 10.52 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Tgt Ion:	75	Resp:	3332
Ion	Ratio	Lower	Upper
75	100		
53	91.7	68.2	102.4
89	49.3	41.8	62.6
88	40.2	33.8	50.8



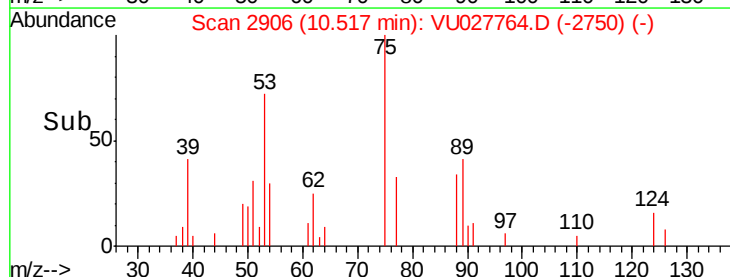
Abundance Ion 74.90 (74.60 to 75.60): VU027750.D (-2903) (-)

Ion 53.00 (52.70 to 53.70): VU027750.D (-2903) (-)

Ion 88.80 (88.50 to 89.50): VU027750.D (-2903) (-)

Ion 87.80 (87.50 to 88.50): VU027750.D (-2903) (-)

Time-->



Abundance

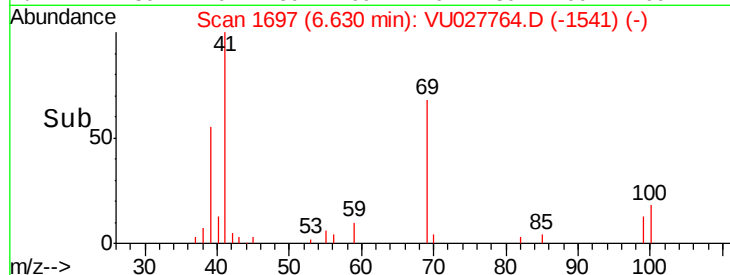
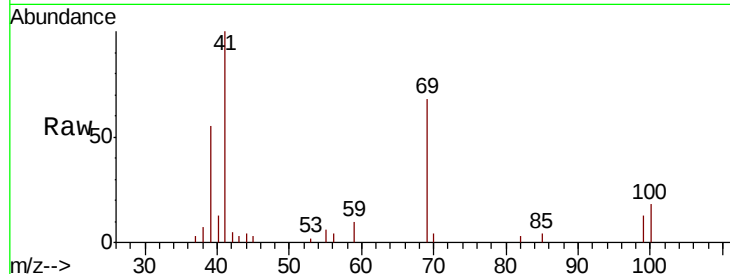
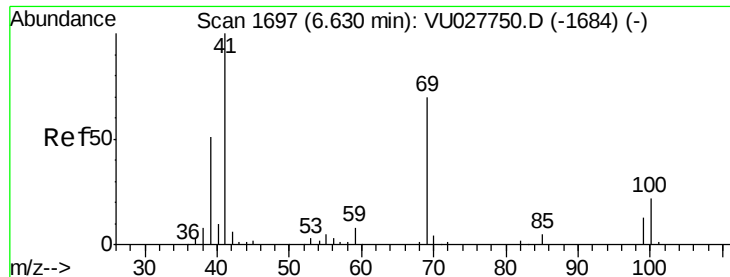
Ion 74.90 (74.60 to 75.60): VU027764.D (-2750) (-)

Ion 53.00 (52.70 to 53.70): VU027764.D (-2750) (-)

Ion 88.80 (88.50 to 89.50): VU027764.D (-2750) (-)

Ion 87.80 (87.50 to 88.50): VU027764.D (-2750) (-)

Time-->



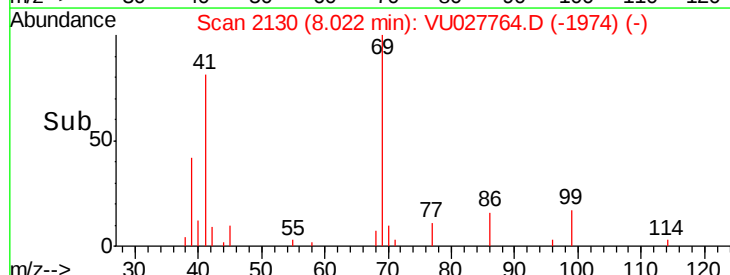
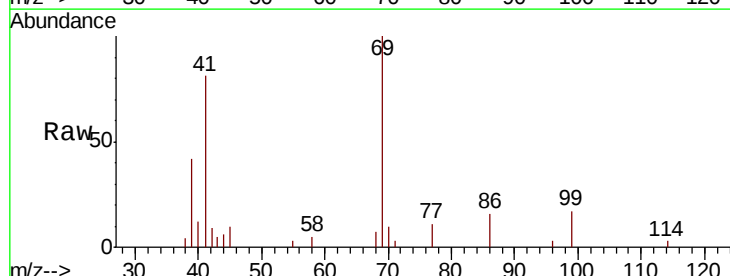
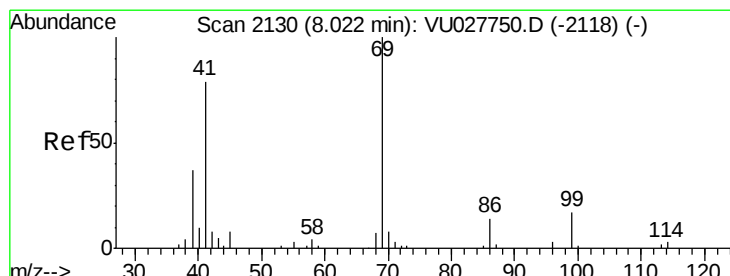
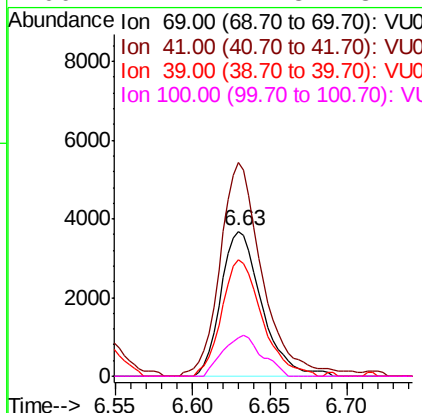
#47
Methyl methacrylate
Concen: 3.569 ug/l
RT: 6.63 min Scan# 1697
Delta R.T. 0.00 min
Lab File: VU027764.D
Acq: 23 Oct 2018 15:45

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	153.2	0.0	281.2	
39	79.4	58.6	88.0	
100	27.1	24.8	37.2	

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBSD01

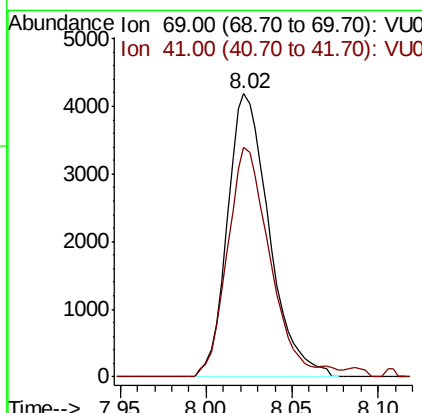
Manual Integrations
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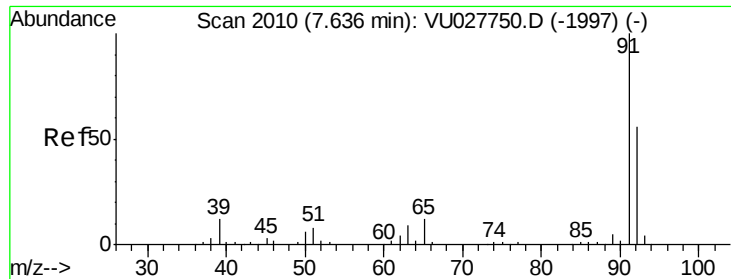
sam
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#48
Ethyl methacrylate
Concen: 1.797 ug/l
RT: 8.02 min Scan# 2130
Delta R.T. 0.00 min
Lab File: VU027764.D
Acq: 23 Oct 2018 15:45

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	81.7	39.1	117.2	





#49

Toluene

Concen: 1.820 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBSD01

Tot Ion: 92 Resp: 15140

Ion Ratio Lower Upper

92 100

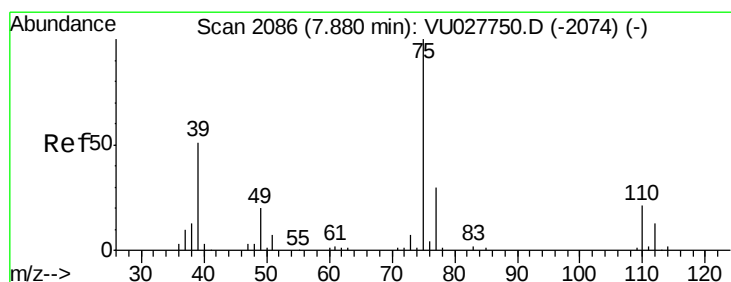
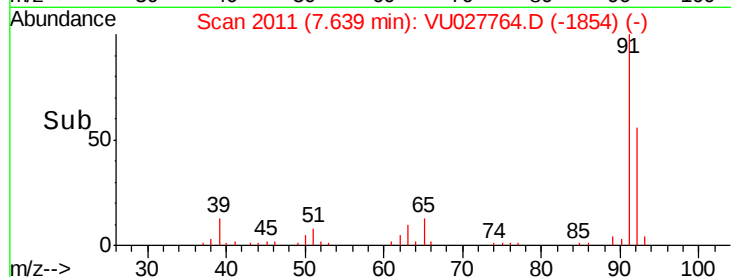
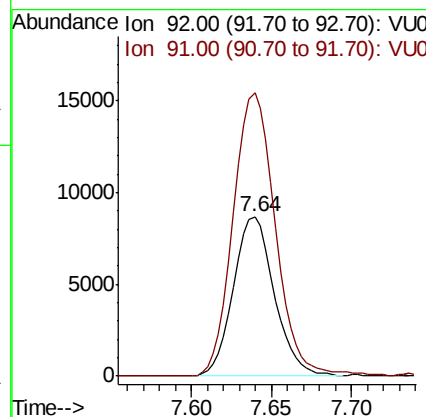
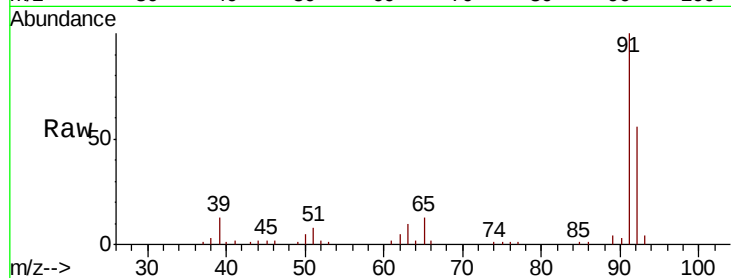
91 184.2 141.8 212.8

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 1.770 ug/l

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027764.D

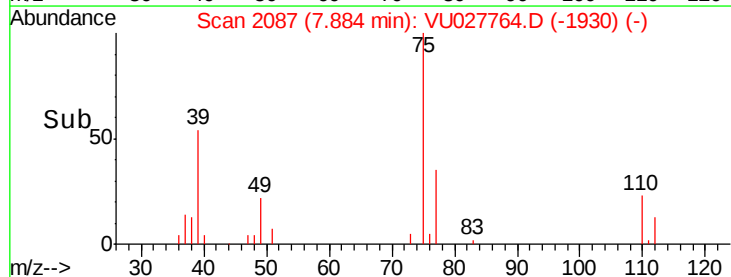
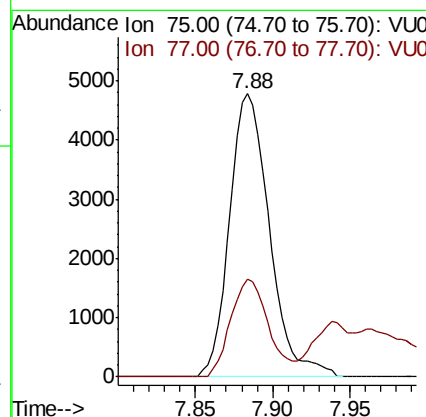
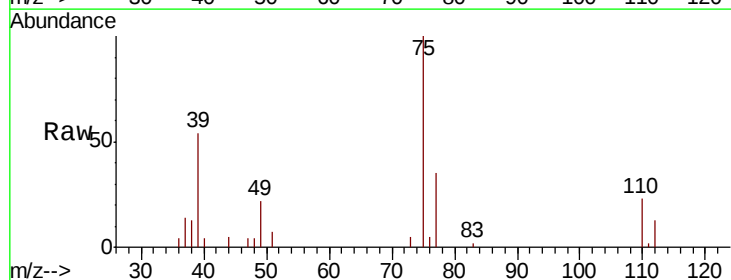
Acq: 23 Oct 2018 15:45

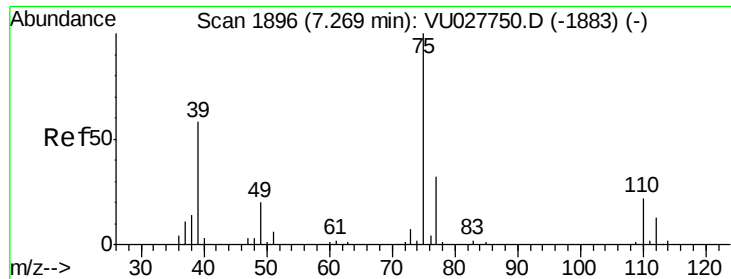
Tgt Ion: 75 Resp: 8573

Ion Ratio Lower Upper

75 100

77 34.7 24.1 36.1





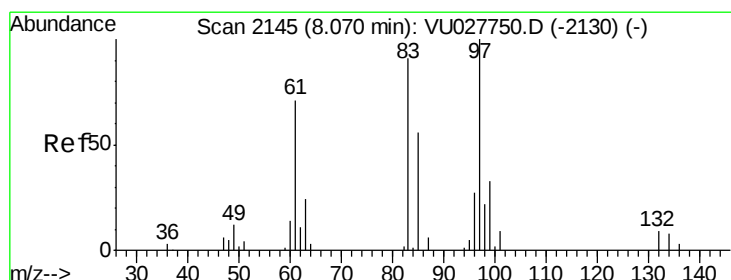
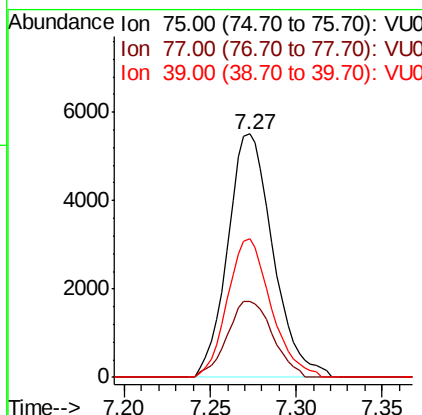
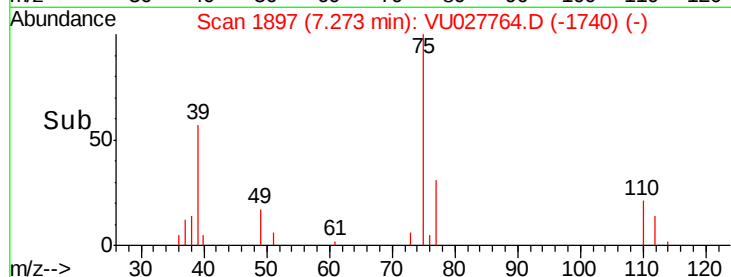
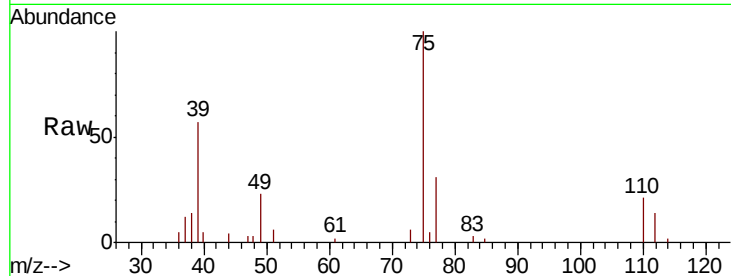
#51
 cis-1,3-Dichloropropene
 Concen: 1.767 ug/l
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1023WBSD01

