

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU027038.D
 Acq On : 22 Sep 2018 23:56
 Operator : MD/SY
 Sample : J4958-03MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 78 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW308D-20180914MSD

Manual Integrations
 APPROVED

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 9/24/2018 2:14:24 PM

Quant Time: Sep 24 05:39:31 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	86525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	149450	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	147399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	78521	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	86258	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
35) Dibromofluoromethane	4.88	113	60434	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	
50) Toluene-d8	7.57	98	224669	45.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.02%	
62) 4-Bromofluorobenzene	10.31	95	81824	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	48955	43.335	ug/l	100
3) Chloromethane	1.33	50	86266	44.291	ug/l	98
4) Vinyl Chloride	1.40	62	83130	45.723	ug/l	99
5) Bromomethane	1.62	94	45498	43.945	ug/l	100
6) Chloroethane	1.69	64	54495	46.911	ug/l	100
7) Trichlorofluoromethane	1.88	101	92764	44.923	ug/l	99
8) Diethyl Ether	2.10	74	47696	47.988	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	53714	42.306	ug/l	99
10) Methyl Iodide	2.41	142	62304	39.566	ug/l	100
11) Tert butyl alcohol	2.83	59	106434	266.648	ug/l	98
12) 1,1-Dichloroethene	2.28	96	54987	46.013	ug/l	97
13) Acrolein	2.19	56	52345	243.272	ug/l	98
14) Allyl chloride	2.59	41	122371	50.487	ug/l	96
15) Acrylonitrile	2.94	53	255154	253.626	ug/l	99
16) Acetone	2.32	43	226762	244.790	ug/l	100
17) Carbon Disulfide	2.48	76	172310	44.261	ug/l	99
18) Methyl Acetate	2.61	43	116587	47.036	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	228549	52.044	ug/l	99
20) Methylene Chloride	2.70	84	71081	45.576	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	60736	47.602	ug/l	99
22) Diisopropyl ether	3.57	45	277213	53.471	ug/l	98
23) Vinyl Acetate	3.53	43	1072067	242.590	ug/l	99
24) 1,1-Dichloroethane	3.45	63	141401	49.522	ug/l	99
25) 2-Butanone	4.26	43	364028	248.738	ug/l	99
26) 2,2-Dichloropropane	4.23	77	90638	40.703	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	70718	49.079	ug/l	99
28) Bromochloromethane	4.55	49	73793	53.613	ug/l	96
29) Tetrahydrofuran	4.64	42	237983	268.810	ug/l	97
30) Chloroform	4.68	83	126208	47.618	ug/l	98
31) Cyclohexane	5.00	56	119091	45.835	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	102381	48.380	ug/l	99
36) 1,1-Dichloropropene	5.14	75	93166	46.709	ug/l	98
37) Ethyl Acetate	4.38	43	117224	43.414	ug/l	99
38) Carbon Tetrachloride	5.14	117	85909	45.260	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	93475	43.125	ug/l	99
40) Benzene	5.39	78	285568	47.096	ug/l	100
41) Methacrylonitrile	4.54	41	74084	52.830	ug/l	99
42) 1,2-Dichloroethane	5.40	62	111732	48.773	ug/l	99
43) Isopropyl Acetate	5.55	43	193227	49.070	ug/l	98
44) Trichloroethene	6.19	130	59594	46.166	ug/l	98
45) 1,2-Dichloropropane	6.43	63	82705	47.870	ug/l	96
46) Dibromomethane	6.56	93	47810	45.820	ug/l	99
47) Bromodichloromethane	6.76	83	97522	46.221	ug/l	98
48) Methyl methacrylate	6.62	41	101988	47.634	ug/l	98
49) 1,4-Dioxane	6.61	88	40971	962.496	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	694132	262.093	ug/l	98
52) Toluene	7.64	92	167599	48.222	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	113107	49.895	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	116364	46.685	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	70091	47.594	ug/l	98
56) Ethyl methacrylate	8.02	69	118029	46.357	ug/l	98
57) 1,3-Dichloropropane	8.24	76	134104	48.959	ug/l	100
59) 2-Hexanone	8.36	43	530943	256.107	ug/l	100
60) Dibromochloromethane	8.48	129	70461	48.777	ug/l	99
61) 1,2-Dibromoethane	8.59	107	72956	47.612	ug/l	98
64) Tetrachloroethene	8.23	164	48320	42.542	ug/l	98
65) Chlorobenzene	9.12	112	174012	44.524	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	63492	47.165	ug/l	99
67) Ethyl Benzene	9.25	91	314234	48.895	ug/l	99
68) m/p-Xylenes	9.38	106	232735	89.578	ug/l	98
69) o-Xylene	9.78	106	114796	50.414	ug/l	100
70) Styrene	9.79	104	189435	44.752	ug/l	100
71) Bromoform	9.96	173	50011	48.042	ug/l #	100
73) Isopropylbenzene	10.17	105	300421	50.296	ug/l	100
74) N-amyl acetate	10.02	43	167493	48.444	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	124719	45.415	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	107350m	45.002	ug/l	
77) Bromobenzene	10.45	156	69461	47.589	ug/l	95
78) n-propylbenzene	10.59	91	359069	50.806	ug/l	100
79) 2-Chlorotoluene	10.66	91	219363	49.414	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	252274	51.165	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	33715m	45.230	ug/l	
82) 4-Chlorotoluene	10.77	91	249216	50.067	ug/l	98
83) tert-Butylbenzene	11.10	119	237345	48.690	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	256990	51.216	ug/l	99
85) sec-Butylbenzene	11.32	105	293895	49.390	ug/l	99
86) p-Isopropyltoluene	11.48	119	250619	44.980	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	125402	46.169	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	127978	43.231	ug/l	98
89) n-Butylbenzene	11.89	91	225796	42.113	ug/l	99
90) Hexachloroethane	12.15	117	48033	44.390	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	128351	44.485	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27786	49.596	ug/l	99
93) 1,2,4-Trichlorobenzene	13.50	180	80607	48.481	ug/l	100

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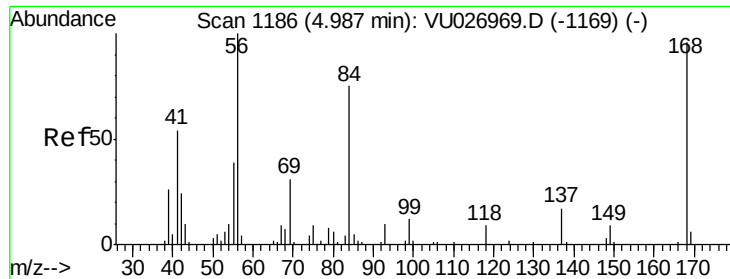
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	35679	40.556	ug/l	100
95) Naphthalene	13.74	128	308667	47.567	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	86464	48.493	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027038.D

Acq: 22 Sep 2018 23:56

Instrument :

MSVOA_U

ClientSampleID :

BPSI-TT-MW308D-20180914MSD

Tot Ion:168 Resp: 86525

Ion Ratio Lower Upper

168 100

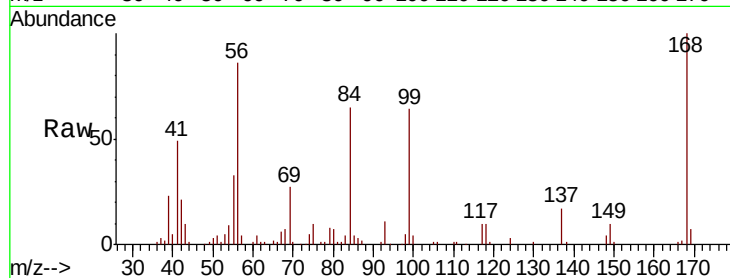
99 63.1 48.1 72.1

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Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.98

40000

30000

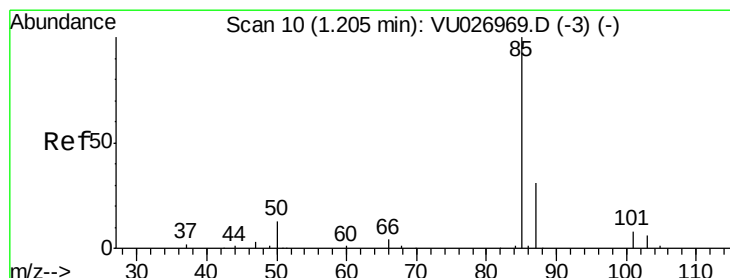
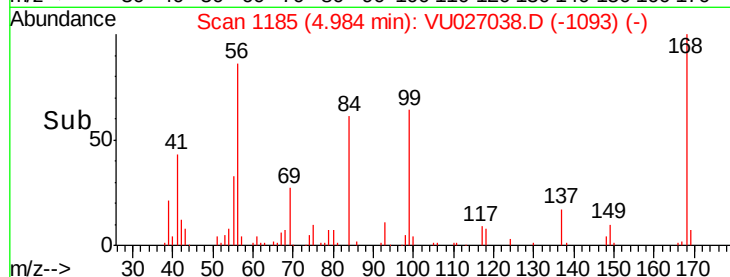
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 43.335 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027038.D

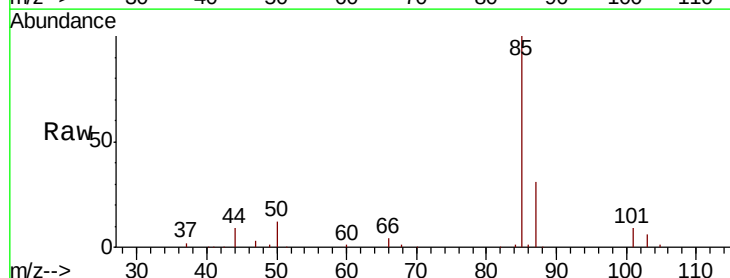
Acq: 22 Sep 2018 23:56

Tgt Ion: 85 Resp: 48955

Ion Ratio Lower Upper

85 100

87 30.9 15.6 46.7



Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

50000

40000

30000

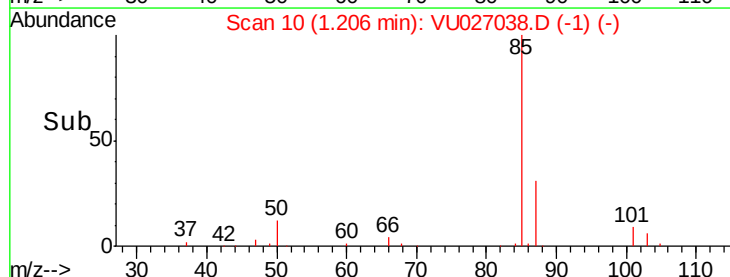
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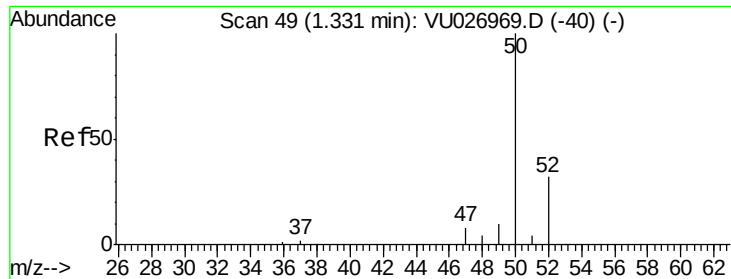
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1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 44.291 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027038.D

Acq: 22 Sep 2018 23:56

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW308D-20180914MSD

Tot Ion: 50 Resp: 86266

Ion Ratio Lower Upper

50 100

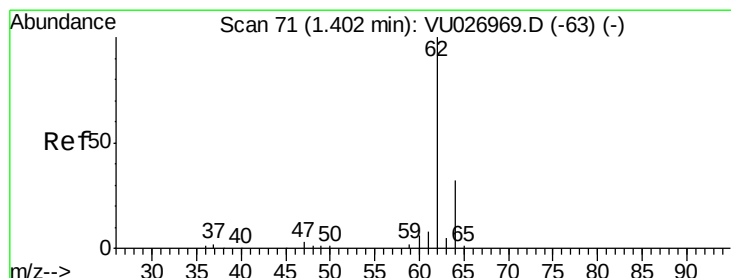
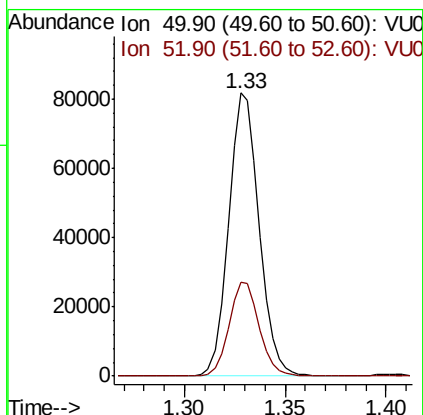
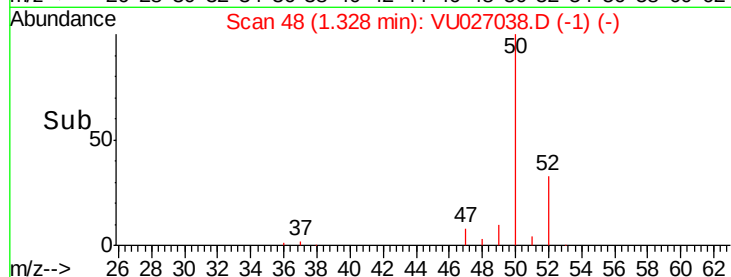
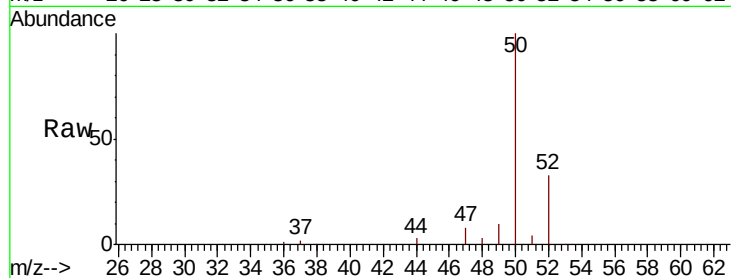
52 33.3 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.723 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027038.D

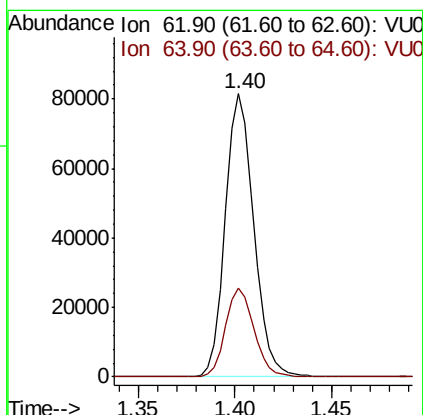
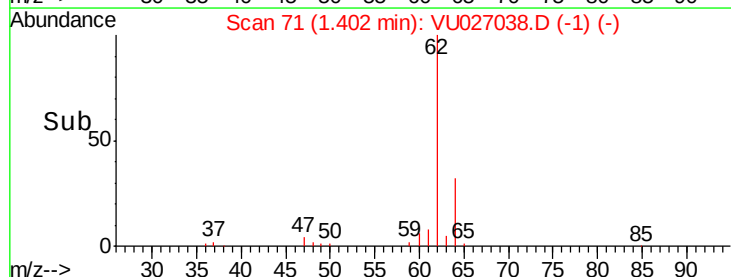
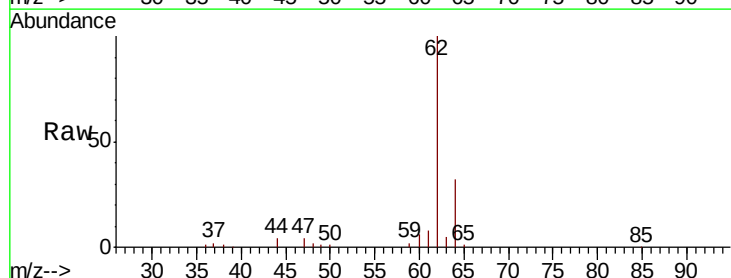
Acq: 22 Sep 2018 23:56

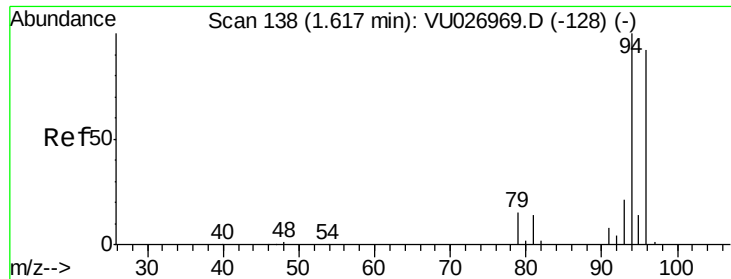
Tgt Ion: 62 Resp: 83130

Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3





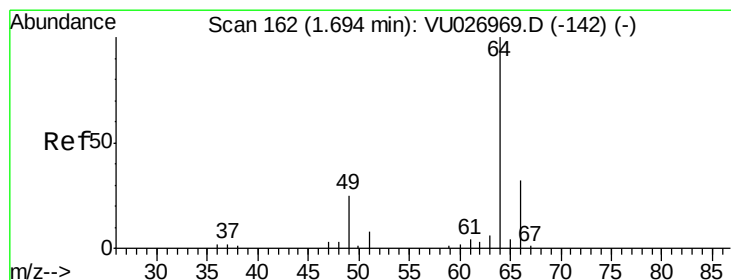
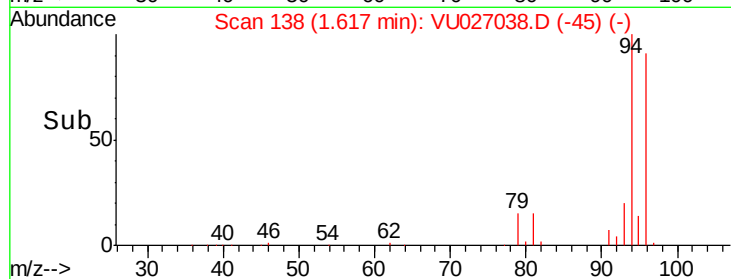
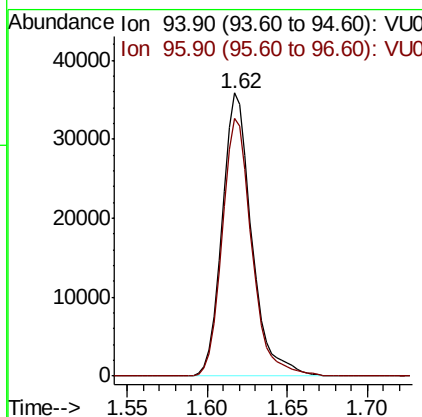
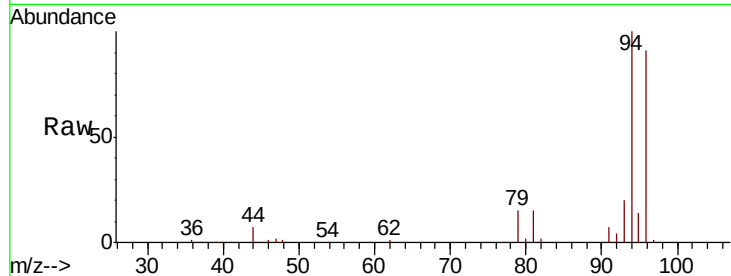
#5
Bromomethane
Concen: 43.945 ug/l
RT: 1.62 min Scan# 138
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

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Tot Ion: 94 Resp: 45498
Ion Ratio Lower Upper
94 100
96 91.0 73.2 109.8

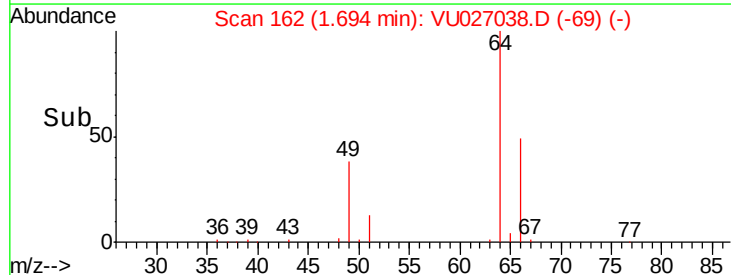
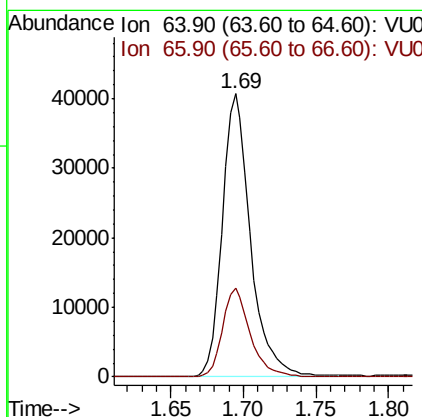
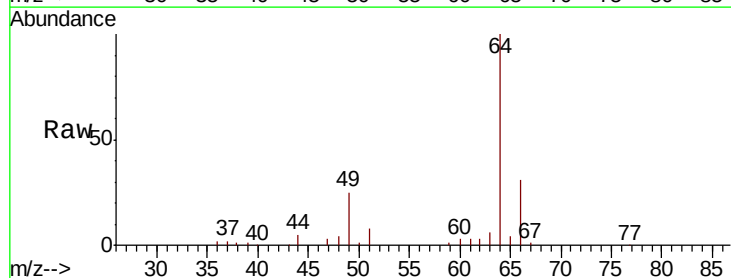
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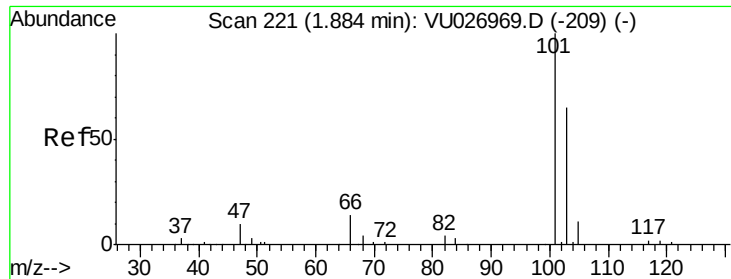
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#6
Chloroethane
Concen: 46.911 ug/l
RT: 1.69 min Scan# 162
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Tgt Ion: 64 Resp: 54495
Ion Ratio Lower Upper
64 100
66 31.4 25.3 37.9





#7

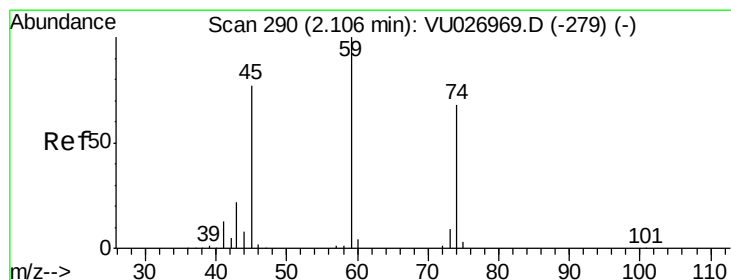
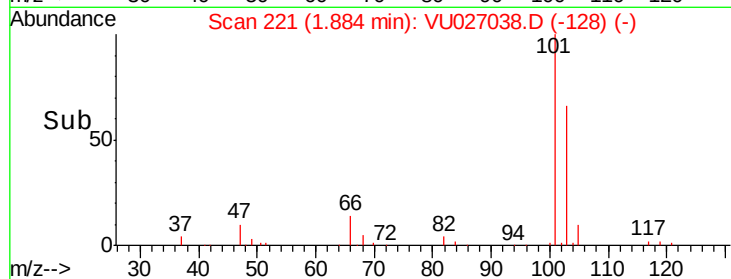
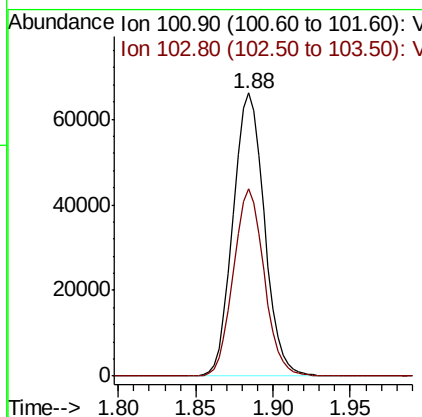
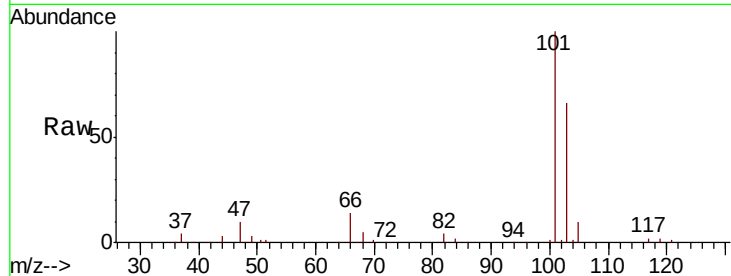
Trichlorofluoromethane
Concen: 44.923 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.2	78.2

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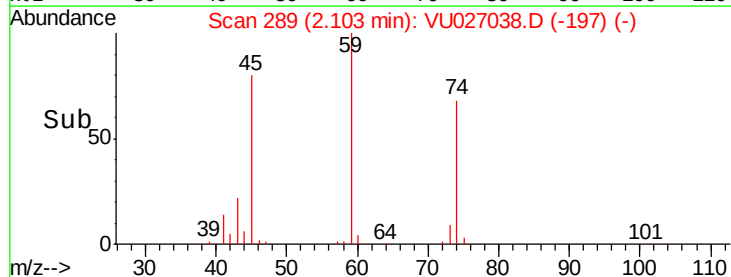
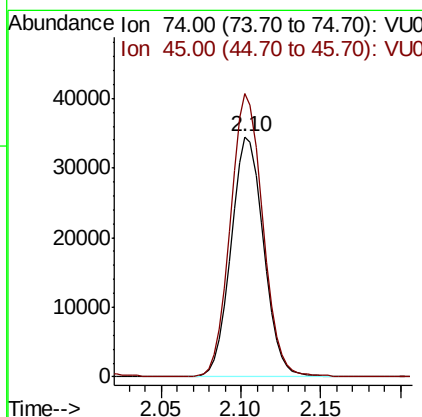
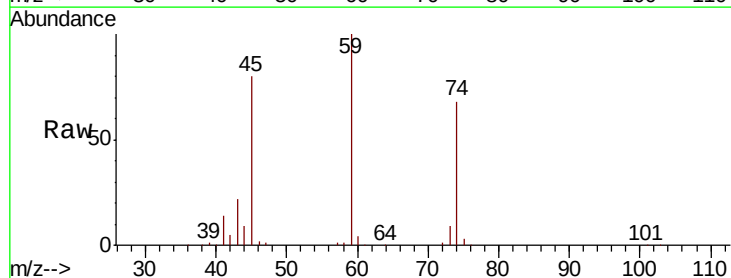
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9/24/2018 2:14:24 PM

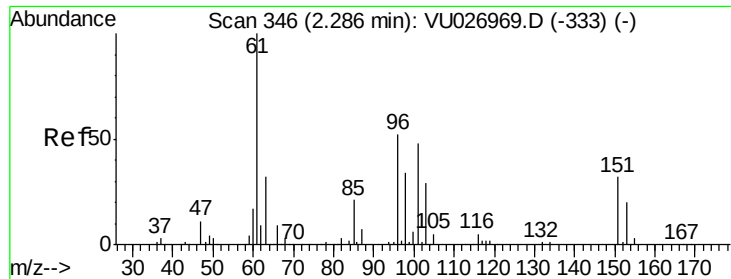


#8

Diethyl Ether
Concen: 47.988 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.9	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.306 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027038.D

Acq: 22 Sep 2018 23:56

Instrument :

MSVOA_U

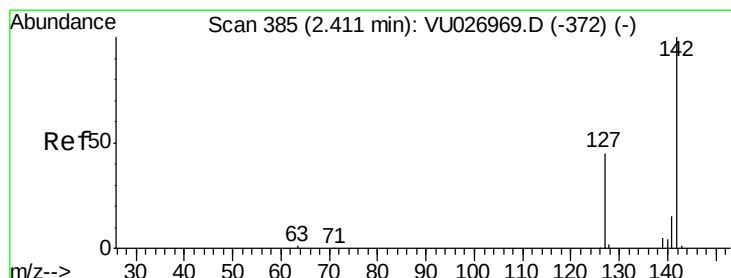
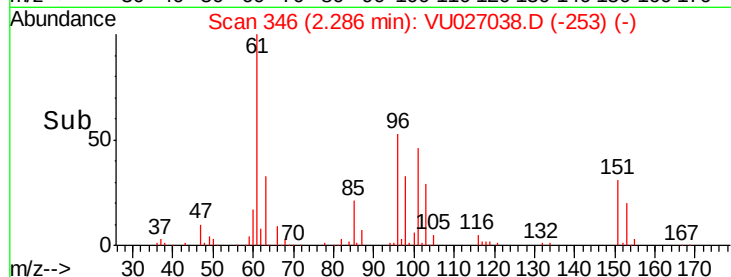
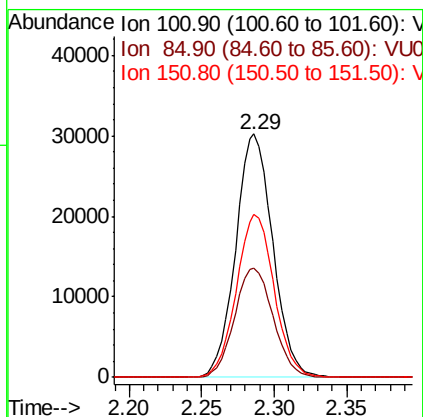
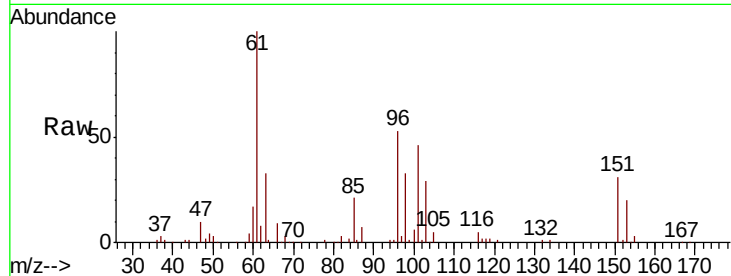
ClientSampleId :

BPSI-TT-MW308D-20180914MSD

Tot Ion:	101	Resp:	53714
Ion Ratio	Lower	Upper	
101	100		
85	46.6	36.2	54.2
151	67.9	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 39.566 ug/l

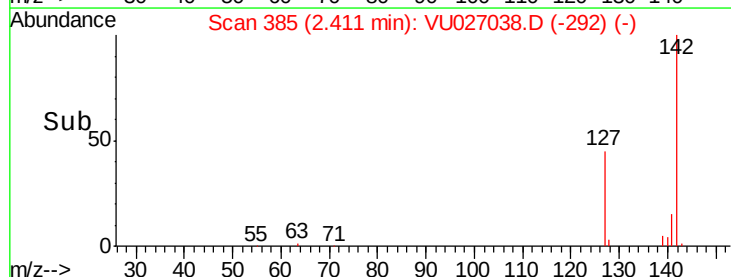
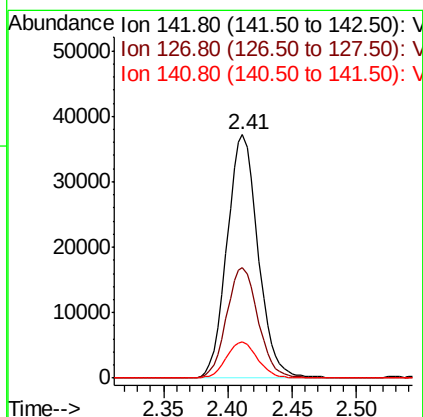
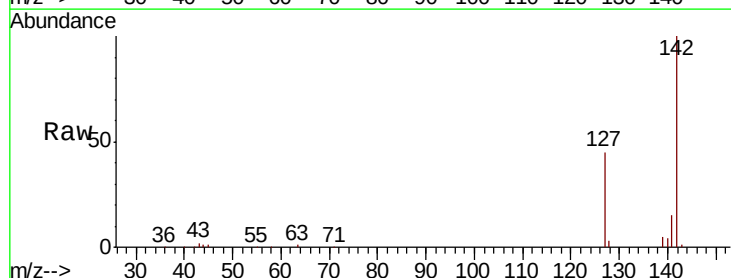
RT: 2.41 min Scan# 385

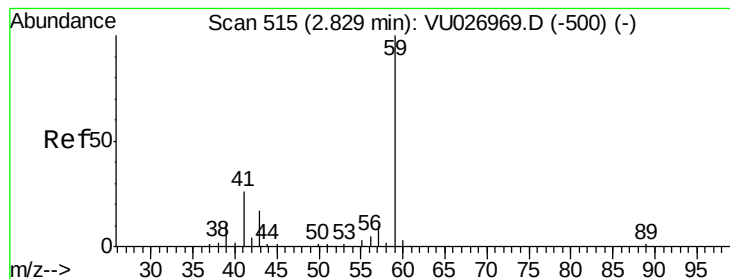
Delta R.T. 0.00 min

Lab File: VU027038.D

Acq: 22 Sep 2018 23:56

Tgt Ion:	142	Resp:	62304
Ion Ratio	Lower	Upper	
142	100		
127	46.2	36.7	55.1
141	14.9	11.8	17.6





