

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027251.D
 Acq On : 28 Sep 2018 02:02
 Operator : MD/SY
 Sample : J5033-16MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW311I-20180919MS

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:07:12 PM

Quant Time: Sep 28 05:16:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	75309	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	133598	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	129796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71114	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	76613	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
35) Dibromofluoromethane	4.88	113	55385	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
50) Toluene-d8	7.57	98	199634	45.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.46%	
62) 4-Bromofluorobenzene	10.31	95	75199	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	52058	52.944	ug/l	98
3) Chloromethane	1.33	50	79725	47.029	ug/l	99
4) Vinyl Chloride	1.40	62	81107	51.255	ug/l	100
5) Bromomethane	1.62	94	55274	61.338	ug/l	96
6) Chloroethane	1.69	64	51610	51.045	ug/l	99
7) Trichlorofluoromethane	1.88	101	88109	49.024	ug/l	99
8) Diethyl Ether	2.11	74	42855	49.539	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	48016	43.450	ug/l	98
10) Methyl Iodide	2.41	142	19792	14.441	ug/l	99
11) Tert butyl alcohol	2.83	59	84769	244.000	ug/l	99
12) 1,1-Dichloroethene	2.28	96	48530	46.658	ug/l	96
13) Acrolein	2.20	56	25138	134.228	ug/l	98
14) Allyl chloride	2.59	41	114453	54.253	ug/l	98
15) Acrylonitrile	2.94	53	241348	275.632	ug/l	99
16) Acetone	2.32	43	202041	251.007	ug/l	98
17) Carbon Disulfide	2.48	76	177166	52.286	ug/l	100
18) Methyl Acetate	2.62	43	116795	54.138	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	227371	59.486	ug/l	100
20) Methylene Chloride	2.70	84	67786	49.937	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	59249	53.353	ug/l	100
22) Diisopropyl ether	3.58	45	262522	58.179	ug/l	96
23) Vinyl Acetate	3.53	43	1002125	260.536	ug/l	99
24) 1,1-Dichloroethane	3.45	63	135490	54.519	ug/l	98
25) 2-Butanone	4.26	43	343409	269.596	ug/l	99
26) 2,2-Dichloropropane	4.23	77	81230	41.911	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	79932	63.735	ug/l	98
28) Bromochloromethane	4.55	49	65141	54.376	ug/l	96
29) Tetrahydrofuran	4.64	42	225933	293.207	ug/l	97
30) Chloroform	4.67	83	125766	54.518	ug/l	99
31) Cyclohexane	5.00	56	119996	53.153	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	99722	54.142	ug/l	99
36) 1,1-Dichloropropene	5.14	75	90140	50.555	ug/l	99
37) Ethyl Acetate	4.38	43	113790	47.143	ug/l	99
38) Carbon Tetrachloride	5.14	117	84522	49.813	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	97430	50.283	ug/l	97
40) Benzene	5.39	78	273479	50.454	ug/l	100
41) Methacrylonitrile	4.54	41	71099	56.718	ug/l	98
42) 1,2-Dichloroethane	5.40	62	105175	51.358	ug/l	100
43) Isopropyl Acetate	5.55	43	181017	51.423	ug/l	99
44) Trichloroethene	6.19	130	60625	52.537	ug/l	93
45) 1,2-Dichloropropane	6.43	63	80879	52.368	ug/l	100
46) Dibromomethane	6.56	93	47457	50.878	ug/l	97
47) Bromodichloromethane	6.76	83	93672	49.665	ug/l	98
48) Methyl methacrylate	6.62	41	98483	51.374	ug/l	98
49) 1,4-Dioxane	6.61	88	30801	809.162	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	654756	276.559	ug/l	100
52) Toluene	7.64	92	164260	52.869	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	105440	52.032	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	109954	49.348	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	66078	50.193	ug/l	99
56) Ethyl methacrylate	8.02	69	111879	49.023	ug/l	98
57) 1,3-Dichloropropane	8.24	76	127068	51.895	ug/l	99
59) 2-Hexanone	8.36	43	502923	271.376	ug/l	99
60) Dibromochloromethane	8.48	129	66118	51.201	ug/l	98
61) 1,2-Dibromoethane	8.59	107	68424	49.953	ug/l	97
64) Tetrachloroethene	8.23	164	47731	47.723	ug/l	99
65) Chlorobenzene	9.12	112	166859	48.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	60573	51.099	ug/l	99
67) Ethyl Benzene	9.25	91	301374	53.253	ug/l	99
68) m/p-Xylenes	9.38	106	224348	97.918	ug/l	98
69) o-Xylene	9.78	106	108274	53.998	ug/l	99
70) Stvrene	9.79	104	180604	48.303	ug/l	99
71) Bromoform	9.96	173	47266	51.563	ug/l #	99
73) Isopropylbenzene	10.17	105	290924	53.780	ug/l	99
74) N-amyl acetate	10.02	43	152303	48.639	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	117239	47.137	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	104946m	48.577	ug/l	
77) Bromobenzene	10.45	156	66470	50.283	ug/l	95
78) n-propylbenzene	10.59	91	350926	54.826	ug/l	100
79) 2-Chlorotoluene	10.66	91	207393	51.584	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	243367	54.500	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	27337m	40.494	ug/l	
82) 4-Chlorotoluene	10.77	91	242280	53.743	ug/l	99
83) tert-Butylbenzene	11.10	119	232037	52.559	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	248304	54.639	ug/l	98
85) sec-Butylbenzene	11.32	105	288768	53.583	ug/l	99
86) p-Isopropyltoluene	11.48	119	243655	48.217	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	119905	48.743	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	122943	45.856	ug/l	100
89) n-Butylbenzene	11.89	91	223309	45.767	ug/l	100
90) Hexachloroethane	12.15	117	45571	46.501	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	123253	47.168	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26001	51.244	ug/l	97
93) 1,2,4-Trichlorobenzene	13.50	180	76613	50.878	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	37033	46.480	ug/l	99
95) Naphthalene	13.74	128	277480	47.227	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	82177	50.889	ug/l	99

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

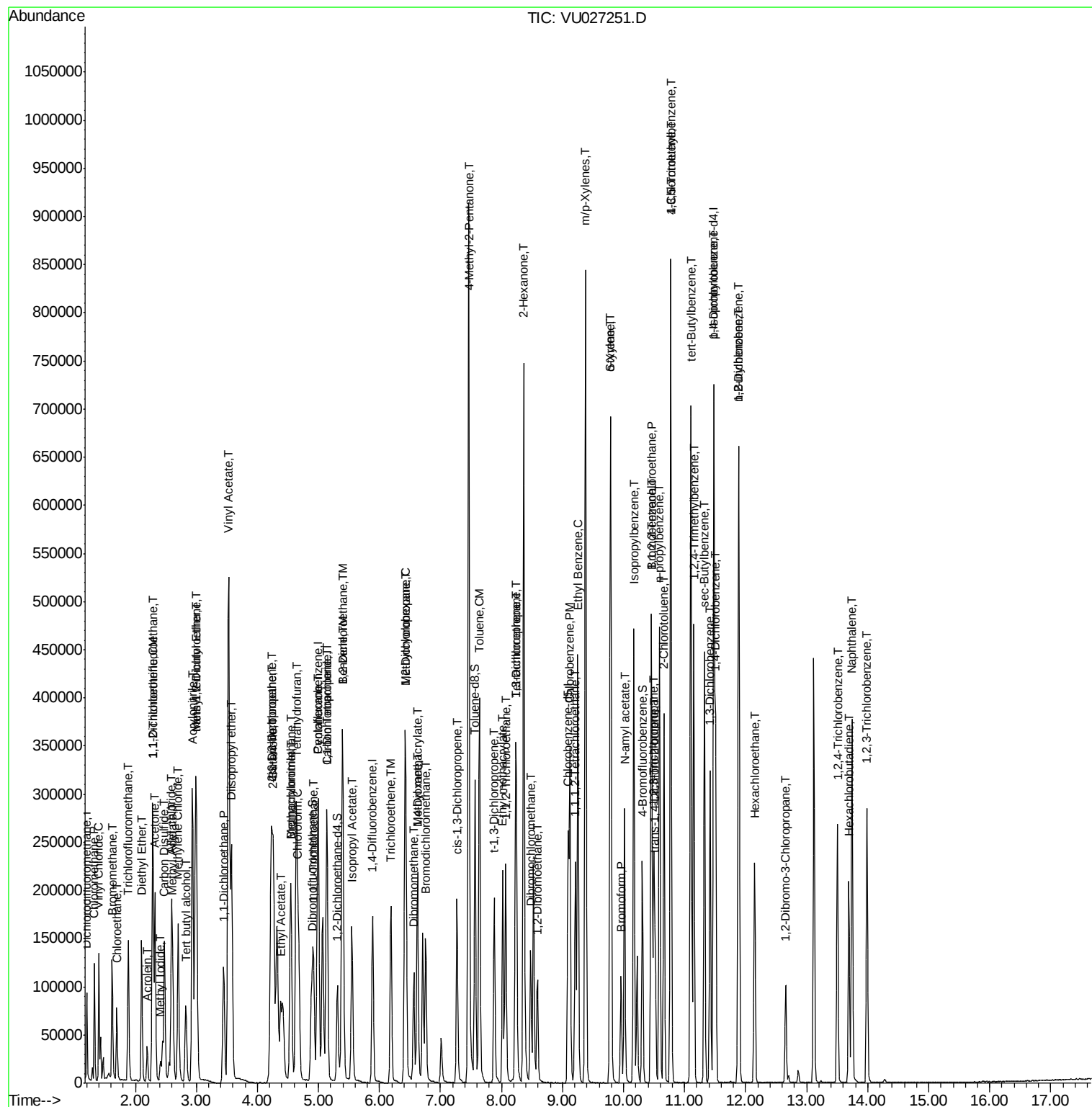
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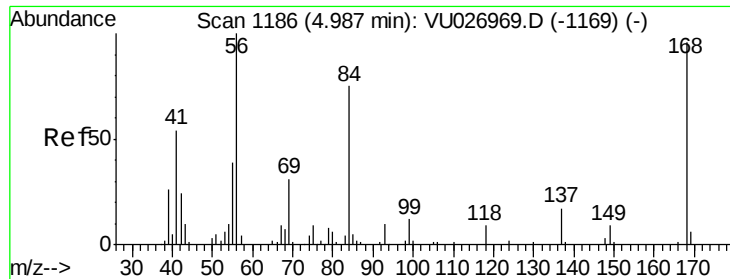
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW311I-20180919MS

Tot Ion:168 Resp: 75309

Ion Ratio Lower Upper

168 100

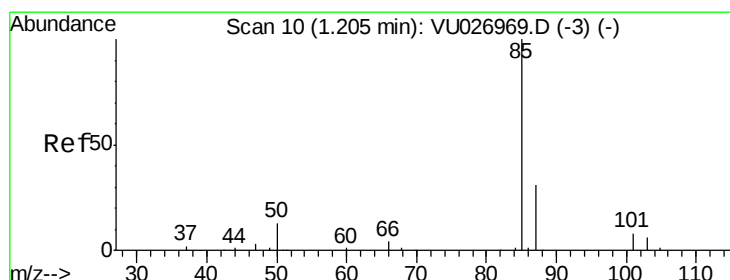
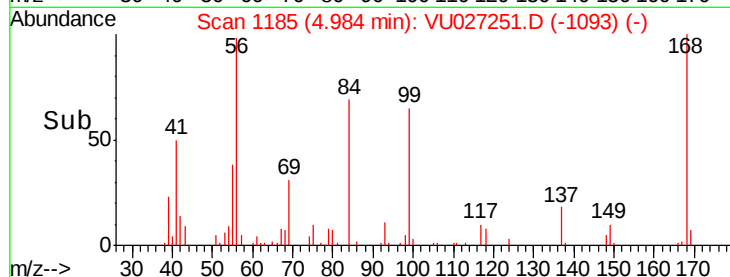
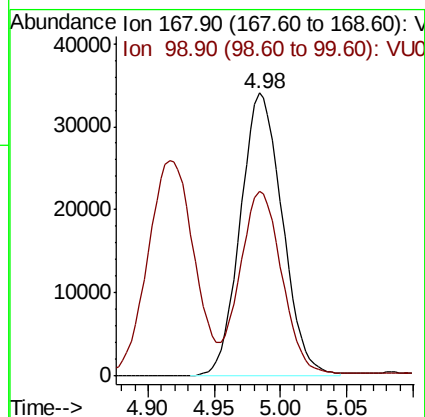
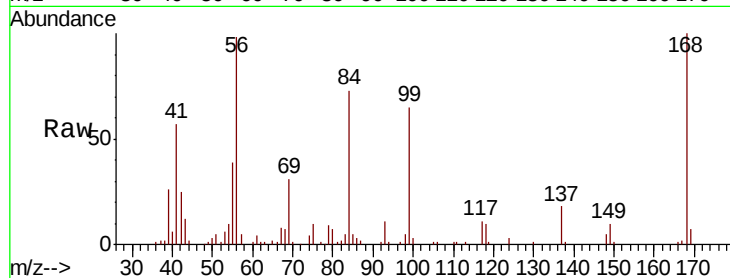
99 64.0 48.1 72.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 52.944 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027251.D

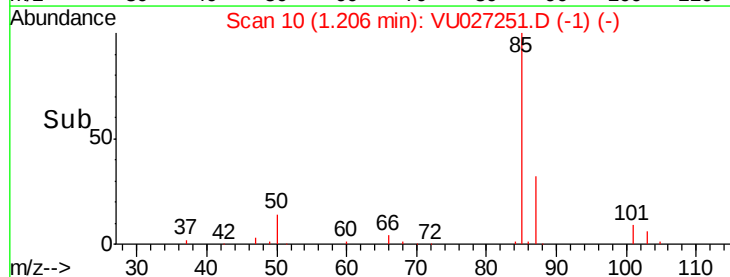
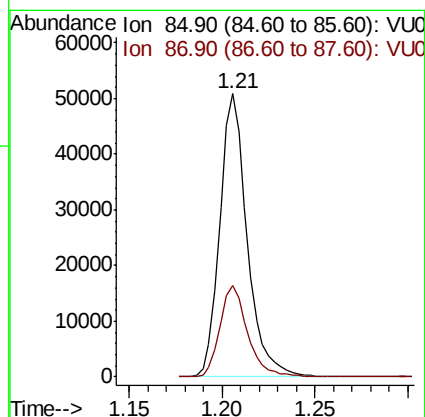
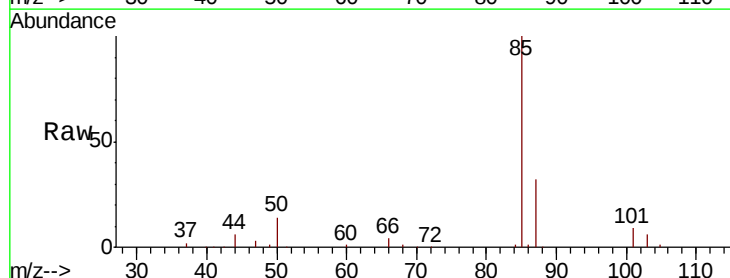
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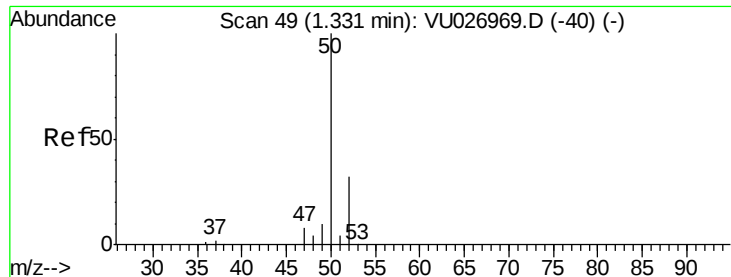
Tgt Ion: 85 Resp: 52058

Ion Ratio Lower Upper

85 100

87 32.1 15.6 46.7





#3

Chloromethane

Concen: 47.029 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 50 Resp: 79725

Ion Ratio Lower Upper

50 100

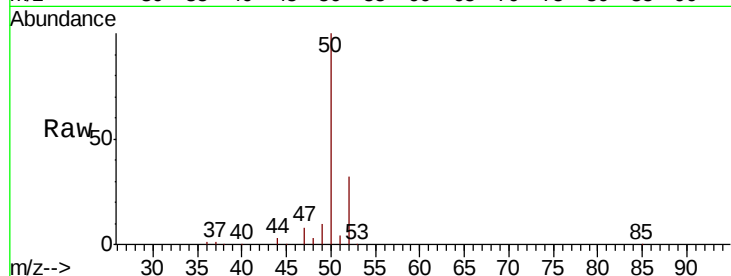
52 32.0 25.9 38.9

Manual Integrations

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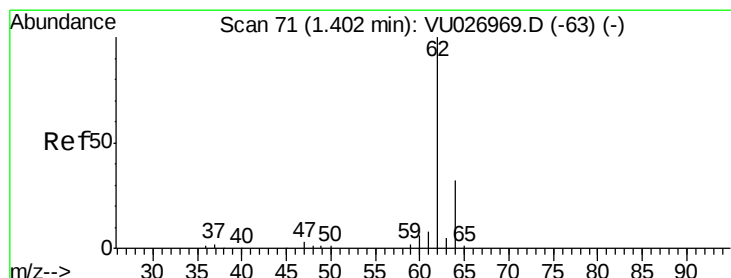
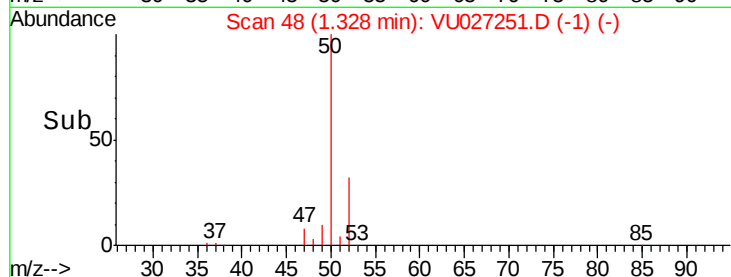
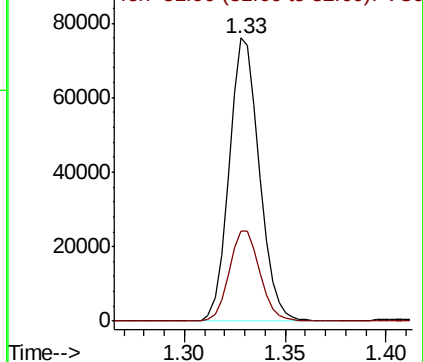
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 51.255 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027251.D

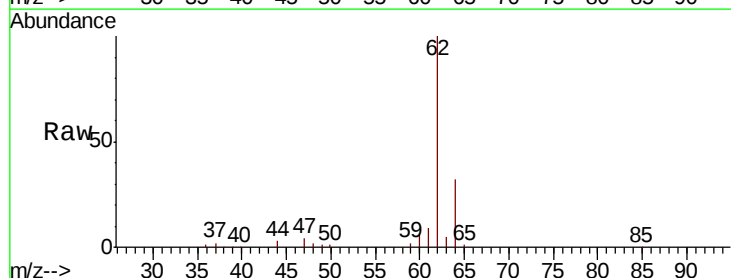
Acq: 28 Sep 2018 02:02

Tgt Ion: 62 Resp: 81107

Ion Ratio Lower Upper

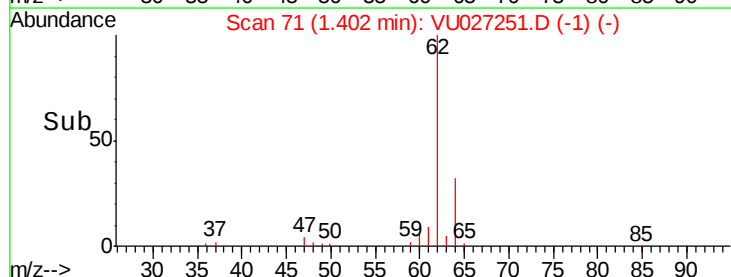
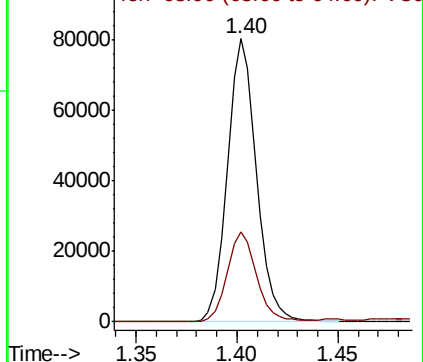
62 100

64 31.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





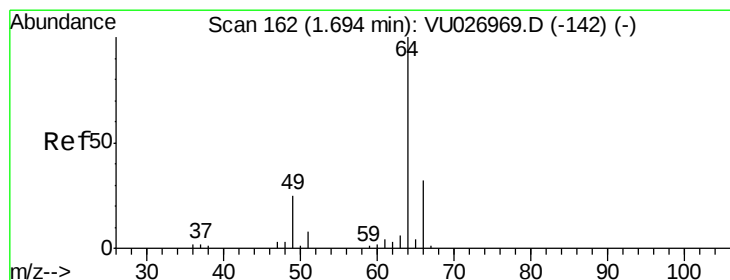
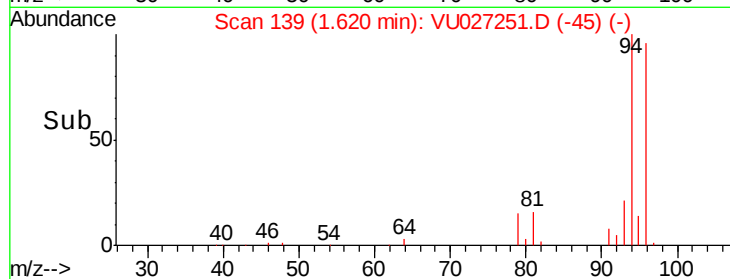
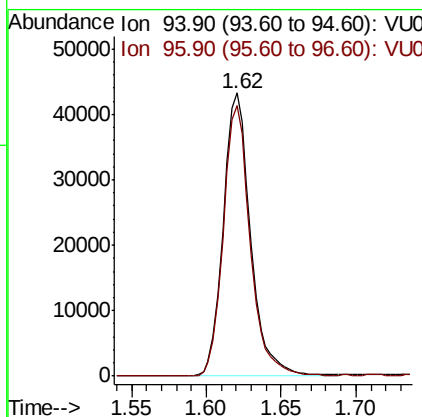
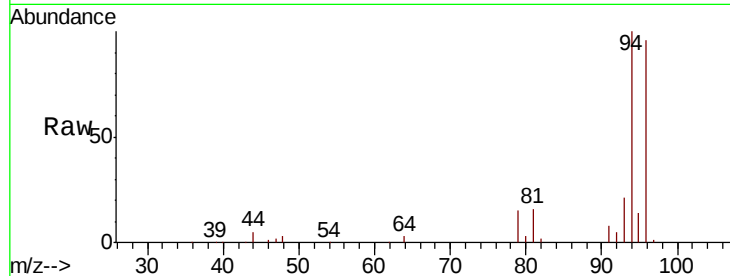
#5
Bromomethane
Concen: 61.338 ug/l
RT: 1.62 min Scan# 139
Delta R.T. 0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

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Tot Ion: 94 Resp: 55274
Ion Ratio Lower Upper
94 100
96 95.6 73.2 109.8

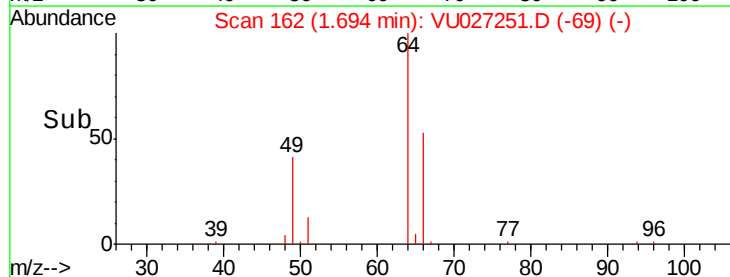
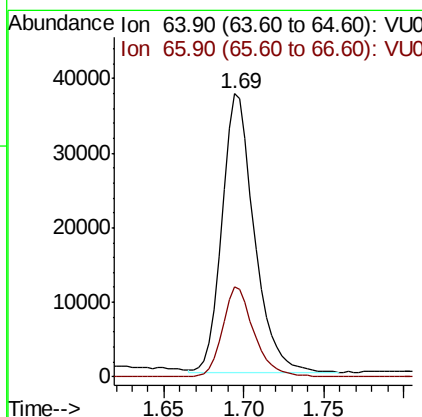
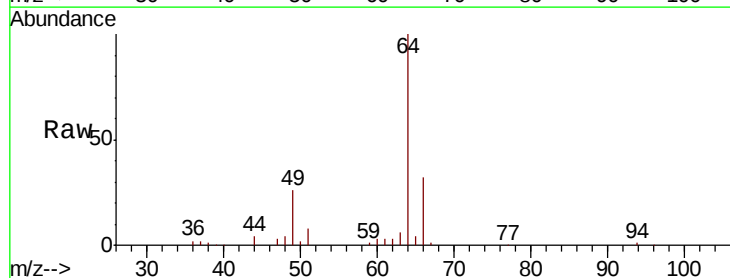
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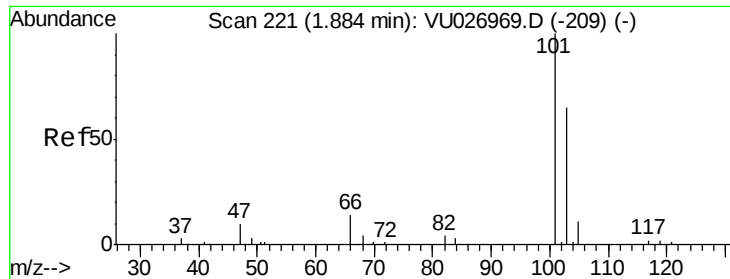
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10/2/2018 1:07:12 PM



#6
Chloroethane
Concen: 51.045 ug/l
RT: 1.69 min Scan# 162
Delta R.T. 0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Tgt Ion: 64 Resp: 51610
Ion Ratio Lower Upper
64 100
66 32.2 25.3 37.9





#7

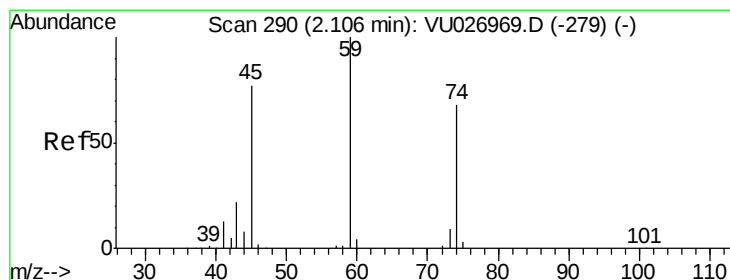
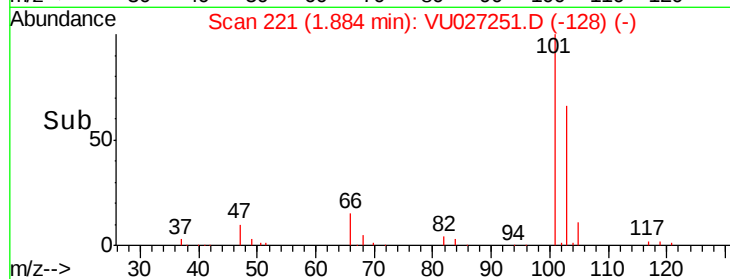
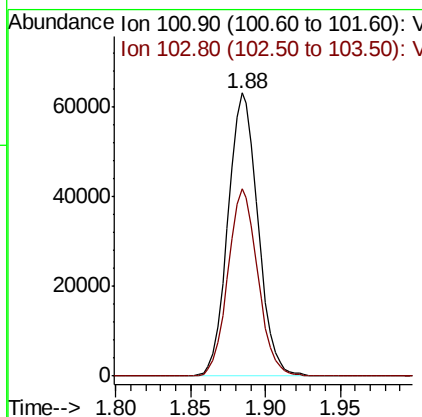
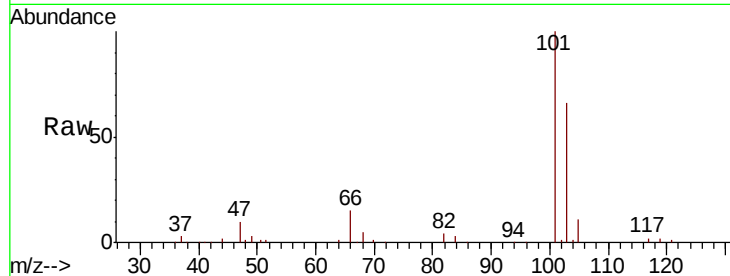
Trichlorofluoromethane
 Concen: 49.024 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU027251.D
 Acq: 28 Sep 2018 02:02

Instrument :
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Tot Ion:101 Resp: 88109
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.2 78.2

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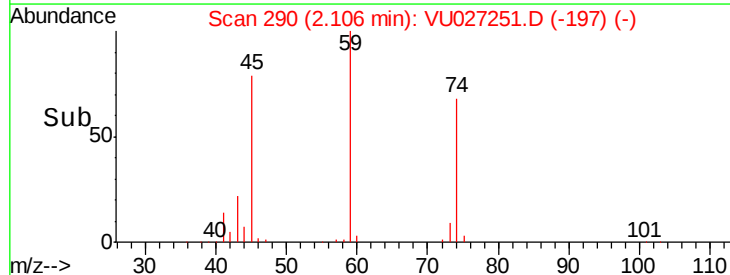
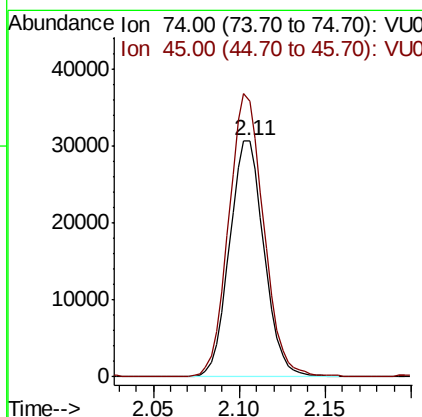
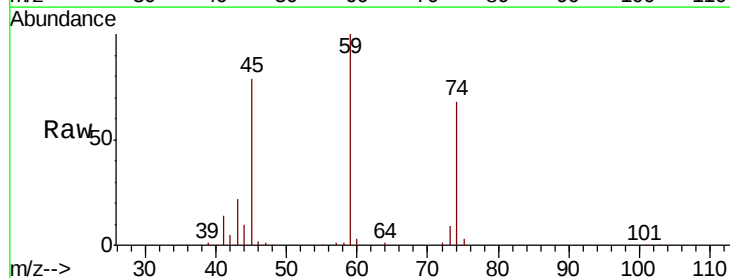
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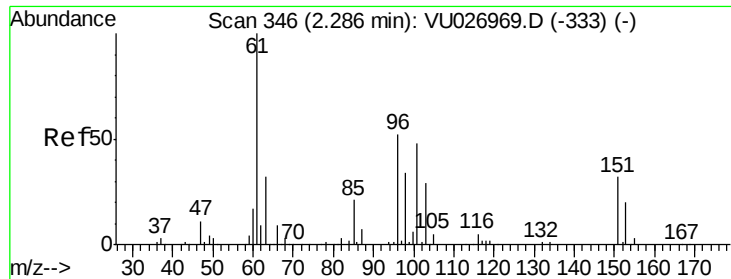


#8

Diethyl Ether
 Concen: 49.539 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VU027251.D
 Acq: 28 Sep 2018 02:02

Tgt Ion: 74 Resp: 42855
 Ion Ratio Lower Upper
 74 100
 45 121.8 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.450 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Instrument :