Tot Ion:	75	Resp:	10082
Ion Ratio	Lower	Upper	
75	100		
77	31.2	25.3	37.9
39	56.9	46.4	69.6

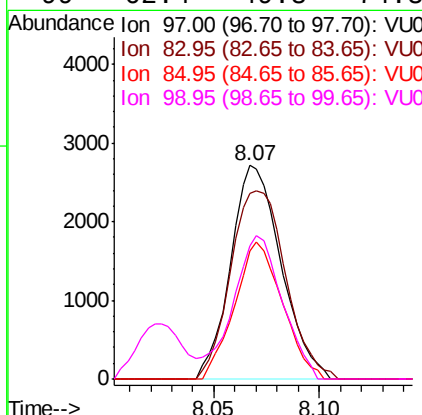
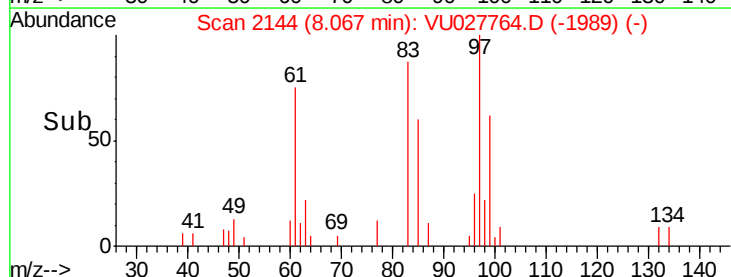
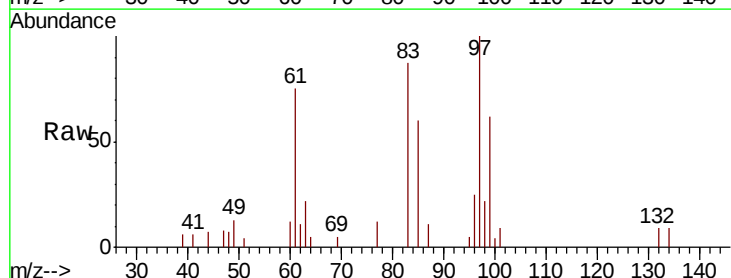
Manual Integrations
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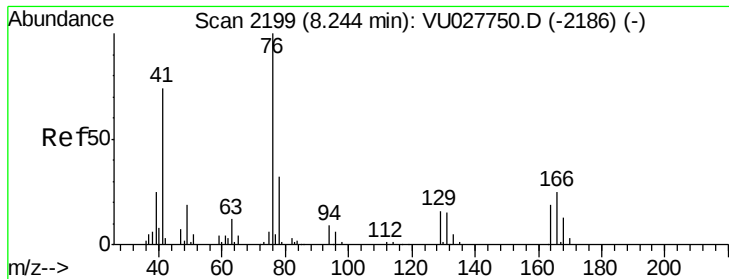
sam
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#52
 1,1,2-Trichloroethane
 Concen: 1.867 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Tgt Ion:	97	Resp:	4514
Ion Ratio	Lower	Upper	
97	100		
83	86.8	73.0	109.6
85	59.7	46.5	69.7
99	62.4	49.8	74.8





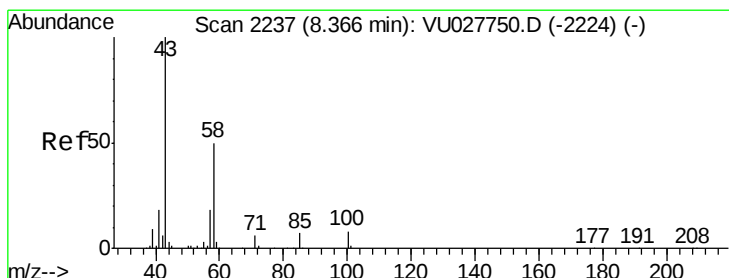
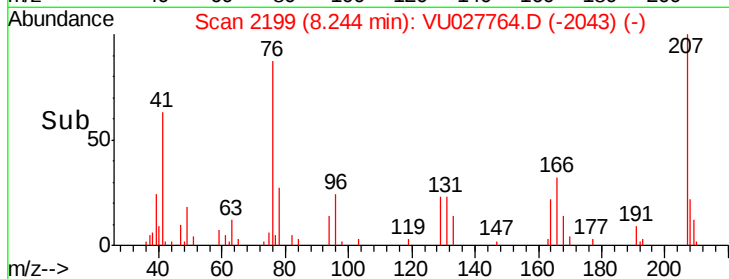
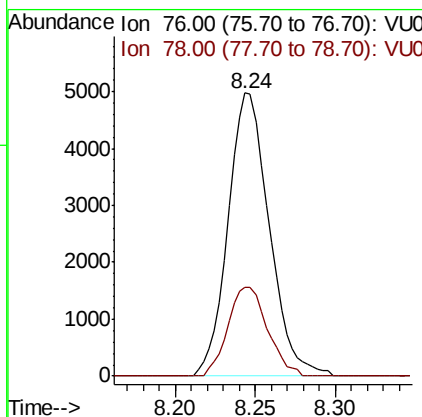
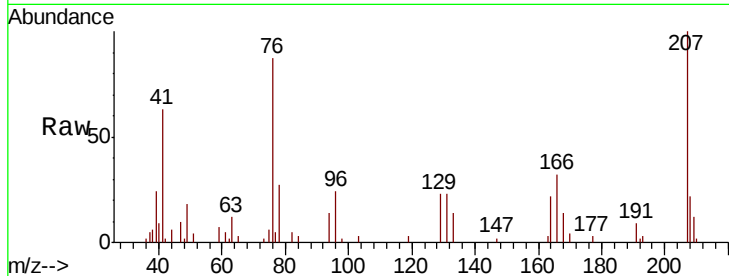
#53
 1,3-Dichloropropane
 Concen: 1.880 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1023WBSD01

Tot Ion: 76 Resp: 8732
 Ion Ratio Lower Upper
 76 100
 78 30.2 25.4 38.0

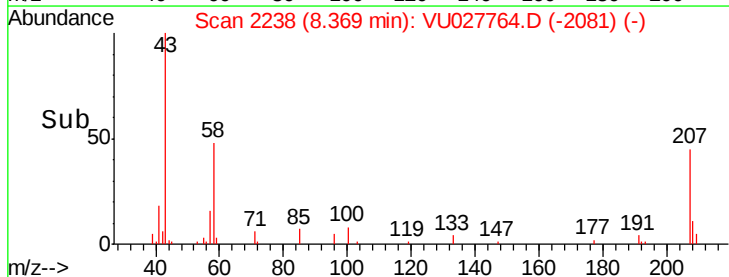
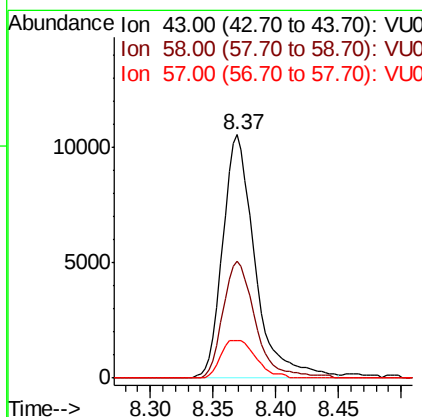
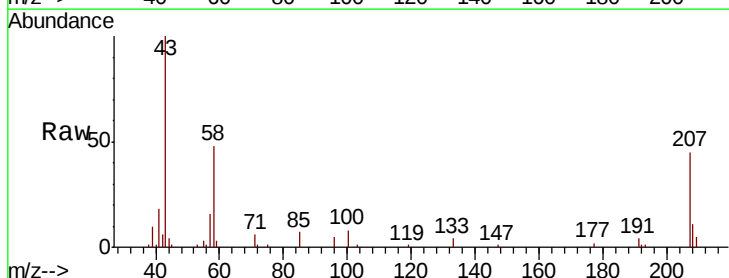
Manual Integrations
 APPROVED

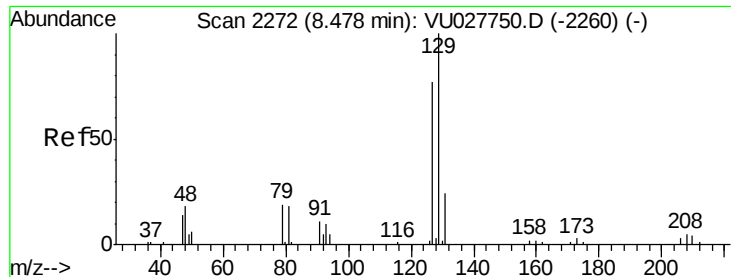
sam
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#54
 2-Hexanone
 Concen: 9.134 ug/l
 RT: 8.37 min Scan# 2238
 Delta R.T. 0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Tgt Ion: 43 Resp: 18915
 Ion Ratio Lower Upper
 43 100
 58 47.7 30.0 70.0
 57 16.8 0.0 37.7





#55

Dibromochloromethane

Concen: 1.823 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBSD01

Tot Ion:129 Resp: 5542

Ion Ratio Lower Upper

129 100

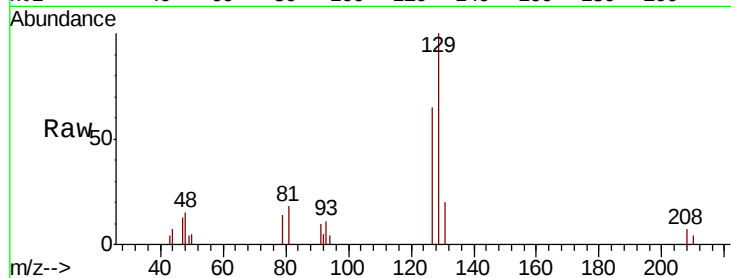
127 72.6 61.9 92.9

Manual Integrations

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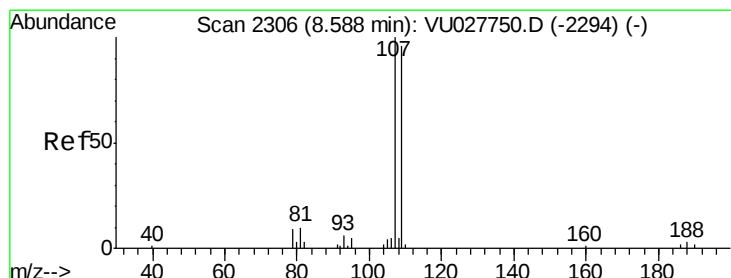
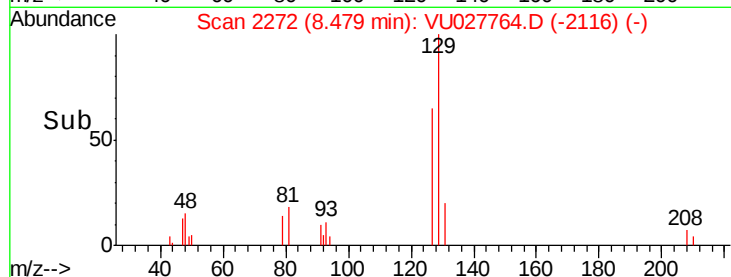
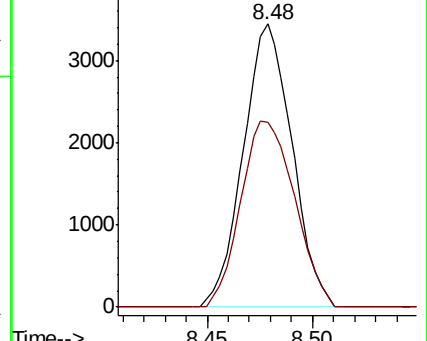
sam

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 1.841 ug/l

RT: 8.59 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VU027764.D

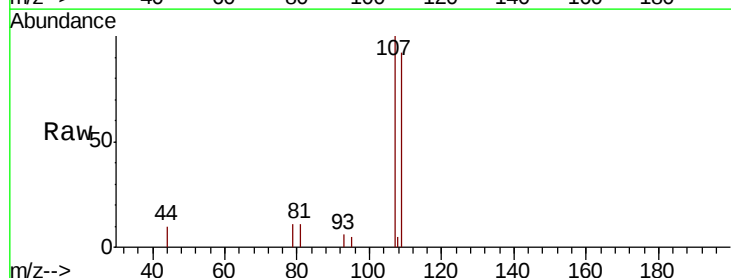
Acq: 23 Oct 2018 15:45

Tgt Ion:107 Resp: 4371

Ion Ratio Lower Upper

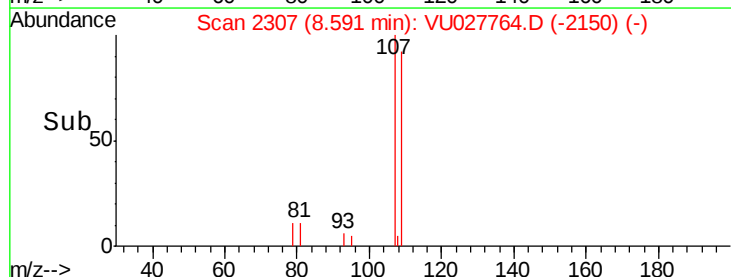
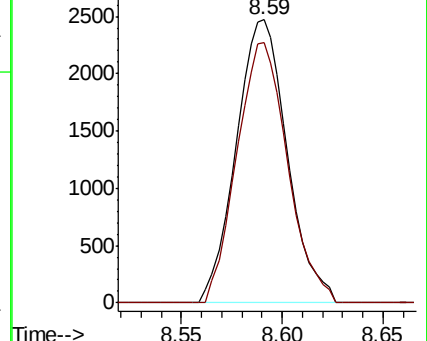
107 100

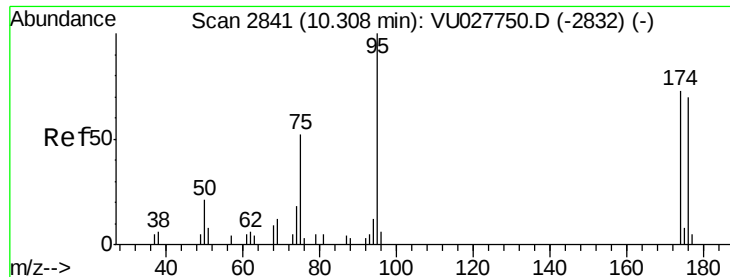
109 91.3 0.0 188.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 1.841 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Instrument :