#11

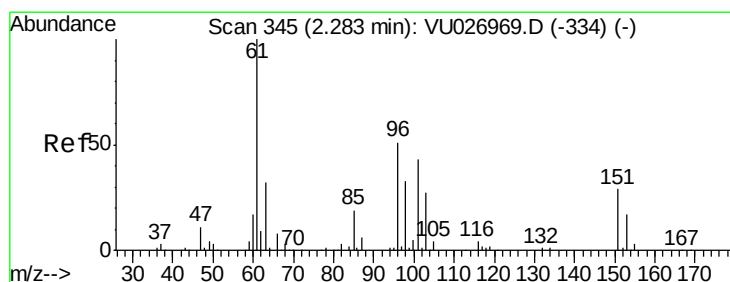
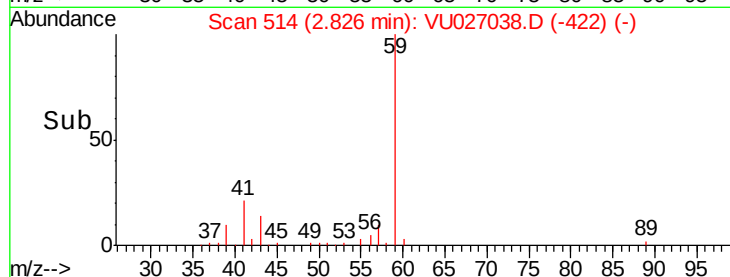
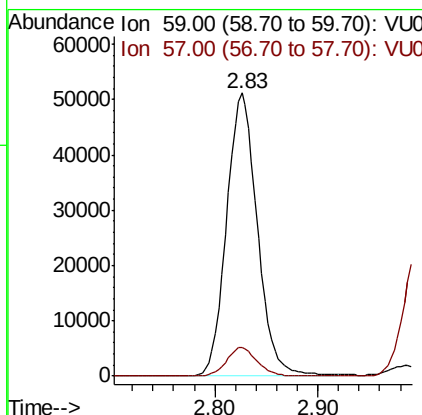
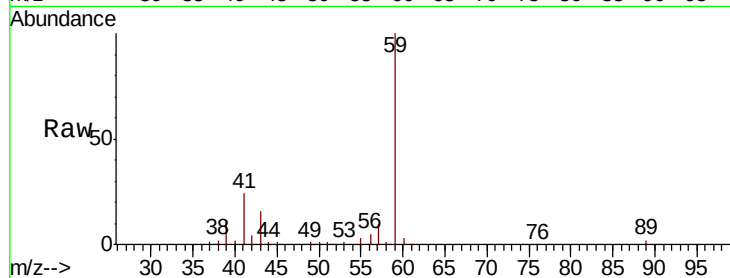
Tert butyl alcohol
 Concen: 266.648 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW308D-20180914MSD

Tot Ion	Ratio	Resp	Lower	Upper
59	100	106434		
57	9.8		8.5	12.7

Manual Integrations
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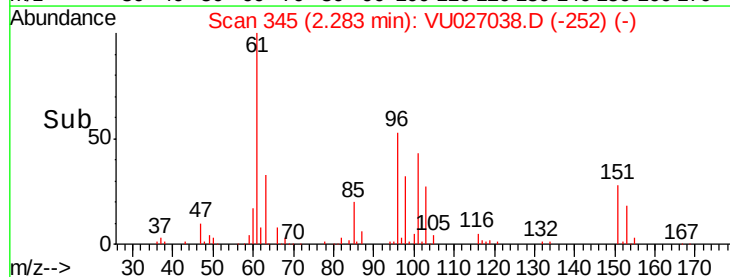
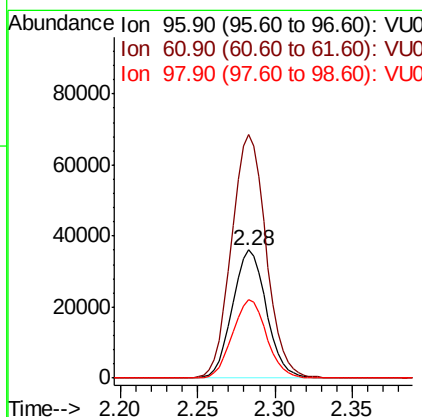
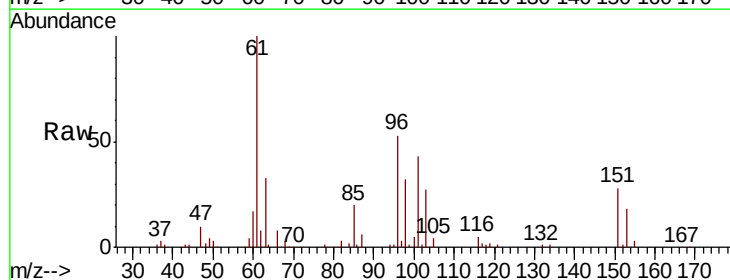
MMDadoda
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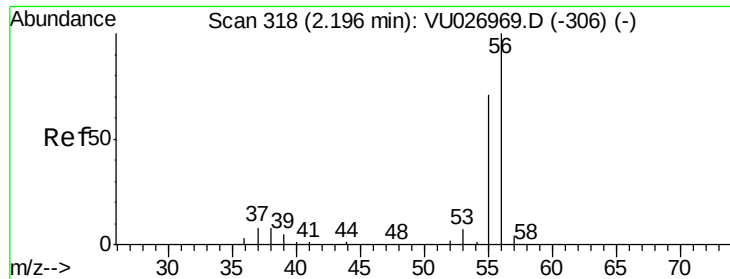


#12

1,1-Dichloroethene
 Concen: 46.013 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	54987		
61	190.3		156.1	234.1
98	61.1		51.4	77.0





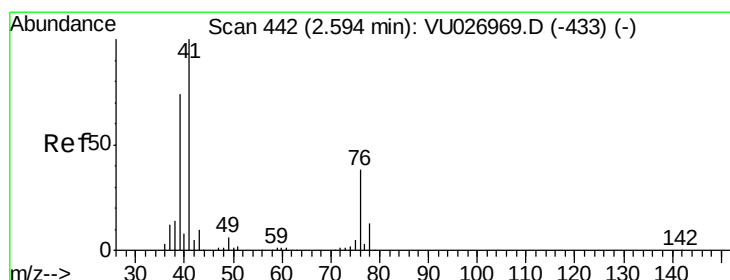
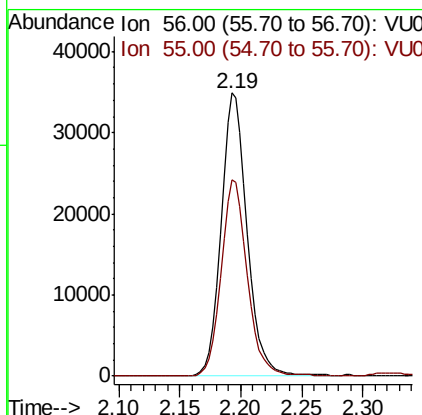
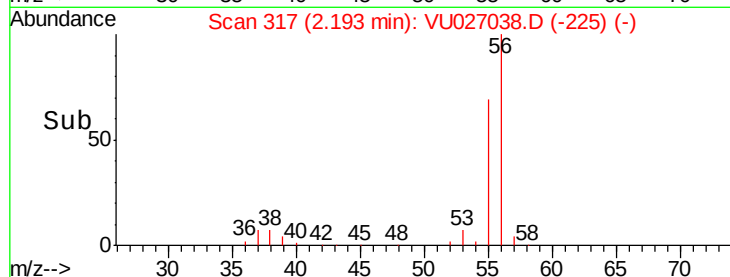
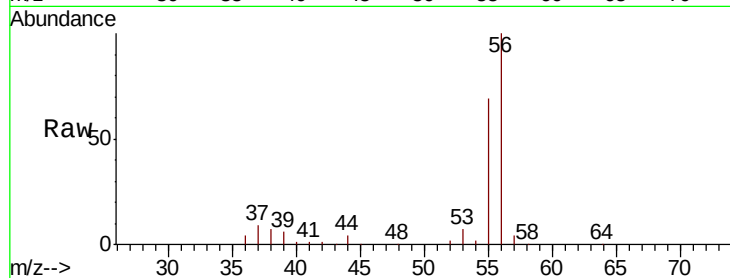
#13
Acrolein
Concen: 243.272 ug/l
RT: 2.19 min Scan# 317
Delta R.T. -0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW308D-20180914MSD

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.7	57.1	85.7

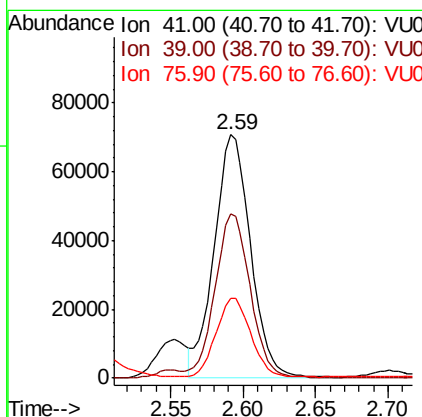
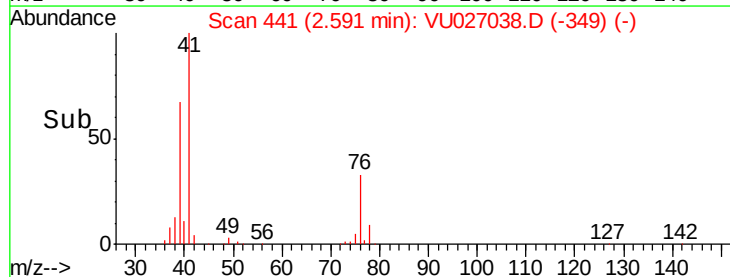
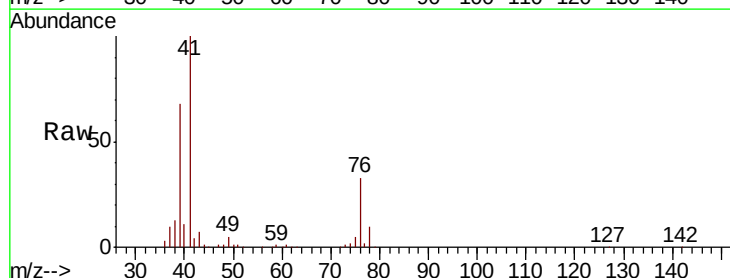
Manual Integrations
APPROVED

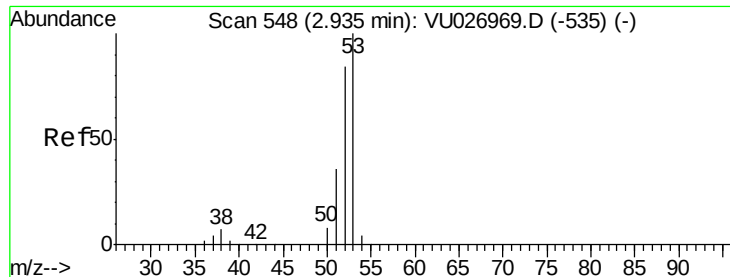
MMDadoda
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#14
Allyl chloride
Concen: 50.487 ug/l
RT: 2.59 min Scan# 441
Delta R.T. -0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.6	55.7	83.5
76	31.2	26.5	39.7





#15

Acrylonitrile

Concen: 253.626 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027038.D

Acq: 22 Sep 2018 23:56

Instrument :

MSVOA_U

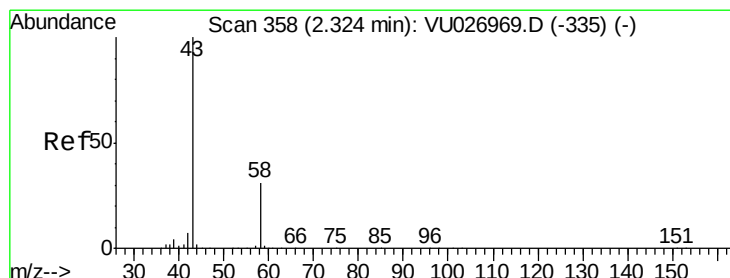
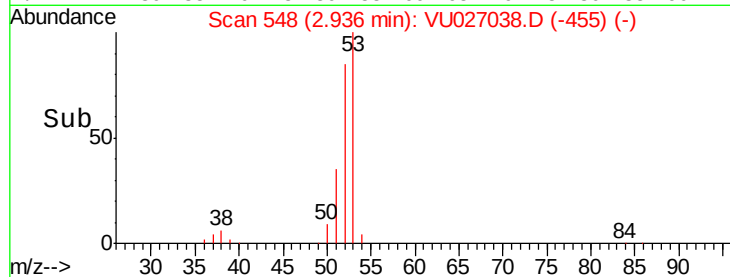
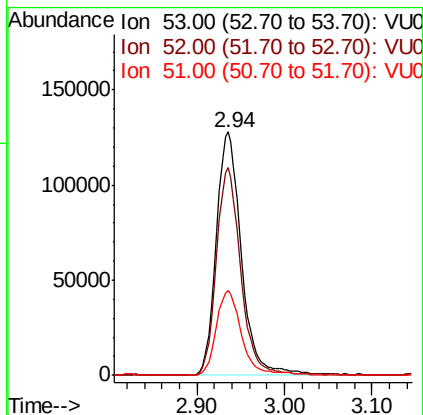
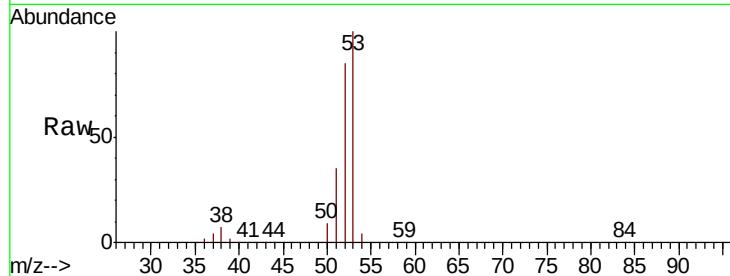
ClientSampleId :

BPSI-TT-MW308D-20180914MSD

Tot Ion:	53	Resp:	255154
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.7	98.5
51	35.5	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 244.790 ug/l

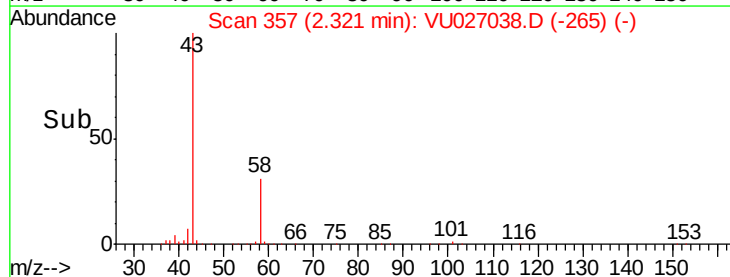
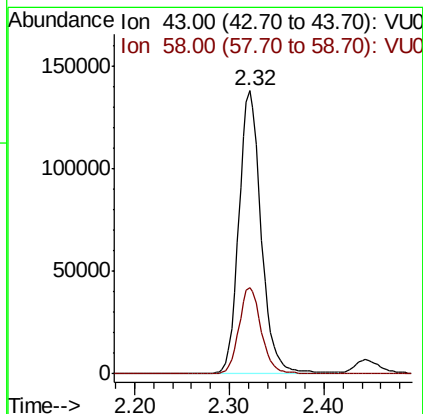
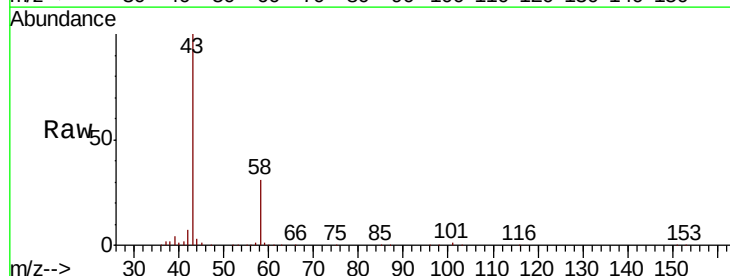
RT: 2.32 min Scan# 357

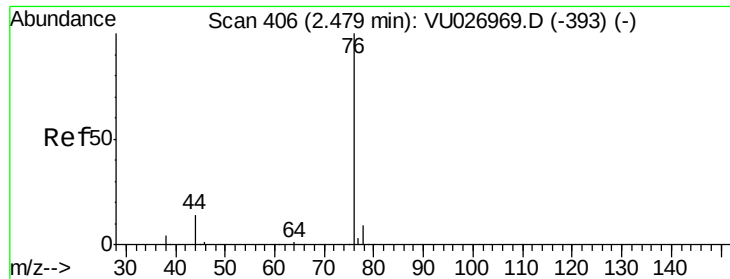
Delta R.T. -0.00 min

Lab File: VU027038.D

Acq: 22 Sep 2018 23:56

Tgt Ion:	43	Resp:	226762
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.6	36.8





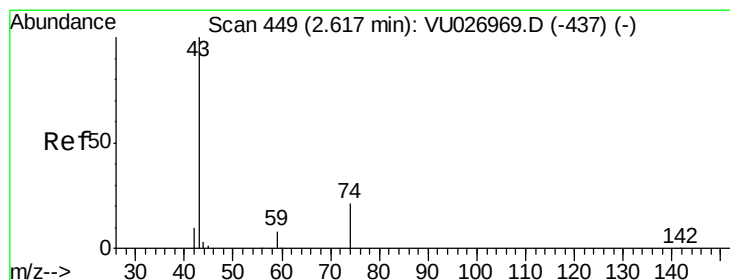
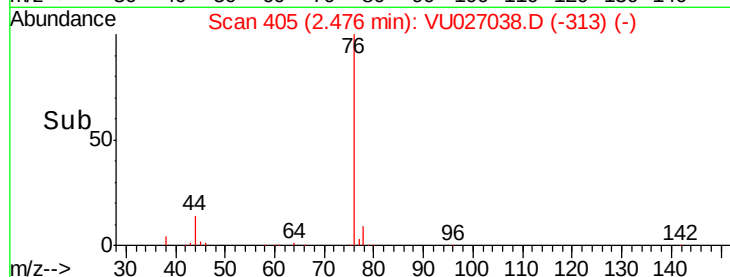
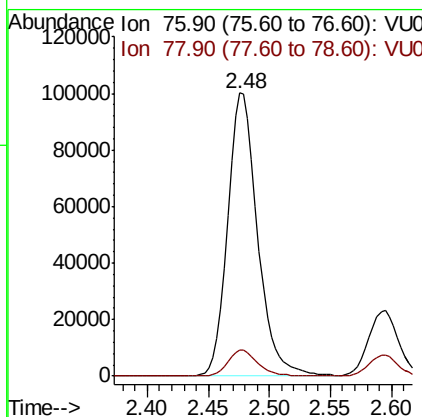
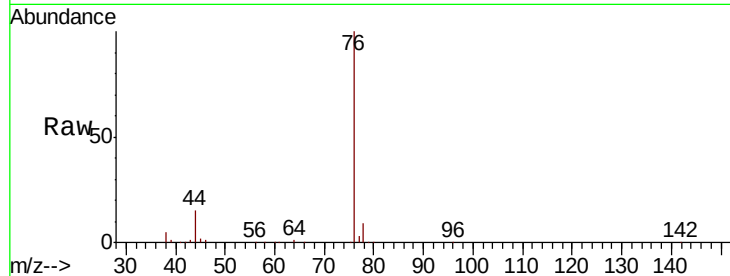
#17
Carbon Disulfide
Concen: 44.261 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW308D-20180914MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

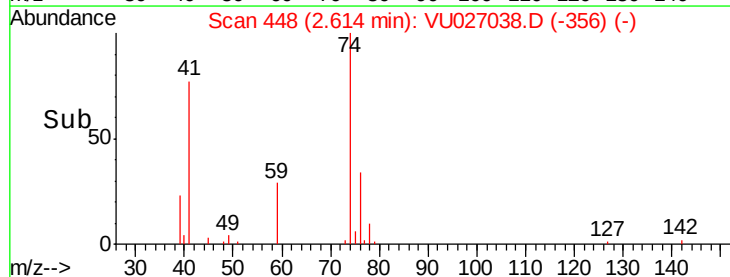
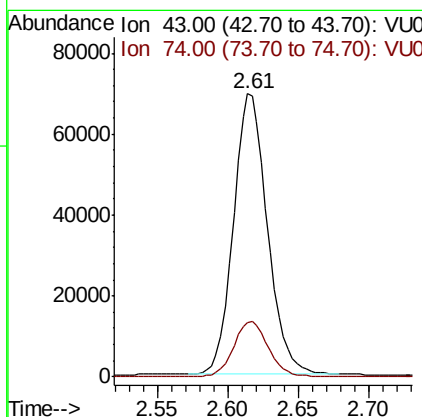
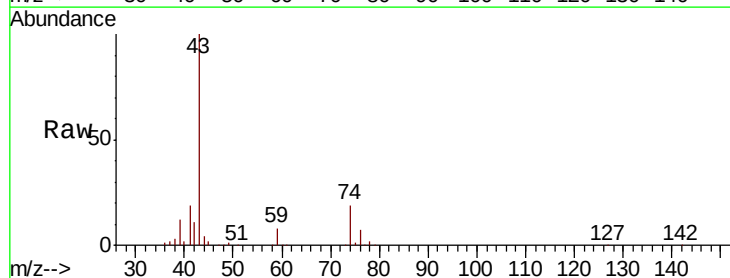
Manual Integrations
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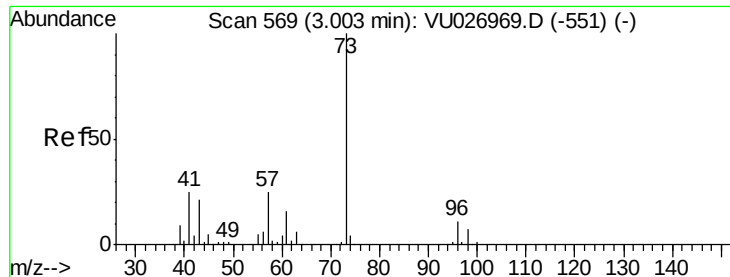
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#18
Methyl Acetate
Concen: 47.036 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	16.6	25.0





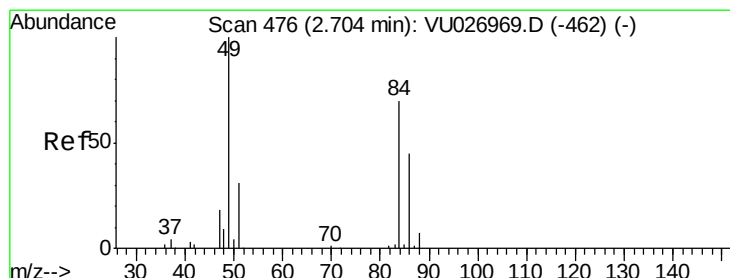
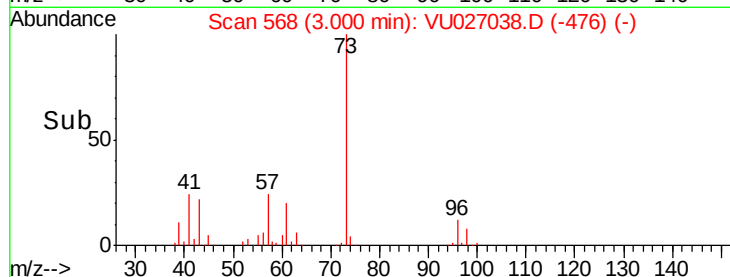
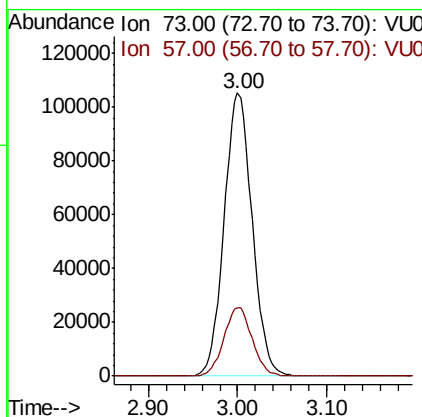
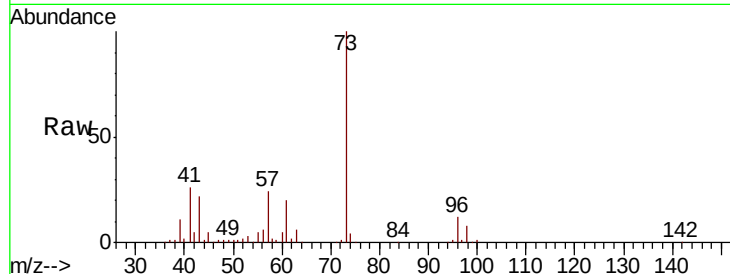
#19
Methyl tert-butyl Ether
Concen: 52.044 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW308D-20180914MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.3	19.8	29.6

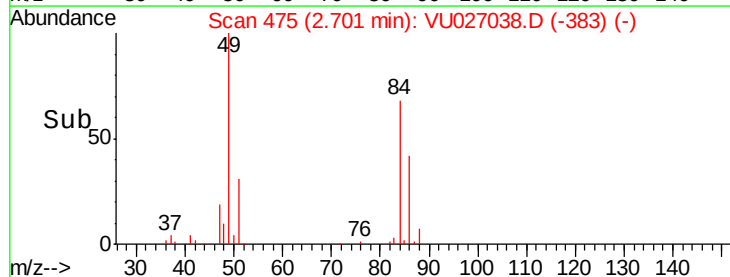
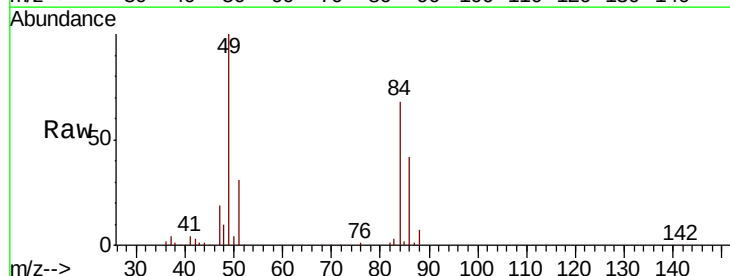
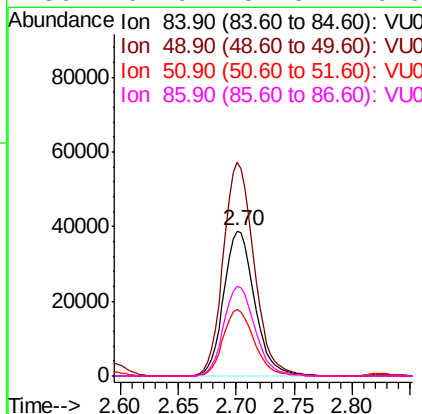
Manual Integrations
APPROVED

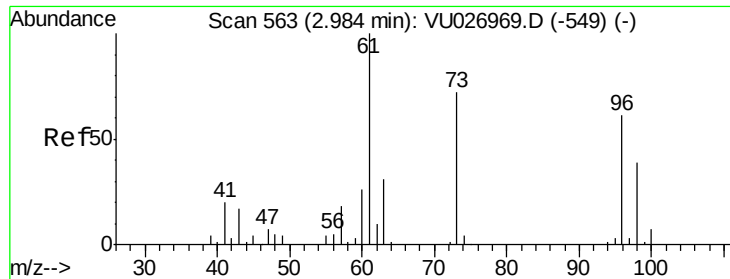
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#20
Methylene Chloride
Concen: 45.576 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.6	114.9	172.3
51	46.1	35.8	53.8
86	62.0	51.3	76.9





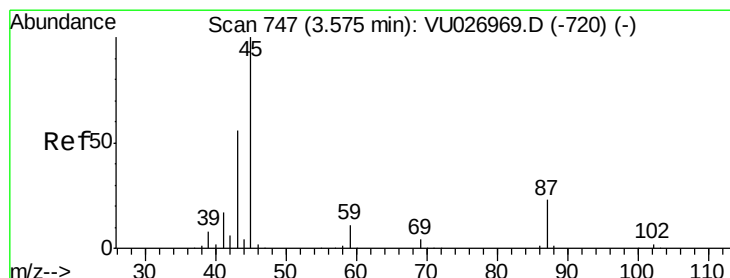
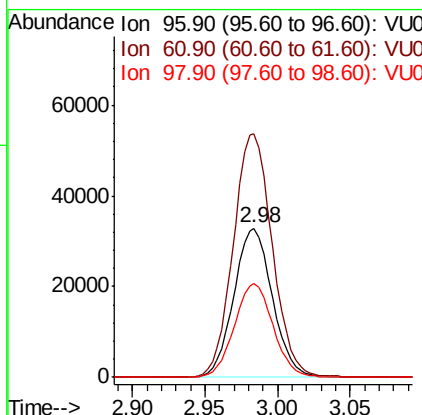
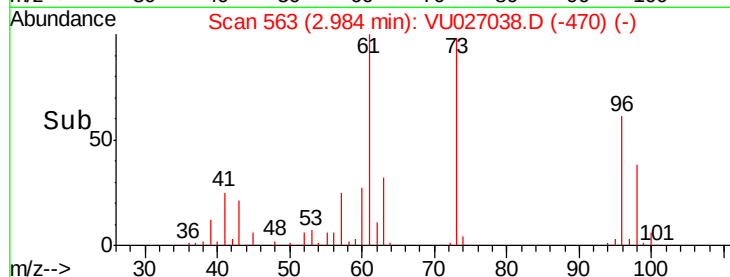
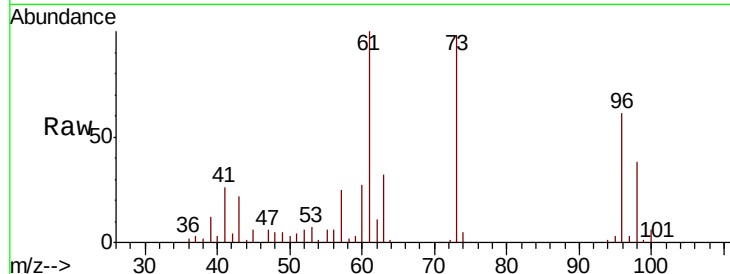
#21
trans-1,2-Dichloroethene
Concen: 47.602 ug/l
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW308D-20180914MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.5	131.8	197.6
98	62.8	50.9	76.3

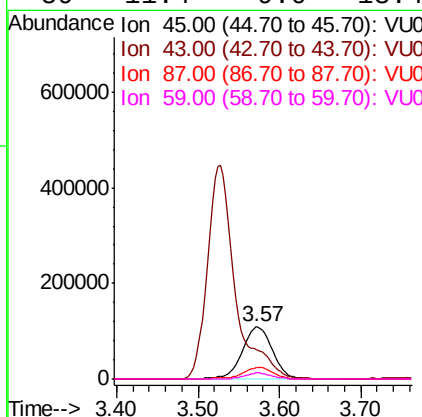
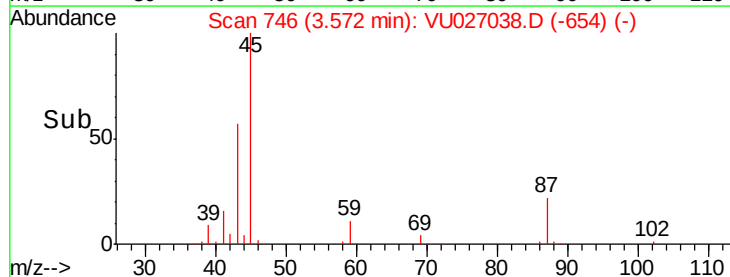
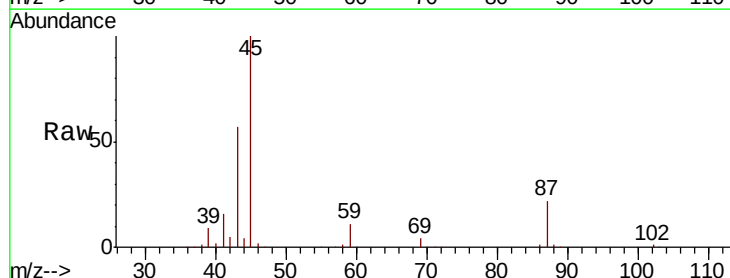
Manual Integrations
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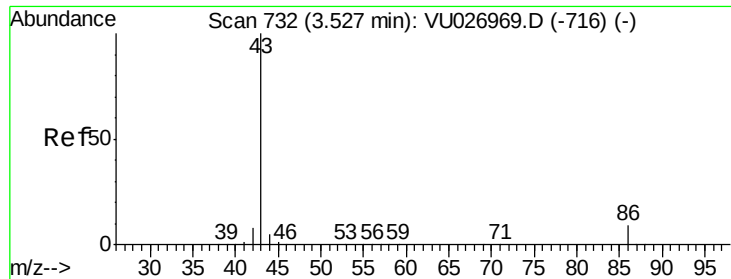
MMDadoda
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#22
Diisopropyl ether
Concen: 53.471 ug/l
RT: 3.57 min Scan# 746
Delta R.T. -0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.0	45.8	68.6
87	21.9	18.6	28.0
59	11.4	9.0	13.4