MSVOA_U

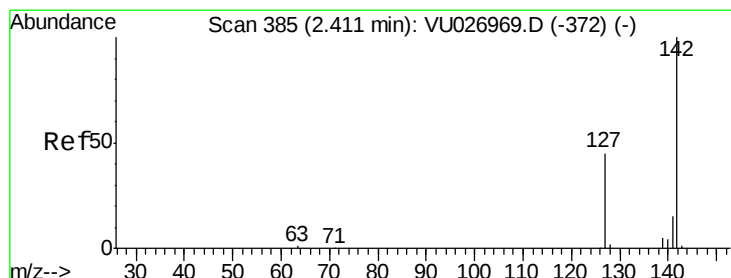
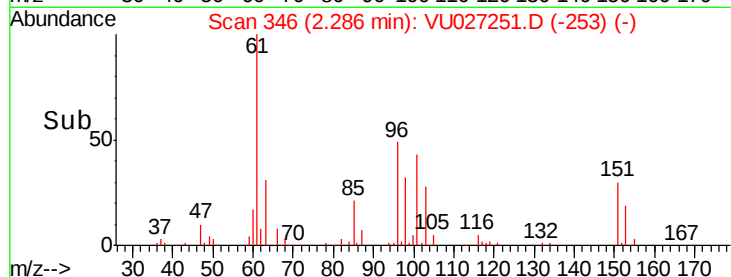
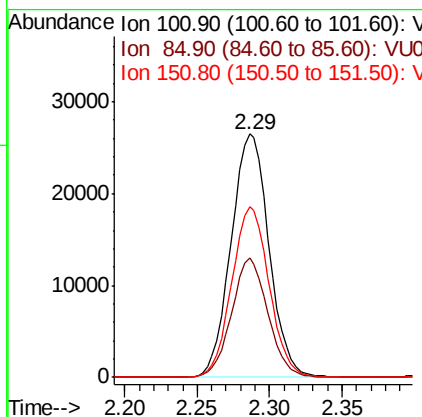
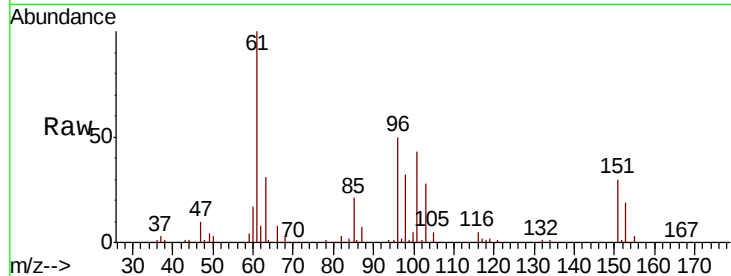
ClientSampleId :

BPSI-TT-MW311I-20180919MS

Tot Ion:	101	Resp:	48016
Ion Ratio	Lower	Upper	
101	100		
85	46.9	36.2	54.2
151	69.0	54.5	81.7

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 14.441 ug/l

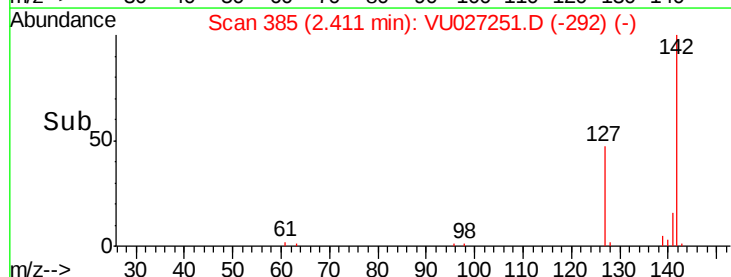
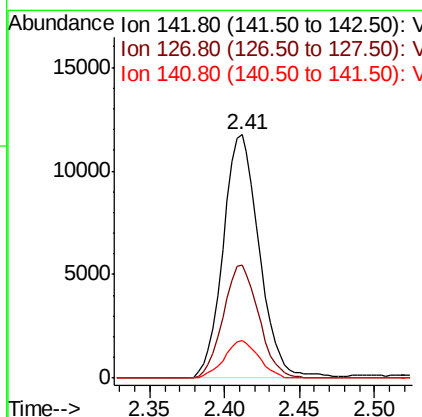
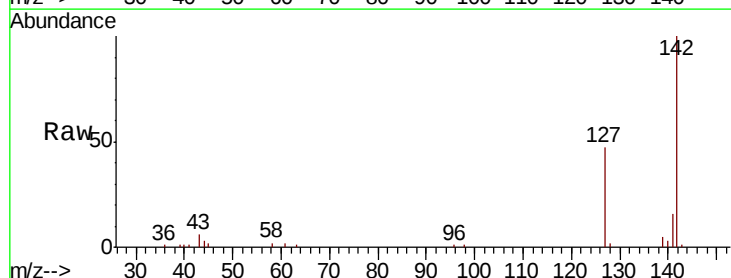
RT: 2.41 min Scan# 385

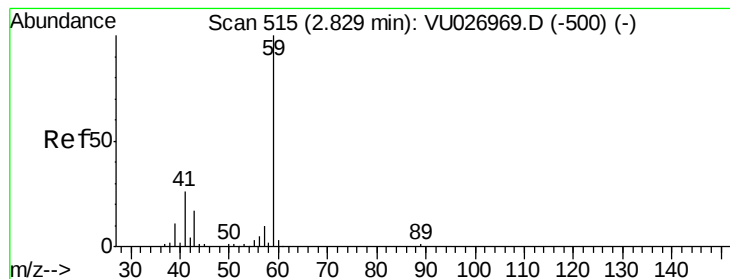
Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Tgt Ion:	142	Resp:	19792
Ion Ratio	Lower	Upper	
142	100		
127	45.5	36.7	55.1
141	14.6	11.8	17.6





#11

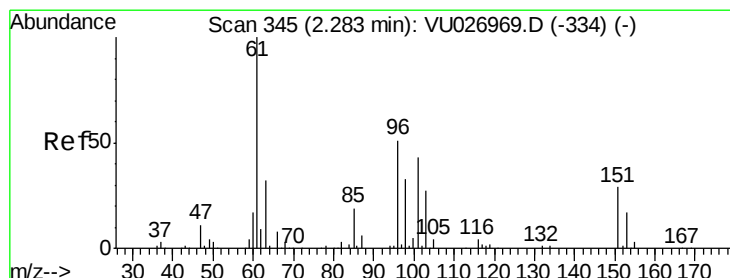
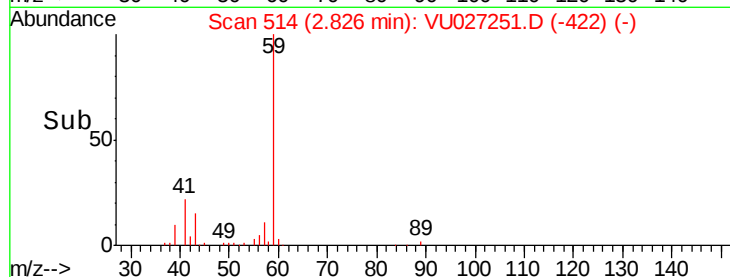
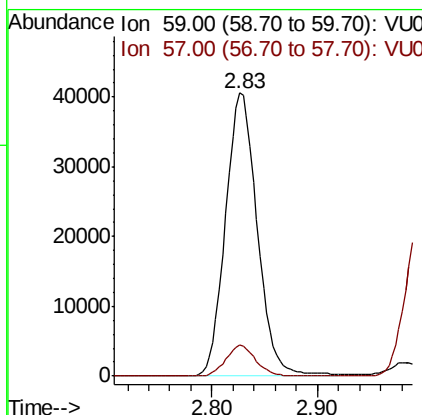
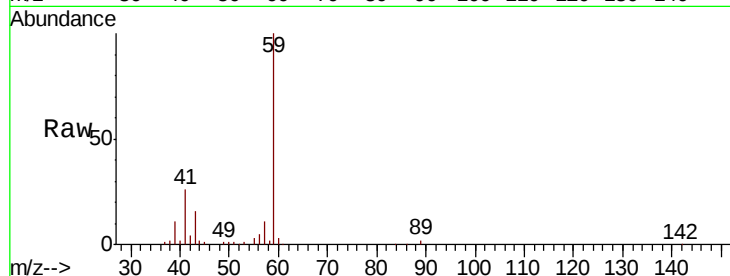
Tert butyl alcohol
 Concen: 244.000 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027251.D
 Acq: 28 Sep 2018 02:02

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW311I-20180919MS

Tot Ion	59	Resp	84769
Ion Ratio	100	Lower	Upper
57	10.2	8.5	12.7

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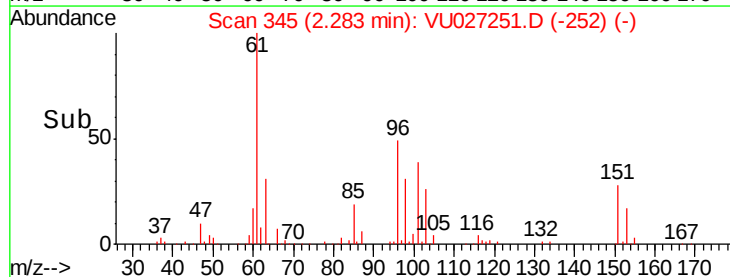
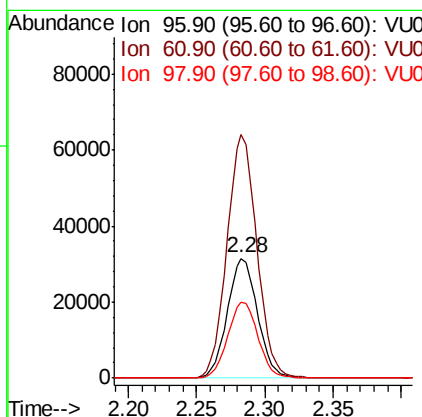
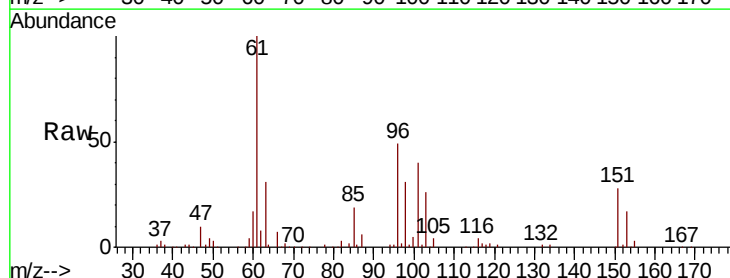
MMDadoda
 10/2/2018 1:07:12 PM

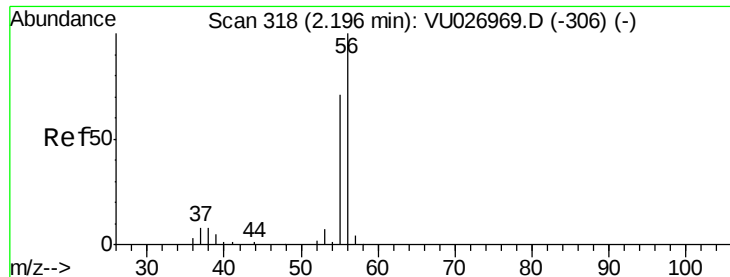


#12

1,1-Dichloroethene
 Concen: 46.658 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027251.D
 Acq: 28 Sep 2018 02:02

Tgt Ion	96	Resp	48530
Ion Ratio	100	Lower	Upper
61	203.7	156.1	234.1
98	63.7	51.4	77.0





#13

Acrolein

Concen: 134.228 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW311I-20180919MS

Tot Ion: 56 Resp: 25138

Ion Ratio Lower Upper

56 100

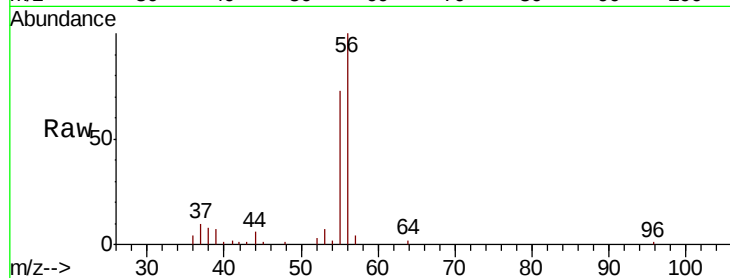
55 72.7 57.1 85.7

Manual Integrations

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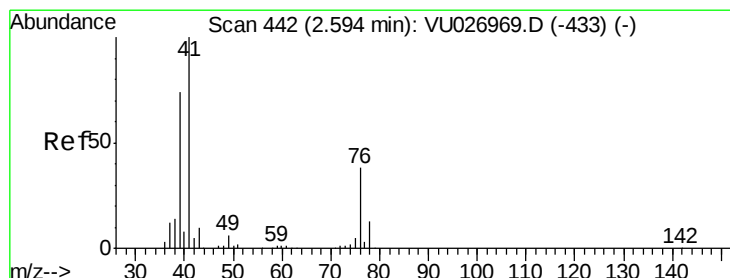
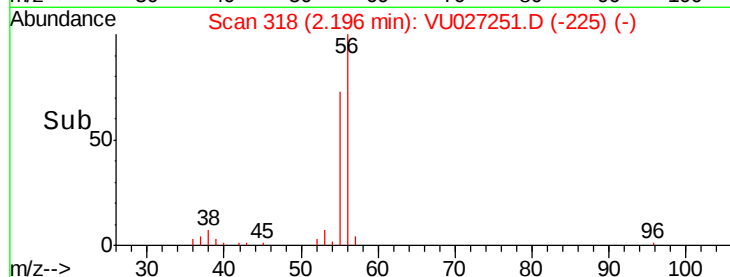
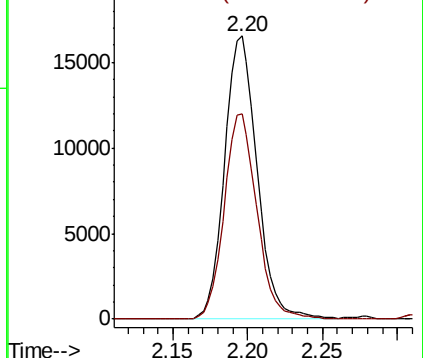
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 54.253 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

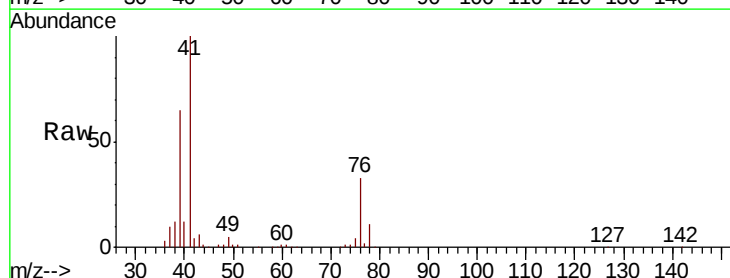
Tgt Ion: 41 Resp: 114453

Ion Ratio Lower Upper

41 100

39 68.0 55.7 83.5

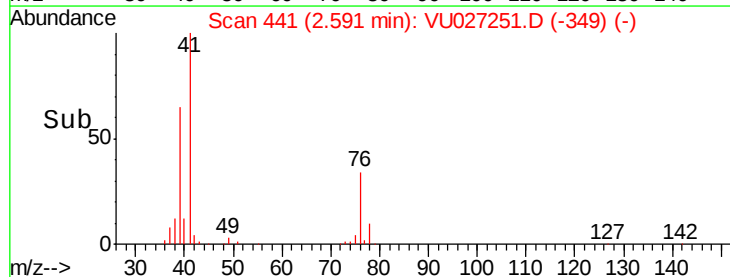
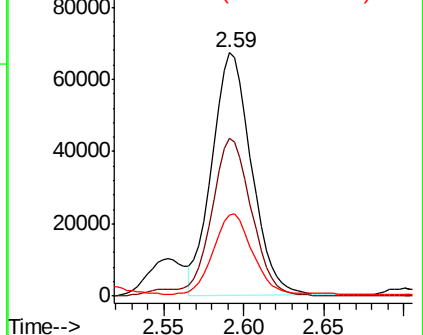
76 32.5 26.5 39.7

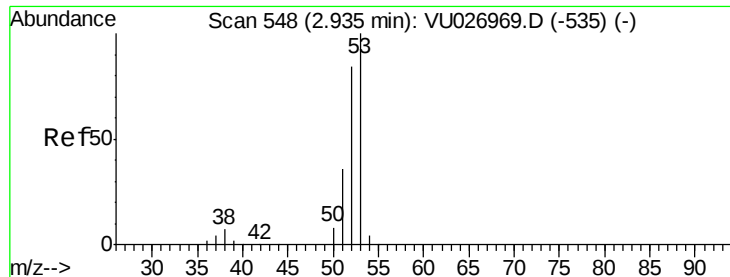


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 275.632 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Instrument :

MSVOA_U

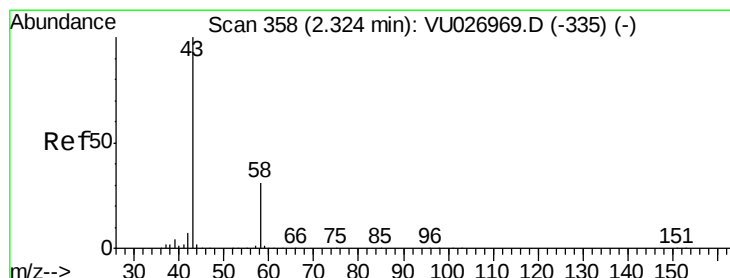
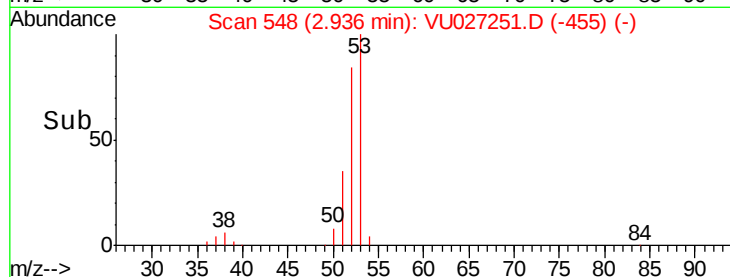
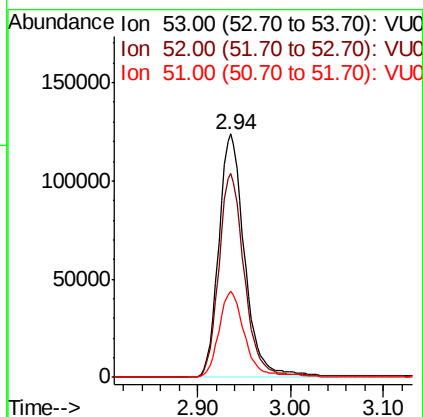
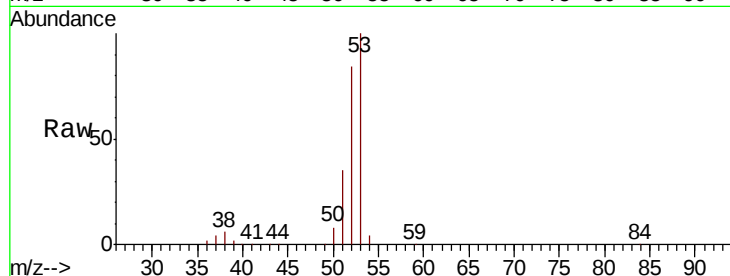
ClientSampleId :

BPSI-TT-MW311I-20180919MS

Tot Ion:	53	Resp:	241348
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.7	98.5
51	35.7	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 251.007 ug/l

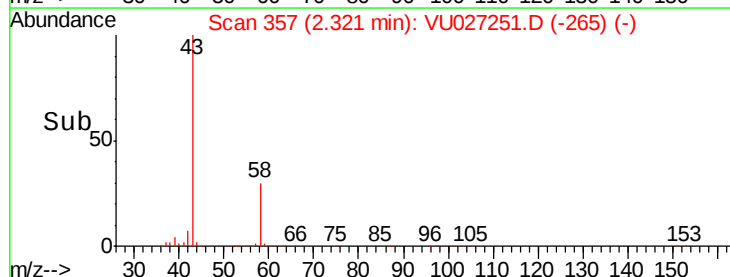
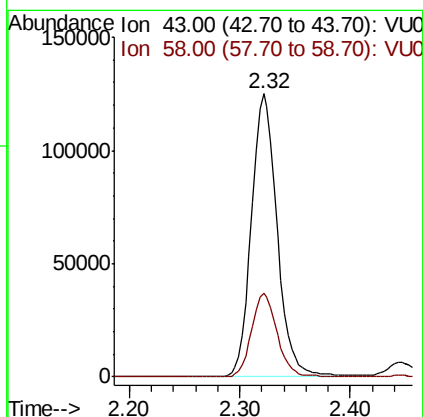
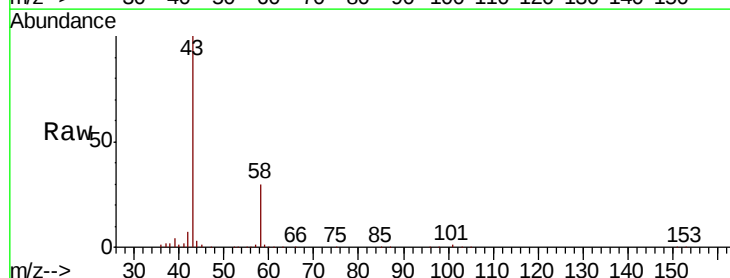
RT: 2.32 min Scan# 357

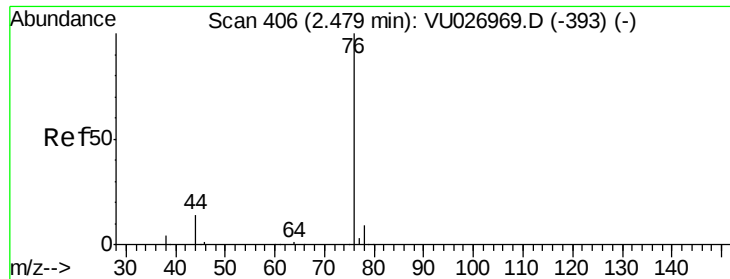
Delta R.T. -0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Tgt Ion:	43	Resp:	202041
Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.6	36.8





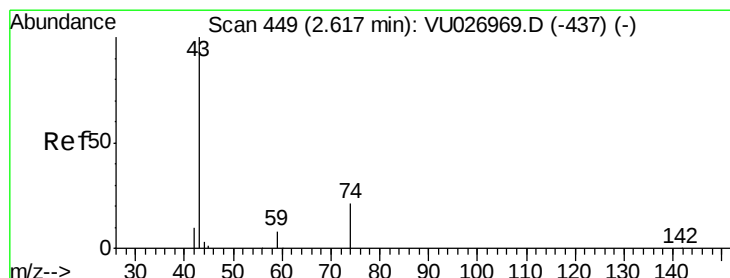
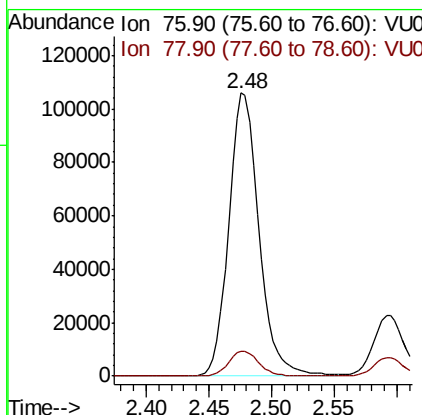
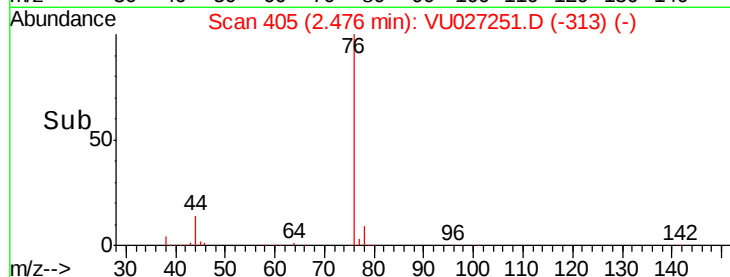
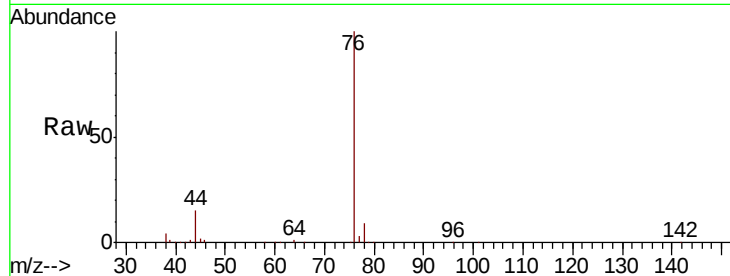
#17
Carbon Disulfide
Concen: 52.286 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW311I-20180919MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

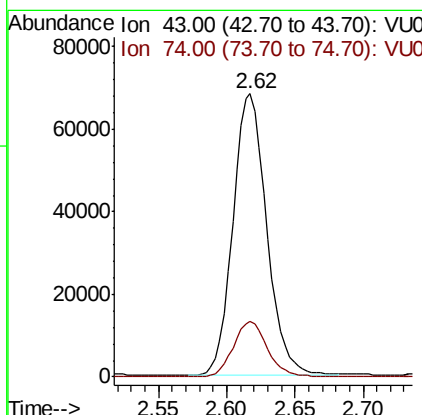
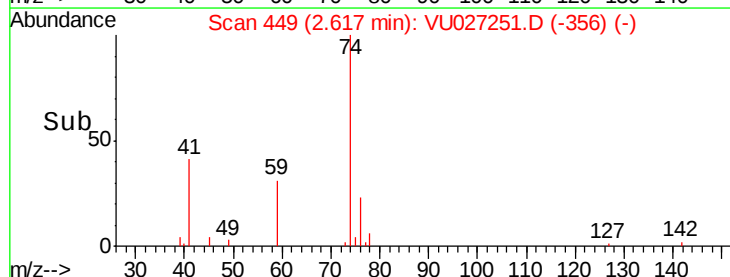
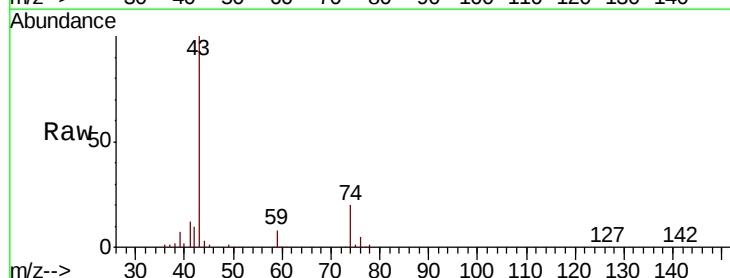
Manual Integrations
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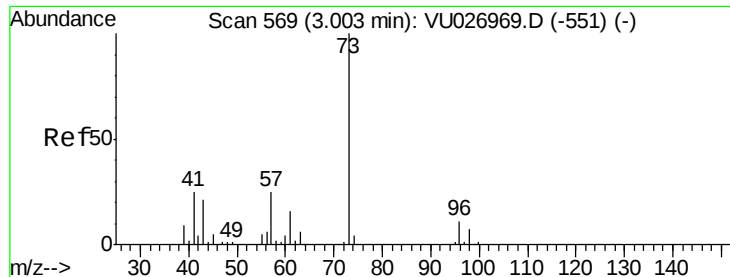
MMDadoda
10/2/2018 1:07:12 PM



#18
Methyl Acetate
Concen: 54.138 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	16.6	25.0





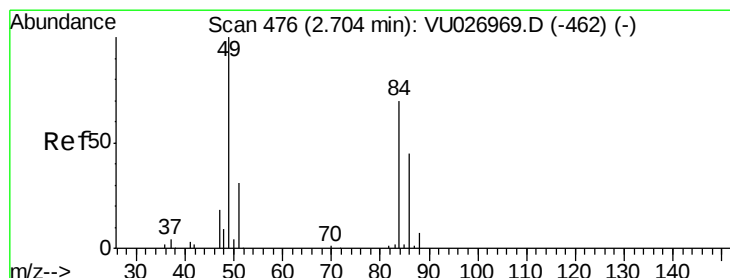
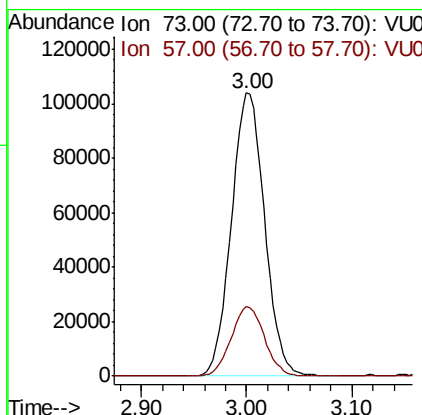
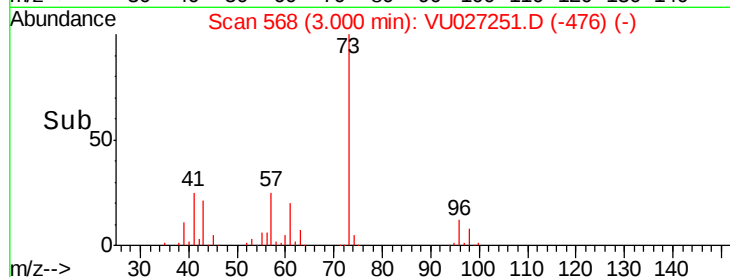
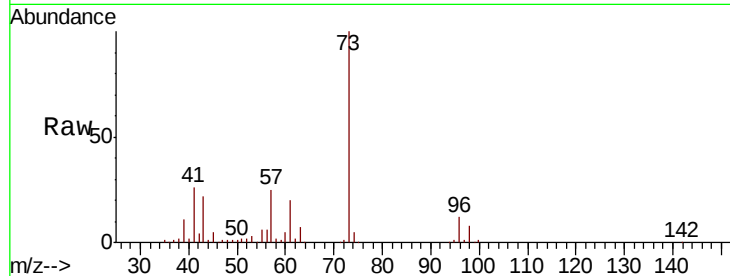
#19
Methyl tert-butyl Ether
Concen: 59.486 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW311I-20180919MS

Tot Ion: 73 Resp: 227371
Ion Ratio Lower Upper
73 100
57 24.5 19.8 29.6

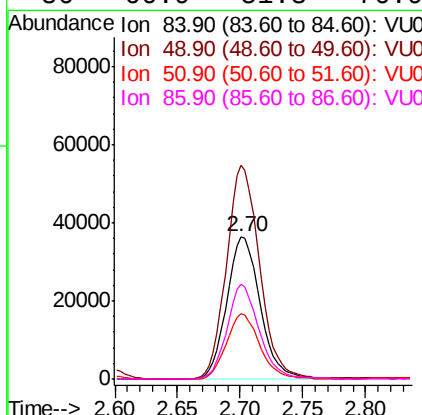
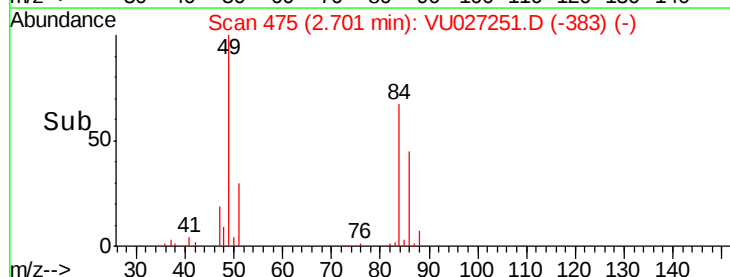
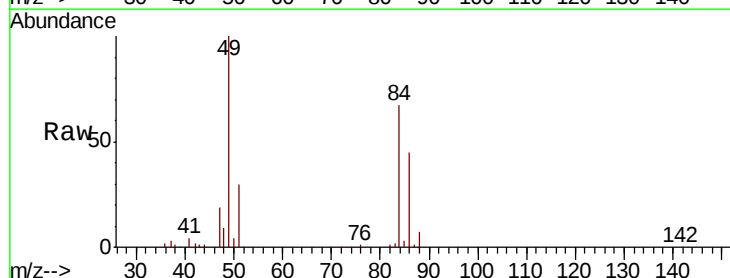
Manual Integrations
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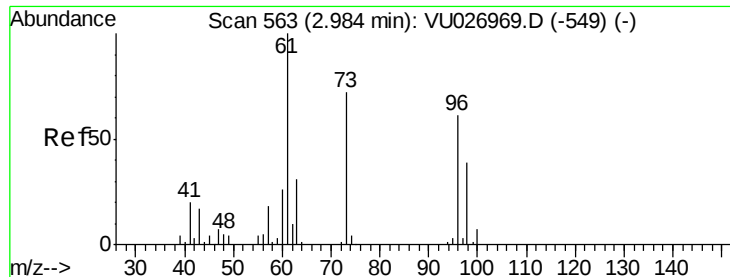
MMDadoda
10/2/2018 1:07:12 PM



#20
Methylene Chloride
Concen: 49.937 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Tgt Ion: 84 Resp: 67786
Ion Ratio Lower Upper
84 100
49 150.3 114.9 172.3
51 45.8 35.8 53.8
86 66.9 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 53.353 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW311I-20180919MS

