

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102318\
 Data File : VU027762.D
 Acq On : 23 Oct 2018 14:01
 Operator : MD/SY
 Sample : VU1023WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1023WBS01

Manual Integrations
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 10/24/2018 2:19:32 PM

Quant Time: Oct 24 05:55:47 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	12554	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	5082	1.07	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	4343	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
Target Compounds					Ovalue	
2) Dichlorodifluoromethane	1.21	85	9890	1.984	ug/l	99
3) Chloromethane	1.33	50	10156	1.906	ug/l	92
4) Vinyl Chloride	1.40	62	9788	1.967	ug/l	97
5) Bromomethane	1.63	94	5579	2.132	ug/l	95
6) Chloroethane	1.70	64	5647	2.093	ug/l	91
7) Trichlorofluoromethane	1.89	101	12091	1.994	ug/l	93
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	6254	1.961	ug/l	99
9) 1,1-Dichloroethene	2.29	96	5654	2.019	ug/l	95
10) Iodomethane	2.41	142	6393	1.699	ug/l	97
11) Allyl Chloride	2.59	41	12015	1.813	ug/l	92
12) Acrylonitrile	2.95	53	2866	3.358	ug/l	96
13) Acetone	2.33	43	6595	8.468	ug/l	99
14) Carbon Disulfide	2.48	76	20199	1.938	ug/l	98
15) Methylene Chloride	2.70	84	6697	1.898	ug/l	97
16) trans-1,2-Dichloroethene	2.98	96	6460	2.072	ug/l	98
17) 1,1-Dichloroethane	3.44	63	13128	1.909	ug/l	98
18) 2-Butanone	4.29	43	11791	9.118	ug/l	99
19) Cyclohexane	4.99	56	13624m	2.209	ug/l	
20) Methylcyclohexane	6.41	83	12065	1.930	ug/l	98
21) 2,2-Dichloropropane	4.22	77	10806	1.779	ug/l	95
22) cis-1,2-Dichloroethene	4.23	96	7341	1.967	ug/l	99
23) Diethyl Ether	2.11	59	5312	1.995	ug/l	98
24) tert-Butyl Alcohol	2.85	59	5615	19.770	ug/l #	79
25) Methyl tert-Butyl Ether	3.01	73	17362	1.947	ug/l	93
26) Bromochloromethane	4.55	128	2923	1.953	ug/l	99
27) Chloroform	4.67	83	13194	1.970	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	11642	1.953	ug/l	98
29) 1,1-Dichloropropene	5.13	75	11133	2.138	ug/l	99
30) Carbon Tetrachloride	5.13	117	10492	1.970	ug/l	97
31) Isopropyl Ether	3.58	45	24630	1.988	ug/l	97
32) Ethyl-t-butyl ether	4.08	59	21063	1.916	ug/l	98
33) Tert-Amyl methyl ether	5.58	73	17886	1.917	ug/l	99
34) Propionitrile	4.34	54	2805	9.098	ug/l #	96
35) Benzene	5.39	78	29413	2.021	ug/l	100
36) 1,2-Dichloroethane	5.41	62	9634	1.990	ug/l	99
37) Trichloroethene	6.19	130	7237	2.016	ug/l	90
38) 1,2-Dichloropropane	6.44	63	8112	1.985	ug/l	99
39) Methacrylonitrile	4.56	41	3341	1.962	ug/l	92
40) Methyl acrylate	4.44	55	4224	1.904	ug/l #	94
41) Tetrahydrofuran	4.66	42	3304	3.512	ug/l	98
42) 1-Chlorobutane	5.06	56	16319	1.987	ug/l	98

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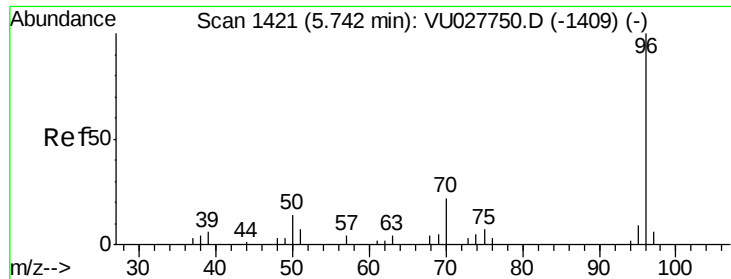
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Quant Time: Oct 24 05:55:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U0102318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 23 09:12:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	3372	1.815	ug/l	95
44) Bromodichloromethane	6.76	83	9965	1.976	ug/l	96
45) 4-Methyl-2-Pentanone	7.47	43	28644	9.500	ug/l	99
46) t-1,4-Dichloro-2-butene	10.52	75	3593m	3.305	ug/l	
47) Methyl methacrylate	6.63	69	6901	3.523	ug/l	85
48) Ethyl methacrylate	8.03	69	7405	1.819	ug/l	93
49) Toluene	7.64	92	17176	1.990	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	9648	1.920	ug/l	96
51) cis-1,3-Dichloropropene	7.27	75	12084	2.041	ug/l	100
52) 1,1,2-Trichloroethane	8.07	97	4698	1.872	ug/l	92
53) 1,3-Dichloropropane	8.25	76	9919	2.058	ug/l	99
54) 2-Hexanone	8.37	43	20158	9.381	ug/l	99
55) Dibromochloromethane	8.48	129	6027	1.911	ug/l	96
56) 1,2-Dibromoethane	8.59	107	4514	1.833	ug/l	96
58) Tetrachloroethene	8.23	164	6468	1.910	ug/l	97
59) Chlorobenzene	9.12	112	18257	1.973	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.21	131	6719	1.998	ug/l	97
61) Pentachloroethane	11.10	117	4926	1.963	ug/l	100
62) Hexachloroethane	12.15	117	5561	2.018	ug/l	97
63) Ethyl Benzene	9.25	91	34694	1.980	ug/l	99
64) m/p-Xylenes	9.38	106	24893	3.981	ug/l	100
65) o-Xylene	9.78	106	11932	1.924	ug/l	95
66) Styrene	9.79	104	20486	2.002	ug/l	99
67) Bromoform	9.96	173	3509	1.922	ug/l #	94
69) Isopropylbenzene	10.17	105	34094	2.009	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	5882	1.764	ug/l	96
71) 1,2,3-Trichloropropane	10.50	75	4509	1.740	ug/l #	95
72) Bromobenzene	10.45	156	7632	2.018	ug/l	99
73) n-propylbenzene	10.59	120	8922	2.038	ug/l	98
74) 2-Chlorotoluene	10.66	126	7430	1.982	ug/l	92
75) 1,3,5-Trimethylbenzene	10.77	105	28010	1.978	ug/l	99
76) 4-Chlorotoluene	10.77	126	7414	1.952	ug/l	95
77) tert-Butylbenzene	11.10	119	27655	1.985	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	29169	2.004	ug/l	100
79) sec-Butylbenzene	11.32	105	36827	1.996	ug/l	100
80) Nitrobenzene	12.87	77	969	7.861	ug/l #	81
81) p-Isopropyltoluene	11.48	119	29750	1.973	ug/l	100
82) 1,3-Dichlorobenzene	11.42	146	14987	2.003	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	14619	1.950	ug/l	98
84) n-Butylbenzene	11.89	91	29255	1.997	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	14174	1.985	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1050	1.695	ug/l #	86
87) 1,2,4-Trichlorobenzene	13.50	180	10734	2.069	ug/l	97
88) Hexachlorobutadiene	13.69	225	5886	1.891	ug/l	96
89) Naphthalene	13.75	128	18578	1.907	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	9739	1.972	ug/l	97

(#) = 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: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

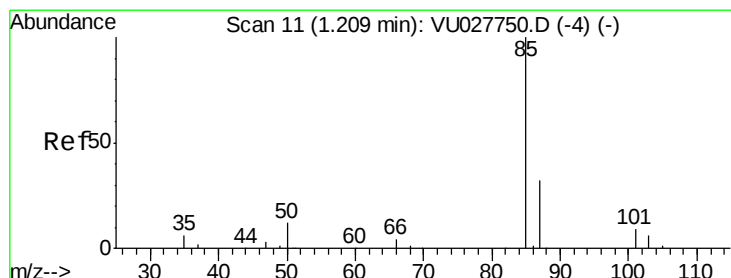
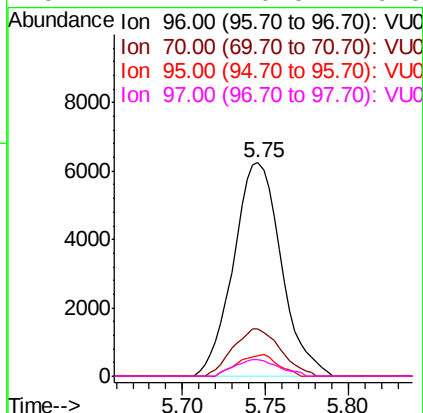
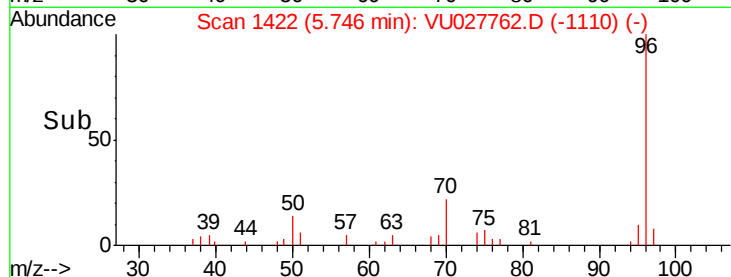
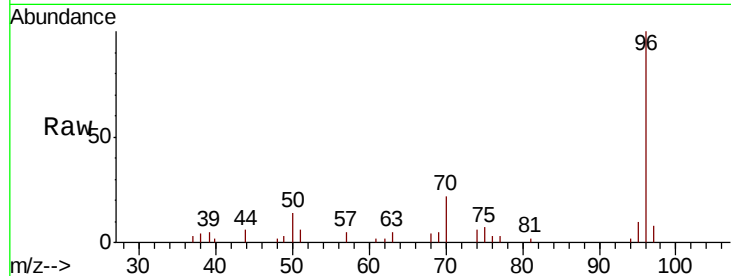
ClientSampleId :

VU1023WBS01

Tot Ion:	96	Resp:	12554
Ion	Ratio	Lower	Upper
96	100		
70	22.1	17.7	26.5
95	8.5	7.0	10.6
97	7.2	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 1.984 ug/l

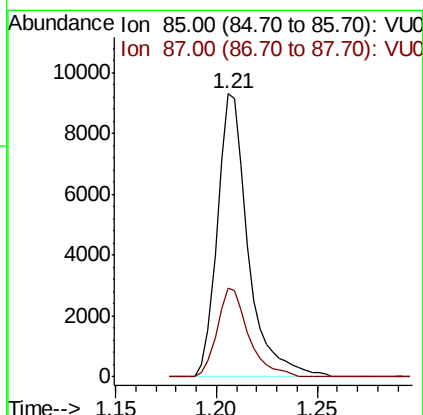
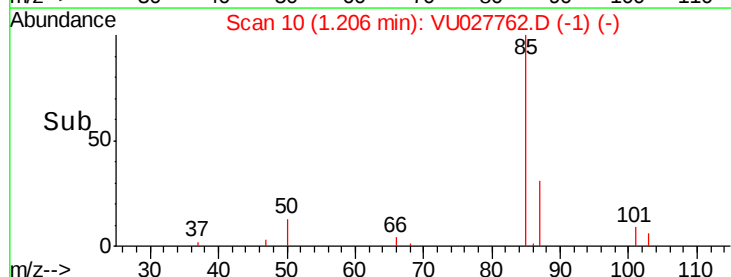
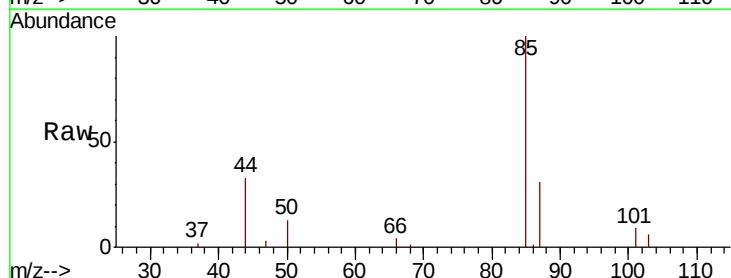
RT: 1.21 min Scan# 10

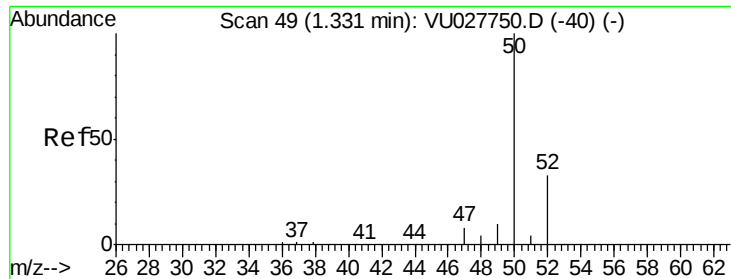
Delta R.T. -0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Tgt Ion:	85	Resp:	9890
Ion	Ratio	Lower	Upper
85	100		
87	31.3	15.9	47.6





#3

Chloromethane

Concen: 1.906 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBS01

Tot Ion: 50 Resp: 10156

Ion Ratio Lower Upper

50 100

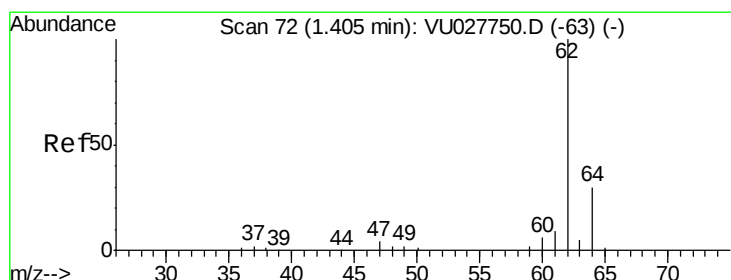
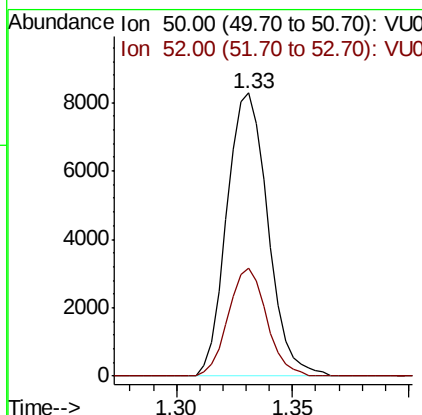
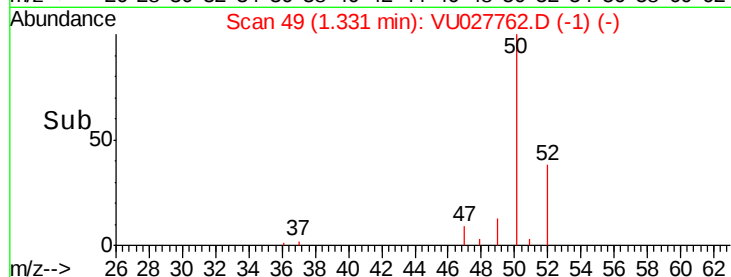
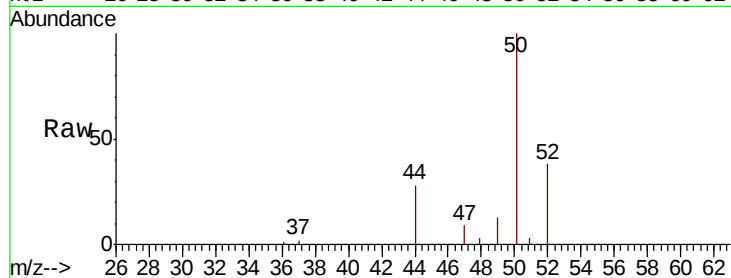
52 38.0 26.6 40.0

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#4

Vinyl Chloride

Concen: 1.967 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027762.D

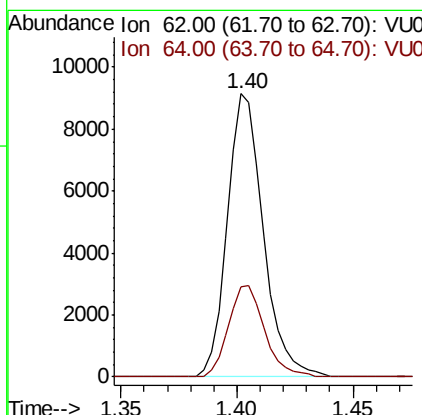
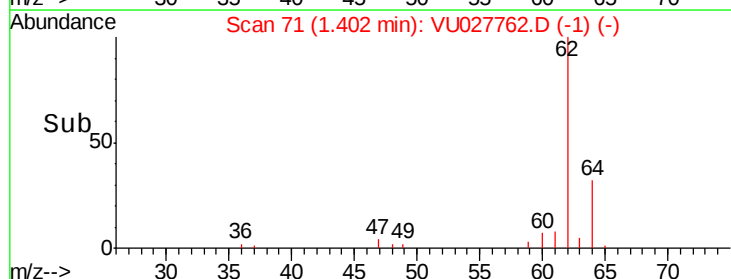
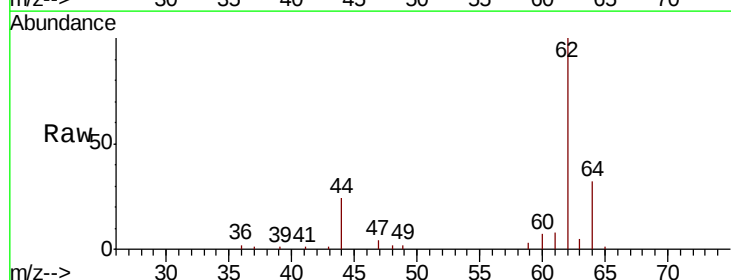
Acq: 23 Oct 2018 14:01

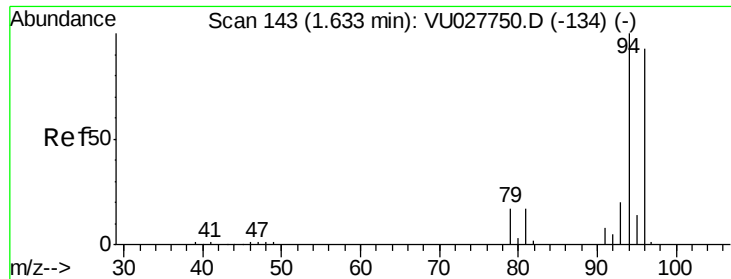
Tgt Ion: 62 Resp: 9788

Ion Ratio Lower Upper

62 100

64 32.0 24.3 36.5





#5

Bromomethane

Concen: 2.132 ug/l

RT: 1.63 min Scan# 142

Delta R.T. -0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBS01

Tot Ion: 94 Resp: 5579

Ion Ratio Lower Upper

94 100

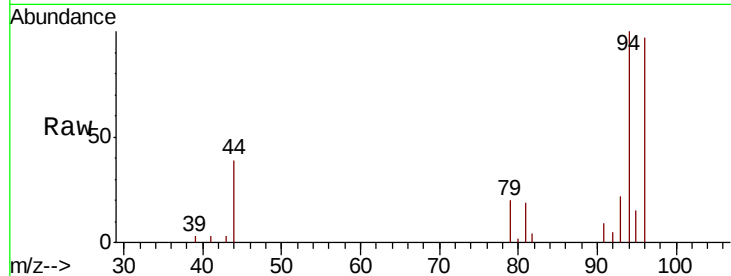
96 97.2 74.2 111.4

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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.63

4000

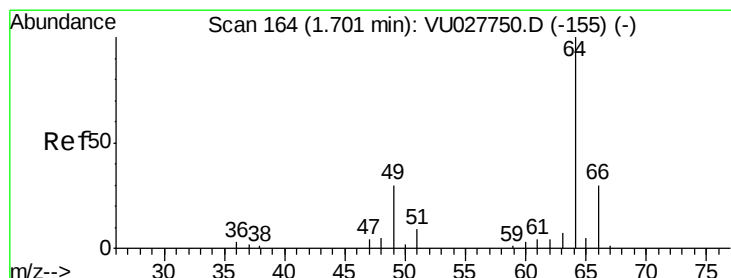
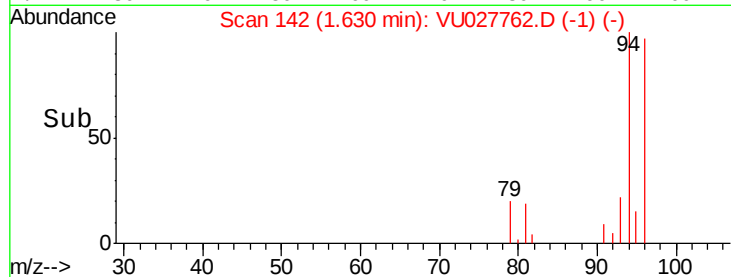
3000

2000

1000

0

Time-->



#6

Chloroethane

Concen: 2.093 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU027762.D

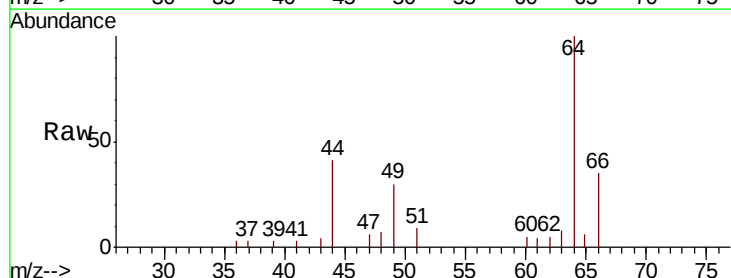
Acq: 23 Oct 2018 14:01

Tgt Ion: 64 Resp: 5647

Ion Ratio Lower Upper

64 100

66 35.5 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

1.70

4000

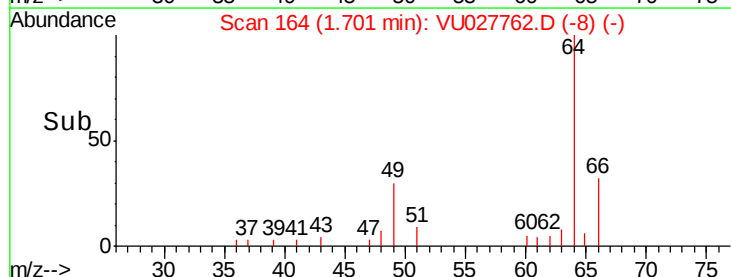
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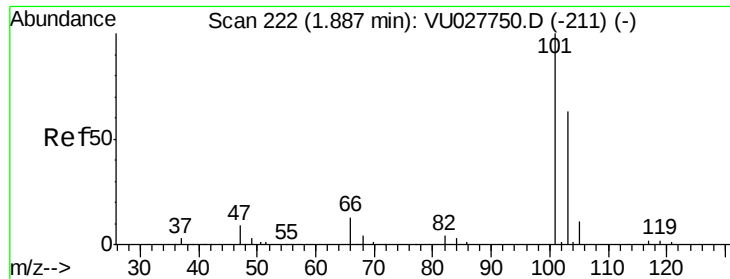
2000

1000

0

Time-->





#7

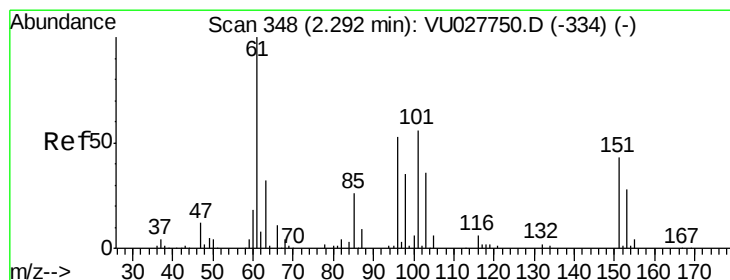
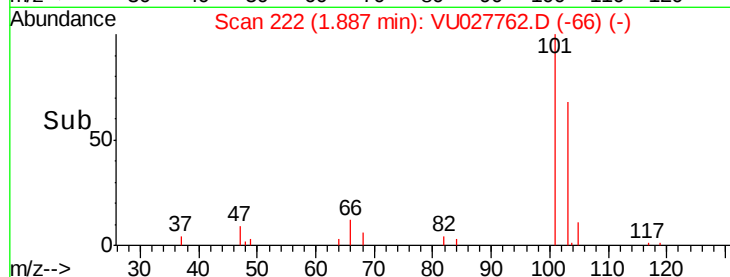
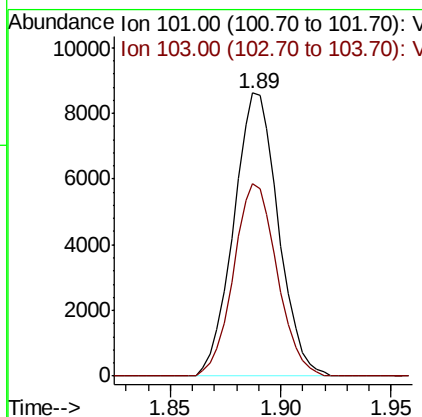
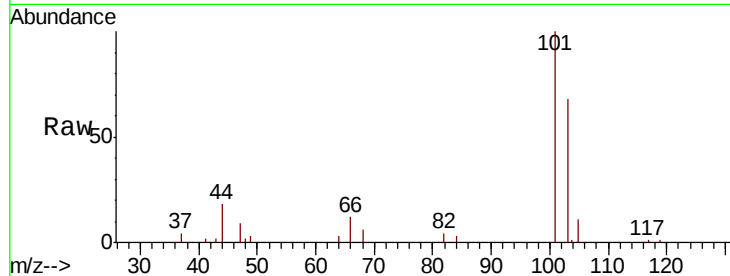
Trichlorofluoromethane
Concen: 1.994 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Instrument :
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ClientSampleId :
VU1023WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.1	50.2	75.2

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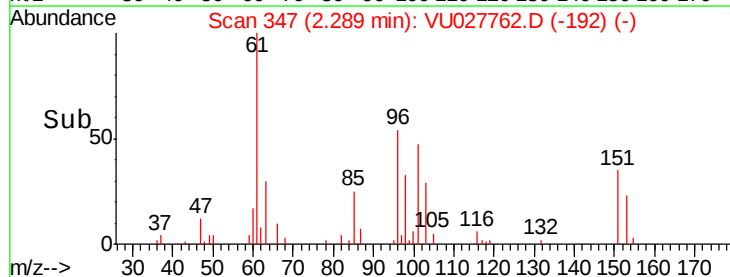
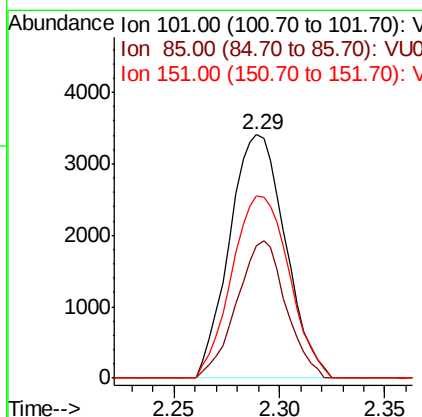
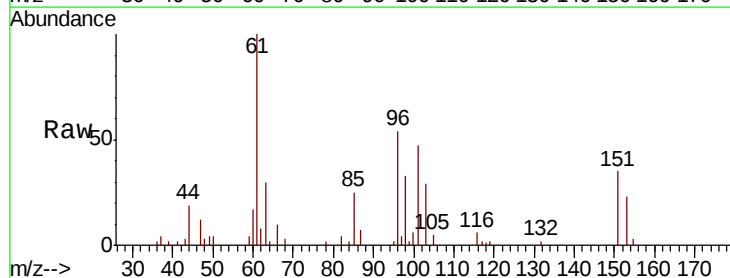
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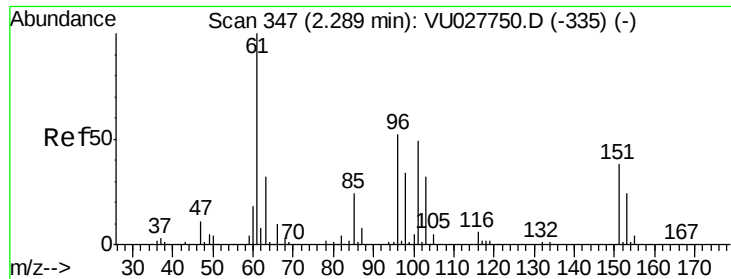


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.961 ug/l
RT: 2.29 min Scan# 347
Delta R.T. -0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion	Ratio	Lower	Upper
101	100		
85	49.8	38.2	57.2
151	77.0	61.8	92.8





#9

1,1-Dichloroethene

Concen: 2.019 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

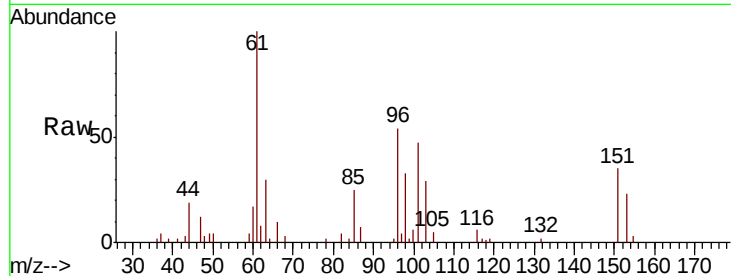
ClientSampleId :

VU1023WBS01

Tot Ion:	96	Resp:	5654
Ion	Ratio	Lower	Upper
96	100		
61	186.5	0.0	581.4
98	61.7	0.0	131.2

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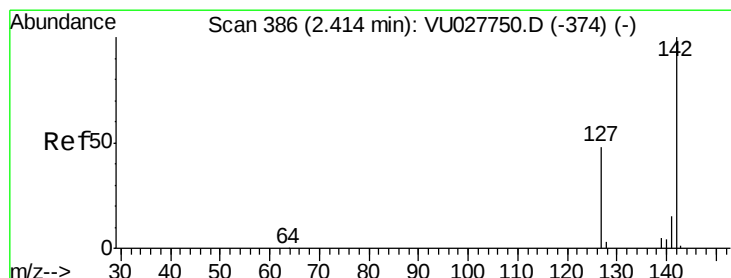
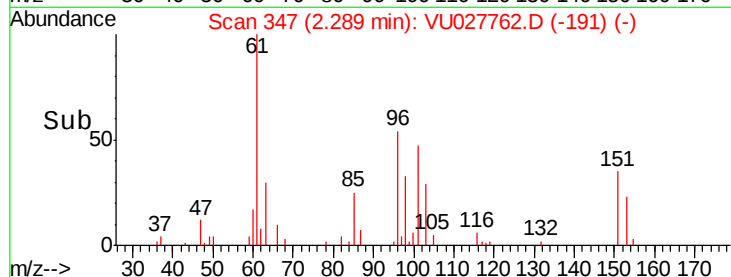
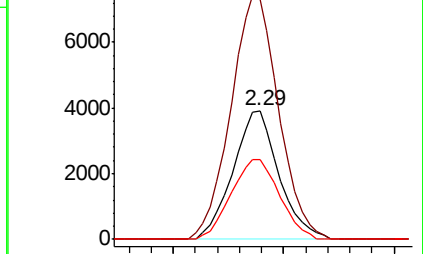
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Abundance Ion 96.00 (95.70 to 96.70): VU027750.D (-335) (-)

Ion 61.00 (60.70 to 61.70): VU027750.D (-335) (-)

Ion 98.00 (97.70 to 98.70): VU027750.D (-335) (-)