#23

Vinyl Acetate

Concen: 242.590 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027038.D

Acq: 22 Sep 2018 23:56

Tot Ion: 43 Resp: 1072067

Ion Ratio Lower Upper

43 100

86 8.7 7.2 10.8

Instrument :

MSVOA_U

ClientSampleId :

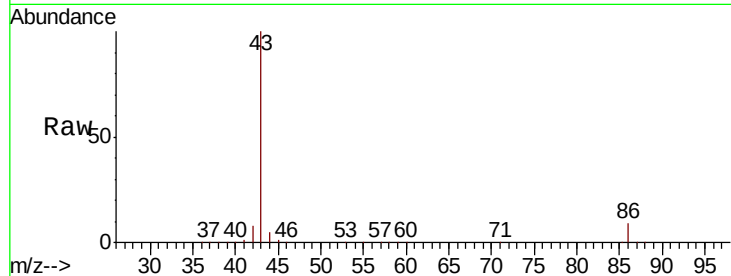
BPSI-TT-MW308D-20180914MSD

Manual Integrations

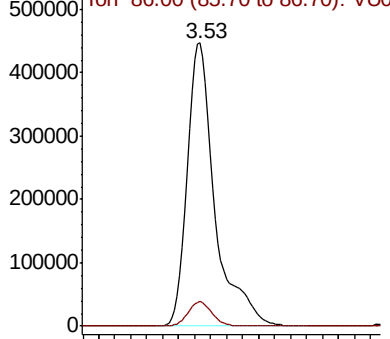
APPROVED

MMDadoda

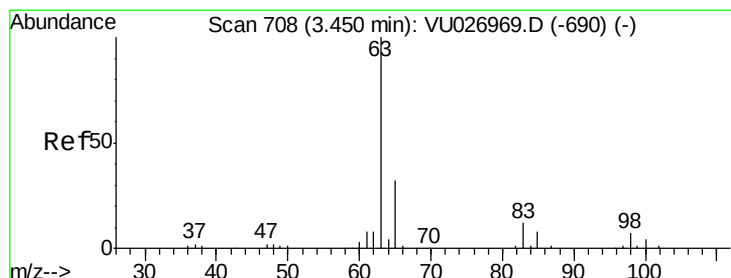
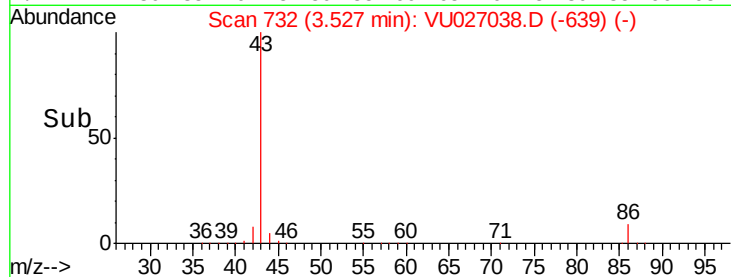
9/24/2018 2:14:24 PM



Abundance Ion 43.00 (42.70 to 43.70): VU027038.D (-639) (-)



Time-->



#24

1,1-Dichloroethane

Concen: 49.522 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027038.D

Acq: 22 Sep 2018 23:56

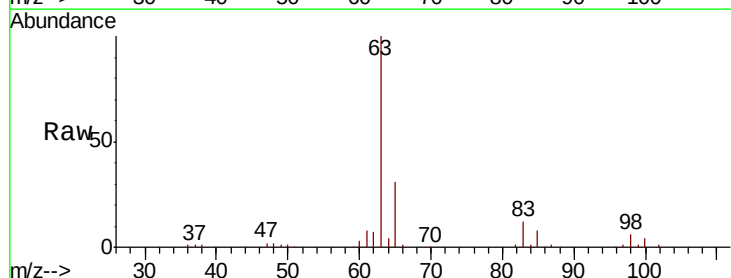
Tgt Ion: 63 Resp: 141401

Ion Ratio Lower Upper

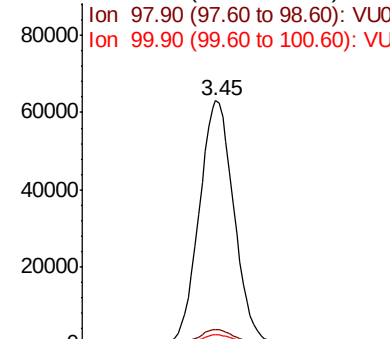
63 100

98 6.1 3.3 9.8

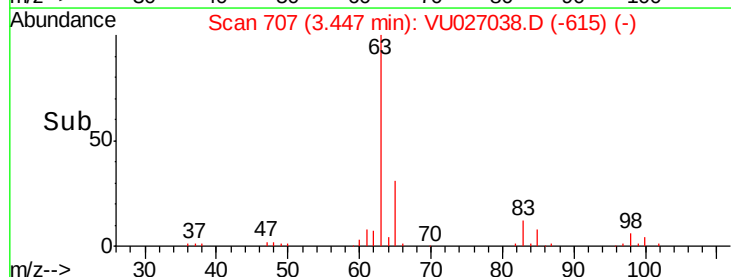
100 3.9 2.0 5.8

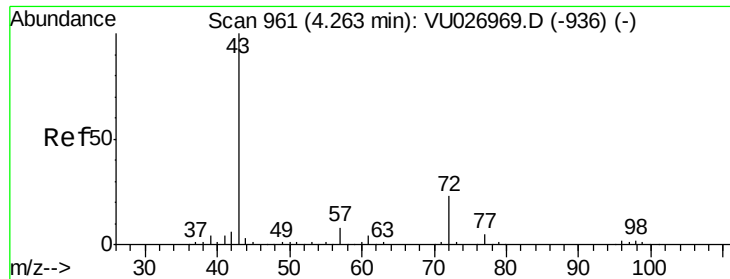


Abundance Ion 62.90 (62.60 to 63.60): VU027038.D (-615) (-)



Time-->





#25

2-Butanone

Concen: 248.738 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027038.D

Acq: 22 Sep 2018 23:56

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW308D-20180914MSD

Tot Ion: 43 Resp: 364028

Ion Ratio Lower Upper

43 100

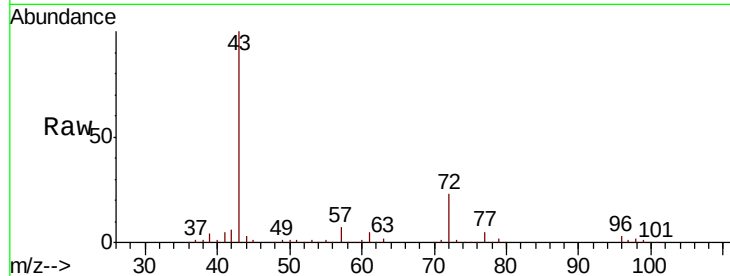
72 22.6 18.4 27.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-936) (-)

Ion 72.00 (71.70 to 72.70): VU026969.D (-936) (-)

4.26

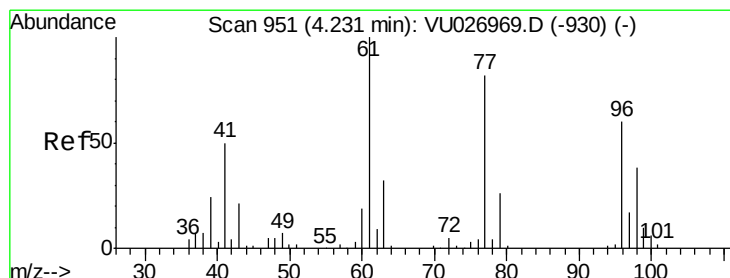
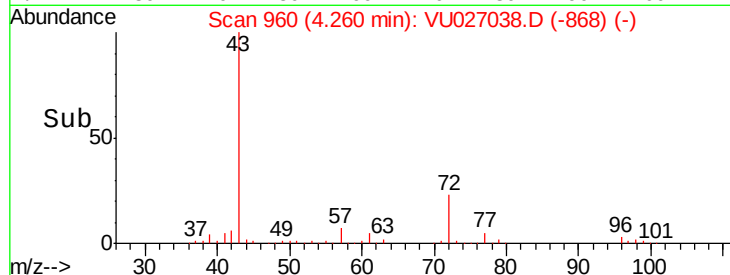
150000

100000

50000

0

Time--> 4.15 4.20 4.25 4.30 4.35



#26

2,2-Dichloropropane

Concen: 40.703 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027038.D

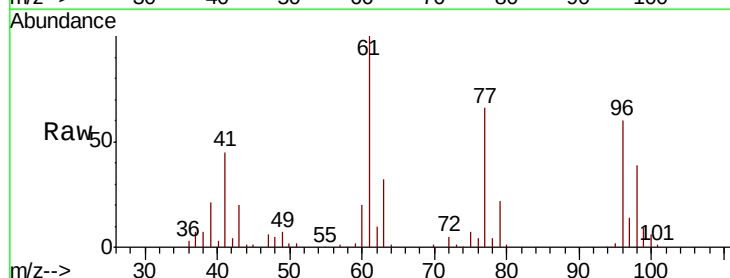
Acq: 22 Sep 2018 23:56

Tgt Ion: 77 Resp: 90638

Ion Ratio Lower Upper

77 100

97 21.2 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU026969.D (-930) (-)

Ion 96.90 (96.60 to 97.60): VU026969.D (-930) (-)

4.23

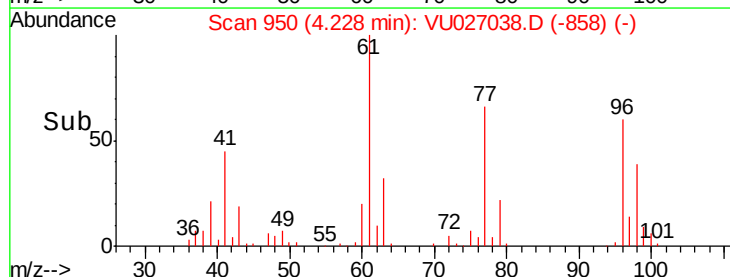
30000

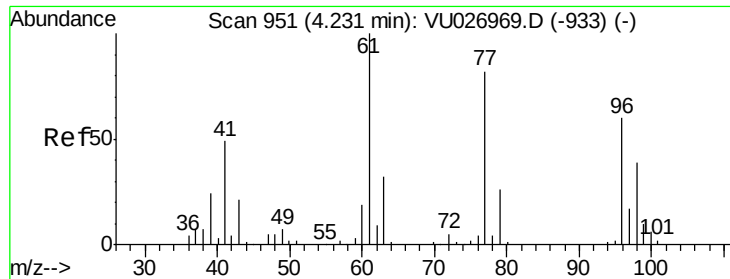
20000

10000

0

Time--> 4.10 4.20 4.30





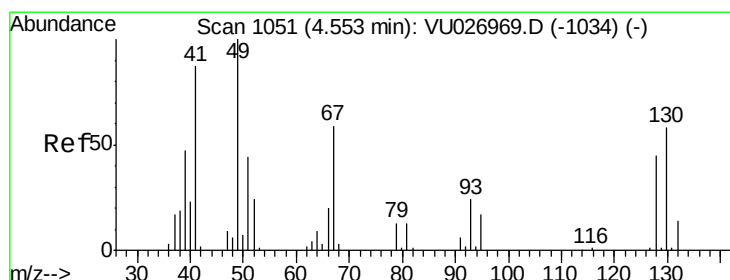
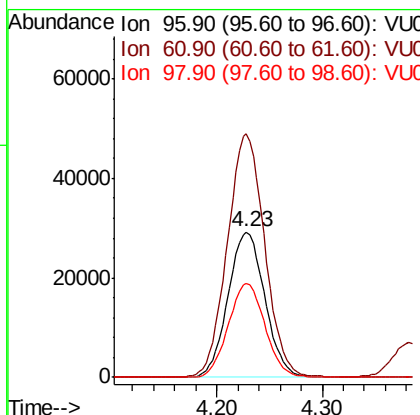
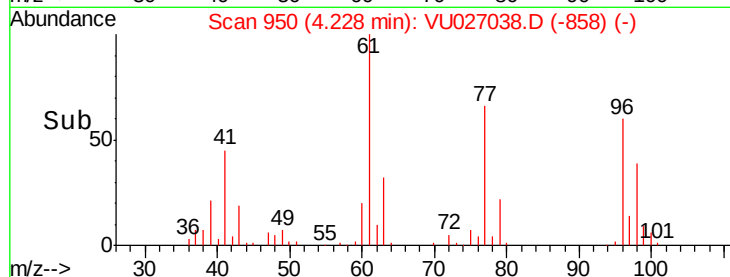
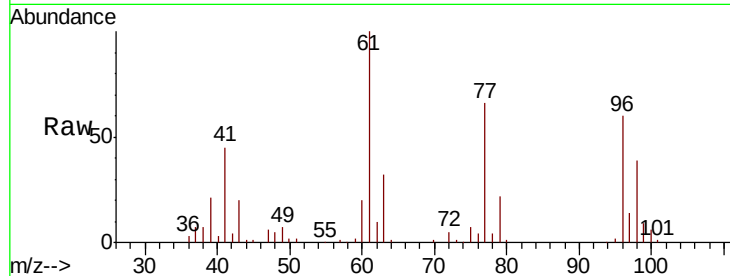
#27
 cis-1,2-Dichloroethene
 Concen: 49.079 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW308D-20180914MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	70718		
61	169.9	0.0	337.2	
98	64.2	0.0	127.6	

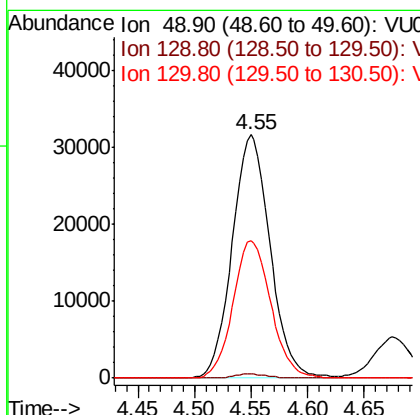
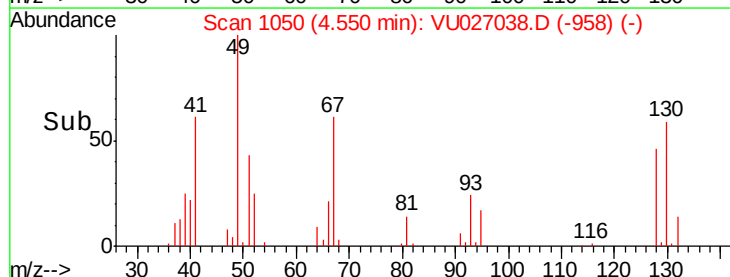
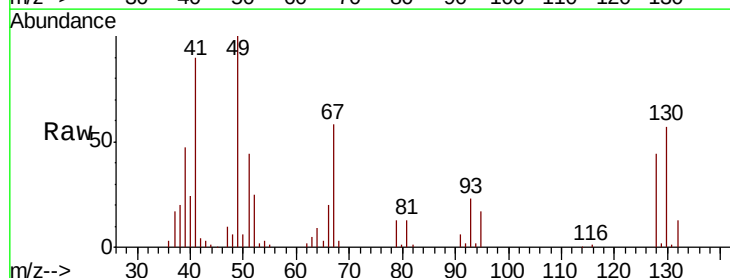
Manual Integrations
 APPROVED

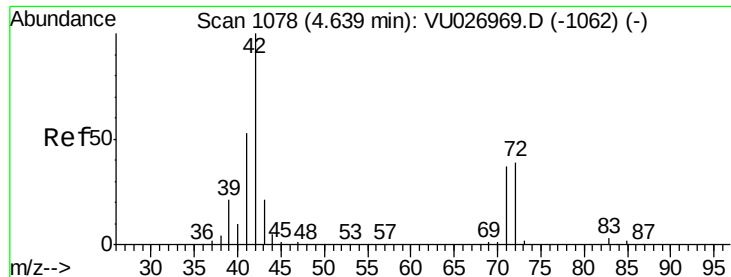
MMDadoda
 9/24/2018 2:14:24 PM



#28
 Bromochloromethane
 Concen: 53.613 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	73793		
129	1.4	0.0	3.0	
130	56.4	47.8	71.8	





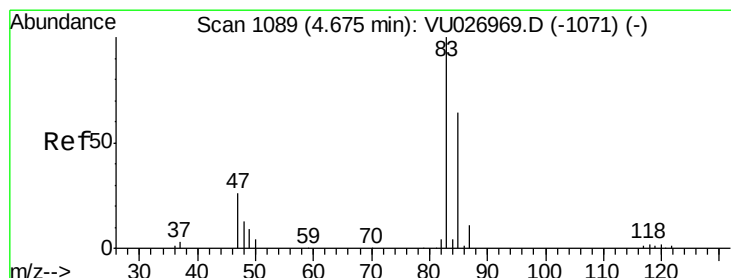
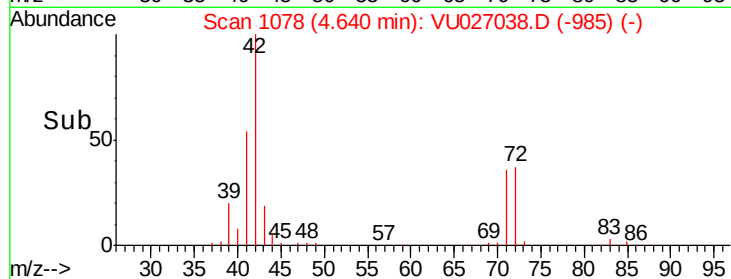
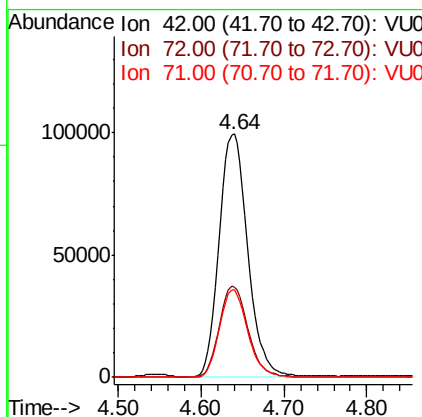
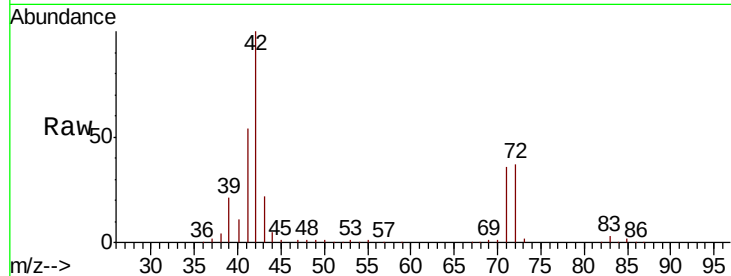
#29
Tetrahydrofuran
Concen: 268.810 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW308D-20180914MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	31.7	47.5
71	35.6	29.6	44.4

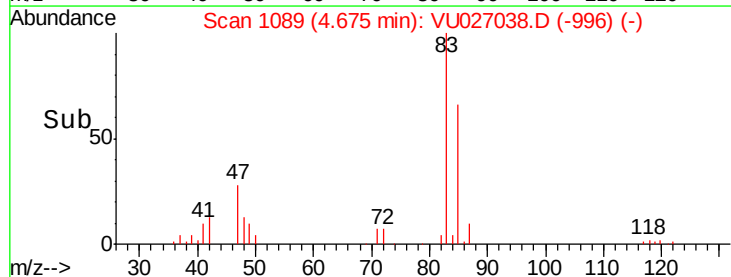
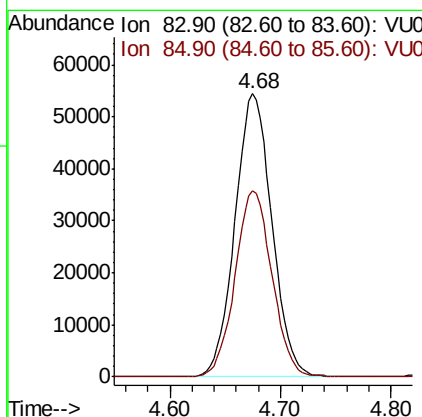
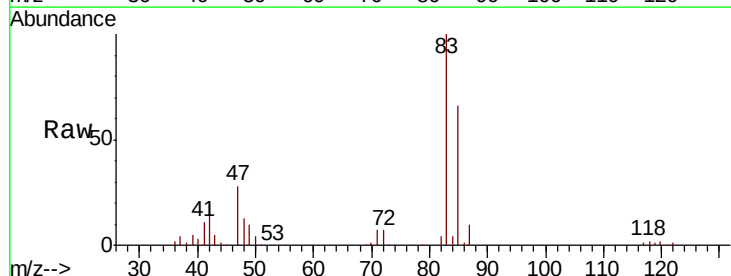
Manual Integrations
APPROVED

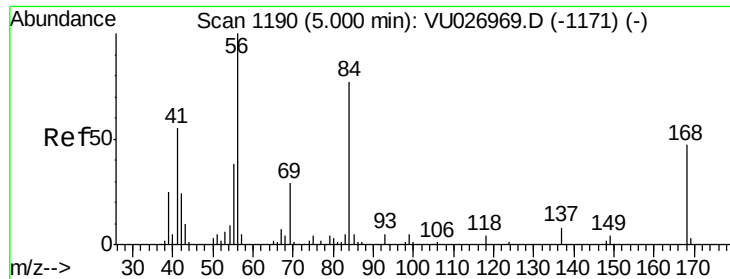
MMDadoda
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#30
Chloroform
Concen: 47.618 ug/l
RT: 4.68 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.5	77.3





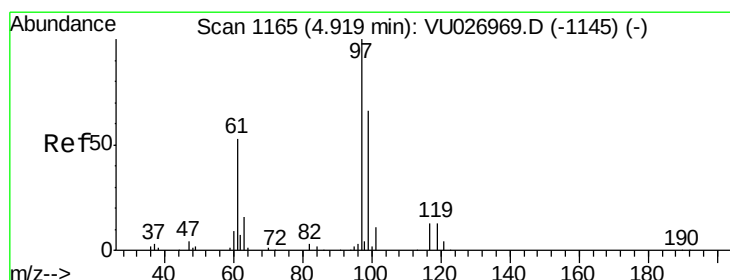
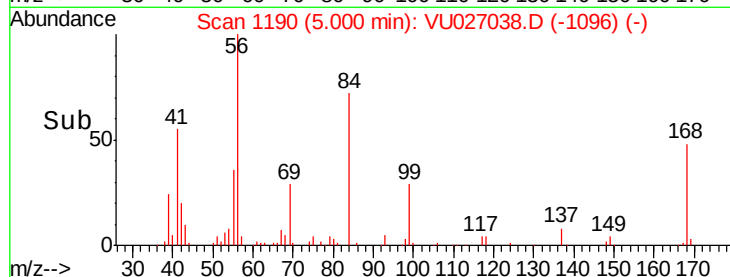
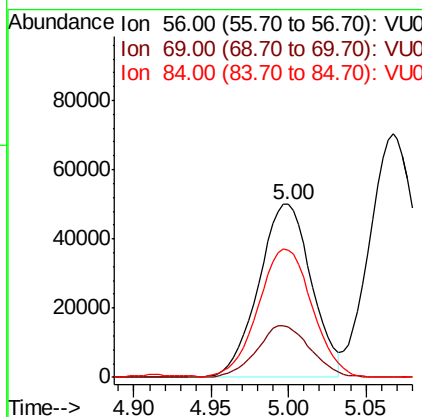
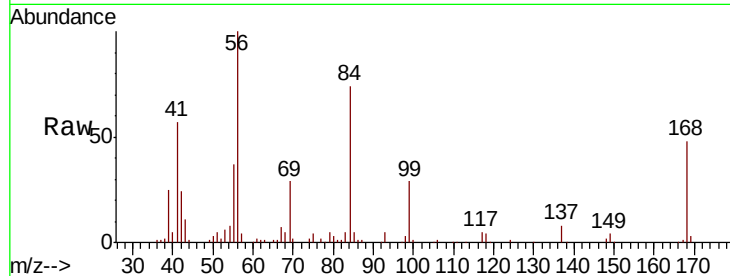
#31
Cyclohexane
Concen: 45.835 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW308D-20180914MSD

Tot Ion	Ratio	Resp	Lower	Upper
56	100	119091		
69	29.0		23.0	34.4
84	72.9		61.4	92.2

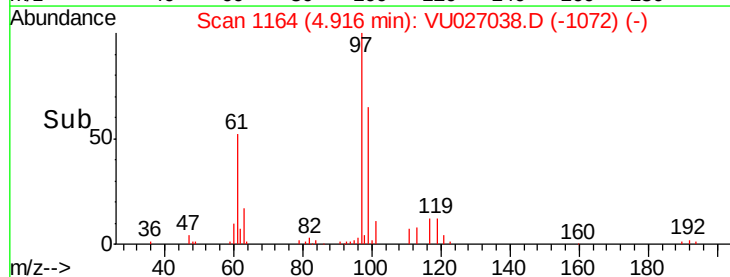
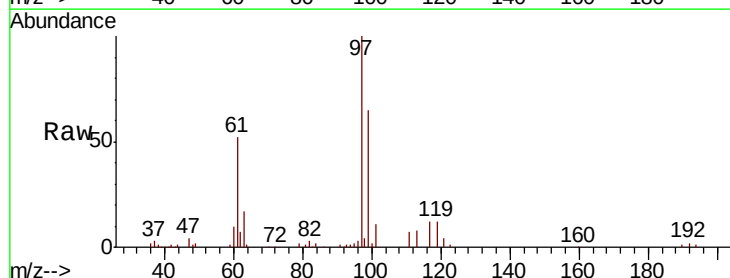
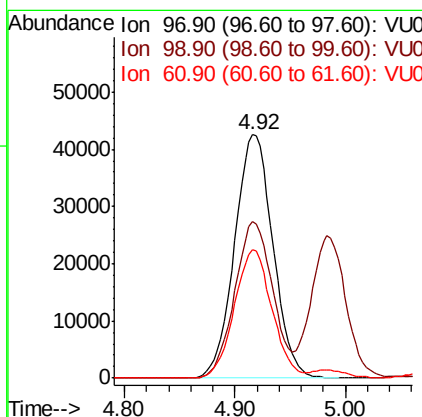
Manual Integrations
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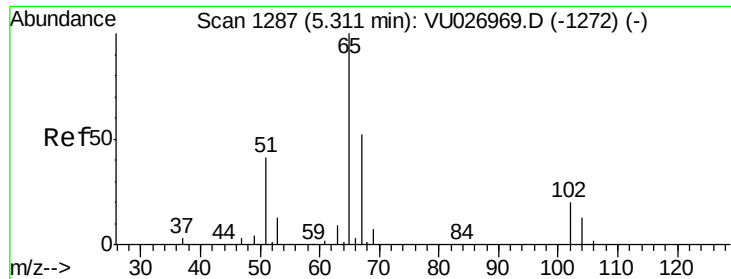
MMDadoda
9/24/2018 2:14:24 PM



#32
1,1,1-Trichloroethane
Concen: 48.380 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	102381		
99	63.7		51.8	77.6
61	52.0		41.1	61.7





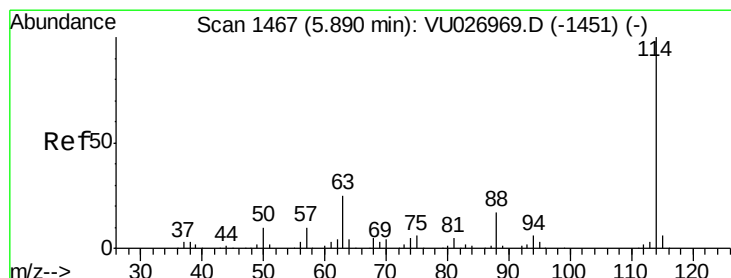
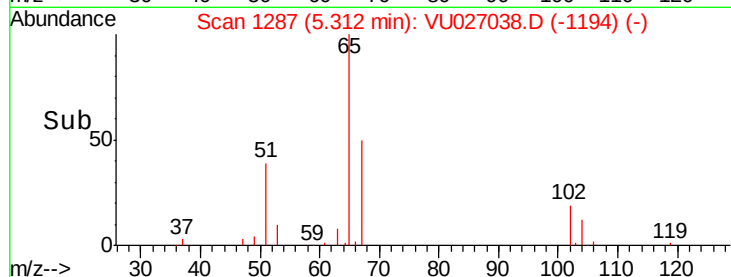
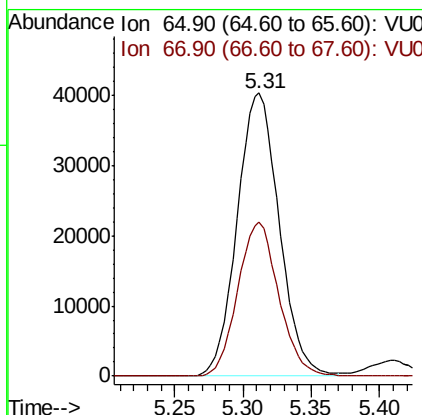
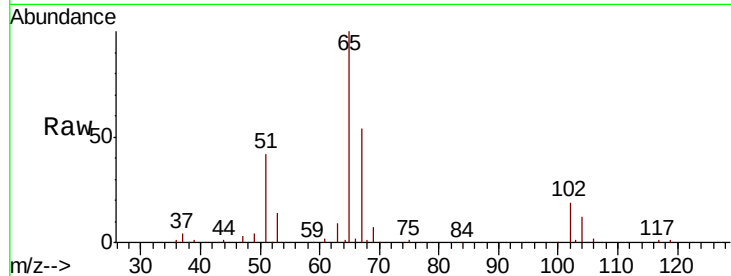
#33
 1,2-Dichloroethane-d4
 Concen: 49.532 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW308D-20180914MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	86258		
67	53.1	0.0	105.6	

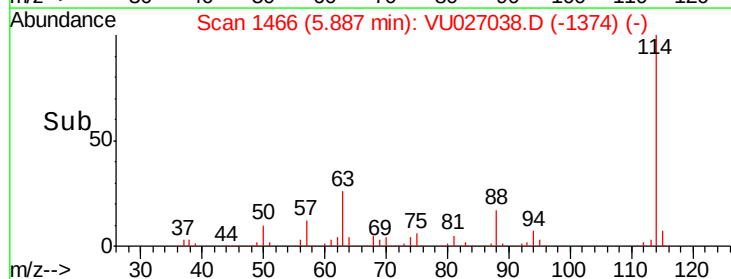
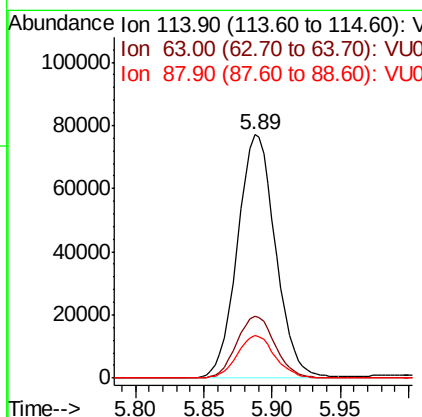
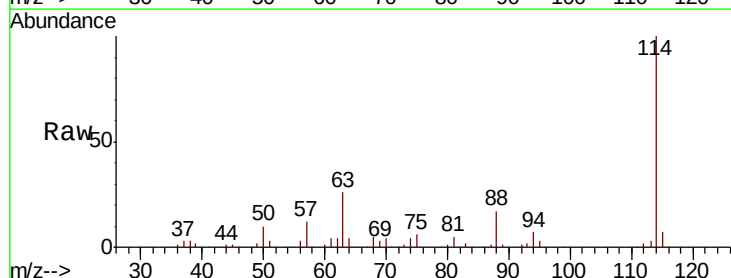
Manual Integrations
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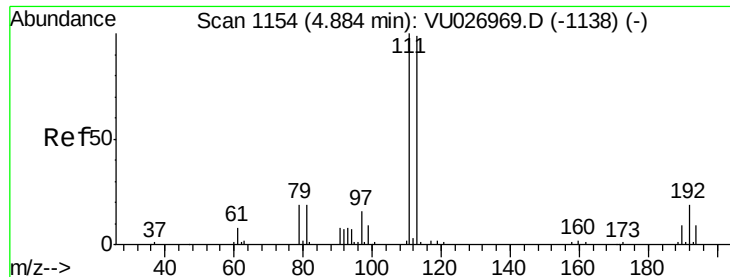
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	149450		
63	25.6	0.0	49.2	
88	17.3	0.0	33.8	