Tot Ion: 96 Resp: 59249

Ion Ratio Lower Upper

96 100

61 164.7 131.8 197.6

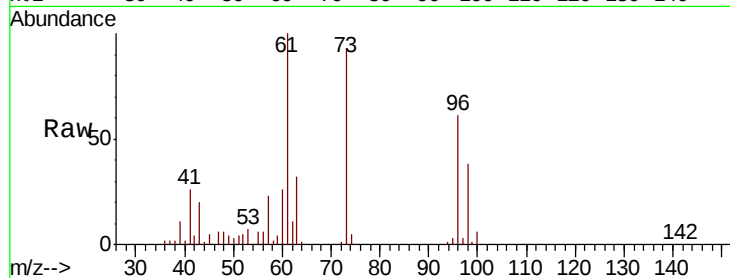
98 63.3 50.9 76.3

Manual Integrations

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MMDadoda

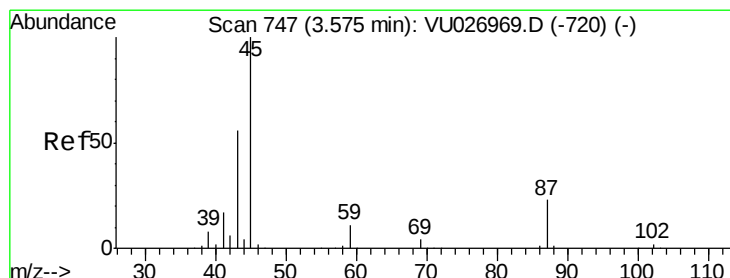
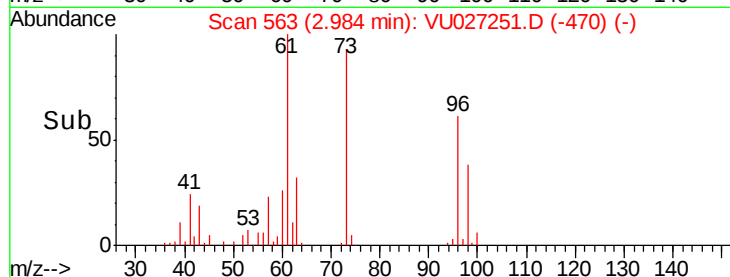
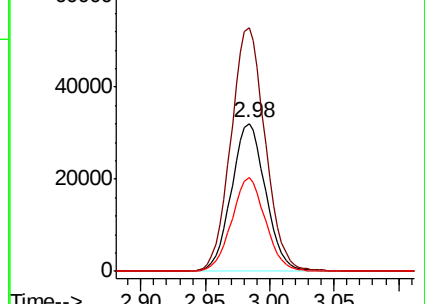
10/2/2018 1:07:12 PM



Abundance Ion 95.90 (95.60 to 96.60): VU026969.D (-549) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-549) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-549) (-)



#22

Diisopropyl ether

Concen: 58.179 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Tgt Ion: 45 Resp: 262522

Ion Ratio Lower Upper

45 100

43 54.1 45.8 68.6

87 21.9 18.6 28.0

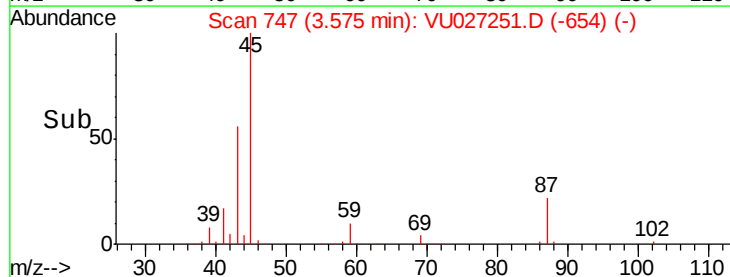
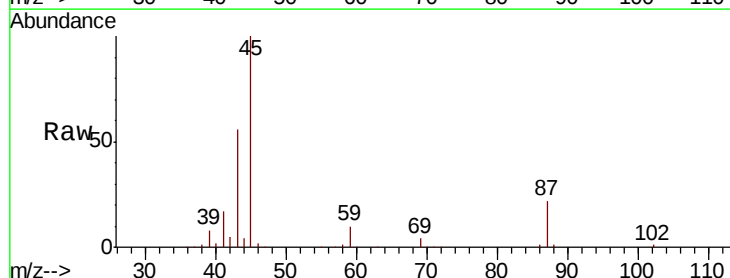
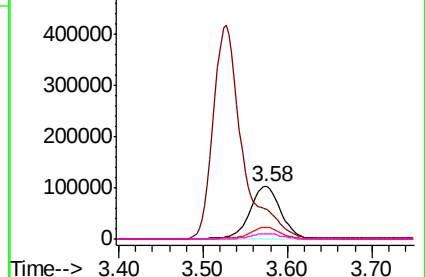
59 10.4 9.0 13.4

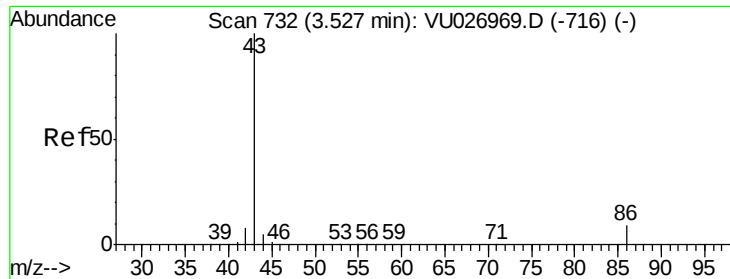
Abundance Ion 45.00 (44.70 to 45.70): VU026969.D (-720) (-)

Ion 43.00 (42.70 to 43.70): VU026969.D (-720) (-)

Ion 87.00 (86.70 to 87.70): VU026969.D (-720) (-)

Ion 59.00 (58.70 to 59.70): VU026969.D (-720) (-)





#23

Vinyl Acetate

Concen: 260.536 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Tot Ion: 43 Resp: 1002125

Ion Ratio Lower Upper

43 100

86 8.6 7.2 10.8

Instrument :

MSVOA_U

ClientSampleId :

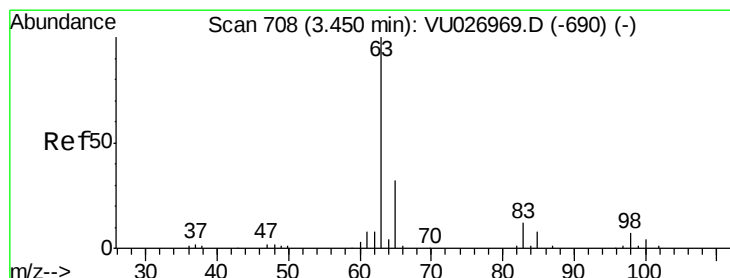
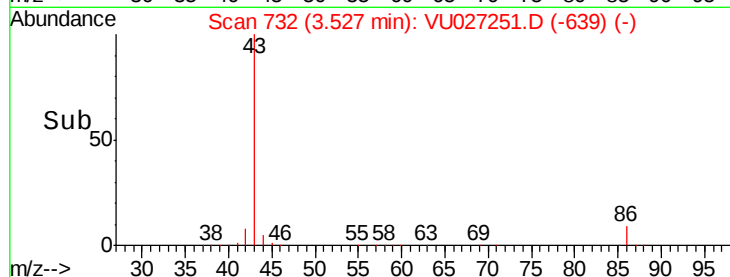
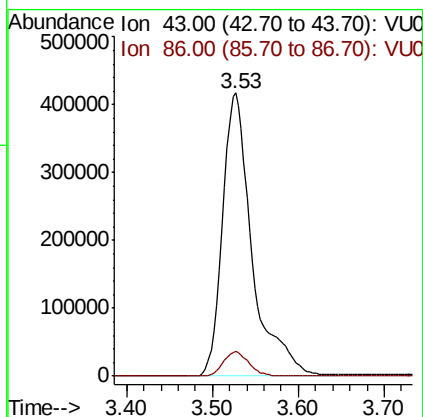
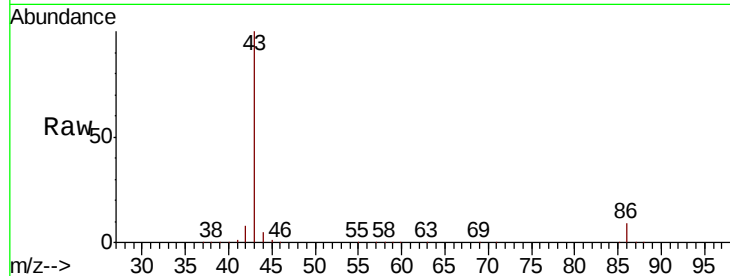
BPSI-TT-MW311I-20180919MS

Manual Integrations

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MMDadoda

10/2/2018 1:07:12 PM



#24

1,1-Dichloroethane

Concen: 54.519 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

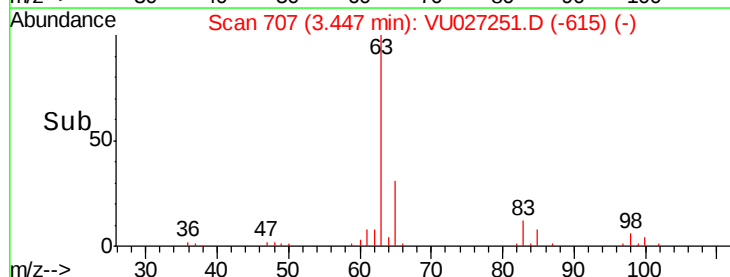
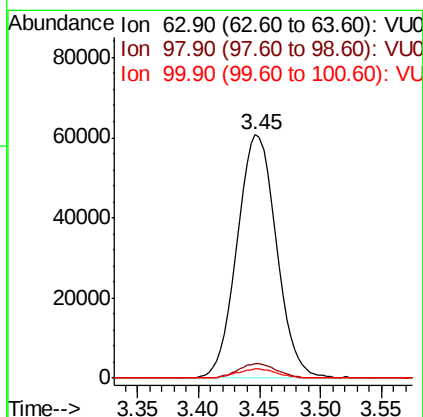
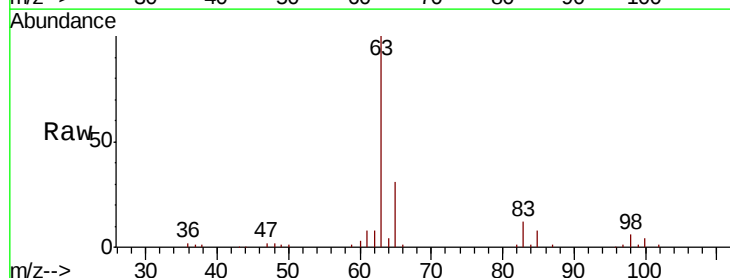
Tgt Ion: 63 Resp: 135490

Ion Ratio Lower Upper

63 100

98 5.7 3.3 9.8

100 3.7 2.0 5.8





#25

2-Butanone

Concen: 269.596 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW311I-20180919MS

Tot Ion: 43 Resp: 343409

Ion Ratio Lower Upper

43 100

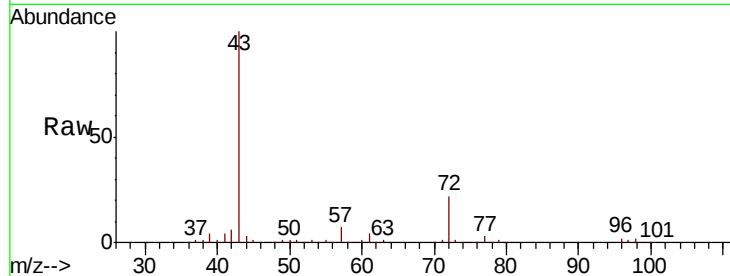
72 22.4 18.4 27.6

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

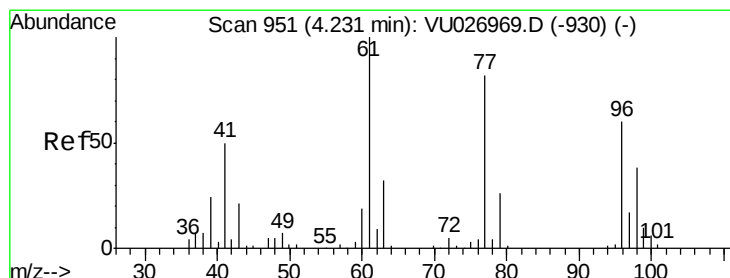
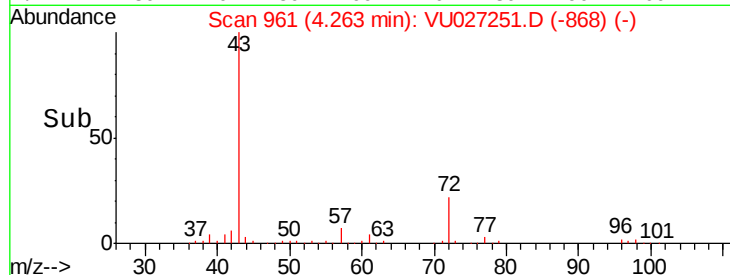
100000

50000

0

4.10 4.20 4.30 4.40

Time-->



#26

2,2-Dichloropropane

Concen: 41.911 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027251.D

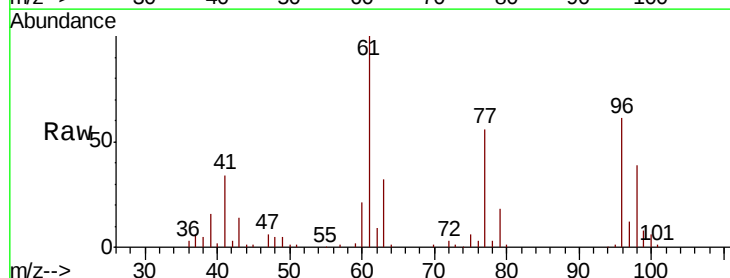
Acq: 28 Sep 2018 02:02

Tgt Ion: 77 Resp: 81230

Ion Ratio Lower Upper

77 100

97 22.4 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

30000

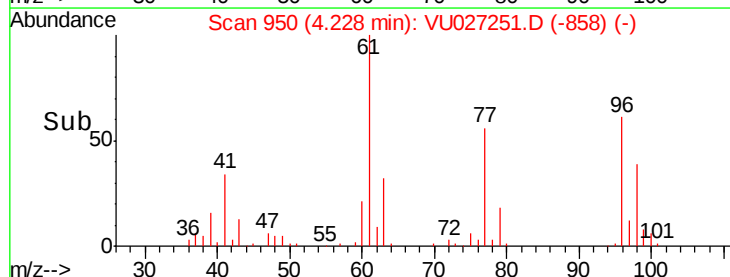
20000

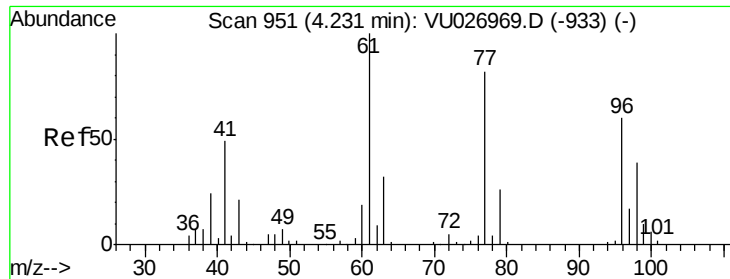
10000

0

4.10 4.20 4.30

Time-->





#27

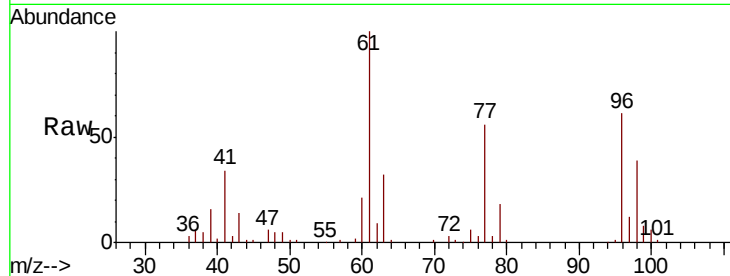
cis-1,2-Dichloroethene
Concen: 63.735 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW311I-20180919MS

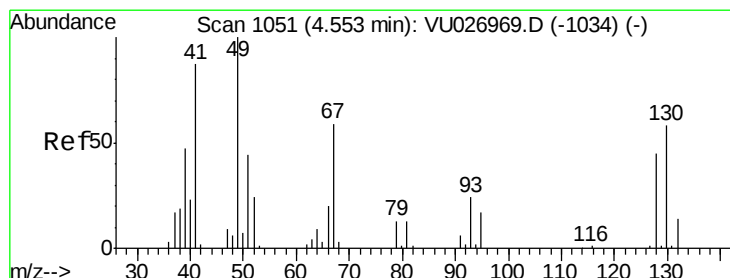
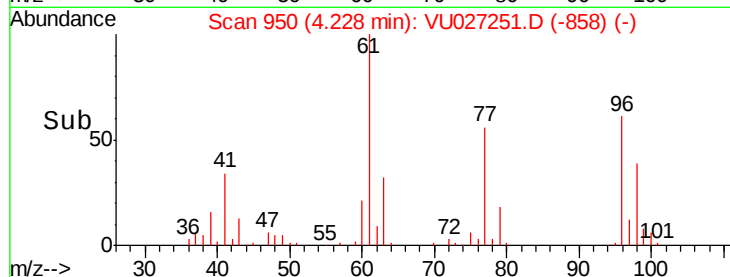
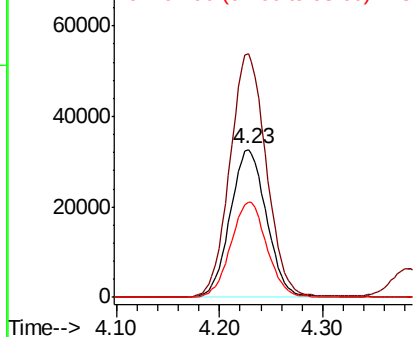
Tot Ion	Ratio	Lower	Upper
96	100		
61	165.4	0.0	337.2
98	64.1	0.0	127.6

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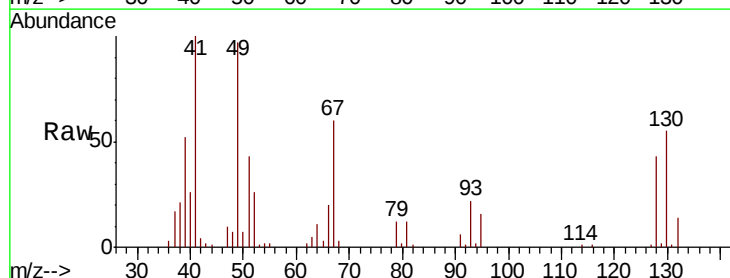
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



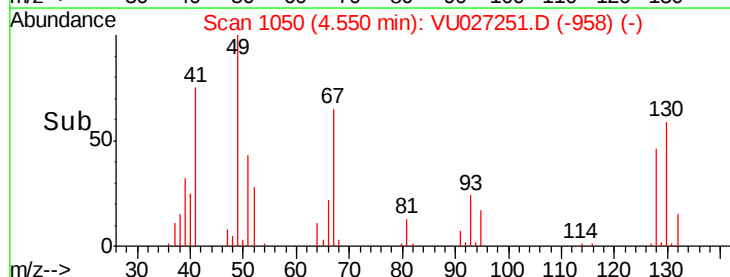
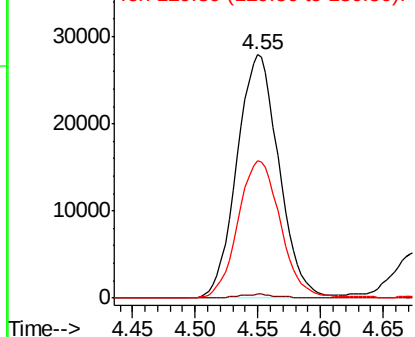
#28

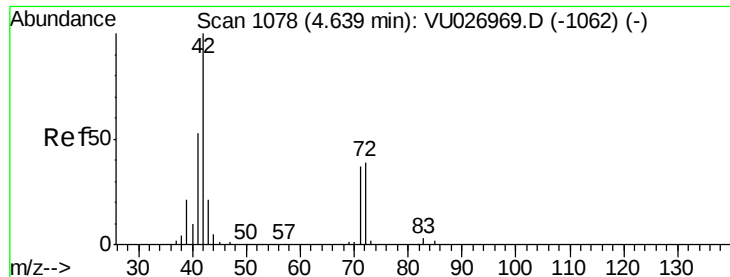
Bromochloromethane
Concen: 54.376 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	56.9	47.8	71.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





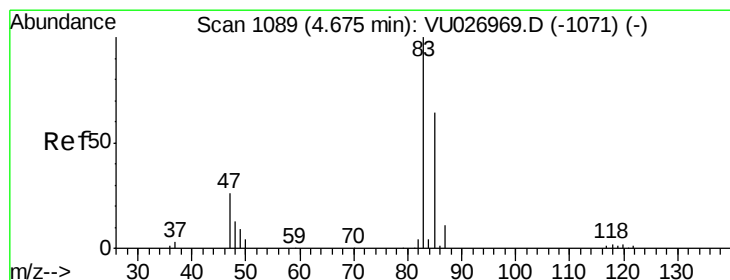
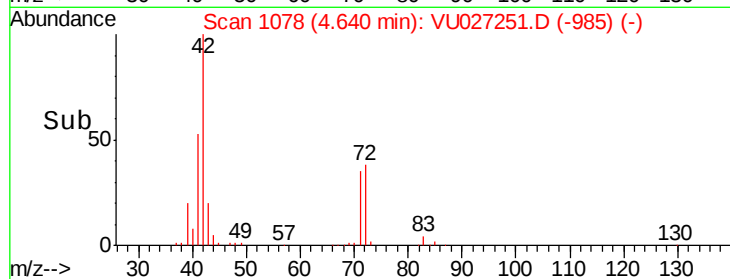
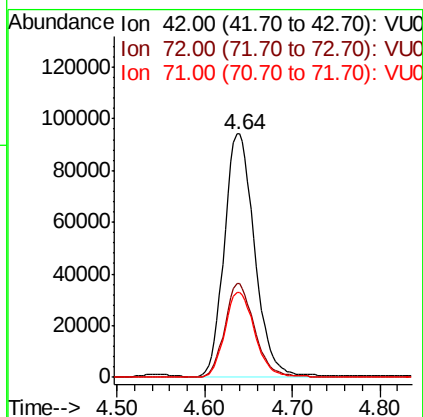
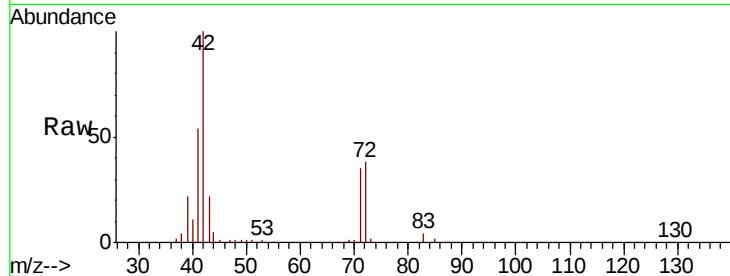
#29
Tetrahydrofuran
Concen: 293.207 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW311I-20180919MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.1	31.7	47.5
71	34.7	29.6	44.4

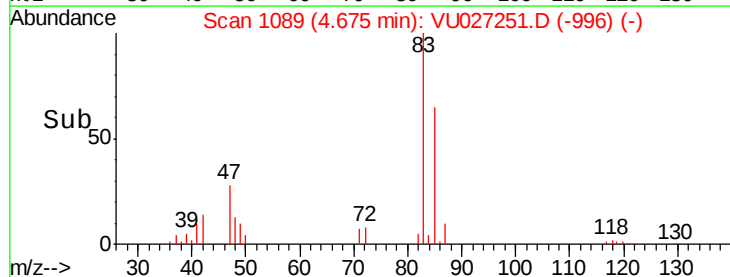
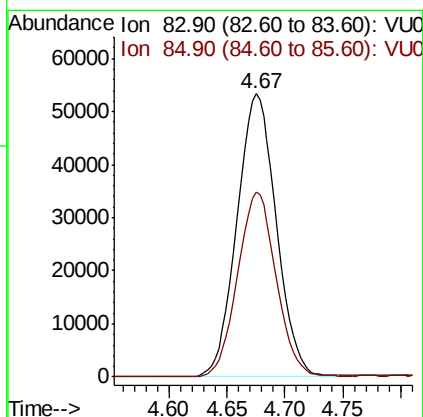
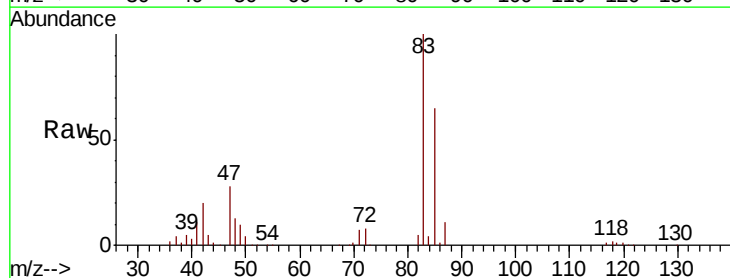
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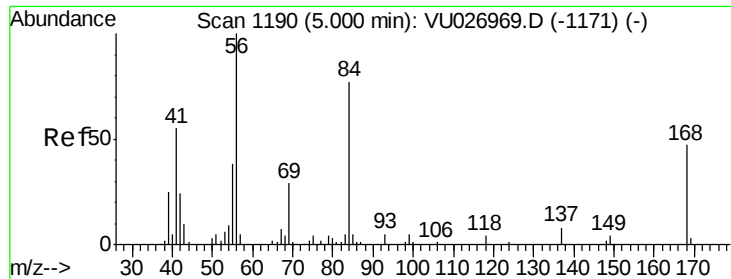
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#30
Chloroform
Concen: 54.518 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.5	77.3





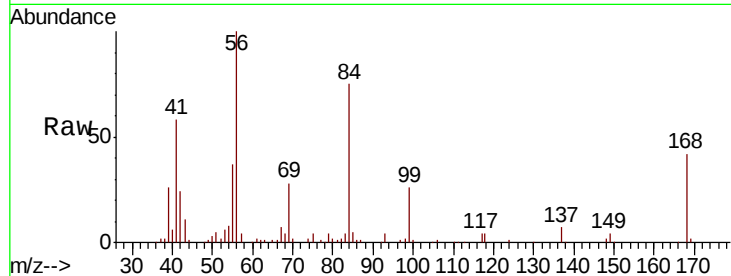
#31
Cyclohexane
Concen: 53.153 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW311I-20180919MS

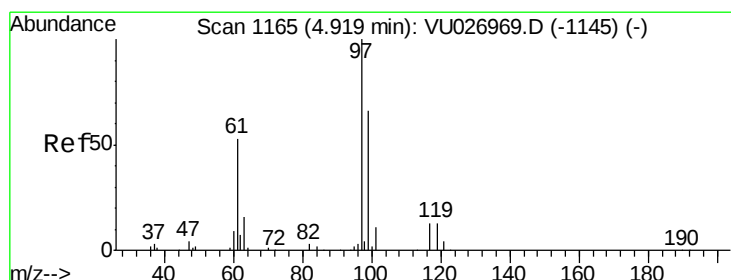
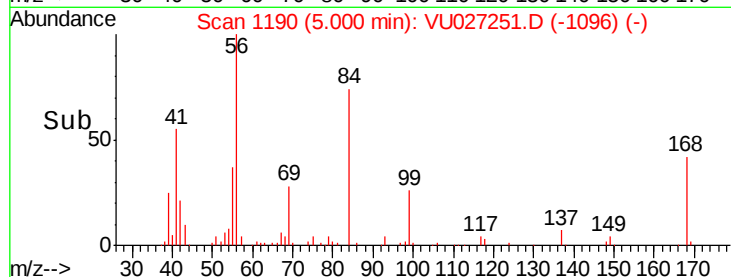
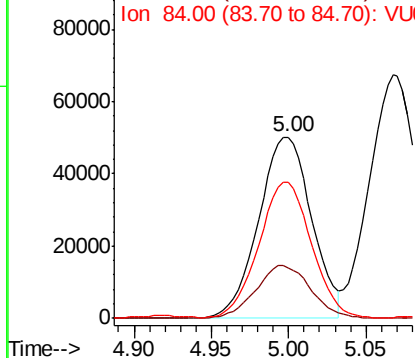
Tot Ion	Ratio	Lower	Upper
56	100		
69	27.9	23.0	34.4
84	74.1	61.4	92.2

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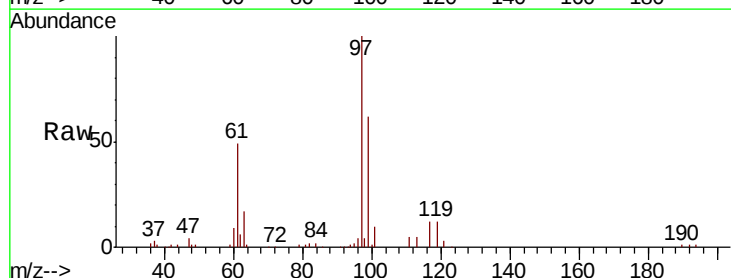


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

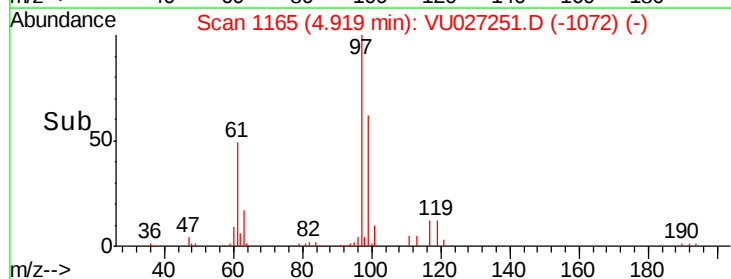
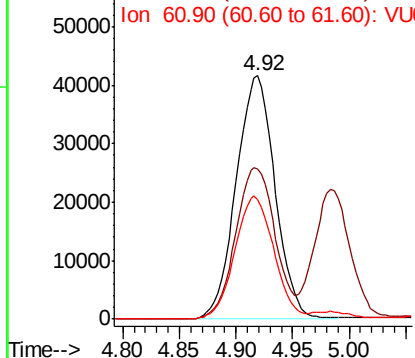


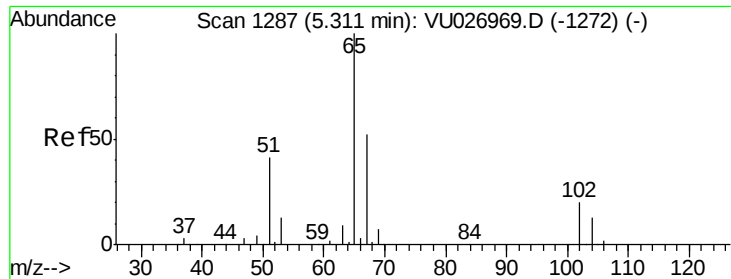
#32
1,1,1-Trichloroethane
Concen: 54.142 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.8	77.6
61	50.7	41.1	61.7