#10

Iodomethane

Concen: 1.699 ug/l

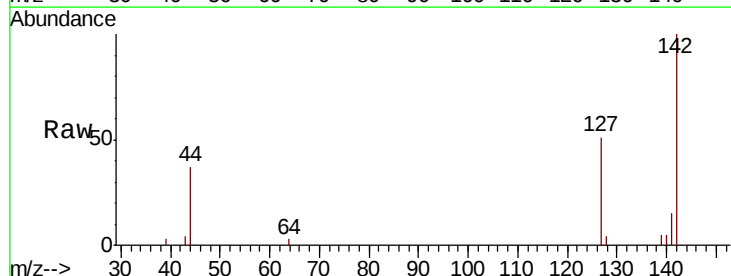
RT: 2.41 min Scan# 385

Delta R.T. -0.00 min

Lab File: VU027762.D

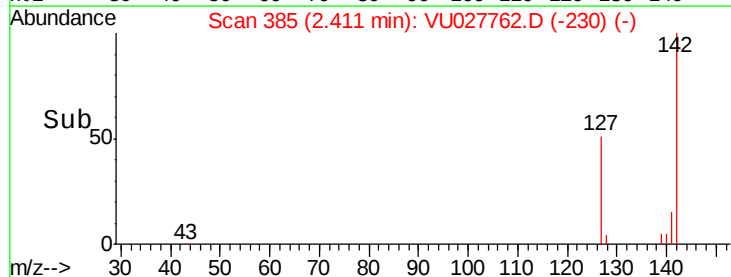
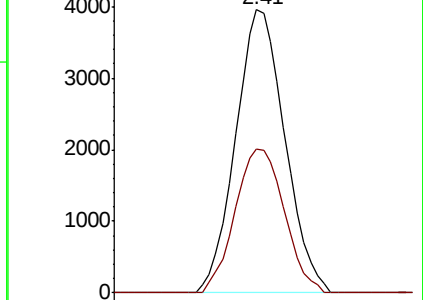
Acq: 23 Oct 2018 14:01

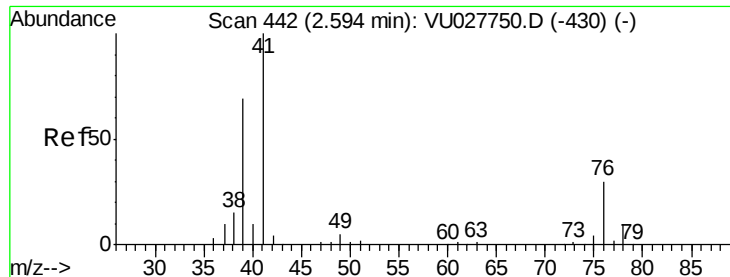
Tgt Ion:	142	Resp:	6393
Ion	Ratio	Lower	Upper
142	100		
127	50.8	39.2	58.8



Abundance Ion 142.00 (141.70 to 142.70): VU027750.D (-374) (-)

Ion 127.00 (126.70 to 127.70): VU027750.D (-374) (-)





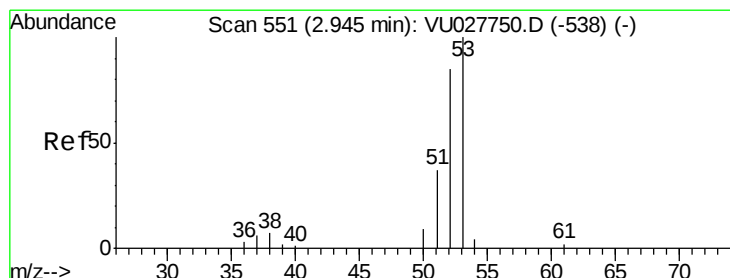
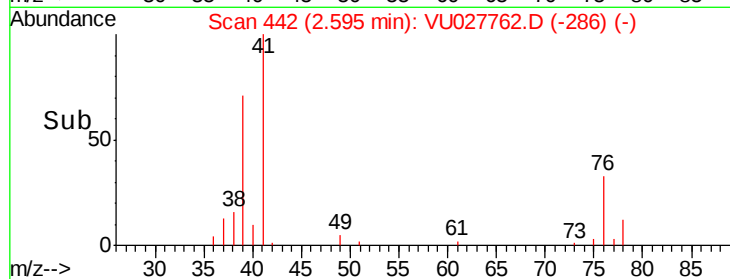
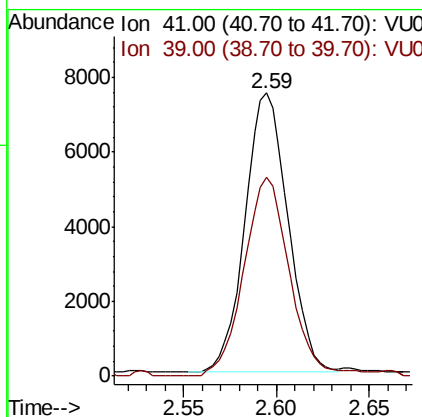
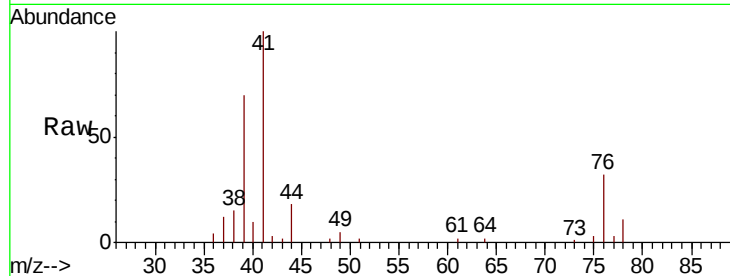
#11
Allvl Chloride
Concen: 1.813 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBS01

Tot Ion: 41 Resp: 12015
Ion Ratio Lower Upper
41 100
39 75.8 55.4 83.0

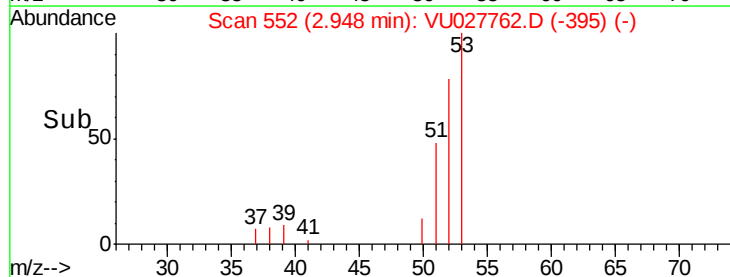
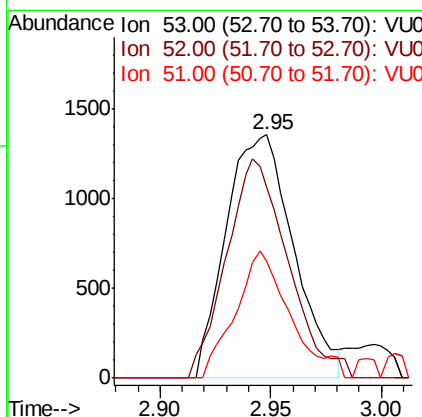
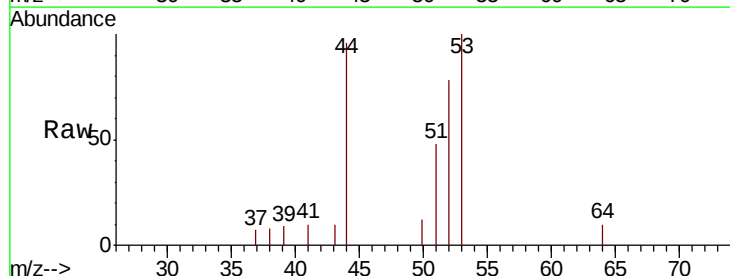
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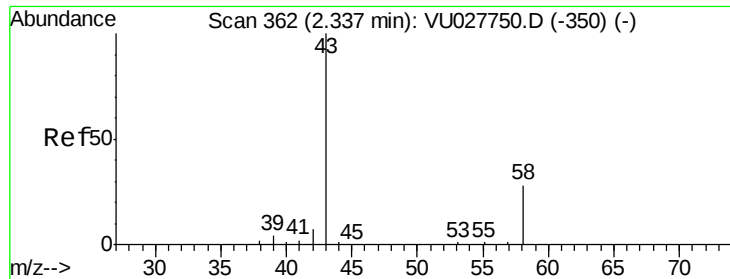
sam
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#12
Acrylonitrile
Concen: 3.358 ug/l
RT: 2.95 min Scan# 552
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion: 53 Resp: 2866
Ion Ratio Lower Upper
53 100
52 82.2 67.9 101.9
51 42.2 30.0 45.0





#13

Acetone

Concen: 8.468 ug/l

RT: 2.33 min Scan# 360

Delta R.T. -0.01 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBS01

Tot Ion: 43 Resp: 6595

Ion Ratio Lower Upper

43 100

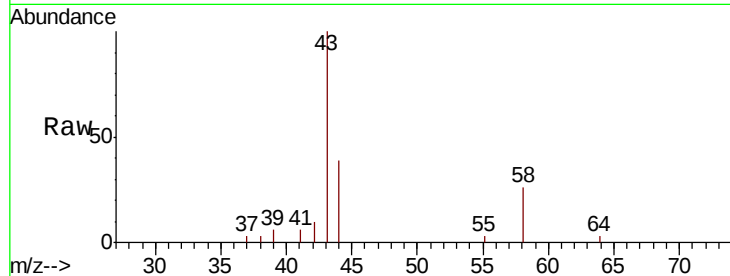
58 27.5 22.3 33.5

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Abundance Ion 43.00 (42.70 to 43.70): VU027762.D (-206) (-)

Ion 58.00 (57.70 to 58.70): VU027762.D (-206) (-)

2.33

4000

3000

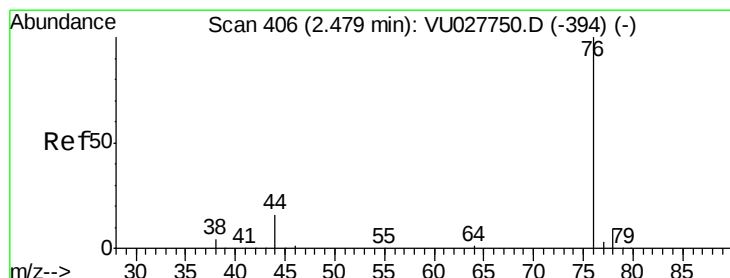
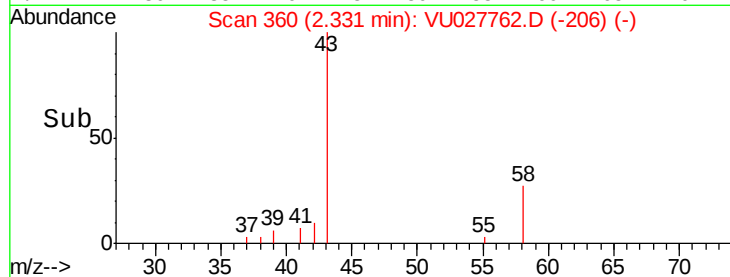
2000

1000

0

Time-->

2.25 2.30 2.35 2.40



#14

Carbon Disulfide

Concen: 1.938 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027762.D

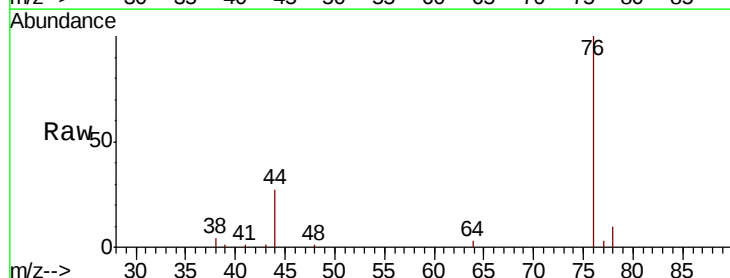
Acq: 23 Oct 2018 14:01

Tgt Ion: 76 Resp: 20199

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU027762.D (-250) (-)

Ion 78.00 (77.70 to 78.70): VU027762.D (-250) (-)

2.48

15000

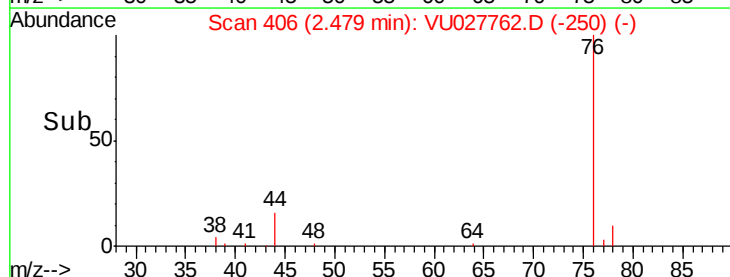
10000

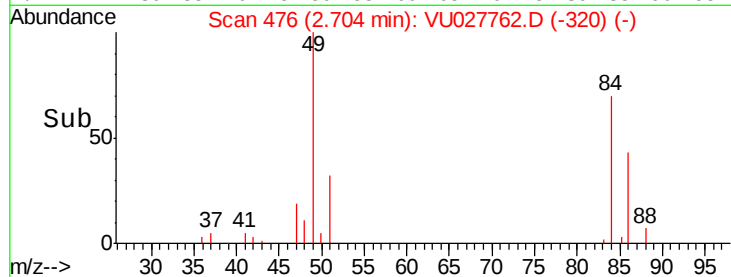
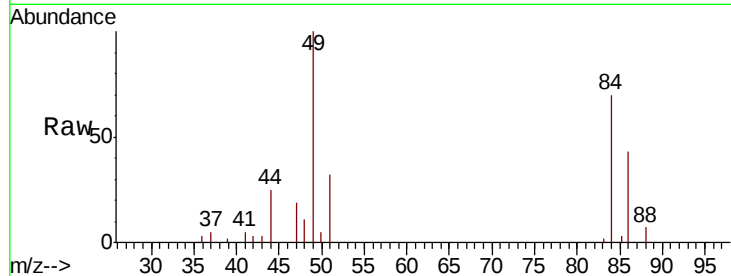
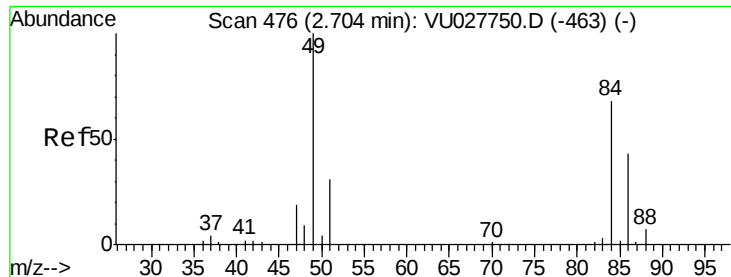
5000

0

Time-->

2.40 2.45 2.50 2.55





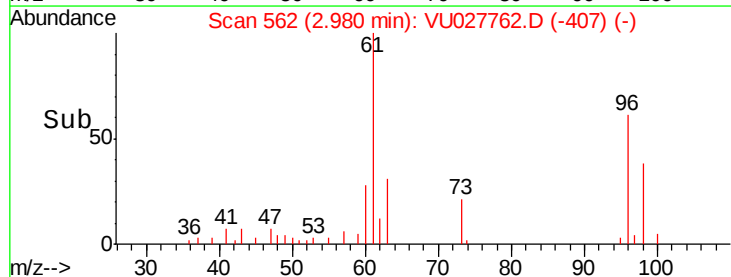
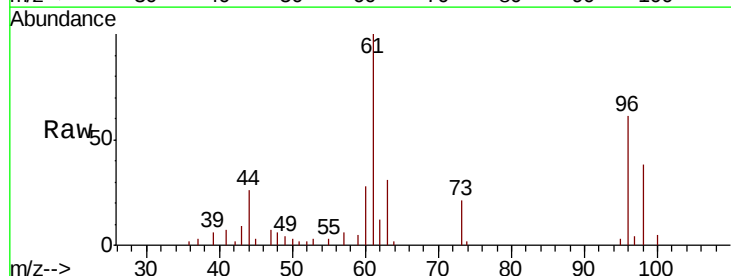
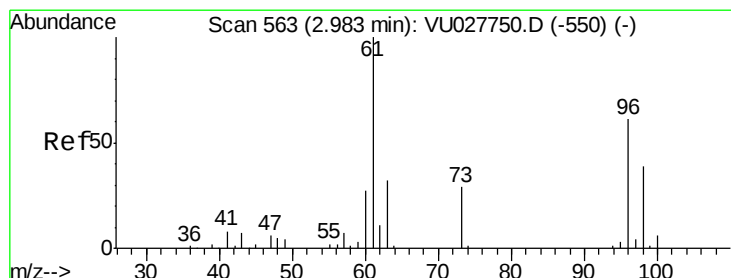
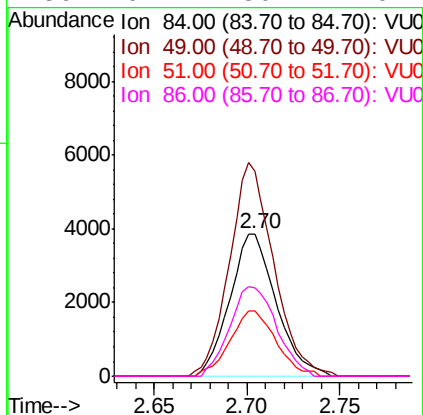
#15
Methvlene Chloride
Concen: 1.898 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tot Ion:	84	Resp:	6697
Ion	Ratio	Lower	Upper
84	100		
49	143.5	118.5	177.7
51	46.0	0.0	91.0
86	61.7	50.7	76.1

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBS01

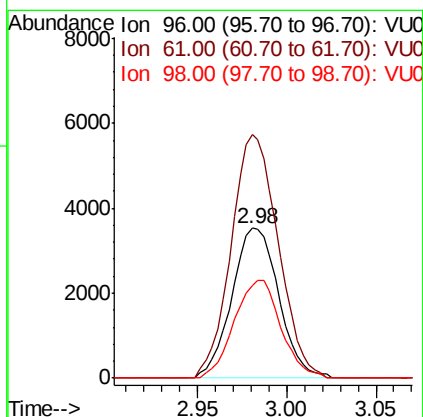
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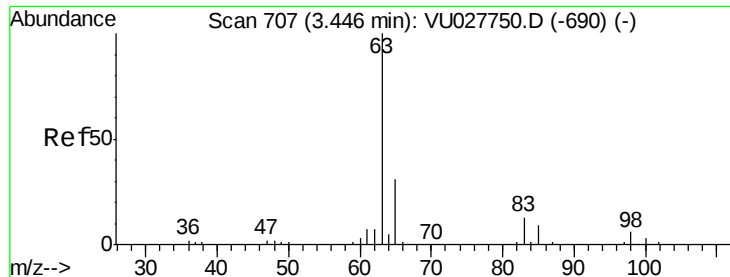
sam
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#16
trans-1,2-Dichloroethene
Concen: 2.072 ug/l
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion:	96	Resp:	6460
Ion	Ratio	Lower	Upper
96	100		
61	162.6	131.8	197.6
98	61.6	51.2	76.8





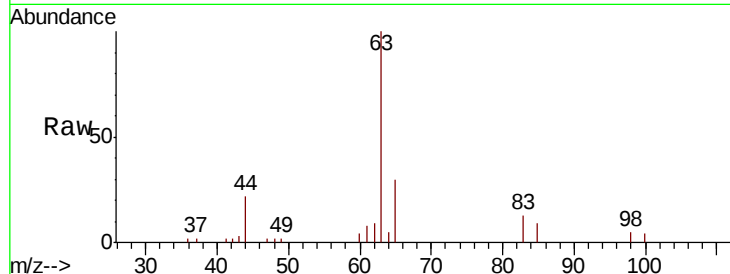
#17
 1,1-Dichloroethane
 Concen: 1.909 ug/l
 RT: 3.44 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1023WBS01

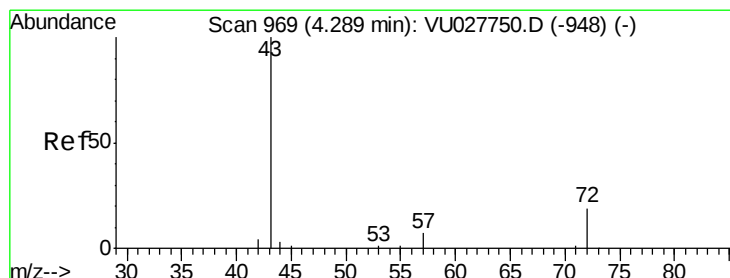
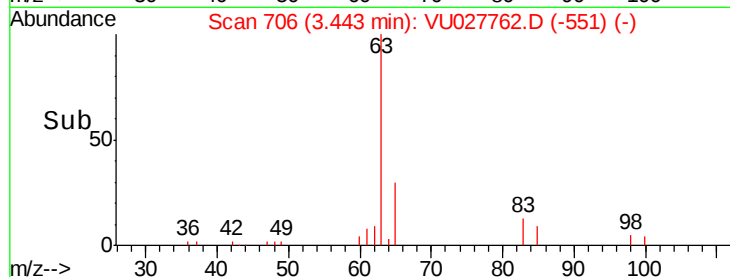
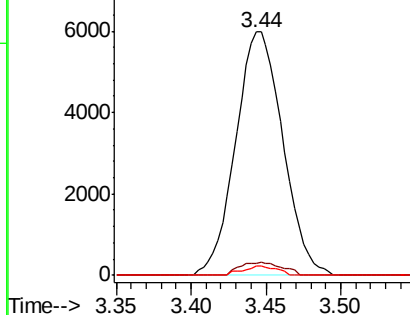
Tot Ion:	63	Resp:	13128
Ion Ratio	Lower	Upper	
63	100		
98	5.1	2.8	8.4
100	3.7	1.5	4.5

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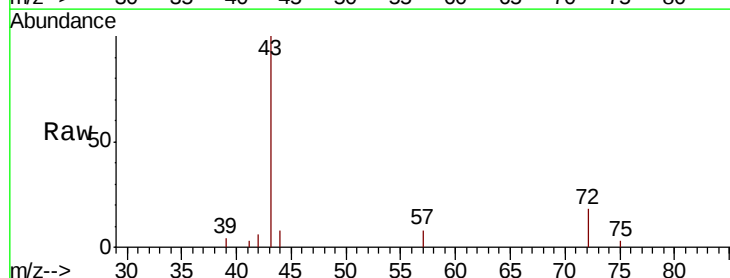


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

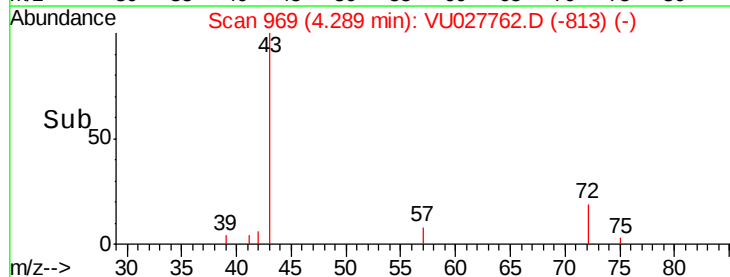
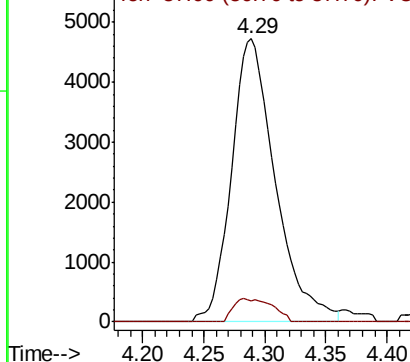


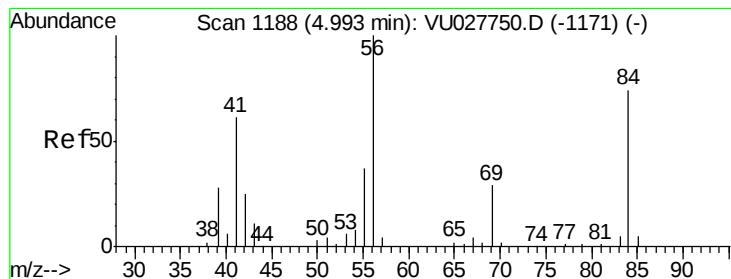
#18
 2-Butanone
 Concen: 9.118 ug/l
 RT: 4.29 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Tgt Ion:	43	Resp:	11791
Ion Ratio	Lower	Upper	
43	100		
57	7.6	0.0	14.4



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0





#19

Cyclohexane

Concen: 2.209 ug/l m

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

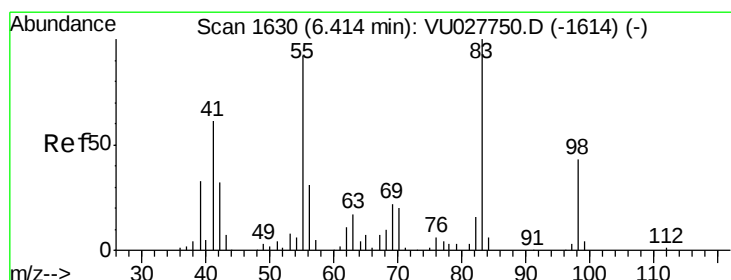
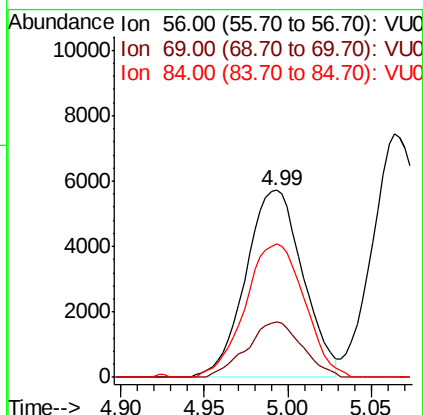
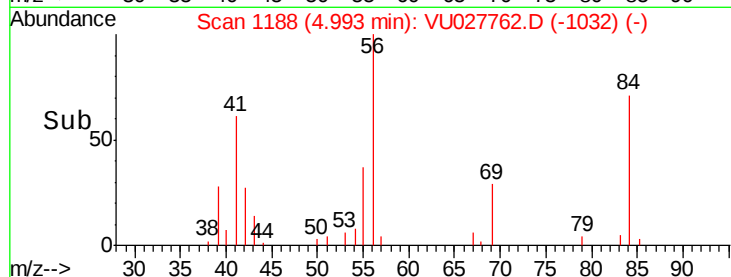
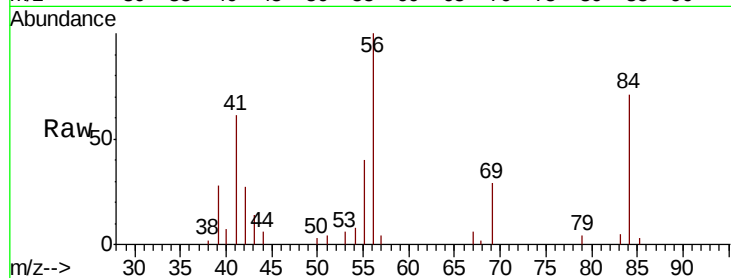
ClientSampleId :

VU1023WBS01

Tot Ion:	56	Resp:	13624
Ion	Ratio	Lower	Upper
56	100		
69	28.7	25.9	38.9
84	73.8	65.9	98.9

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#20

Methylcyclohexane

Concen: 1.930 ug/l

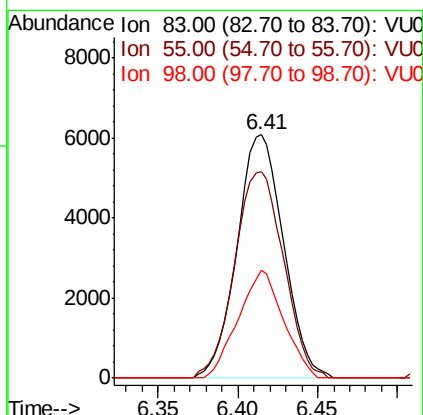
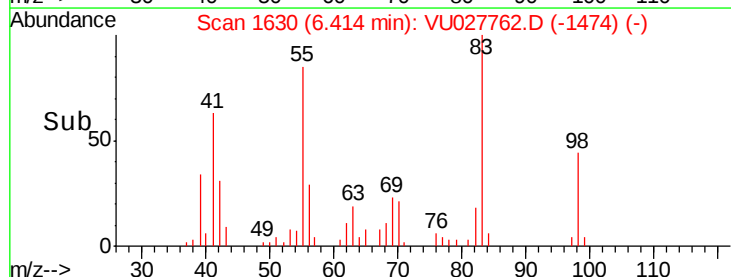
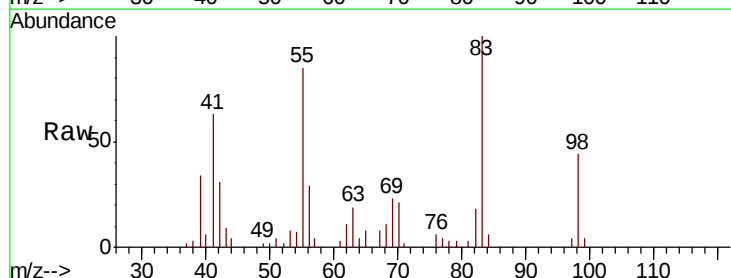
RT: 6.41 min Scan# 1630

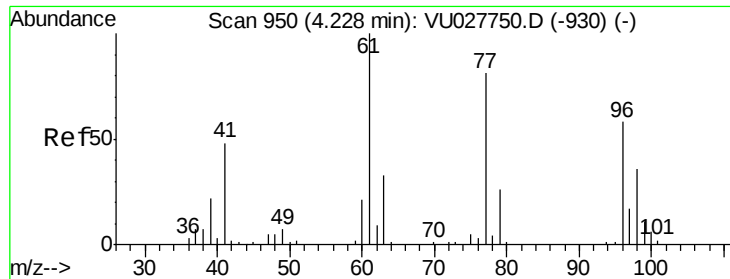
Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Tgt Ion:	83	Resp:	12065
Ion	Ratio	Lower	Upper
83	100		
55	89.1	72.6	108.8
98	42.8	35.0	52.4





#21

2,2-Dichloropropane

Concen: 1.779 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBS01

Tot Ion: 77 Resp: 10806

Ion Ratio Lower Upper

77 100

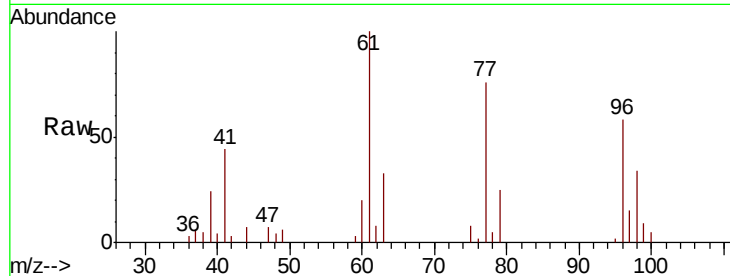
97 18.7 16.9 25.3

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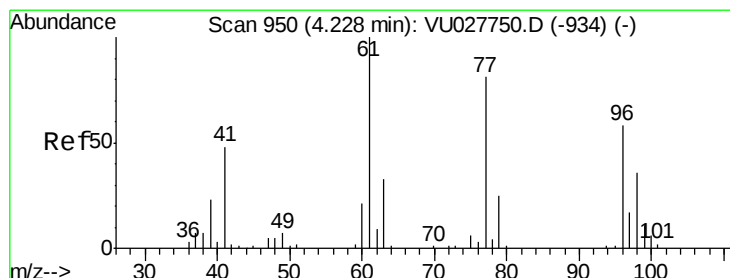
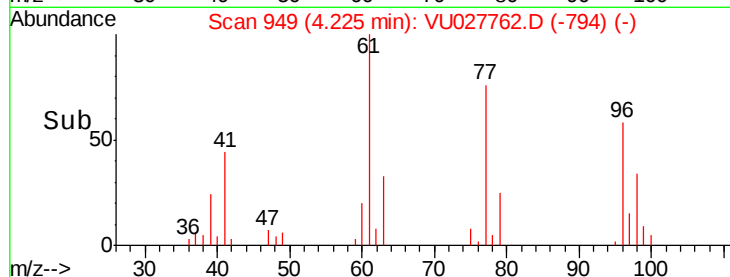
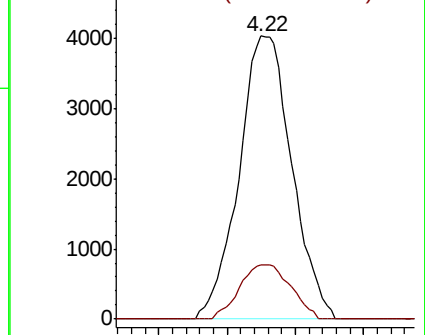
sam