MSVOA_U

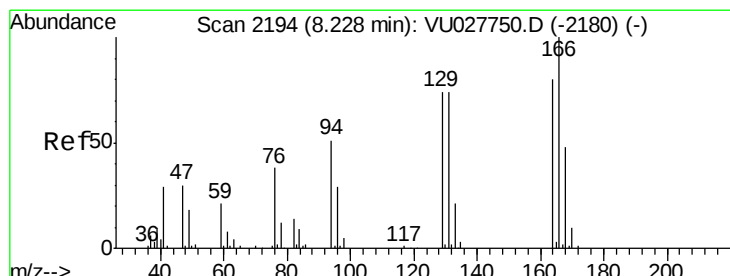
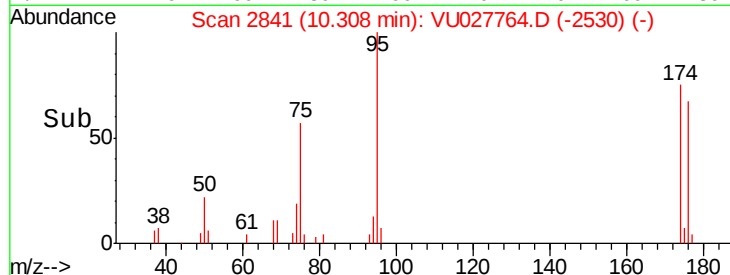
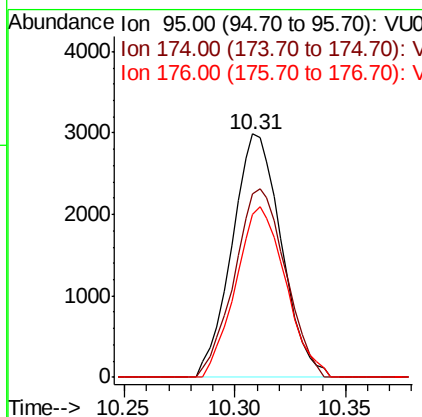
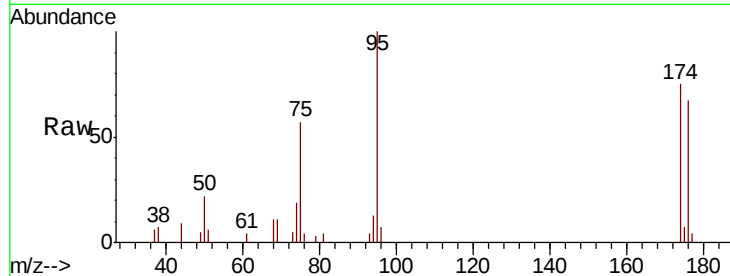
ClientSampleId :

VU1023WBSD01

Tot Ion:	95	Resp:	4643
Ion	Ratio	Lower	Upper
95	100		
174	80.4	64.5	96.7
176	70.8	58.3	87.5

Manual Integrations
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#58

Tetrachloroethene

Concen: 1.811 ug/l

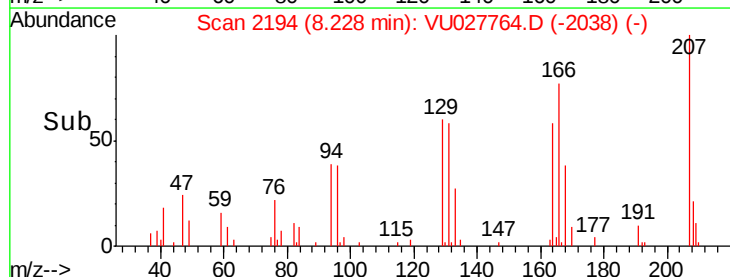
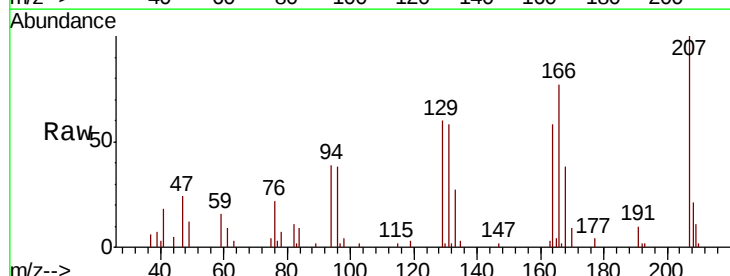
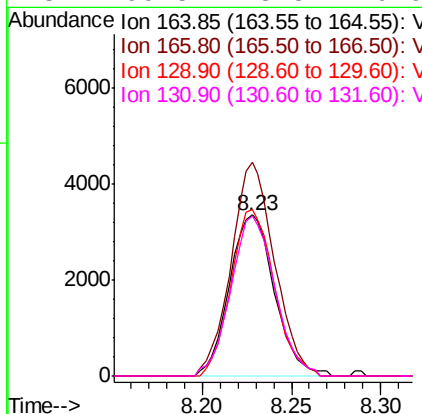
RT: 8.23 min Scan# 2194

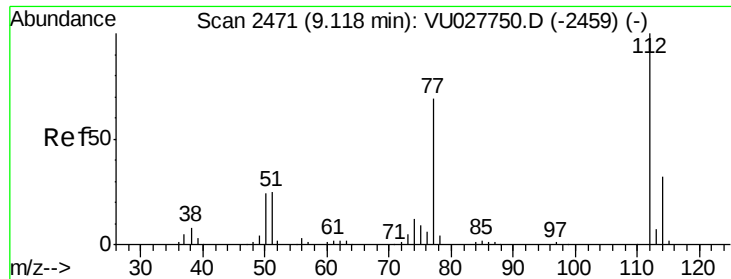
Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Tgt Ion:	164	Resp:	5910
Ion	Ratio	Lower	Upper
164	100		
166	132.8	100.2	150.4
129	103.4	73.7	110.5
131	99.5	73.8	110.6





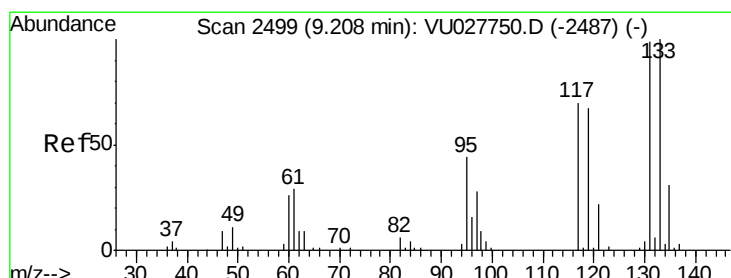
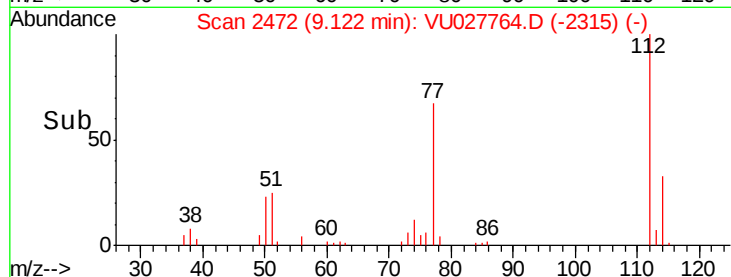
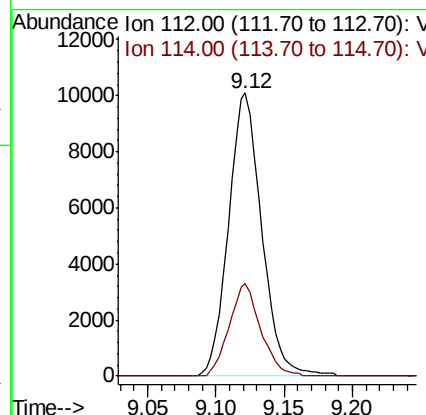
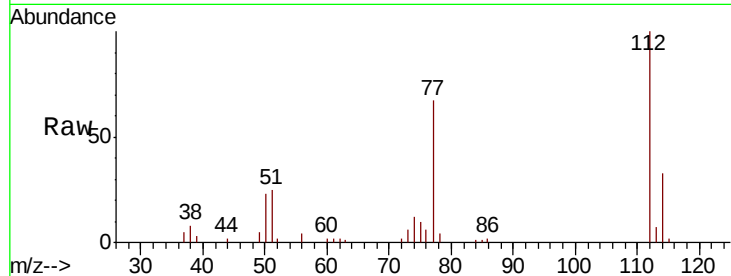
#59
Chlorobenzene
Concen: 1.916 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027764.D
Acq: 23 Oct 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBSD01

Tot Ion:112 Resp: 17087
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0

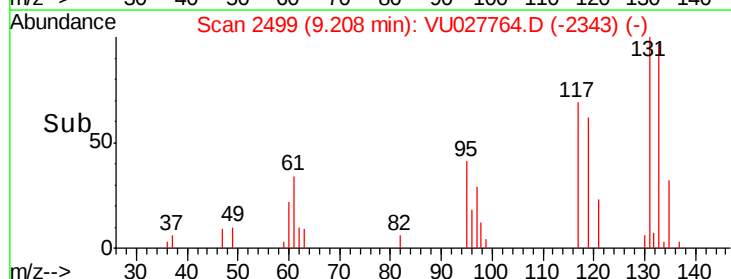
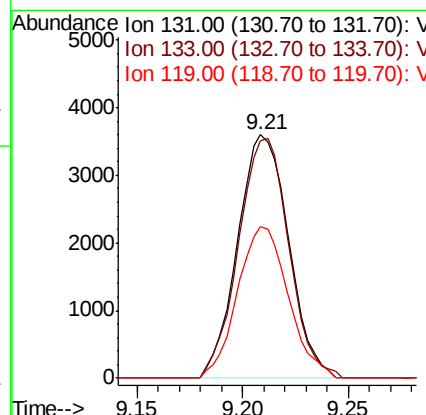
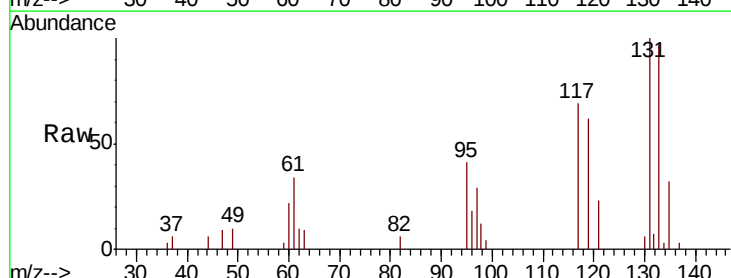
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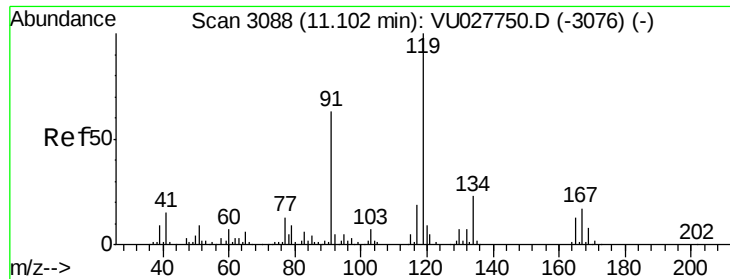
sam
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#60
1,1,1,2-Tetrachloroethane
Concen: 1.863 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027764.D
Acq: 23 Oct 2018 15:45

Tgt Ion:131 Resp: 6039
Ion Ratio Lower Upper
131 100
133 97.3 77.5 116.3
119 62.0 52.0 78.0





#61

Pentachloroethane

Concen: 1.802 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBSD01

Tot Ion:117 Resp: 4357

Ion Ratio Lower Upper

117 100

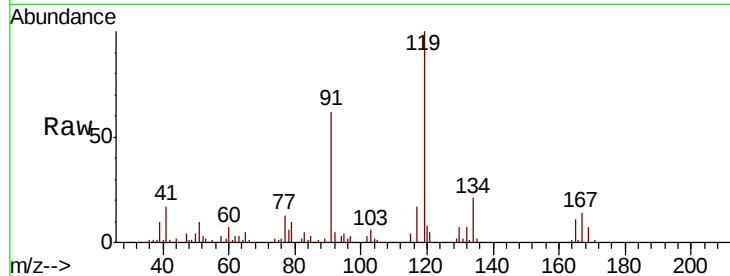
167 87.2 70.1 105.1

Manual Integrations

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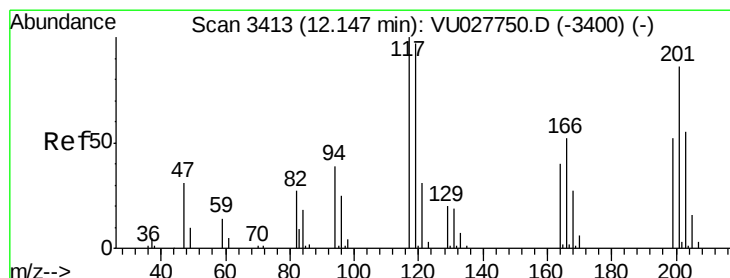
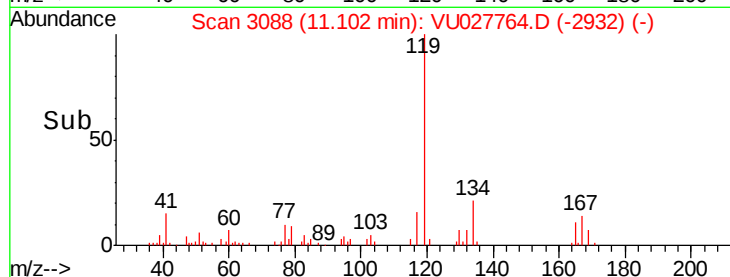
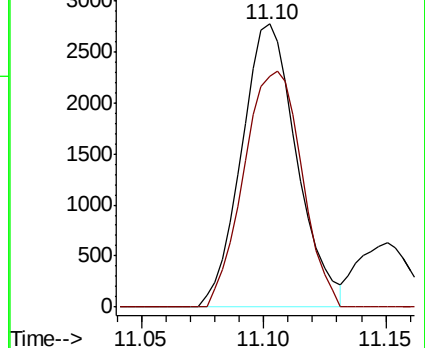
sam

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 1.791 ug/l

RT: 12.15 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VU027764.D

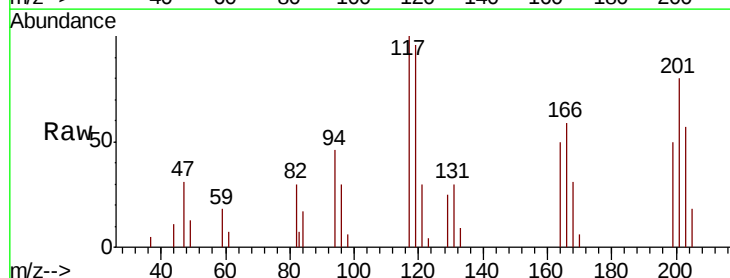
Acq: 23 Oct 2018 15:45

Tgt Ion:117 Resp: 4756

Ion Ratio Lower Upper

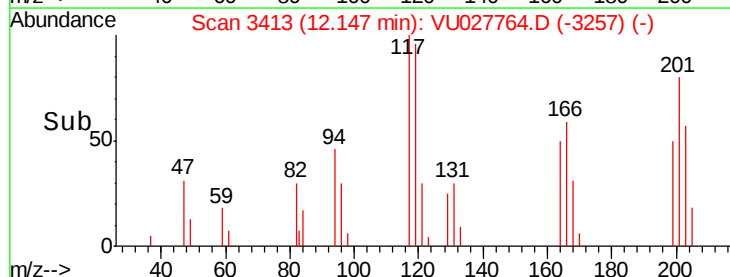
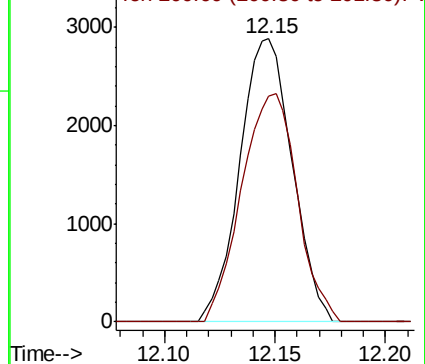
117 100