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





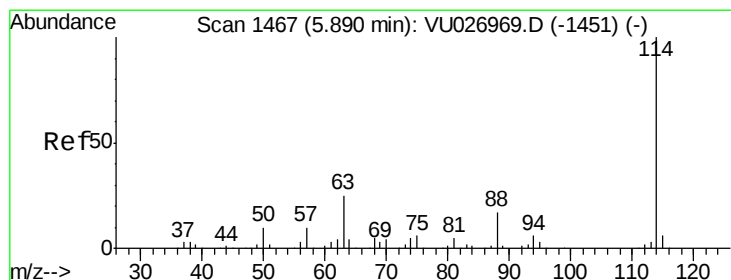
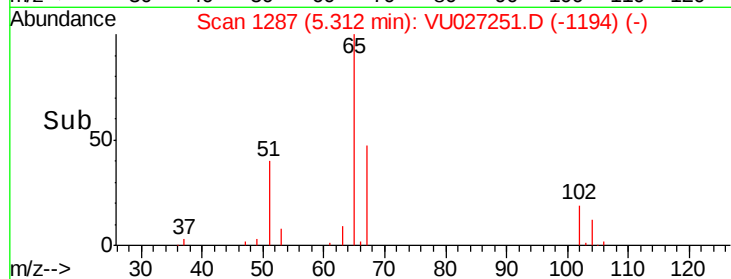
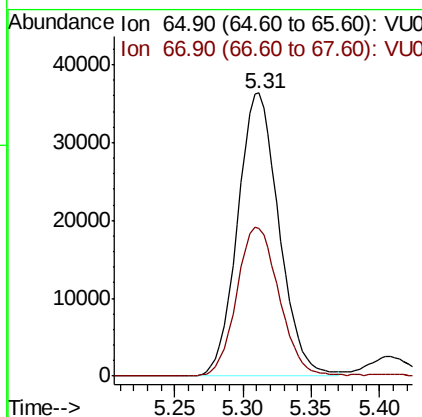
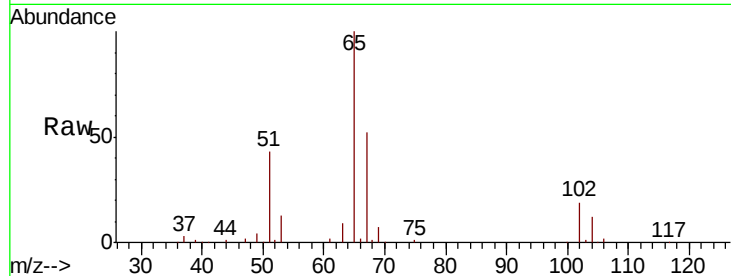
#33
 1,2-Dichloroethane-d4
 Concen: 50.546 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027251.D
 Acq: 28 Sep 2018 02:02

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW311I-20180919MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	105.6

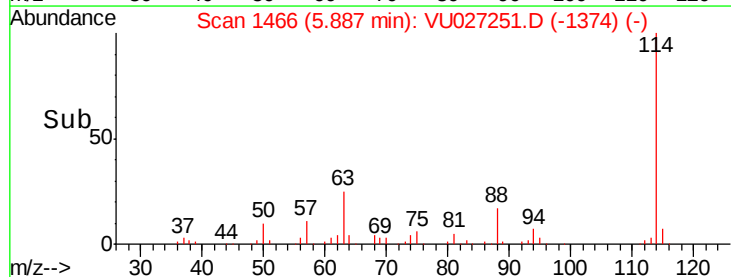
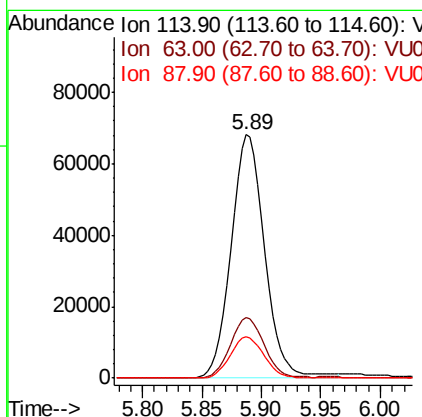
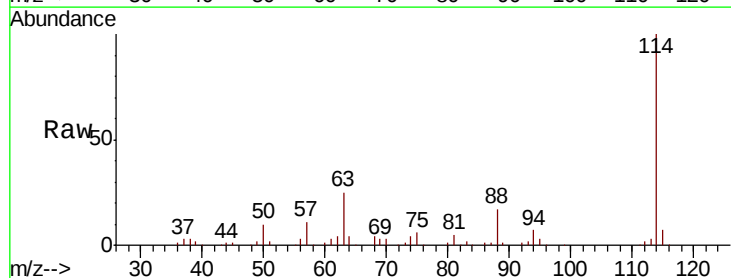
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027251.D
 Acq: 28 Sep 2018 02:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.8	0.0	49.2
88	17.1	0.0	33.8





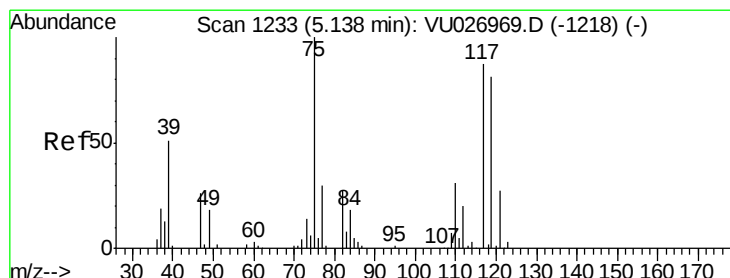
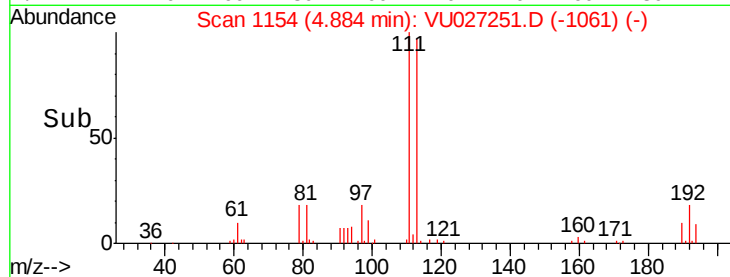
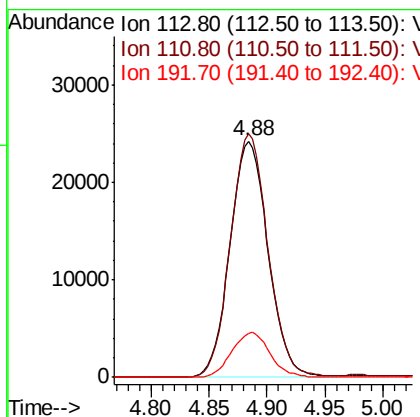
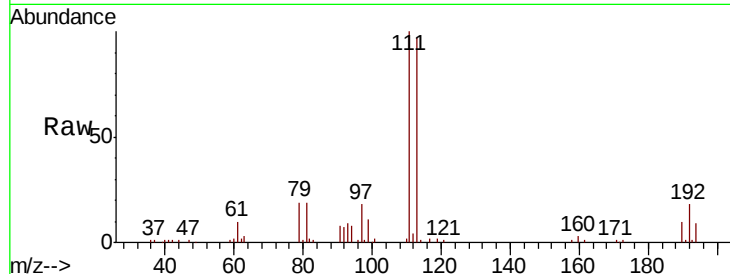
#35
 Dibromofluoromethane
 Concen: 47.827 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027251.D
 Acq: 28 Sep 2018 02:02

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW311I-20180919MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.2	123.4
192	18.8	15.2	22.8

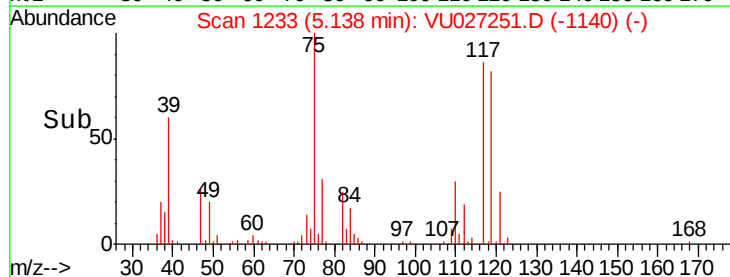
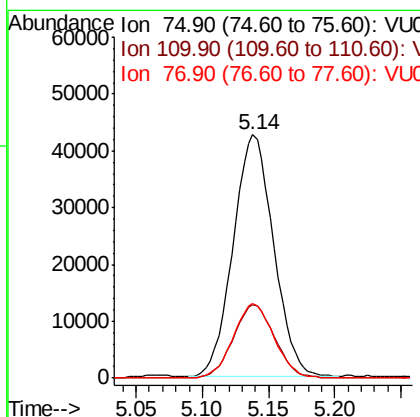
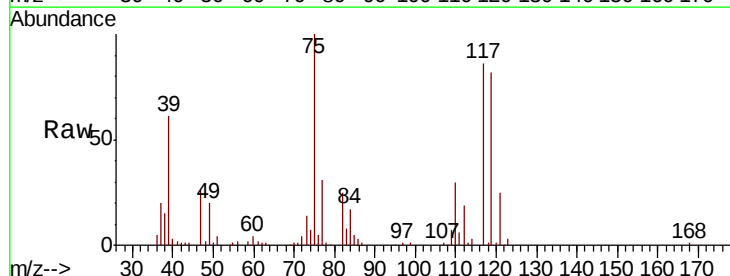
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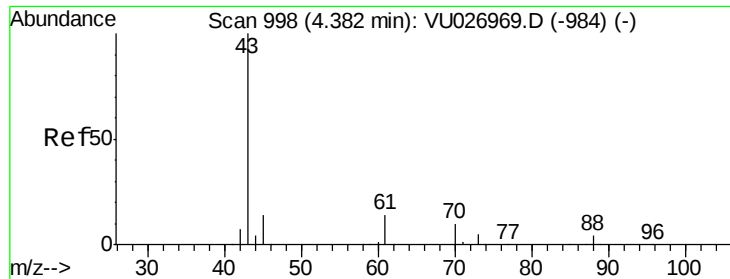
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#36
 1,1-Dichloropropene
 Concen: 50.555 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027251.D
 Acq: 28 Sep 2018 02:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.0	16.1	48.2
77	30.4	24.6	36.8





#37

Ethyl Acetate

Concen: 47.143 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Instrument :

MSVOA_U

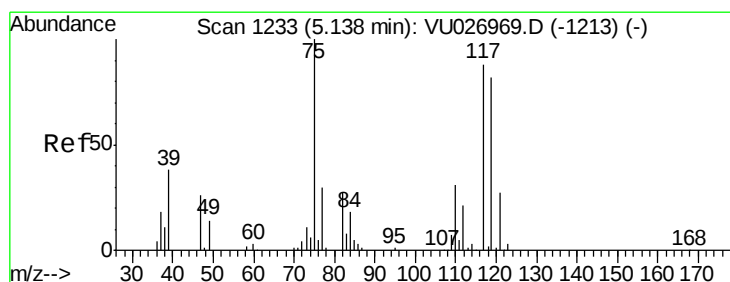
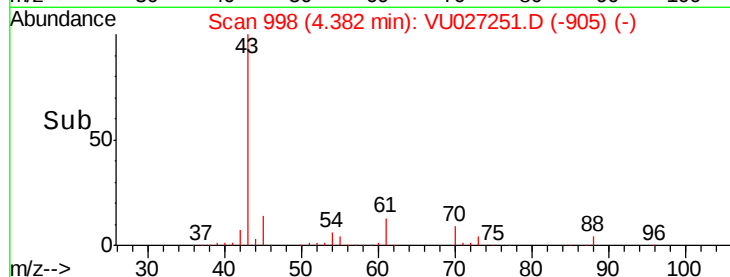
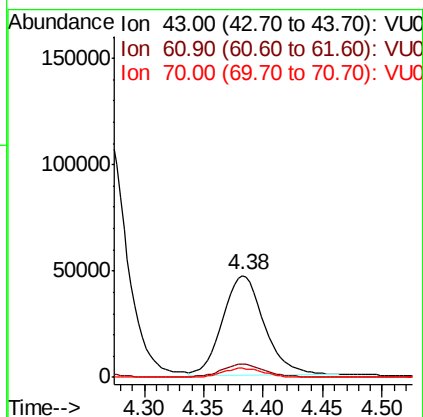
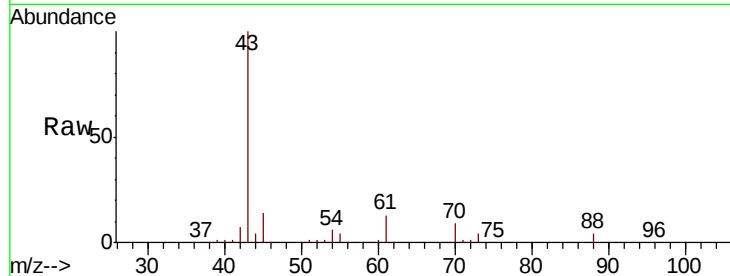
ClientSampleId :

BPSI-TT-MW311I-20180919MS

Tot Ion:	43	Resp:	113790
Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.5	15.7
70	9.1	7.4	11.0

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#38

Carbon Tetrachloride

Concen: 49.813 ug/l

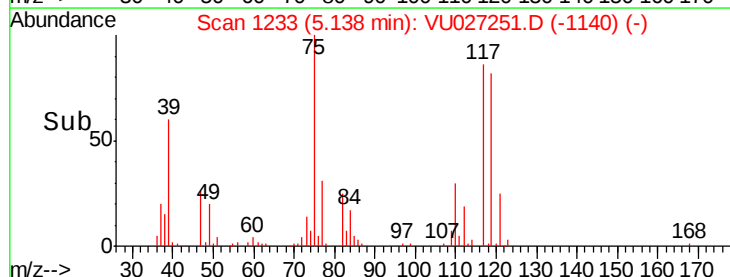
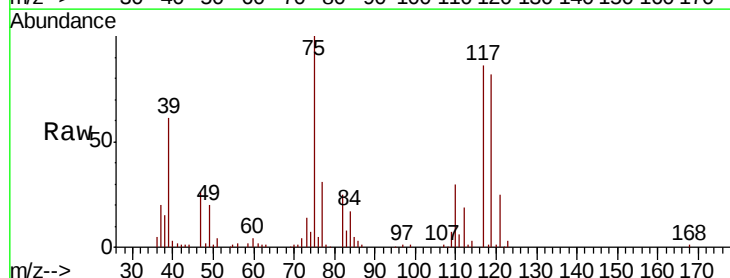
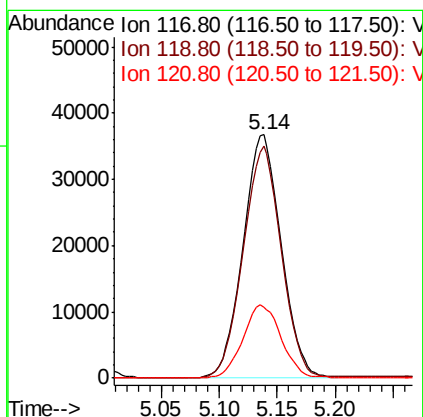
RT: 5.14 min Scan# 1233

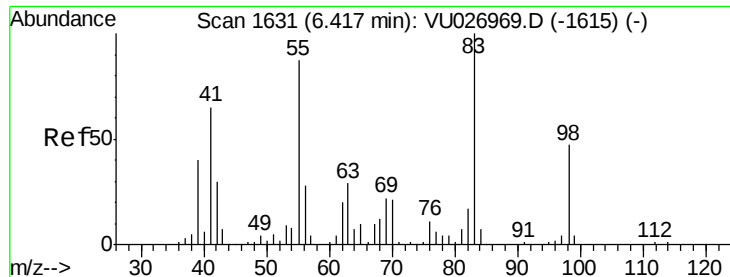
Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Tgt Ion:	117	Resp:	84522
Ion	Ratio	Lower	Upper
117	100		
119	95.4	74.4	111.6
121	29.3	24.2	36.4





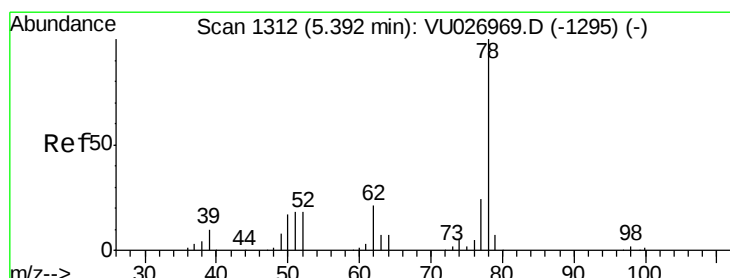
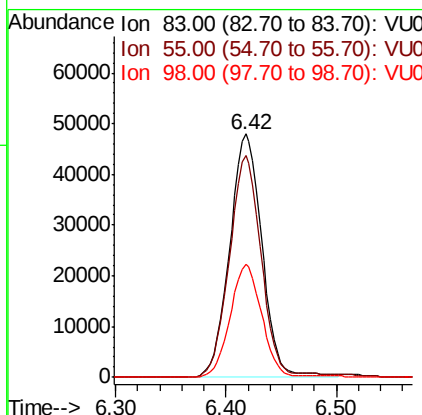
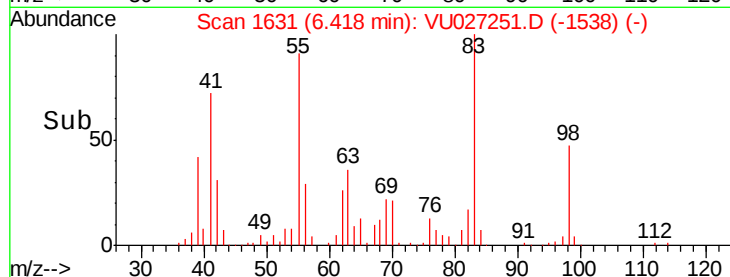
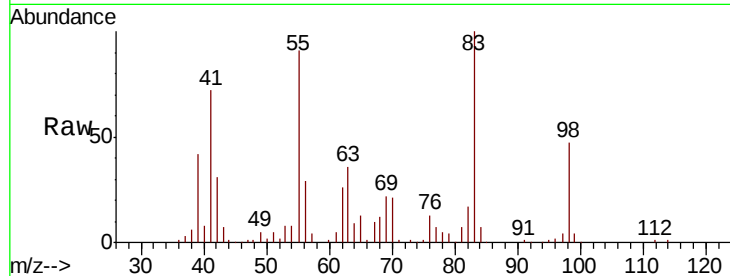
#39
Methylvlcyclohexane
Concen: 50.283 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW311I-20180919MS

Tot Ion	83.00	Resp	97430
Ion Ratio	Lower	Upper	
83	100		
55	91.2	69.9	104.9
98	46.6	37.5	56.3

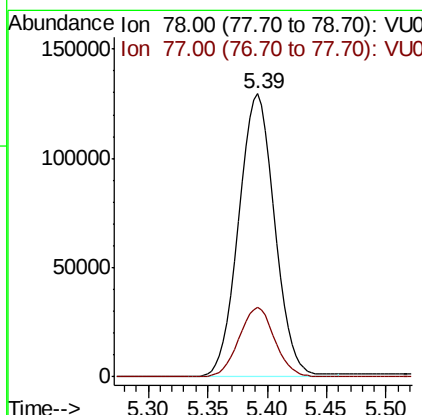
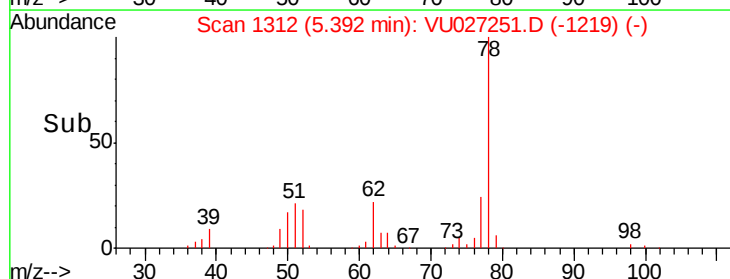
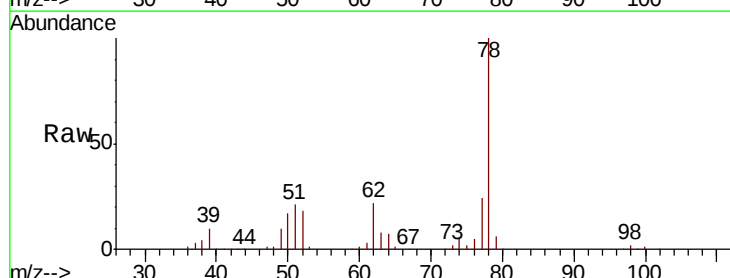
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#40
Benzene
Concen: 50.454 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Tgt Ion	78.00	Resp	273479
Ion Ratio	Lower	Upper	
78	100		
77	24.4	19.4	29.0





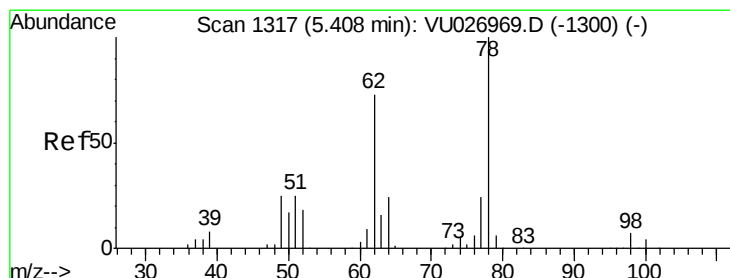
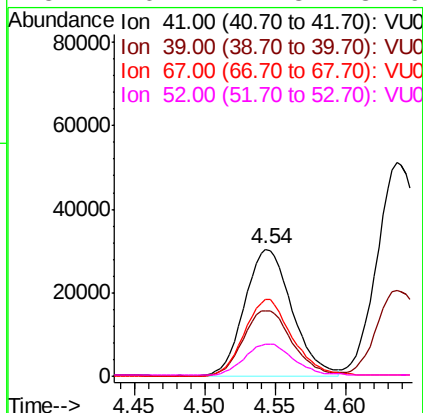
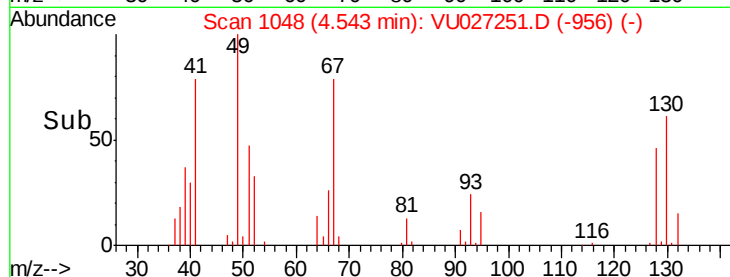
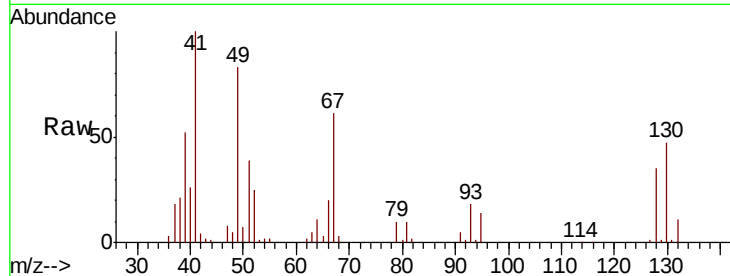
#41
Methacrylonitrile
Concen: 56.718 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW311I-20180919MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.5	42.9	64.3	
67	62.3	52.4	78.6	
52	26.2	21.3	31.9	

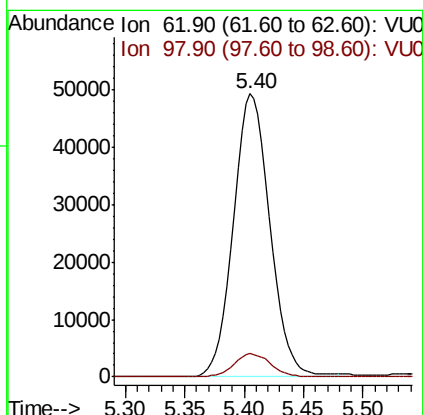
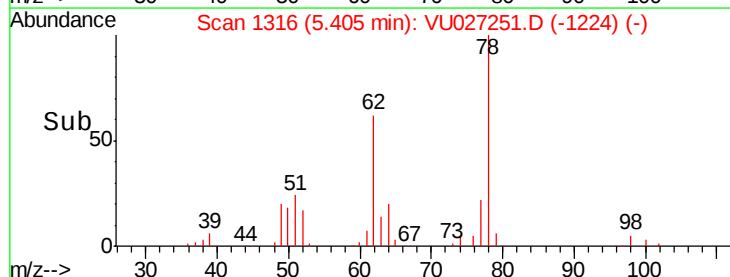
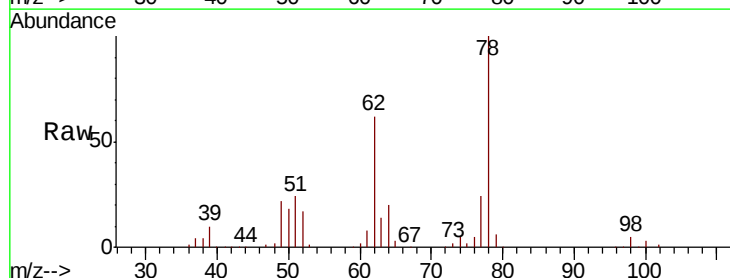
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 51.358 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	17.0	





#43

Isopropyl Acetate

Concen: 51.423 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Instrument :

MSVOA_U

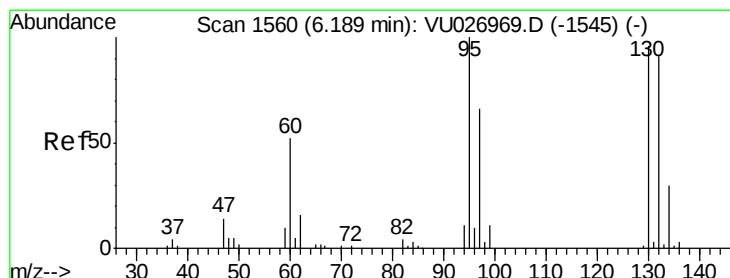
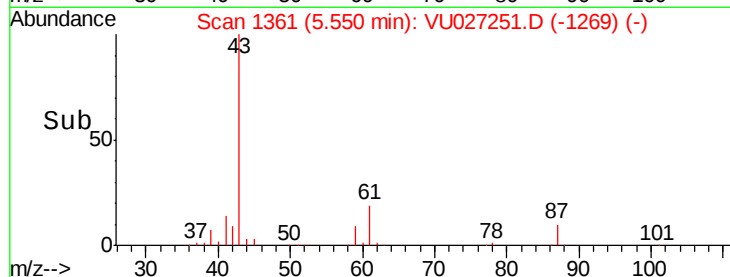
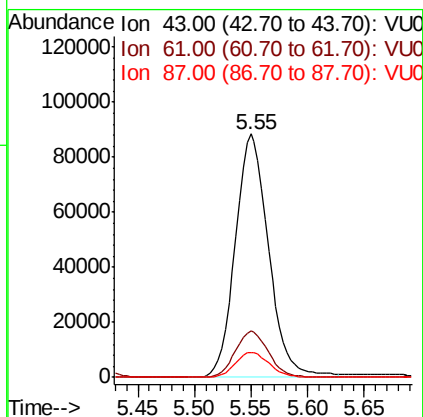
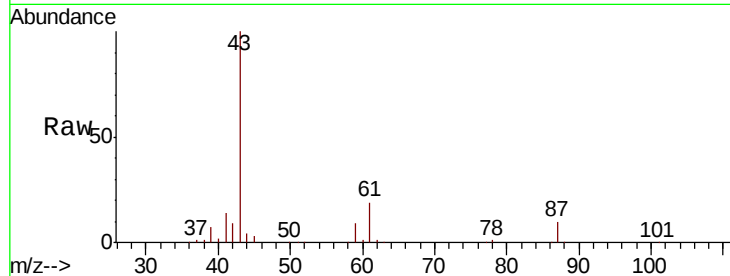
ClientSampleId :

BPSI-TT-MW311I-20180919MS

Tot Ion:	43	Resp:	181017
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.7	23.5
87	10.6	9.0	13.4

Manual Integrations
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#44

Trichloroethene

Concen: 52.537 ug/l

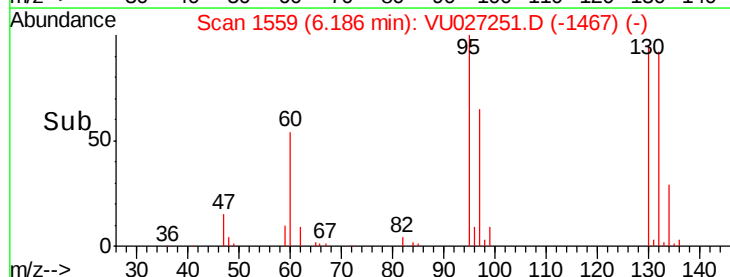
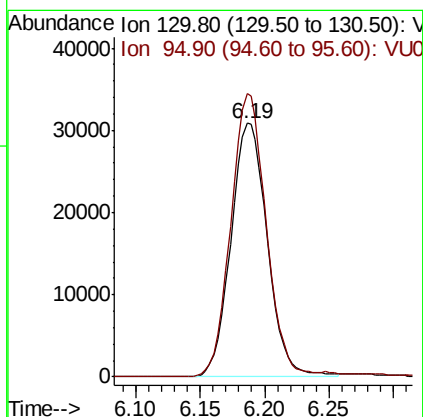
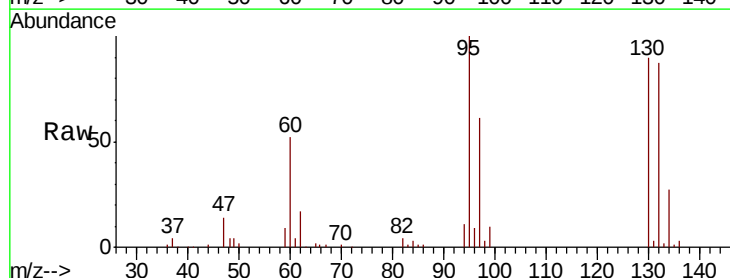
RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Tgt Ion:	130	Resp:	60625
Ion	Ratio	Lower	Upper
130	100		
95	111.7	0.0	208.8





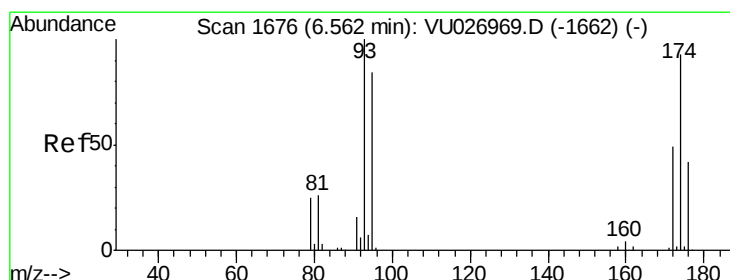
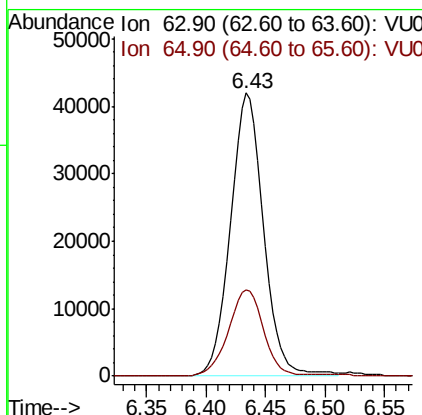
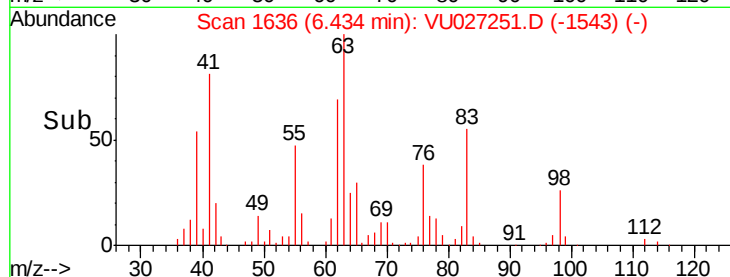
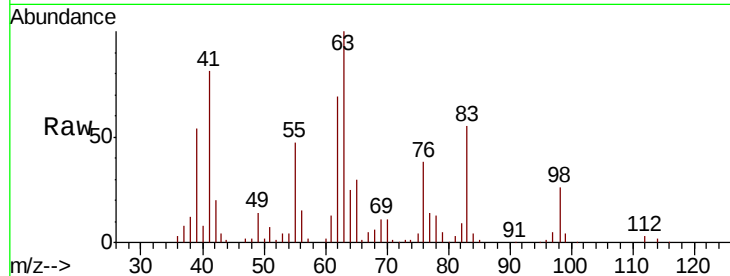
#45
 1,2-Dichloropropane
 Concen: 52.368 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027251.D
 Acq: 28 Sep 2018 02:02

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW311I-20180919MS

Tot Ion: 63 Resp: 80879
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.3 36.5