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Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 1.967 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

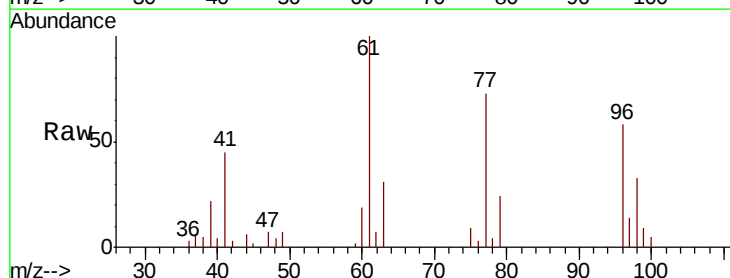
Tgt Ion: 96 Resp: 7341

Ion Ratio Lower Upper

96 100

61 176.7 0.0 444.0

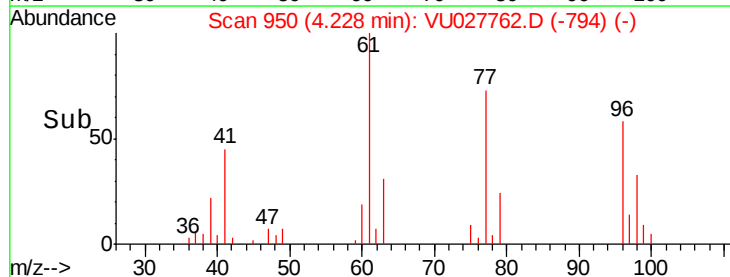
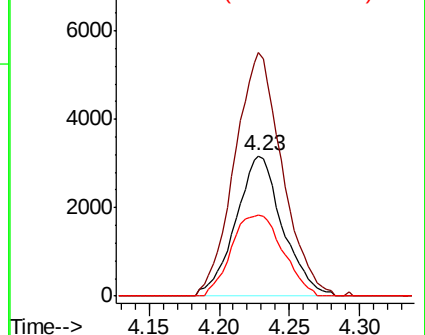
98 63.4 31.9 95.5

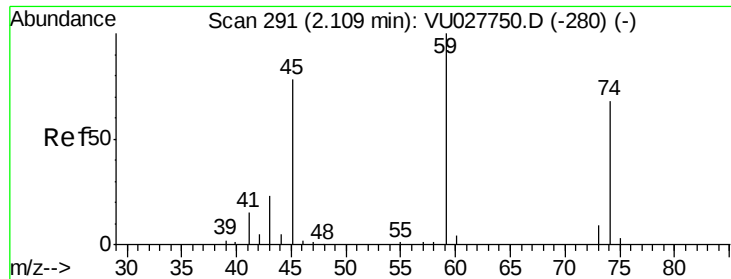


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#23

Diethyl Ether

Concen: 1.995 ug/l

RT: 2.11 min Scan# 291

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

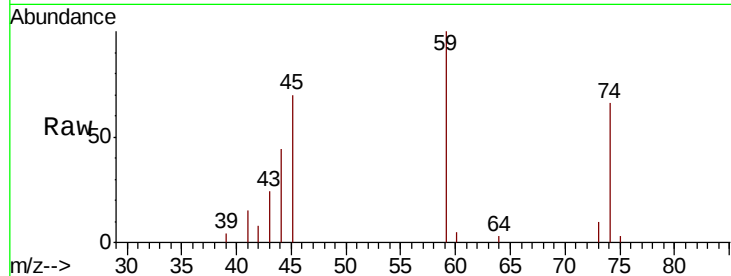
ClientSampleId :

VU1023WBS01

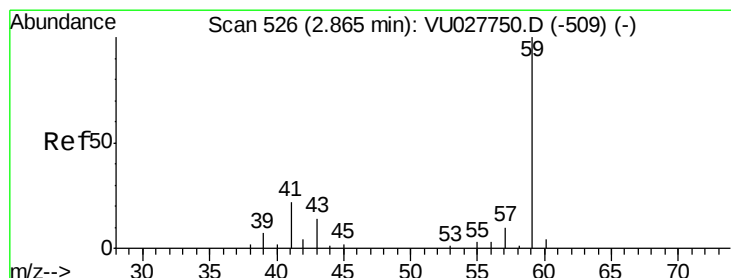
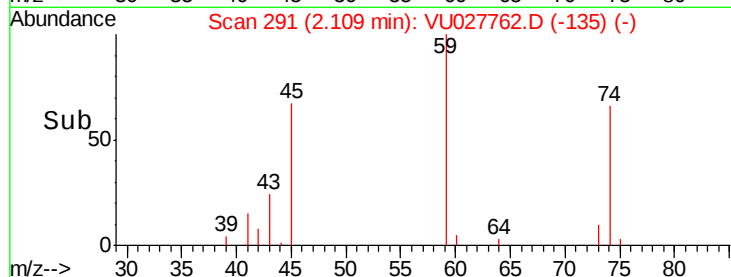
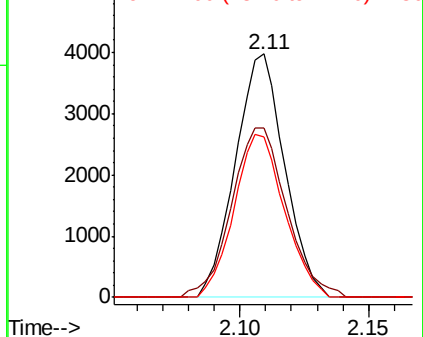
Tot Ion:	59	Resp:	5312
Ion	Ratio	Lower	Upper
59	100		
45	77.6	64.6	96.8
74	68.3	54.8	82.2

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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: 19.770 ug/l

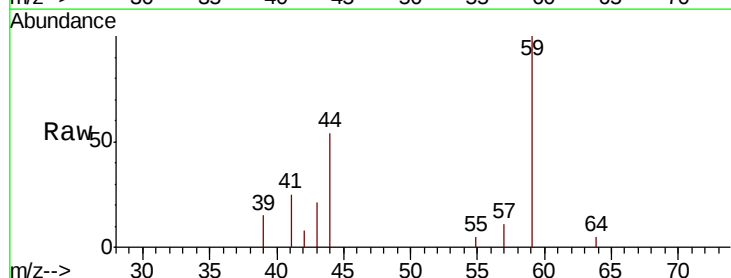
RT: 2.85 min Scan# 522

Delta R.T. -0.01 min

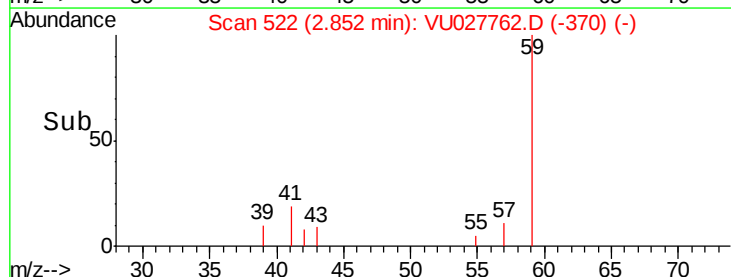
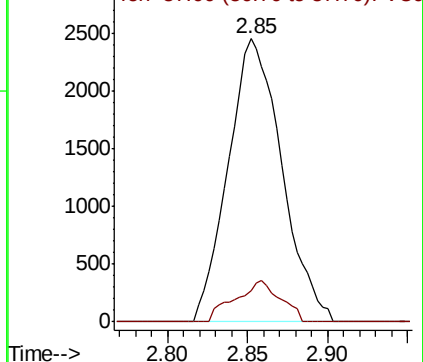
Lab File: VU027762.D

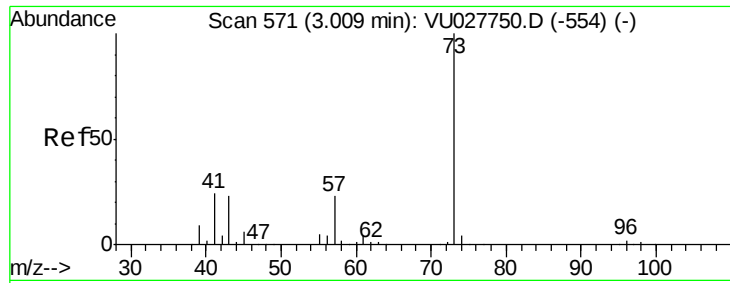
Acq: 23 Oct 2018 14:01

Tgt Ion:	59	Resp:	5615
Ion	Ratio	Lower	Upper
59	100		
57	12.4	4.4	6.6#



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





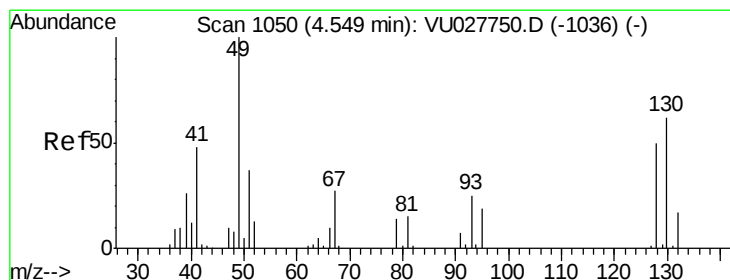
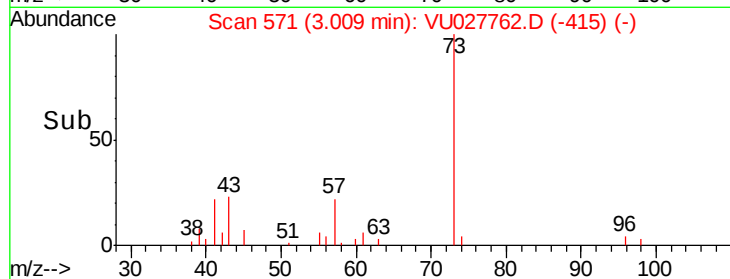
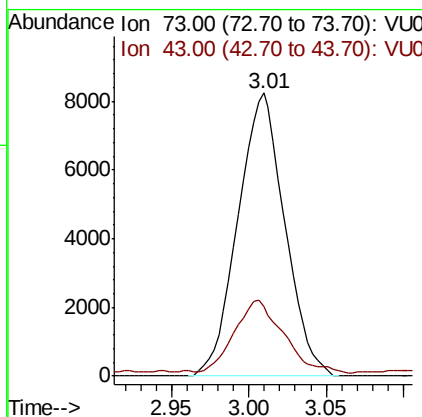
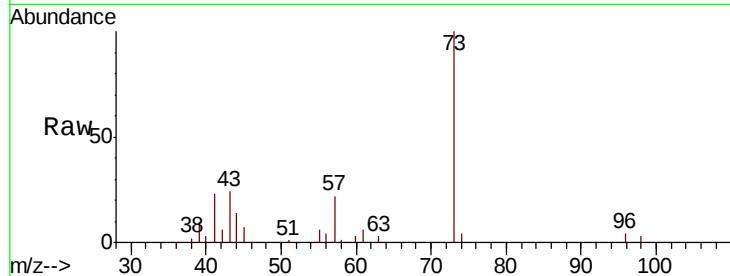
#25
Methvl tert-Butvl Ether
Concen: 1.947 ug/l
RT: 3.01 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBS01

Tot Ion: 73 Resp: 17362
Ion Ratio Lower Upper
73 100
43 26.5 18.6 27.8

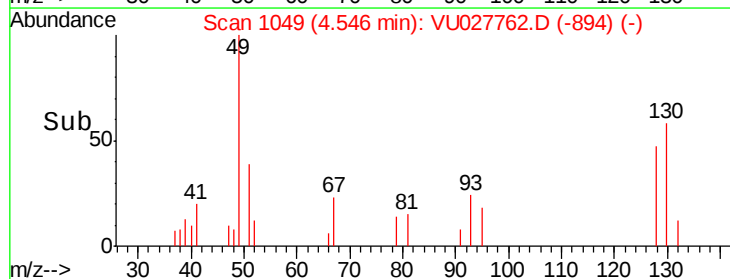
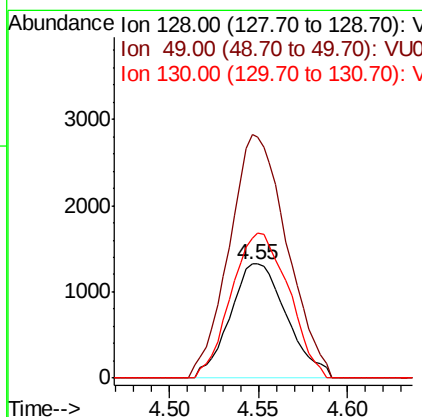
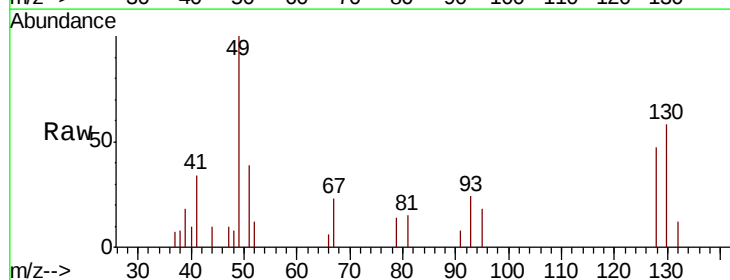
Manual Integrations
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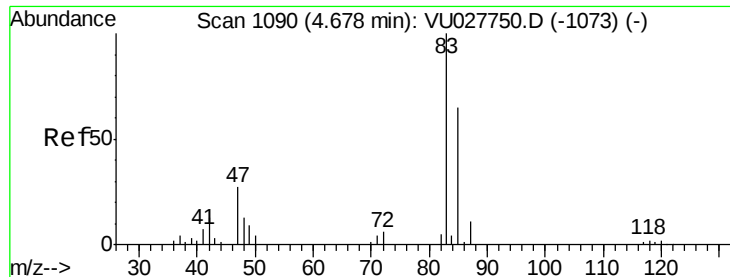
sam
10/24/2018 2:19:32 PM



#26
Bromochloromethane
Concen: 1.953 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion:128 Resp: 2923
Ion Ratio Lower Upper
128 100
49 217.1 0.0 427.6
130 128.8 103.4 155.0





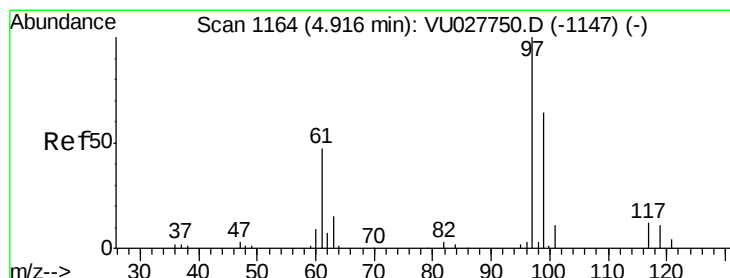
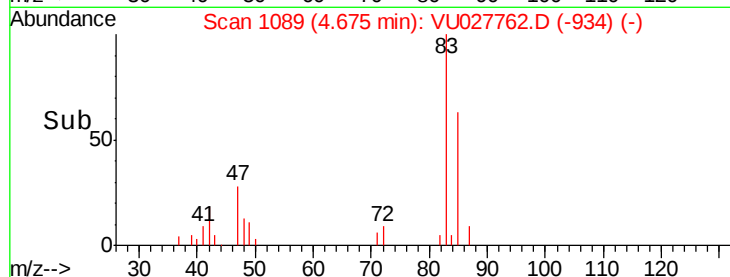
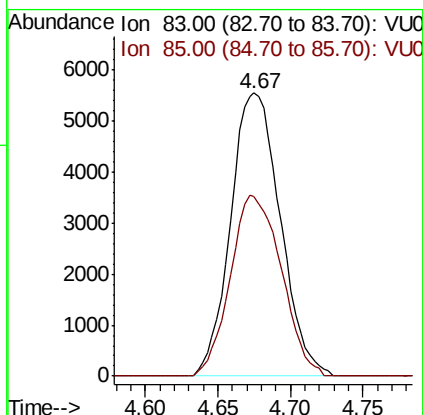
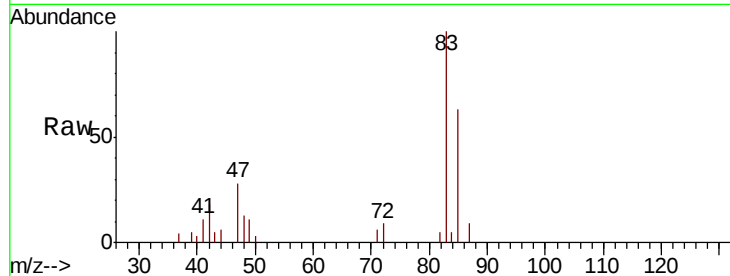
#27
Chloroform
Concen: 1.970 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBS01

Tot Ion	83	Resp	13194
Ion Ratio	100	Lower	Upper
85	63.3	0.0	130.2

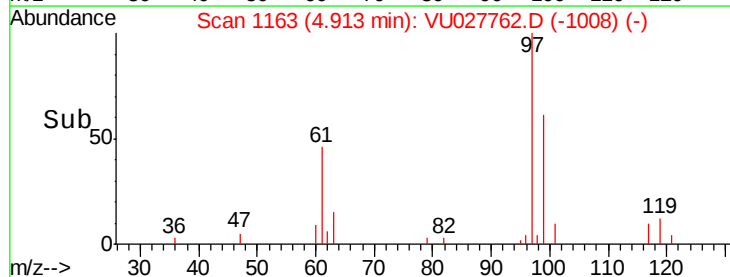
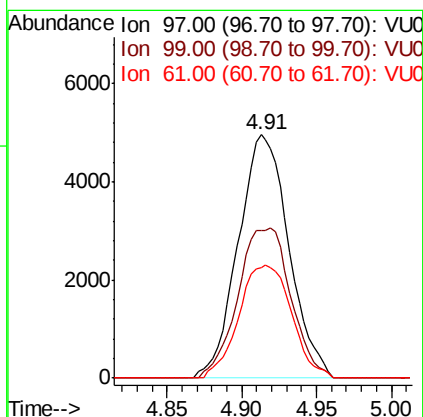
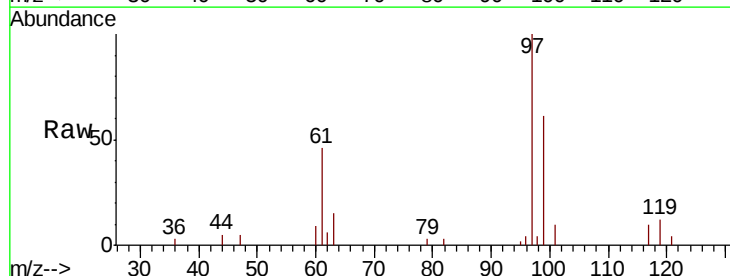
Manual Integrations
APPROVED

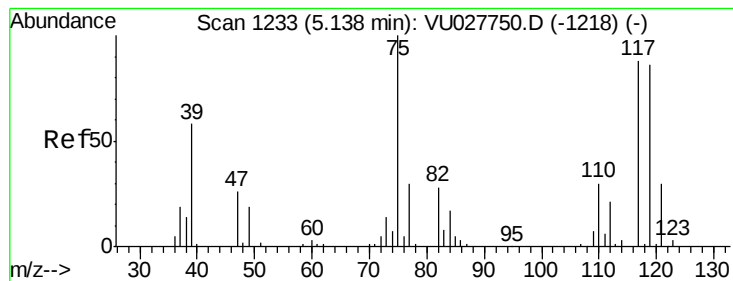
sam
10/24/2018 2:19:32 PM



#28
1,1,1-Trichloroethane
Concen: 1.953 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion	97	Resp	11642
Ion Ratio	100	Lower	Upper
99	64.7	31.8	95.4
61	48.4	23.6	70.8





#29

1,1-Dichloropropene

Concen: 2.138 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBS01

Tot Ion: 75 Resp: 11133

Ion Ratio Lower Upper

75 100

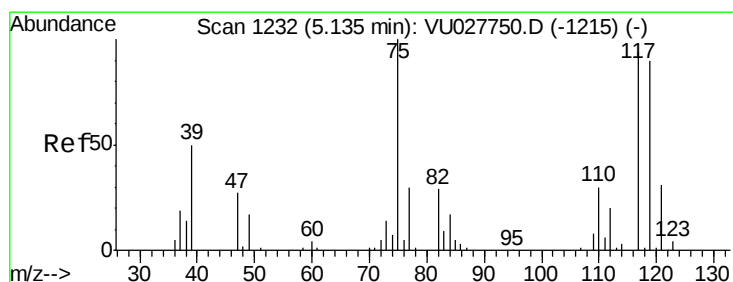
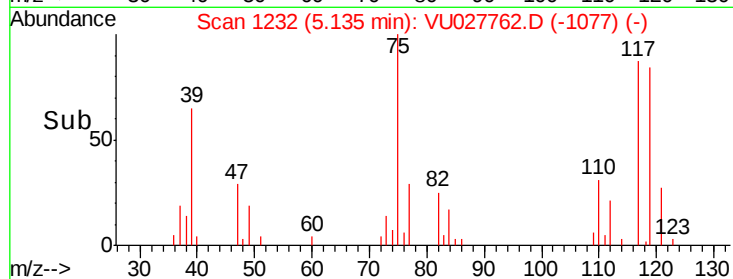
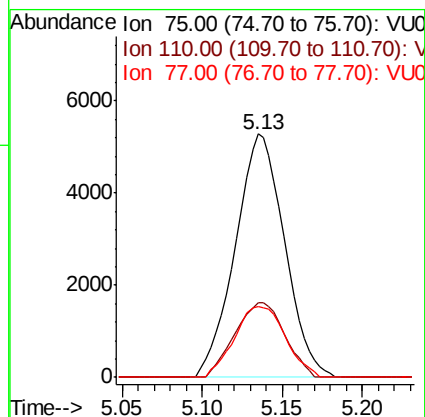
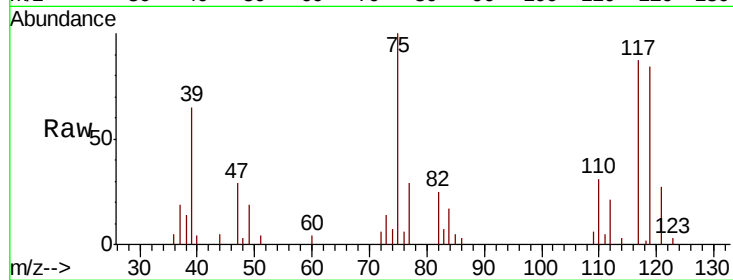
110 31.0 15.6 46.8

77 30.0 24.5 36.7

Manual Integrations
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sam

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#30

Carbon Tetrachloride

Concen: 1.970 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

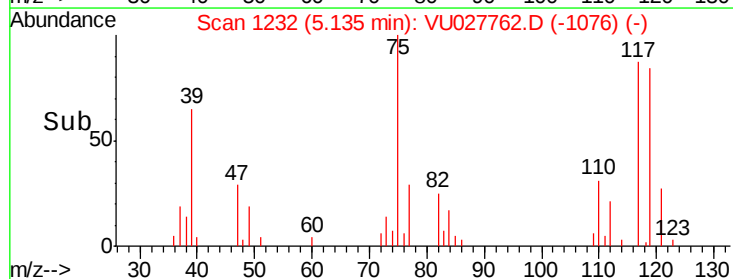
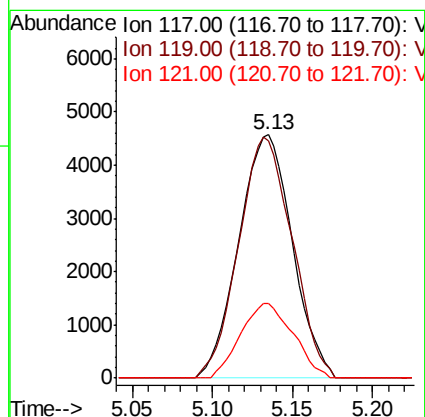
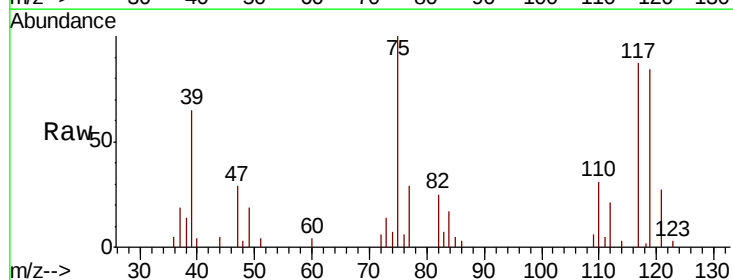
Tgt Ion: 117 Resp: 10492

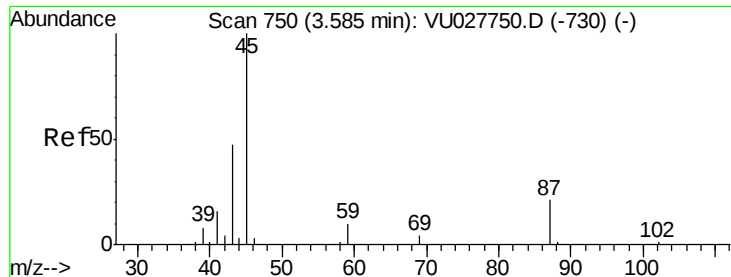
Ion Ratio Lower Upper

117 100

119 97.6 76.2 114.4

121 30.8 26.4 39.6





#31

Isopropyl Ether

Concen: 1.988 ug/l

RT: 3.58 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBS01

Tot Ion: 45 Resp: 24630

Ion Ratio Lower Upper

45 100

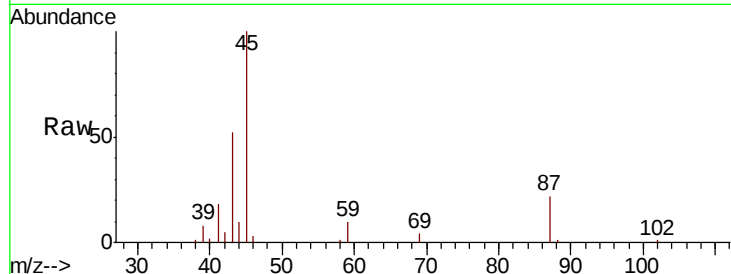
43 50.9 24.5 73.5

Manual Integrations

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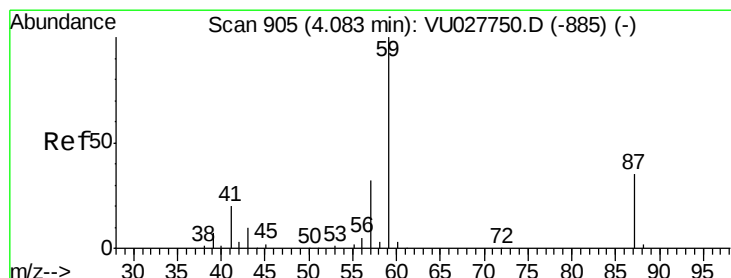
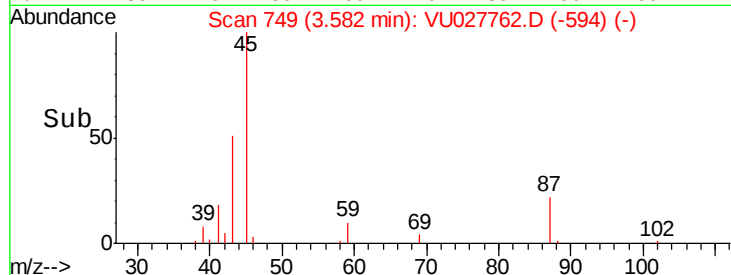
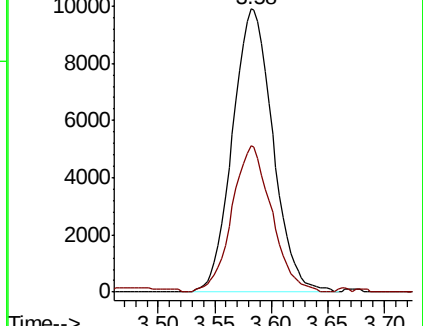
sam

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Abundance Ion 45.00 (44.70 to 45.70): VU027762.D (-749) (-)

Ion 43.00 (42.70 to 43.70): VU027762.D (-749) (-)



#32

Ethyl-t-butyl ether

Concen: 1.916 ug/l

RT: 4.08 min Scan# 904

Delta R.T. -0.00 min

Lab File: VU027762.D

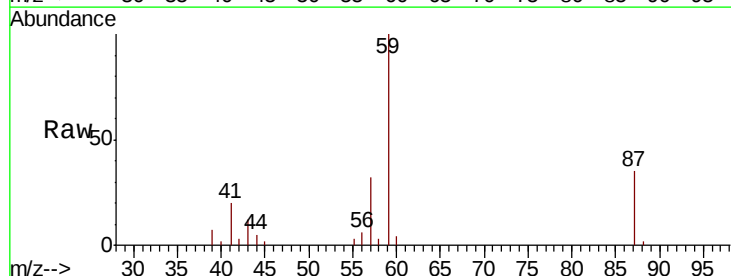
Acq: 23 Oct 2018 14:01

Tgt Ion: 59 Resp: 21063

Ion Ratio Lower Upper

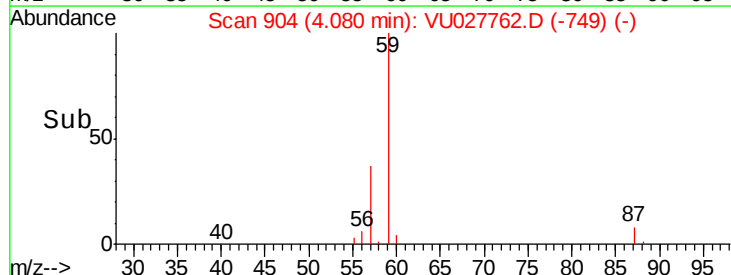
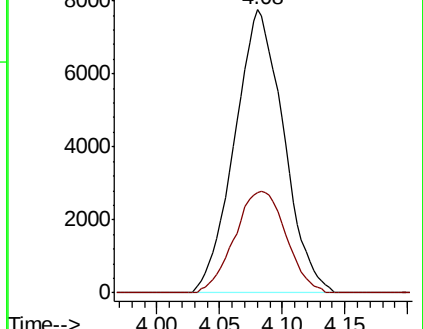
59 100

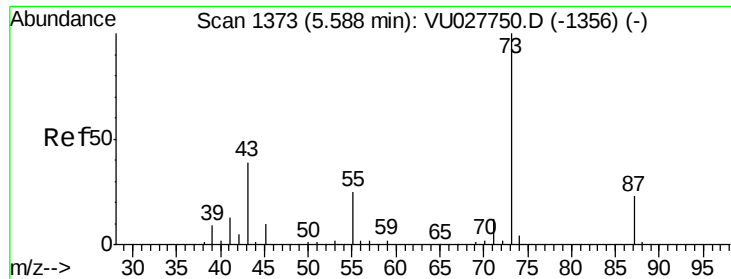
87 37.6 29.4 44.0



Abundance Ion 59.00 (58.70 to 59.70): VU027762.D (-749) (-)