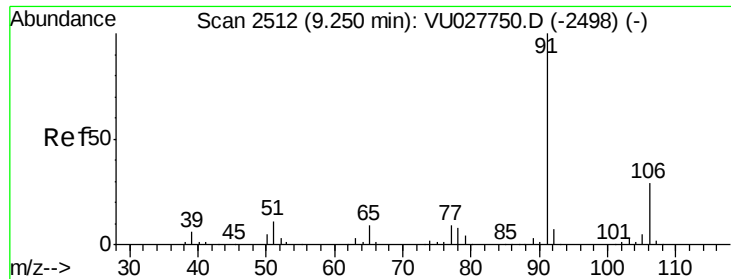
201 85.3 66.0 99.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





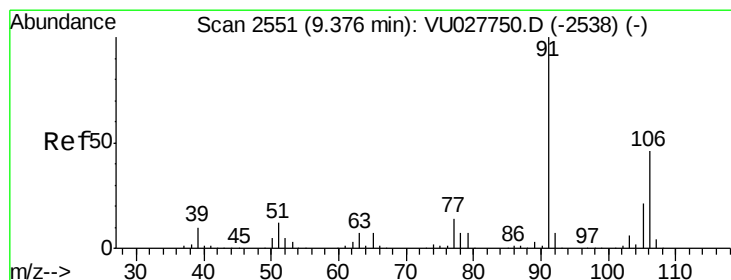
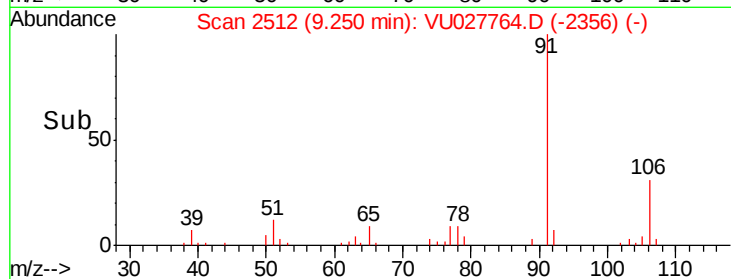
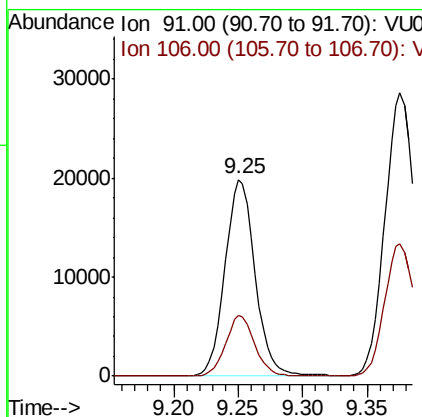
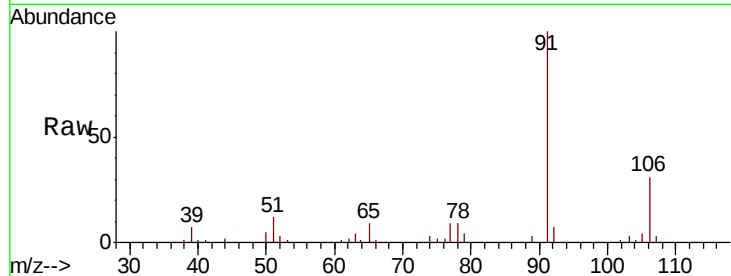
#63
Ethyl Benzene
Concen: 1.906 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027764.D
Acq: 23 Oct 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBSD01

Tot Ion: 91 Resp: 32200
Ion Ratio Lower Upper
91 100
106 31.2 23.5 35.3

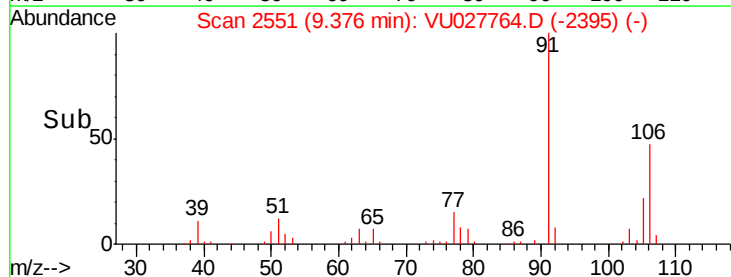
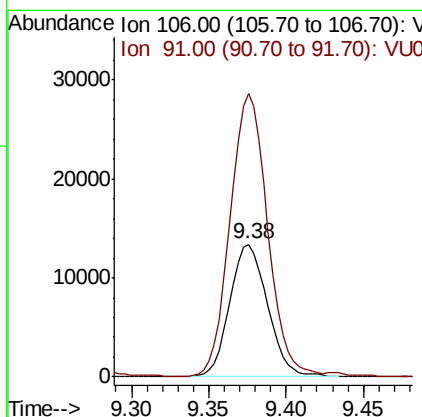
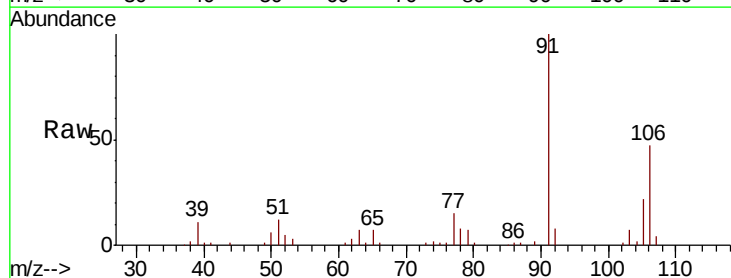
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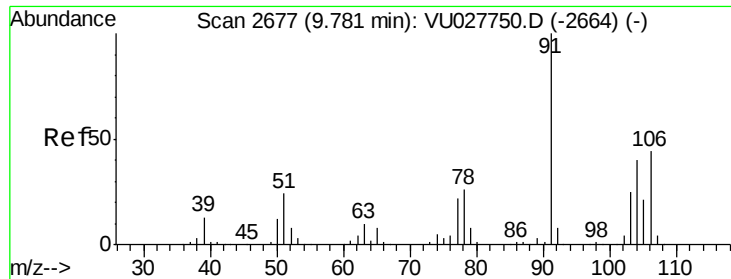
sam
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#64
m/p-Xylenes
Concen: 3.762 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027764.D
Acq: 23 Oct 2018 15:45

Tgt Ion: 106 Resp: 22670
Ion Ratio Lower Upper
106 100
91 211.9 173.3 259.9





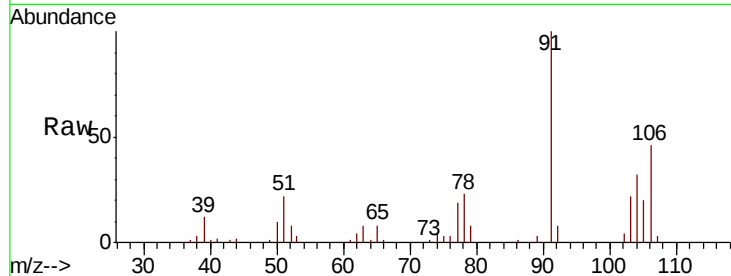
#65
o-Xylene
Concen: 1.875 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027764.D
Acq: 23 Oct 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBSD01

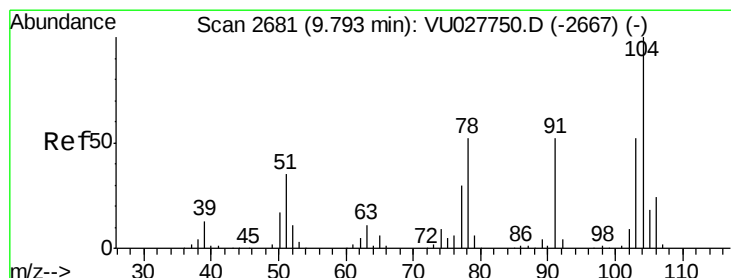
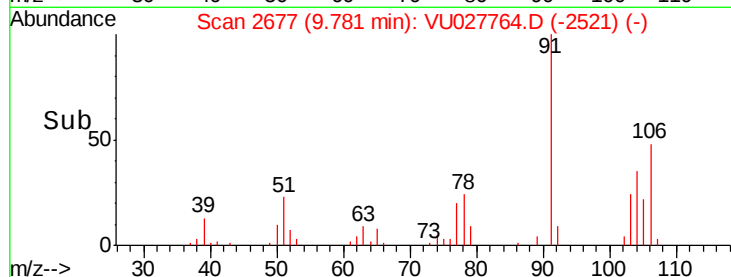
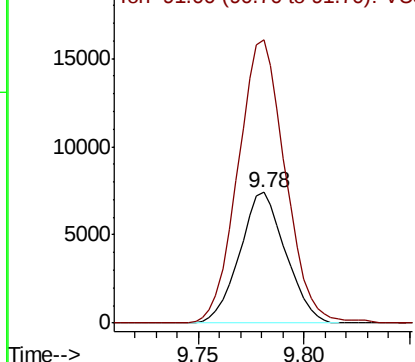
Tot Ion:106 Resp: 11206
Ion Ratio Lower Upper
106 100
91 223.3 113.4 340.2

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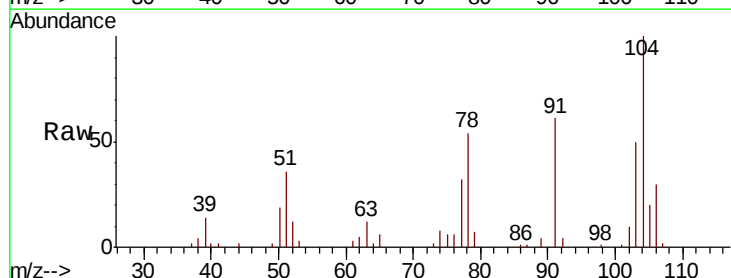


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

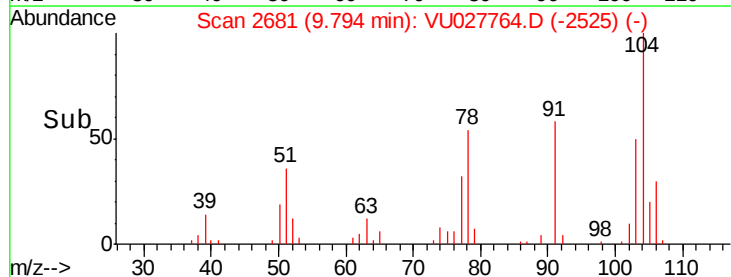
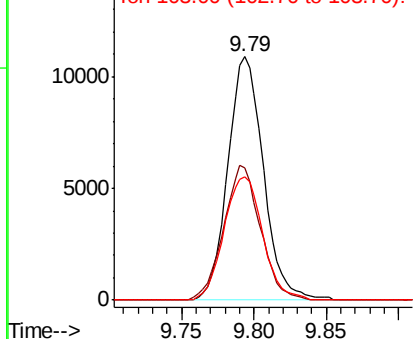


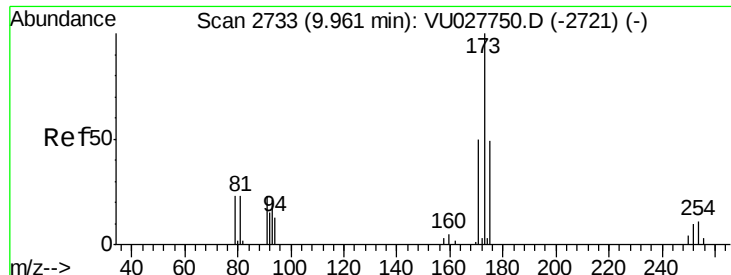
#66
Styrene
Concen: 1.882 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027764.D
Acq: 23 Oct 2018 15:45

Tgt Ion:104 Resp: 18558
Ion Ratio Lower Upper
104 100
78 57.1 45.2 67.8
103 54.8 44.8 67.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 1.712 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Instrument :

MSVOA_U

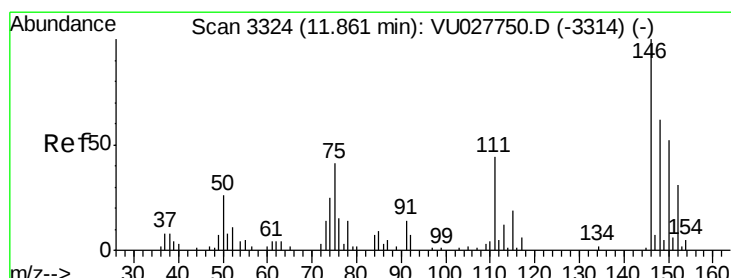
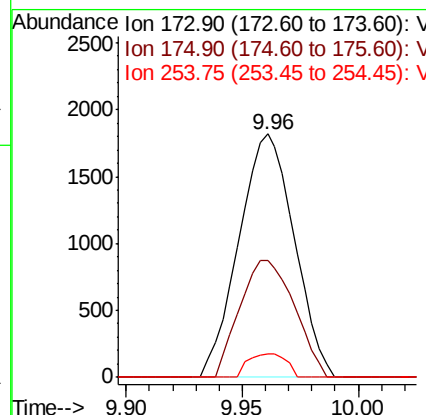
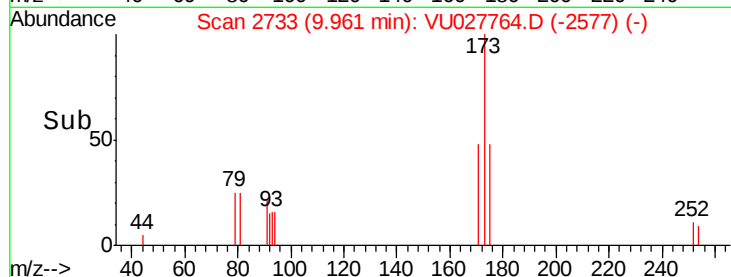
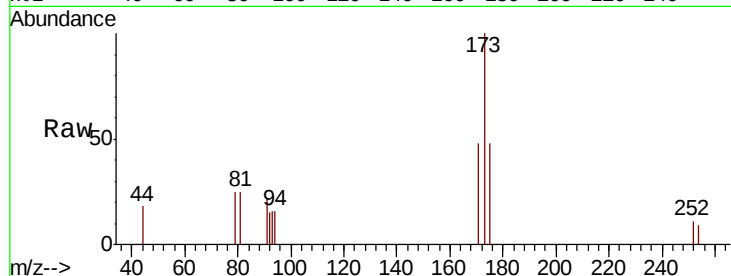
ClientSampleId :

VU1023WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	39.6	59.4
254	6.6	7.8	11.6