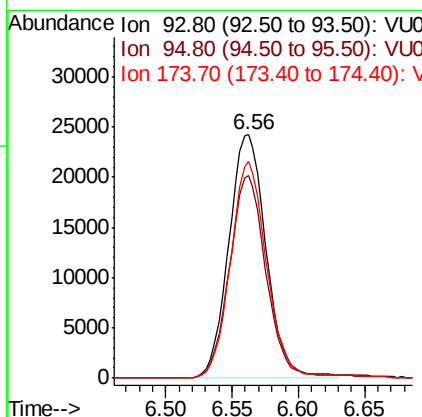
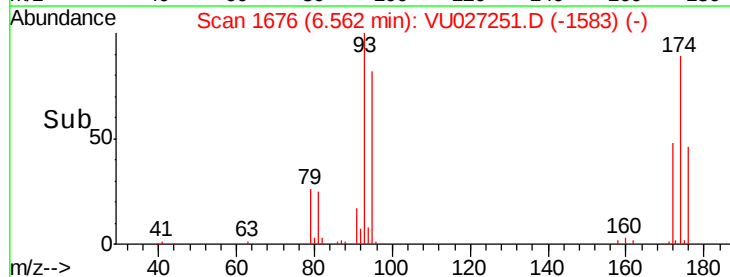
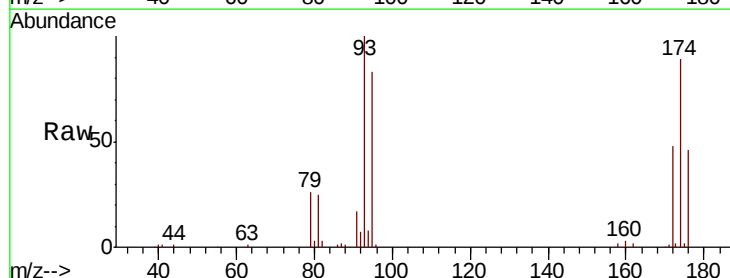
Manual Integrations
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#46
 Dibromomethane
 Concen: 50.878 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027251.D
 Acq: 28 Sep 2018 02:02

Tgt Ion: 93 Resp: 47457
 Ion Ratio Lower Upper
 93 100
 95 81.3 66.2 99.4
 174 86.4 71.7 107.5





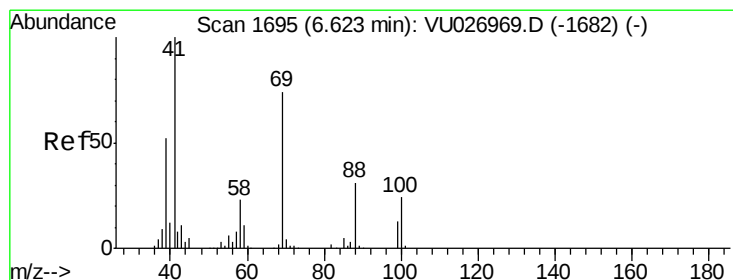
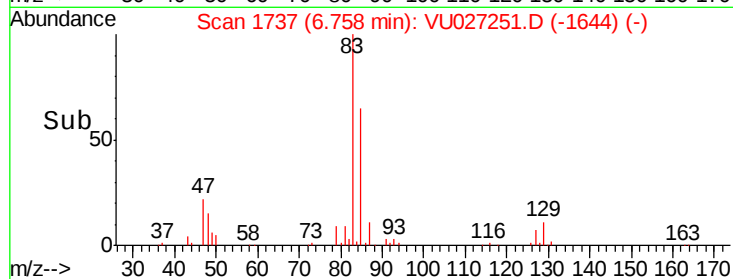
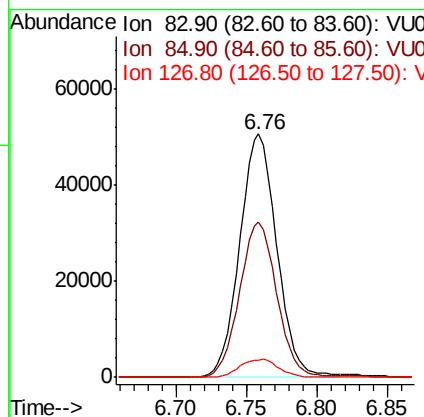
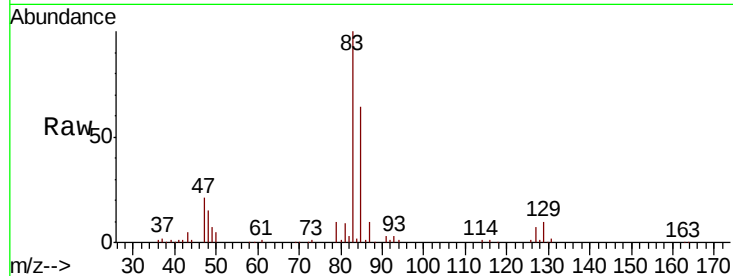
#47
 Bromodichloromethane
 Concen: 49.665 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027251.D
 Acq: 28 Sep 2018 02:02

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW311I-20180919MS

Tot Ion	83	Resp	93672
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	52.5	78.7
127	7.2	6.3	9.5

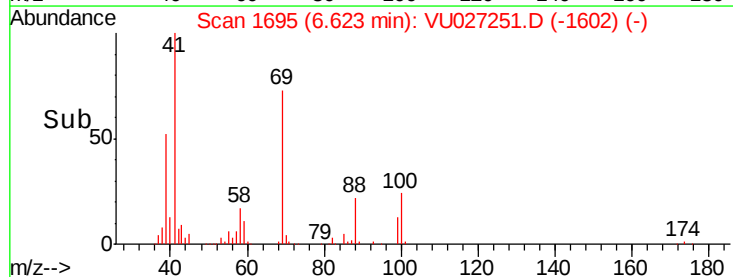
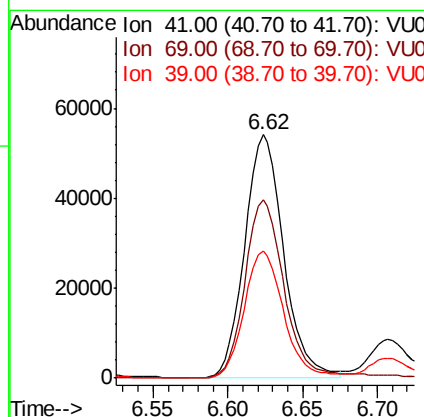
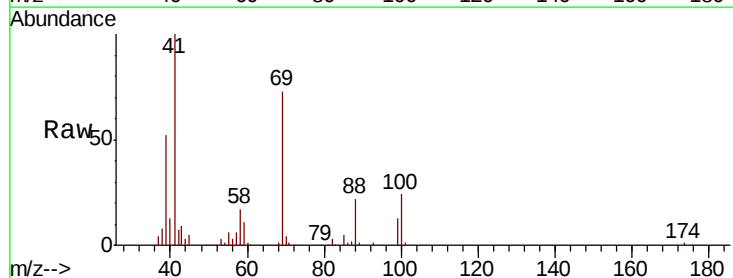
Manual Integrations
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#48
 Methyl methacrylate
 Concen: 51.374 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU027251.D
 Acq: 28 Sep 2018 02:02

Tgt Ion	41	Resp	98483
Ion Ratio	100	Lower	Upper
41	100		
69	73.1	60.6	90.8
39	52.9	42.8	64.2





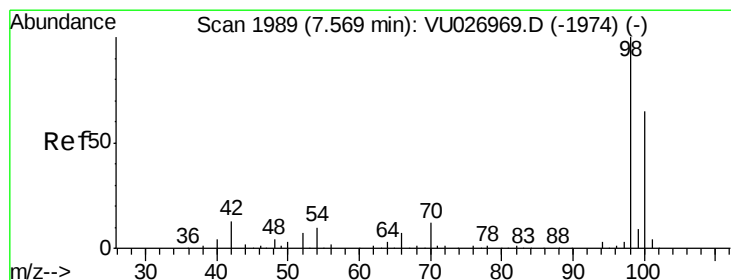
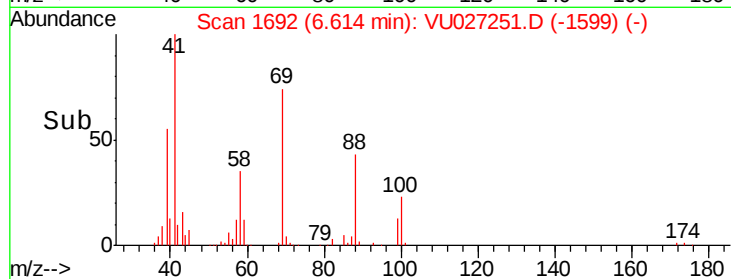
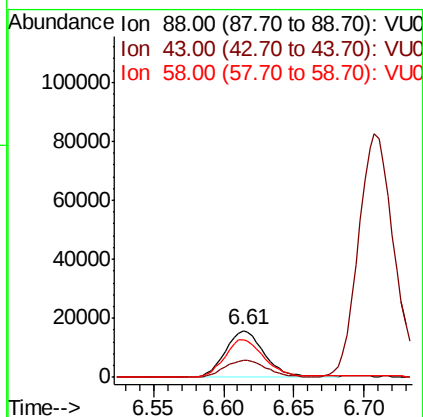
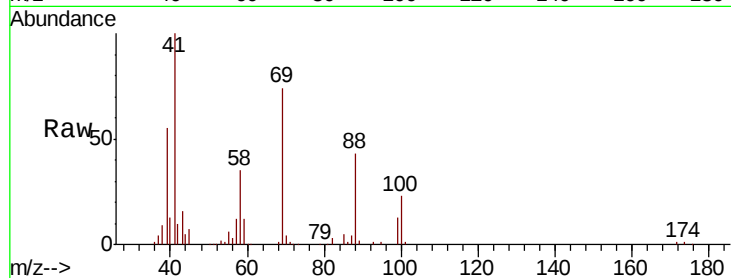
#49
1,4-Dioxane
Concen: 809.162 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW311I-20180919MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.7	29.8	44.8
58	82.2	63.9	95.9

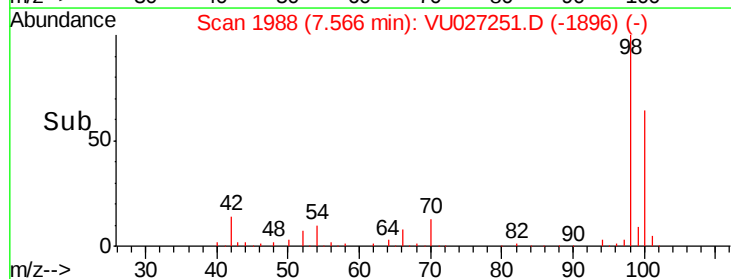
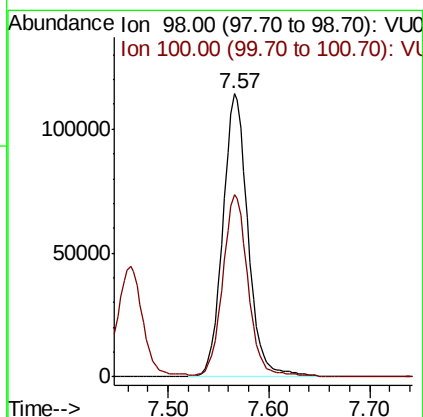
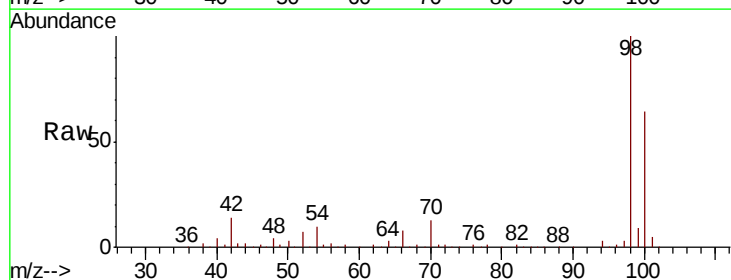
Manual Integrations
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#50
Toluene-d8
Concen: 45.235 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 276.559 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW311I-20180919MS

Tot Ion: 43 Resp: 654756

Ion Ratio Lower Upper

43 100

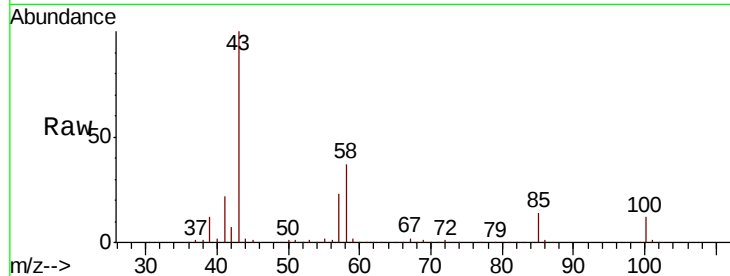
58 36.9 29.8 44.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

400000

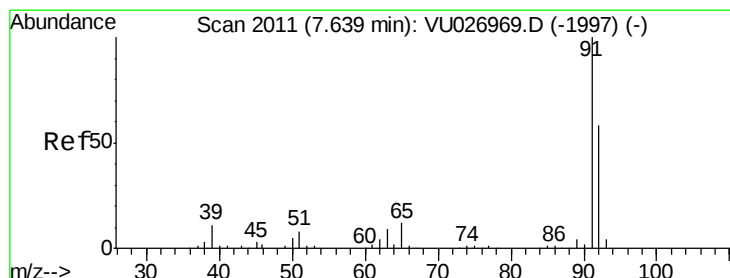
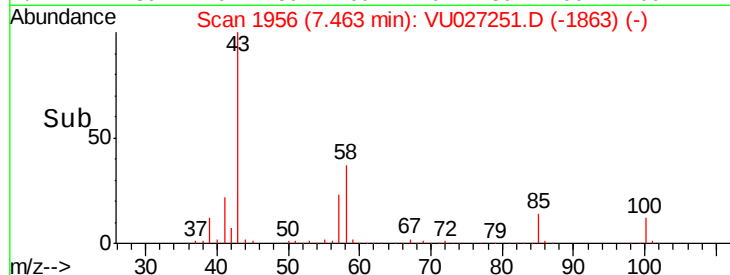
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.869 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027251.D

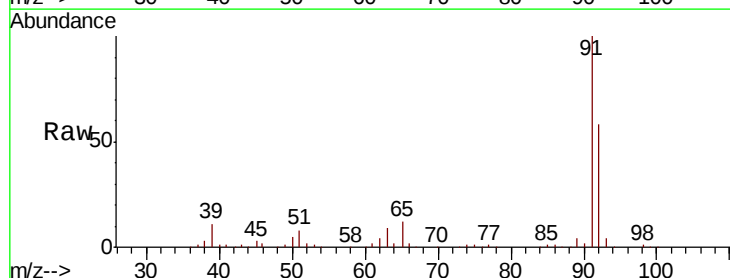
Acq: 28 Sep 2018 02:02

Tgt Ion: 92 Resp: 164260

Ion Ratio Lower Upper

92 100

91 172.0 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

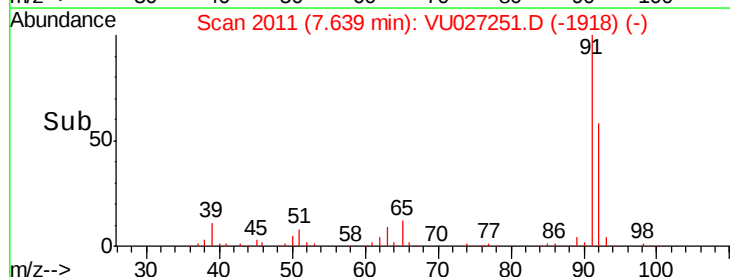
150000

100000

50000

0

Time-->





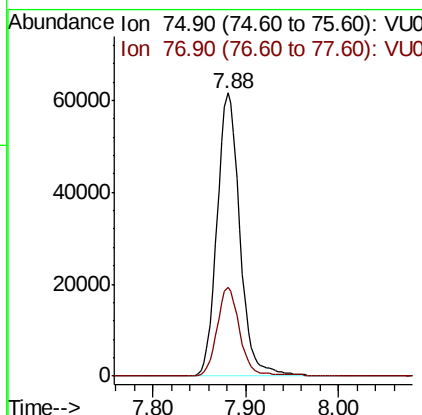
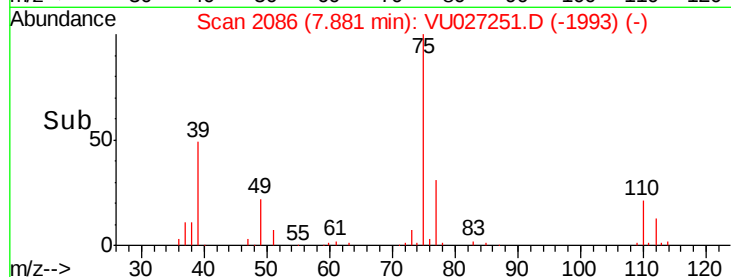
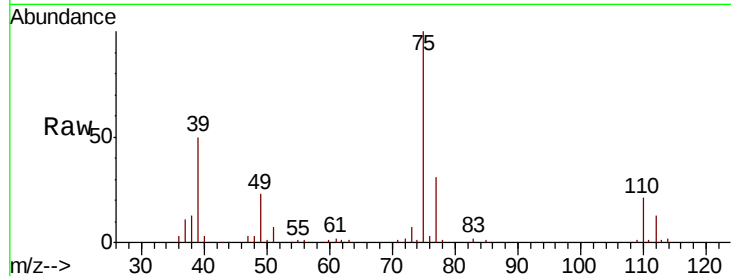
#53
t-1,3-Dichloropropene
Concen: 52.032 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW311I-20180919MS

Tot Ion: 75 Resp: 105440
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9

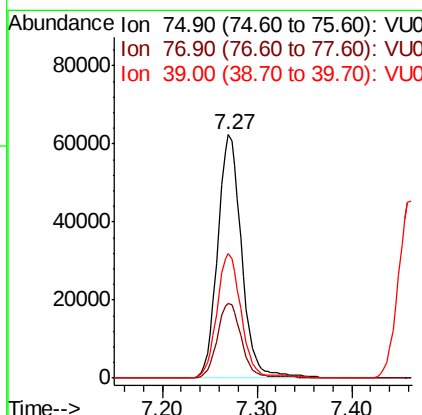
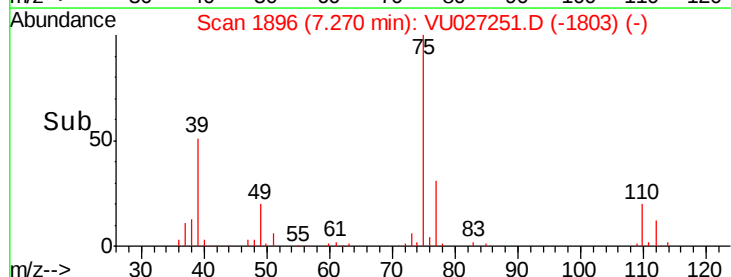
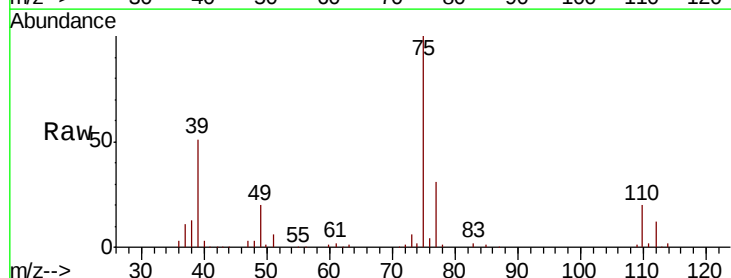
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 49.348 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Tgt Ion: 75 Resp: 109954
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.0
39 51.1 41.6 62.4





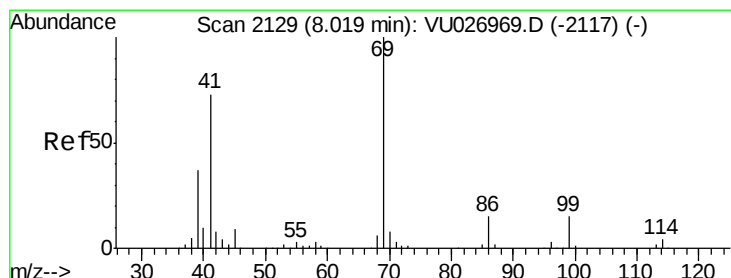
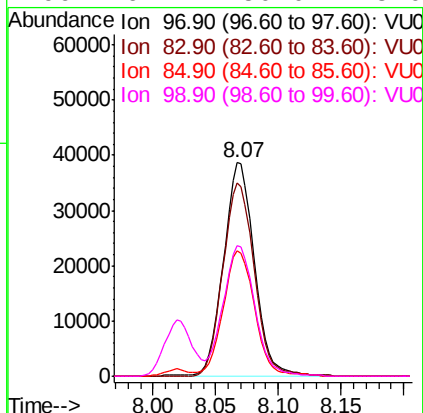
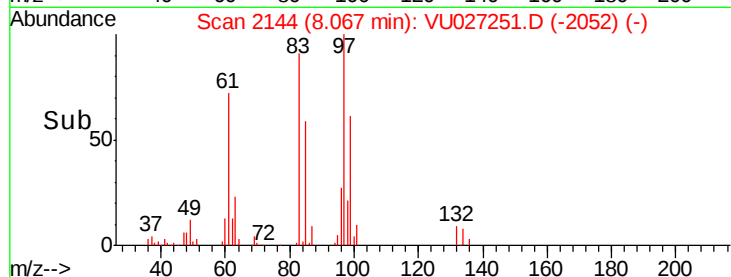
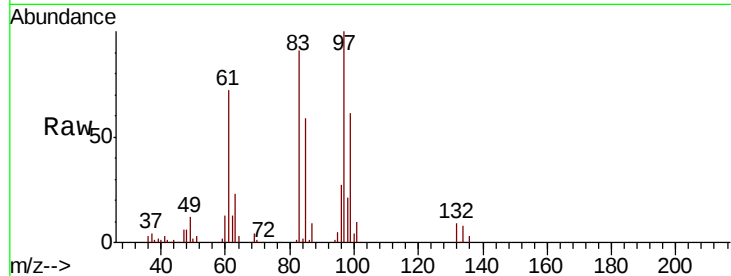
#55
 1,1,2-Trichloroethane
 Concen: 50.193 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027251.D
 Acq: 28 Sep 2018 02:02

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW311I-20180919MS

Tot Ion:	97	Resp:	66078
Ion	Ratio	Lower	Upper
97	100		
83	90.8	73.1	109.7
85	59.0	46.7	70.1
99	61.2	50.0	75.0

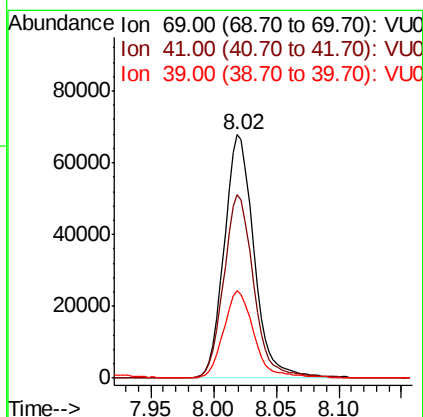
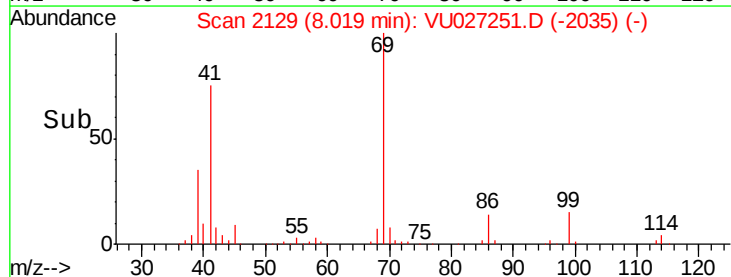
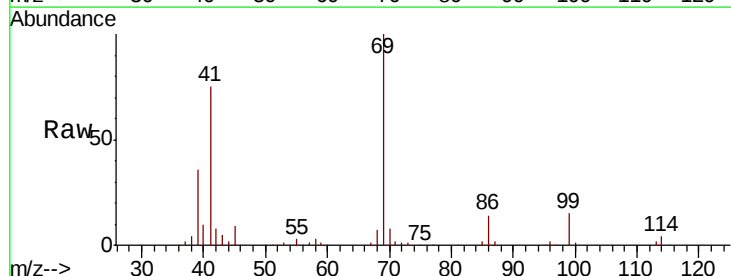
Manual Integrations
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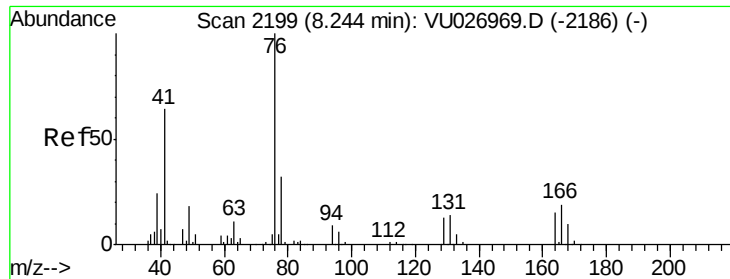
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 10/2/2018 1:07:12 PM



#56
 Ethyl methacrylate
 Concen: 49.023 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027251.D
 Acq: 28 Sep 2018 02:02

Tgt Ion:	69	Resp:	111879
Ion	Ratio	Lower	Upper
69	100		
41	75.9	59.0	88.4
39	36.9	30.2	45.4





#57

1,3-Dichloropropane

Concen: 51.895 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW311I-20180919MS

Tot Ion: 76 Resp: 127068

Ion Ratio Lower Upper

76 100

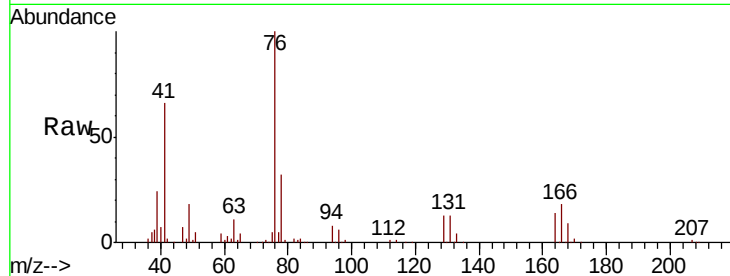
78 31.3 25.5 38.3

Manual Integrations

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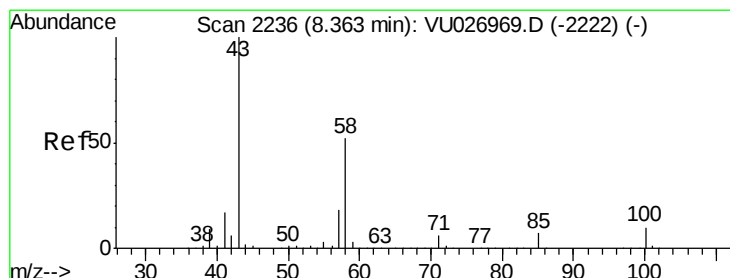
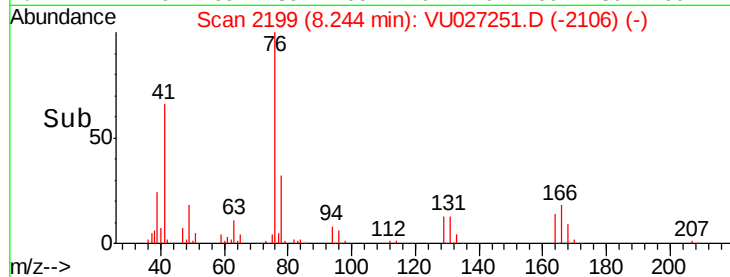
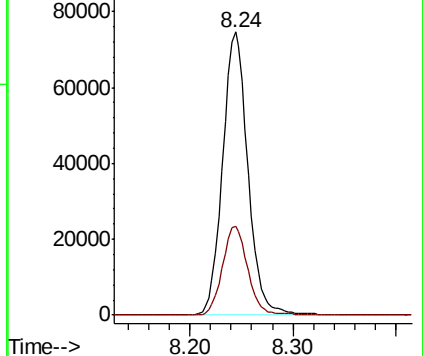
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#59

2-Hexanone

Concen: 271.376 ug/l

RT: 8.36 min Scan# 2236

Delta R.T. 0.00 min

Lab File: VU027251.D

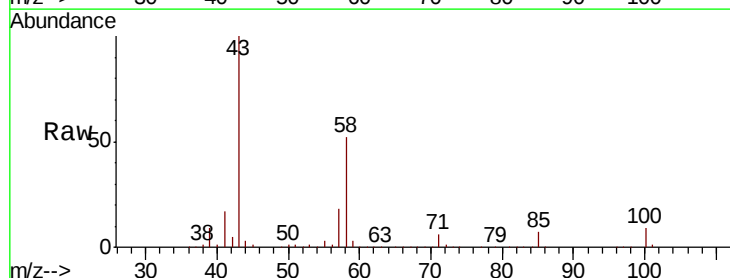
Acq: 28 Sep 2018 02:02

Tgt Ion: 43 Resp: 502923

Ion Ratio Lower Upper

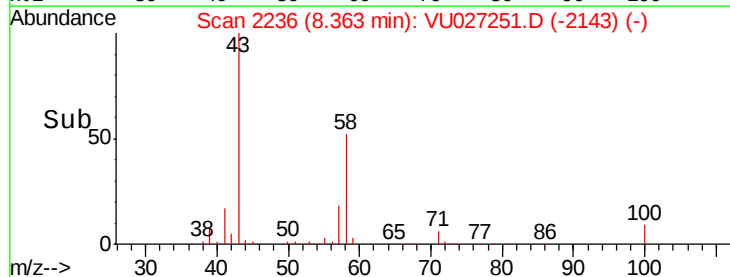
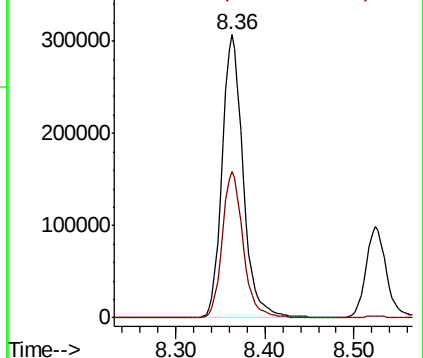
43 100

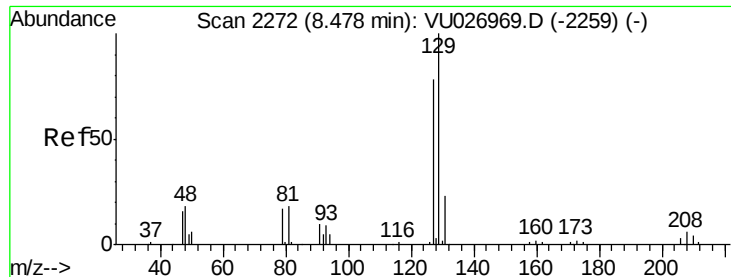
58 51.4 26.1 78.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





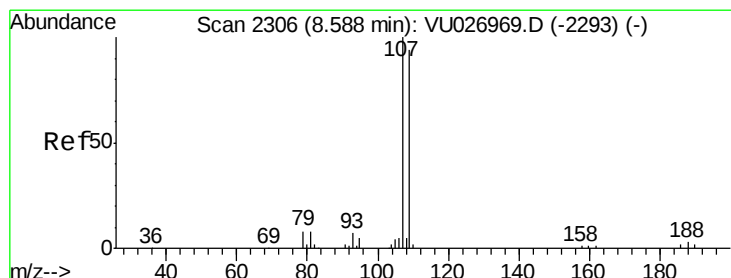
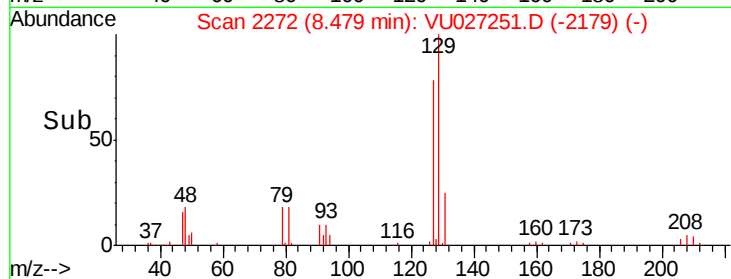
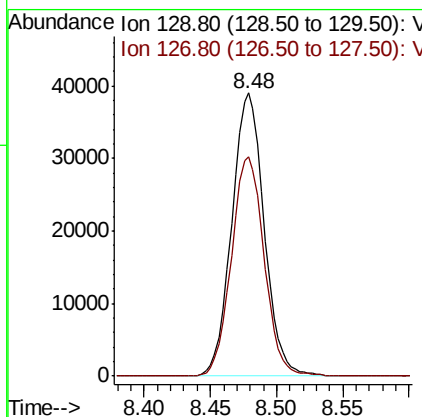
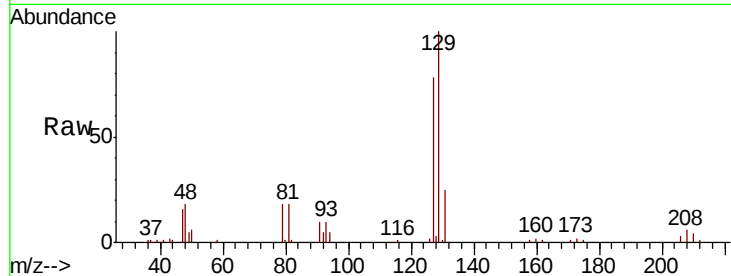
#60
Dibromochloromethane
Concen: 51.201 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW311I-20180919MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		66118		
127	78.4	38.1	114.5		