Ion 87.00 (86.70 to 87.70): VU027762.D (-749) (-)





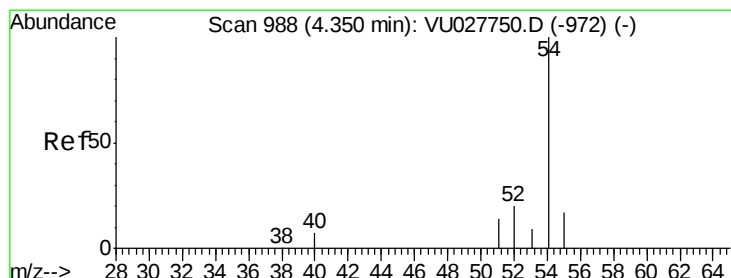
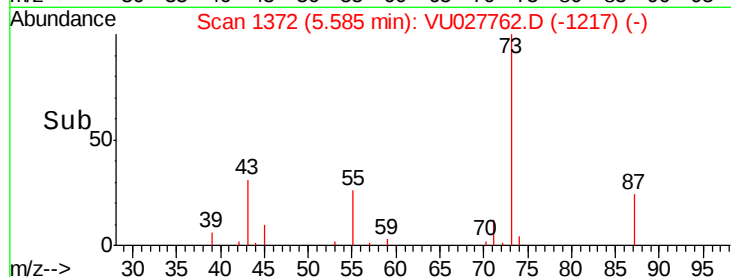
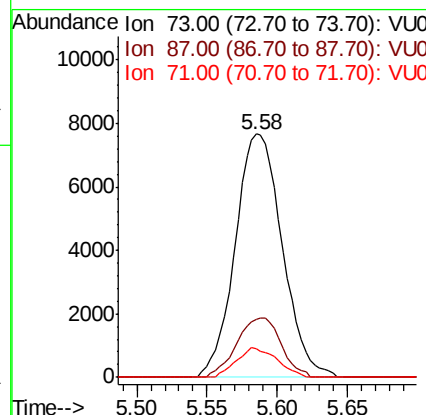
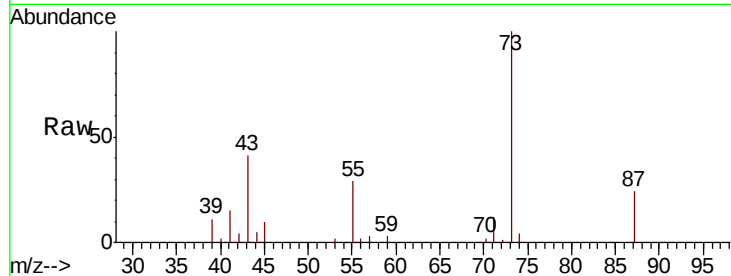
#33
Tert-Amvl methvl ether
Concen: 1.917 ug/l
RT: 5.58 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
87	22.9	18.5	27.7
71	10.5	9.1	13.7

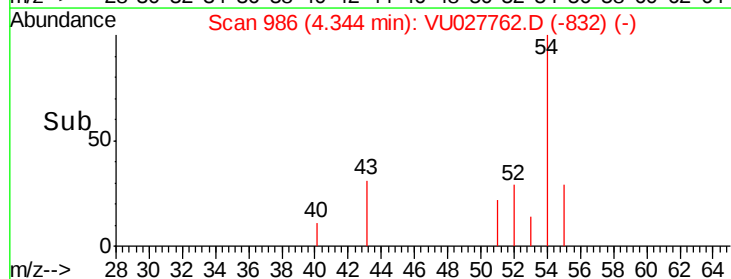
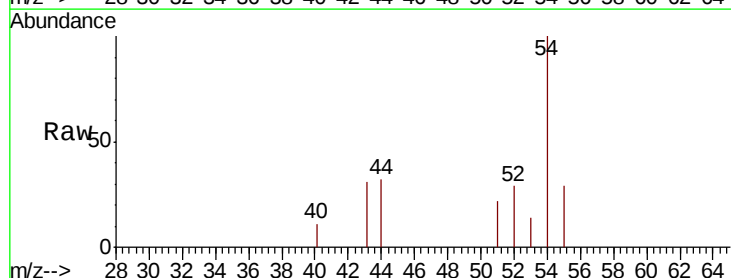
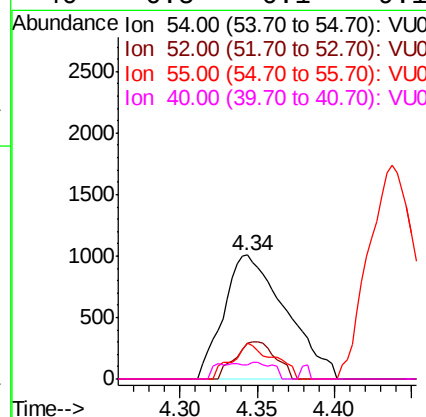
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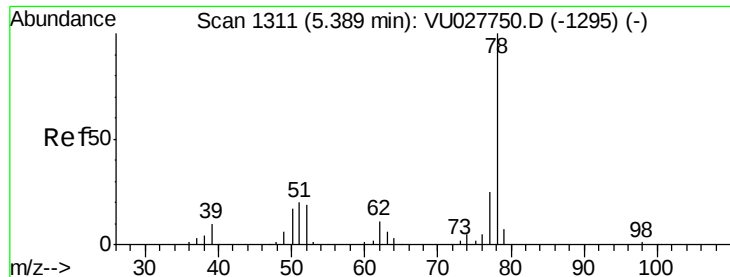
sam
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#34
Propionitrile
Concen: 9.098 ug/l
RT: 4.34 min Scan# 986
Delta R.T. -0.01 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.5	15.5	23.3
55	19.4	12.6	18.8
40	6.5	6.1	9.1





#35

Benzene

Concen: 2.021 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBS01

Tot Ion: 78 Resp: 29413

Ion Ratio Lower Upper

78 100

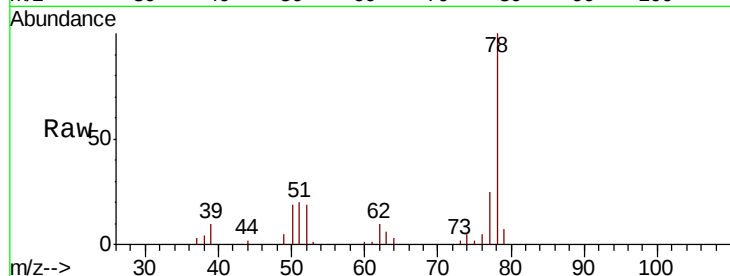
77 25.1 19.9 29.9

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

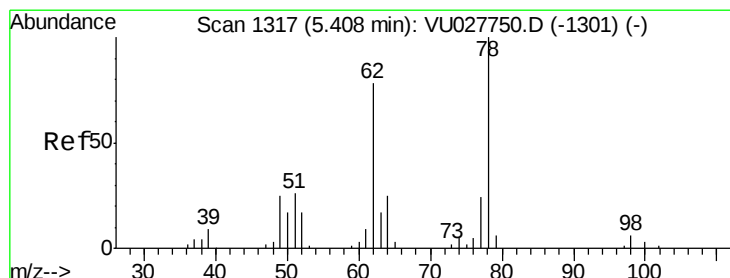
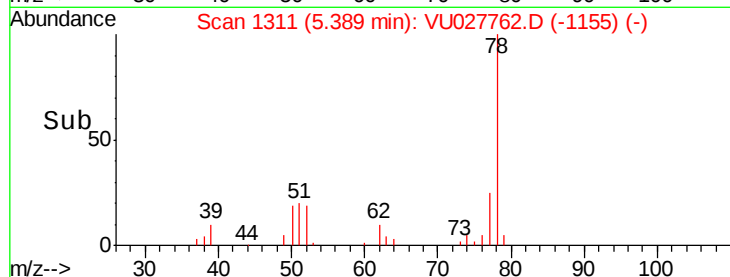
10000

5000

0

Time-->

5.30 5.35 5.40 5.45



#36

1,2-Dichloroethane

Concen: 1.990 ug/l

RT: 5.41 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VU027762.D

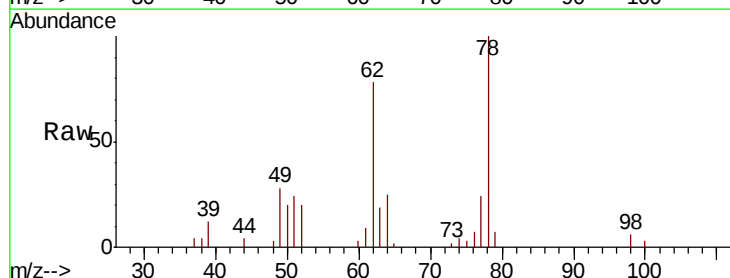
Acq: 23 Oct 2018 14:01

Tgt Ion: 62 Resp: 9634

Ion Ratio Lower Upper

62 100

98 6.9 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

5000

4000

3000

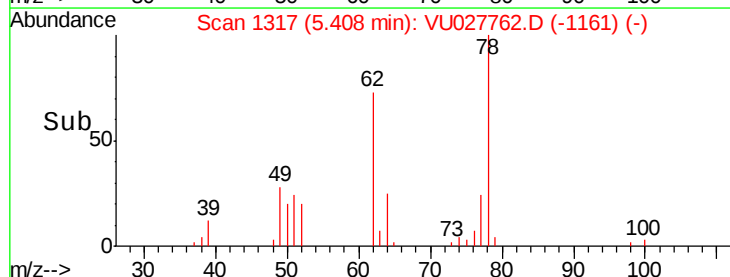
2000

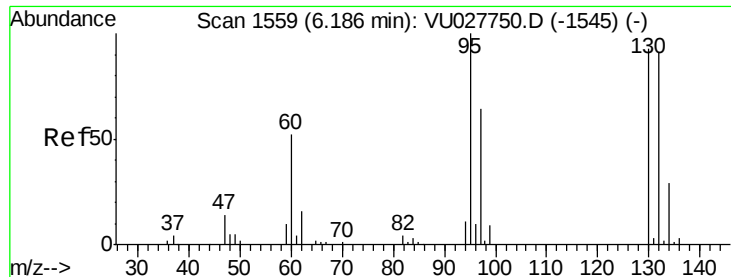
1000

0

Time-->

5.35 5.40 5.45





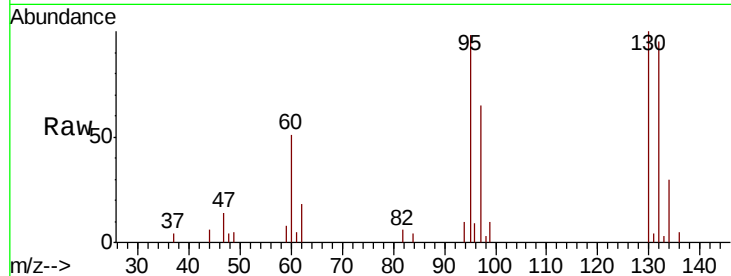
#37
 Trichloroethene
 Concen: 2.016 ug/l
 RT: 6.19 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1023WBS01

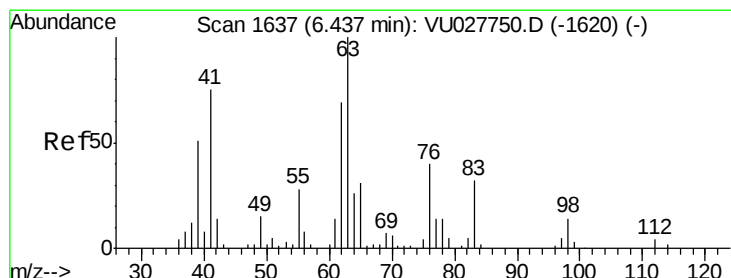
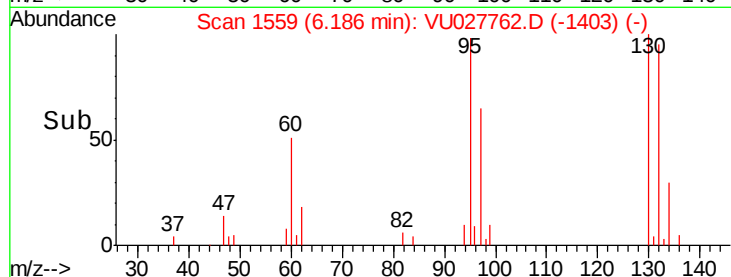
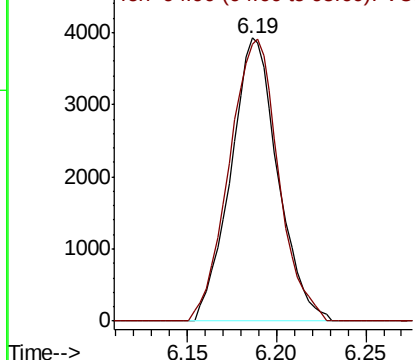
Tot Ion:130 Resp: 7237
 Ion Ratio Lower Upper
 130 100
 95 98.0 86.4 129.6

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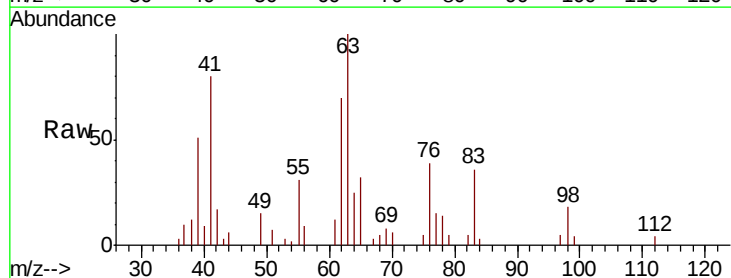


Abundance Ion 129.90 (129.60 to 130.60): VU027750.D (-1545) (-)
 Ion 94.90 (94.60 to 95.60): VU027750.D (-1545) (-)

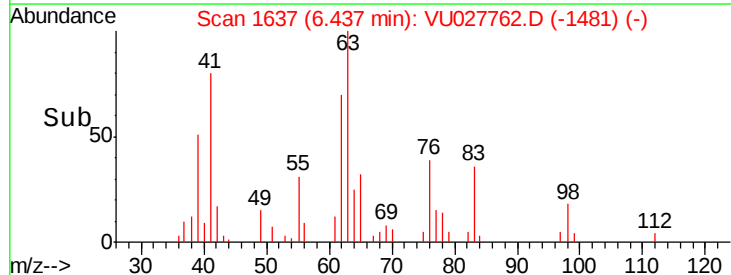
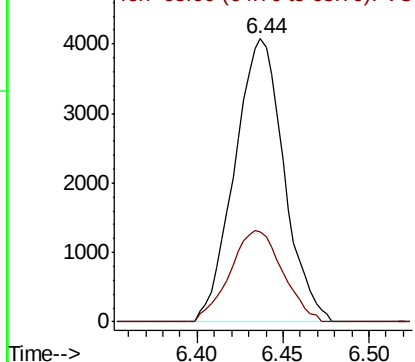


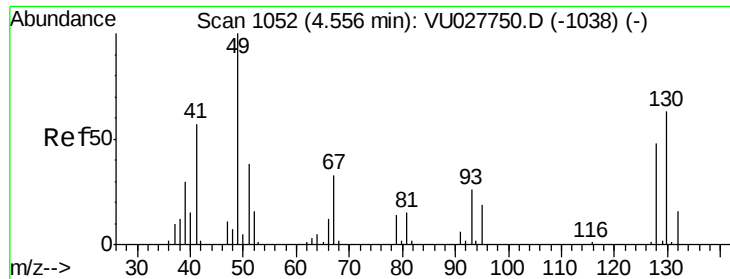
#38
 1,2-Dichloropropane
 Concen: 1.985 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Tgt Ion: 63 Resp: 8112
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VU027750.D (-1620) (-)
 Ion 65.00 (64.70 to 65.70): VU027750.D (-1620) (-)





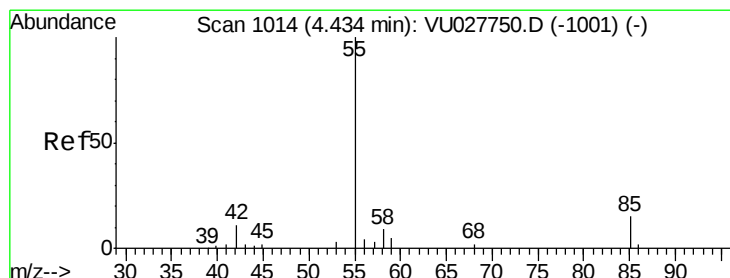
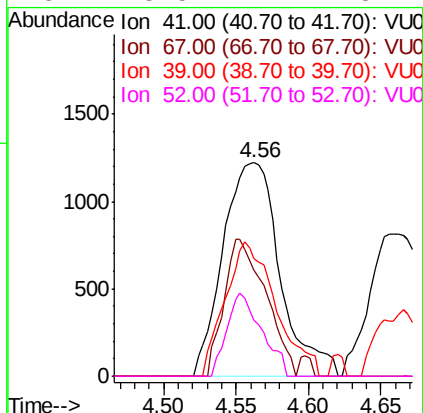
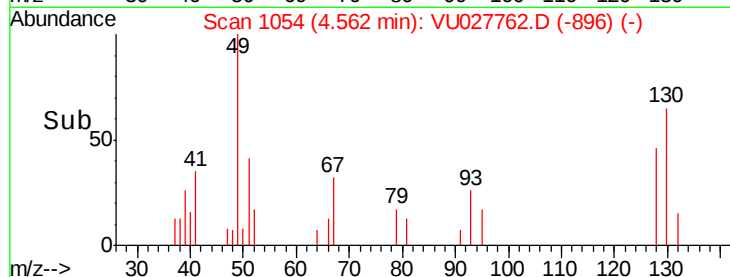
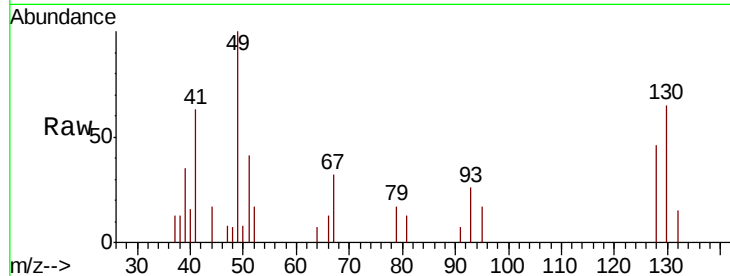
#39
Methacrylonitrile
Concen: 1.962 ug/l
RT: 4.56 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
67	46.9	46.1	69.1	
39	55.8	43.6	65.4	
52	23.5	21.4	32.2	

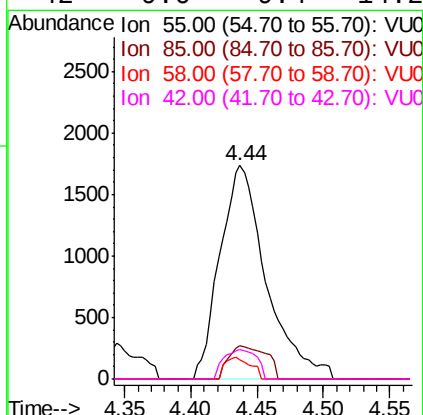
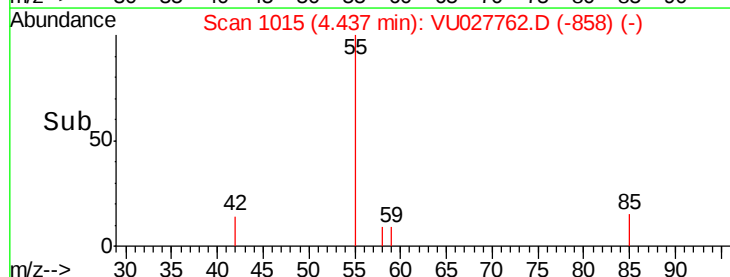
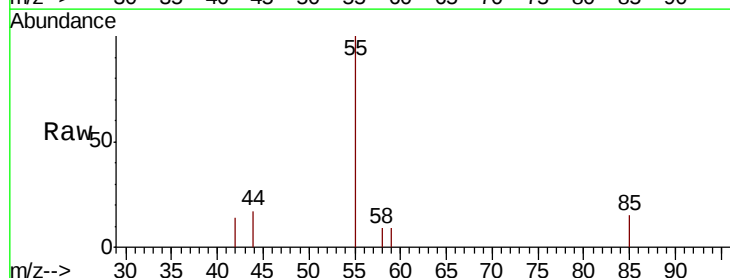
Manual Integrations
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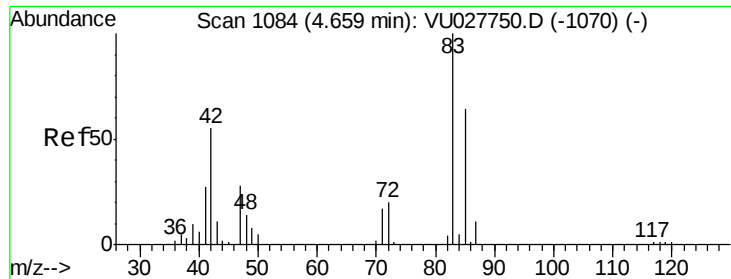
sam
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#40
Methyl acrylate
Concen: 1.904 ug/l
RT: 4.44 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion	Ion	Ratio	Lower	Upper
55	100			
85	12.6	11.8	17.6	
58	5.6	7.0	10.4	
42	9.6	9.4	14.2	





#41

Tetrahydrofuran

Concen: 3.512 ug/l

RT: 4.66 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

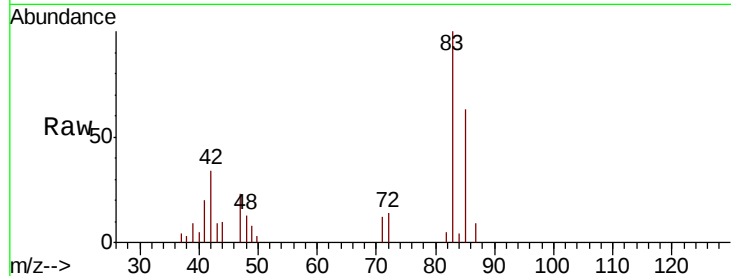
ClientSampleId :

VU1023WBS01

Tot Ion:	42	Resp:	3304
Ion	Ratio	Lower	Upper
42	100		
72	39.0	30.6	45.8
71	29.3	25.2	37.8

Manual Integrations
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sam
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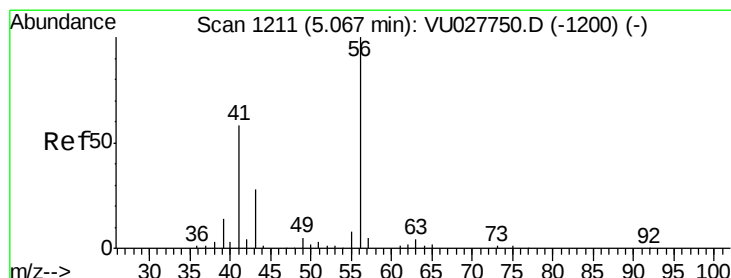
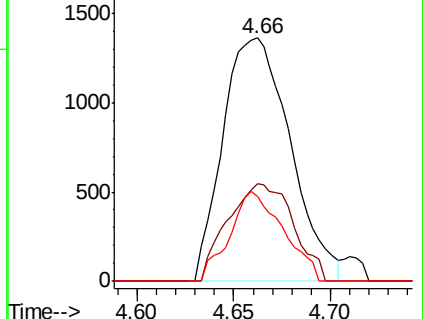
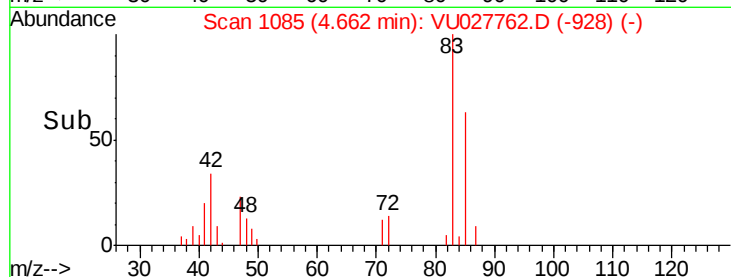


Abundance Ion 42.00 (41.70 to 42.70): VU027750.D (-1070) (-)

Ion 72.00 (71.70 to 72.70): VU027750.D (-1070) (-)

Ion 71.00 (70.70 to 71.70): VU027750.D (-1070) (-)

Time-->



#42

1-Chlorobutane

Concen: 1.987 ug/l

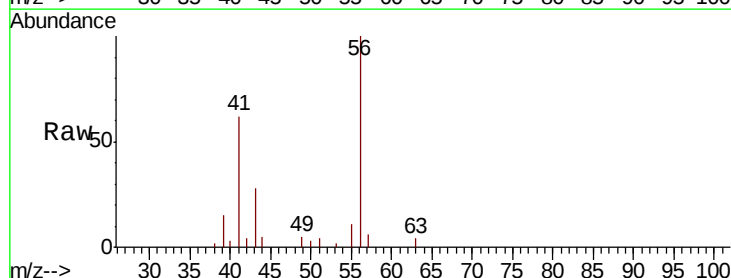
RT: 5.06 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

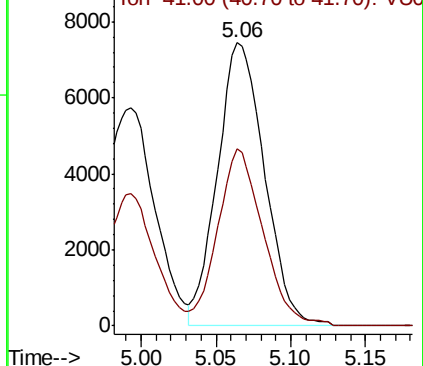
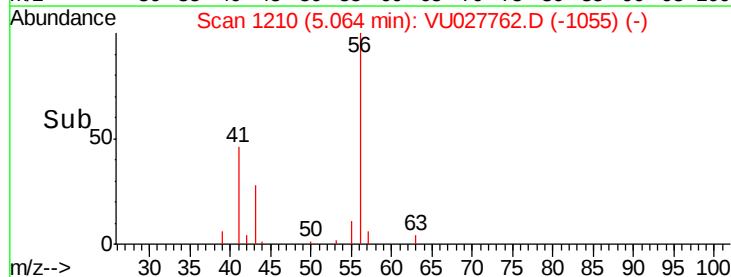
Tgt Ion:	56	Resp:	16319
Ion	Ratio	Lower	Upper
56	100		
41	60.3	29.4	88.2

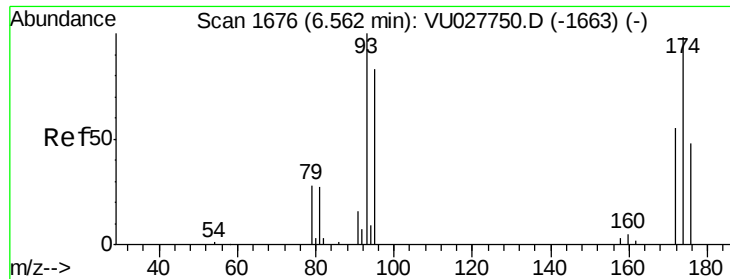


Abundance Ion 56.00 (55.70 to 56.70): VU027750.D (-1200) (-)

Ion 41.00 (40.70 to 41.70): VU027750.D (-1200) (-)

Time-->





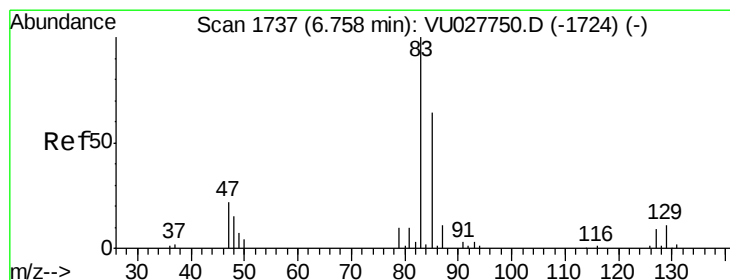
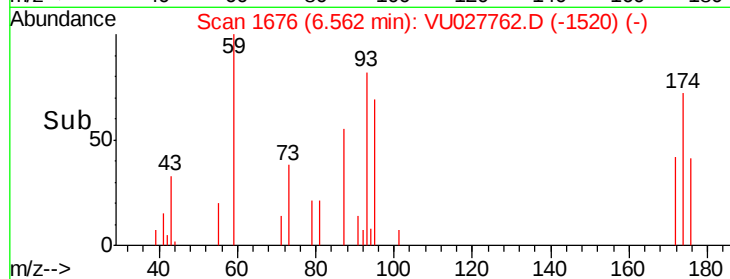
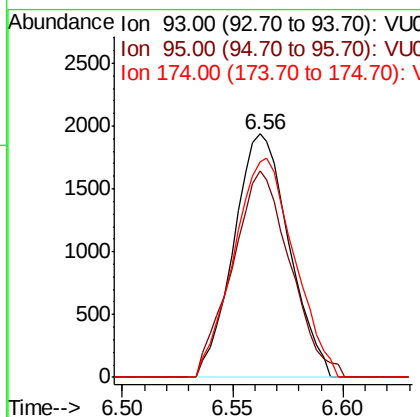
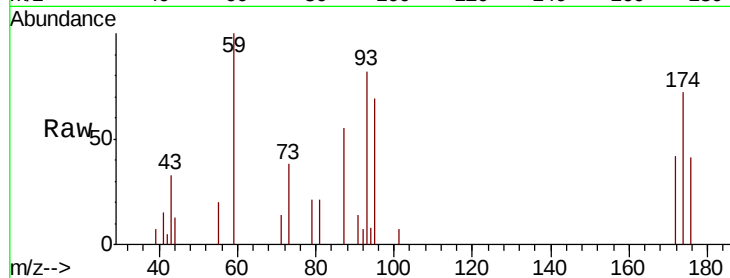
#43
Dibromomethane
Concen: 1.815 ug/l
RT: 6.56 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBS01

Tot Ion: 93 Resp: 3372
Ion Ratio Lower Upper
93 100
95 88.6 64.2 96.2
174 97.8 76.7 115.1

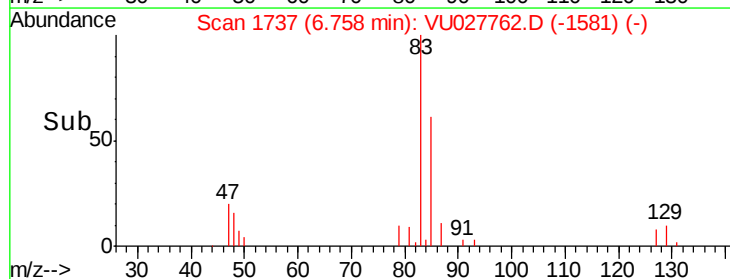
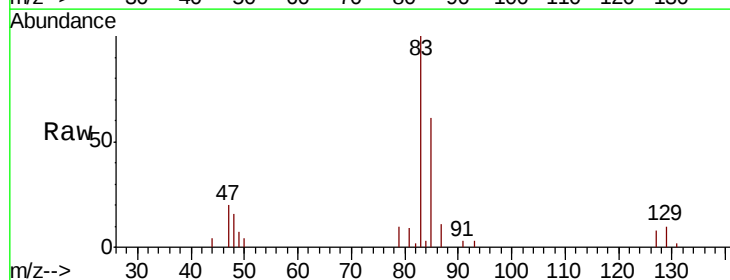
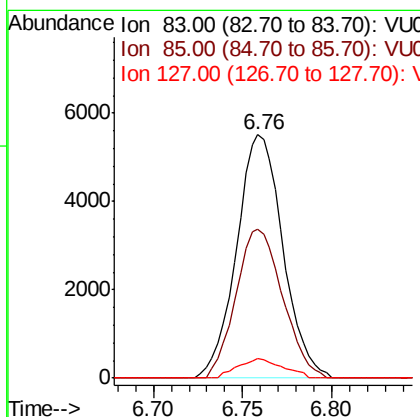
Manual Integrations
APPROVED