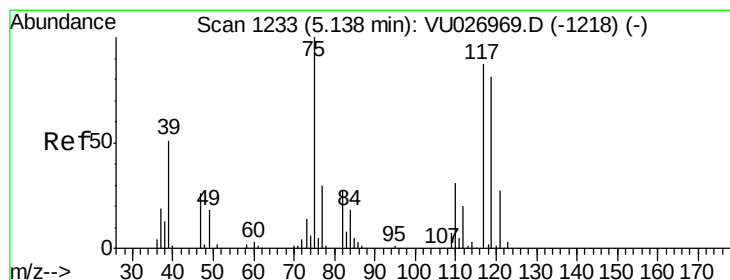
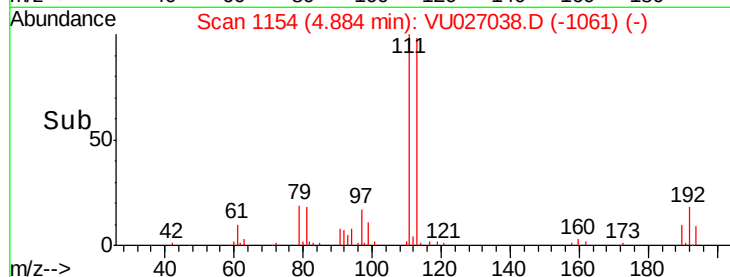
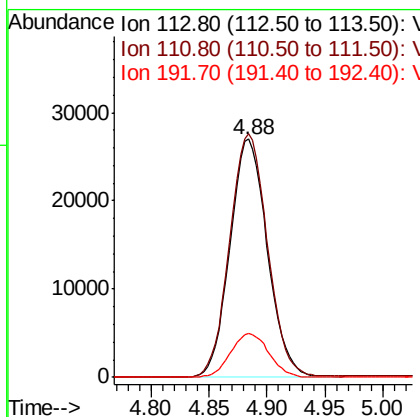
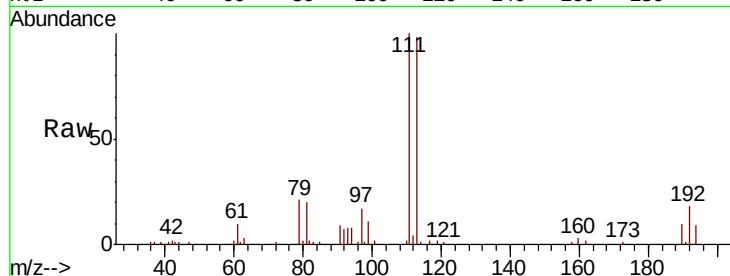
#35
 Dibromofluoromethane
 Concen: 46.651 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW308D-20180914MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	60434		
111	103.6	82.2	123.4	
192	18.7	15.2	22.8	

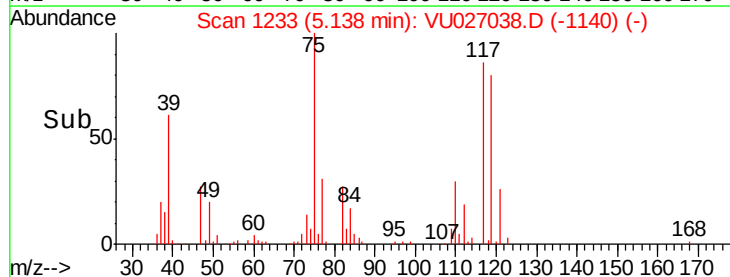
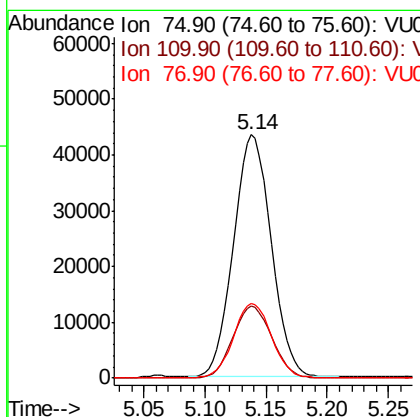
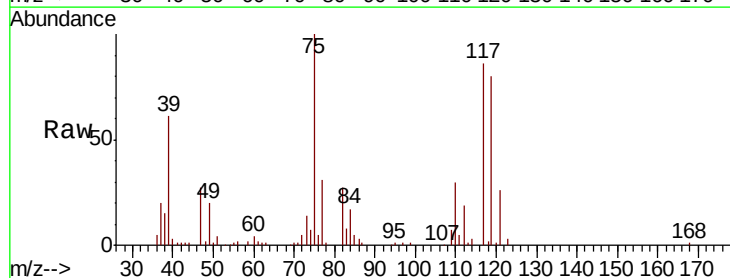
Manual Integrations
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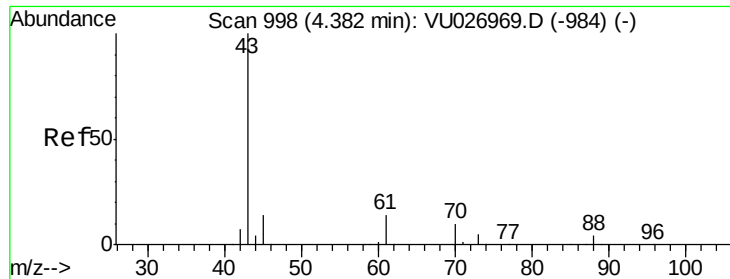
MMDadoda
 9/24/2018 2:14:24 PM



#36
 1,1-Dichloropropene
 Concen: 46.709 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	93166		
110	30.5	16.1	48.2	
77	31.1	24.6	36.8	





#37

Ethyl Acetate

Concen: 43.414 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU027038.D

Acq: 22 Sep 2018 23:56

Instrument :

MSVOA_U

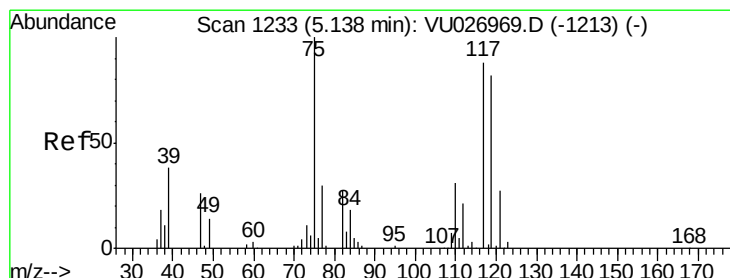
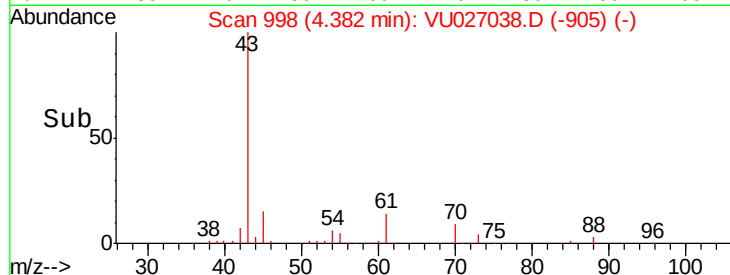
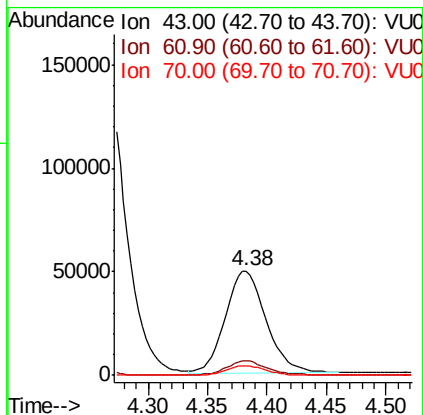
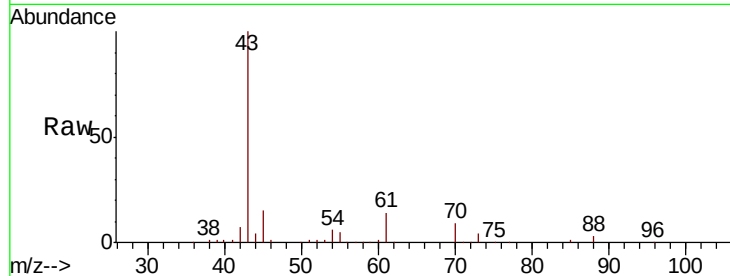
ClientSampleId :

BPSI-TT-MW308D-20180914MSD

Tot Ion:	43	Resp:	117224
Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.5	15.7
70	9.1	7.4	11.0

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 45.260 ug/l

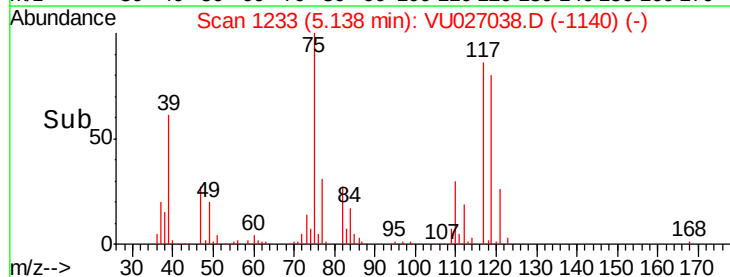
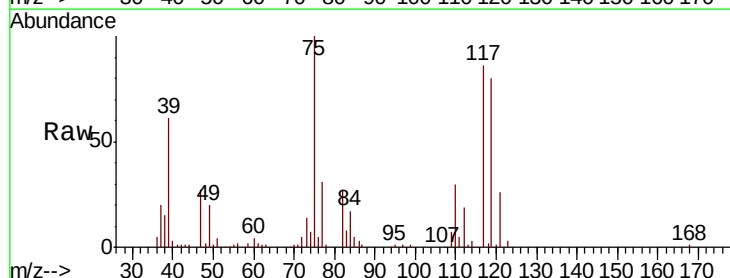
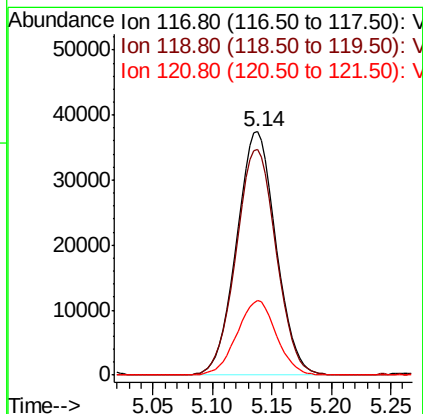
RT: 5.14 min Scan# 1233

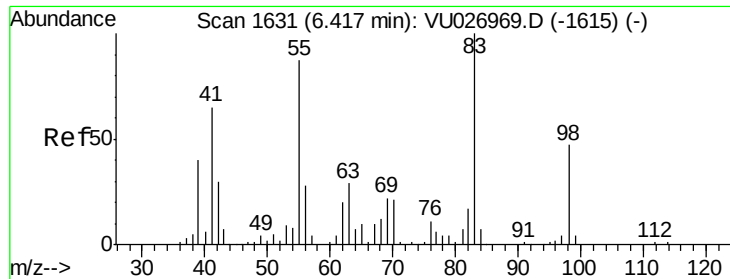
Delta R.T. 0.00 min

Lab File: VU027038.D

Acq: 22 Sep 2018 23:56

Tgt Ion:	117	Resp:	85909
Ion	Ratio	Lower	Upper
117	100		
119	92.8	74.4	111.6
121	30.5	24.2	36.4





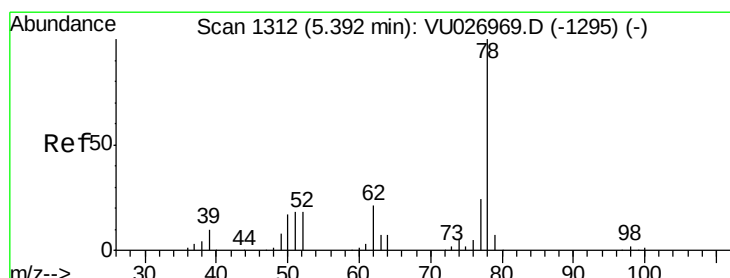
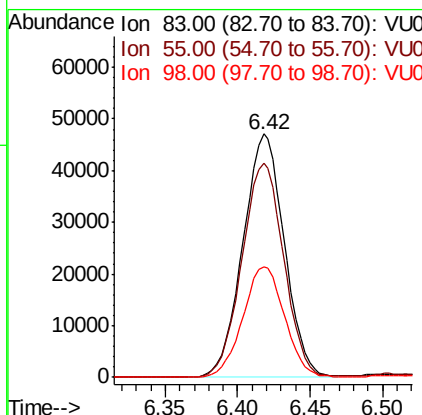
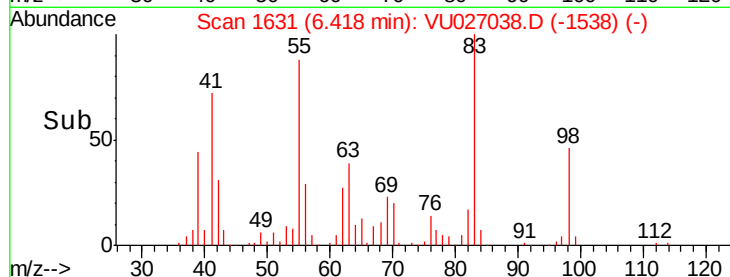
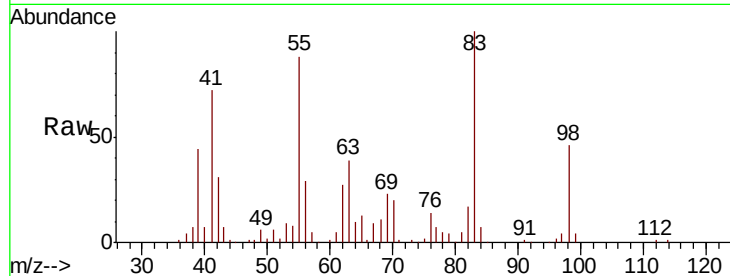
#39
Methylvlcyclohexane
Concen: 43.125 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW308D-20180914MSD

Tot Ion	83.00	Resp	93475
Ion Ratio	100	Lower	Upper
83	100		
55	87.8	69.9	104.9
98	45.6	37.5	56.3

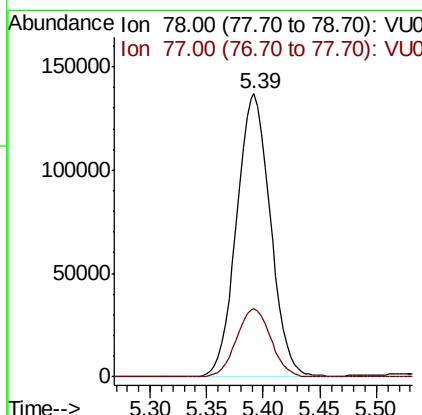
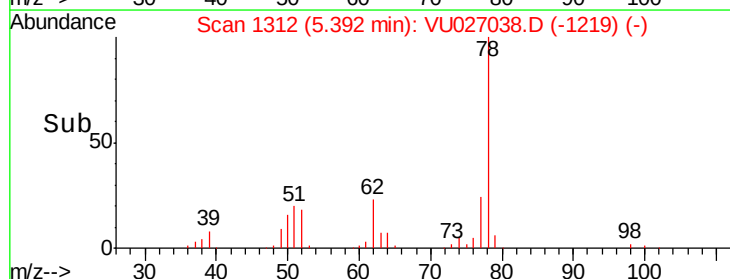
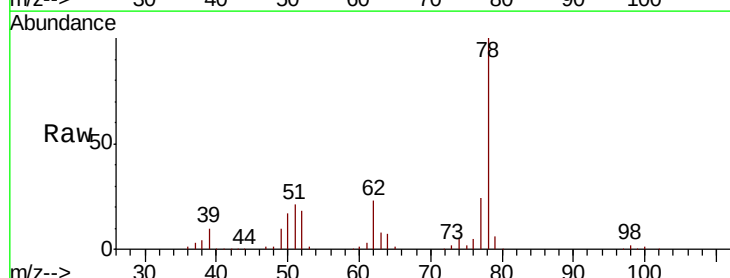
Manual Integrations
APPROVED

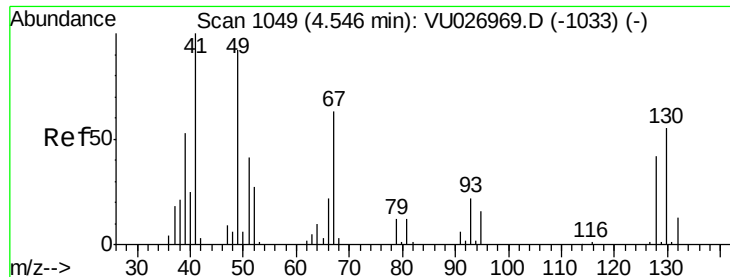
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#40
Benzene
Concen: 47.096 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Tgt Ion	78.00	Resp	285568
Ion Ratio	100	Lower	Upper
78	100		
77	24.3	19.4	29.0





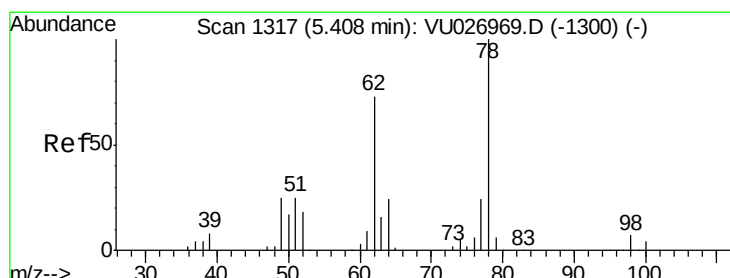
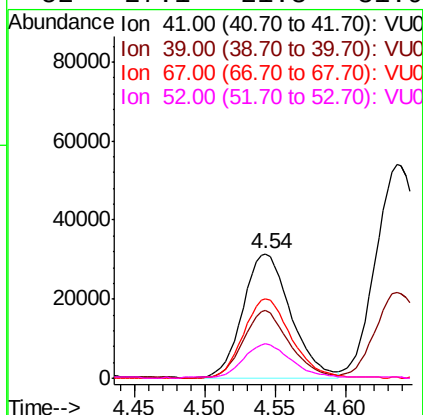
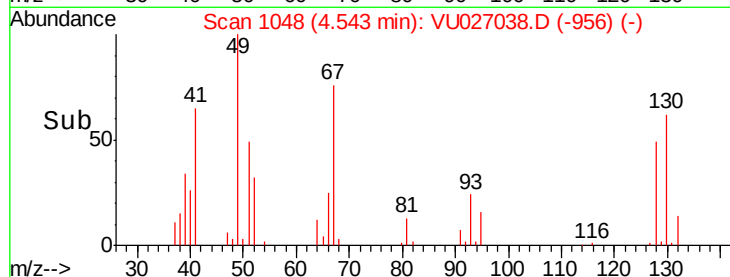
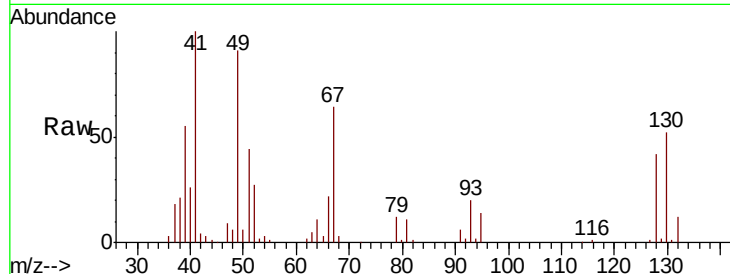
#41
Methacrylonitrile
Concen: 52.830 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW308D-20180914MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	42.9	64.3	
67	64.7	52.4	78.6	
52	27.1	21.3	31.9	

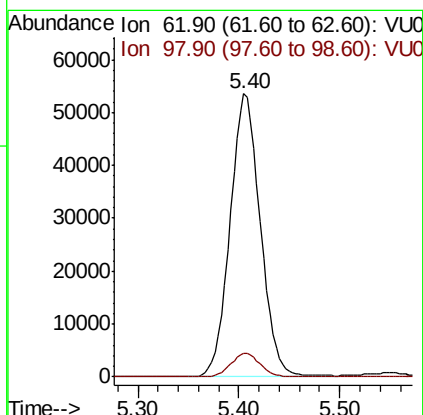
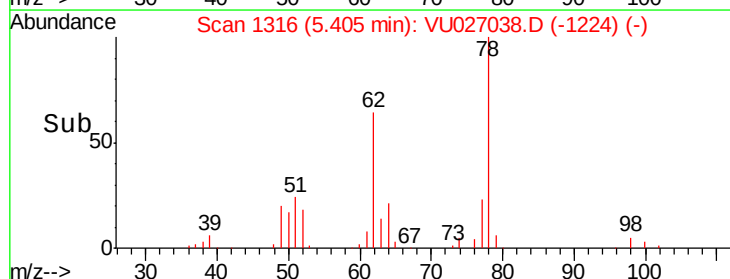
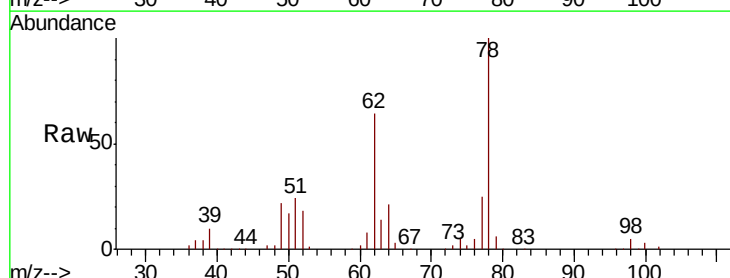
Manual Integrations
APPROVED

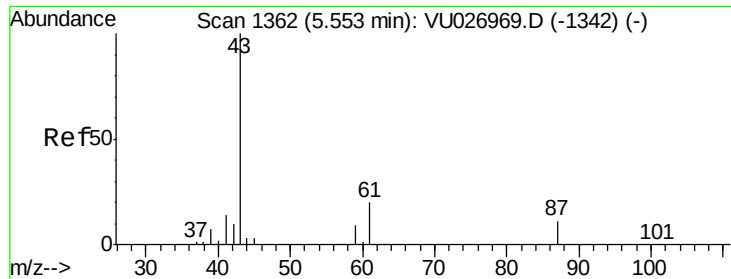
MMDadoda
9/24/2018 2:14:24 PM



#42
1,2-Dichloroethane
Concen: 48.773 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	17.0	





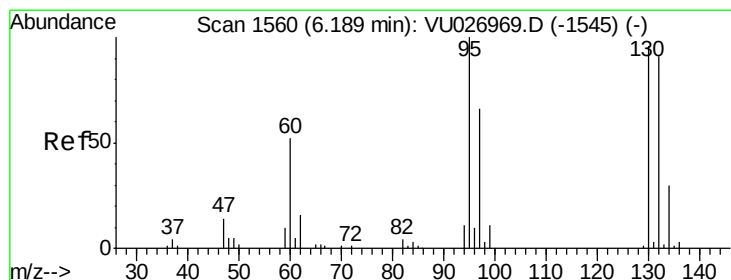
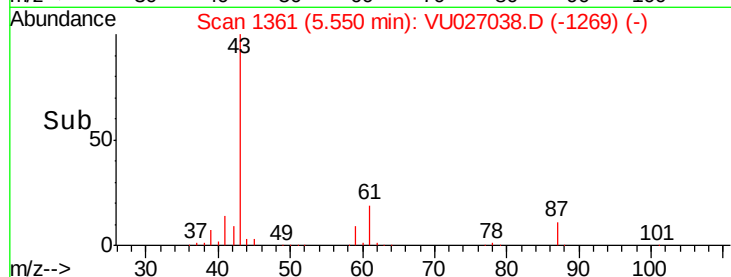
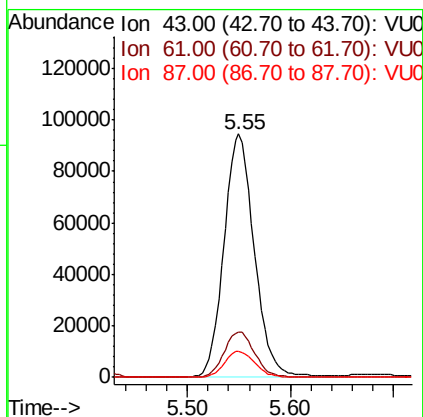
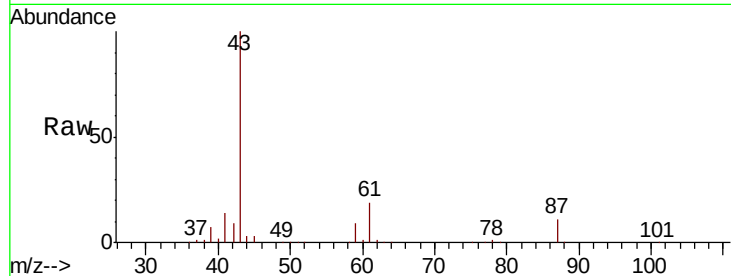
#43
Isopropyl Acetate
Concen: 49.070 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW308D-20180914MSD

Tot Ion	43	Resp	193227
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.7	23.5
87	10.7	9.0	13.4

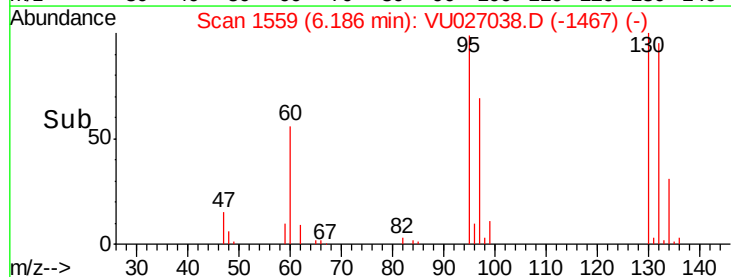
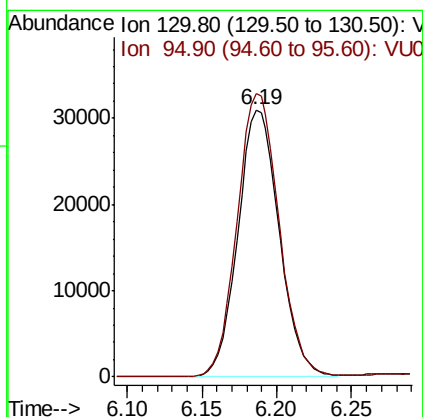
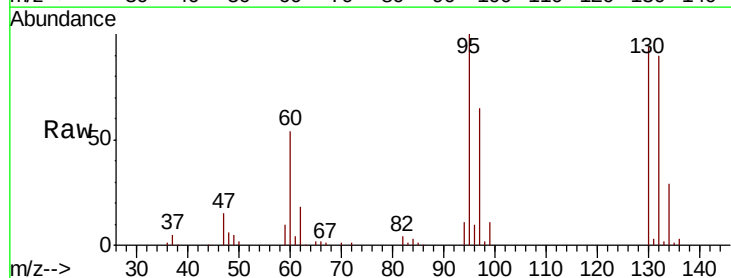
Manual Integrations
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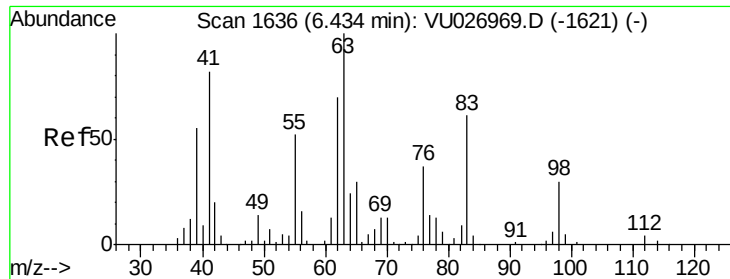
MMDadoda
9/24/2018 2:14:24 PM



#44
Trichloroethene
Concen: 46.166 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Tgt Ion	130	Resp	59594
Ion	Ratio	Lower	Upper
130	100		
95	106.1	0.0	208.8





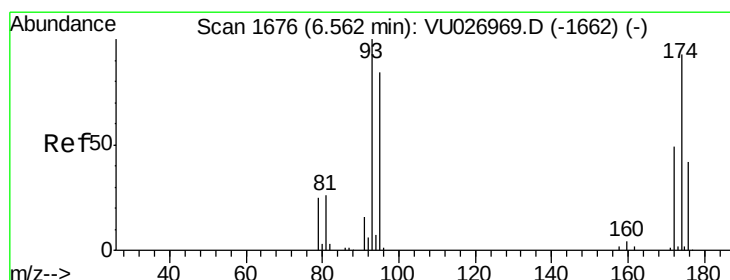
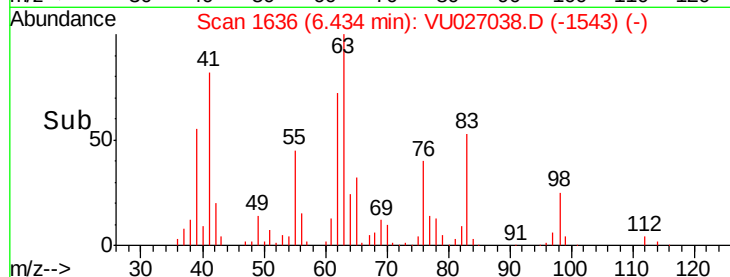
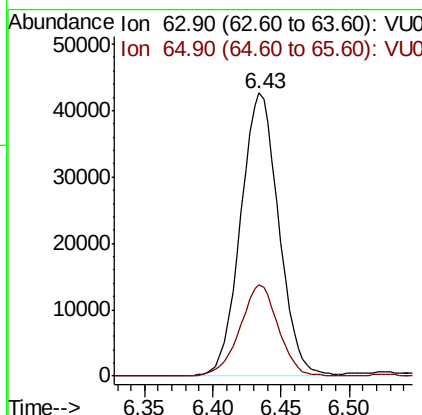
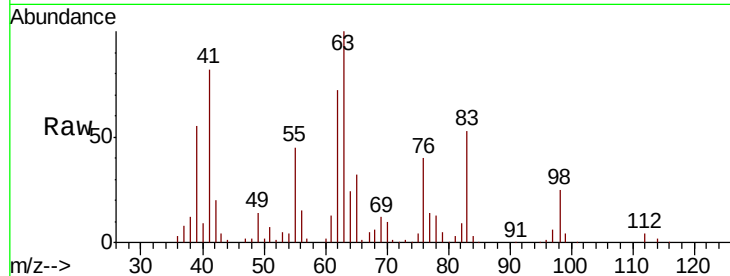
#45
 1,2-Dichloropropane
 Concen: 47.870 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW308D-20180914MSD

Tot Ion: 63 Resp: 82705
 Ion Ratio Lower Upper
 63 100
 65 32.4 24.3 36.5

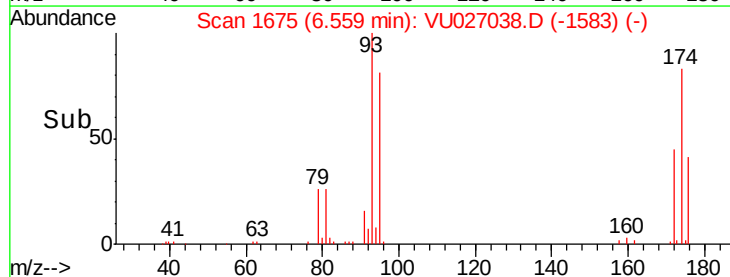
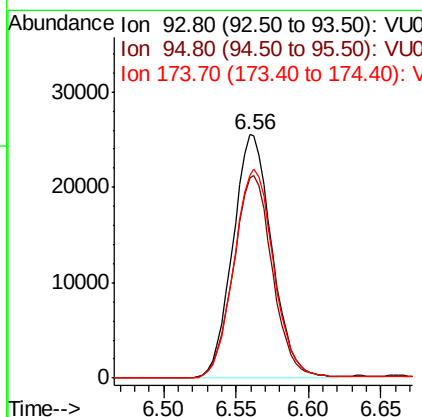
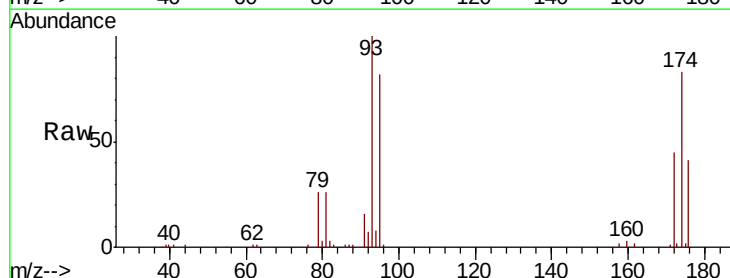
Manual Integrations
 APPROVED

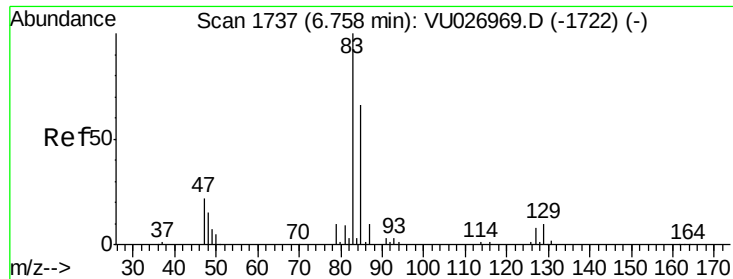
MMDadoda
 9/24/2018 2:14:24 PM



#46
 Dibromomethane
 Concen: 45.820 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Tgt Ion: 93 Resp: 47810
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.2 99.4
 174 87.4 71.7 107.5