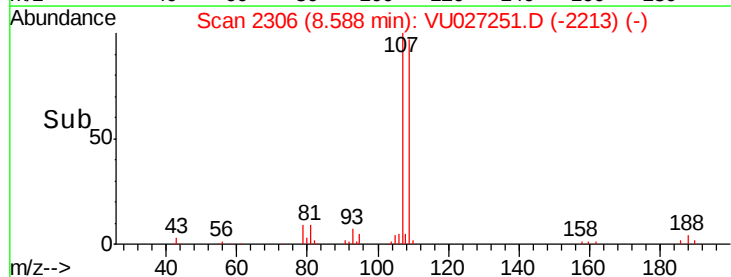
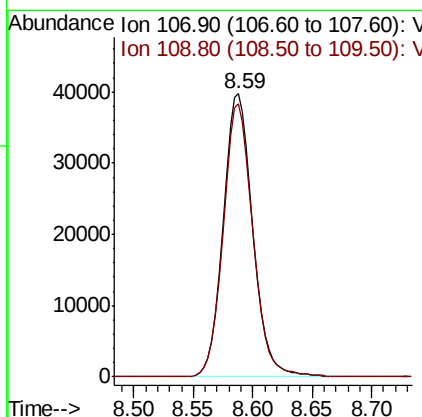
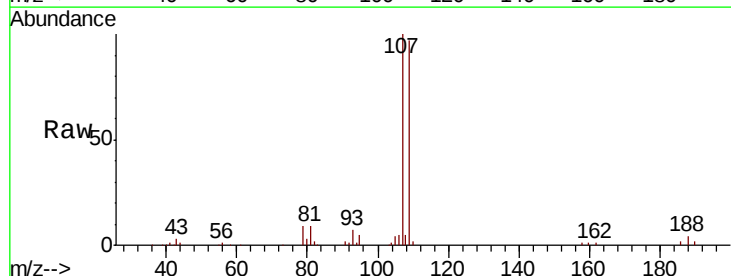
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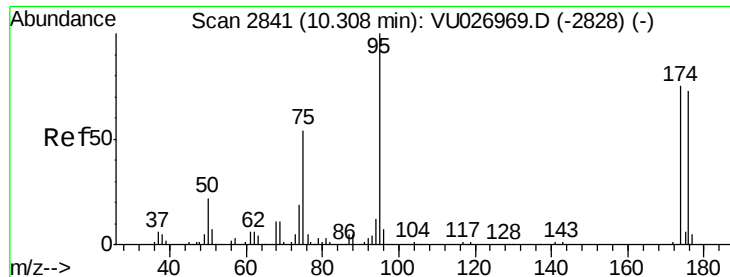
MMDadoda
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#61
1,2-Dibromoethane
Concen: 49.953 ug/l
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		68424		
109	97.1	75.0	112.6		





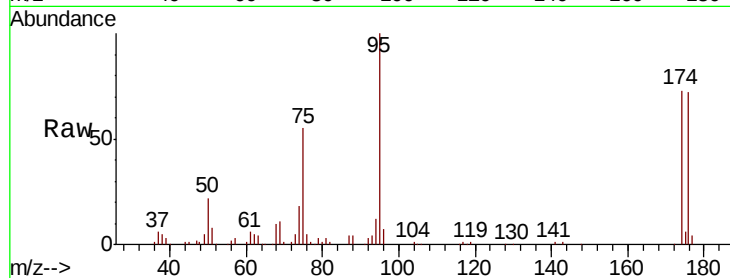
#62
4-Bromofluorobenzene
Concen: 49.658 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW311I-20180919MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	75199		
174	73.5		0.0	150.2
176	71.0		0.0	145.2

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10/2/2018 1:07:12 PM

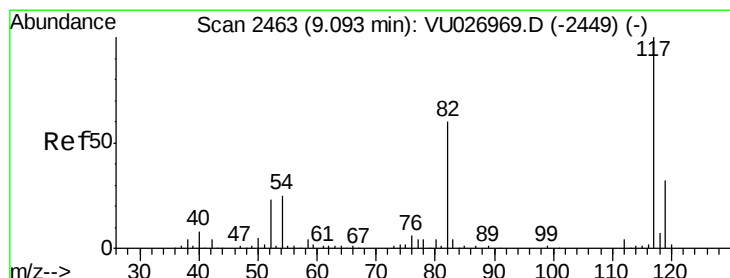
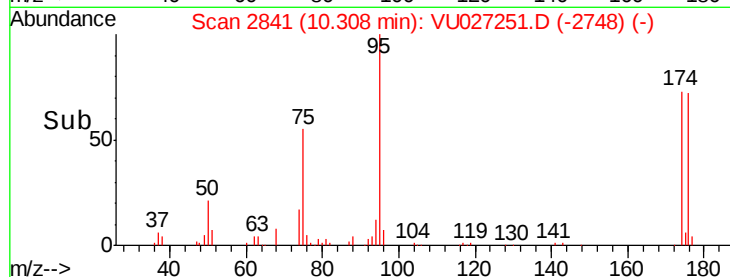
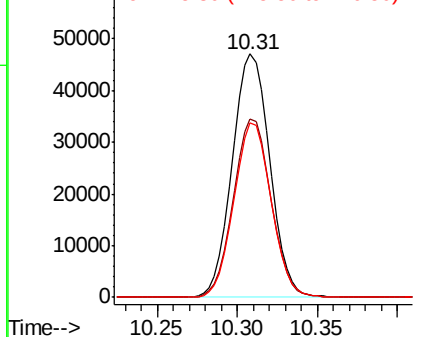


Abundance

Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)

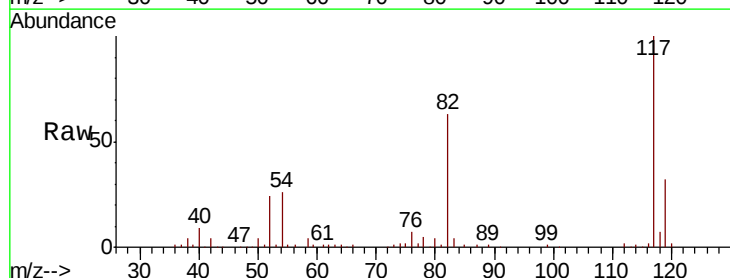
Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU026969.D (-2828) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	129796		
82	63.5		48.0	72.0
119	31.9		25.8	38.8

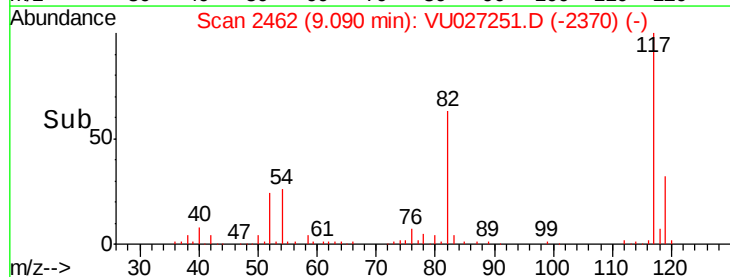
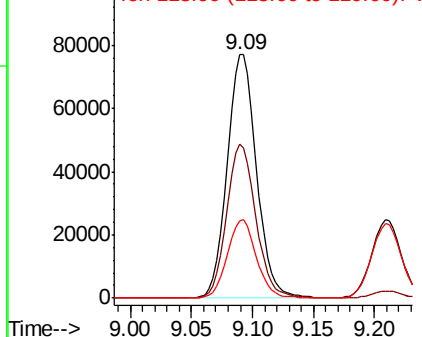


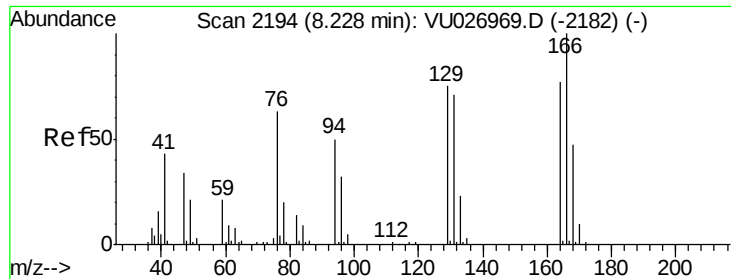
Abundance

Ion 116.90 (116.60 to 117.60): VU026969.D (-2449) (-)

Ion 82.00 (81.70 to 82.70): VU026969.D (-2449) (-)

Ion 118.90 (118.60 to 119.60): VU026969.D (-2449) (-)





#64

Tetrachloroethene

Concen: 47.723 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW311I-20180919MS

Tot Ion:164 Resp: 47731

Ion Ratio Lower Upper

164 100

166 128.4 104.4 156.6

129 98.8 78.7 118.1

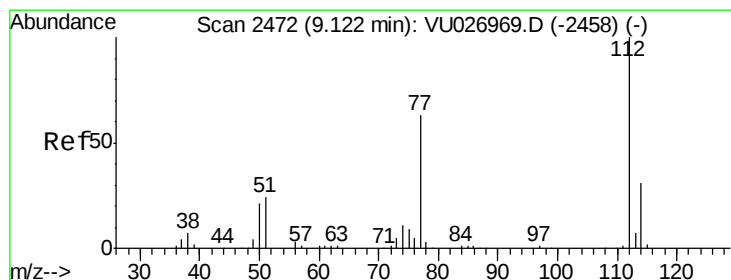
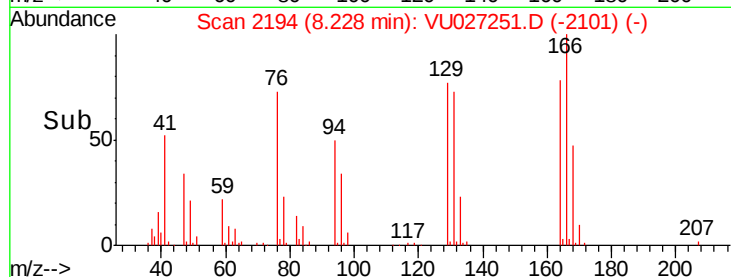
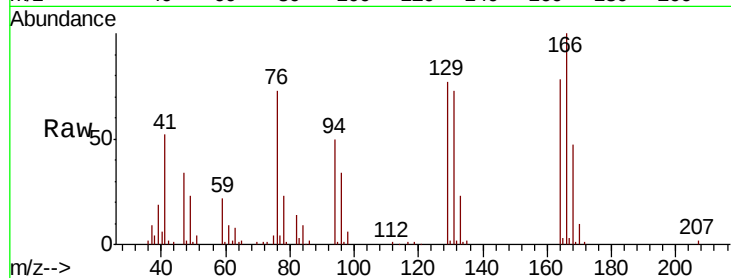
131 93.6 73.9 110.9

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#65

Chlorobenzene

Concen: 48.484 ug/l

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU027251.D

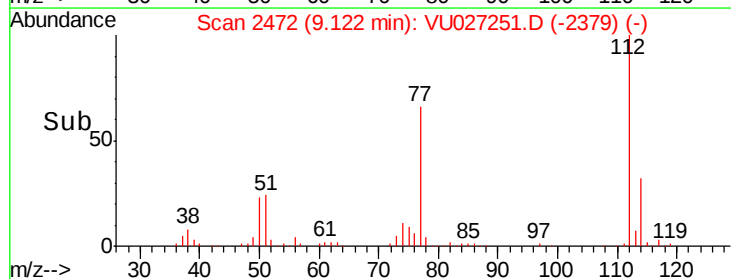
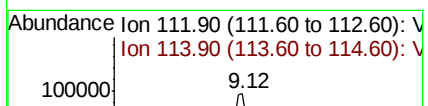
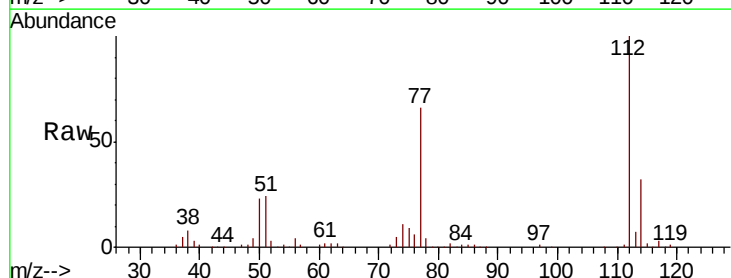
Acq: 28 Sep 2018 02:02

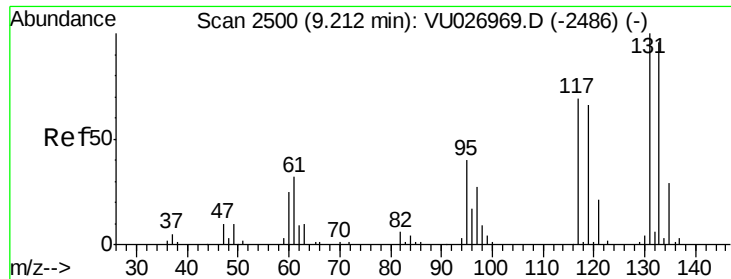
Tgt Ion:112 Resp: 166859

Ion Ratio Lower Upper

112 100

114 31.9 25.0 37.6





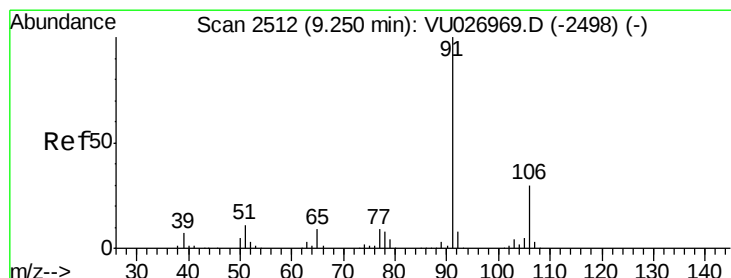
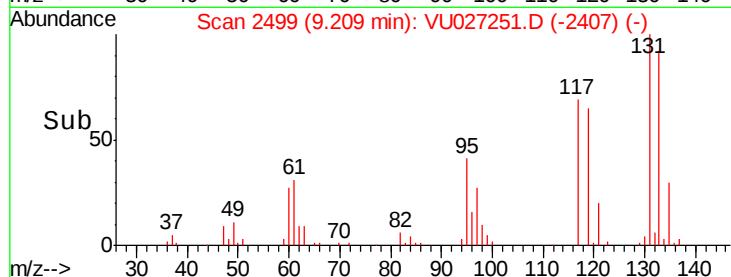
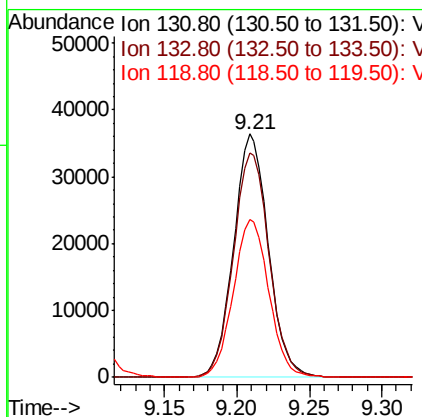
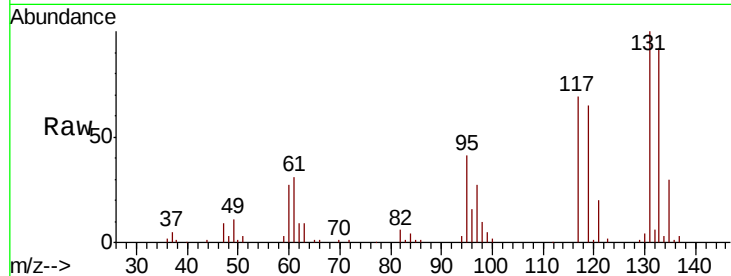
#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.099 ug/l
 RT: 9.21 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VU027251.D
 Acq: 28 Sep 2018 02:02

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW311I-20180919MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.0	48.0	144.2
119	66.3	33.4	100.1

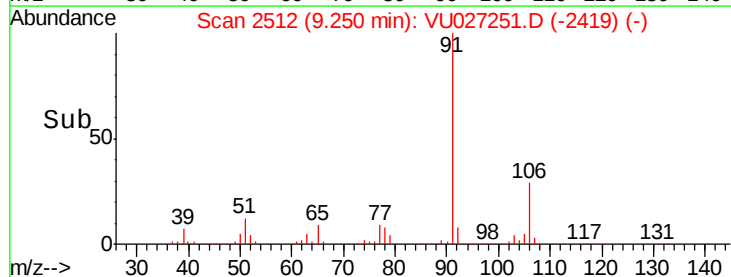
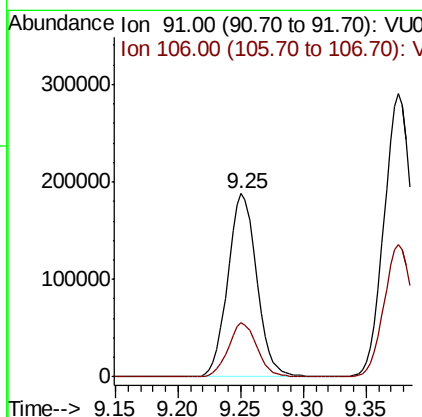
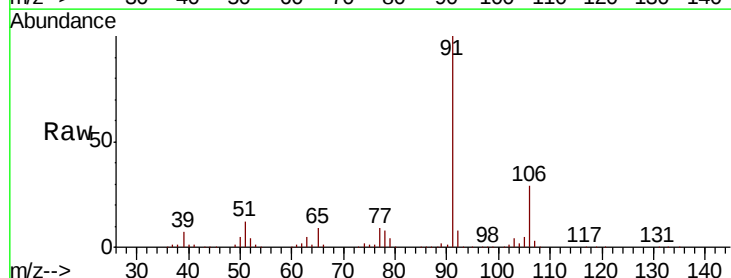
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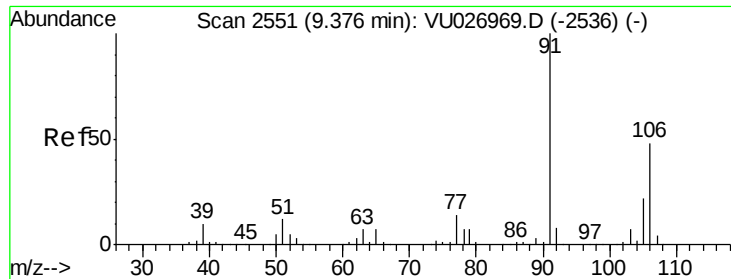
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#67
 Ethyl Benzene
 Concen: 53.253 ug/l
 RT: 9.25 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: VU027251.D
 Acq: 28 Sep 2018 02:02

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.8	35.8





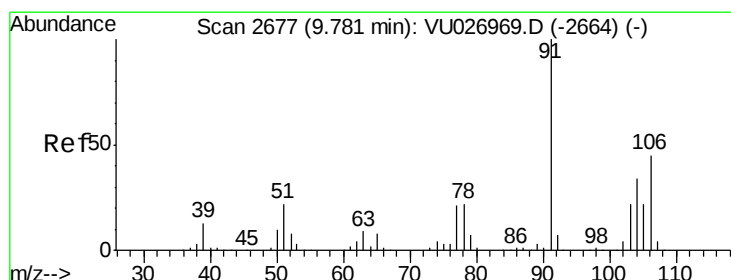
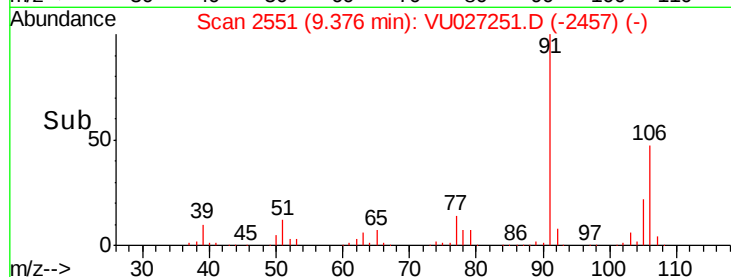
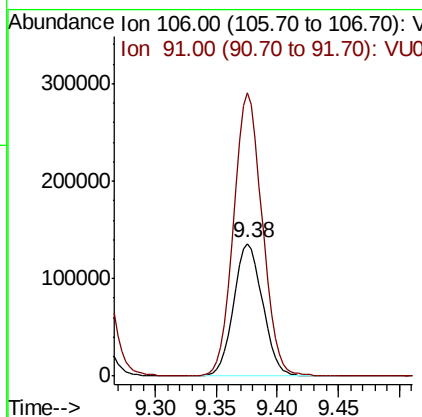
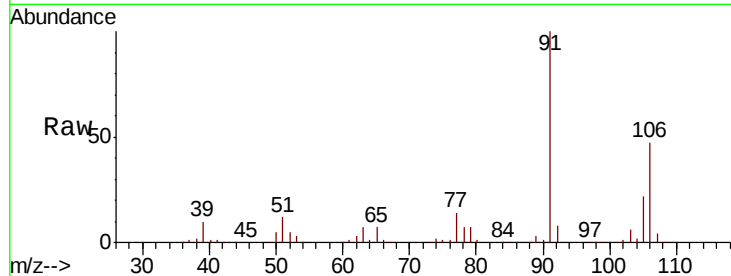
#68
m/p-Xylenes
Concen: 97.918 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW311I-20180919MS

Tot Ion:106 Resp: 224348
Ion Ratio Lower Upper
106 100
91 211.8 166.5 249.7

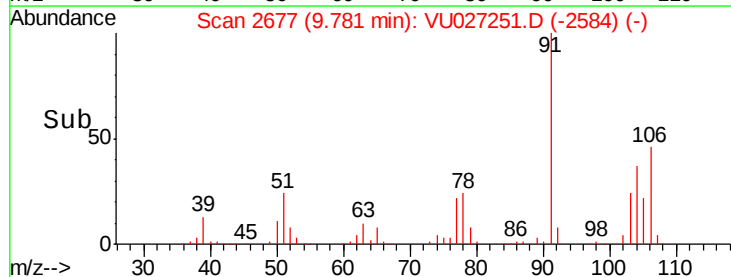
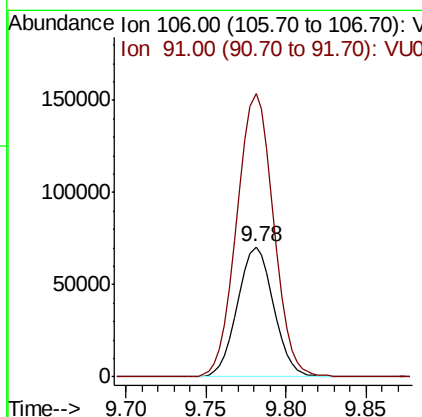
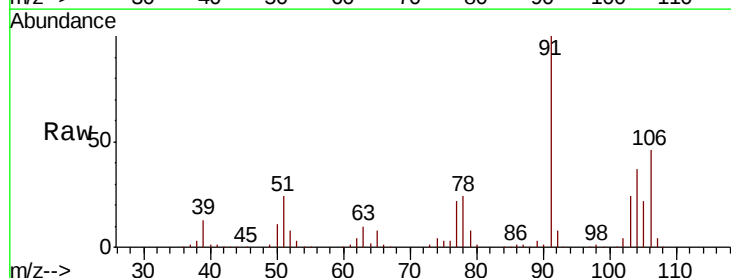
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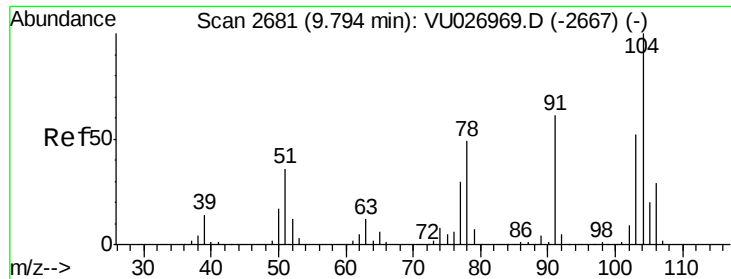
MMDadoda
10/2/2018 1:07:12 PM



#69
o-Xylene
Concen: 53.998 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Tgt Ion:106 Resp: 108274
Ion Ratio Lower Upper
106 100
91 222.0 110.2 330.6





#70

Stvrene

Concen: 48.303 ug/l

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Instrument :

MSVOA_U

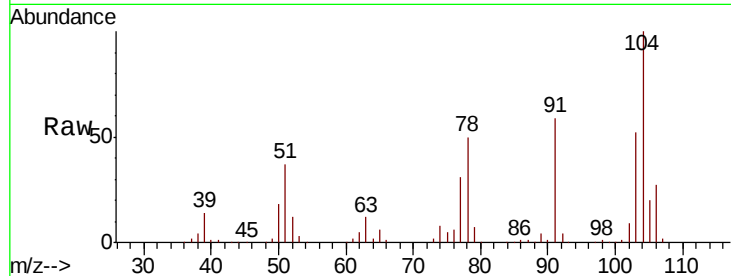
ClientSampleId :

BPSI-TT-MW311I-20180919MS

Tot Ion:	104	Resp:	180604
Ion Ratio	Lower	Upper	
104	100		
78	54.9	43.0	64.4
103	55.9	44.1	66.1

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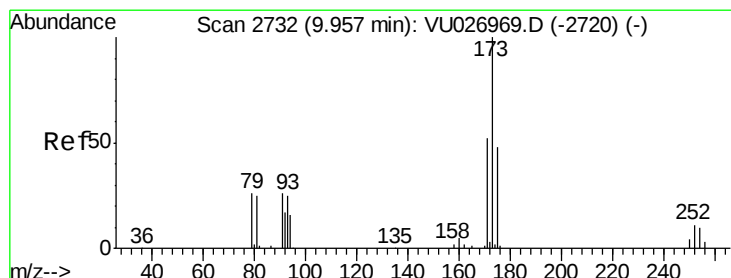
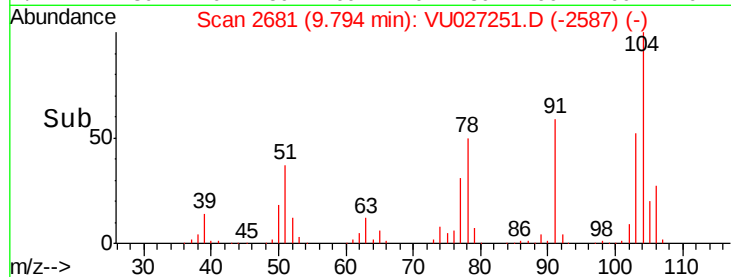
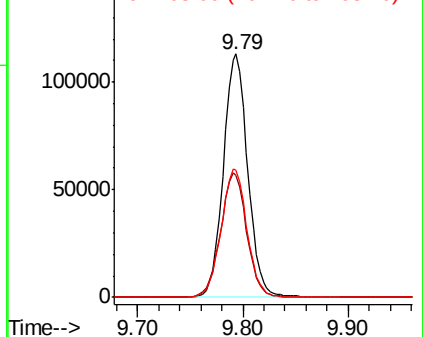


Abundance

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



#71

Bromoform

Concen: 51.563 ug/l

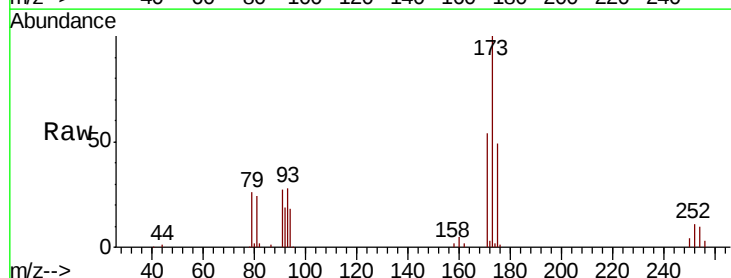
RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Tgt Ion:	173	Resp:	47266
Ion Ratio	Lower	Upper	
173	100		
175	48.7	23.9	71.8
254	0.0	0.0	0.0

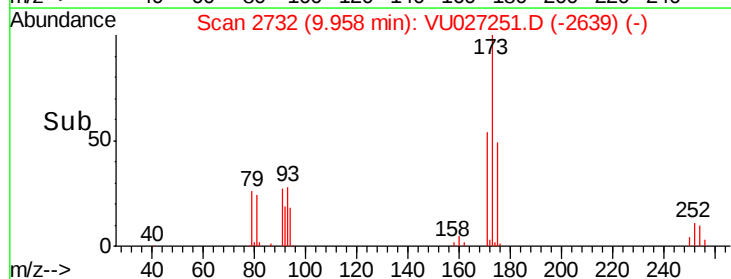
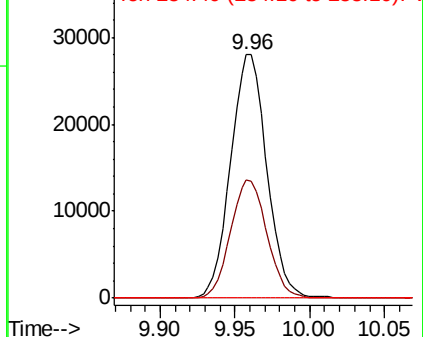


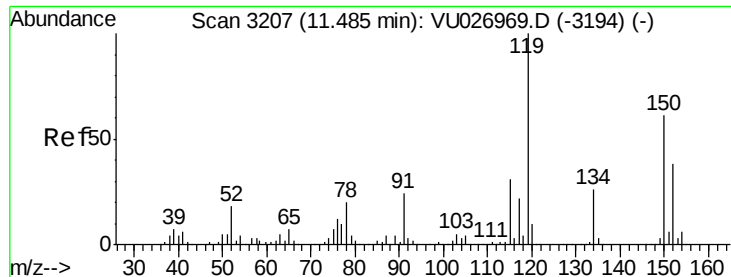
Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW311I-20180919MS

Tot Ion:152 Resp: 71114

Ion Ratio Lower Upper

152 100

115 88.7 44.9 134.5

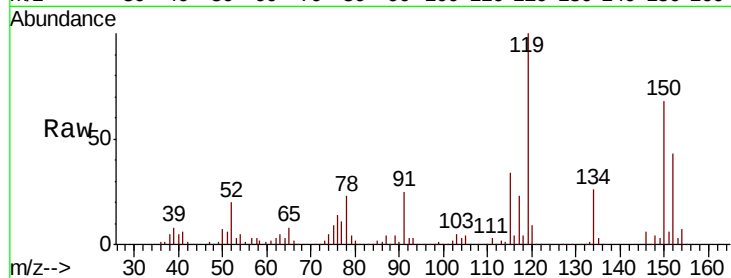
150 175.8 0.0 355.8

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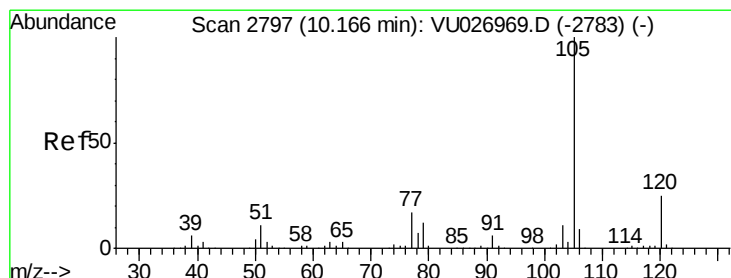
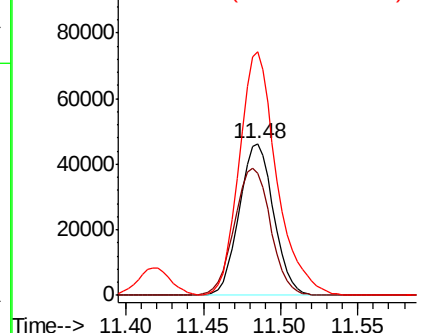
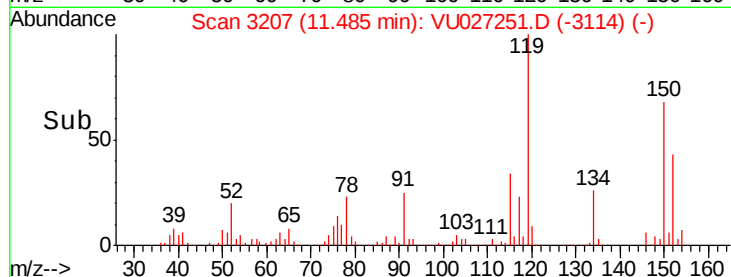
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 53.780 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027251.D