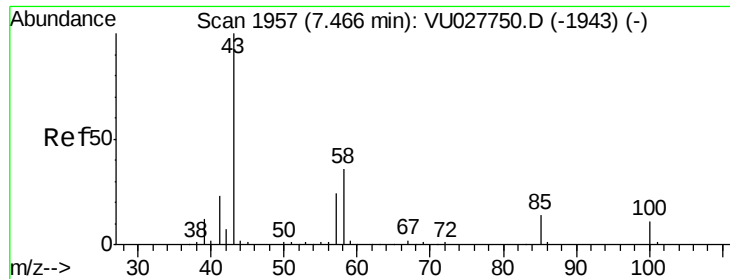
sam
10/24/2018 2:19:32 PM



#44
Bromodichloromethane
Concen: 1.976 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion: 83 Resp: 9965
Ion Ratio Lower Upper
83 100
85 61.0 51.5 77.3
127 7.9 7.0 10.4





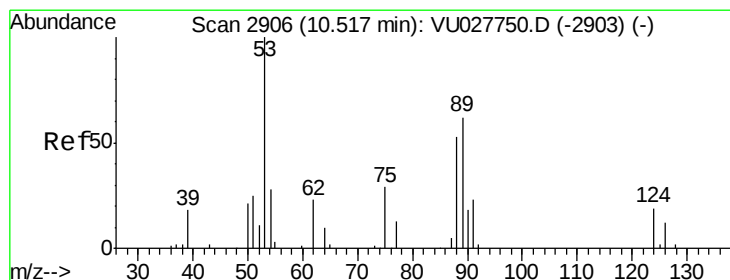
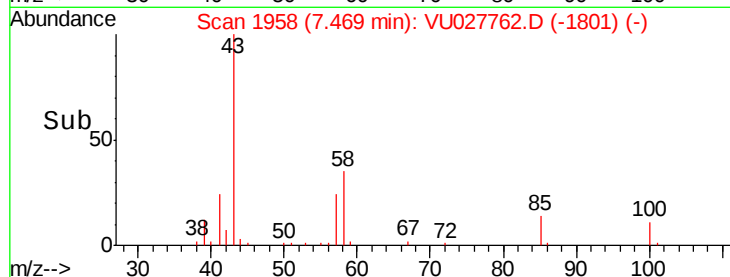
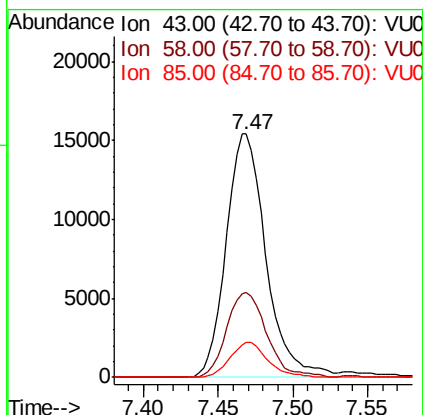
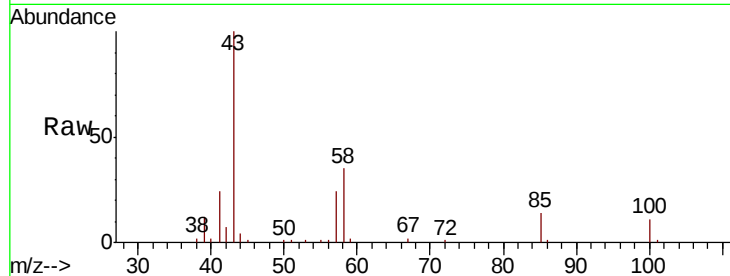
#45
4-Methyl-2-Pentanone
Concen: 9.500 ug/l
RT: 7.47 min Scan# 1958
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.0	17.9	53.8
85	13.7	11.4	17.0

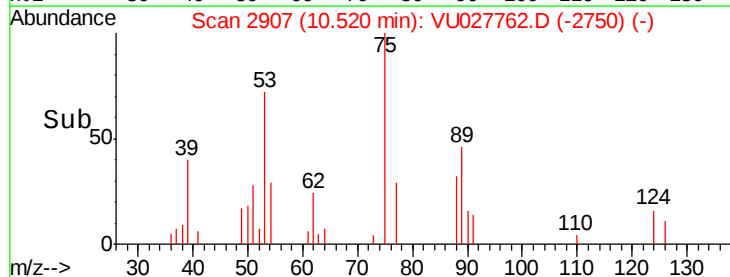
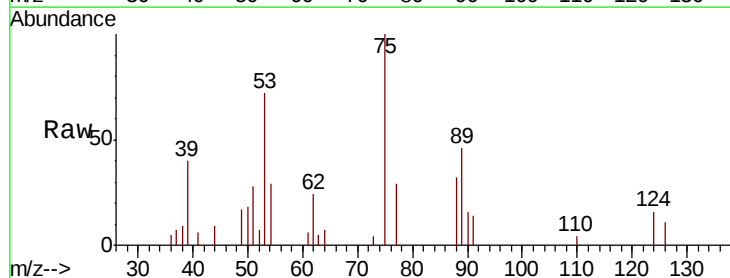
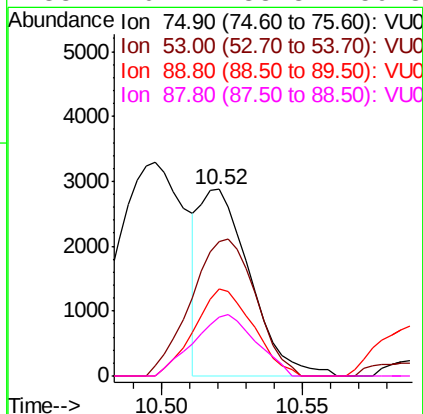
Manual Integrations
APPROVED

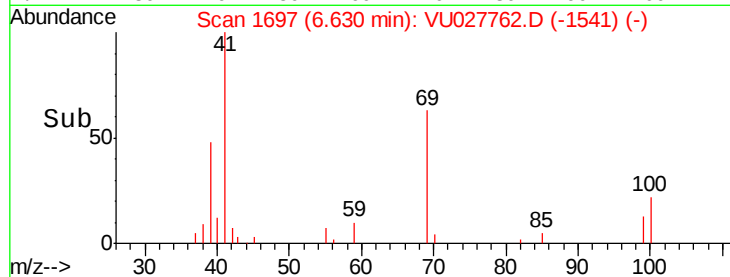
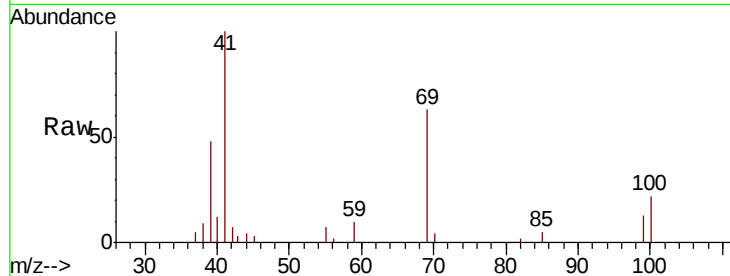
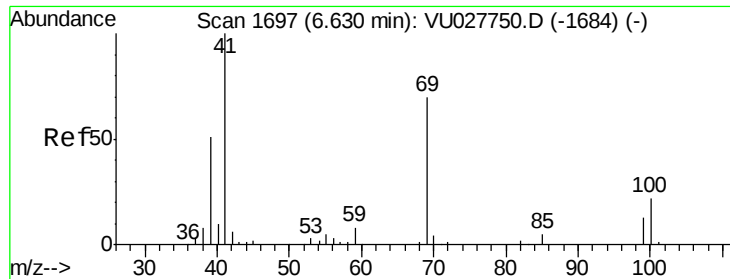
sam
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#46
t-1,4-Dichloro-2-butene
Concen: 3.305 ug/l m
RT: 10.52 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	94.0	68.2	102.4
89	54.1	41.8	62.6
88	40.4	33.8	50.8





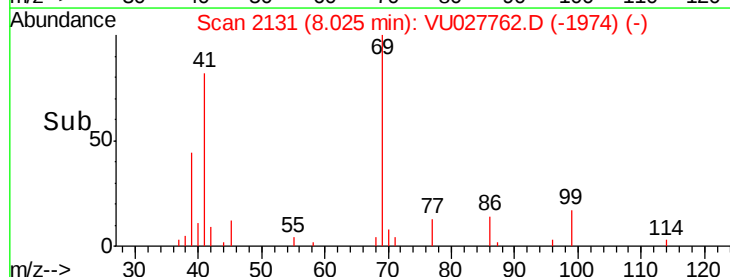
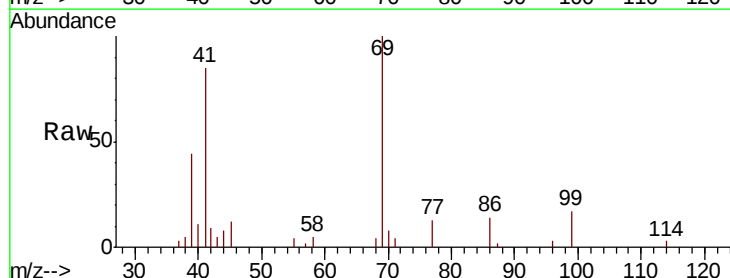
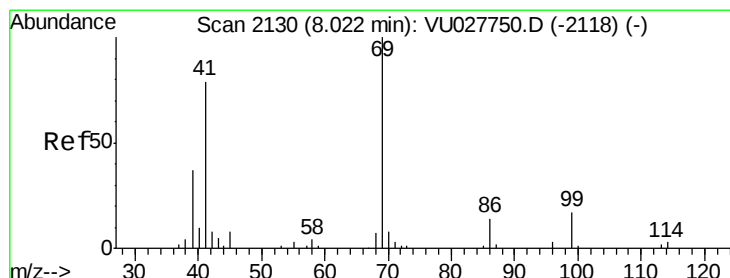
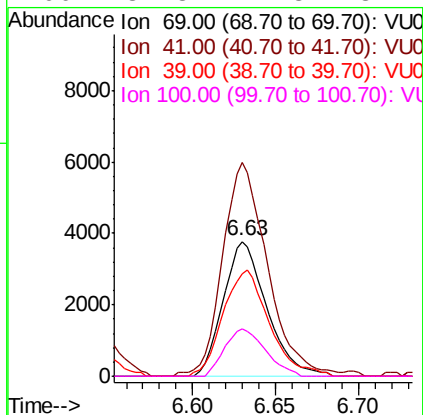
#47
Methyl methacrylate
Concen: 3.523 ug/l
RT: 6.63 min Scan# 1697
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tot Ion	Ion	Ratio	Lower	Upper
6901	69	100		
	41	163.0	0.0	281.2
	39	83.6	58.6	88.0
	100	32.8	24.8	37.2

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBS01

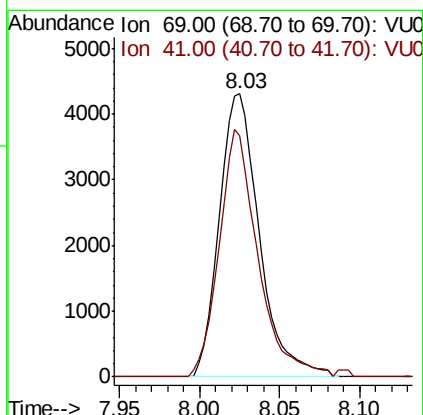
Manual Integrations
APPROVED

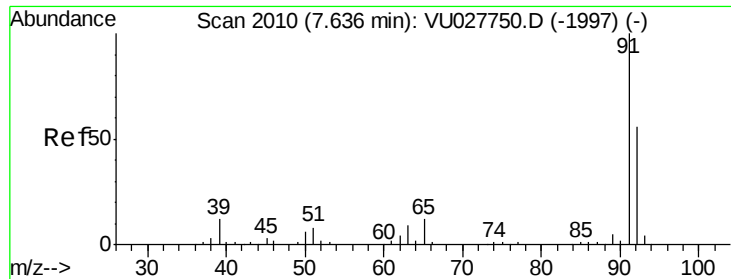
sam
10/24/2018 2:19:32 PM



#48
Ethyl methacrylate
Concen: 1.819 ug/l
RT: 8.03 min Scan# 2131
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion	Ion	Ratio	Lower	Upper
7405	69	100		
	41	84.5	39.1	117.2





#49

Toluene

Concen: 1.990 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBS01

Tot Ion: 92 Resp: 17176

Ion Ratio Lower Upper

92 100

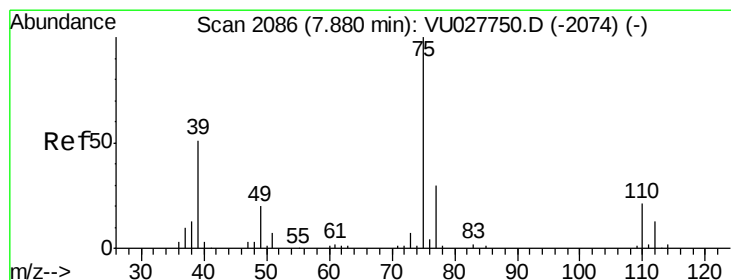
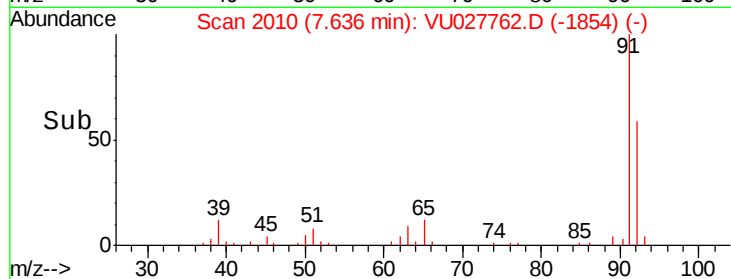
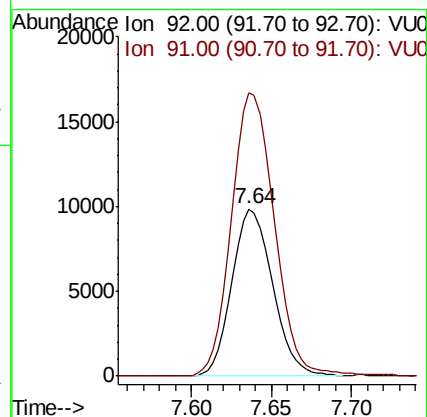
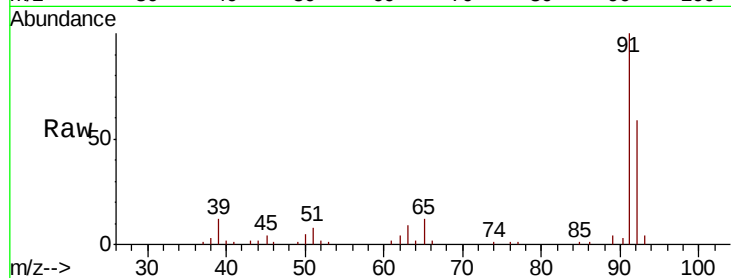
91 178.0 141.8 212.8

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 1.920 ug/l

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027762.D

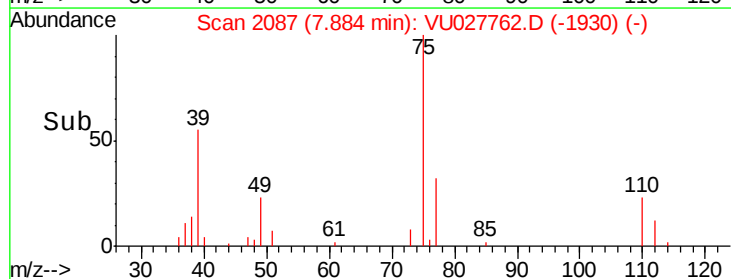
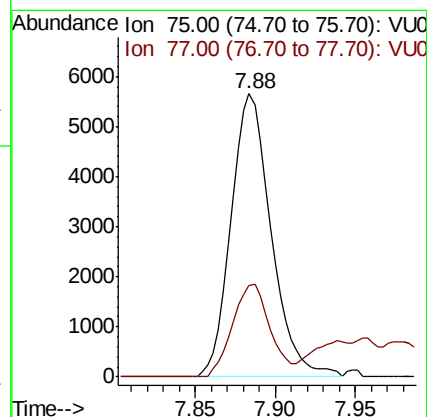
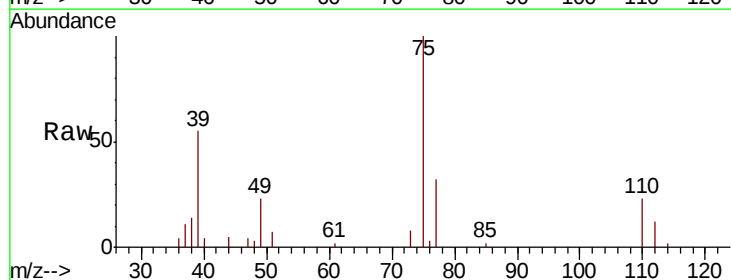
Acq: 23 Oct 2018 14:01

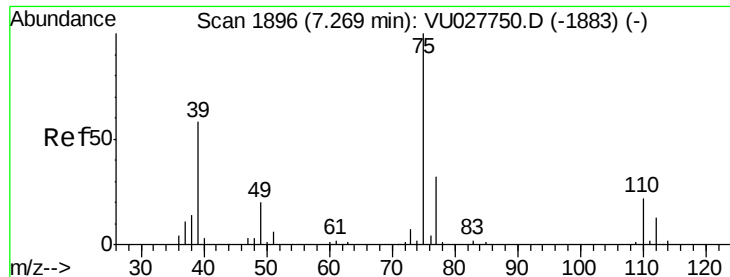
Tgt Ion: 75 Resp: 9648

Ion Ratio Lower Upper

75 100

77 32.4 24.1 36.1





#51

cis-1,3-Dichloropropene

Concen: 2.041 ug/l

RT: 7.27 min Scan# 1897

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

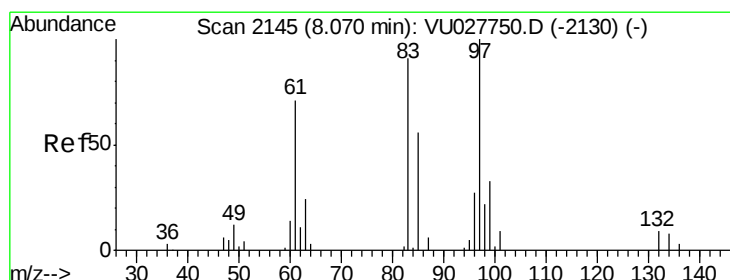
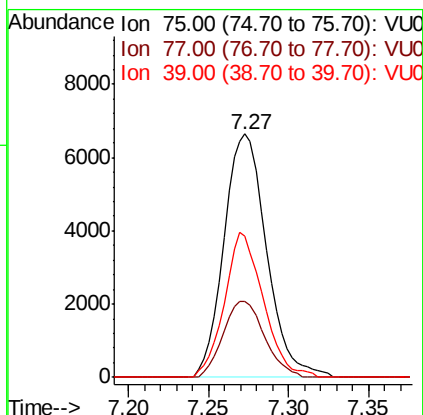
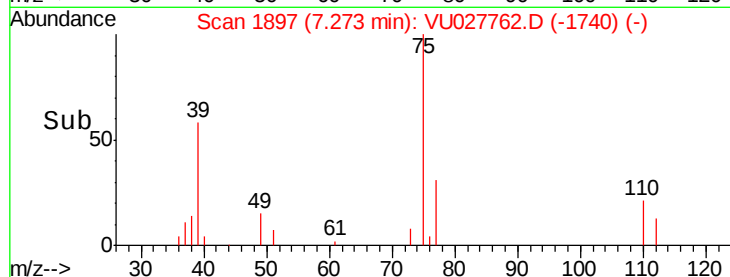
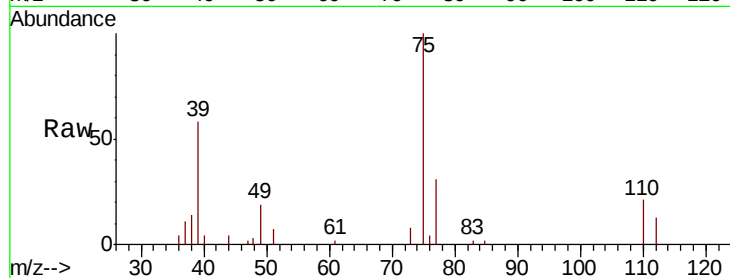
ClientSampleId :

VU1023WBS01

Tot Ion:	75	Resp:	12084
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9
39	58.2	46.4	69.6

Manual Integrations
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#52

1,1,2-Trichloroethane

Concen: 1.872 ug/l

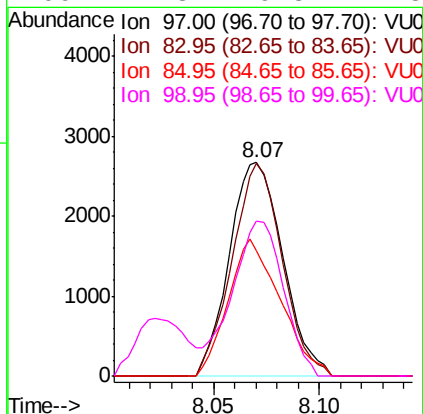
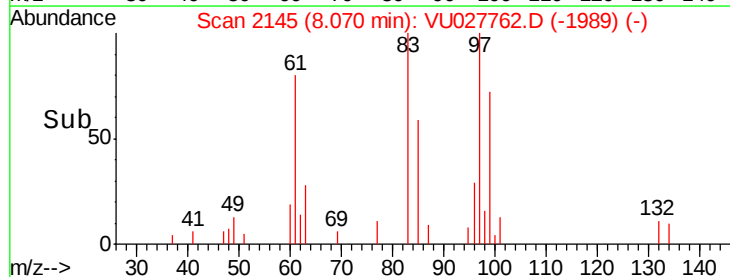
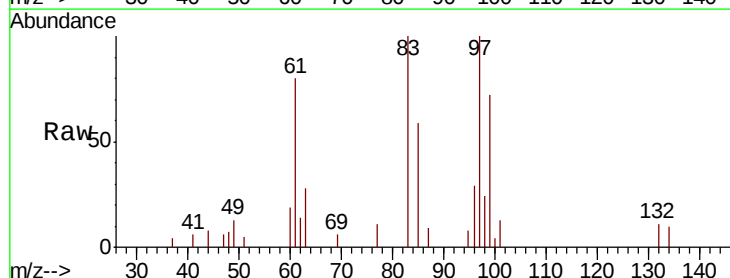
RT: 8.07 min Scan# 2145

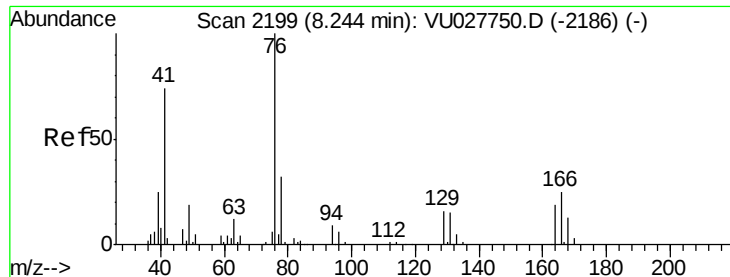
Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Tgt Ion:	97	Resp:	4698
Ion	Ratio	Lower	Upper
97	100		
83	99.8	73.0	109.6
85	59.0	46.5	69.7
99	72.3	49.8	74.8





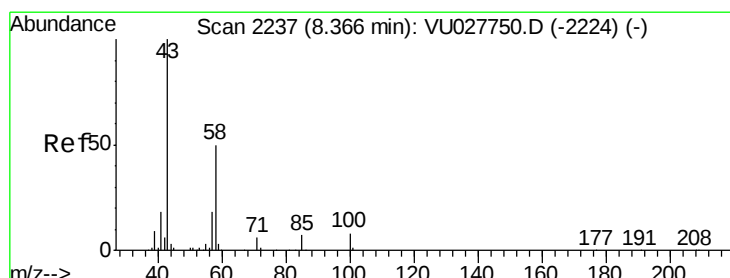
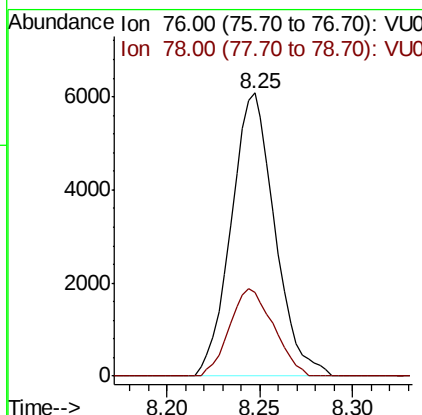
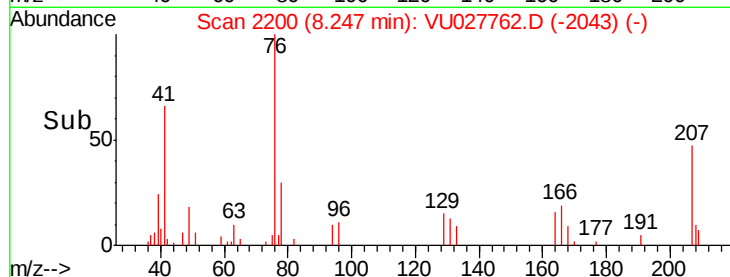
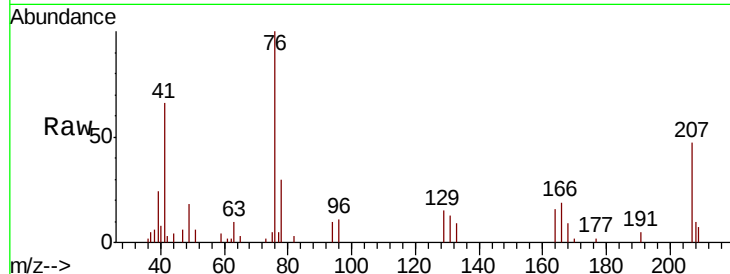
#53
 1,3-Dichloropropane
 Concen: 2.058 ug/l
 RT: 8.25 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1023WBS01

Tot Ion: 76 Resp: 9919
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.4 38.0

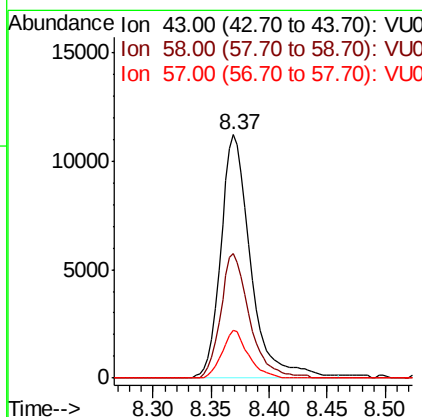
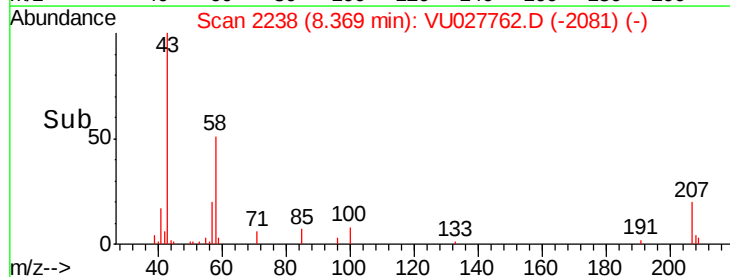
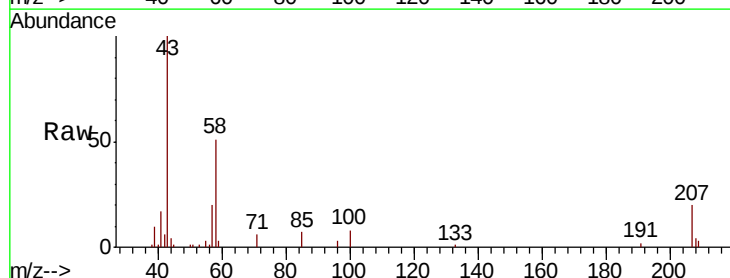
Manual Integrations
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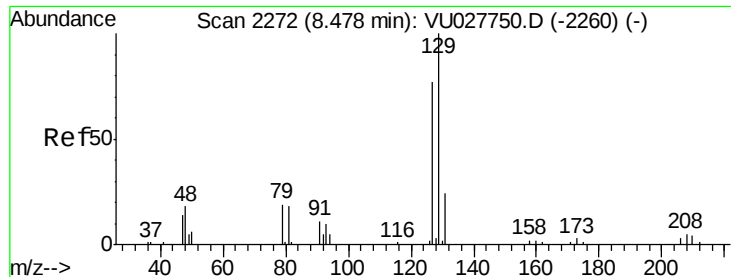
sam
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#54
 2-Hexanone
 Concen: 9.381 ug/l
 RT: 8.37 min Scan# 2238
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Tgt Ion: 43 Resp: 20158
 Ion Ratio Lower Upper
 43 100
 58 49.5 30.0 70.0
 57 17.1 0.0 37.7





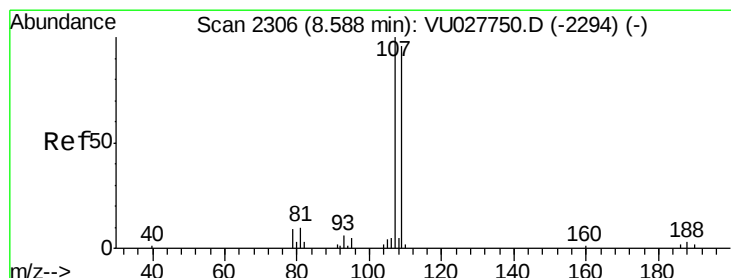
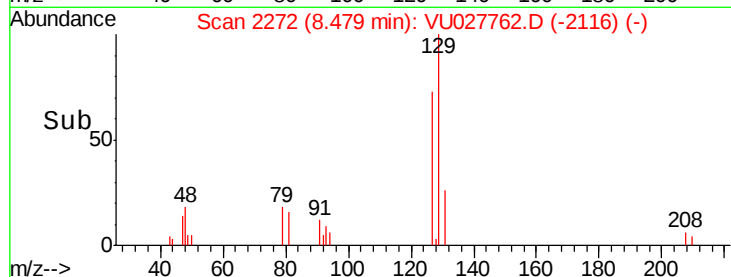
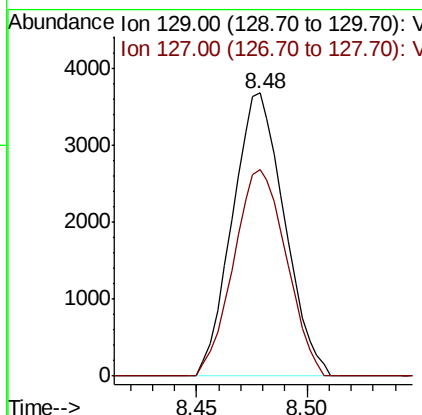
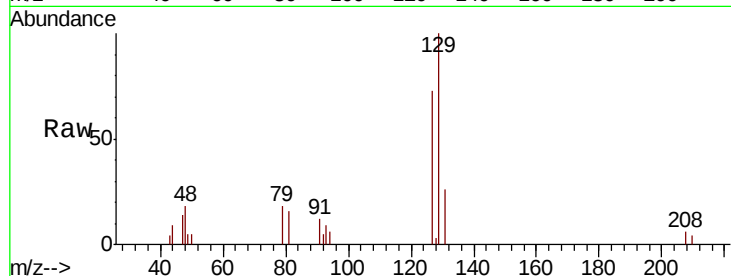
#55
Dibromochloromethane
Concen: 1.911 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBS01