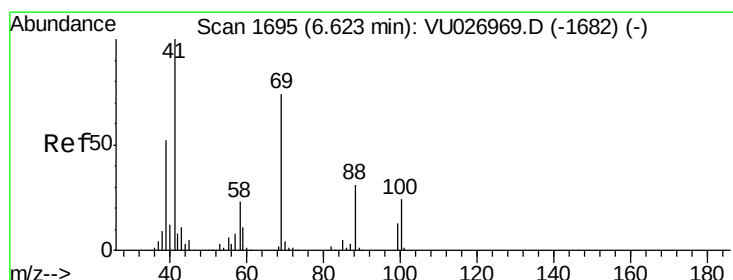
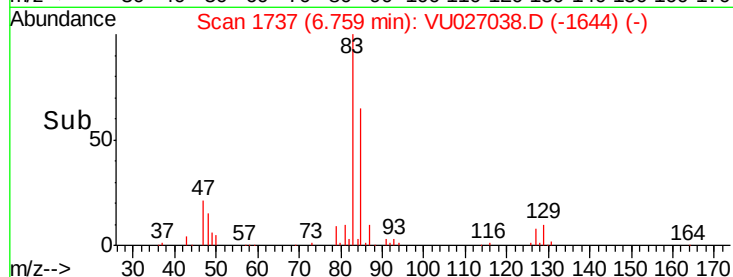
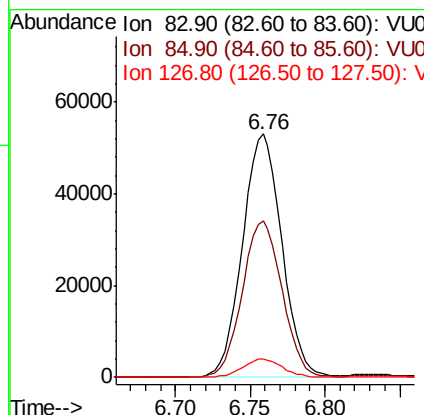
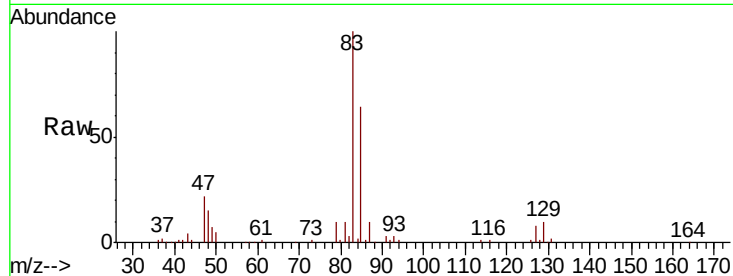
#47
Bromodichloromethane
Concen: 46.221 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW308D-20180914MSD

Tot Ion	83	Resp	97522
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	52.5	78.7
127	7.7	6.3	9.5

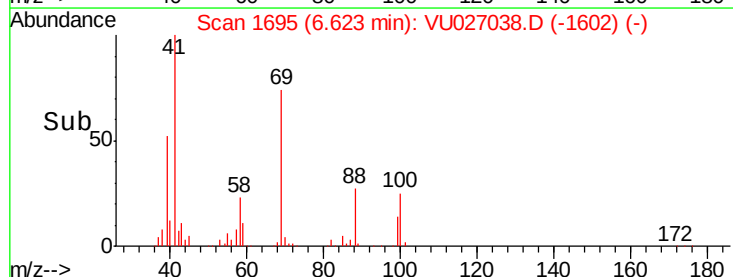
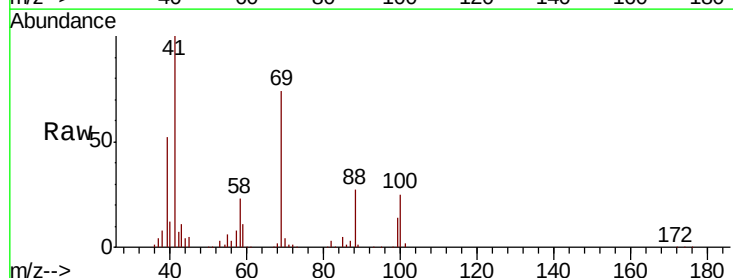
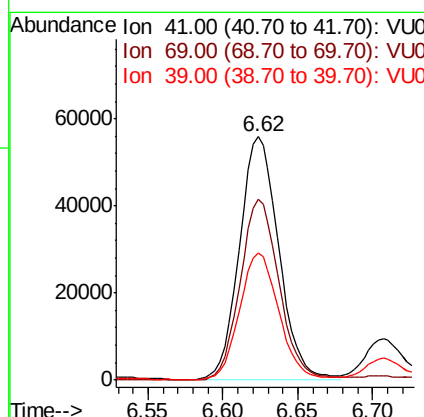
Manual Integrations
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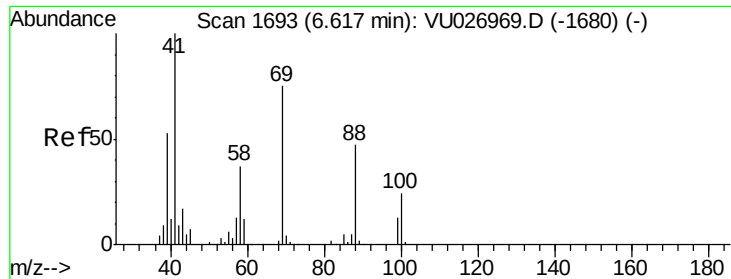
MMDadoda
9/24/2018 2:14:24 PM



#48
Methyl methacrylate
Concen: 47.634 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Tgt Ion	41	Resp	101988
Ion Ratio	100	Lower	Upper
41	100		
69	74.0	60.6	90.8
39	52.0	42.8	64.2





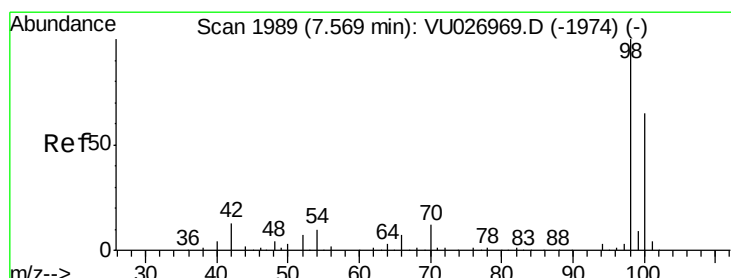
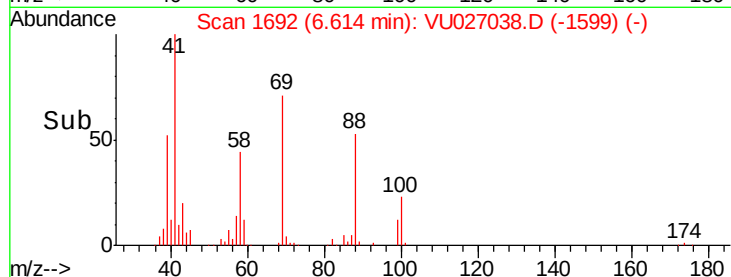
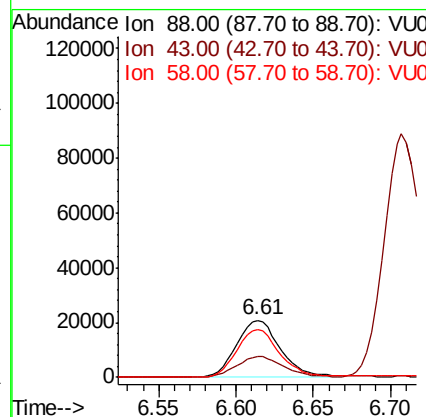
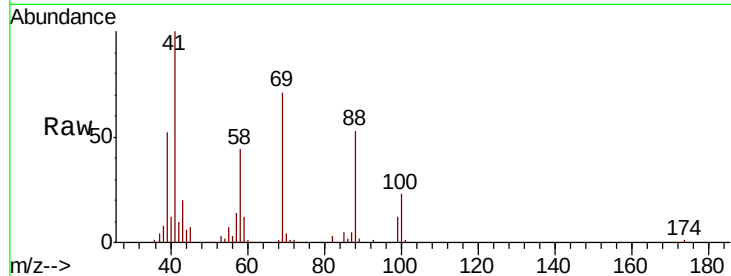
#49
1,4-Dioxane
Concen: 962.496 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW308D-20180914MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.4	29.8	44.8
58	84.4	63.9	95.9

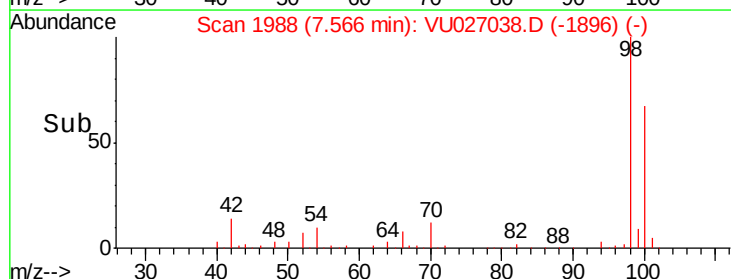
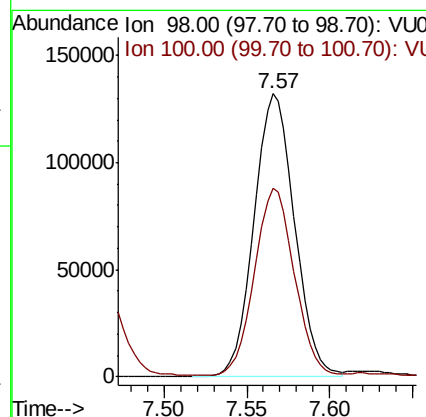
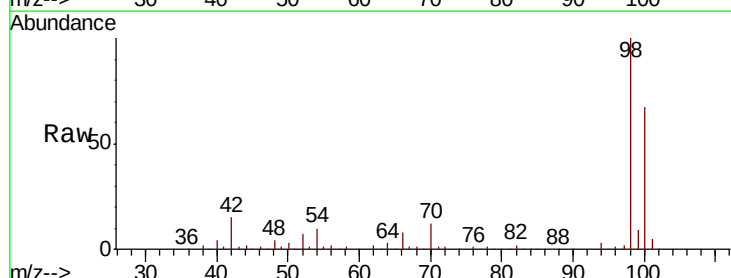
Manual Integrations
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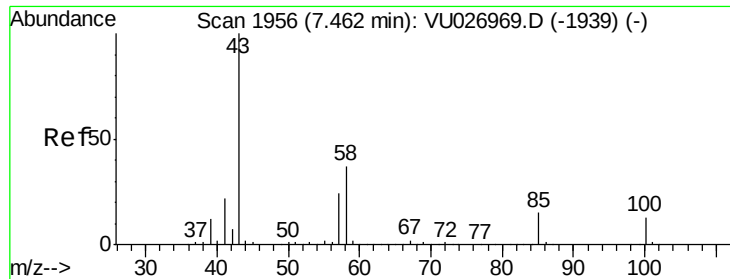
MMDadoda
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#50
Toluene-d8
Concen: 45.508 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 262.093 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027038.D

Acq: 22 Sep 2018 23:56

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW308D-20180914MSD

Tot Ion: 43 Resp: 694132

Ion Ratio Lower Upper

43 100

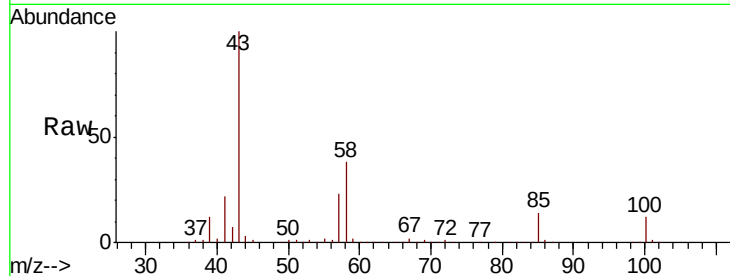
58 36.2 29.8 44.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)

7.46

400000

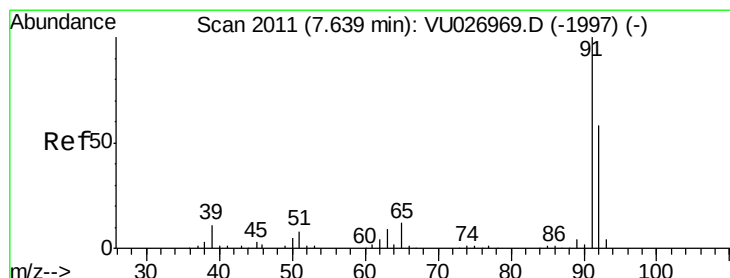
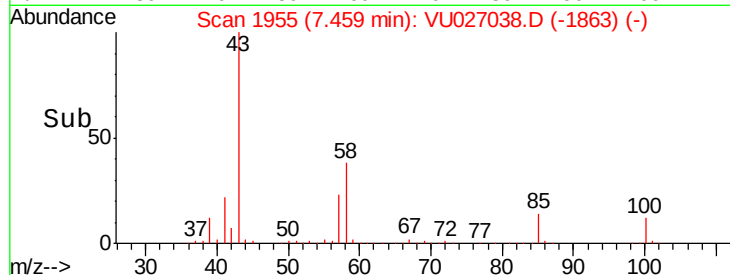
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.222 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027038.D

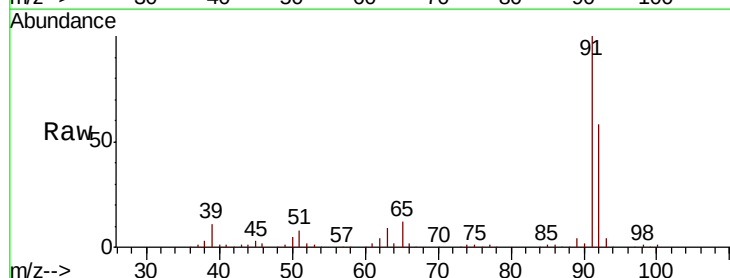
Acq: 22 Sep 2018 23:56

Tgt Ion: 92 Resp: 167599

Ion Ratio Lower Upper

92 100

91 171.4 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU026969.D (-1997) (-)

Ion 91.00 (90.70 to 91.70): VU026969.D (-1997) (-)

7.64

200000

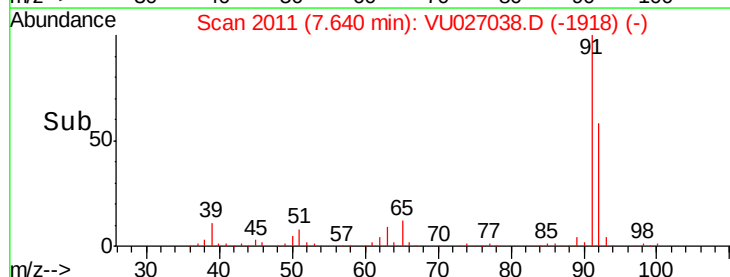
150000

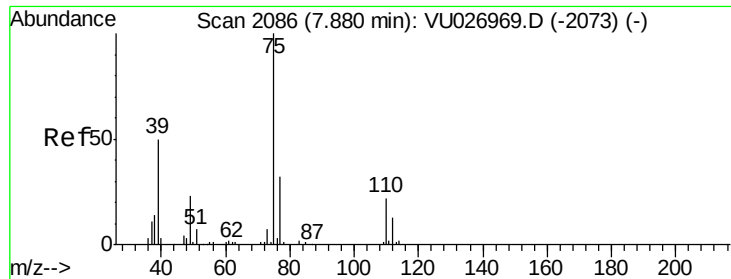
100000

50000

0

Time-->





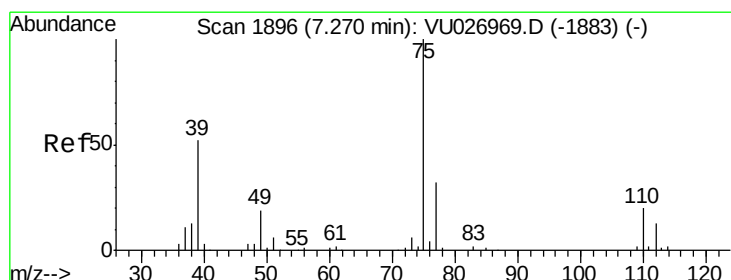
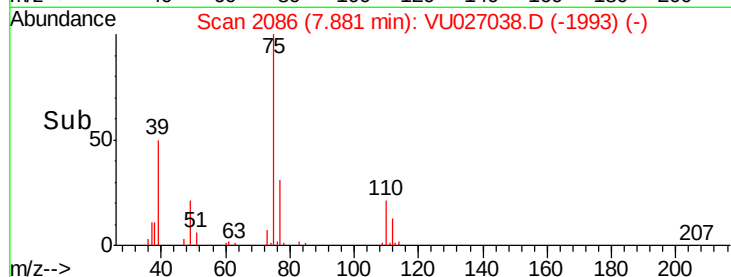
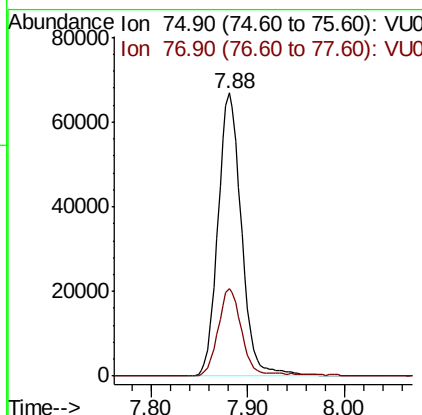
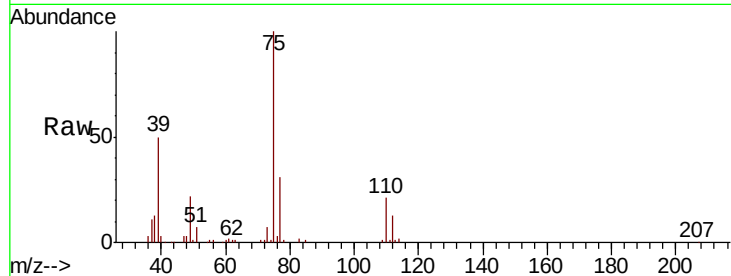
#53
t-1,3-Dichloropropene
Concen: 49.895 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW308D-20180914MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.3	37.9

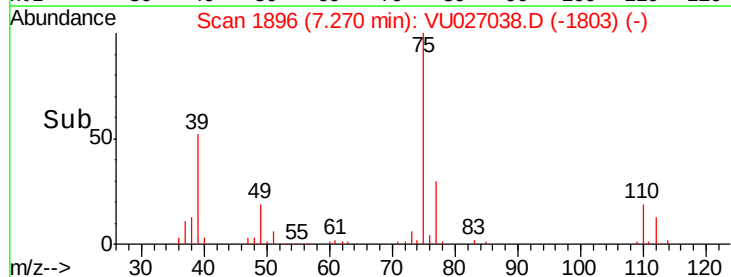
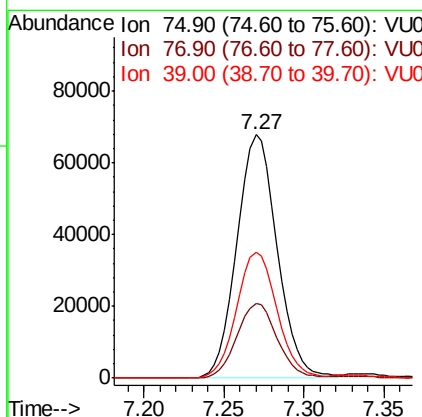
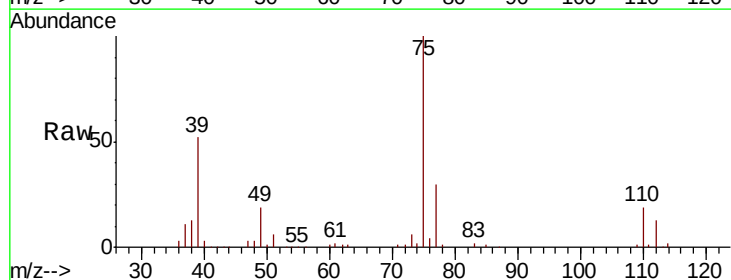
Manual Integrations
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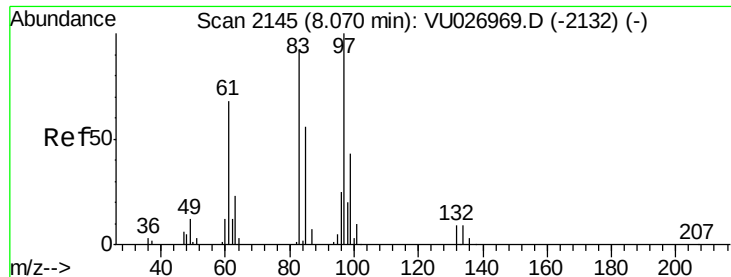
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 46.685 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.4	38.0
39	51.6	41.6	62.4





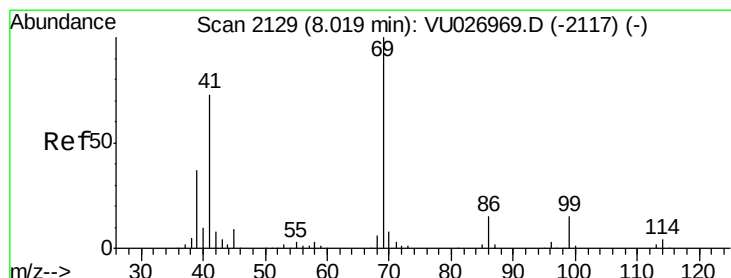
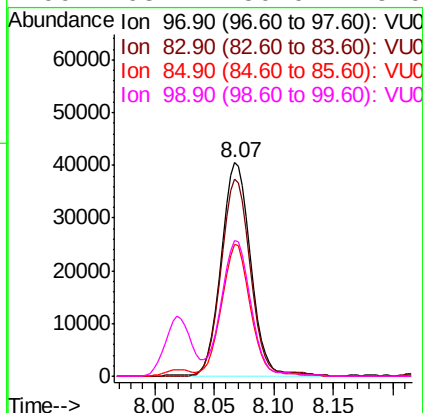
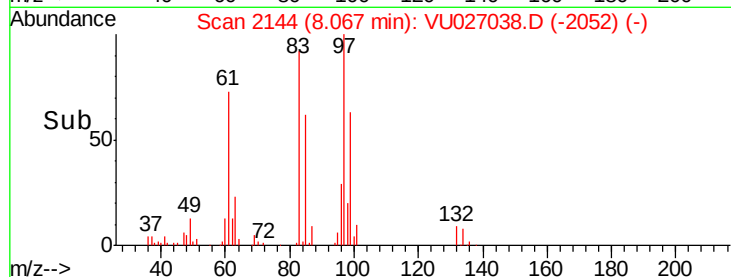
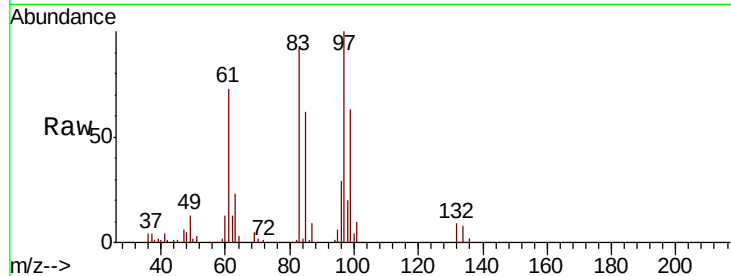
#55
 1,1,2-Trichloroethane
 Concen: 47.594 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW308D-20180914MSD

Tot Ion:	97	Resp:	70091
Ion	Ratio	Lower	Upper
97	100		
83	92.0	73.1	109.7
85	61.7	46.7	70.1
99	63.4	50.0	75.0

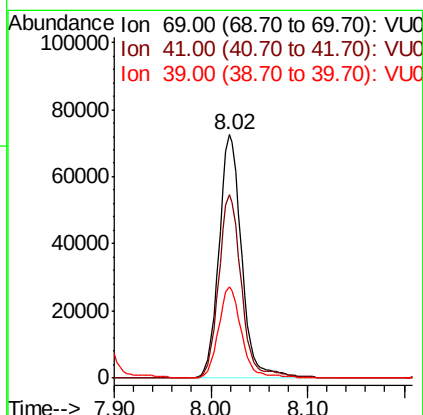
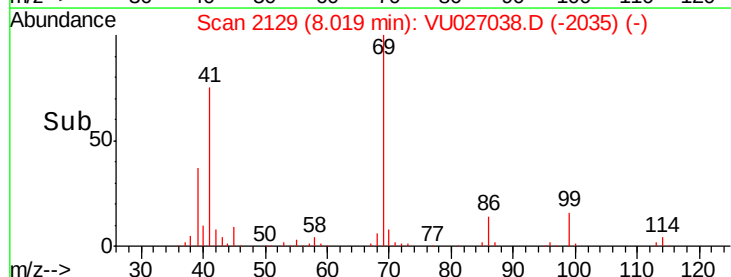
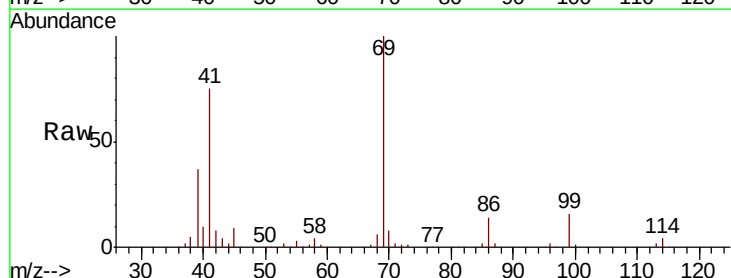
Manual Integrations
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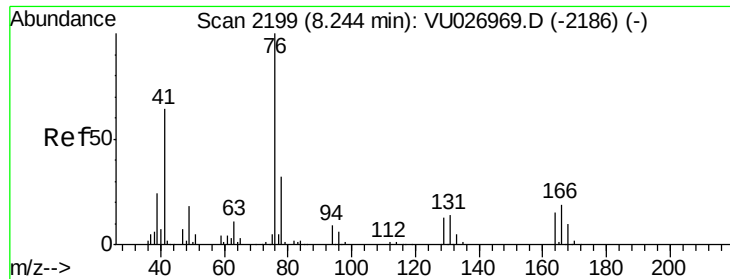
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 9/24/2018 2:14:24 PM



#56
 Ethyl methacrylate
 Concen: 46.357 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Tgt Ion:	69	Resp:	118029
Ion	Ratio	Lower	Upper
69	100		
41	75.9	59.0	88.4
39	37.4	30.2	45.4





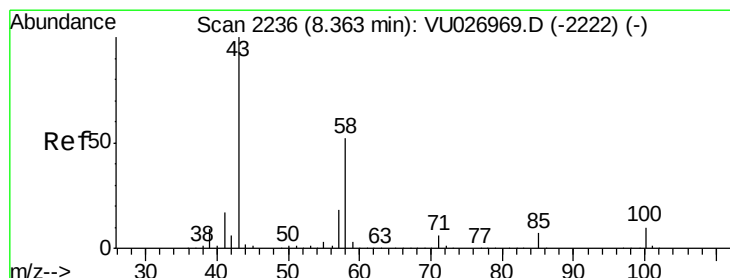
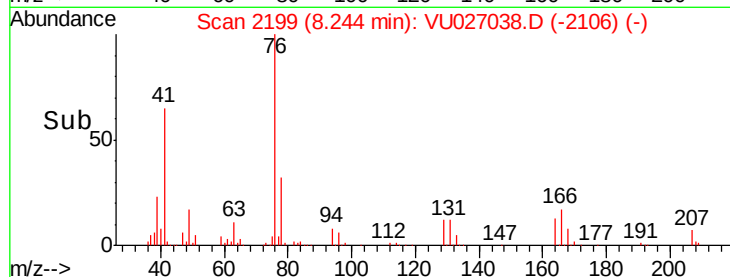
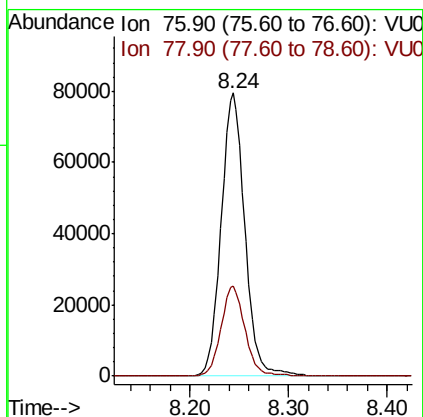
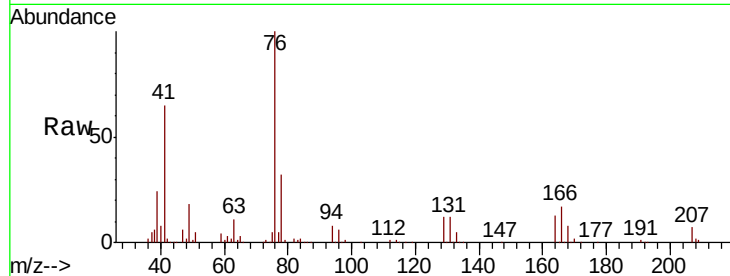
#57
 1,3-Dichloropropane
 Concen: 48.959 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW308D-20180914MSD

Tot Ion: 76 Resp: 134104
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3

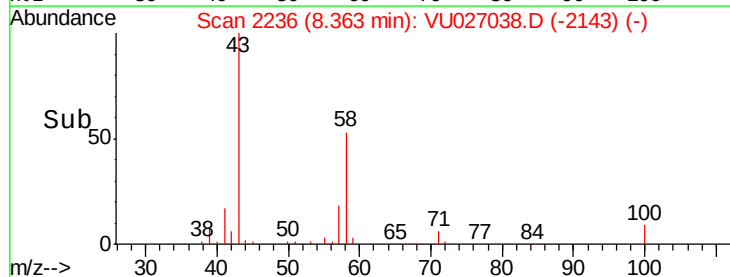
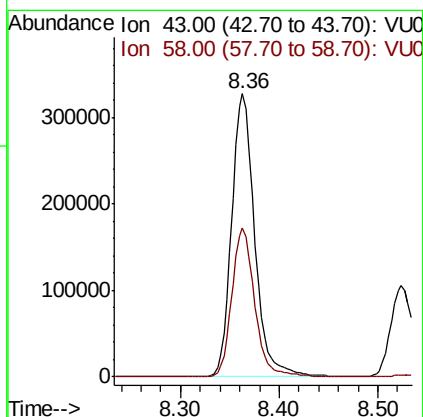
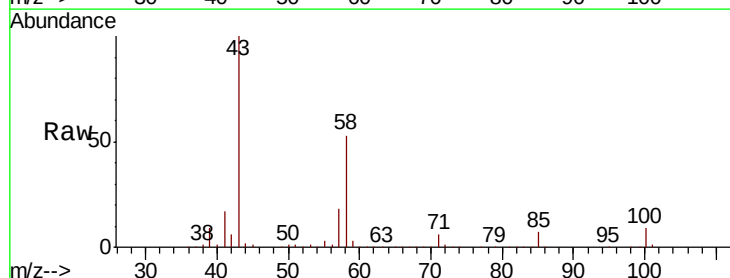
Manual Integrations
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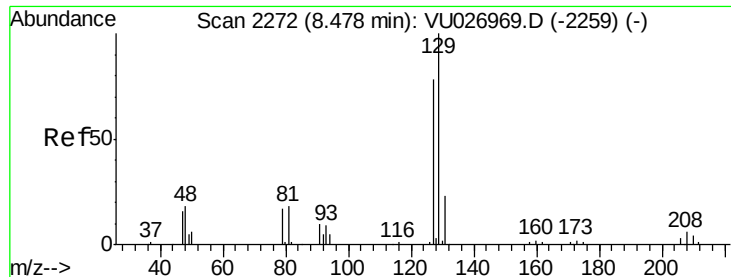
MMDadoda
 9/24/2018 2:14:24 PM



#59
 2-Hexanone
 Concen: 256.107 ug/l
 RT: 8.36 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Tgt Ion: 43 Resp: 530943
 Ion Ratio Lower Upper
 43 100
 58 52.3 26.1 78.2