Manual Integrations
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#68

1,2-Dichlorobenzene-d4

Concen: 1.712 ug/l

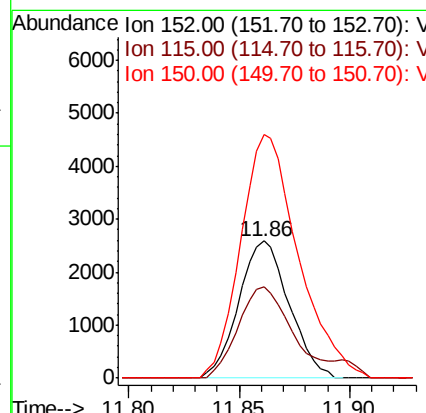
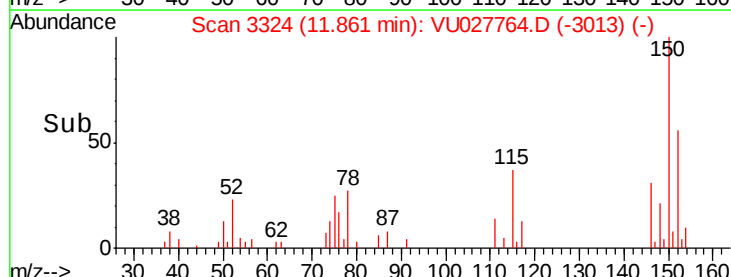
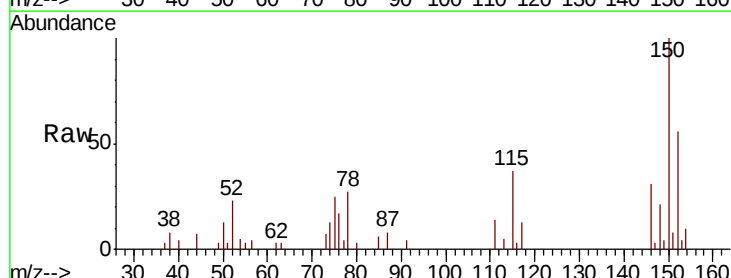
RT: 11.86 min Scan# 3324

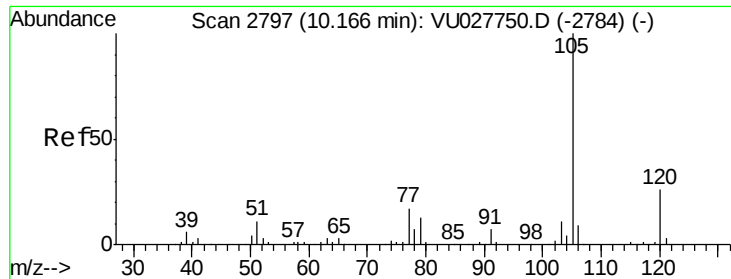
Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	71.2	0.0	130.2
150	204.0	0.0	650.6





#69

Isopropylbenzene

Concen: 1.845 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBSD01

Tot Ion: 105 Resp: 30187

Ion Ratio Lower Upper

105 100

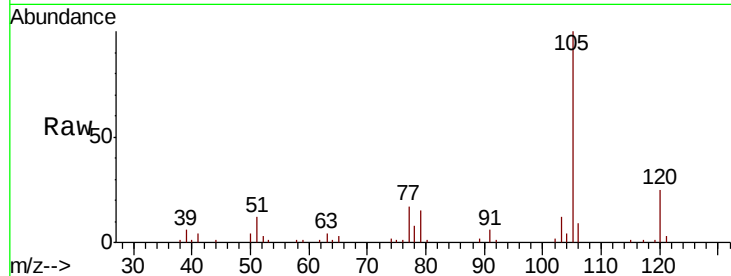
120 24.5 12.8 38.3

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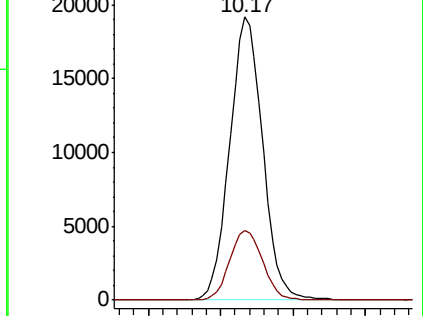
sam

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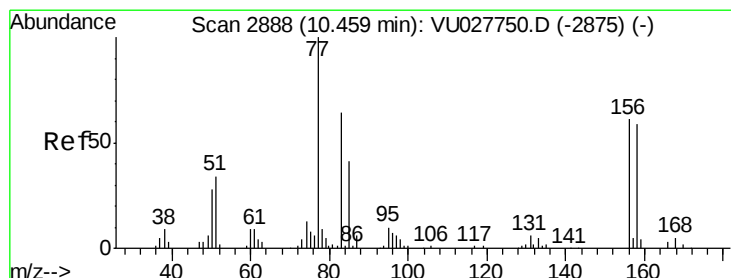
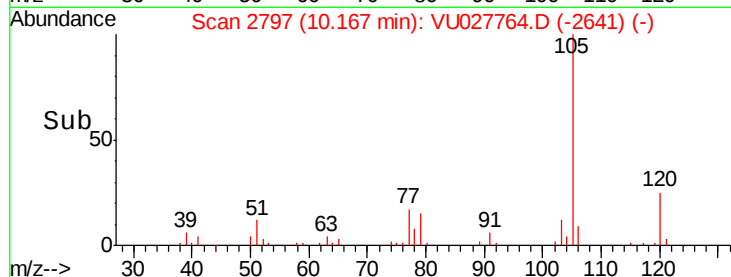


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#70

1,1,2,2-Tetrachloroethane

Concen: 1.810 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

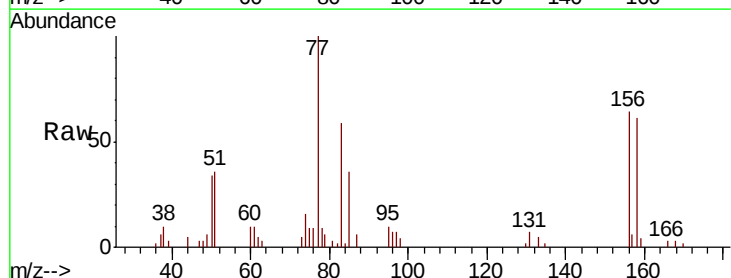
Tgt Ion: 83 Resp: 5817

Ion Ratio Lower Upper

83 100

131 10.1 7.7 11.5

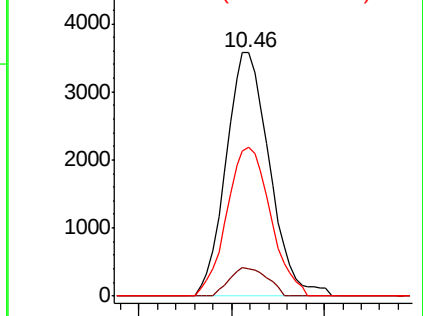
85 61.5 51.2 76.8



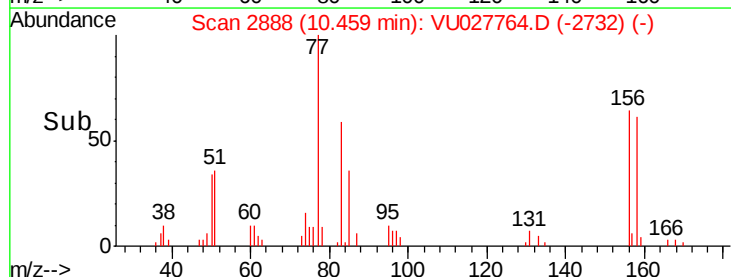
Abundance Ion 83.00 (82.70 to 83.70): VU0

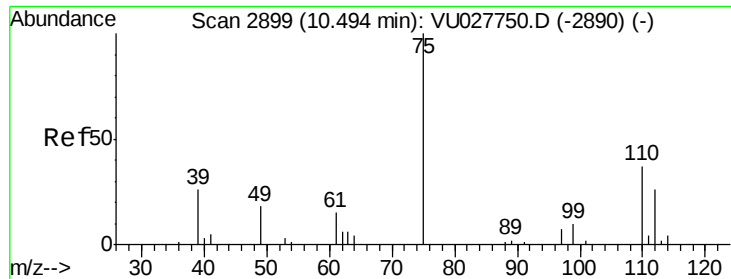
Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0



Time-->





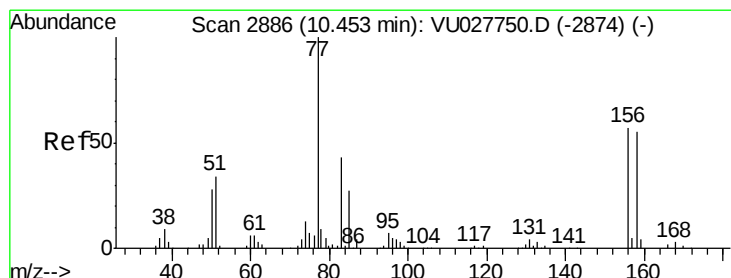
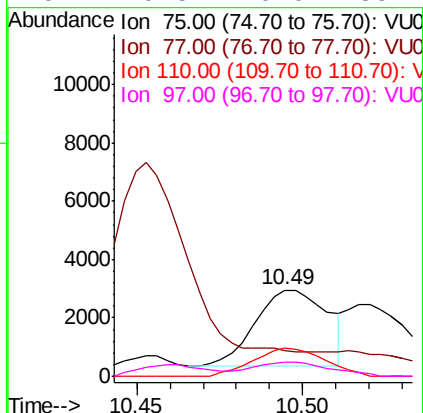
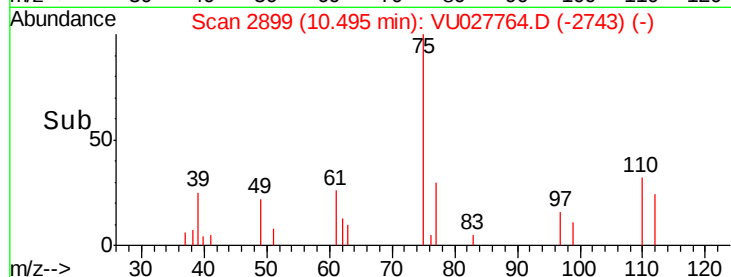
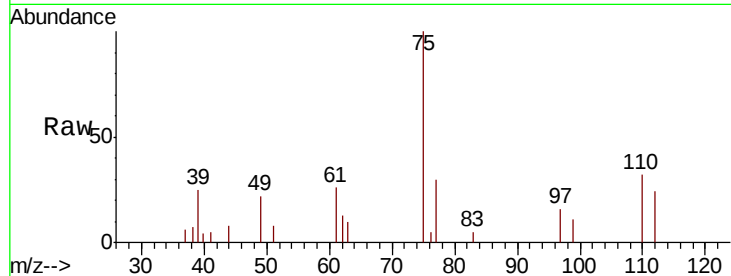
#71
 1,2,3-Trichloropropane
 Concen: 1.600 ug/l
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1023WBSD01

Tot Ion:	75	Resp:	3997
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	35.9	0.0	68.2
97	19.5	0.0	35.2

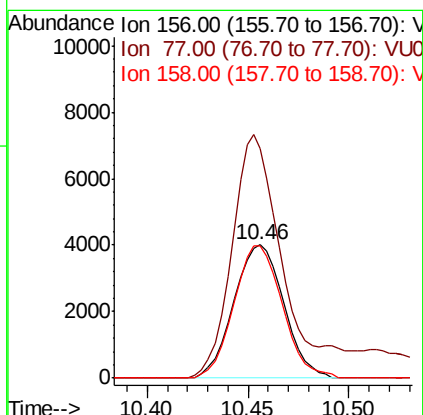
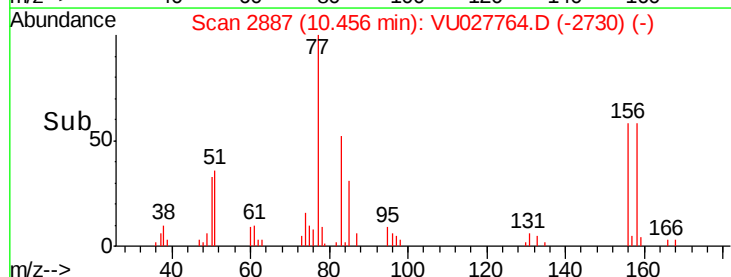
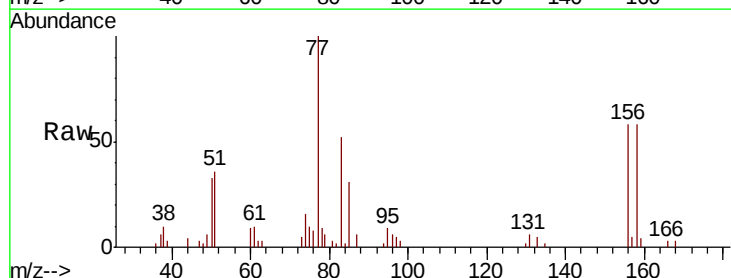
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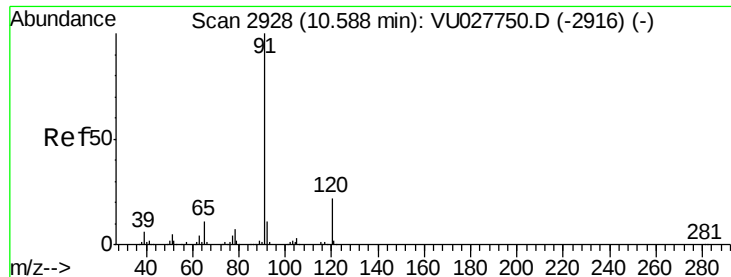
sam
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#72
 Bromobenzene
 Concen: 1.909 ug/l
 RT: 10.46 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Tgt Ion:	156	Resp:	6957
Ion	Ratio	Lower	Upper
156	100		
77	187.3	0.0	349.4
158	96.4	0.0	191.4





#73

n-propylbenzene

Concen: 1.918 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBSD01

Tot Ion:120 Resp: 8093

Ion Ratio Lower Upper

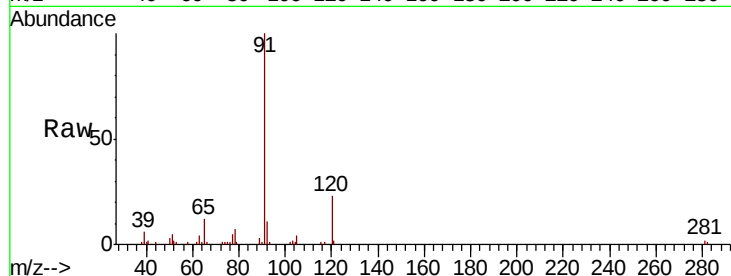
120 100

91 464.4 369.0 553.6

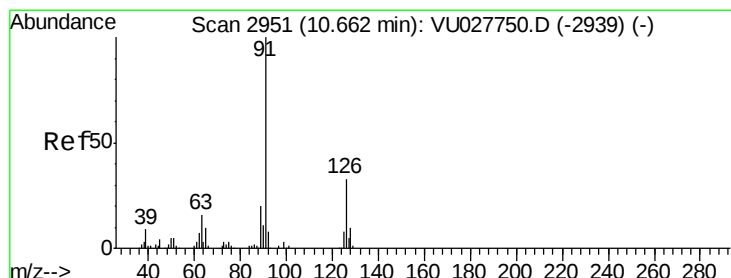
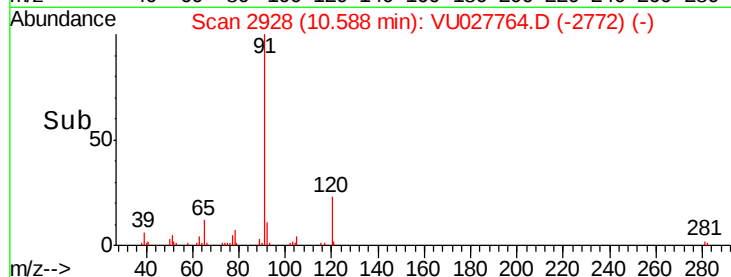
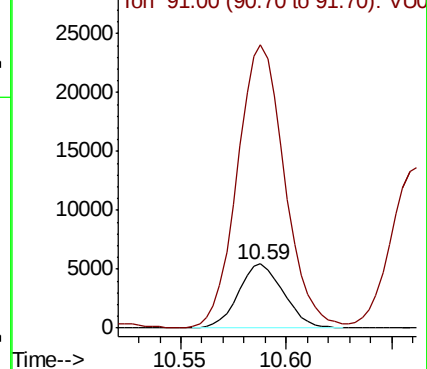
Manual Integrations
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Abundance Ion 120.00 (119.70 to 120.70): V