Tot Ion:129 Resp: 6027
Ion Ratio Lower Upper
129 100
127 73.9 61.9 92.9

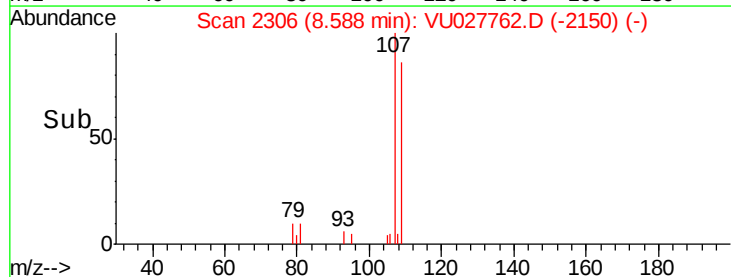
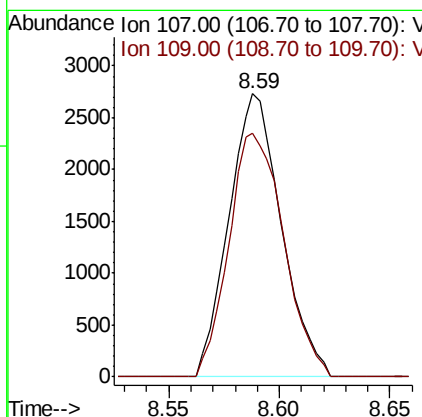
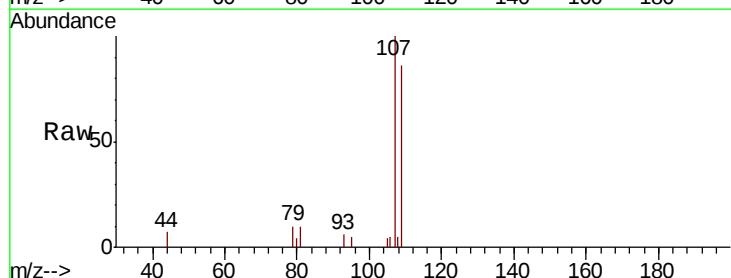
Manual Integrations
APPROVED

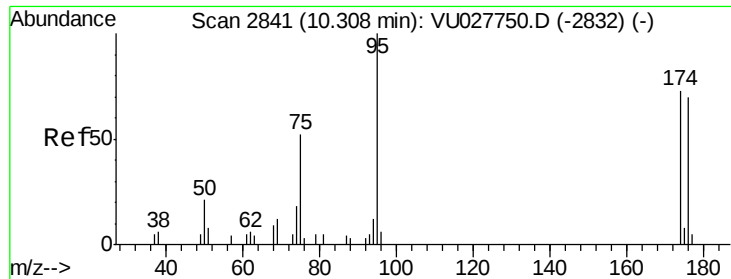
sam
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#56
1,2-Dibromoethane
Concen: 1.833 ug/l
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion:107 Resp: 4514
Ion Ratio Lower Upper
107 100
109 89.9 0.0 188.4





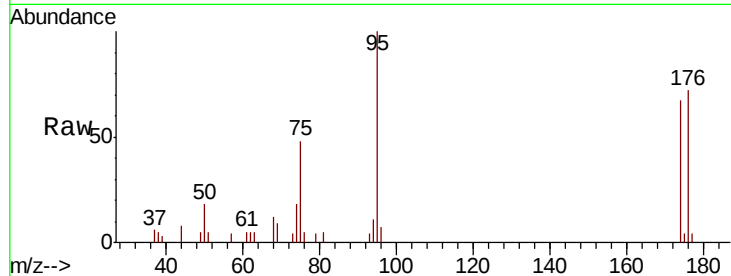
#57
4-Bromofluorobenzene
Concen: 1.833 ug/l
RT: 10.31 min Scan# 2842
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBS01

Tot Ion	Ratio	Lower	Upper
95	100		
174	70.6	64.5	96.7
176	73.5	58.3	87.5

Manual Integrations
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sam
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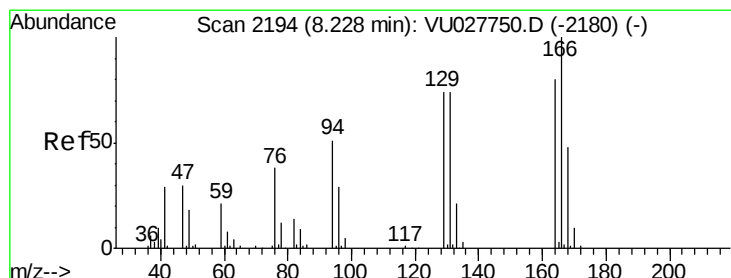
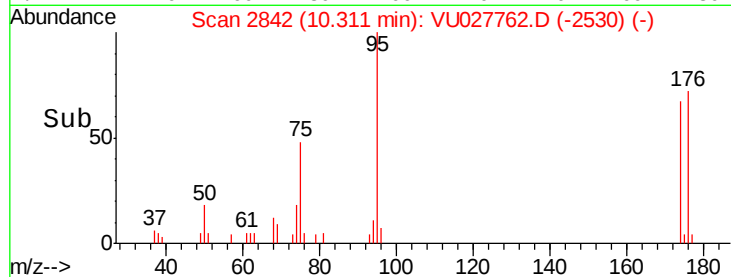
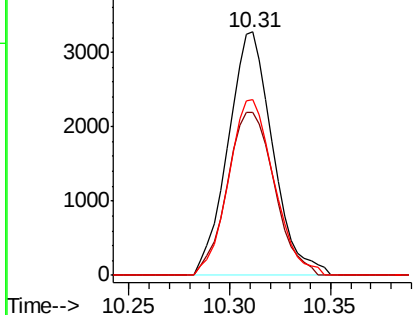


Abundance

Ion 95.00 (94.70 to 95.70): VU027750.D (-2832) (-)

Ion 174.00 (173.70 to 174.70): VU027750.D (-2832) (-)

Ion 176.00 (175.70 to 176.70): VU027750.D (-2832) (-)



#58
Tetrachloroethene
Concen: 1.910 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	100.2	150.4
129	100.9	73.7	110.5
131	91.4	73.8	110.6

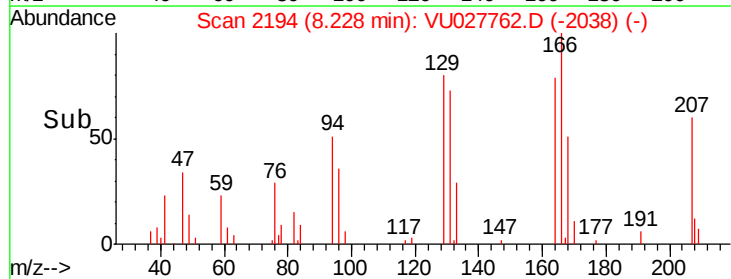
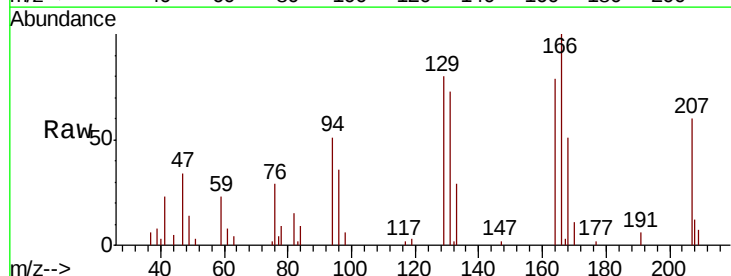
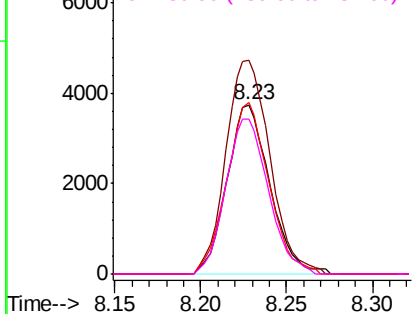
Abundance

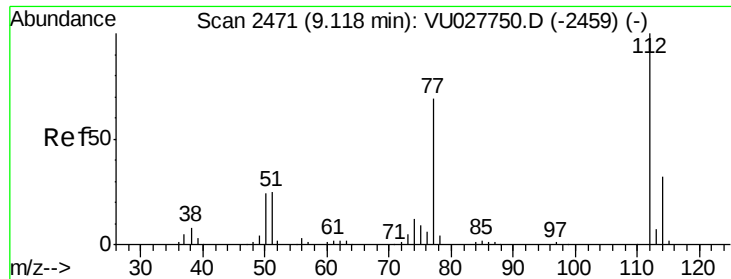
Ion 163.85 (163.55 to 164.55): VU027750.D (-2180) (-)

Ion 165.80 (165.50 to 166.50): VU027750.D (-2180) (-)

Ion 128.90 (128.60 to 129.60): VU027750.D (-2180) (-)

Ion 130.90 (130.60 to 131.60): VU027750.D (-2180) (-)





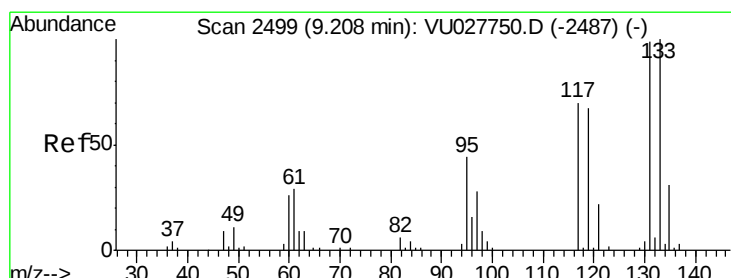
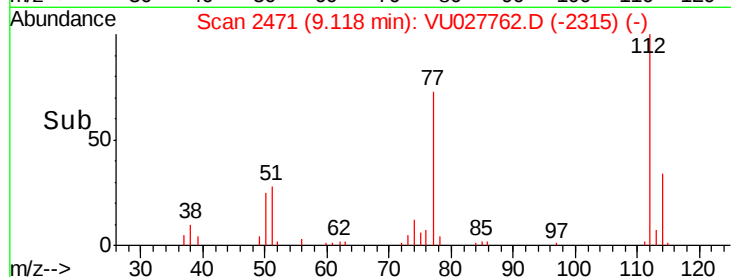
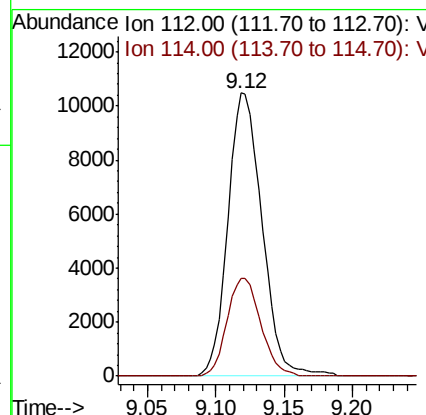
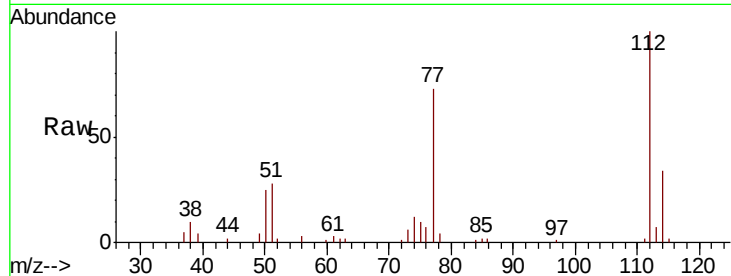
#59
Chlorobenzene
Concen: 1.973 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBS01

Tot Ion:112 Resp: 18257
Ion Ratio Lower Upper
112 100
114 34.3 25.4 38.0

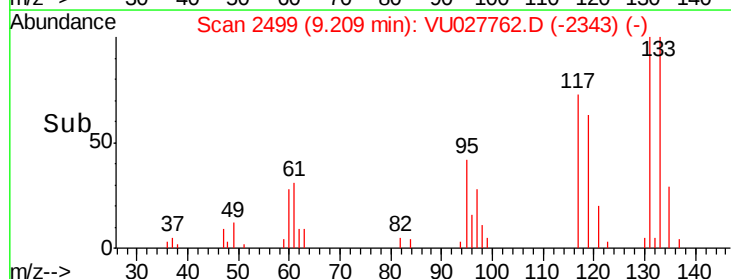
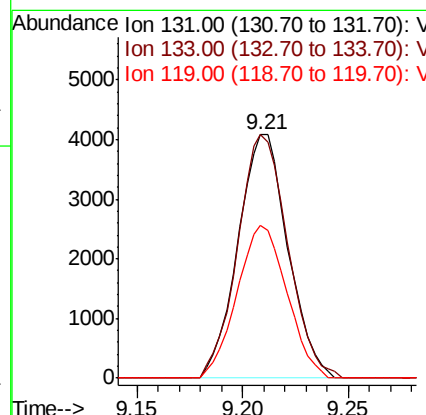
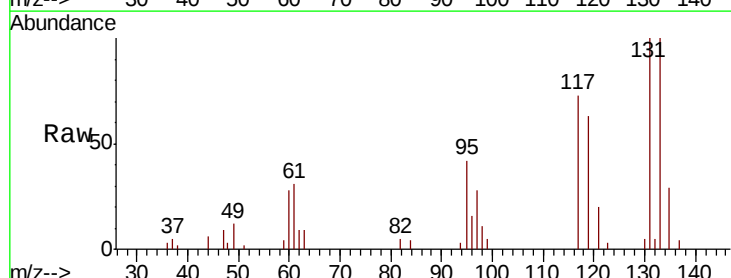
Manual Integrations
APPROVED

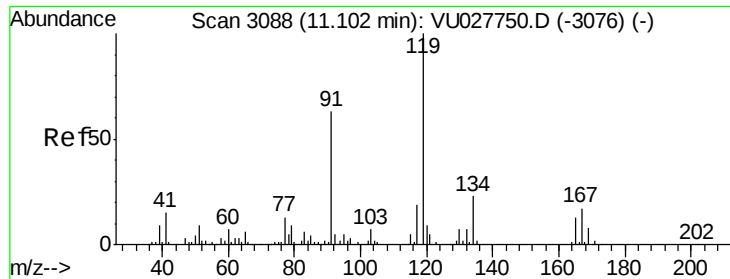
sam
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#60
1,1,1,2-Tetrachloroethane
Concen: 1.998 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion:131 Resp: 6719
Ion Ratio Lower Upper
131 100
133 100.1 77.5 116.3
119 62.5 52.0 78.0





#61

Pentachloroethane

Concen: 1.963 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBS01

Tot Ion:117 Resp: 4926

Ion Ratio Lower Upper

117 100

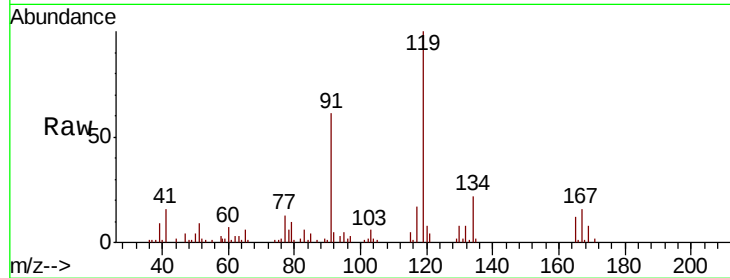
167 87.8 70.1 105.1

Manual Integrations

APPROVED

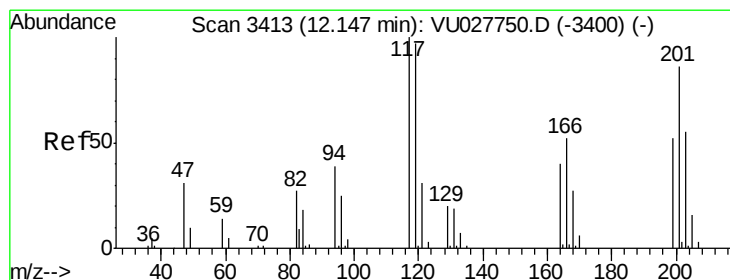
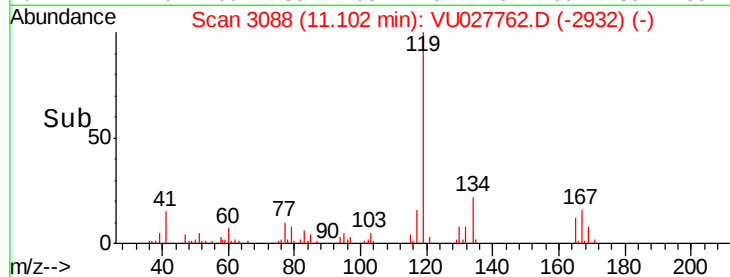
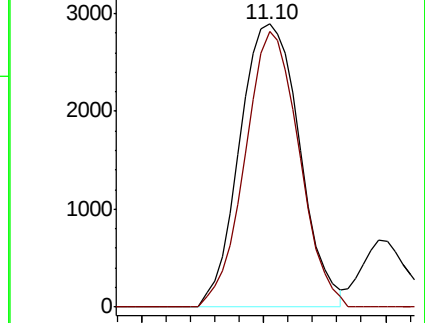
sam

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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: 2.018 ug/l

RT: 12.15 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VU027762.D

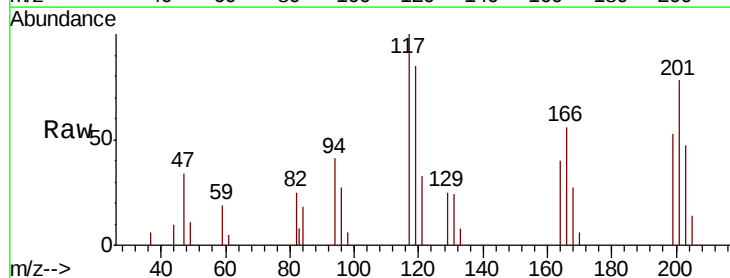
Acq: 23 Oct 2018 14:01

Tgt Ion:117 Resp: 5561

Ion Ratio Lower Upper

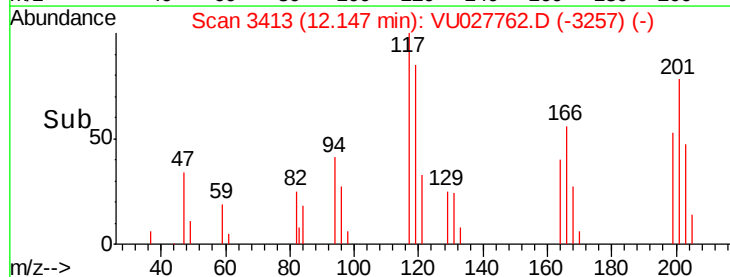
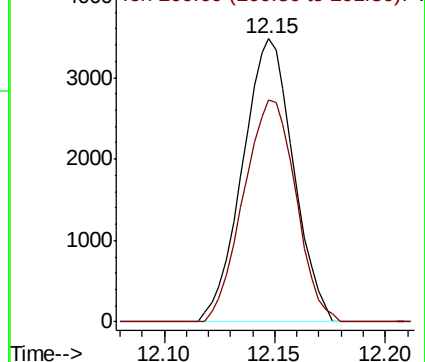
117 100

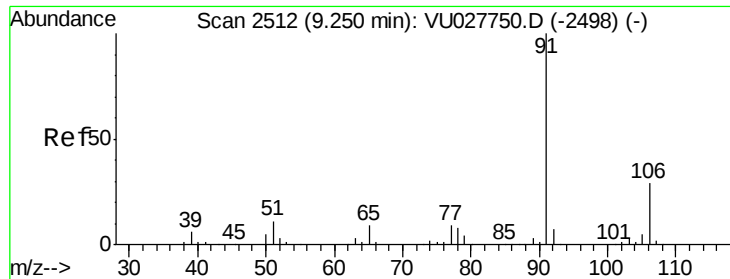
201 80.3 66.0 99.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





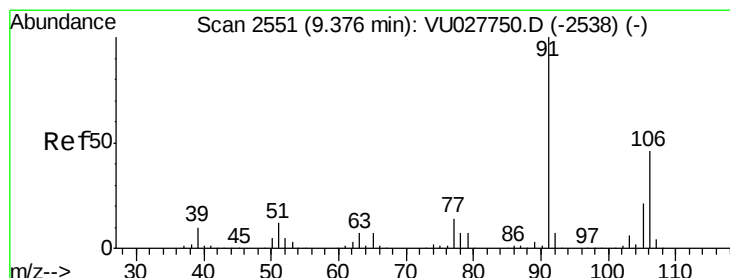
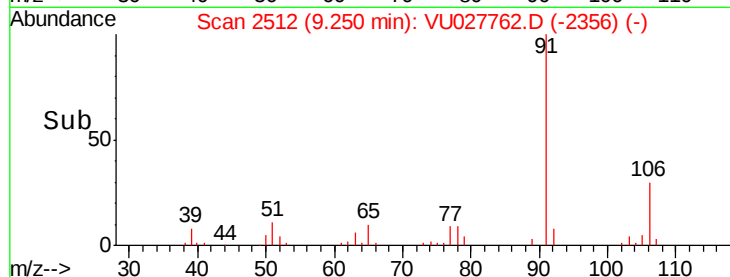
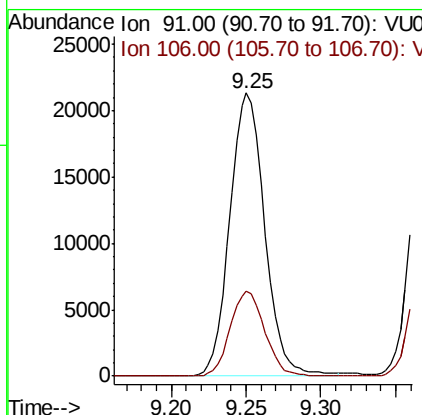
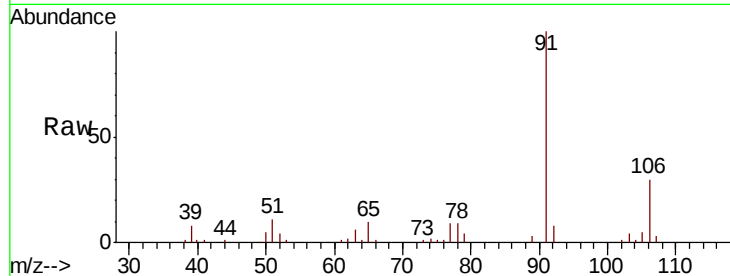
#63
Ethyl Benzene
Concen: 1.980 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBS01

Tot Ion: 91 Resp: 34694
Ion Ratio Lower Upper
91 100
106 30.1 23.5 35.3

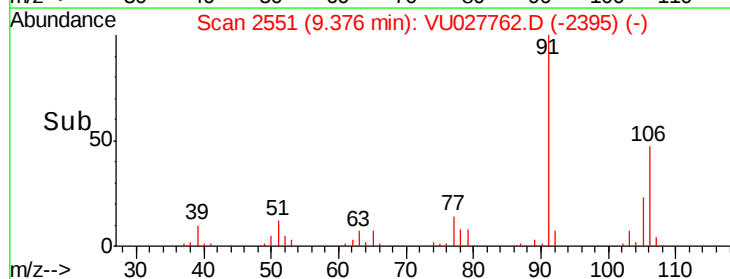
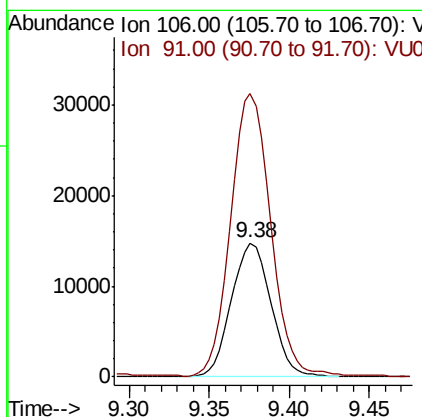
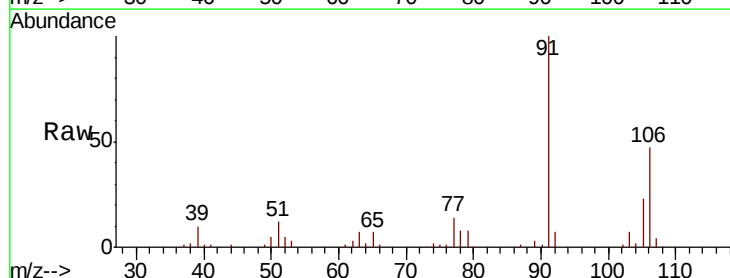
Manual Integrations
APPROVED

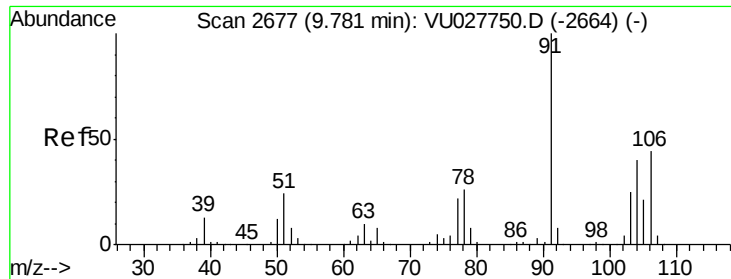
sam
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#64
m/p-Xylenes
Concen: 3.981 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion: 106 Resp: 24893
Ion Ratio Lower Upper
106 100
91 216.0 173.3 259.9





#65

o-Xylene

Concen: 1.924 ug/l

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBS01

Tot Ion:106 Resp: 11932

Ion Ratio Lower Upper

106 100

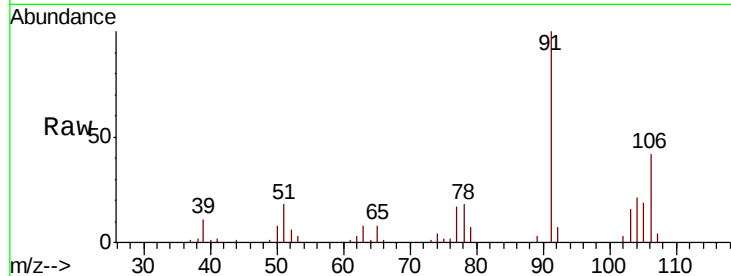
91 235.7 113.4 340.2

Manual Integrations

APPROVED

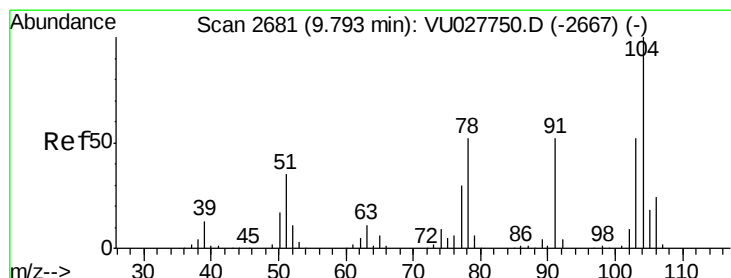
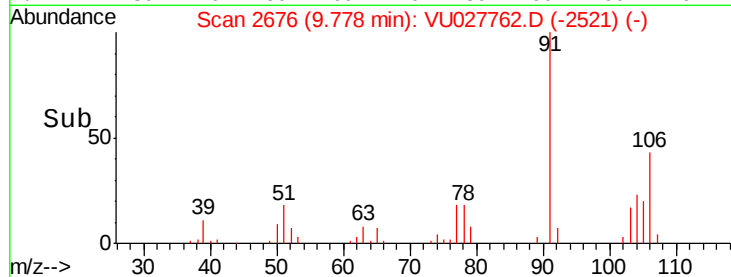
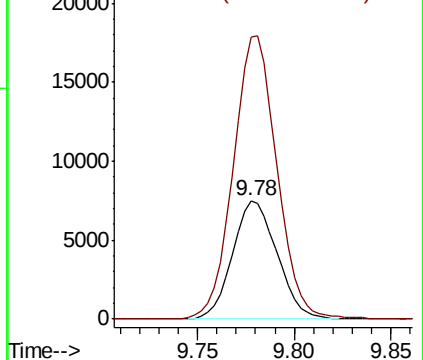
sam

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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: 2.002 ug/l

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

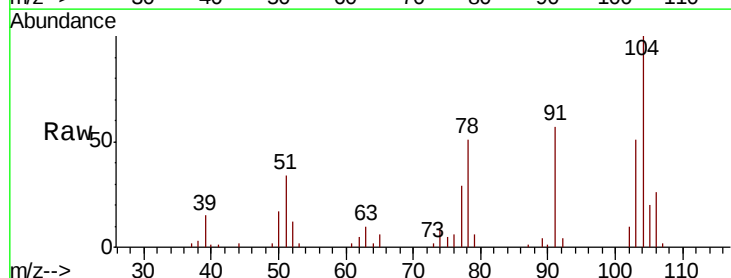
Tgt Ion:104 Resp: 20486

Ion Ratio Lower Upper

104 100

78 56.7 45.2 67.8

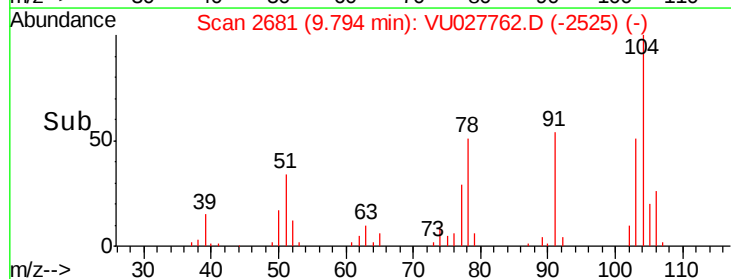
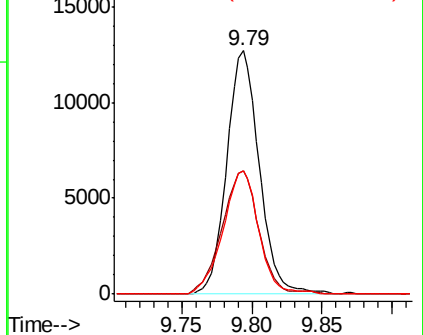
103 55.2 44.8 67.2

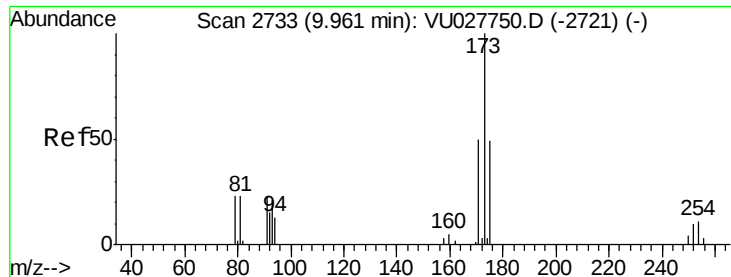


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 1.922 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