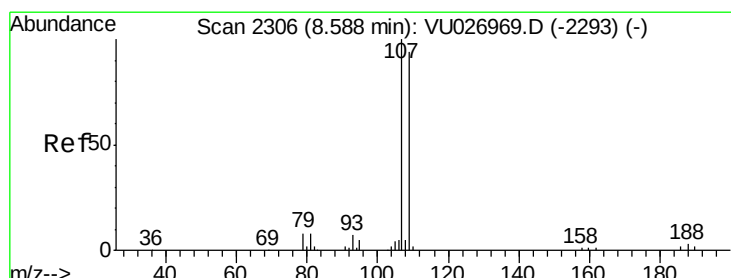
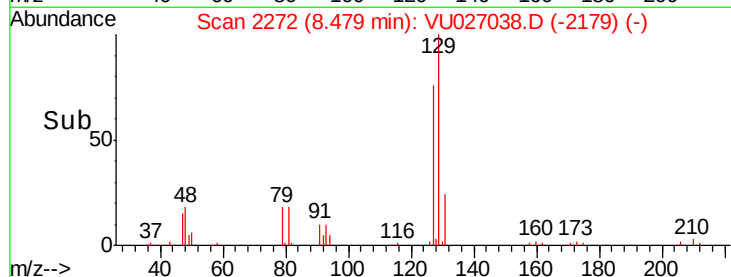
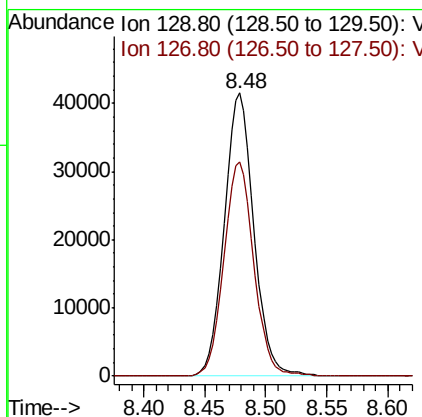
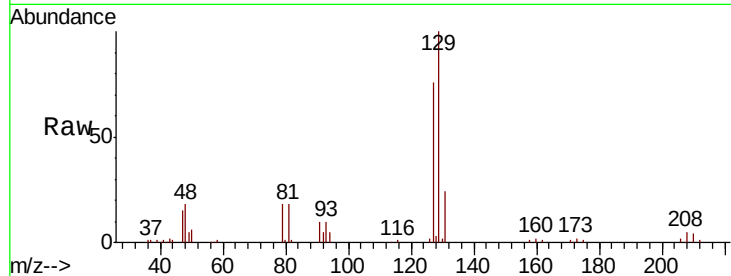
#60
Dibromochloromethane
Concen: 48.777 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW308D-20180914MSD

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.1	114.5

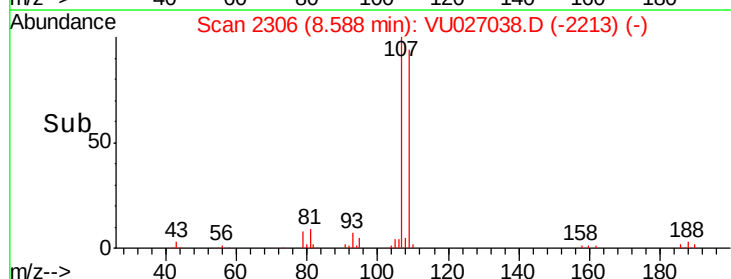
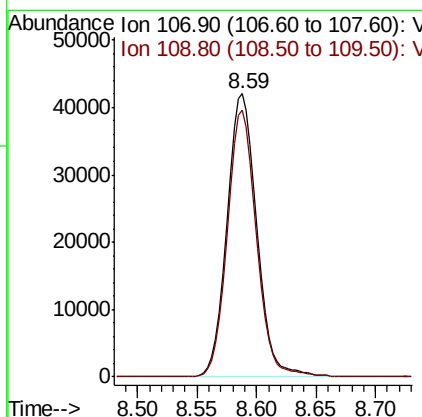
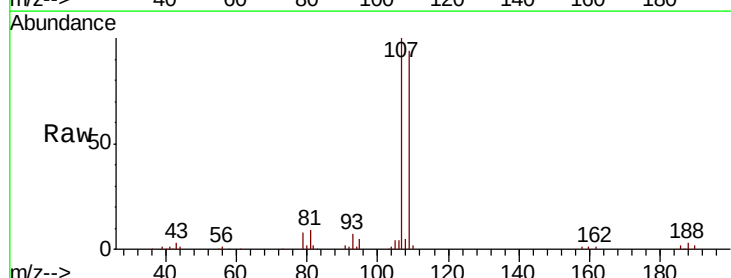
Manual Integrations
APPROVED

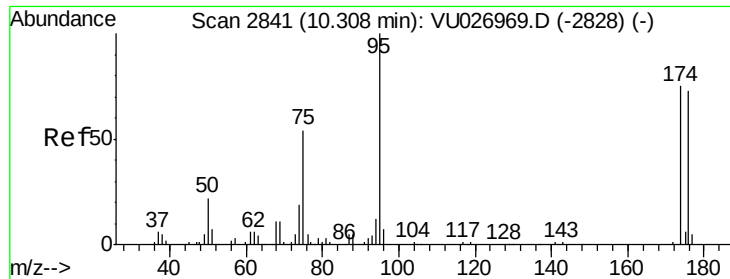
MMDadoda
9/24/2018 2:14:24 PM



#61
1,2-Dibromoethane
Concen: 47.612 ug/l
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.0	112.6





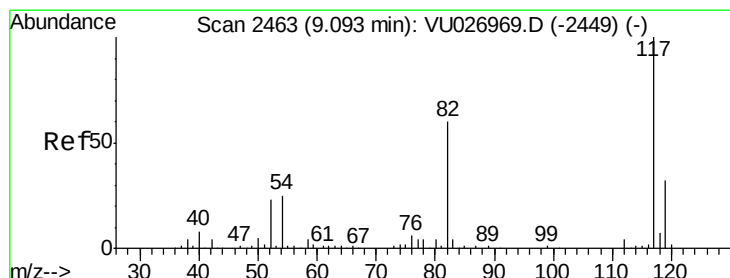
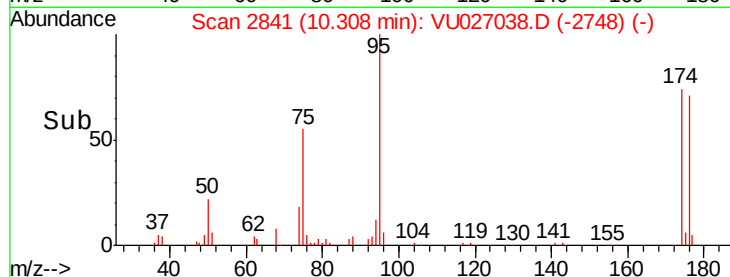
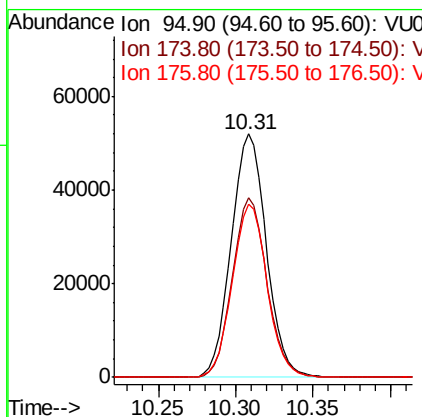
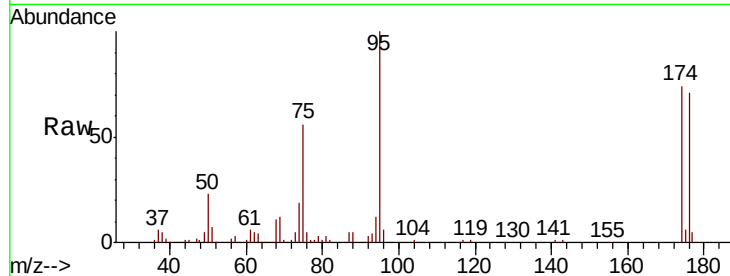
#62
4-Bromofluorobenzene
Concen: 48.302 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW308D-20180914MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	81824		
174	72.7	0.0	150.2	
176	70.7	0.0	145.2	

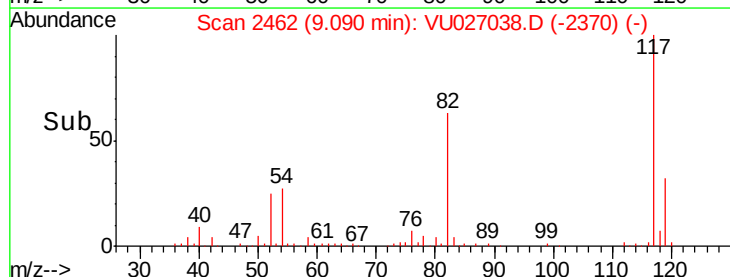
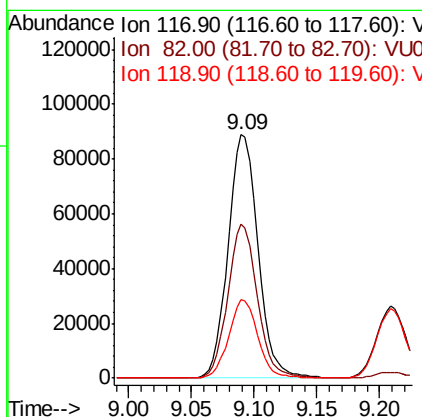
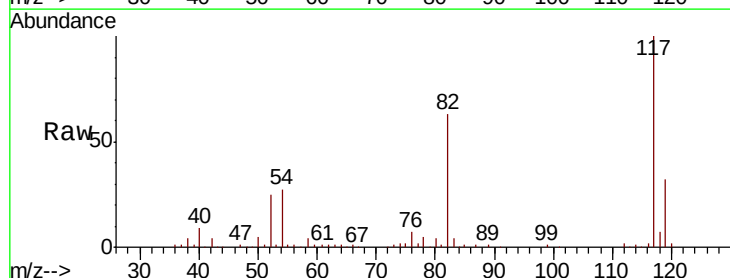
Manual Integrations
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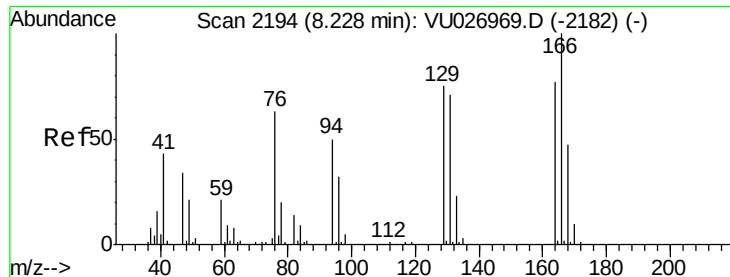
MMDadoda
9/24/2018 2:14:24 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	147399		
82	63.2	48.0	72.0	
119	32.1	25.8	38.8	





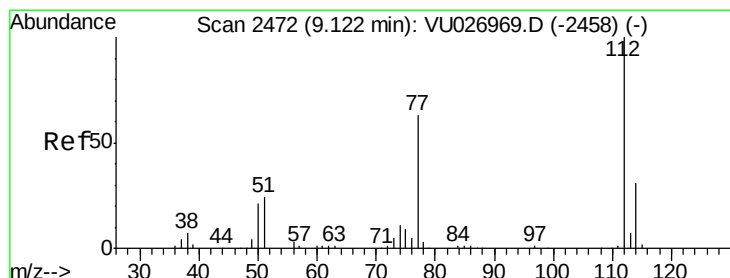
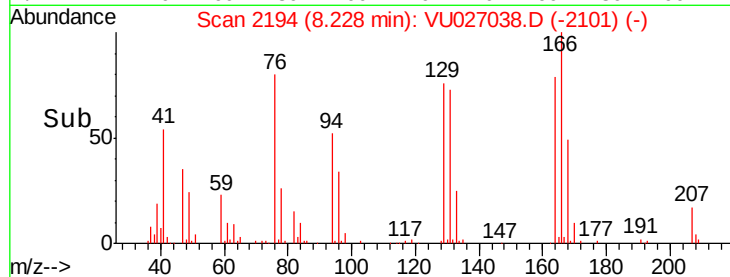
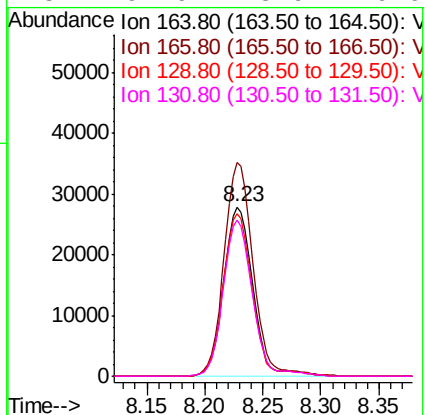
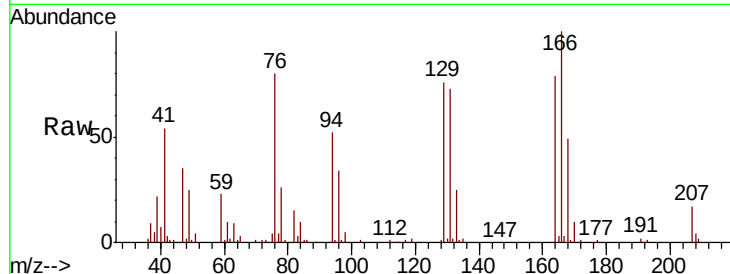
#64
Tetrachloroethene
Concen: 42.542 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW308D-20180914MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.0	104.4	156.6
129	96.2	78.7	118.1
131	91.9	73.9	110.9

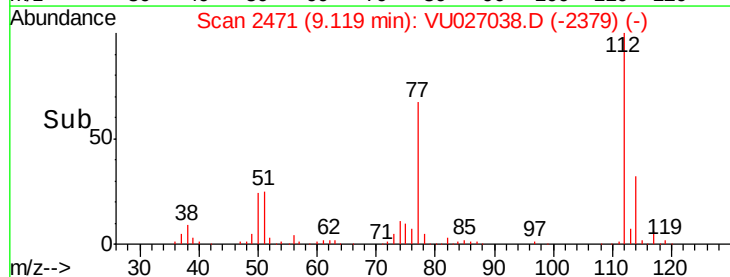
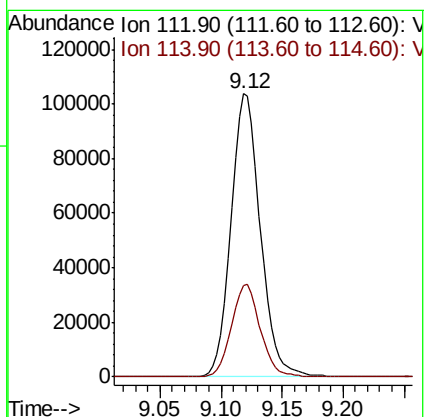
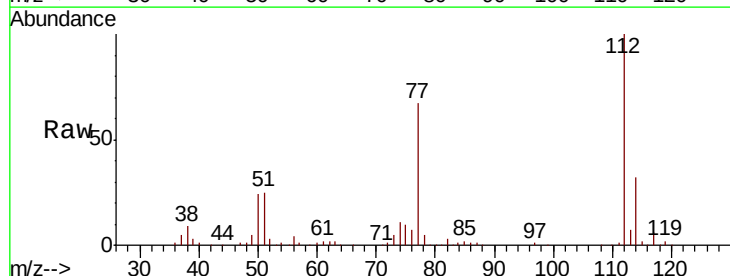
Manual Integrations
APPROVED

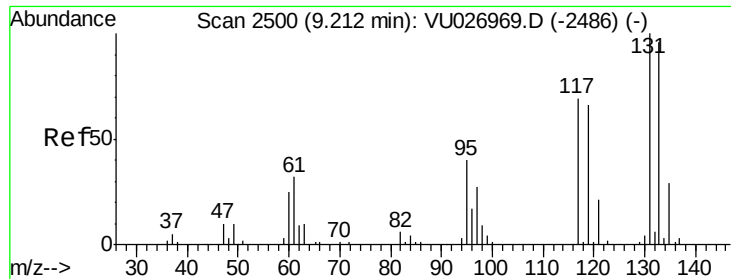
MMDadoda
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#65
Chlorobenzene
Concen: 44.524 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.0	37.6





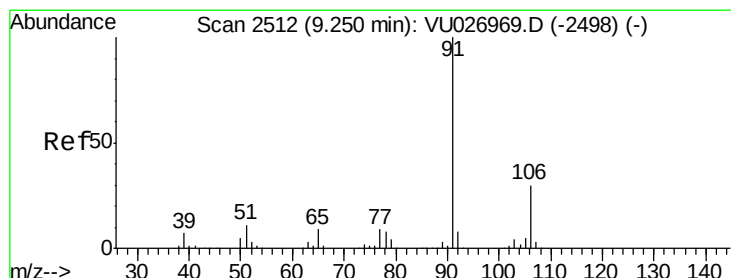
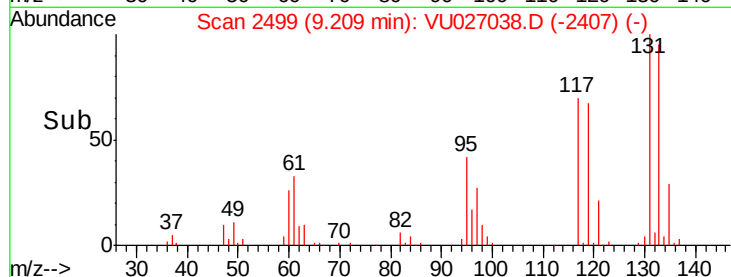
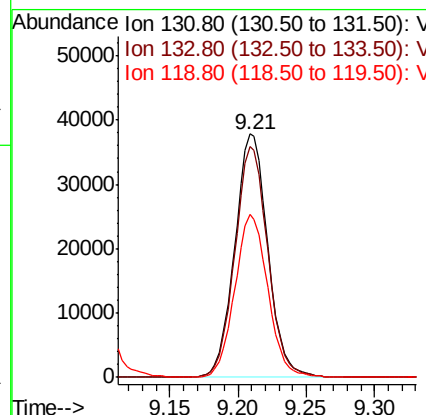
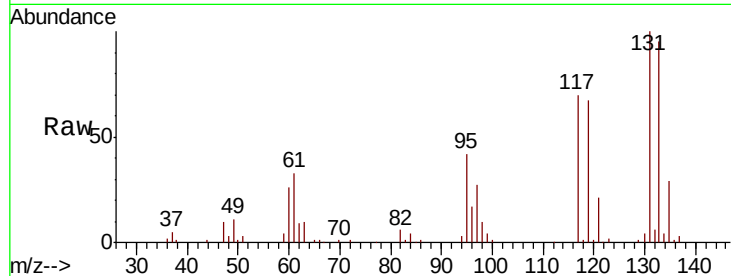
#66
 1,1,1,2-Tetrachloroethane
 Concen: 47.165 ug/l
 RT: 9.21 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW308D-20180914MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.7	48.0	144.2
119	66.9	33.4	100.1

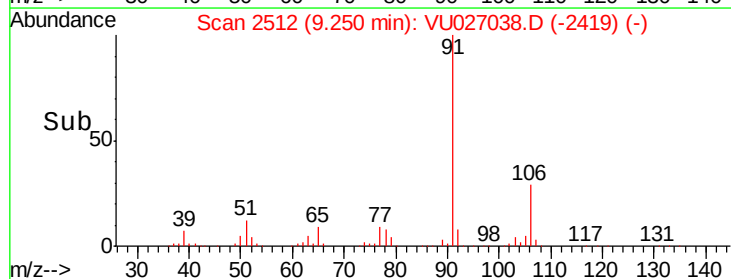
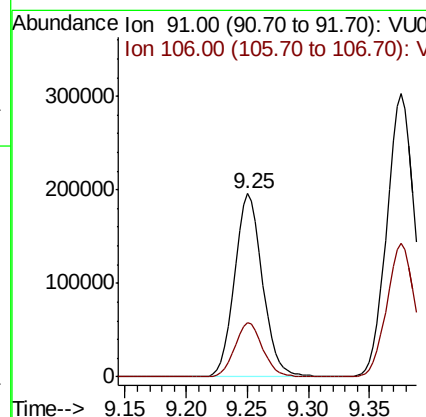
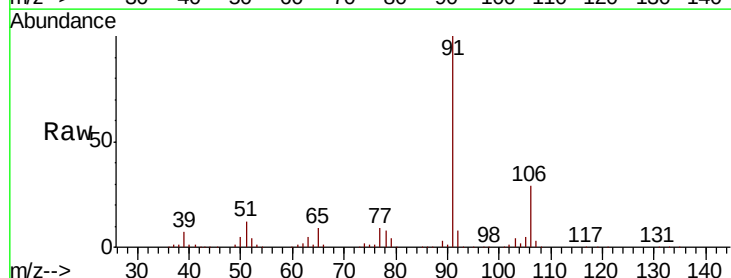
Manual Integrations
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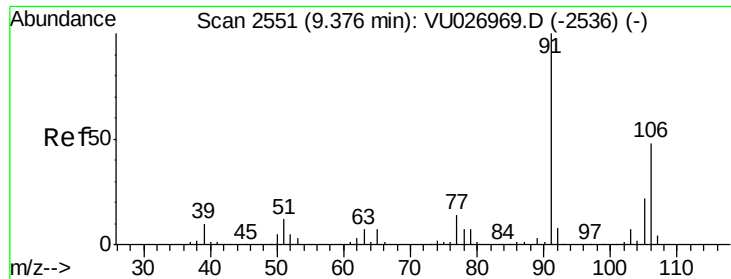
MMDadoda
 9/24/2018 2:14:24 PM



#67
 Ethyl Benzene
 Concen: 48.895 ug/l
 RT: 9.25 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.8	35.8





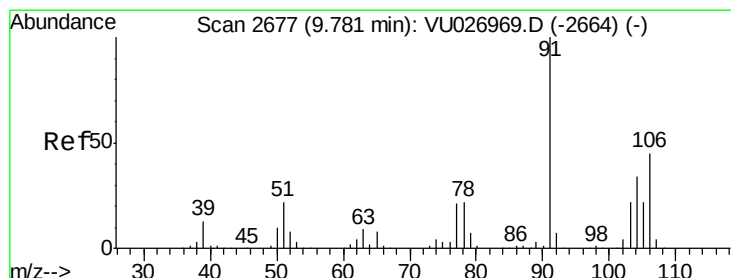
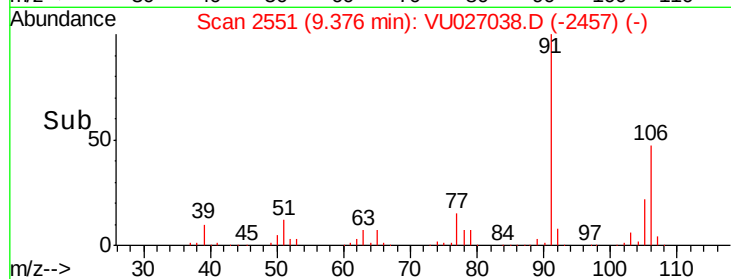
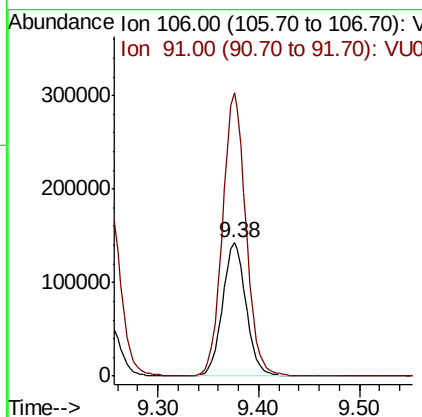
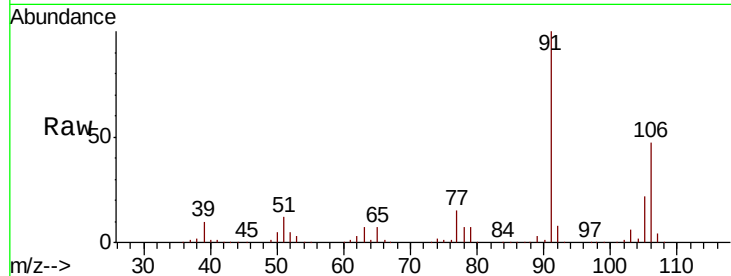
#68
m/p-Xylenes
Concen: 89.578 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW308D-20180914MSD

Tot Ion:106 Resp: 232735
Ion Ratio Lower Upper
106 100
91 210.8 166.5 249.7

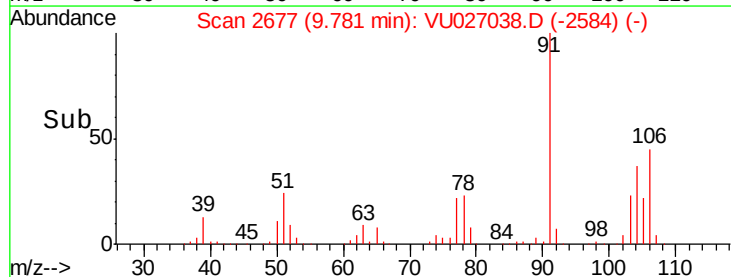
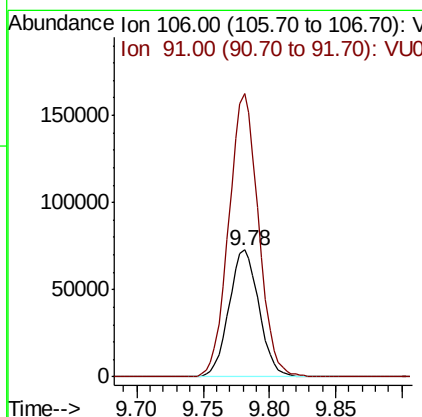
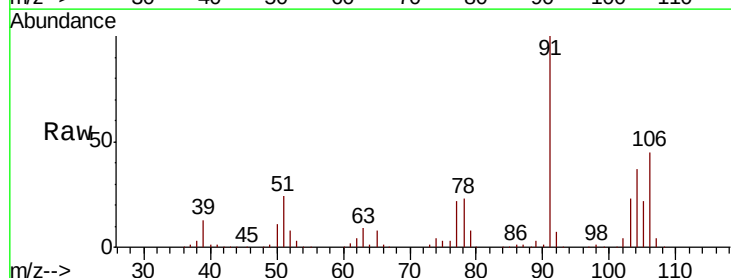
Manual Integrations
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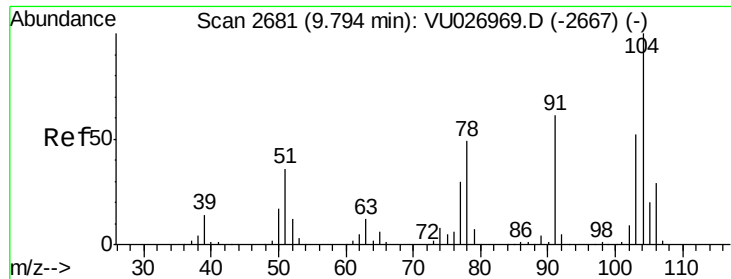
MMDadoda
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#69
o-Xylene
Concen: 50.414 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Tgt Ion:106 Resp: 114796
Ion Ratio Lower Upper
106 100
91 220.6 110.2 330.6





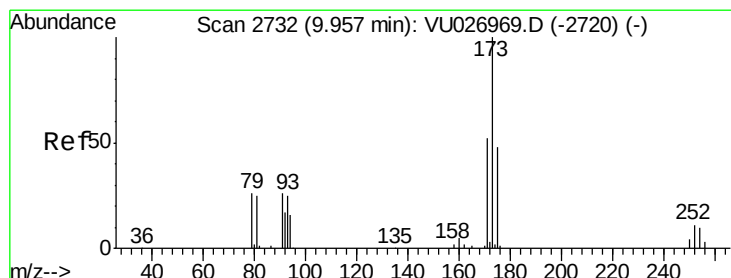
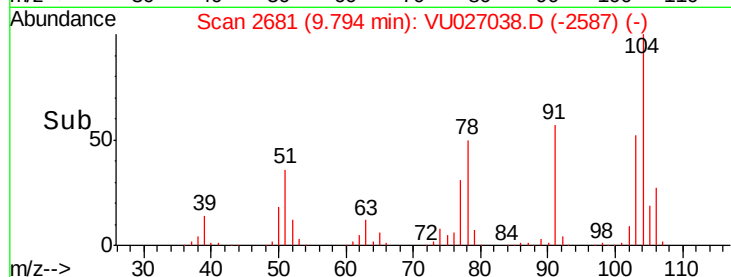
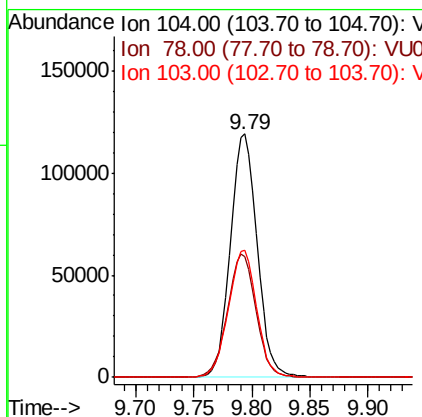
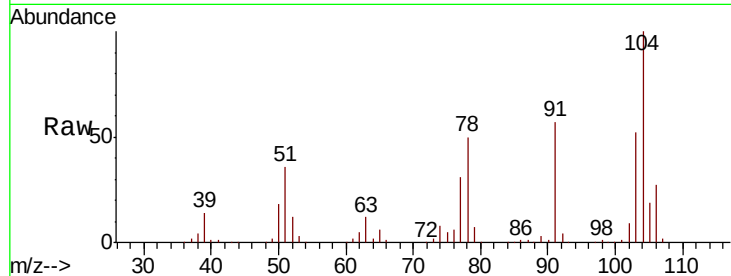
#70
Stvrene
Concen: 44.752 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW308D-20180914MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	189435		
78	54.2	43.0	64.4	
103	55.2	44.1	66.1	

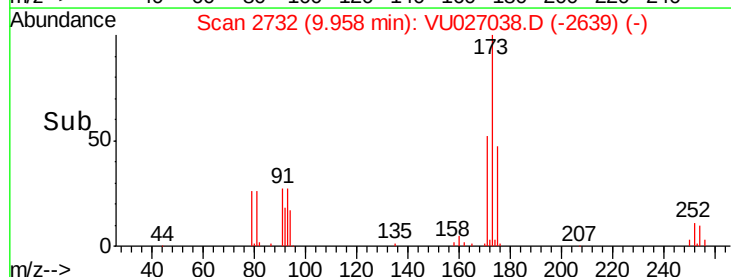
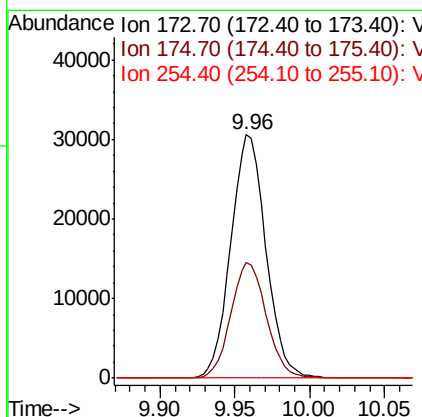
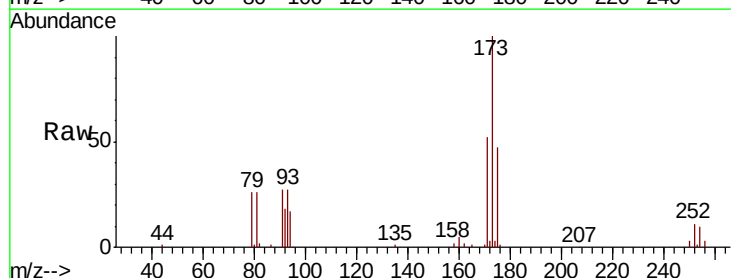
Manual Integrations
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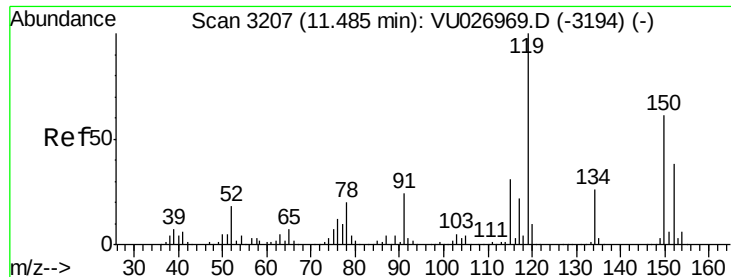
MMDadoda
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#71
Bromoform
Concen: 48.042 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	50011		
175	48.0	23.9	71.8	
254	0.0	0.0	0.0	





#72

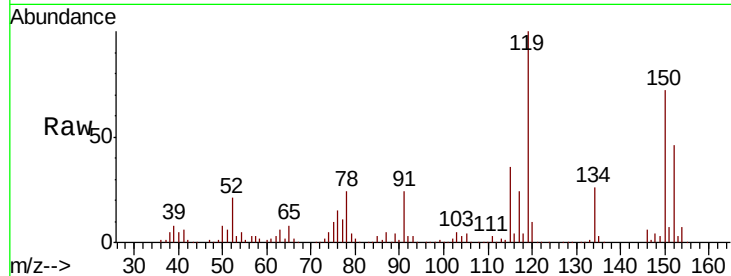
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW308D-20180914MSD