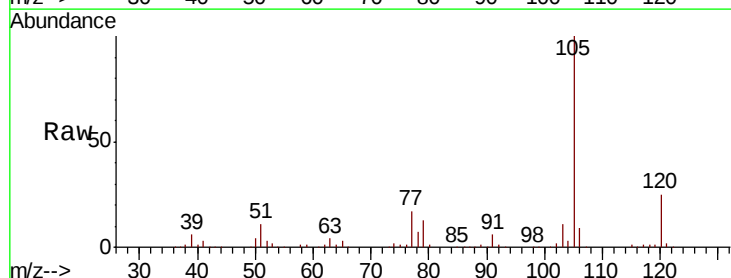
Acq: 28 Sep 2018 02:02

Tgt Ion:105 Resp: 290924

Ion Ratio Lower Upper

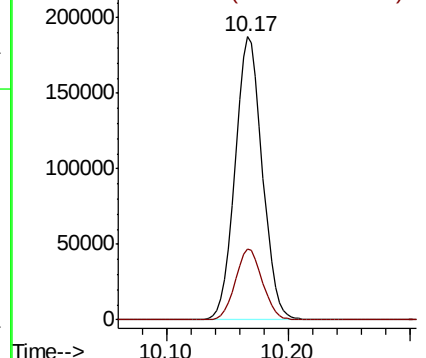
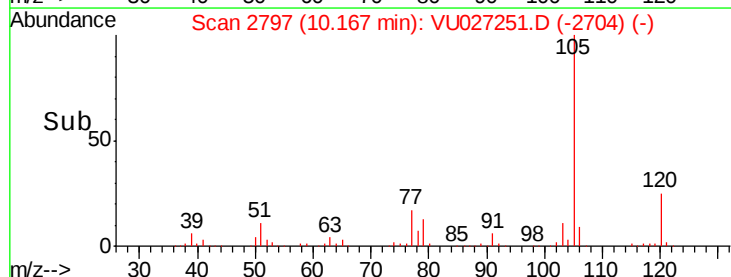
105 100

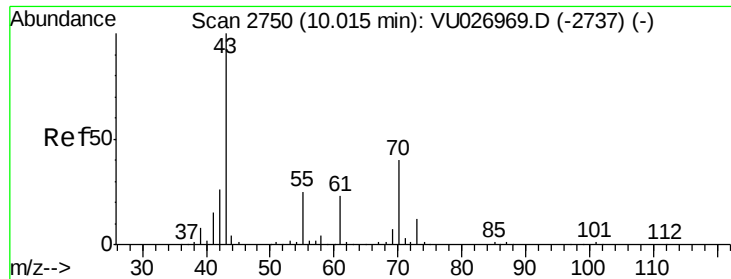
120 25.0 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 48.639 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Instrument :

MSVOA_U

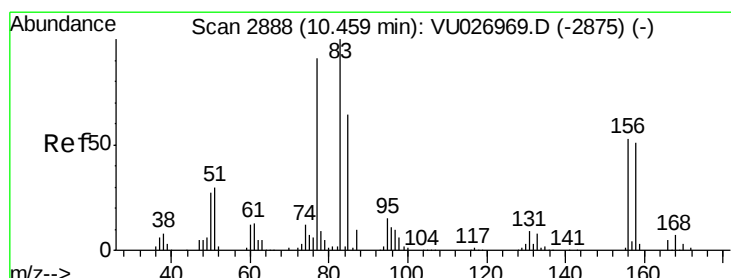
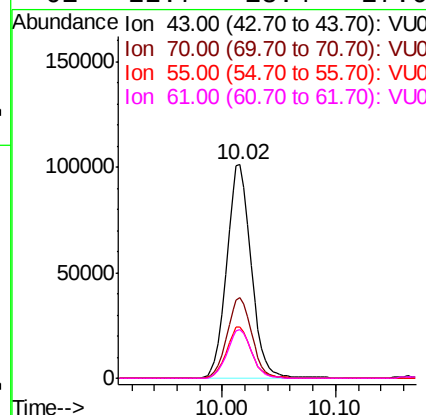
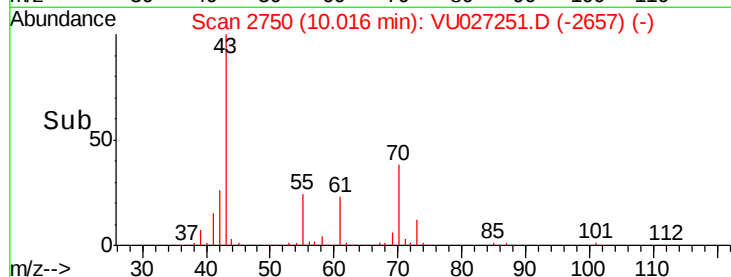
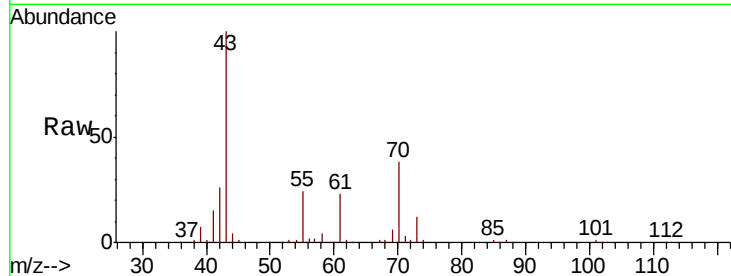
ClientSampleId :

BPSI-TT-MW311I-20180919MS

Tot Ion	43	Resp	152303
Ion	Ratio	Lower	Upper
43	100		
70	38.0	31.8	47.8
55	24.5	19.9	29.9
61	22.7	18.4	27.6

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 47.137 ug/l

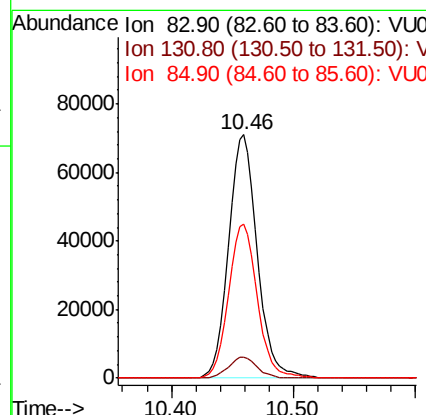
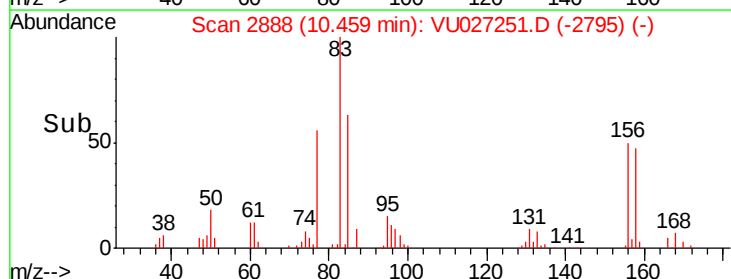
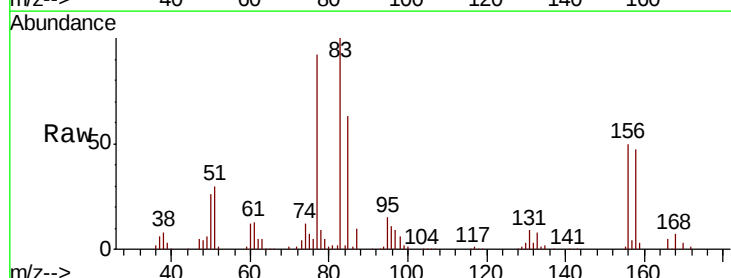
RT: 10.46 min Scan# 2888

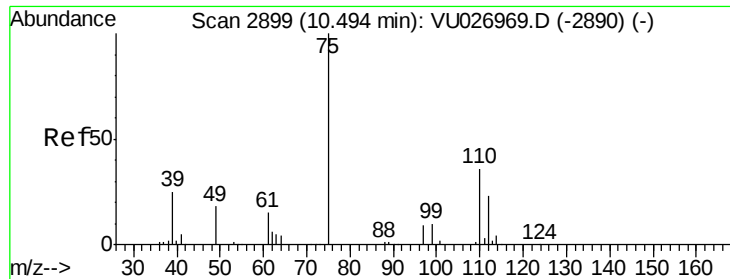
Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Tgt Ion	83	Resp	117239
Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.3	12.8
85	63.8	31.9	95.7





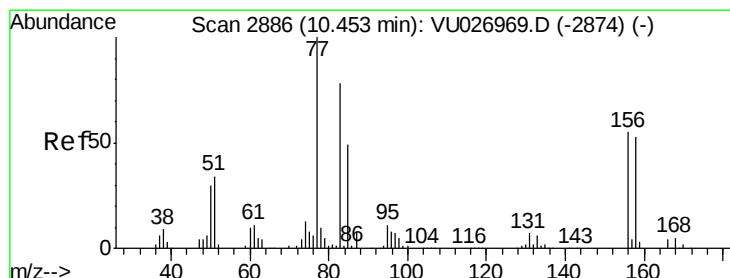
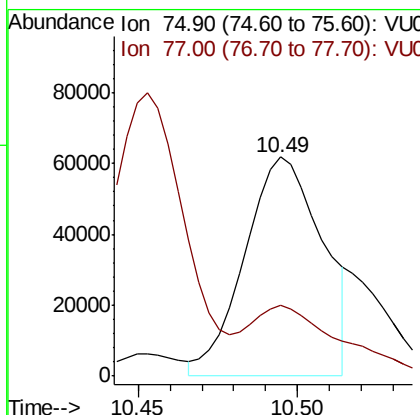
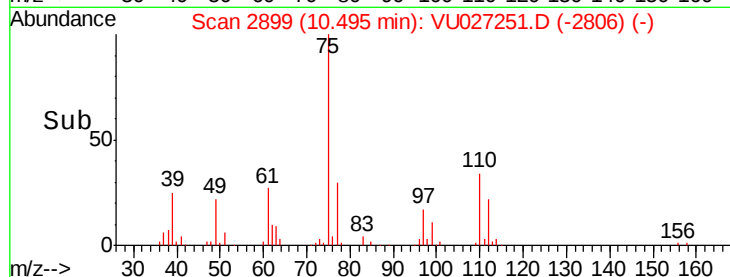
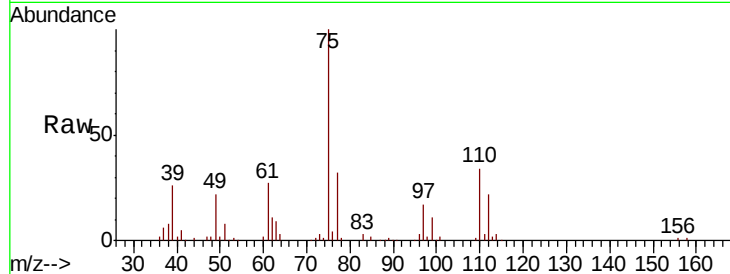
#76
 1,2,3-Trichloropropane
 Concen: 48.577 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU027251.D
 Acq: 28 Sep 2018 02:02

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW311I-20180919MS

Tot Ion: 75 Resp: 104946
 Ion Ratio Lower Upper
 75 100
 77 36.7 20.9 62.8

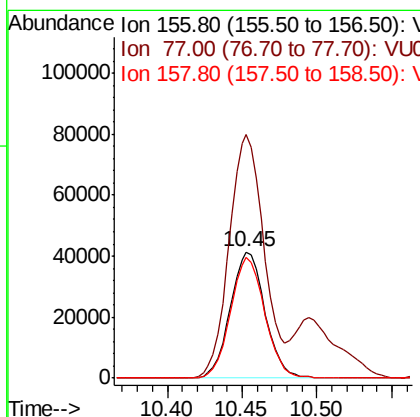
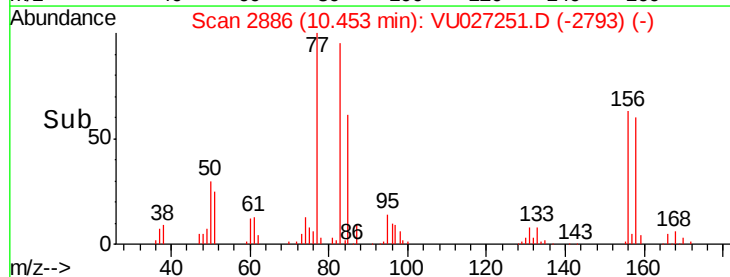
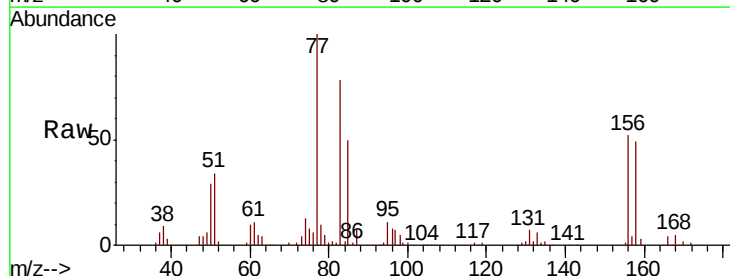
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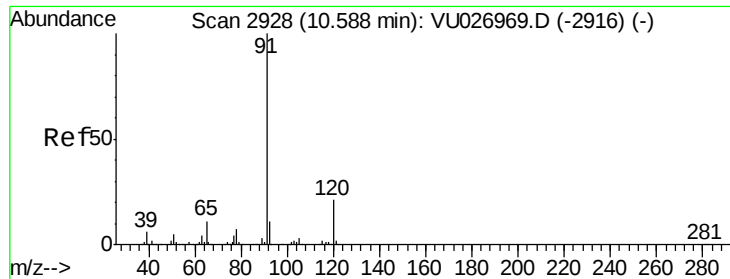
MMDadoda
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#77
 Bromobenzene
 Concen: 50.283 ug/l
 RT: 10.45 min Scan# 2886
 Delta R.T. 0.00 min
 Lab File: VU027251.D
 Acq: 28 Sep 2018 02:02

Tgt Ion: 156 Resp: 66470
 Ion Ratio Lower Upper
 156 100
 77 194.7 92.3 276.9
 158 94.9 48.1 144.3





#78

n-propylbenzene

Concen: 54.826 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW311I-20180919MS

Tot Ion: 91 Resp: 350926

Ion Ratio Lower Upper

91 100

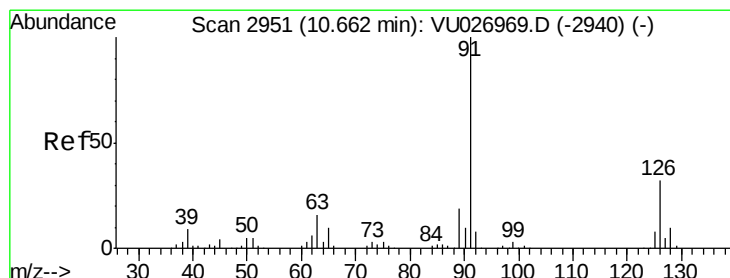
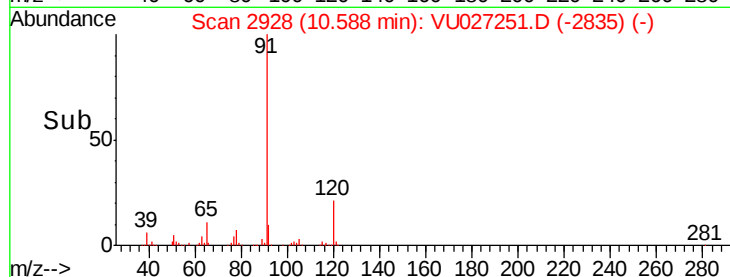
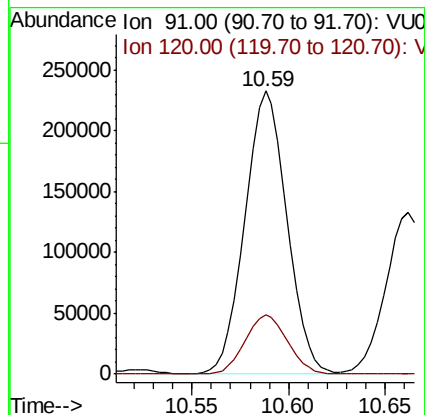
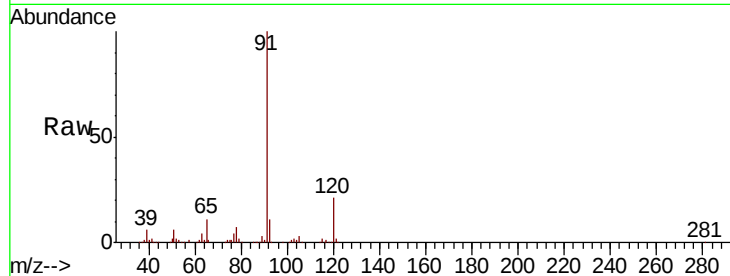
120 21.2 10.6 31.8

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#79

2-Chlorotoluene

Concen: 51.584 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027251.D

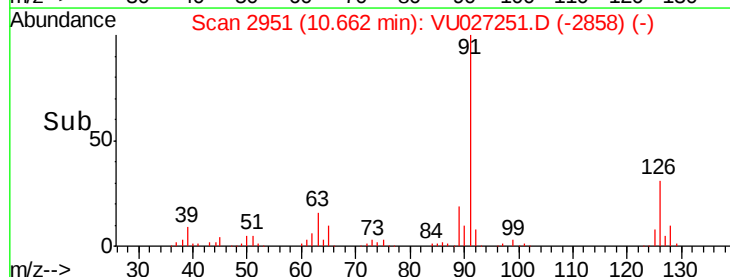
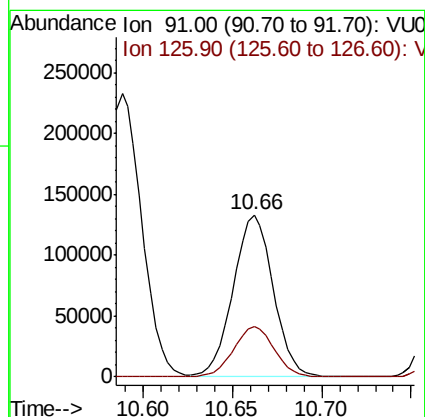
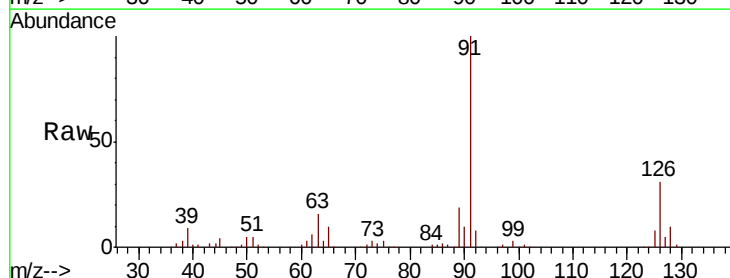
Acq: 28 Sep 2018 02:02

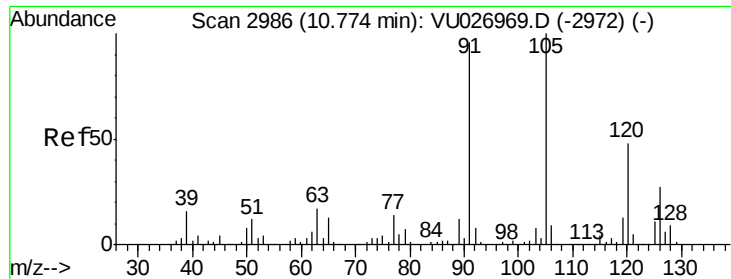
Tgt Ion: 91 Resp: 207393

Ion Ratio Lower Upper

91 100

126 31.7 15.8 47.3





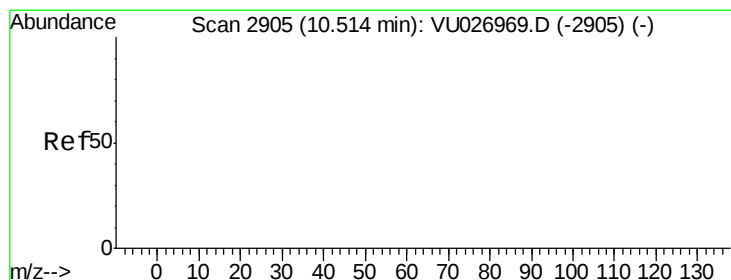
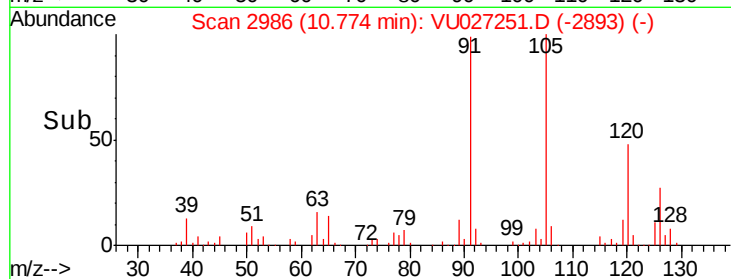
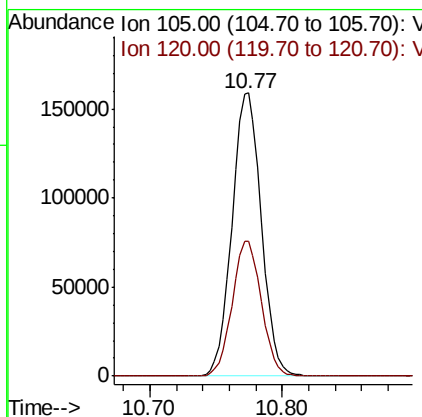
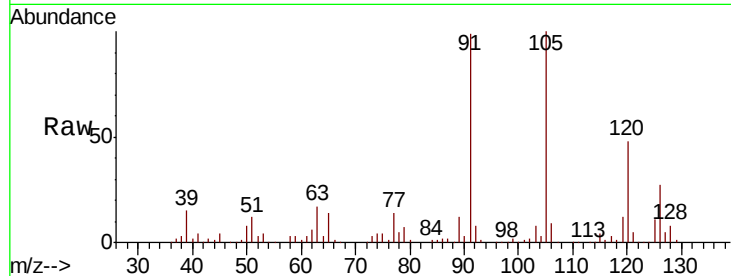
#80
 1,3,5-Trimethylbenzene
 Concen: 54.500 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027251.D
 Acq: 28 Sep 2018 02:02

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW311I-20180919MS

Tot Ion: 105 Resp: 243367
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.9 71.7

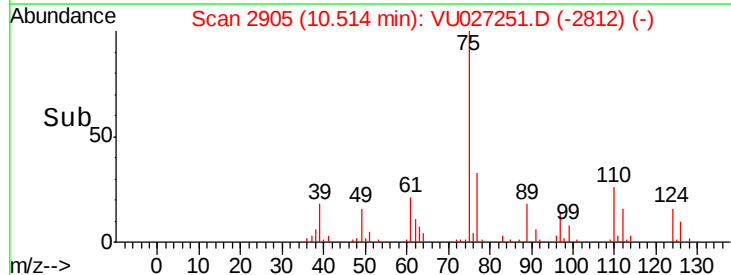
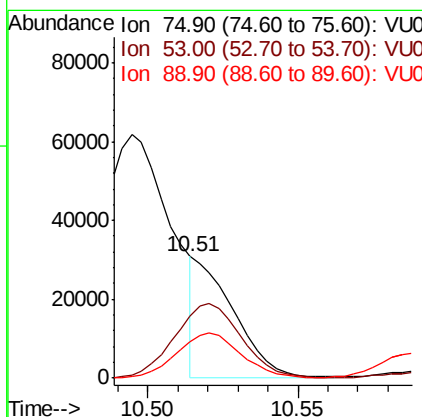
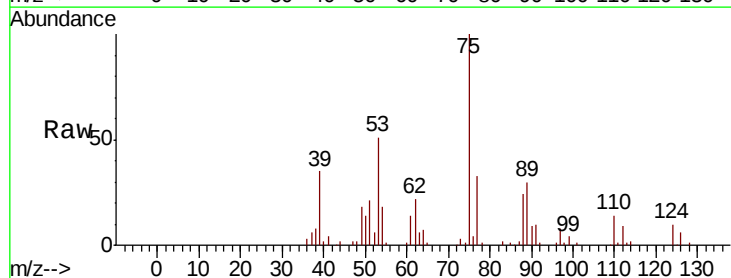
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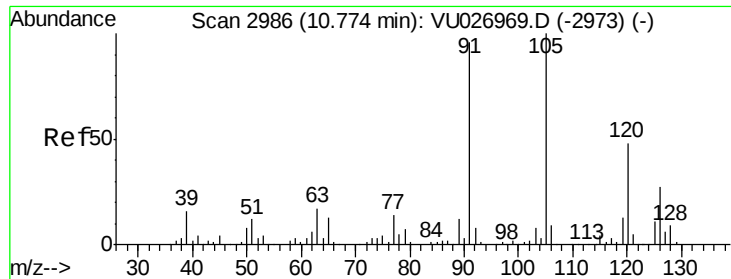
MMDadoda
 10/2/2018 1:07:12 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 40.494 ug/l m
 RT: 10.51 min Scan# 2905
 Delta R.T. 0.00 min
 Lab File: VU027251.D
 Acq: 28 Sep 2018 02:02

Tgt Ion: 75 Resp: 27337
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 53.743 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW311I-20180919MS

Tot Ion: 91 Resp: 242280

Ion Ratio Lower Upper

91 100

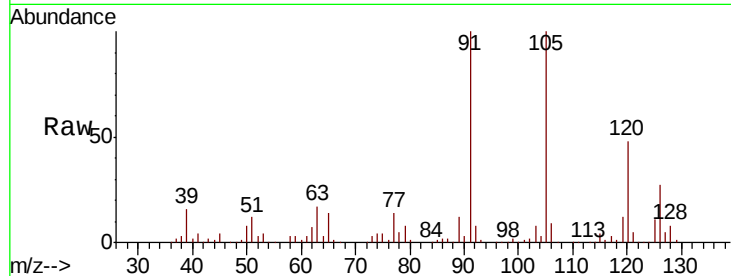
126 27.5 14.1 42.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2973) (-)

Ion 125.90 (125.60 to 126.60): VU026969.D (-2973) (-)

10.77

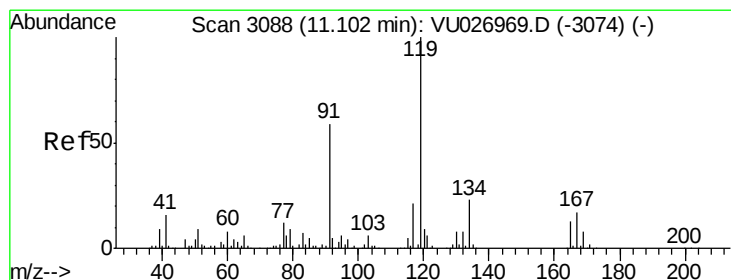
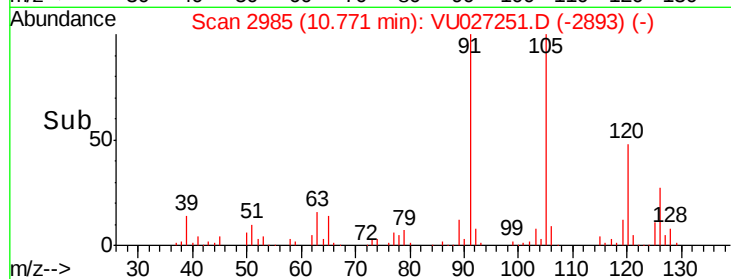
150000

100000

50000

0

Time-->



#83

tert-Butylbenzene

Concen: 52.559 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

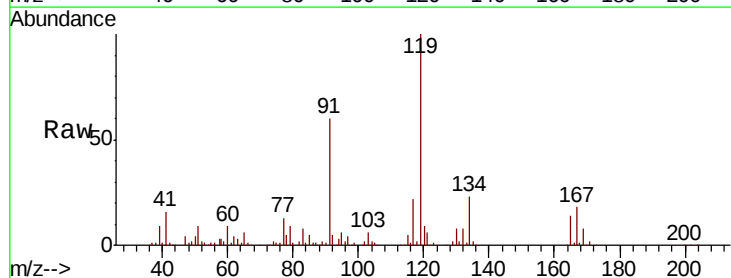
Tgt Ion: 119 Resp: 232037

Ion Ratio Lower Upper

119 100

91 59.7 29.8 89.4

134 22.3 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): VU026969.D (-3074) (-)

Ion 91.00 (90.70 to 91.70): VU026969.D (-3074) (-)

Ion 134.00 (133.70 to 134.70): VU026969.D (-3074) (-)

11.10

200000

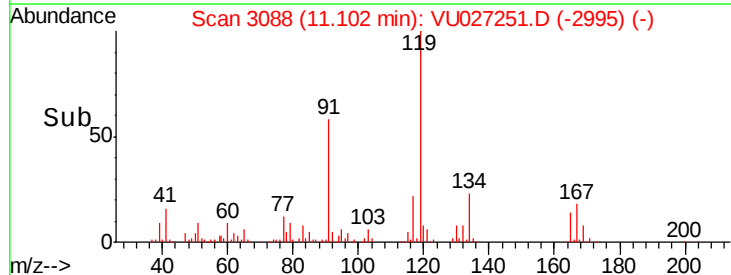
150000

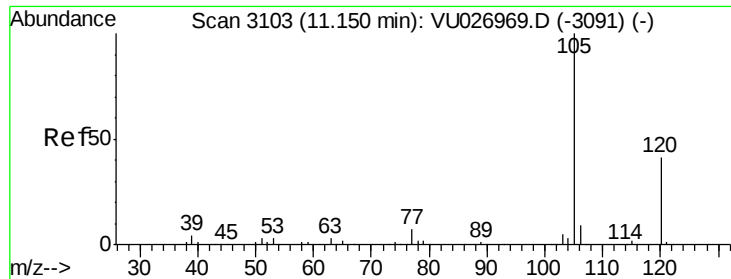
100000

50000

0

Time-->





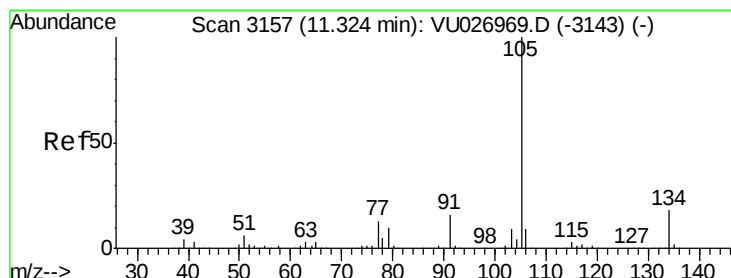
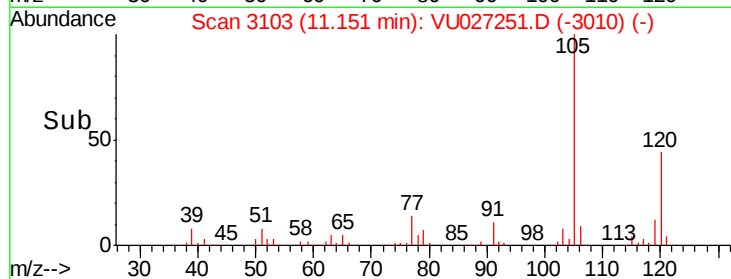
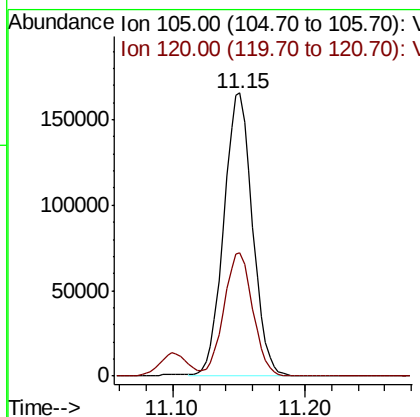
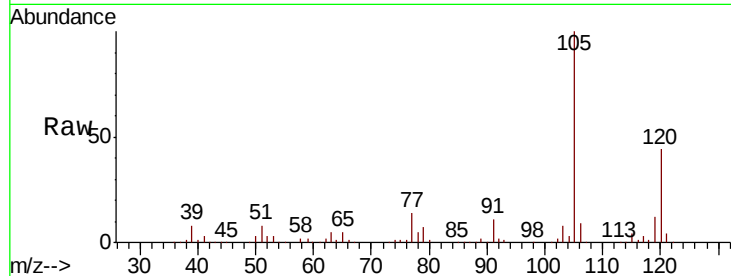
#84
 1,2,4-Trimethylbenzene
 Concen: 54.639 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027251.D
 Acq: 28 Sep 2018 02:02