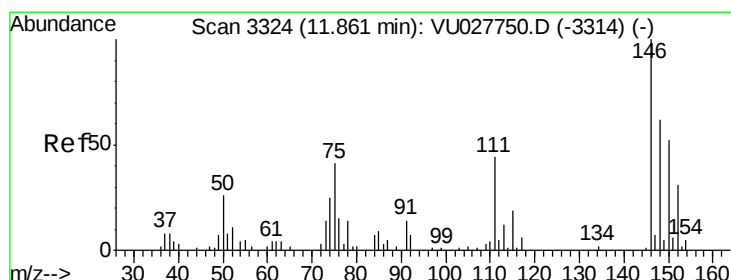
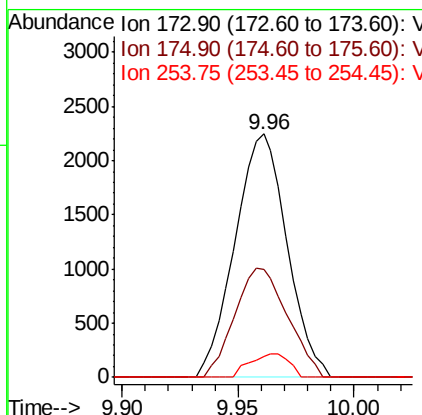
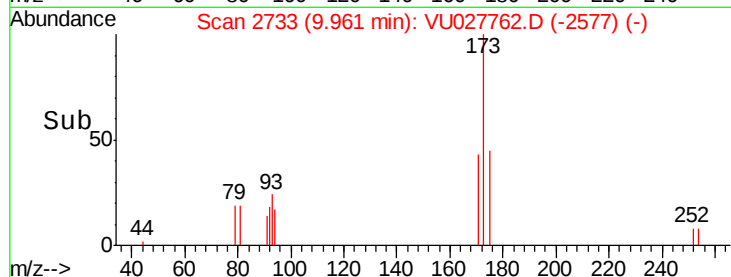
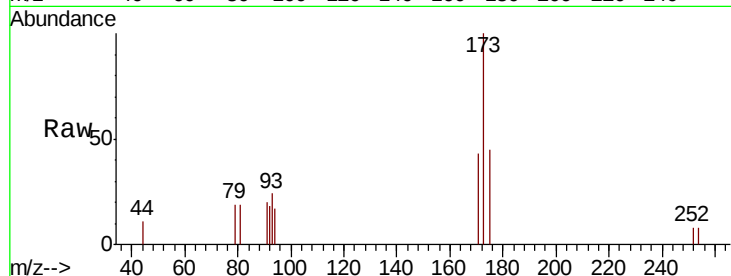
ClientSampleId :

VU1023WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	45.3	39.6	59.4		
254	7.1	7.8	11.6		

Manual Integrations
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#68

1,2-Dichlorobenzene-d4

Concen: 1.922 ug/l

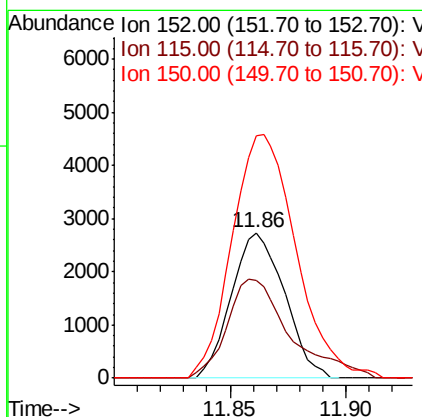
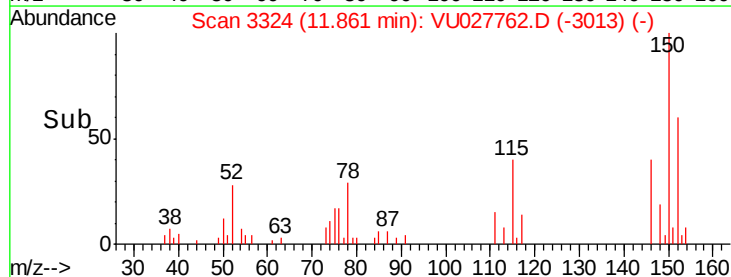
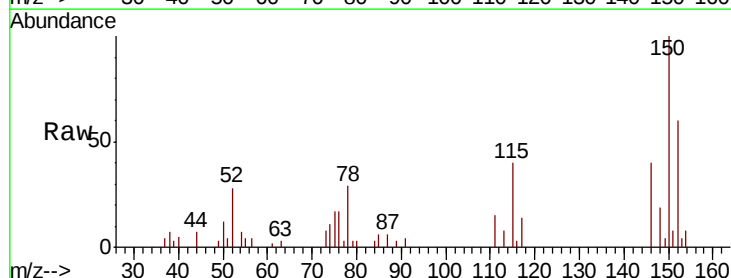
RT: 11.86 min Scan# 3324

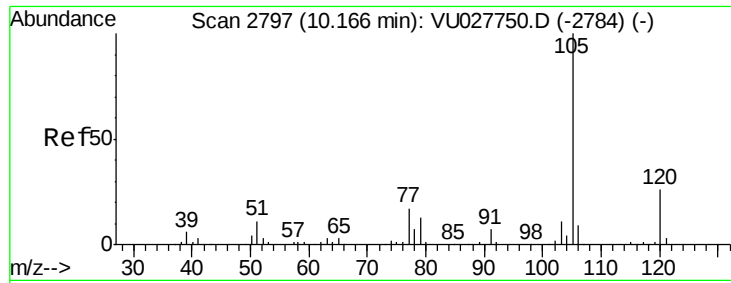
Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	81.0	0.0	130.2		
150	201.9	0.0	650.6		





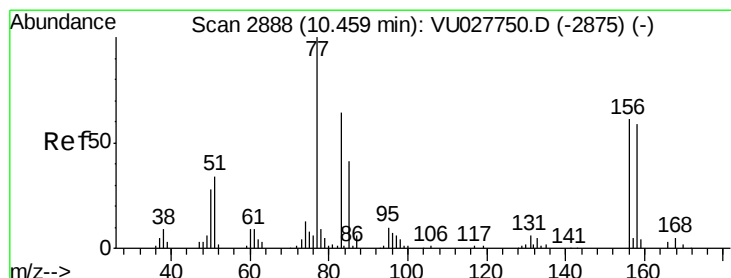
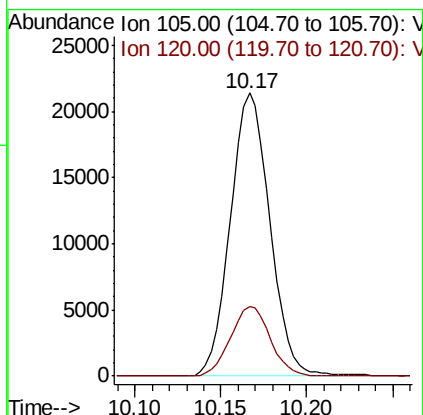
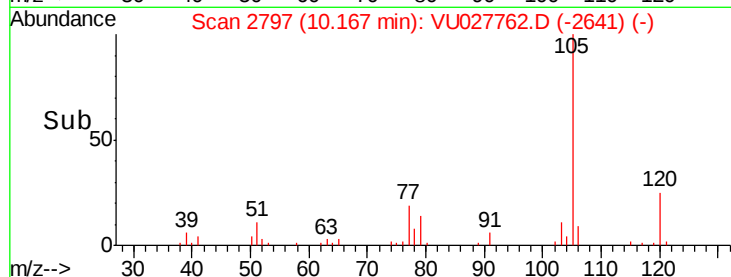
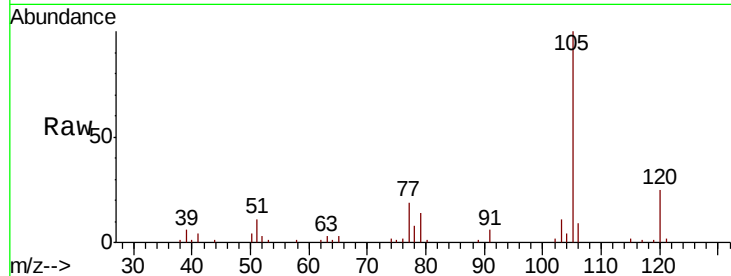
#69
Isopropylbenzene
Concen: 2.009 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.8	12.8	38.3

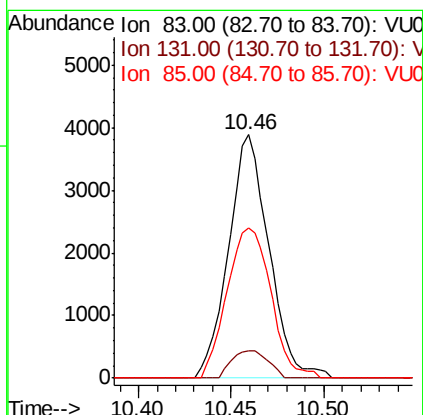
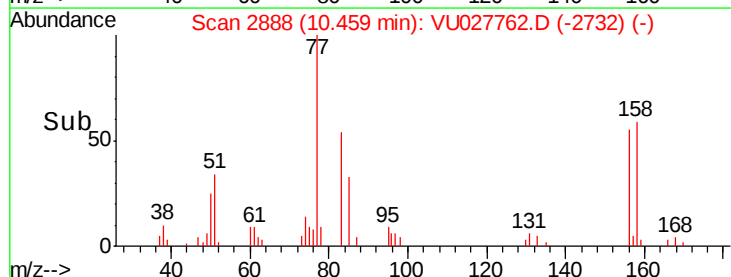
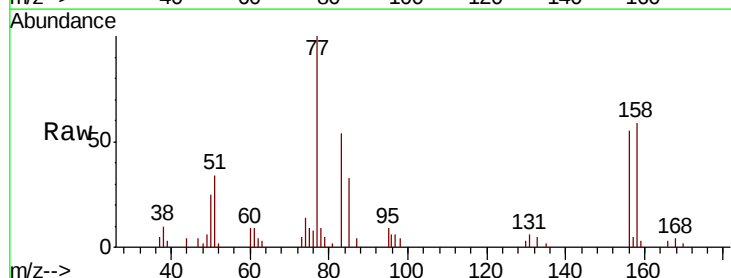
Manual Integrations
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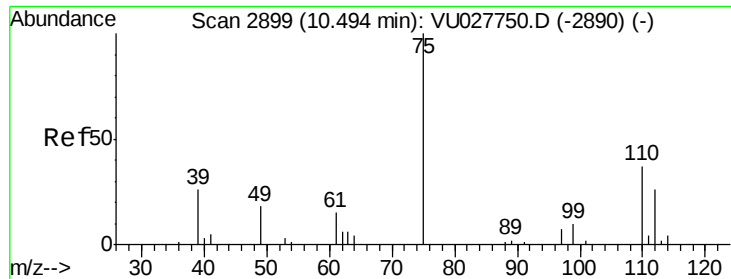
sam
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#70
1,1,2,2-Tetrachloroethane
Concen: 1.764 ug/l
RT: 10.46 min Scan# 2888
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.1	7.7	11.5
85	67.0	51.2	76.8





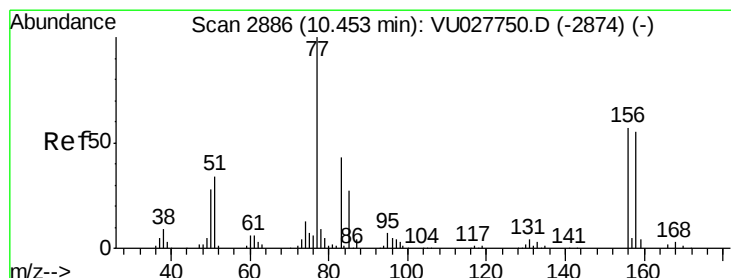
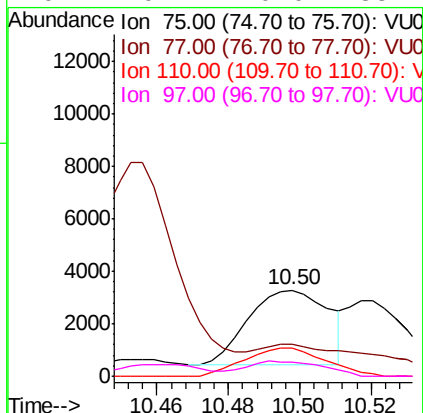
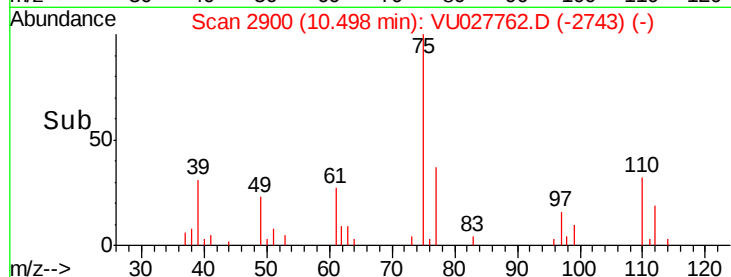
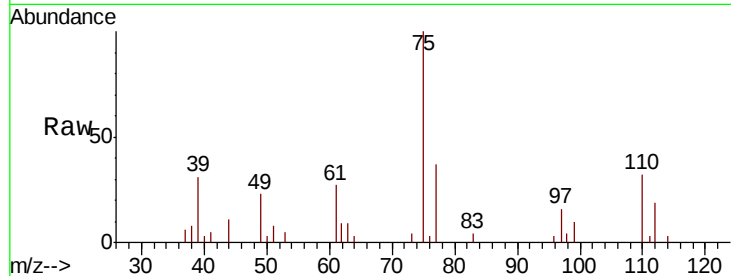
#71
 1,2,3-Trichloropropane
 Concen: 1.740 ug/l
 RT: 10.50 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1023WBS01

Tot Ion:	75	Resp:	4509
Ion Ratio	Lower	Upper	
75	100		
77	59.1	0.0	0.0#
110	37.2	0.0	68.2
97	19.2	0.0	35.2

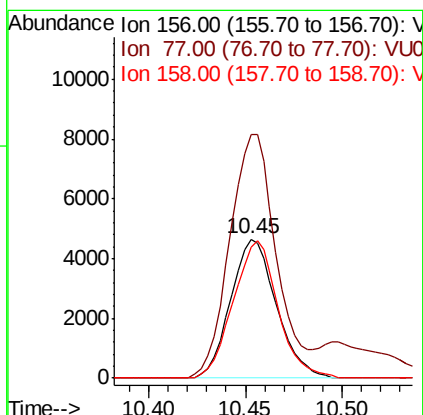
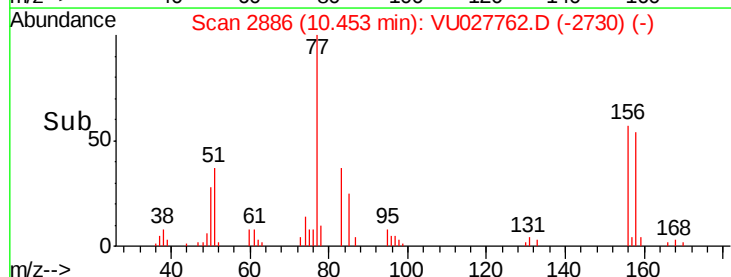
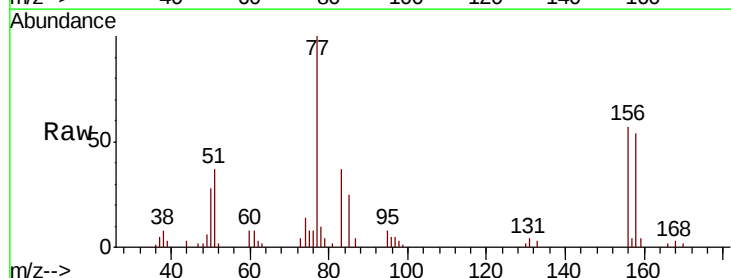
Manual Integrations
 APPROVED

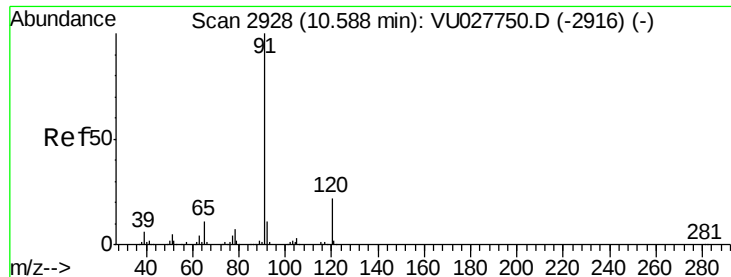
sam
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#72
 Bromobenzene
 Concen: 2.018 ug/l
 RT: 10.45 min Scan# 2886
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Tgt Ion:	156	Resp:	7632
Ion Ratio	Lower	Upper	
156	100		
77	176.9	0.0	349.4
158	96.7	0.0	191.4





#73

n-propylbenzene

Concen: 2.038 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBS01

Tot Ion:120 Resp: 8922

Ion Ratio Lower Upper

120 100

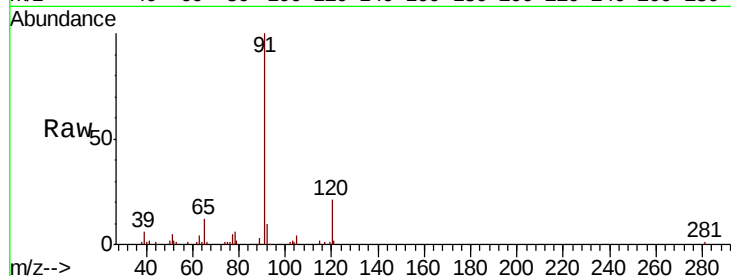
91 465.2 369.0 553.6

Manual Integrations

APPROVED

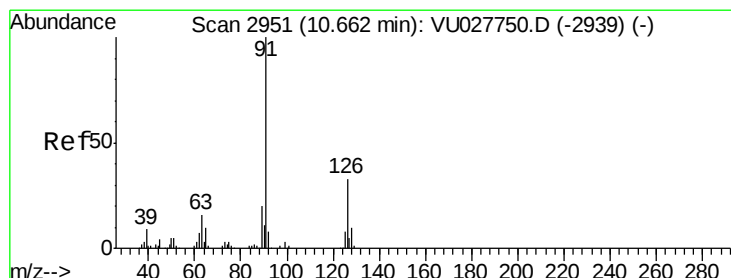
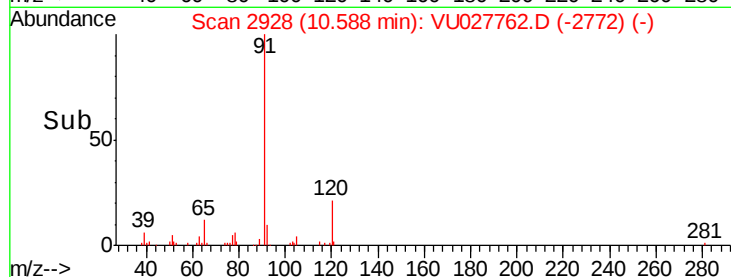
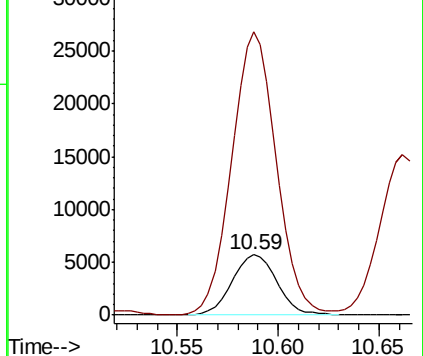
sam

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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.982 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027762.D

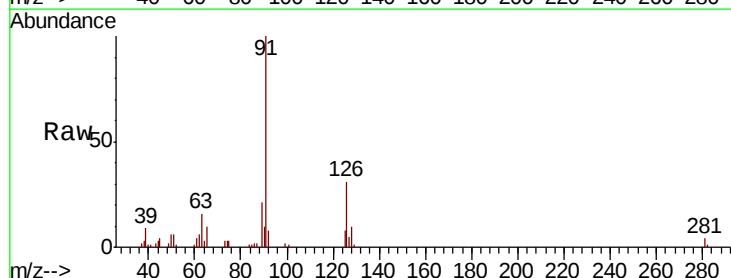
Acq: 23 Oct 2018 14:01

Tgt Ion:126 Resp: 7430

Ion Ratio Lower Upper

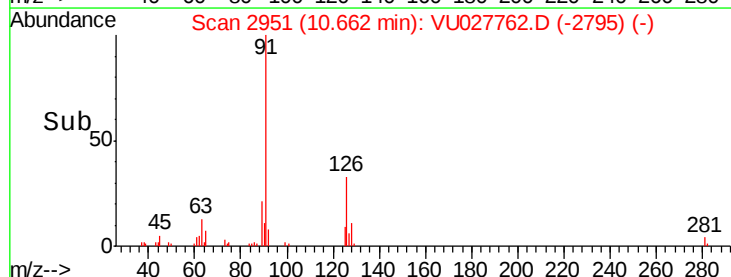
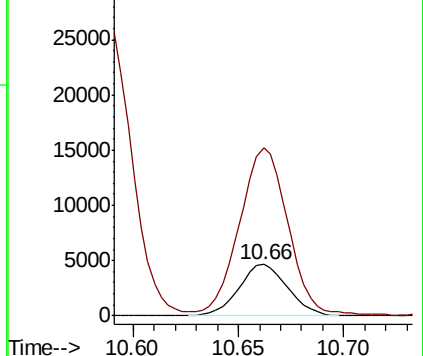
126 100

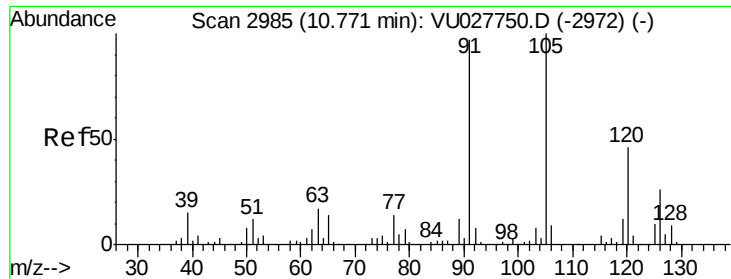
91 331.1 0.0 628.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.978 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBS01

Tot Ion:105 Resp: 28010

Ion Ratio Lower Upper

105 100

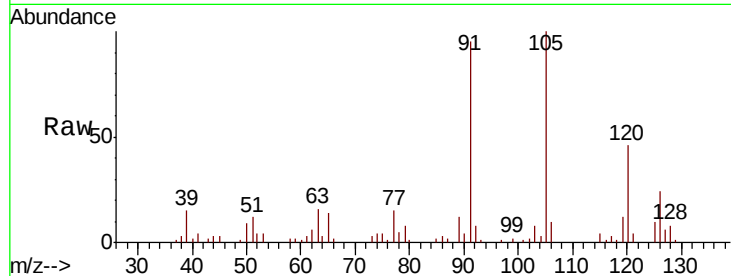
120 45.9 37.2 55.8

Manual Integrations

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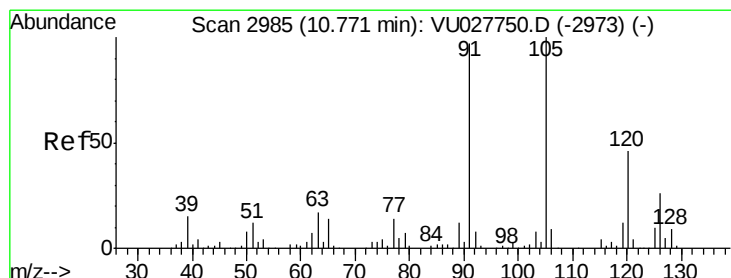
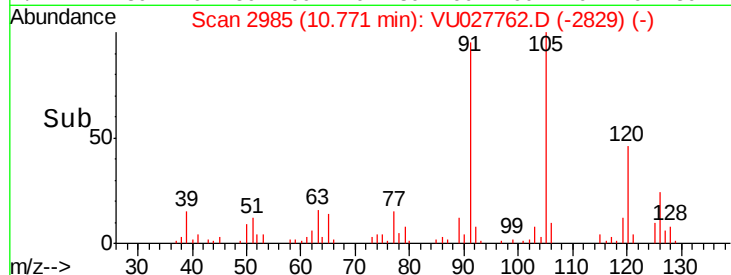
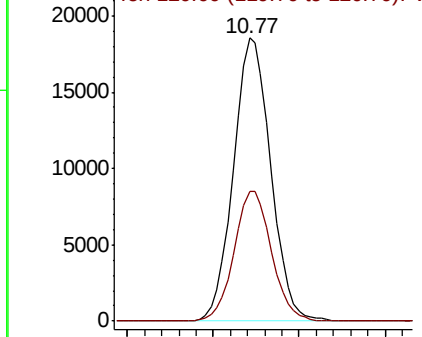
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 1.952 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027762.D

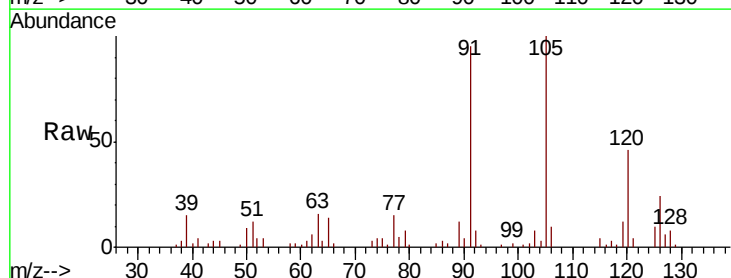
Acq: 23 Oct 2018 14:01

Tgt Ion:126 Resp: 7414

Ion Ratio Lower Upper

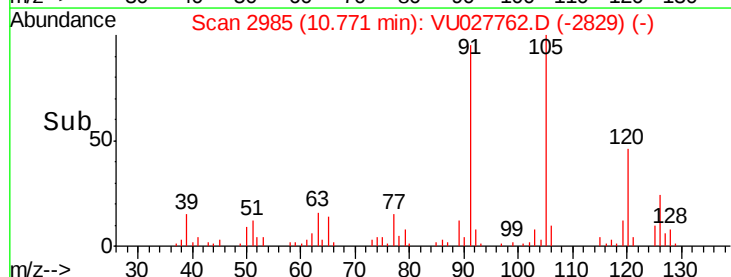
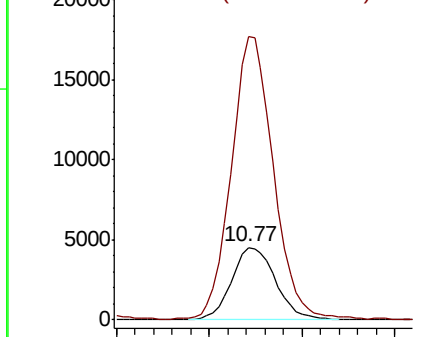
126 100

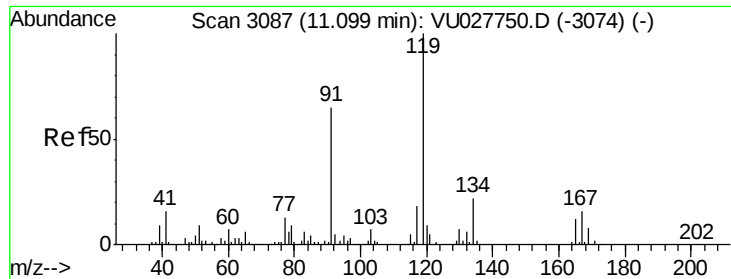
91 377.4 0.0 734.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 1.985 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

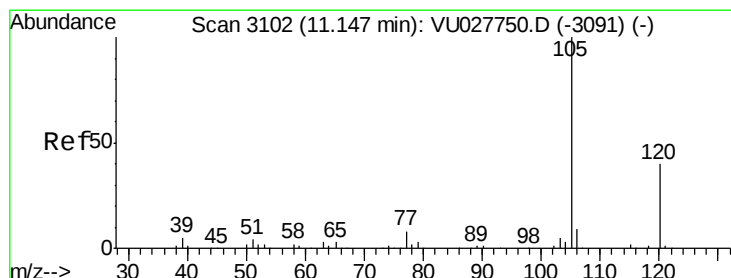
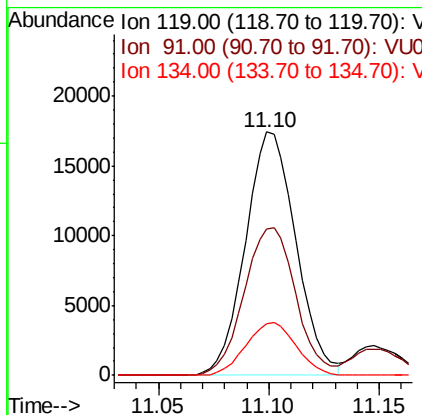
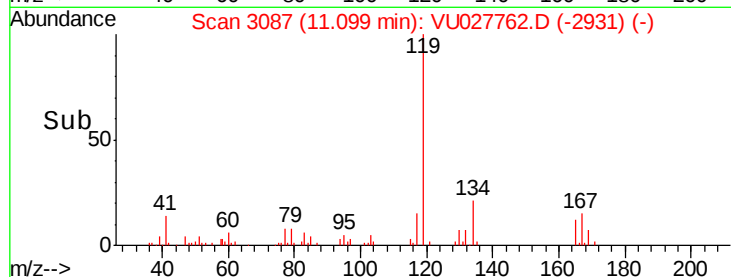
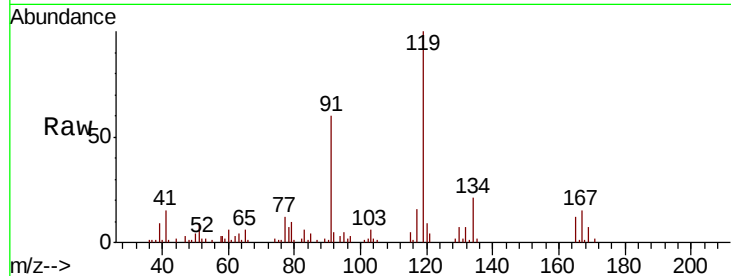
ClientSampleId :

VU1023WBS01

Tot Ion:	119	Resp:	27655
Ion Ratio	Lower	Upper	
119	100		
91	62.2	31.8	95.4
134	21.5	17.7	26.5

Manual Integrations
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#78

1,2,4-Trimethylbenzene

Concen: 2.004 ug/l

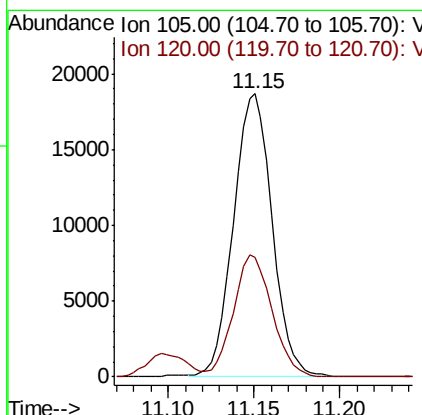
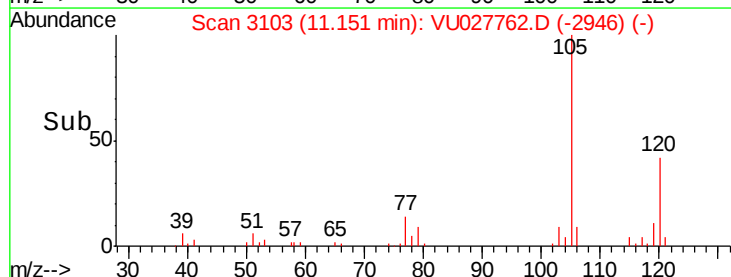
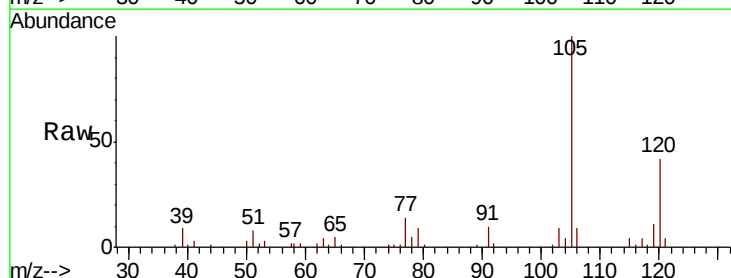
RT: 11.15 min Scan# 3103