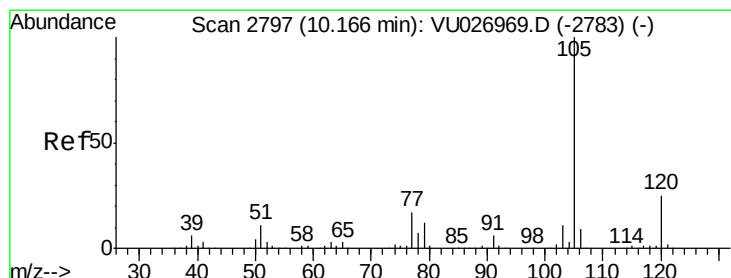
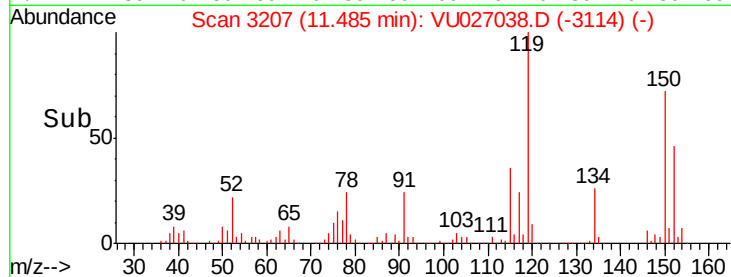
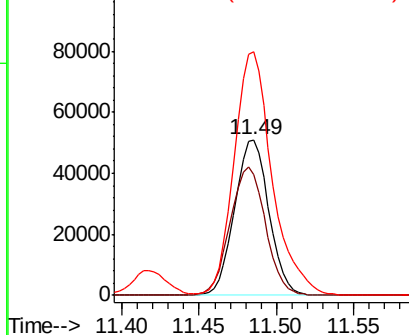
Tot Ion	Ratio	Resp	Lower	Upper
152	100	78521		
115	85.3	44.9	134.5	
150	173.8	0.0	355.8	

Manual Integrations
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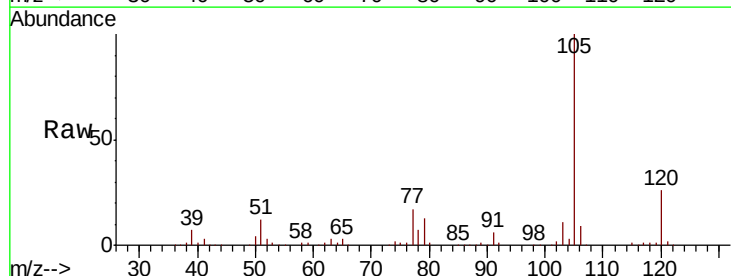
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



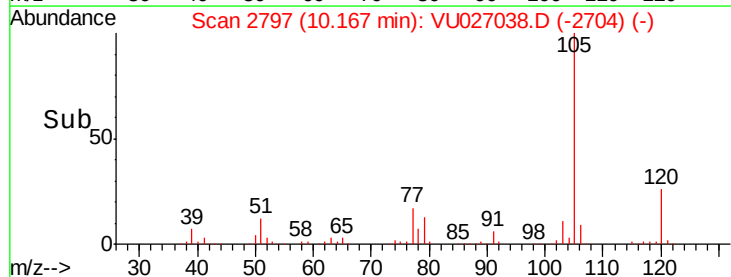
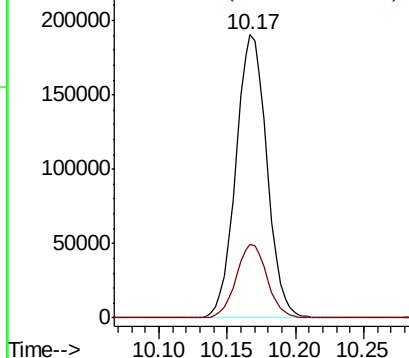
#73

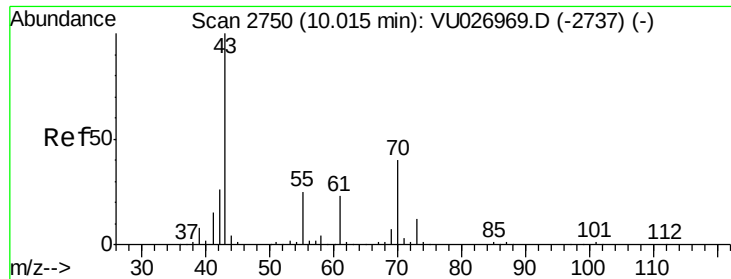
Isopropylbenzene
Concen: 50.296 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	300421		
120	25.9	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: 48.444 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027038.D

Acq: 22 Sep 2018 23:56

Instrument :

MSVOA_U

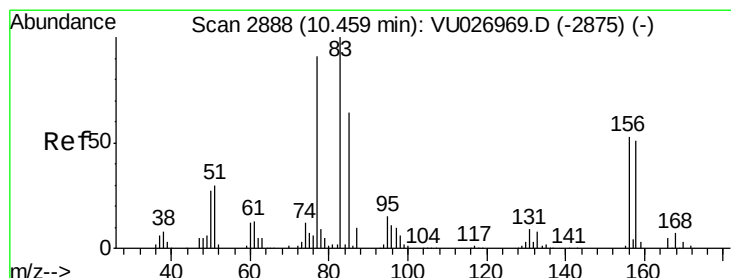
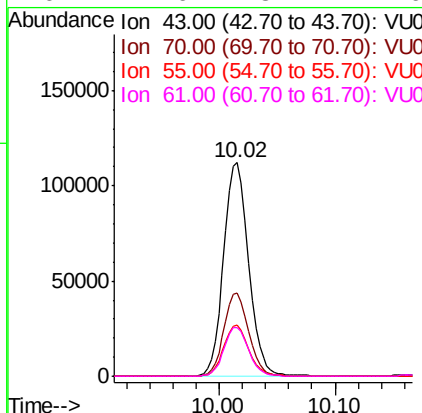
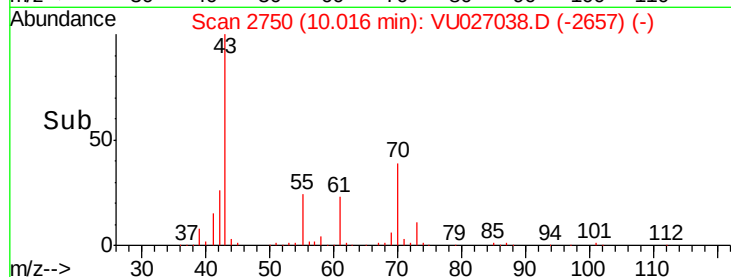
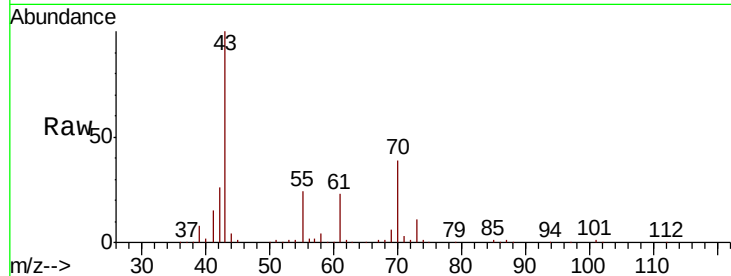
ClientSampleId :

BPSI-TT-MW308D-20180914MSD

Tot Ion:	43	Resp:	167493
Ion	Ratio	Lower	Upper
43	100		
70	38.8	31.8	47.8
55	24.2	19.9	29.9
61	22.6	18.4	27.6

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 45.415 ug/l

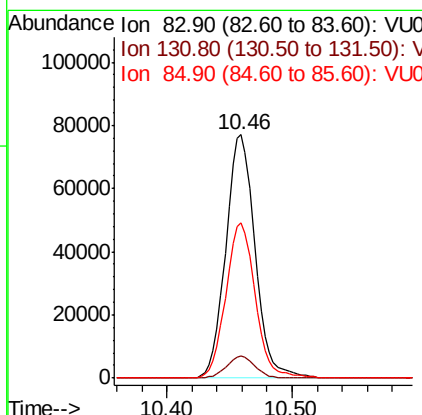
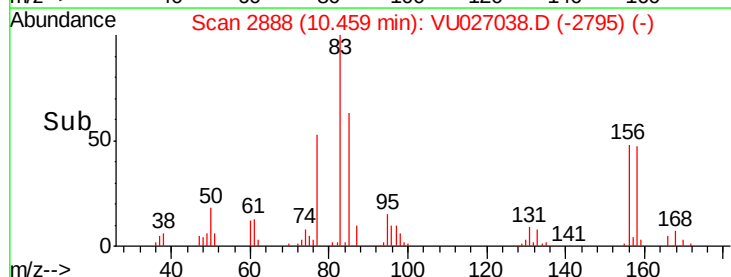
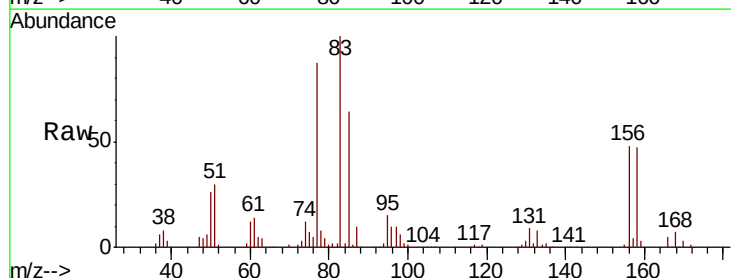
RT: 10.46 min Scan# 2888

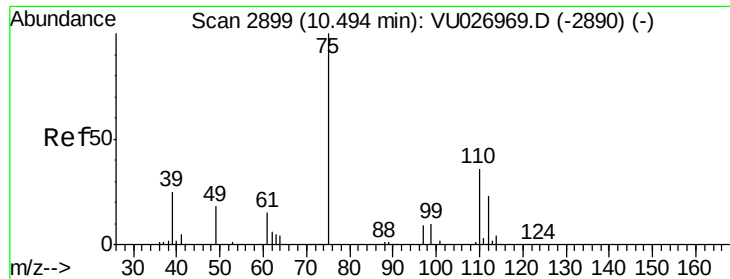
Delta R.T. 0.00 min

Lab File: VU027038.D

Acq: 22 Sep 2018 23:56

Tgt Ion:	83	Resp:	124719
Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.3	12.8
85	64.1	31.9	95.7





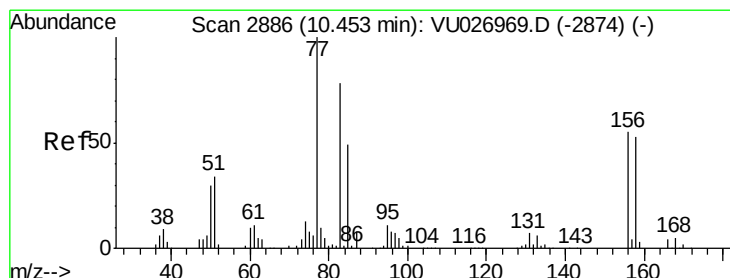
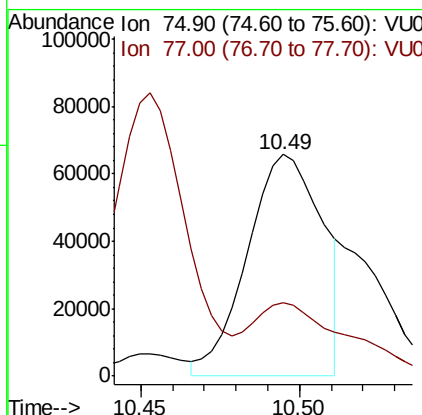
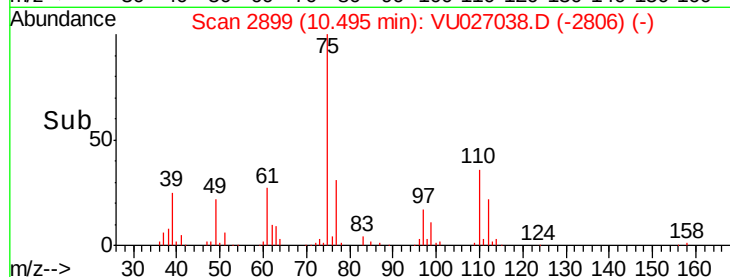
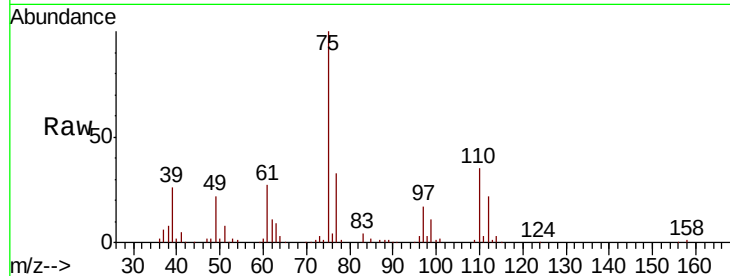
#76
1,2,3-Trichloropropane
Concen: 45.002 ug/l m
RT: 10.49 min Scan# 2899
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW308D-20180914MSD

Tot Ion: 75 Resp: 107350
Ion Ratio Lower Upper
75 100
77 43.8 20.9 62.8

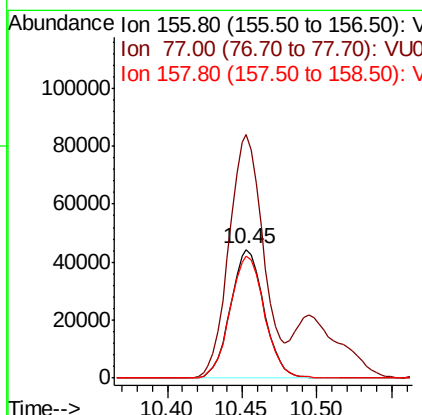
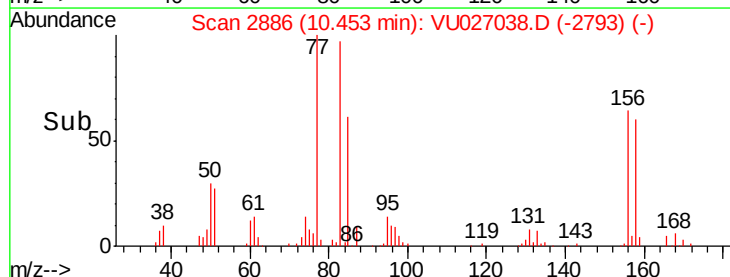
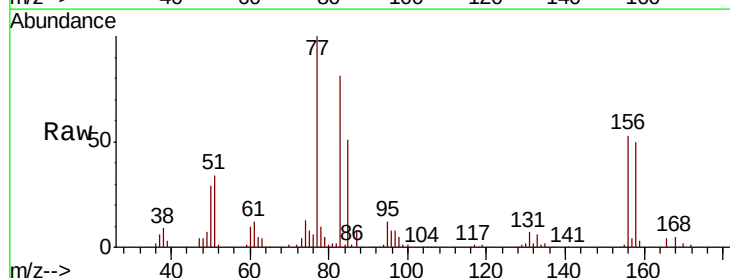
Manual Integrations
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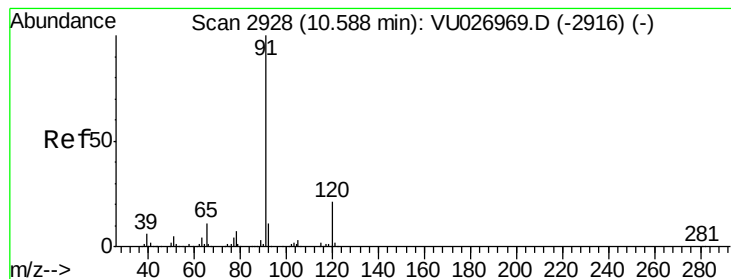
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#77
Bromobenzene
Concen: 47.589 ug/l
RT: 10.45 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Tgt Ion: 156 Resp: 69461
Ion Ratio Lower Upper
156 100
77 193.6 92.3 276.9
158 97.5 48.1 144.3





#78

n-propylbenzene

Concen: 50.806 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027038.D

Acq: 22 Sep 2018 23:56

Instrument :

MSVOA_U

ClientSampleID :

BPSI-TT-MW308D-20180914MSD

Tot Ion: 91 Resp: 359069

Ion Ratio Lower Upper

91 100

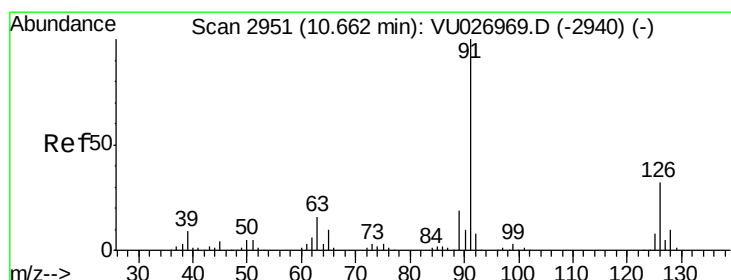
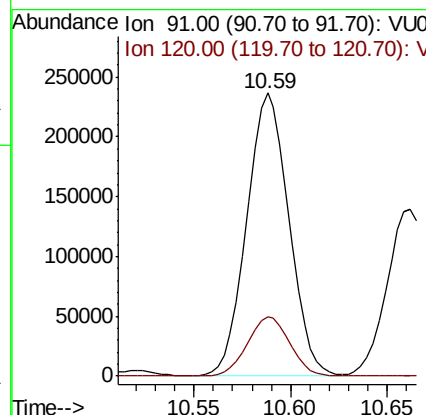
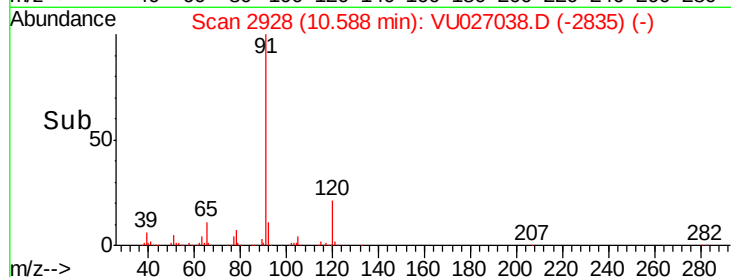
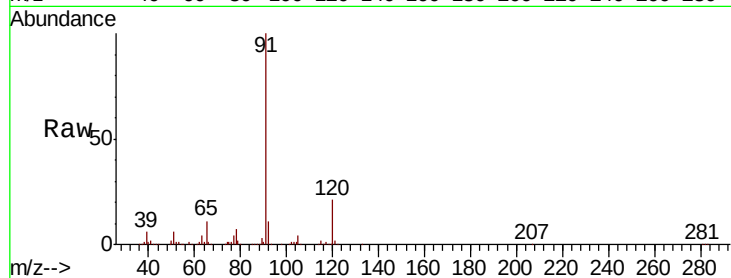
120 21.0 10.6 31.8

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#79

2-Chlorotoluene

Concen: 49.414 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027038.D

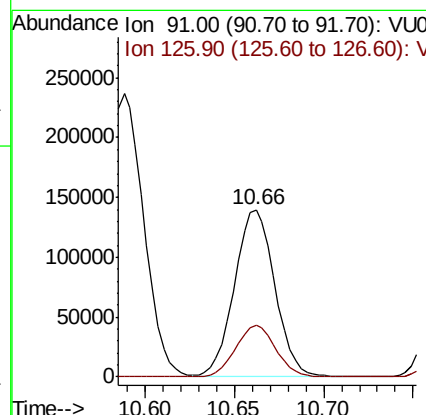
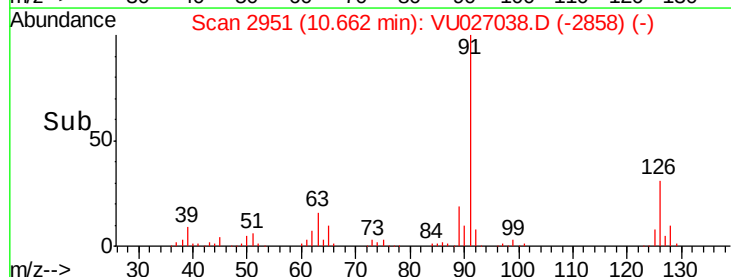
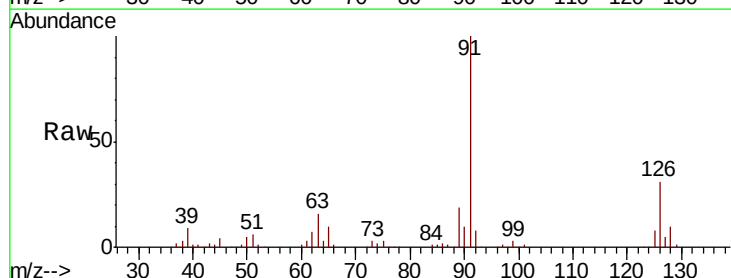
Acq: 22 Sep 2018 23:56

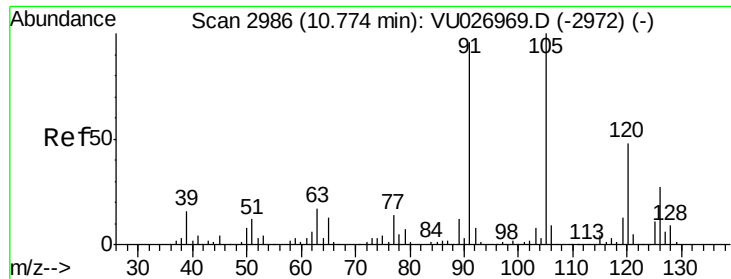
Tgt Ion: 91 Resp: 219363

Ion Ratio Lower Upper

91 100

126 30.8 15.8 47.3





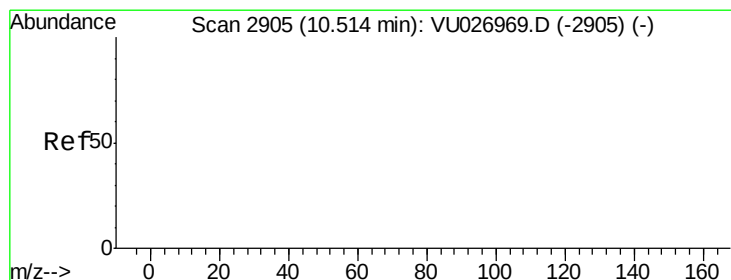
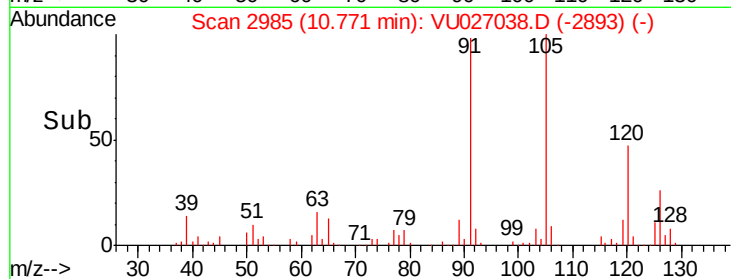
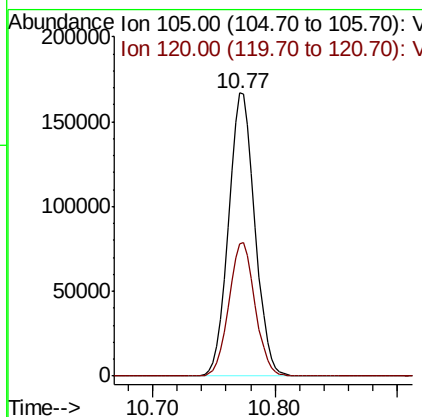
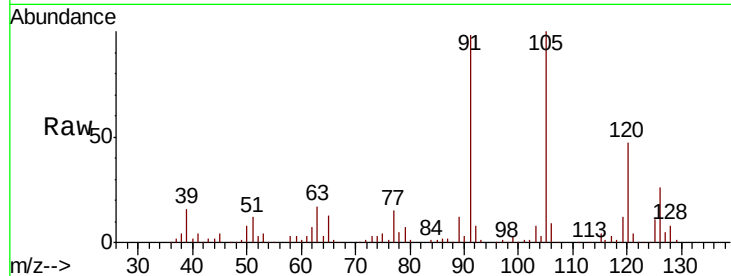
#80
 1,3,5-Trimethylbenzene
 Concen: 51.165 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW308D-20180914MSD

Tot Ion:105 Resp: 252274
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.9 71.7

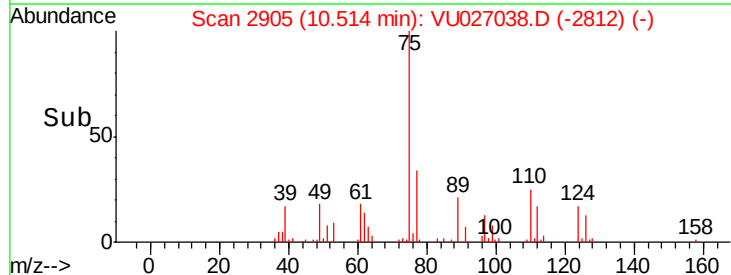
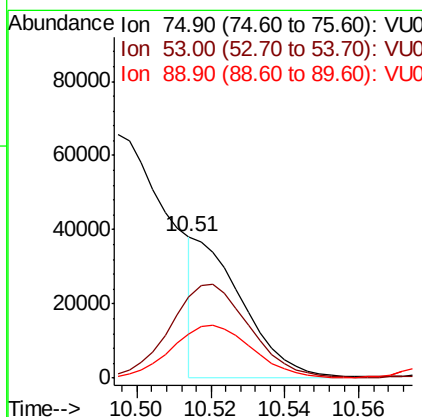
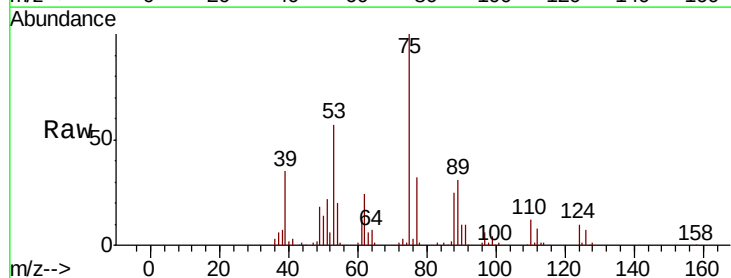
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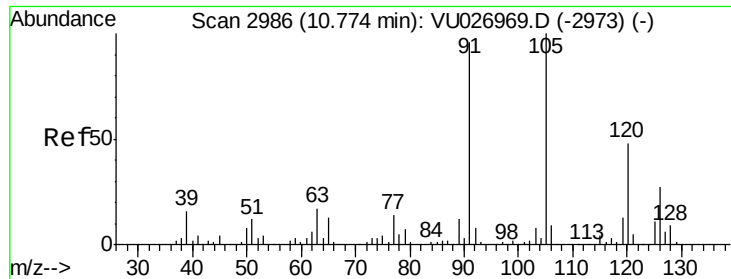
MMDadoda
 9/24/2018 2:14:24 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.230 ug/l m
 RT: 10.51 min Scan# 2905
 Delta R.T. 0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Tgt Ion: 75 Resp: 33715
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 50.067 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027038.D

Acq: 22 Sep 2018 23:56

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW308D-20180914MSD

Tot Ion: 91 Resp: 249216

Ion Ratio Lower Upper

91 100

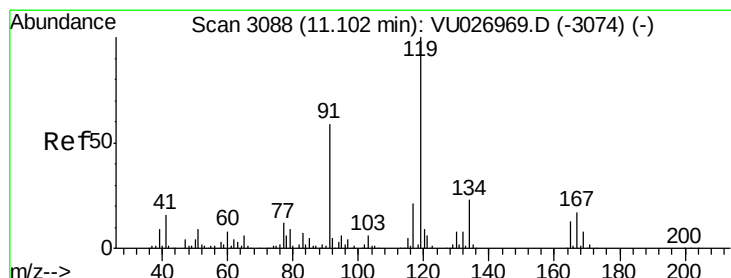
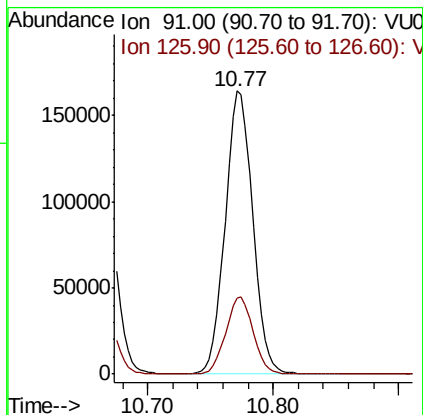
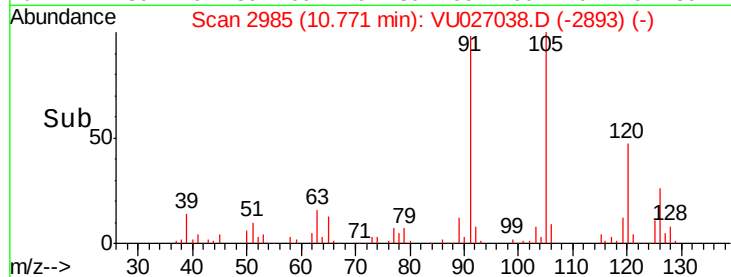
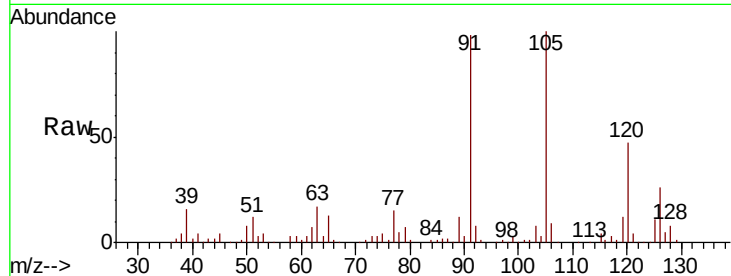
126 27.2 14.1 42.2

Manual Integrations

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#83

tert-Butylbenzene

Concen: 48.690 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027038.D

Acq: 22 Sep 2018 23:56

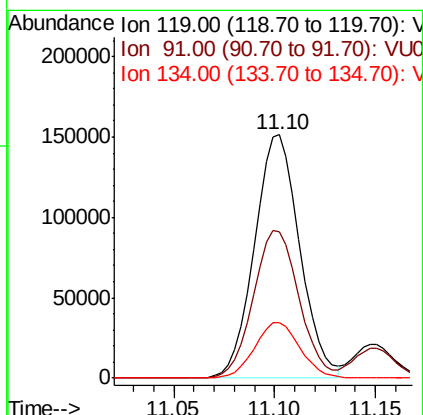
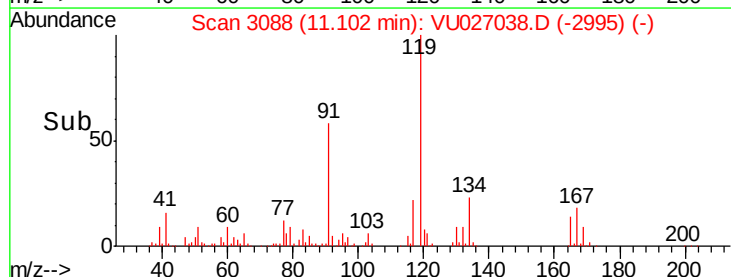
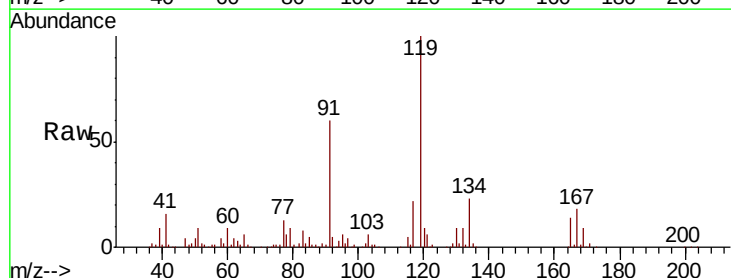
Tgt Ion: 119 Resp: 237345

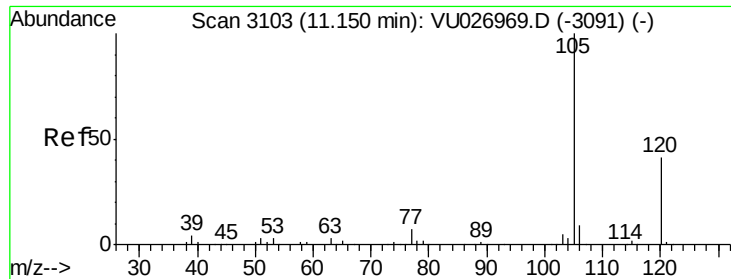
Ion Ratio Lower Upper

119 100

91 61.0 29.8 89.4

134 22.8 11.5 34.4





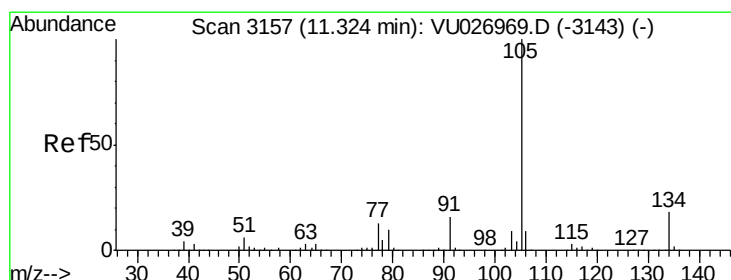
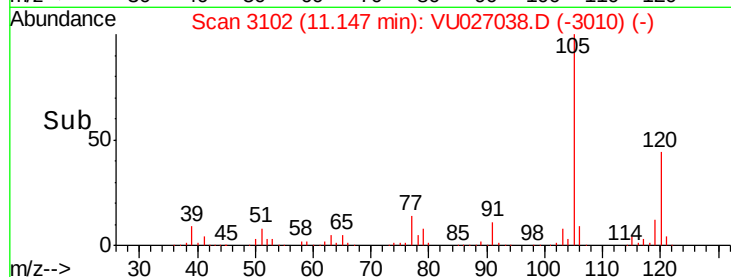
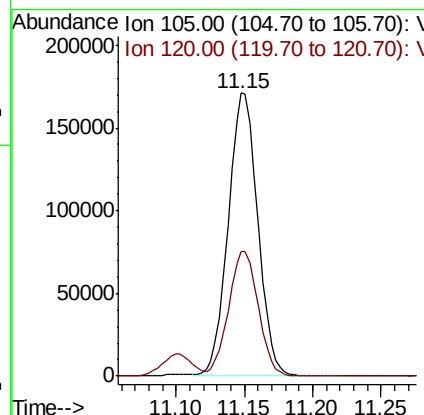
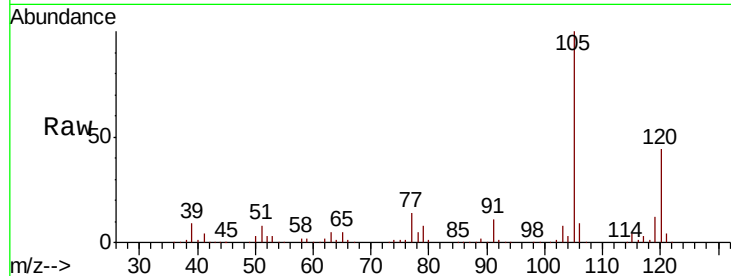
#84
1,2,4-Trimethylbenzene
Concen: 51.216 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW308D-20180914MSD