#74

2-Chlorotoluene

Concen: 1.853 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027764.D

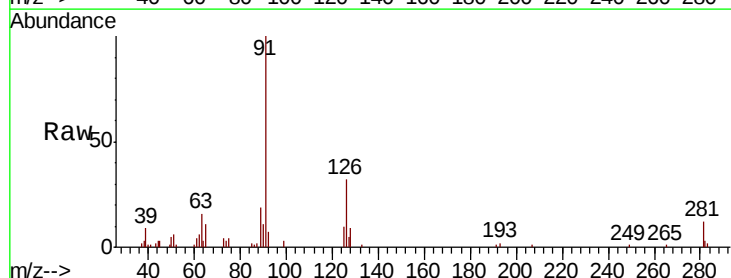
Acq: 23 Oct 2018 15:45

Tgt Ion:126 Resp: 6694

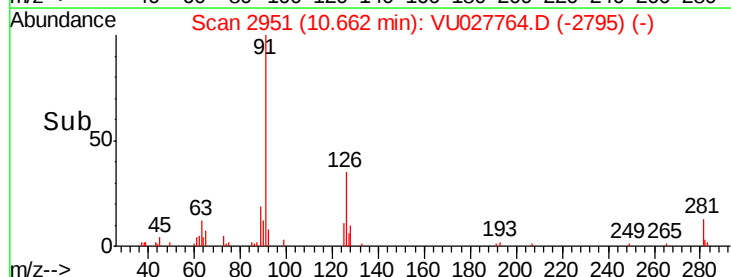
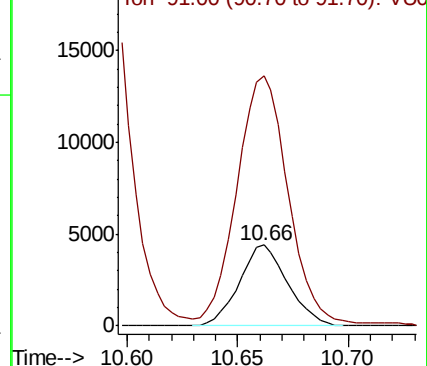
Ion Ratio Lower Upper

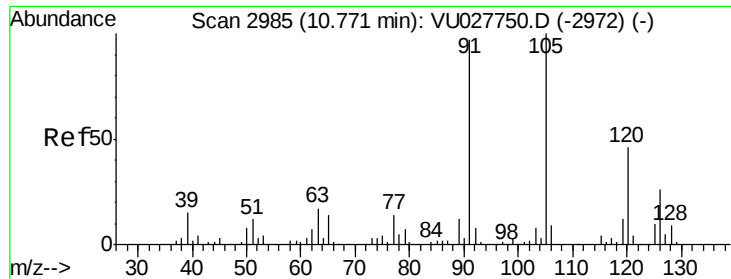
126 100

91 324.4 0.0 628.8



Abundance Ion 126.00 (125.70 to 126.70): V





#75

1,3,5-Trimethylbenzene

Concen: 1.869 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBSD01

Tot Ion:105 Resp: 25515

Ion Ratio Lower Upper

105 100

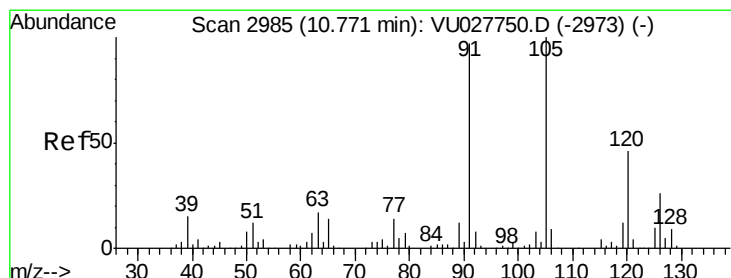
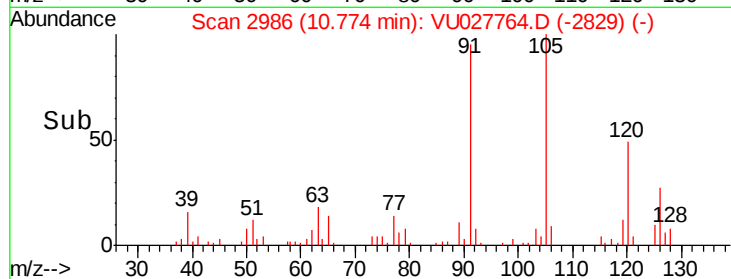
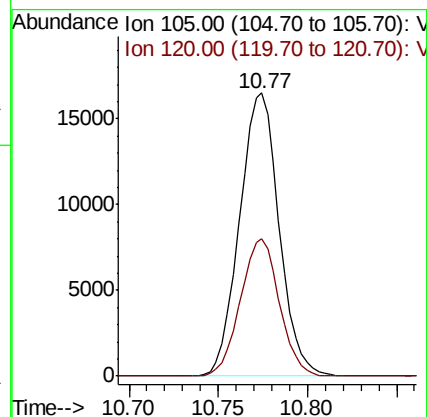
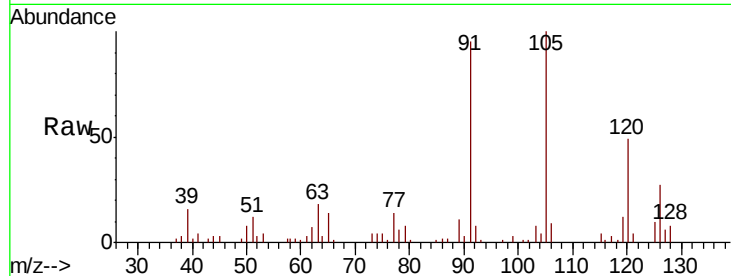
120 47.8 37.2 55.8

Manual Integrations

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#76

4-Chlorotoluene

Concen: 1.972 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027764.D

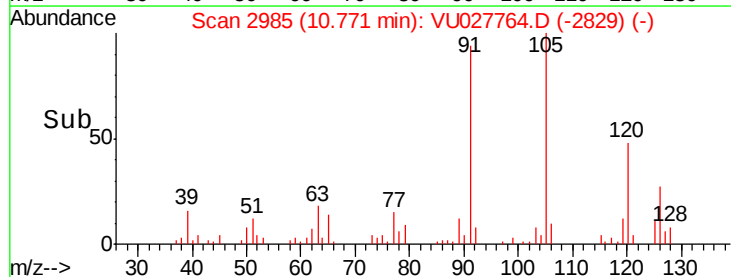
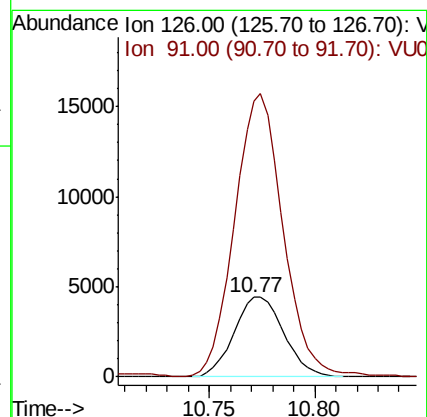
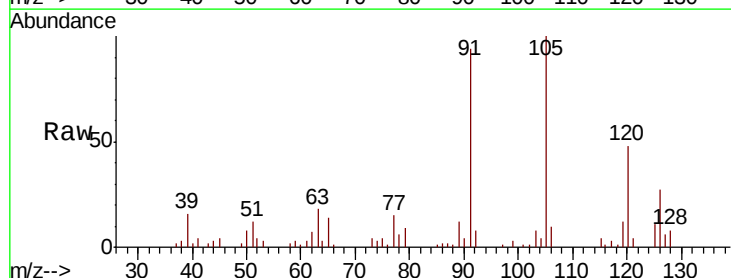
Acq: 23 Oct 2018 15:45

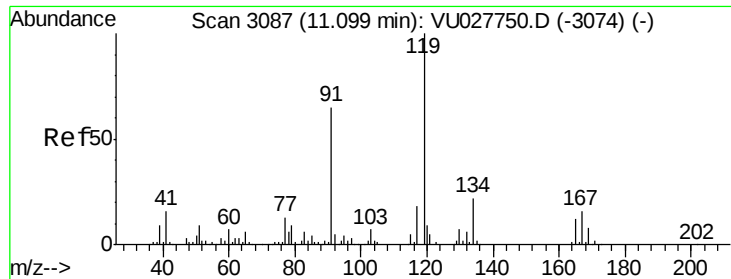
Tgt Ion:126 Resp: 7219

Ion Ratio Lower Upper

126 100

91 348.7 0.0 734.4





#77

tert-Butylbenzene

Concen: 1.885 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Instrument :

MSVOA_U

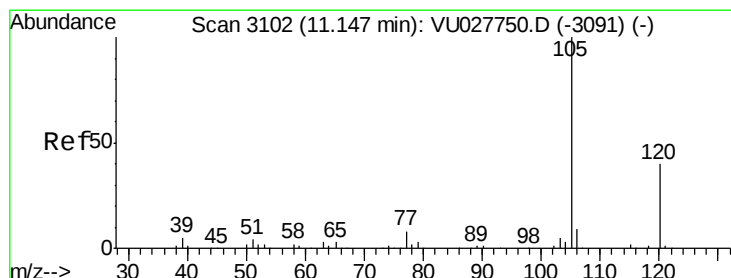
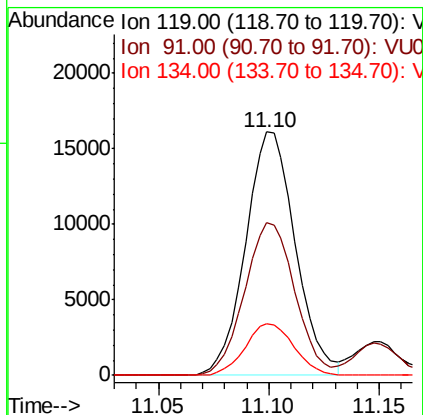
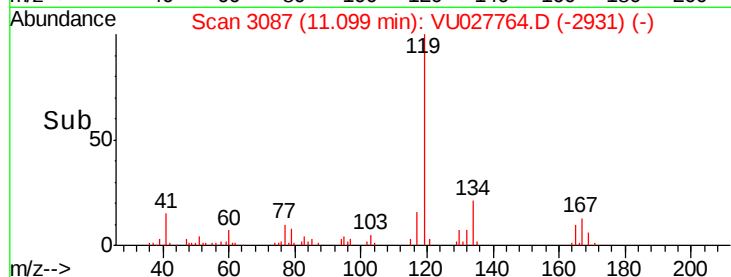
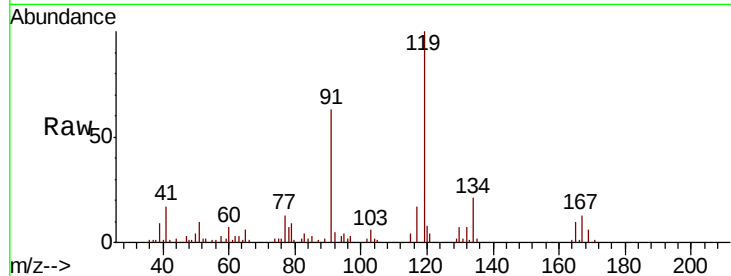
ClientSampleId :

VU1023WBSD01

Tot Ion:	119	Resp:	25311
Ion Ratio	Lower	Upper	
119	100		
91	63.2	31.8	95.4
134	20.7	17.7	26.5

Manual Integrations
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#78

1,2,4-Trimethylbenzene

Concen: 1.920 ug/l

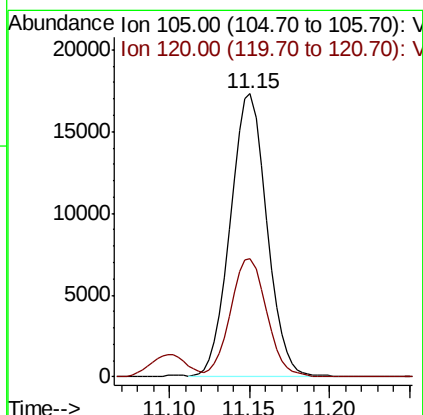
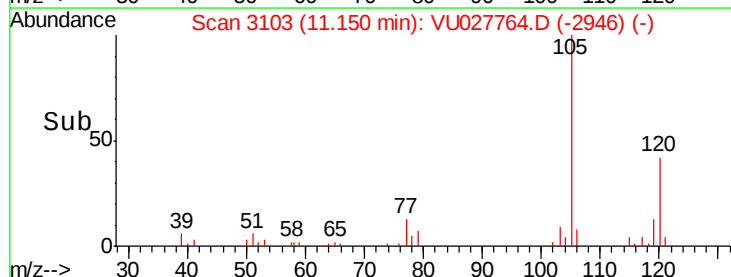
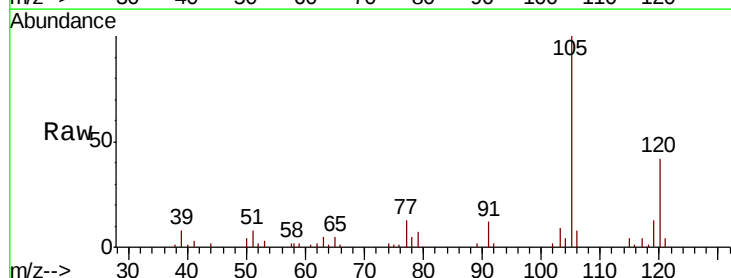
RT: 11.15 min Scan# 3103