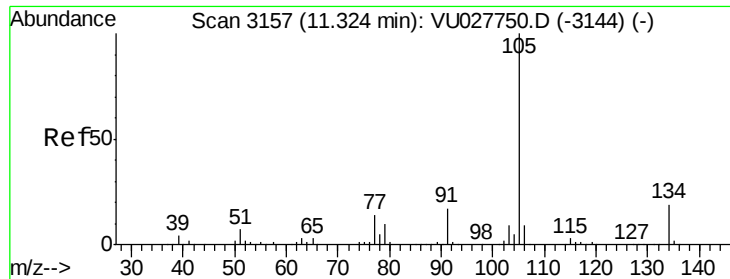
Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Tgt Ion:	105	Resp:	29169
Ion Ratio	Lower	Upper	
105	100		
120	42.9	21.6	64.6





#79

sec-Butylbenzene

Concen: 1.996 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

VU1023WBS01

Tot Ion:105 Resp: 36827

Ion Ratio Lower Upper

105 100

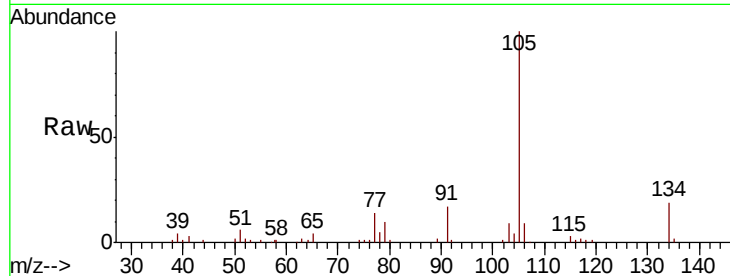
134 18.8 15.2 22.8

Manual Integrations

APPROVED

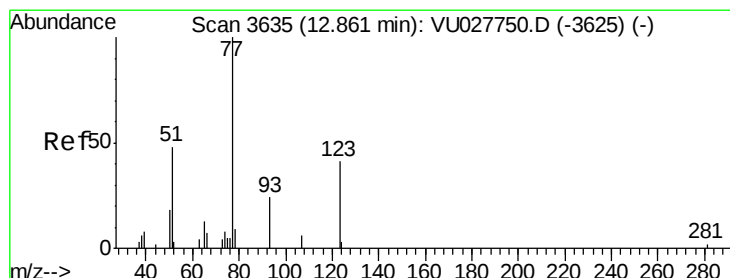
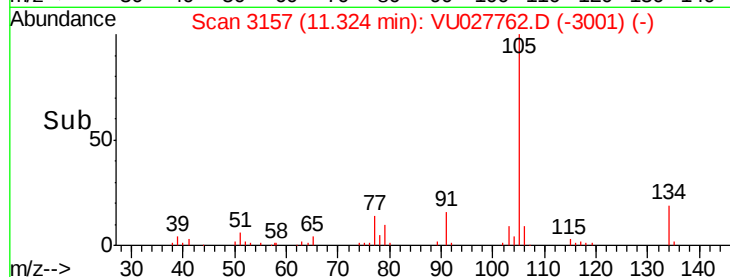
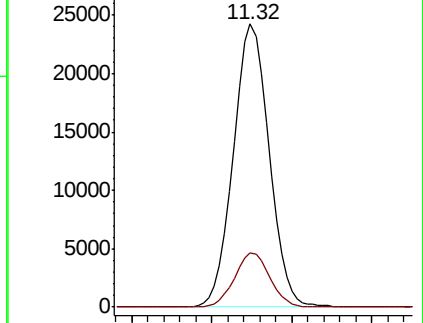
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 7.861 ug/l

RT: 12.87 min Scan# 3637

Delta R.T. 0.01 min

Lab File: VU027762.D

Acq: 23 Oct 2018 14:01

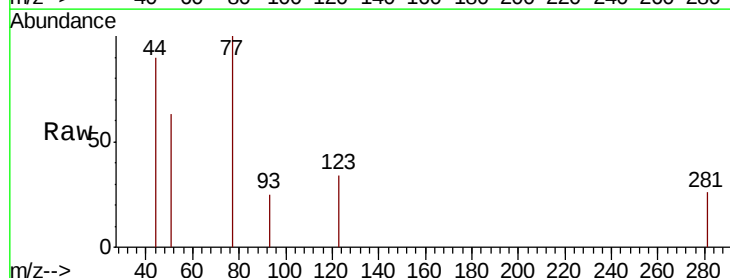
Tgt Ion: 77 Resp: 969

Ion Ratio Lower Upper

77 100

123 31.1 16.9 59.9

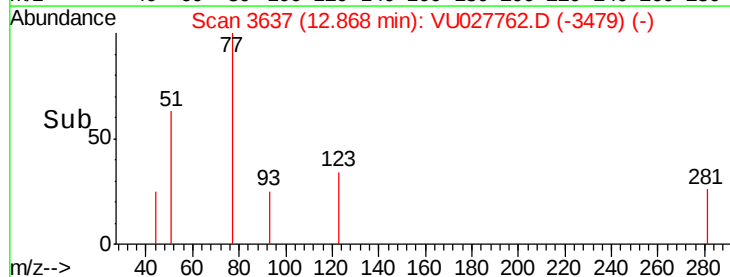
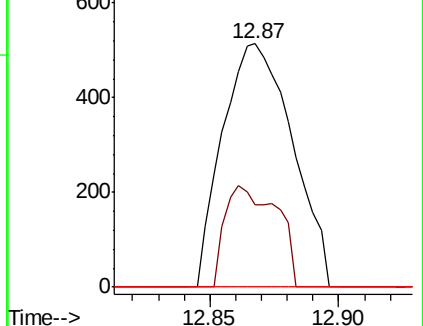
65 0.0 13.1 16.7#

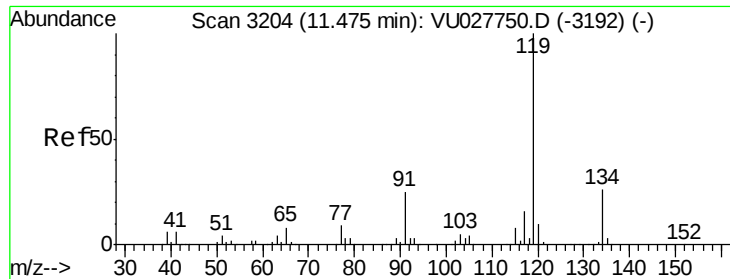


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





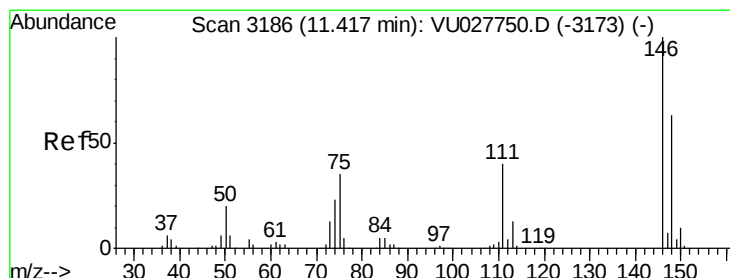
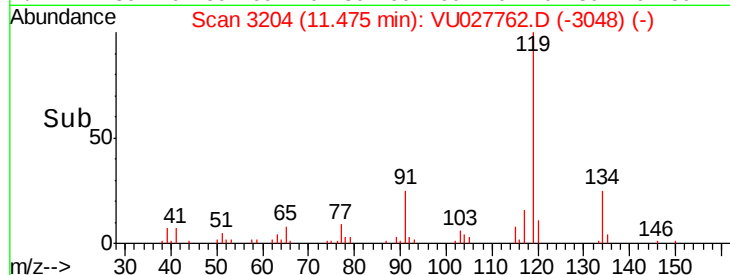
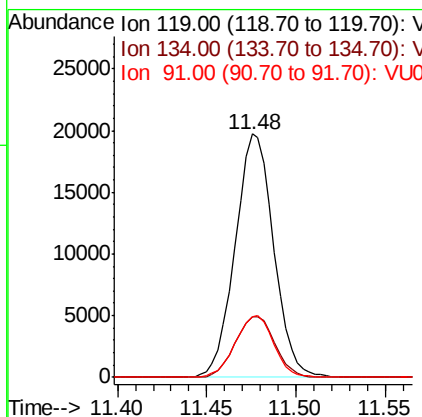
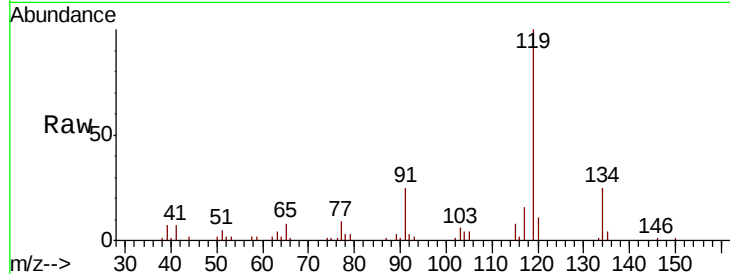
#81
 p-Isopropyltoluene
 Concen: 1.973 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Instrument :
 MSVOA_U
 ClientSampled :
 VU1023WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	29750		
134	25.7	20.3	30.5	
91	25.2	20.2	30.4	

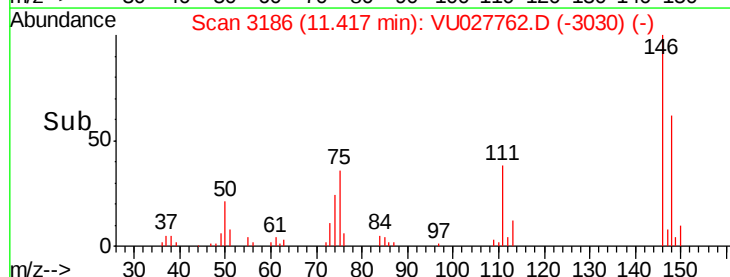
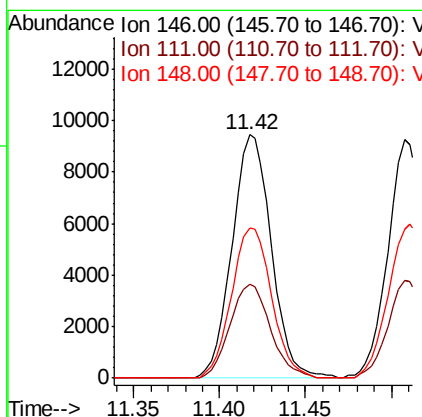
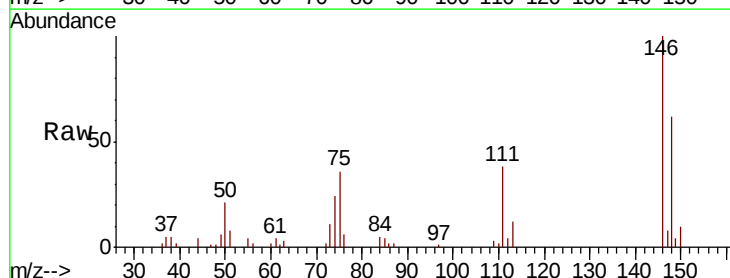
Manual Integrations
 APPROVED

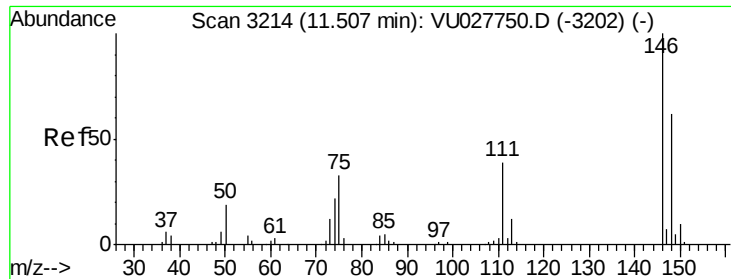
sam
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#82
 1,3-Dichlorobenzene
 Concen: 2.003 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	14987		
111	39.6	32.7	49.1	
148	62.9	50.6	75.8	





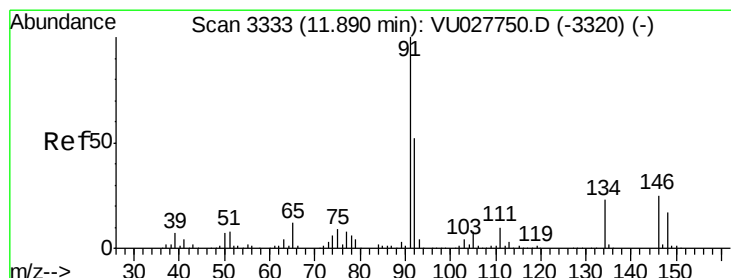
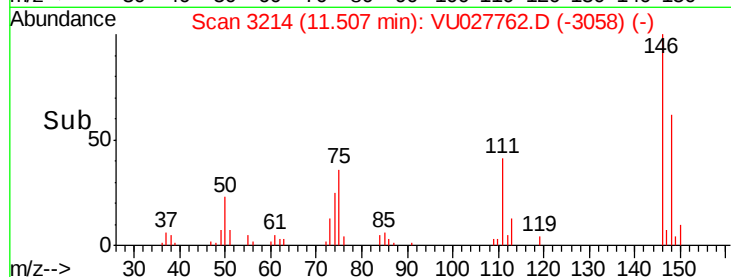
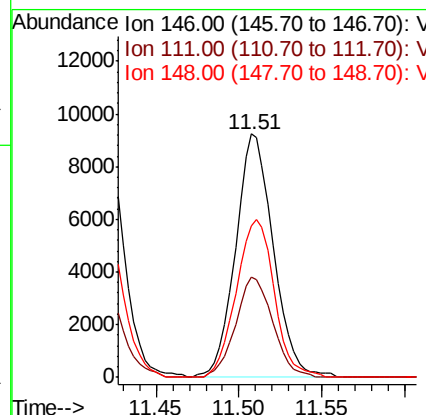
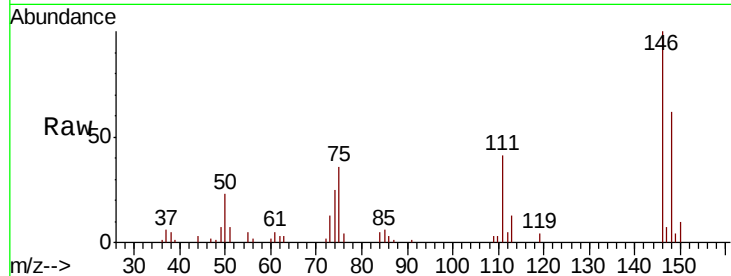
#83
 1,4-Dichlorobenzene
 Concen: 1.950 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1023WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	32.0	48.0
148	65.2	50.9	76.3

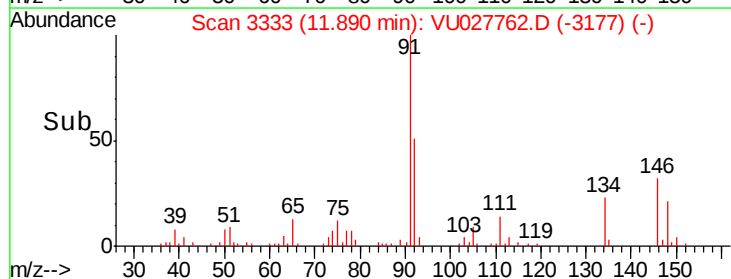
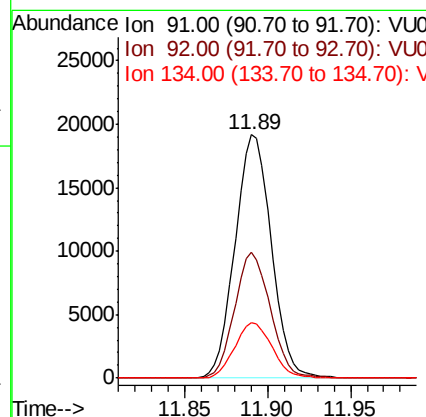
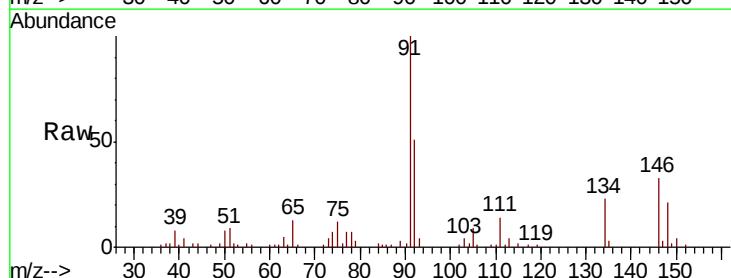
Manual Integrations
 APPROVED

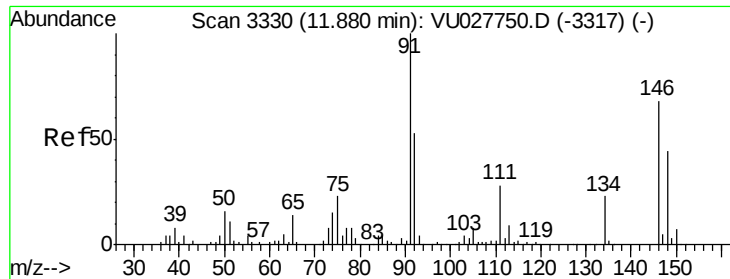
sam
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#84
 n-Butylbenzene
 Concen: 1.997 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.8	42.1	63.1
134	23.2	18.6	28.0





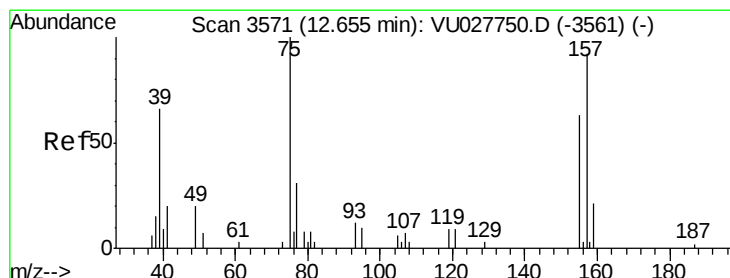
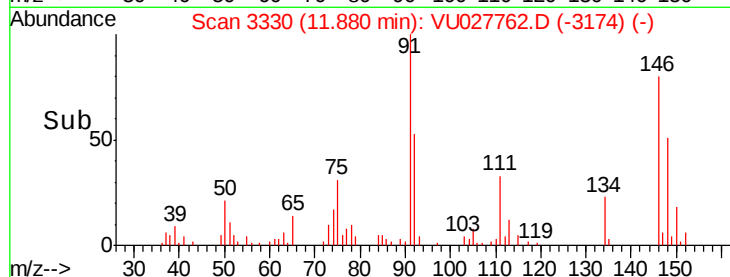
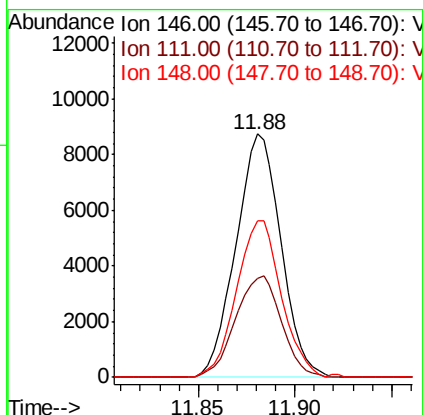
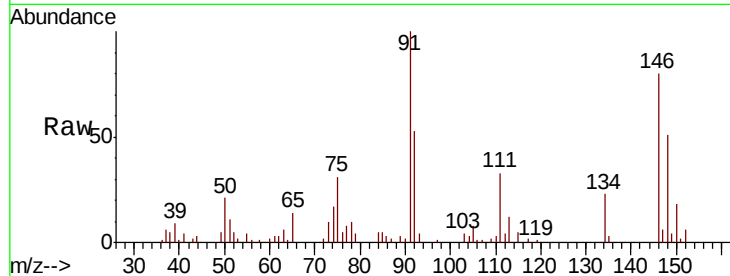
#85
 1,2-Dichlorobenzene
 Concen: 1.985 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1023WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	63.8	32.2	96.6

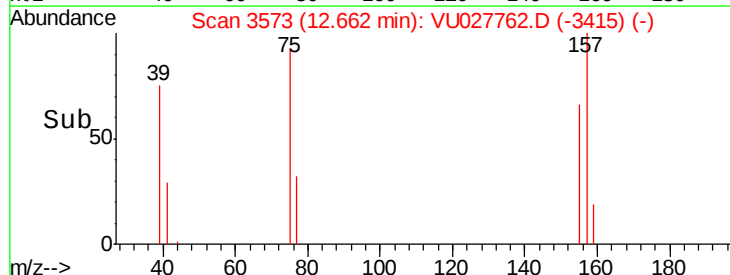
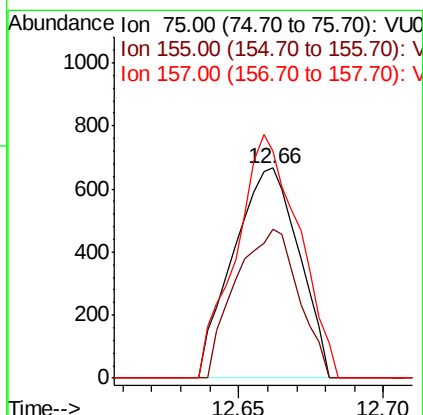
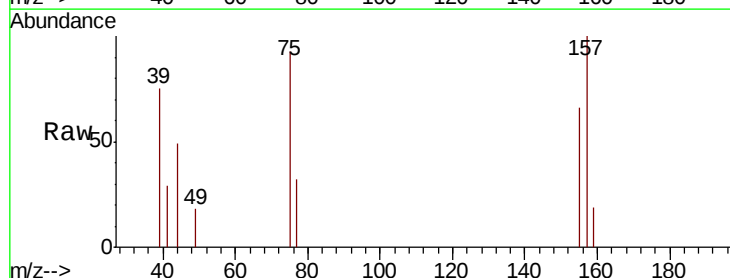
Manual Integrations
 APPROVED

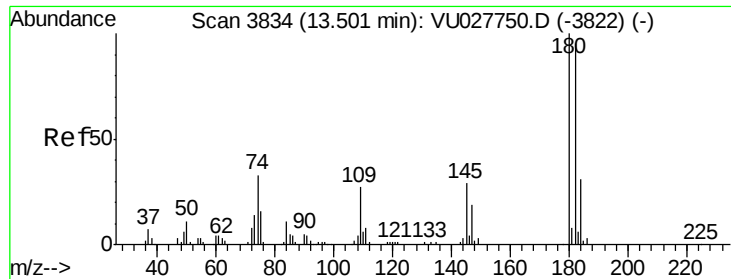
sam
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.695 ug/l
 RT: 12.66 min Scan# 3573
 Delta R.T. 0.01 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.0	55.5	83.3
157	110.7	71.0	106.4





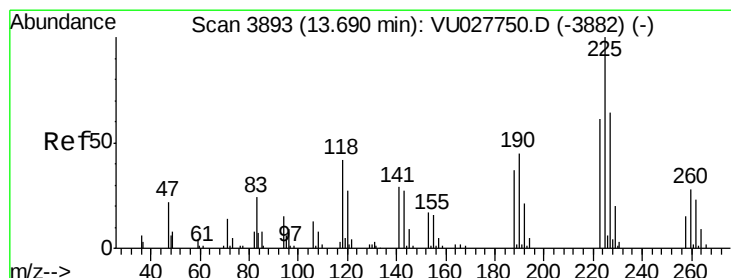
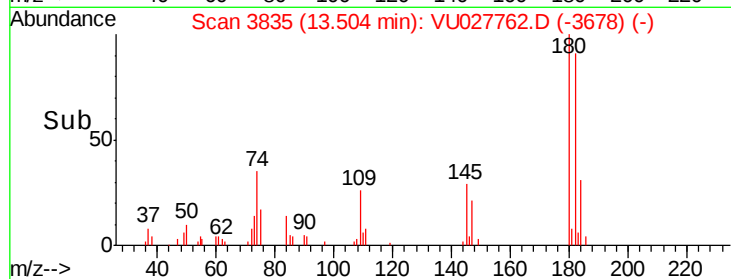
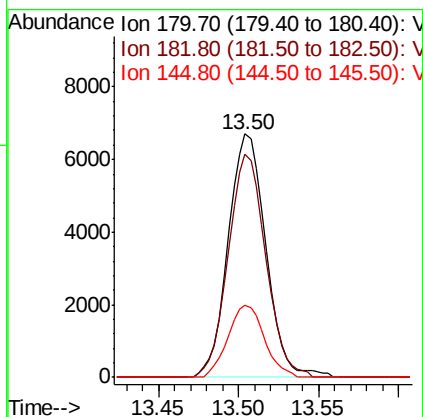
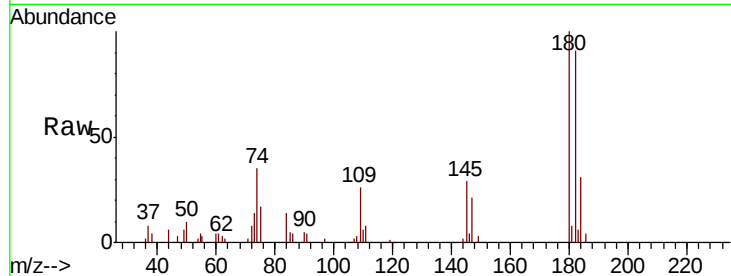
#87
 1,2,4-Trichlorobenzene
 Concen: 2.069 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1023WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.1	75.9	113.9
145	28.5	23.6	35.4

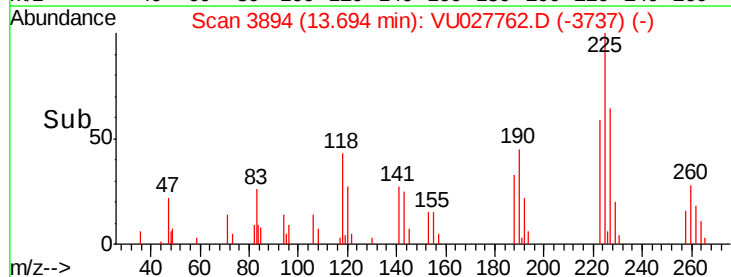
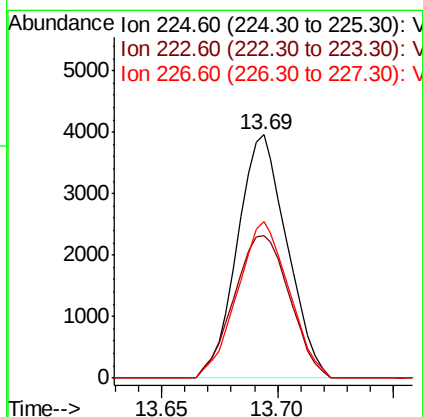
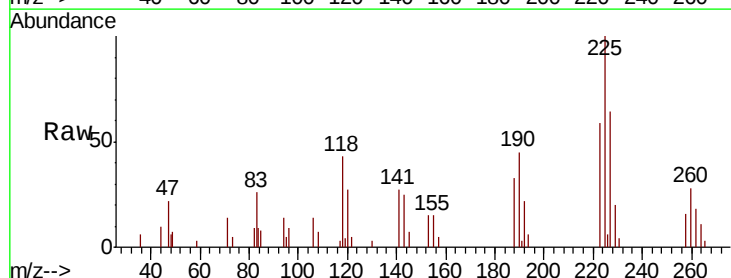
Manual Integrations
 APPROVED

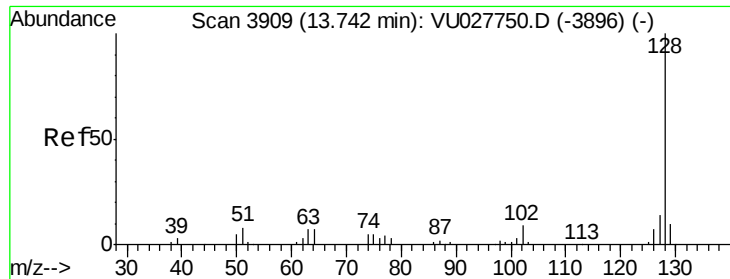
sam
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#88
 Hexachlorobutadiene
 Concen: 1.891 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027762.D
 Acq: 23 Oct 2018 14:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.5	49.6	74.4
227	66.6	51.1	76.7





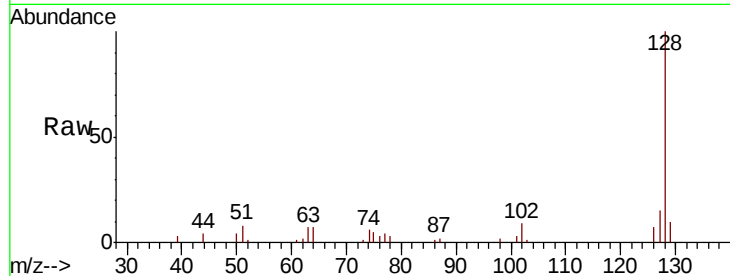
#89
Naphthalene
Concen: 1.907 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Instrument :
MSVOA_U
ClientSampleId :
VU1023WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.7	16.1
129	10.5	8.5	12.7

Manual Integrations
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sam
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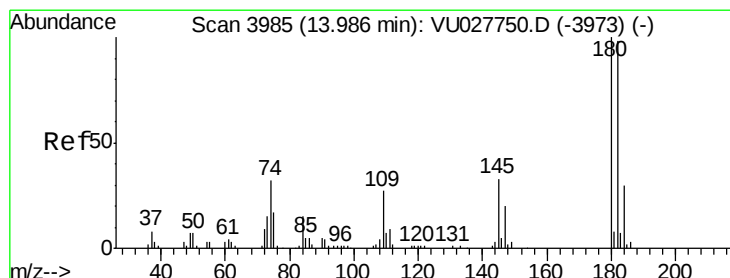
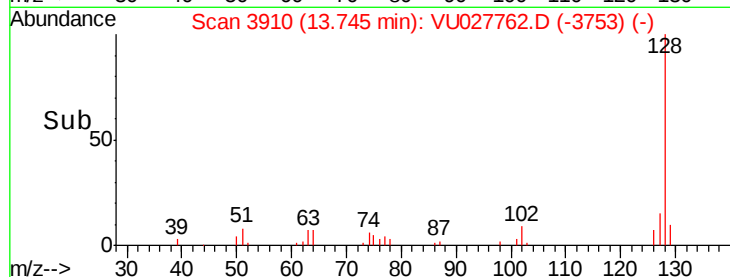
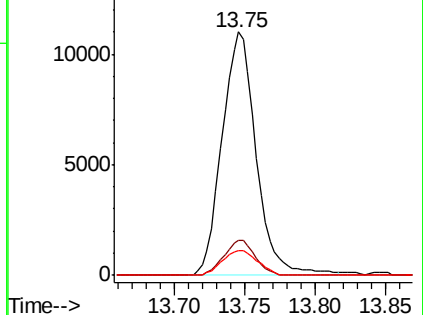


Abundance

Ion 128.00 (127.70 to 128.70): V

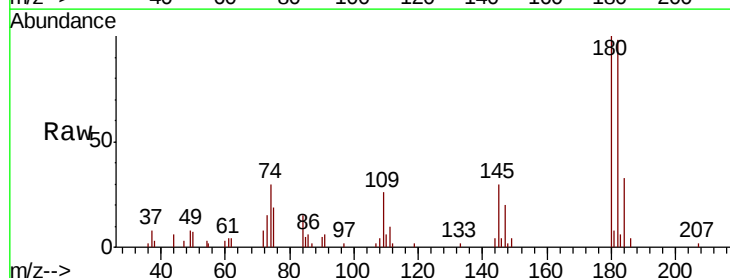
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90
1,2,3-Trichlorobenzene
Concen: 1.972 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027762.D
Acq: 23 Oct 2018 14:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	77.0	115.6
145	29.9	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