Tot Ion	Ratio	Resp	Lower	Upper
105	100	256990		
120	44.4	22.4	67.2	

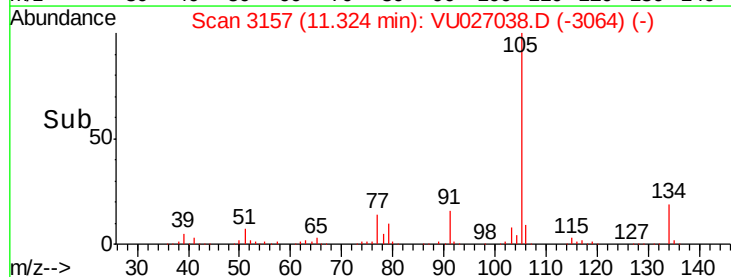
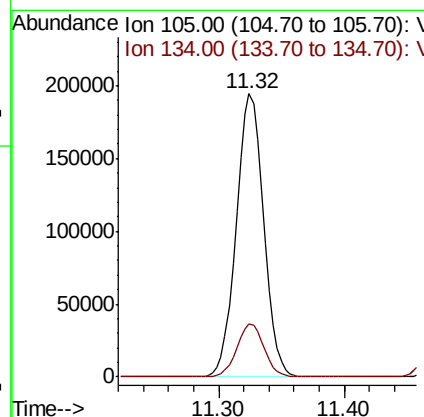
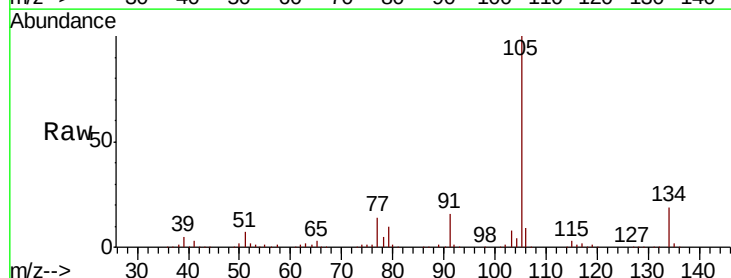
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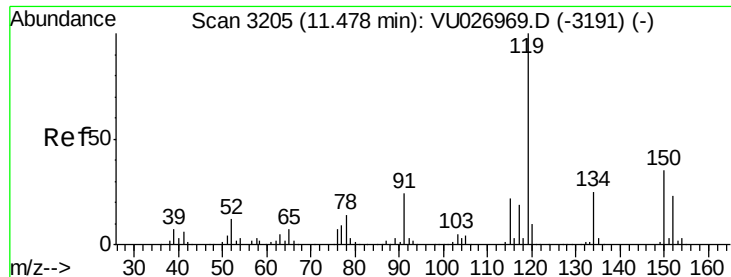
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#85
sec-Butylbenzene
Concen: 49.390 ug/l
RT: 11.32 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	293895		
134	18.4	9.4	28.2	





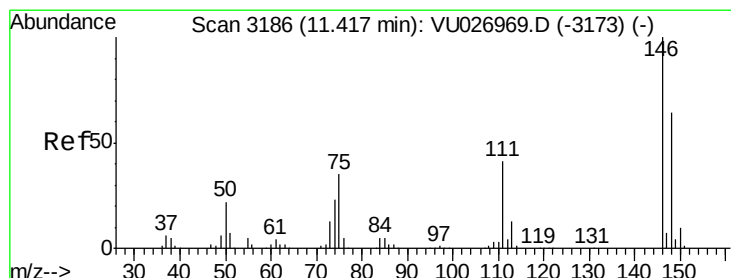
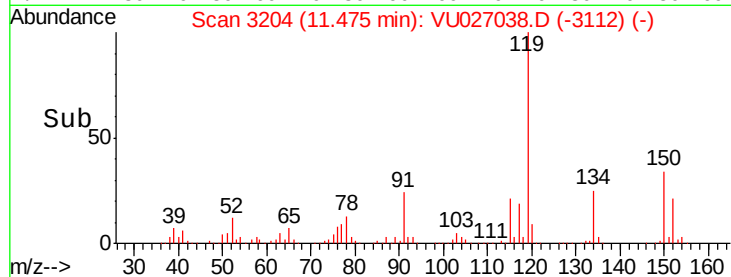
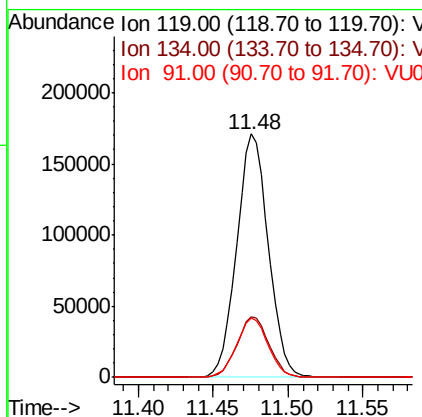
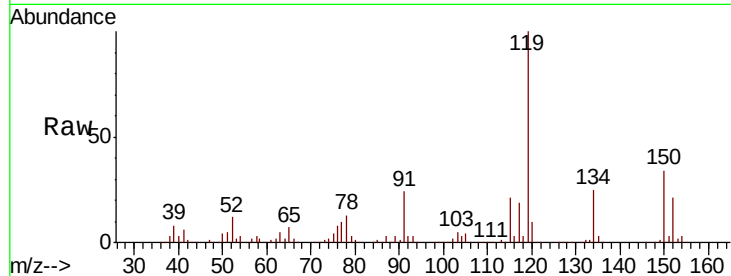
#86
 p-Isopropyltoluene
 Concen: 44.980 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW308D-20180914MSD

Tot Ion:	119	Resp:	250619
Ion Ratio	Lower	Upper	
119	100		
134	25.2	12.8	38.3
91	24.4	12.3	36.8

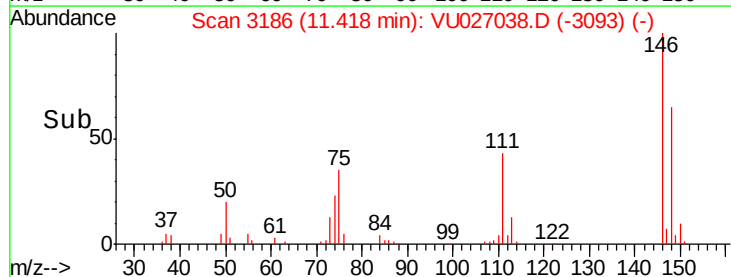
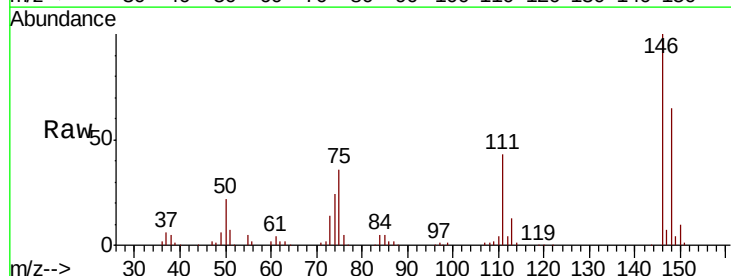
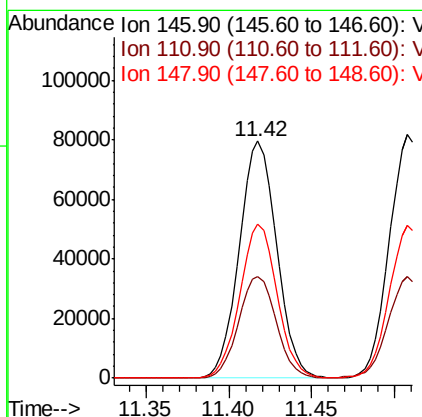
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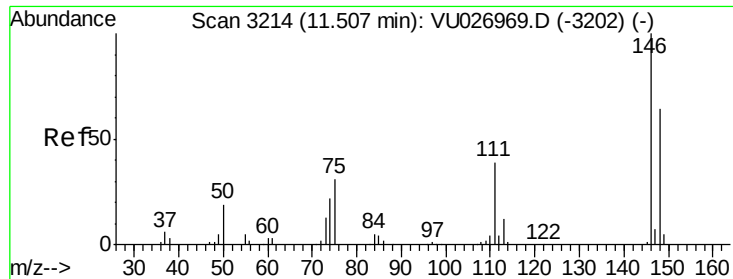
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#87
 1,3-Dichlorobenzene
 Concen: 46.169 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Tgt Ion:	146	Resp:	125402
Ion Ratio	Lower	Upper	
146	100		
111	43.0	20.8	62.2
148	64.2	32.0	96.2





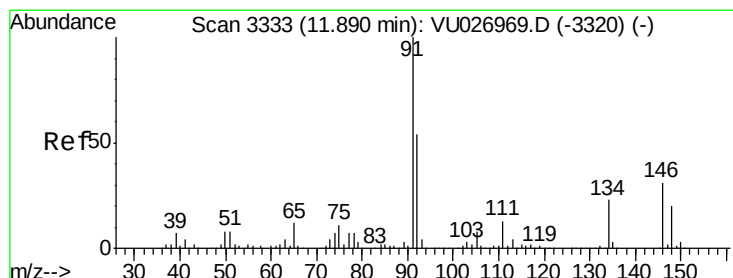
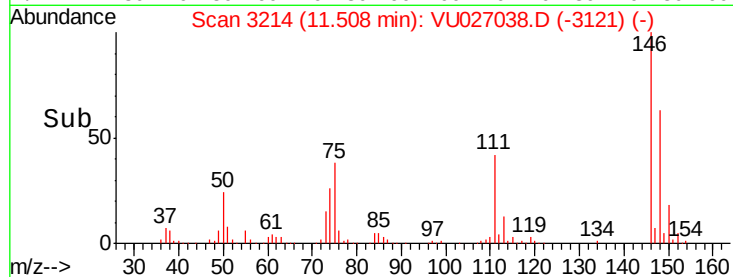
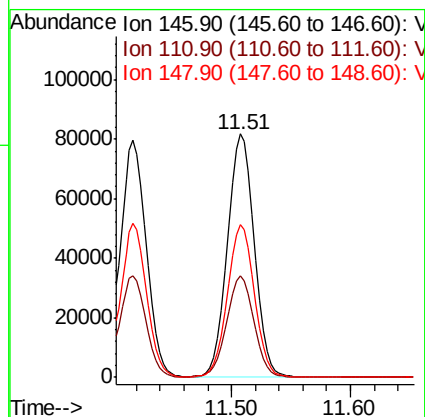
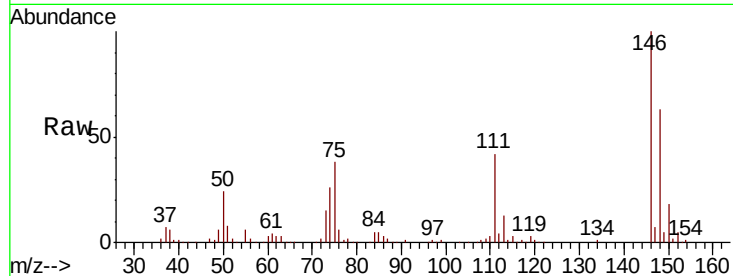
#88
 1,4-Dichlorobenzene
 Concen: 43.231 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW308D-20180914MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.3	60.9
148	62.8	31.9	95.9

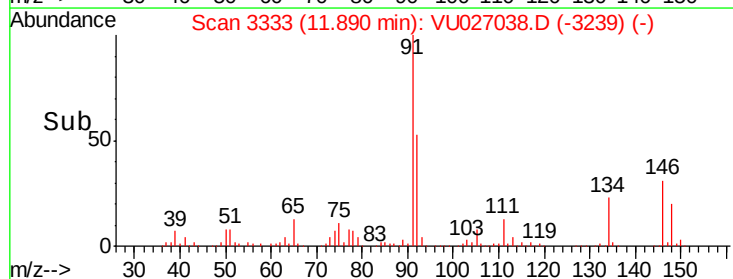
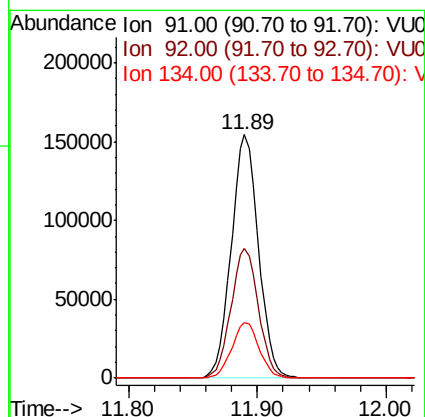
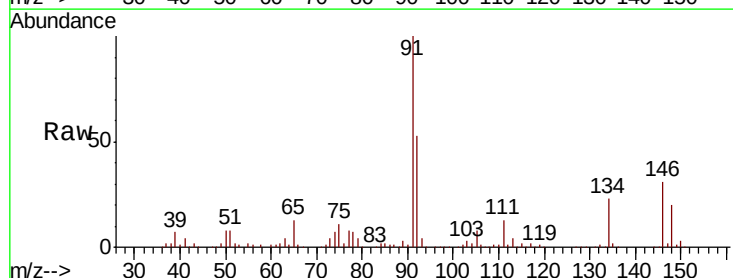
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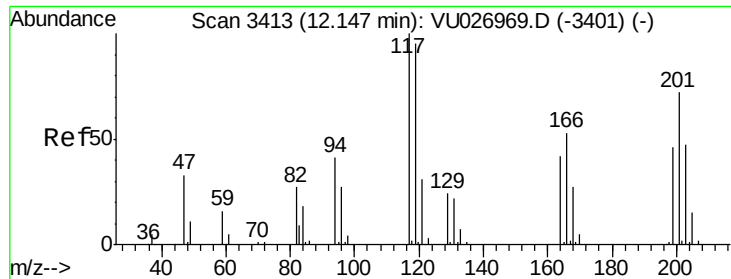
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#89
 n-Butylbenzene
 Concen: 42.113 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.1	81.2
134	23.0	11.7	35.0





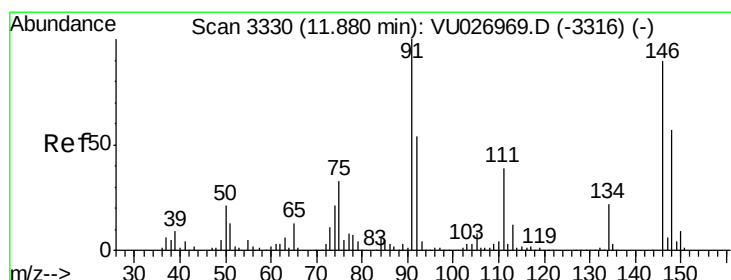
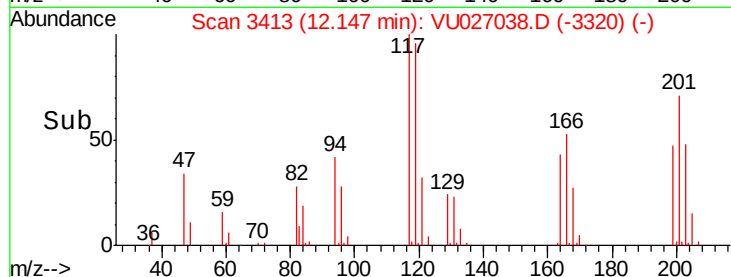
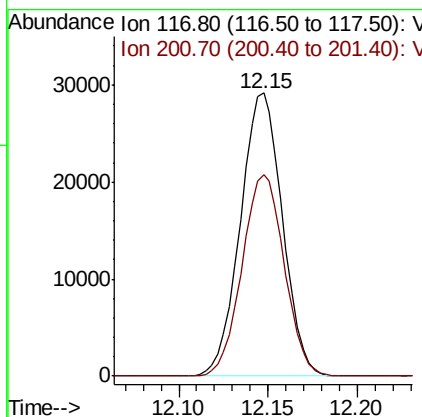
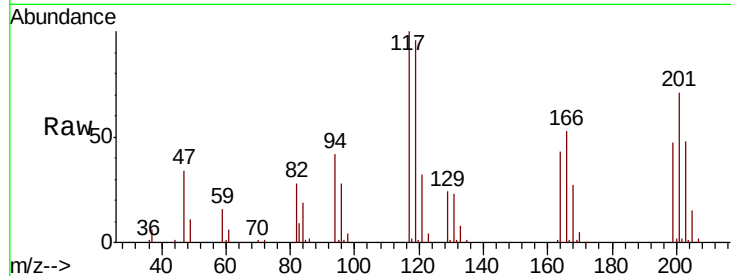
#90
Hexachloroethane
Concen: 44.390 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW308D-20180914MSD

Tot Ion:117 Resp: 48033
Ion Ratio Lower Upper
117 100
201 71.4 36.8 110.3

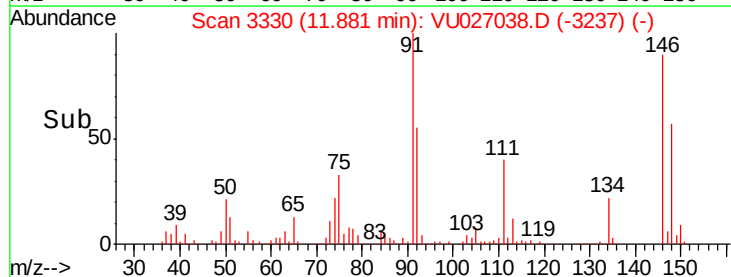
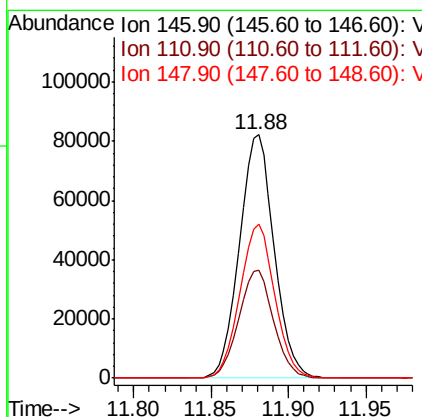
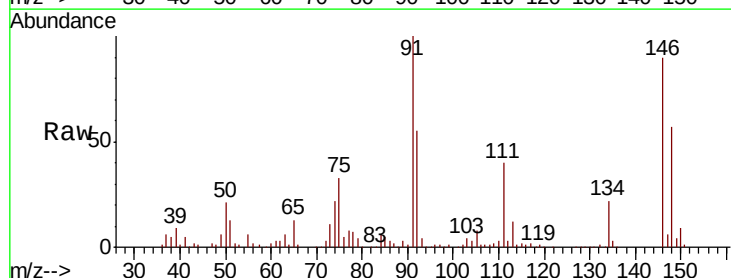
Manual Integrations
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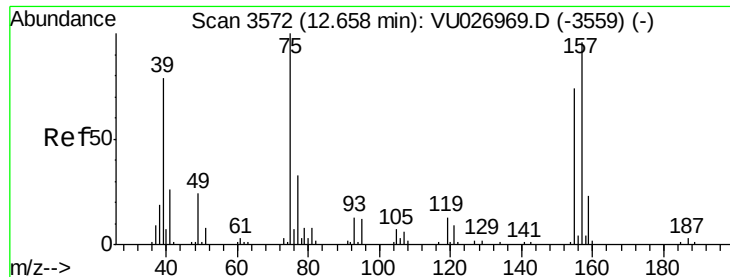
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#91
1,2-Dichlorobenzene
Concen: 44.485 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU027038.D
Acq: 22 Sep 2018 23:56

Tgt Ion:146 Resp: 128351
Ion Ratio Lower Upper
146 100
111 44.3 21.8 65.3
148 63.4 31.9 95.7





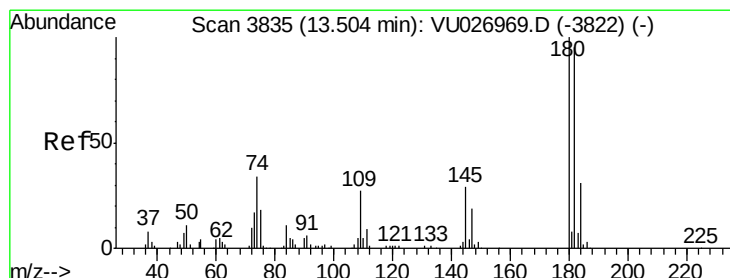
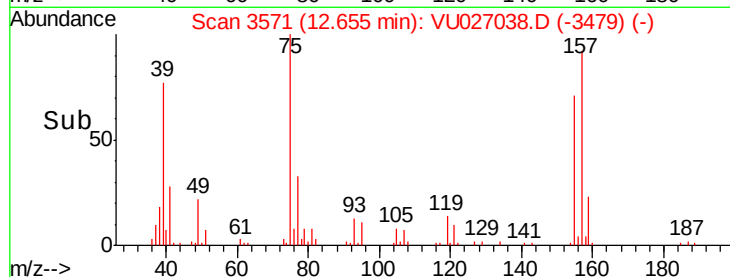
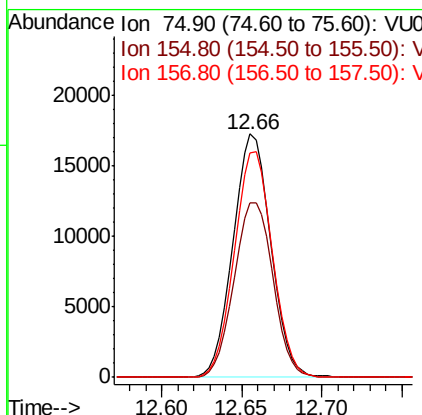
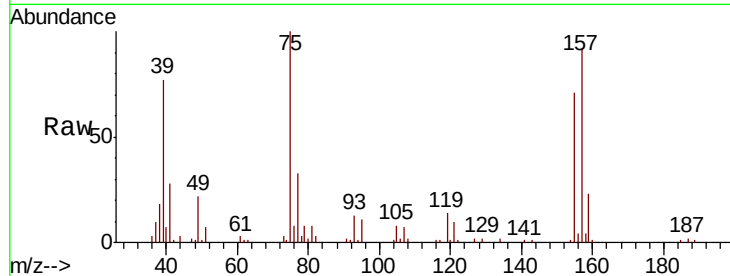
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.596 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW308D-20180914MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	73.8	36.6	109.8
157	92.9	47.4	142.2

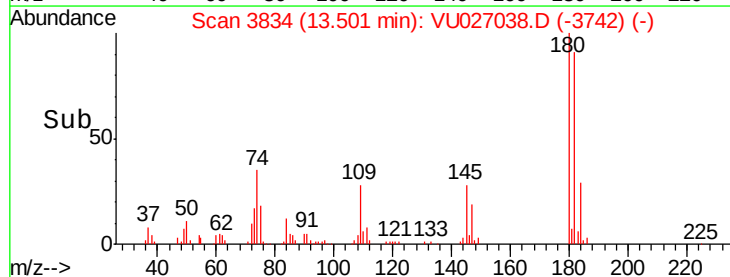
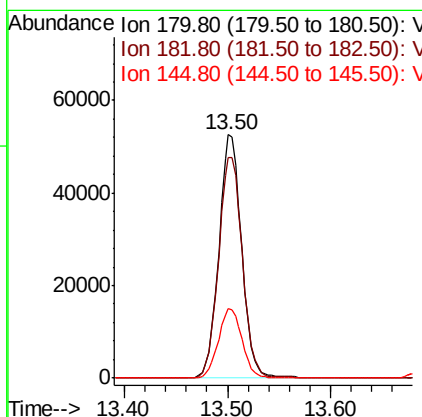
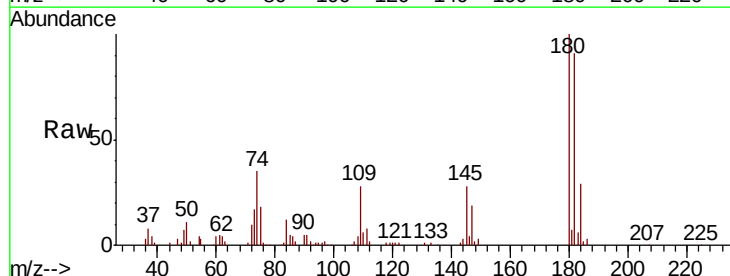
Manual Integrations
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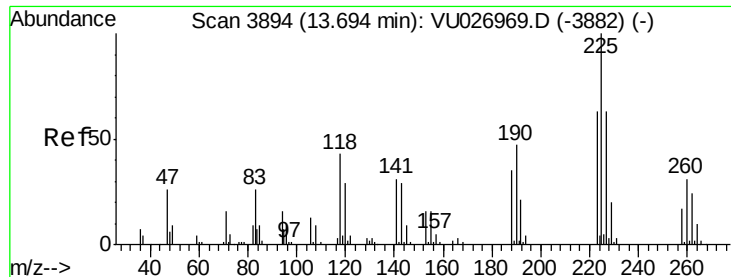
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#93
 1,2,4-Trichlorobenzene
 Concen: 48.481 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.2
145	29.5	14.9	44.5





#94

Hexachlorobutadiene

Concen: 40.556 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU027038.D

Acq: 22 Sep 2018 23:56

Instrument :

MSVOA_U

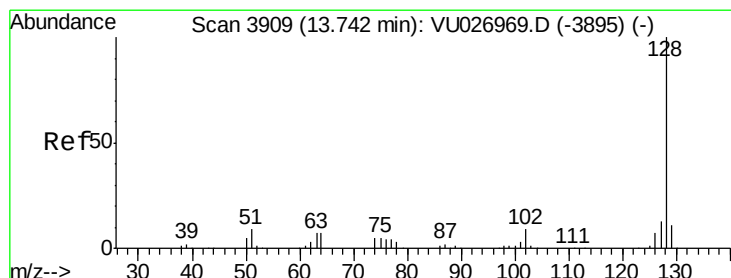
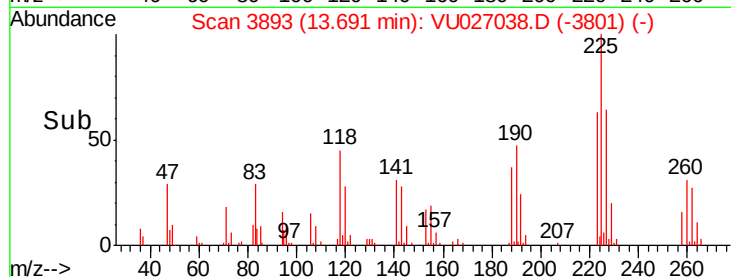
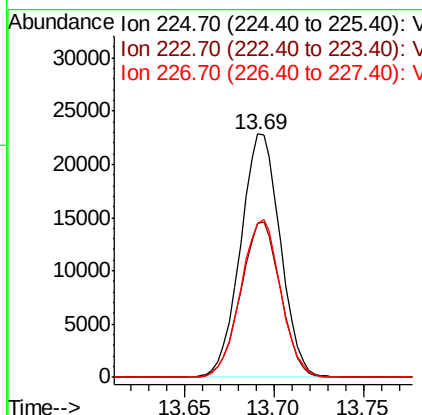
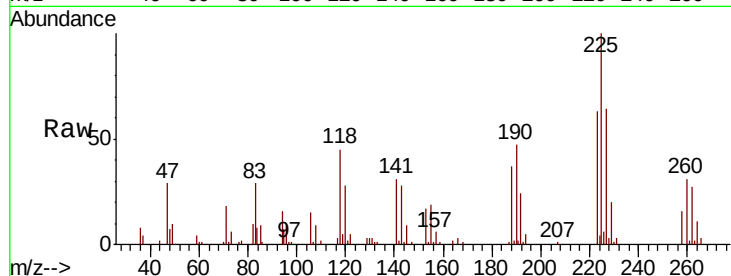
ClientSampleId :

BPSI-TT-MW308D-20180914MSD

Tot Ion:	225	Resp:	35679
Ion Ratio		Lower	Upper
225	100		
223	63.9	31.9	95.7
227	64.9	32.1	96.5

Manual Integrations
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#95

Naphthalene

Concen: 47.567 ug/l

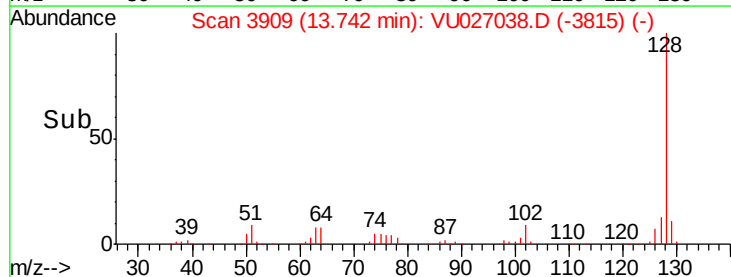
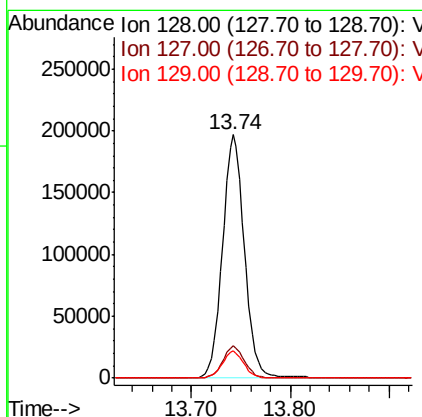
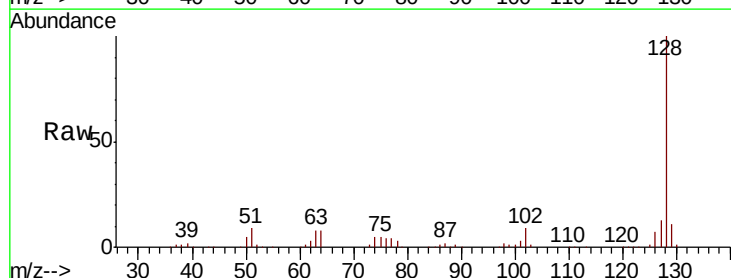
RT: 13.74 min Scan# 3909

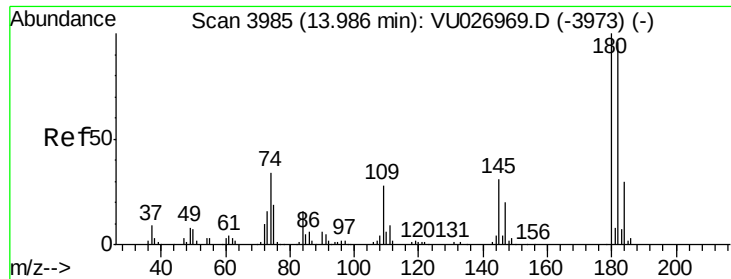
Delta R.T. 0.00 min

Lab File: VU027038.D

Acq: 22 Sep 2018 23:56

Tgt Ion:	128	Resp:	308667
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.8	8.6	12.8





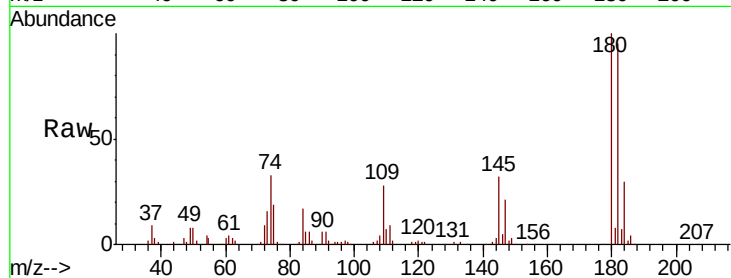
#96
 1,2,3-Trichlorobenzene
 Concen: 48.493 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU027038.D
 Acq: 22 Sep 2018 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW308D-20180914MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.5	142.5
145	32.9	15.4	46.4

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:24 PM



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