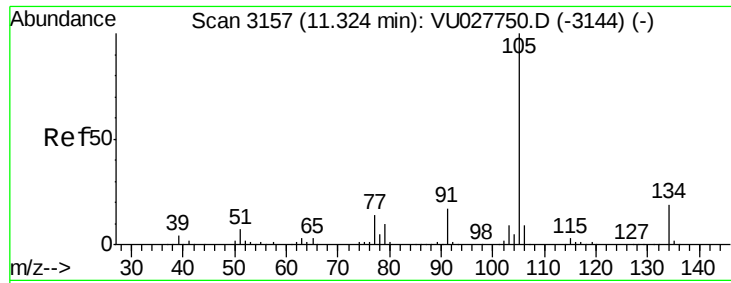
Delta R.T. 0.00 min

Lab File: VU027764.D

Acq: 23 Oct 2018 15:45

Tgt Ion:	105	Resp:	26932
Ion Ratio	Lower	Upper	
105	100		
120	41.3	21.6	64.6





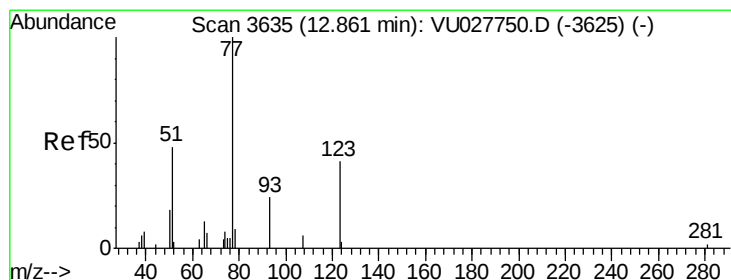
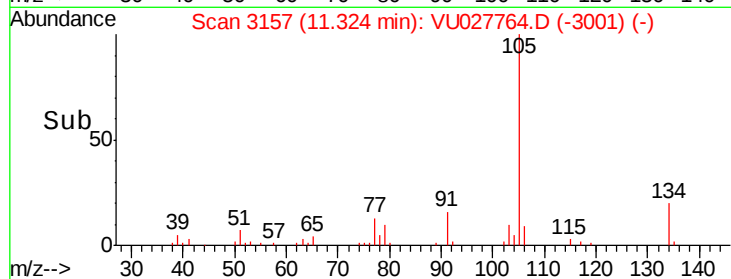
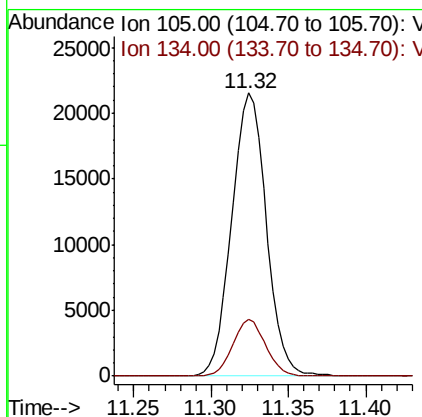
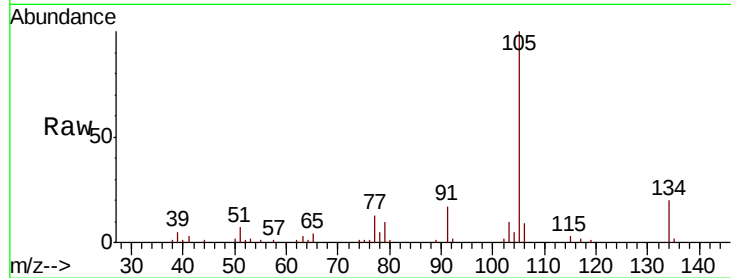
#79
 sec-Butylbenzene
 Concen: 1.882 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleID :
 VU1023WBSD01

Tot Ion: 105 Resp: 33456
 Ion Ratio Lower Upper
 105 100
 134 18.8 15.2 22.8

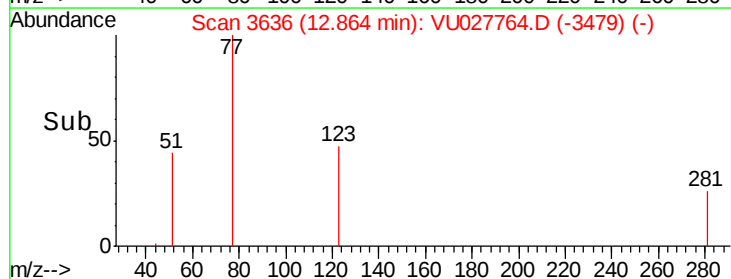
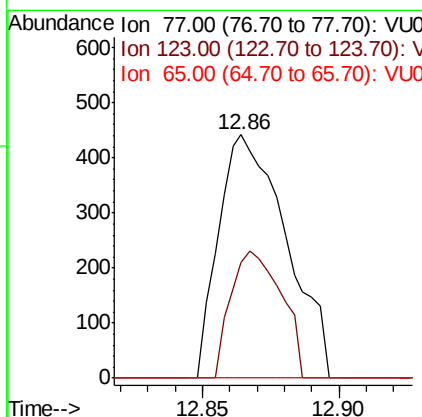
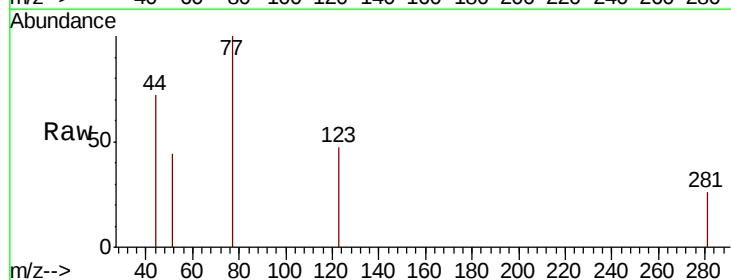
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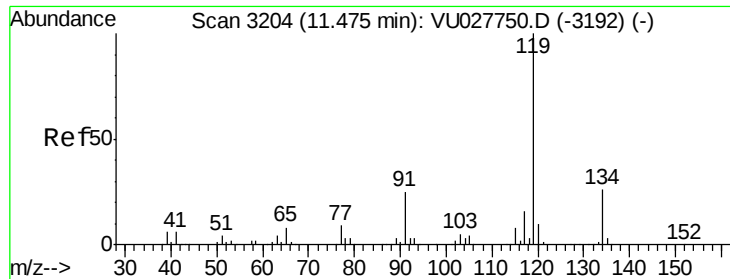
sam
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#80
 Nitrobenzene
 Concen: 6.389 ug/l
 RT: 12.86 min Scan# 3636
 Delta R.T. 0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Tgt Ion: 77 Resp: 759
 Ion Ratio Lower Upper
 77 100
 123 39.3 16.9 59.9
 65 0.0 13.1 16.7#





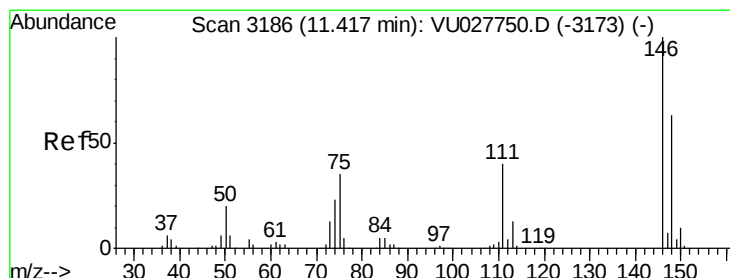
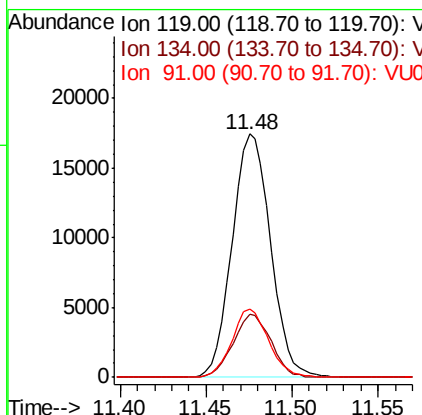
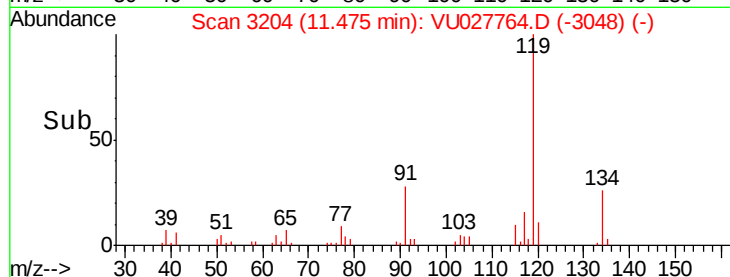
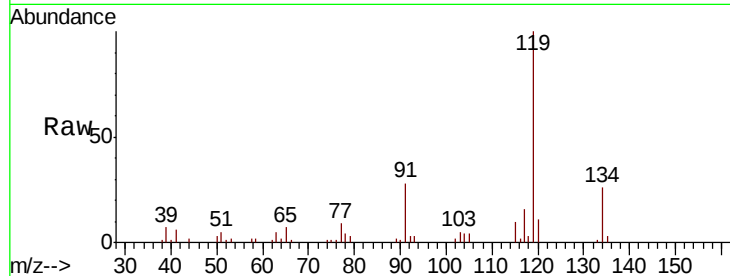
#81
 p-Isopropyltoluene
 Concen: 1.863 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1023WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	26.8	20.2	30.4

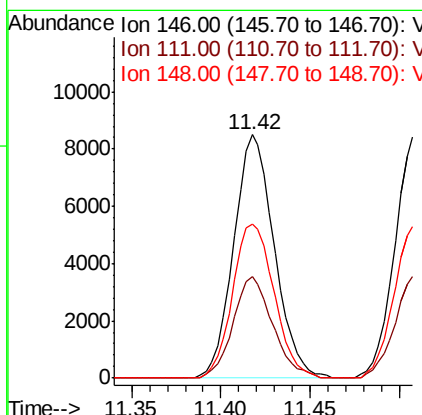
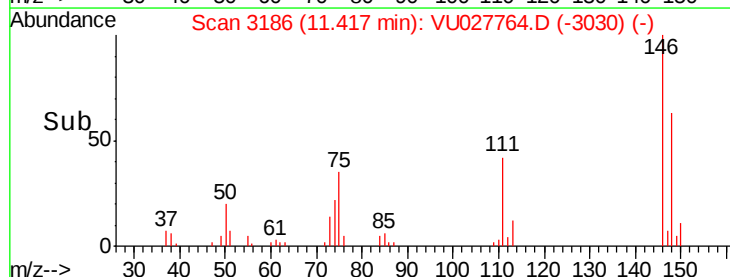
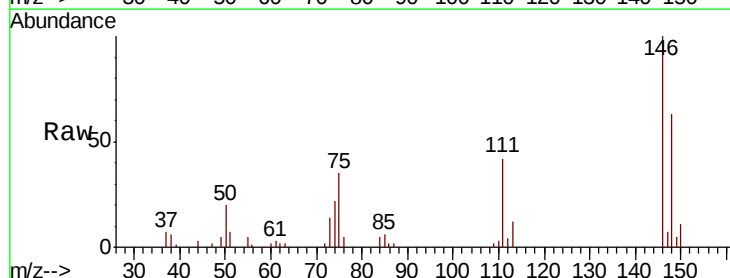
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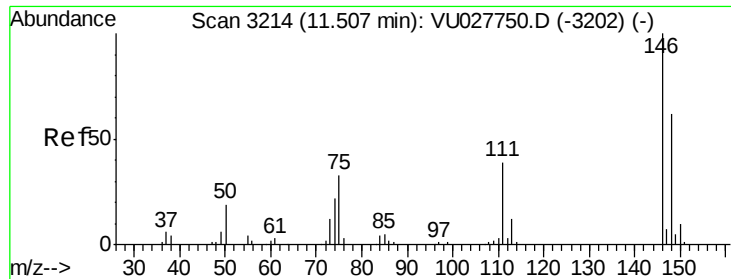
sam
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#82
 1,3-Dichlorobenzene
 Concen: 1.863 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	32.7	49.1
148	64.6	50.6	75.8





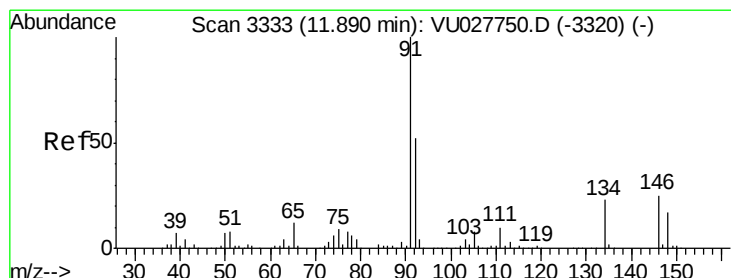
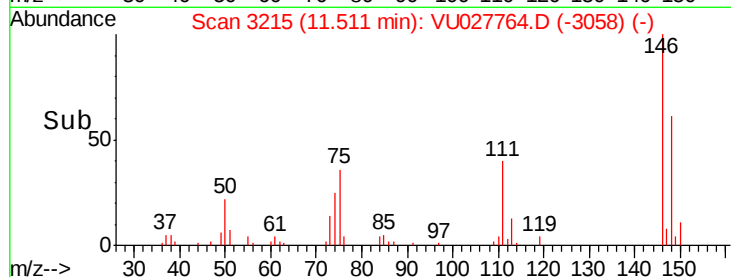
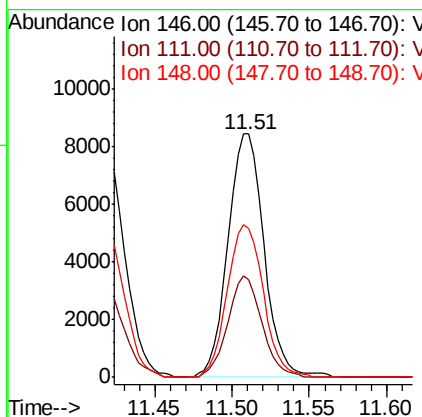
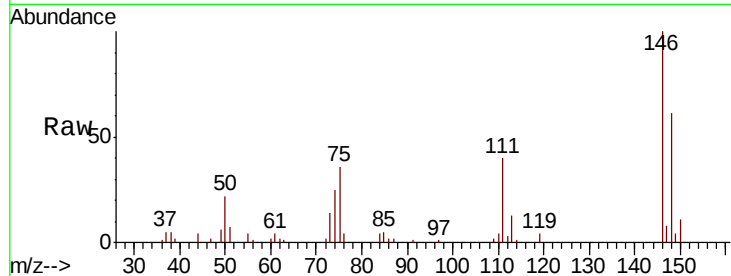
#83
 1,4-Dichlorobenzene
 Concen: 1.888 ug/l
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1023WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	32.0	48.0
148	62.8	50.9	76.3

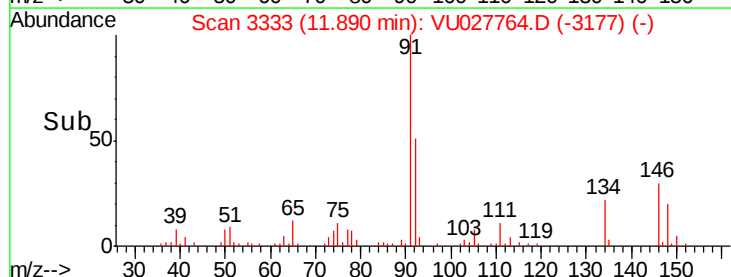
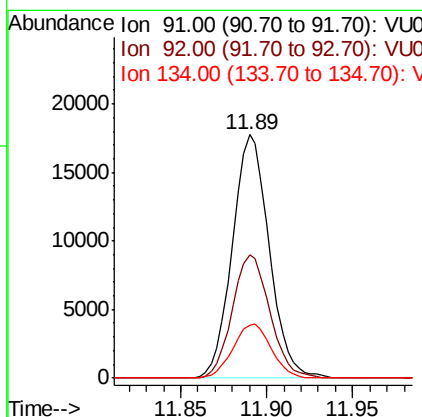
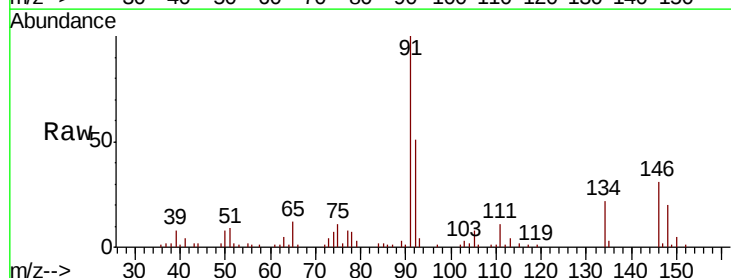
Manual Integrations
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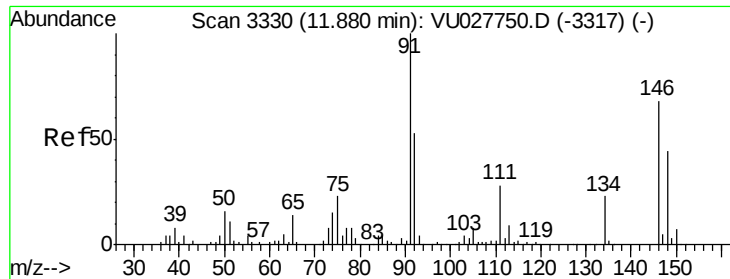
sam
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#84
 n-Butylbenzene
 Concen: 1.879 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.5	42.1	63.1
134	23.0	18.6	28.0