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW311I-20180919MS

Tot Ion:105 Resp: 248304
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.4 67.2

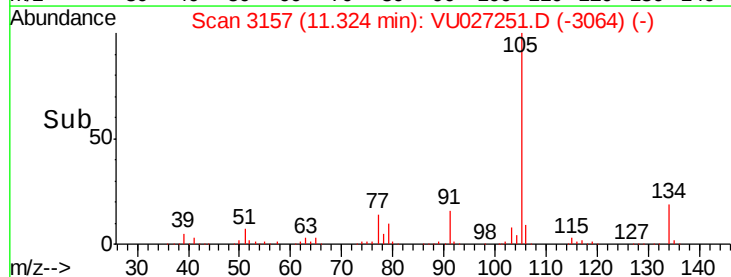
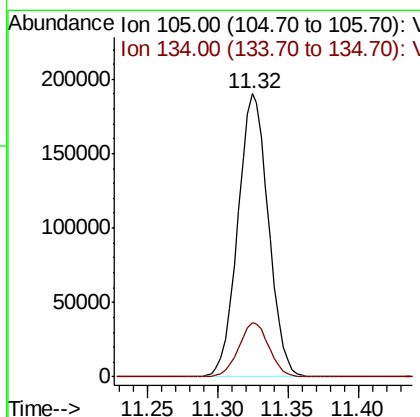
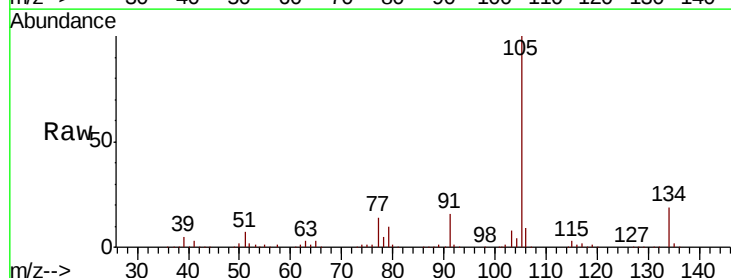
Manual Integrations
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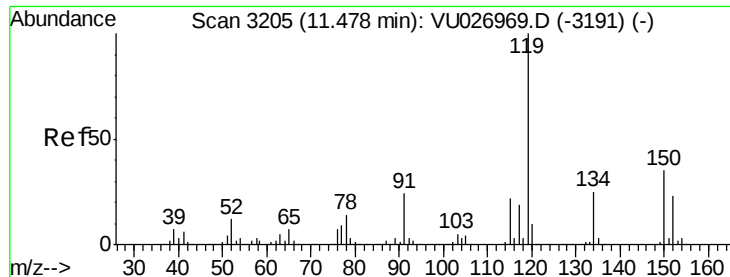
MMDadoda
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#85
 sec-Butylbenzene
 Concen: 53.583 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027251.D
 Acq: 28 Sep 2018 02:02

Tgt Ion:105 Resp: 288768
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.4 28.2





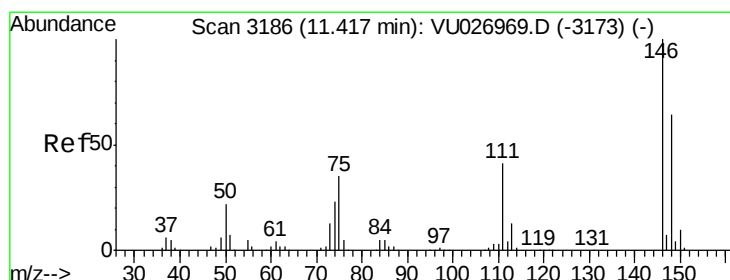
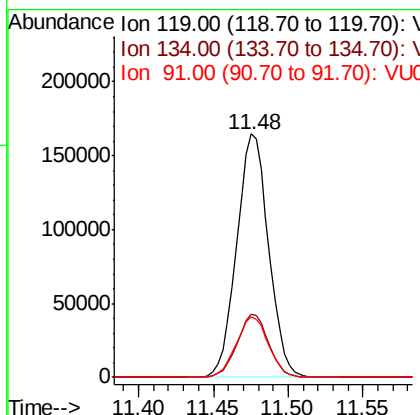
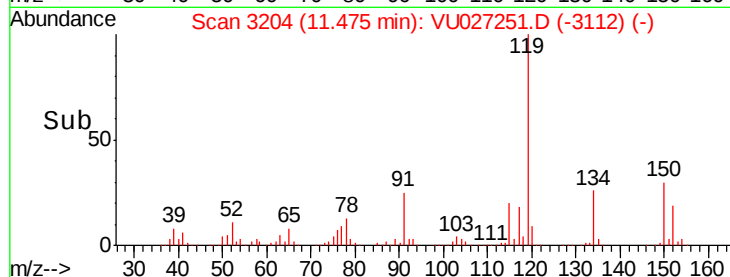
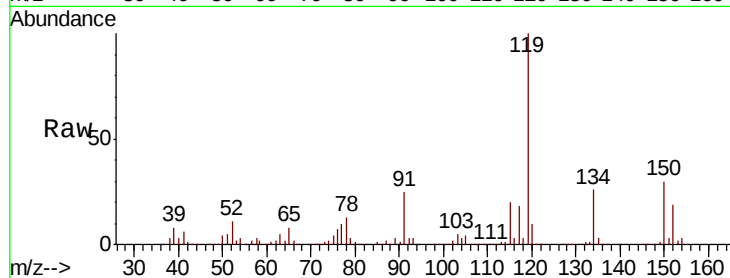
#86
p-Isopropyltoluene
Concen: 48.217 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW311I-20180919MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	243655		
134	25.7	12.8	38.3	
91	25.3	12.3	36.8	

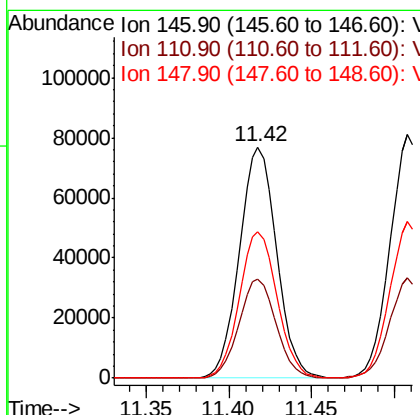
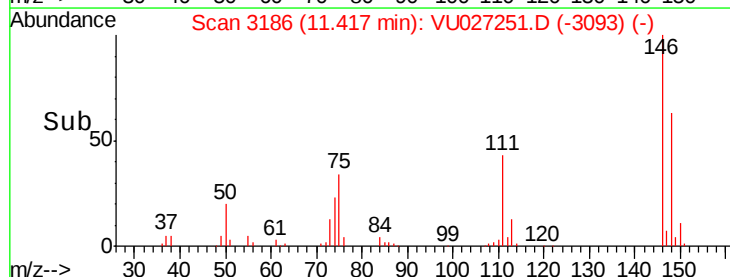
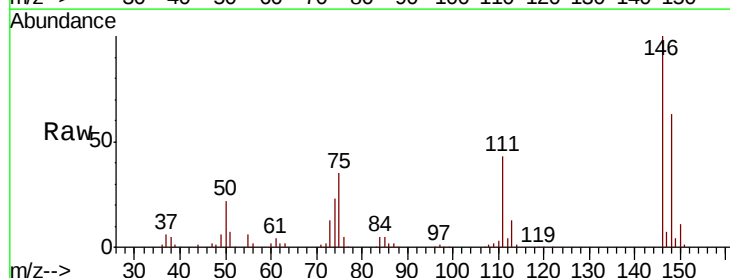
Manual Integrations
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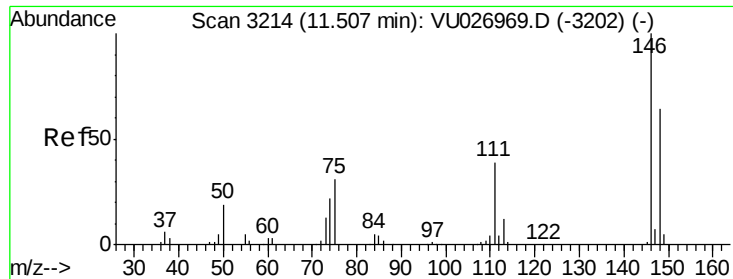
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#87
1,3-Dichlorobenzene
Concen: 48.743 ug/l
RT: 11.42 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	119905		
111	42.8	20.8	62.2	
148	64.3	32.0	96.2	





#88

1,4-Dichlorobenzene

Concen: 45.856 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Instrument :

MSVOA_U

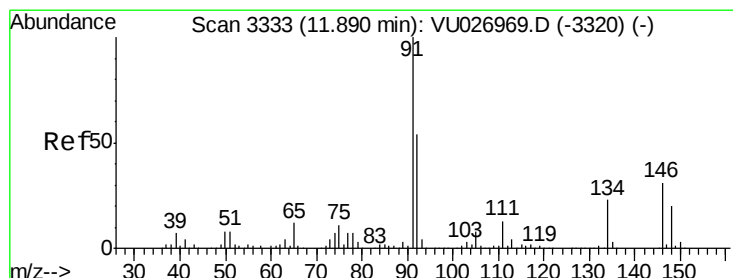
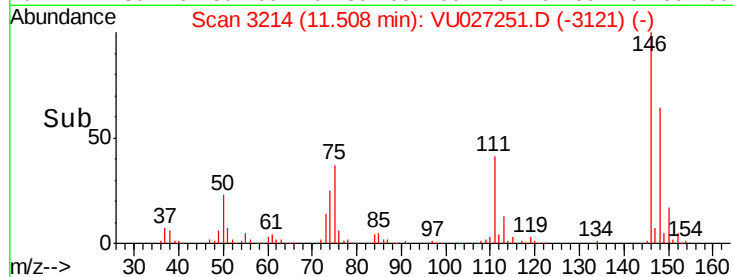
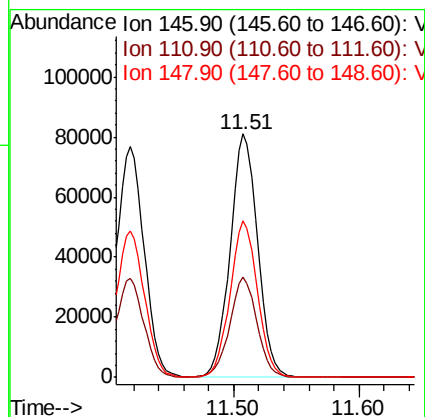
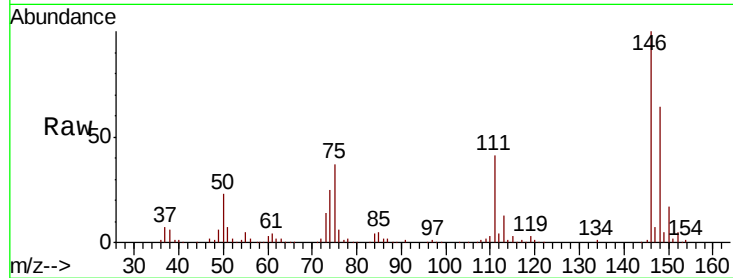
ClientSampleId :

BPSI-TT-MW311I-20180919MS

Tot Ion:	146	Resp:	122943
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.3	60.9
148	63.7	31.9	95.9

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#89

n-Butylbenzene

Concen: 45.767 ug/l

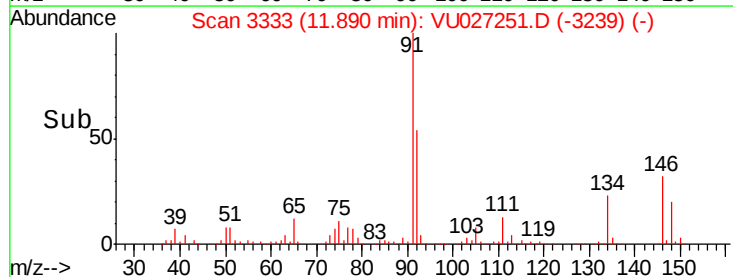
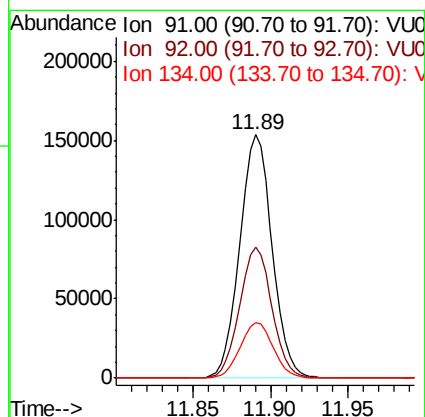
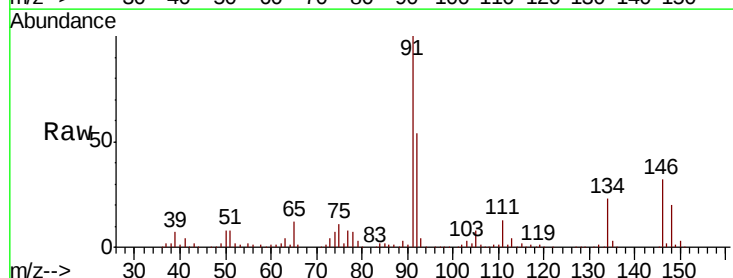
RT: 11.89 min Scan# 3333

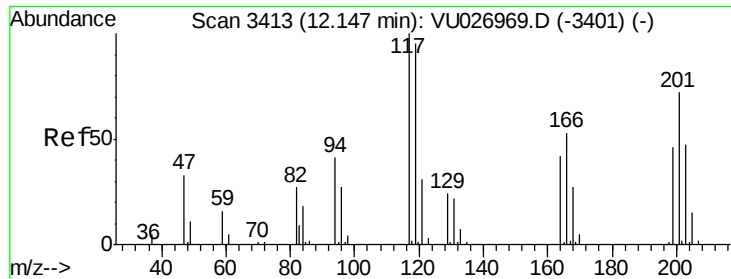
Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Tgt Ion:	91	Resp:	223309
Ion Ratio	Lower	Upper	
91	100		
92	53.7	27.1	81.2
134	23.2	11.7	35.0





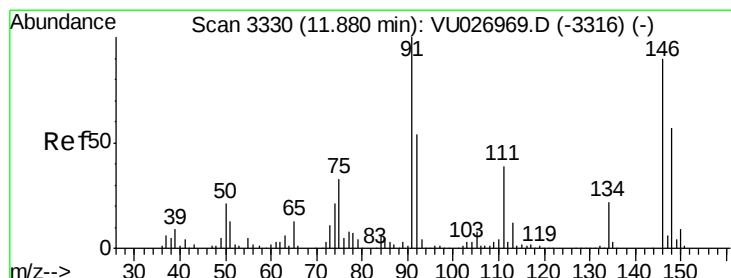
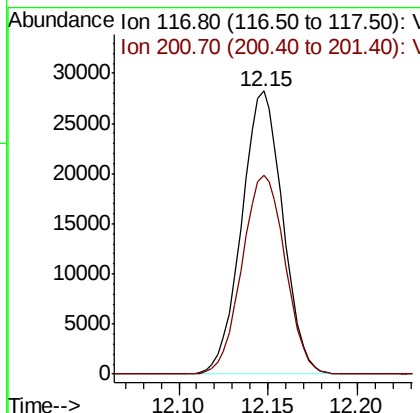
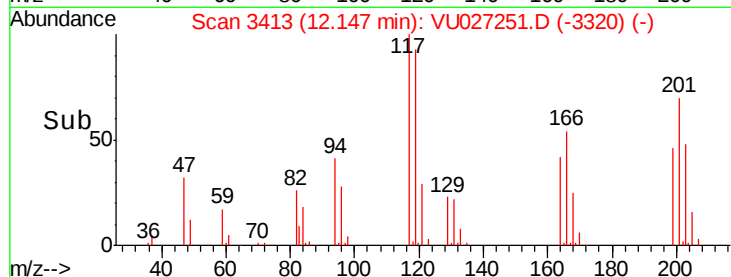
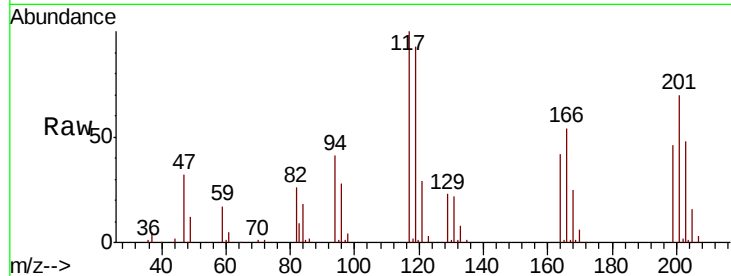
#90
Hexachloroethane
Concen: 46.501 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW311I-20180919MS

Tot Ion:117 Resp: 45571
Ion Ratio Lower Upper
117 100
201 73.7 36.8 110.3

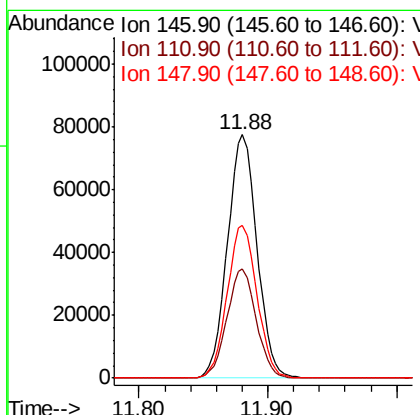
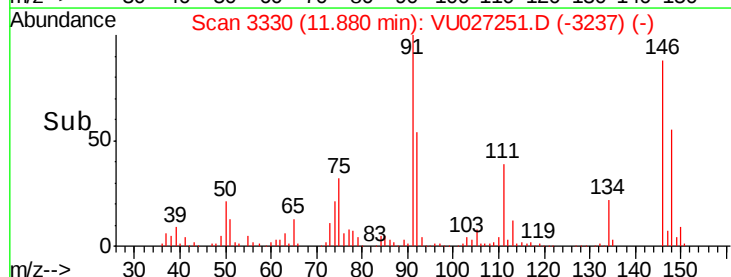
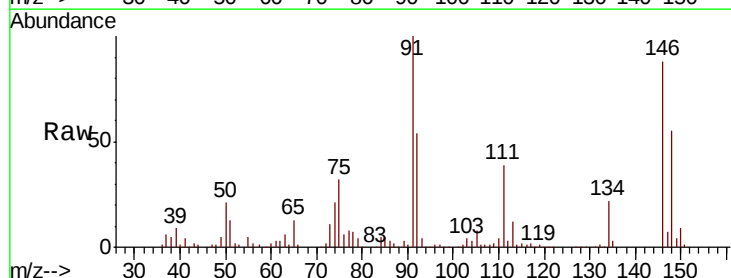
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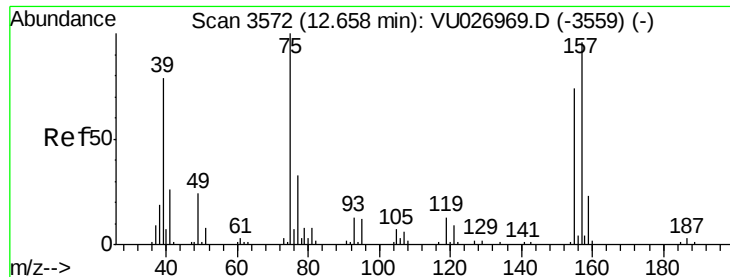
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#91
1,2-Dichlorobenzene
Concen: 47.168 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Tgt Ion:146 Resp: 123253
Ion Ratio Lower Upper
146 100
111 44.6 21.8 65.3
148 63.1 31.9 95.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 51.244 ug/l

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Instrument :

MSVOA_U

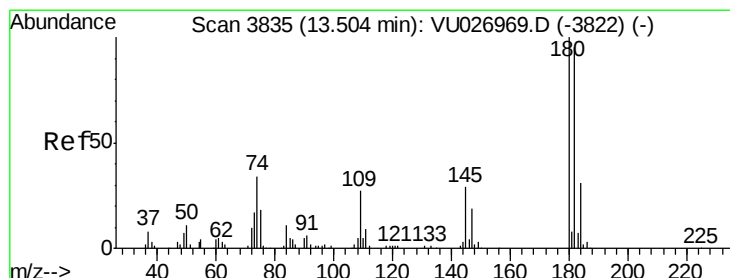
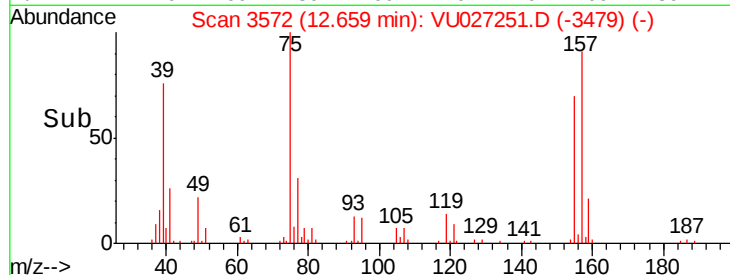
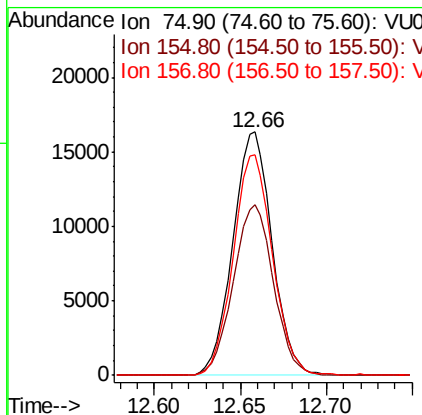
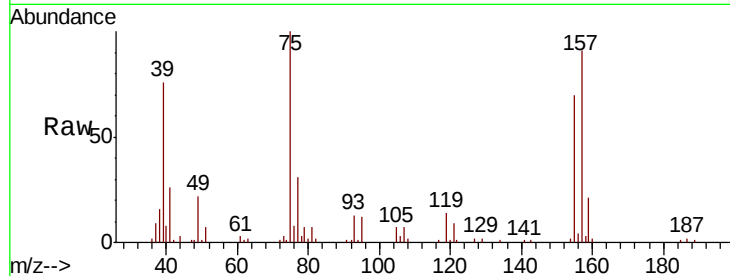
ClientSampleId :

BPSI-TT-MW311I-20180919MS

Tot Ion:	75	Resp:	26001
Ion	Ratio	Lower	Upper
75	100		
155	71.5	36.6	109.8
157	90.7	47.4	142.2

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#93

1,2,4-Trichlorobenzene

Concen: 50.878 ug/l

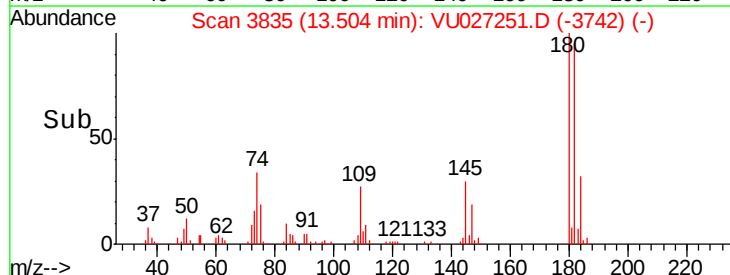
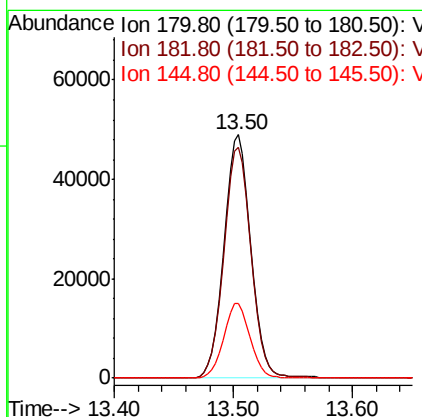
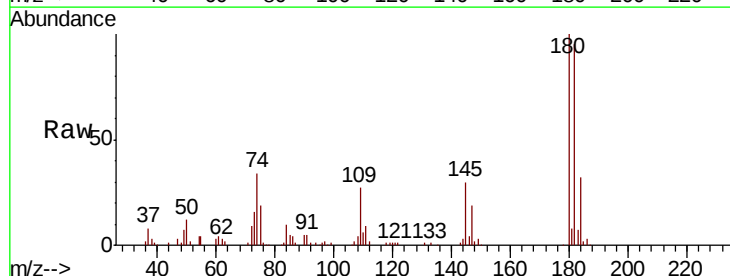
RT: 13.50 min Scan# 3835

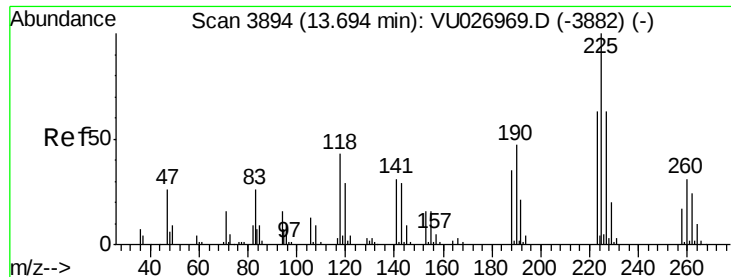
Delta R.T. 0.00 min

Lab File: VU027251.D

Acq: 28 Sep 2018 02:02

Tgt Ion:	180	Resp:	76613
Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.4	142.2
145	30.1	14.9	44.5





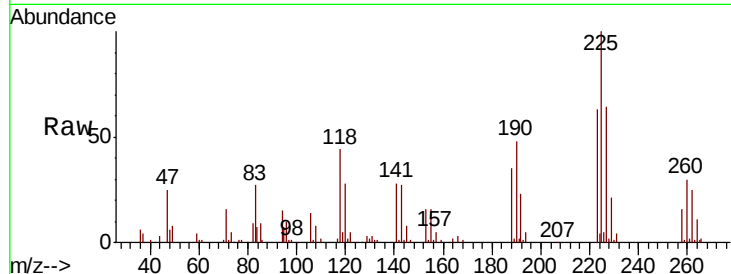
#94
Hexachlorobutadiene
Concen: 46.480 ug/l
RT: 13.69 min Scan# 3894
Delta R.T. 0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW311I-20180919MS

Tot Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.9	95.7
227	64.4	32.1	96.5

Manual Integrations
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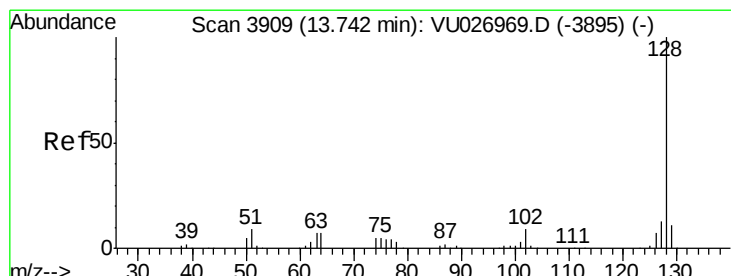
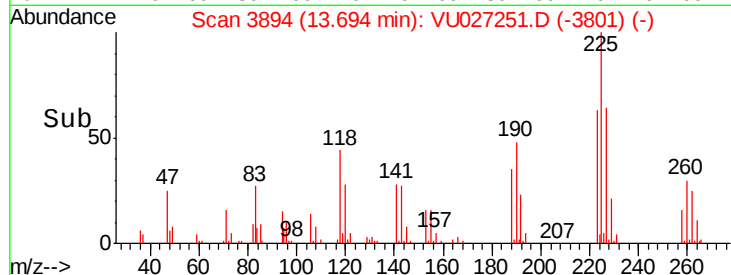
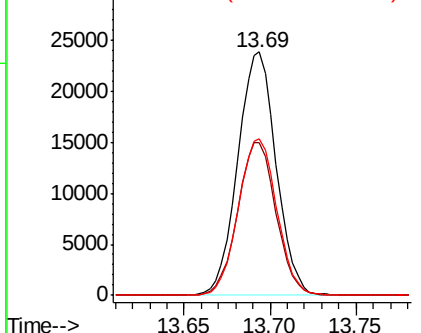


Abundance

Ion 224.70 (224.40 to 225.40): V

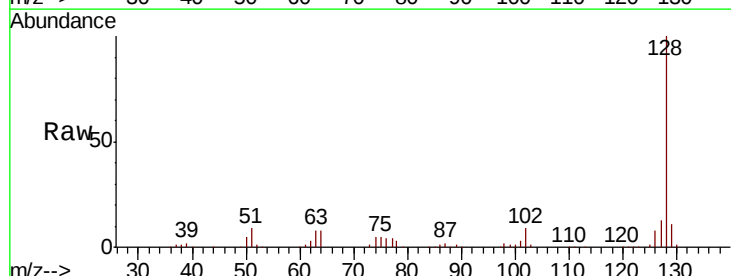
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95
Naphthalene
Concen: 47.227 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027251.D
Acq: 28 Sep 2018 02:02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.7	8.6	12.8

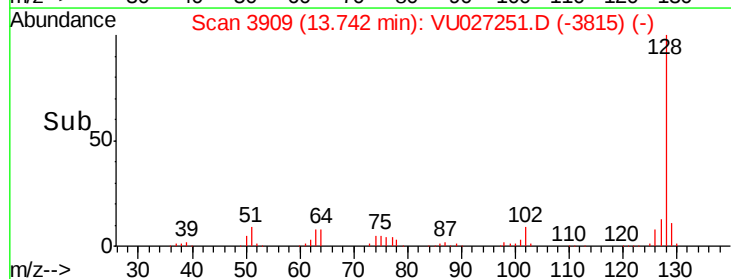
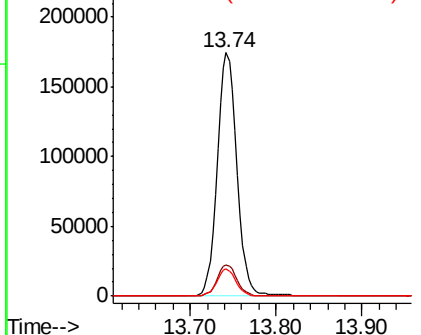


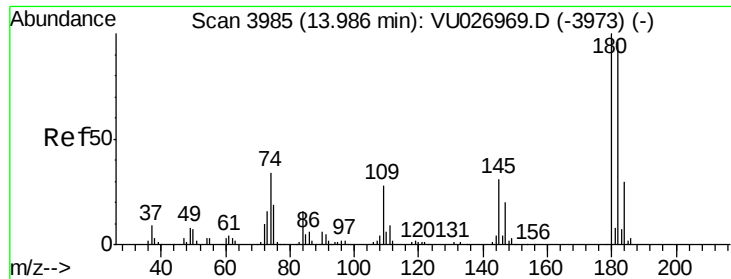
Abundance

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





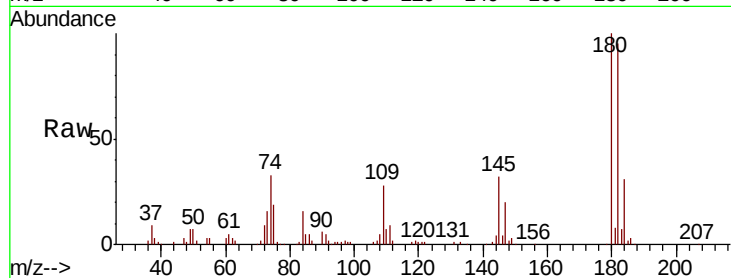
#96
 1,2,3-Trichlorobenzene
 Concen: 50.889 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU027251.D
 Acq: 28 Sep 2018 02:02

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW311I-20180919MS

Tot Ion:	180	Resp:	82177
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.5	142.5
145	31.3	15.4	46.4

Manual Integrations
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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