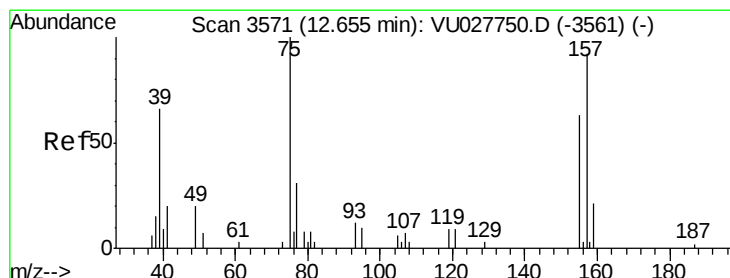
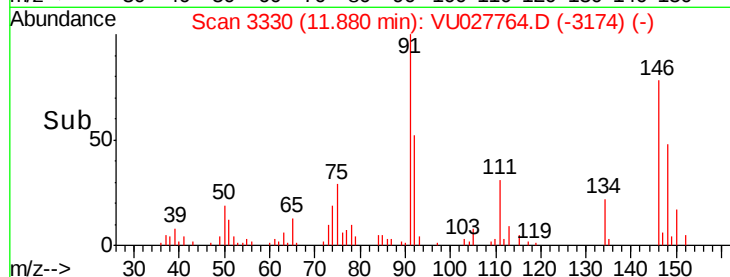
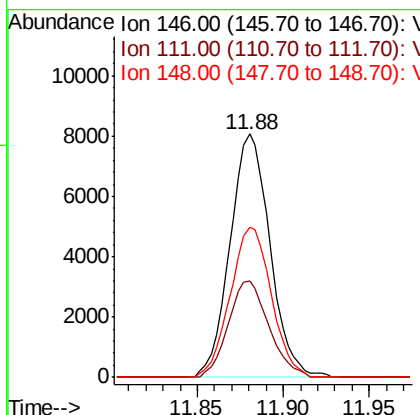
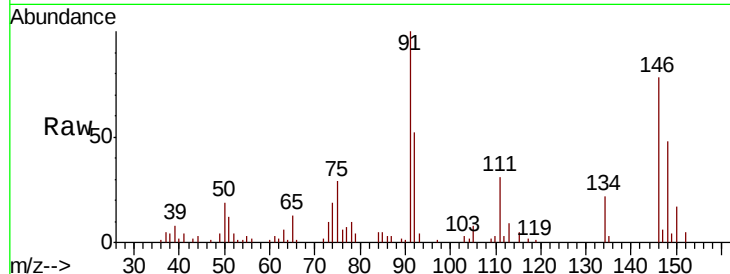
#85
 1,2-Dichlorobenzene
 Concen: 1.892 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1023WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.2	63.6
148	63.2	32.2	96.6

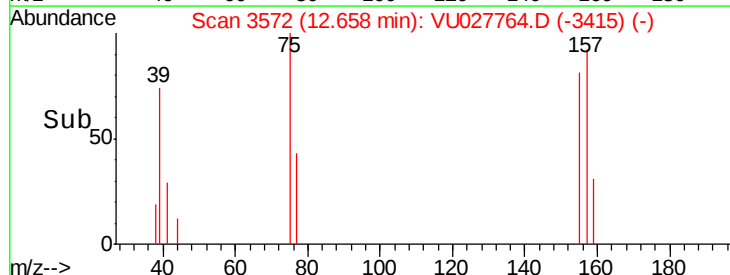
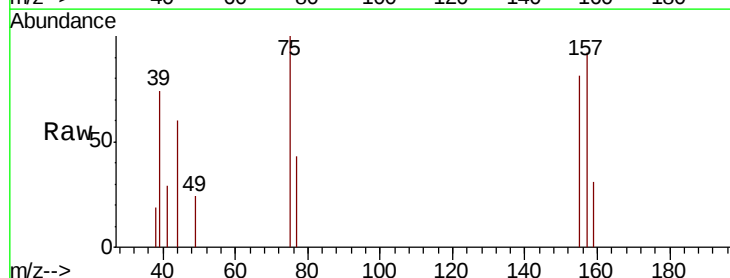
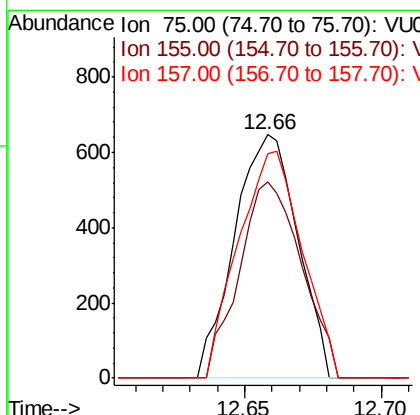
Manual Integrations
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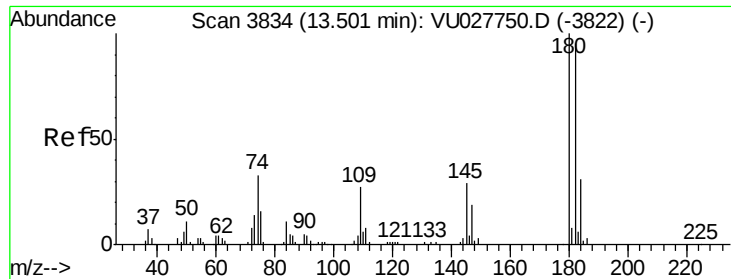
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.737 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.7	55.5	83.3
157	94.3	71.0	106.4





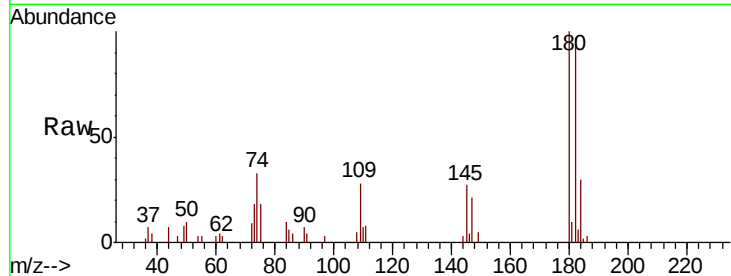
#87
 1,2,4-Trichlorobenzene
 Concen: 1.889 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1023WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.9	113.9
145	27.3	23.6	35.4

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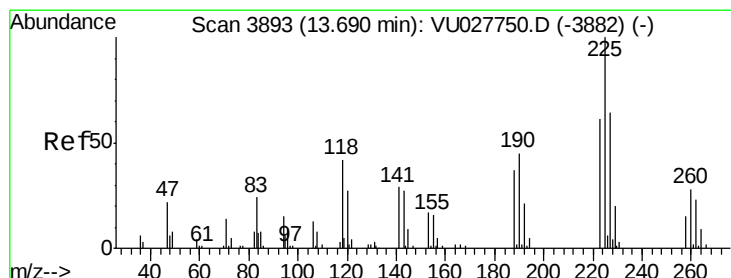
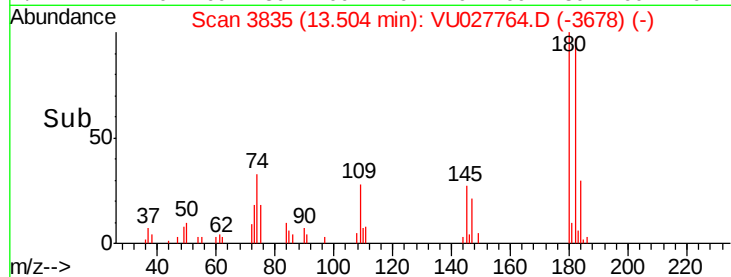
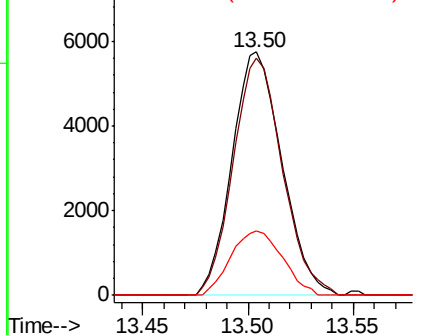


Abundance

Ion 179.70 (179.40 to 180.40): V

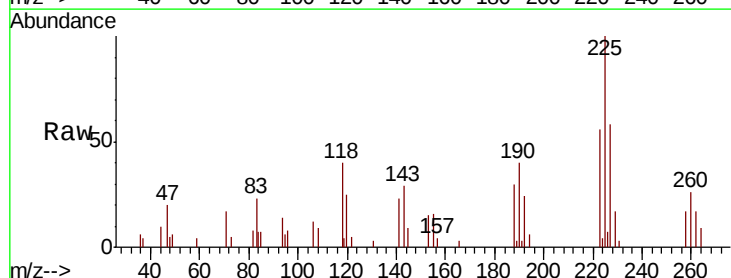
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88
 Hexachlorobutadiene
 Concen: 1.817 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU027764.D
 Acq: 23 Oct 2018 15:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.0	49.6	74.4
227	63.2	51.1	76.7

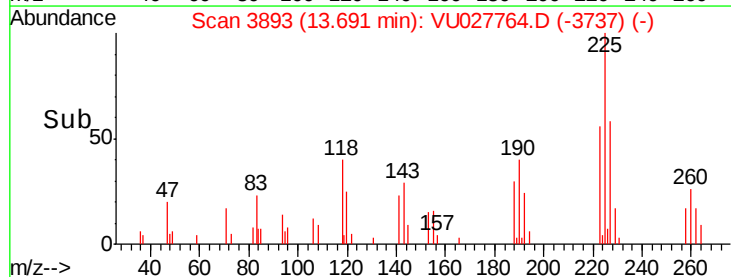
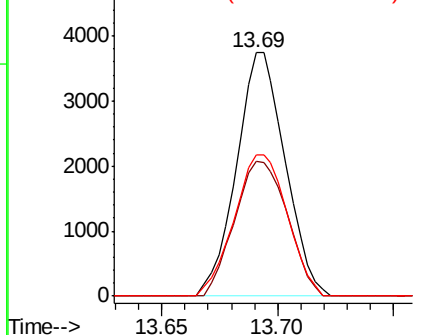


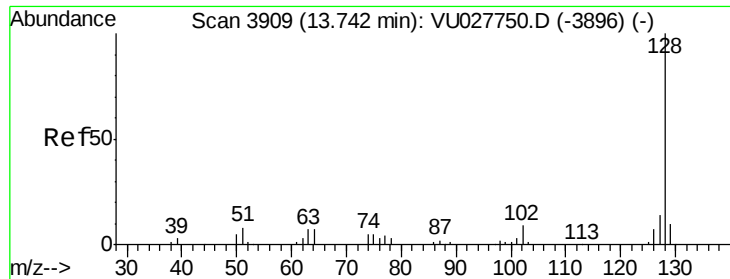
Abundance

Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





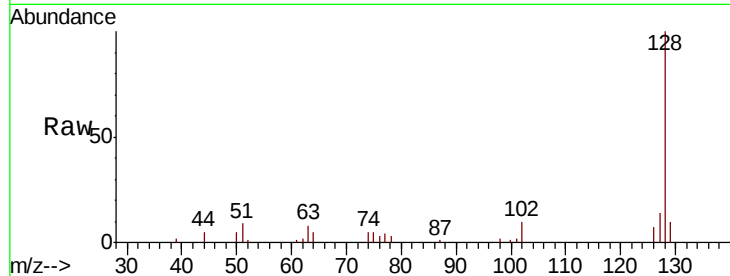
#89
Naphthalene
Concen: 1.762 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027764.D
Acq: 23 Oct 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBSD01

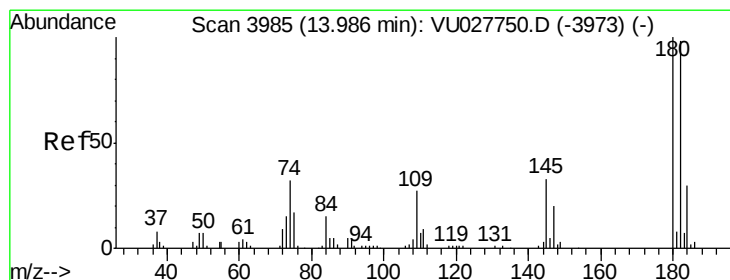
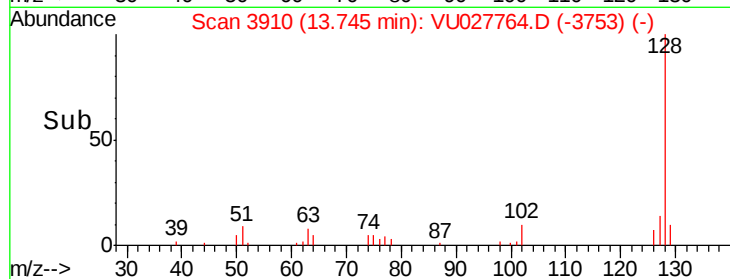
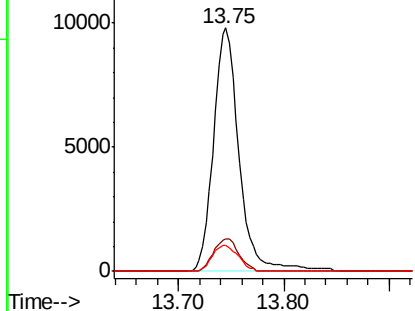
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	10.7	8.5	12.7

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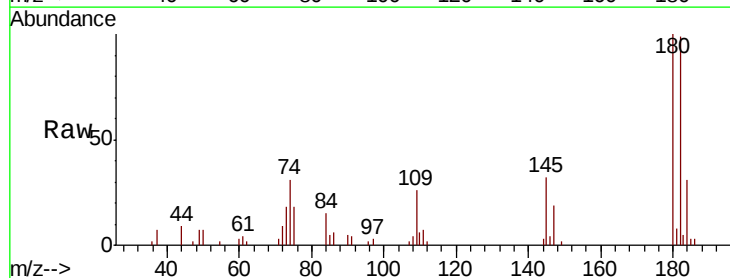


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#90
1,2,3-Trichlorobenzene
Concen: 1.769 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027764.D
Acq: 23 Oct 2018 15:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.0	115.6
145	32.4	25.4	38.2



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

