

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027252.D
 Acq On : 28 Sep 2018 02:25
 Operator : MD/SY
 Sample : J5033-17MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:07:17 PM

Quant Time: Sep 28 05:18:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	77427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	132626	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	129376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	72059	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	75946	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
35) Dibromofluoromethane	4.88	113	54294	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
50) Toluene-d8	7.57	98	199521	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	
62) 4-Bromofluorobenzene	10.31	95	75462	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	56777	56.164	ug/l	99
3) Chloromethane	1.33	50	79771	45.769	ug/l	99
4) Vinyl Chloride	1.40	62	83641	51.410	ug/l	99
5) Bromomethane	1.62	94	63023	68.024	ug/l	99
6) Chloroethane	1.69	64	51644	49.681	ug/l	99
7) Trichlorofluoromethane	1.88	101	94132	50.943	ug/l	96
8) Diethyl Ether	2.10	74	44552	50.092	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	55715	49.038	ug/l	99
10) Methyl Iodide	2.41	142	29217	20.734	ug/l	98
11) Tert butyl alcohol	2.83	59	85281	238.759	ug/l	98
12) 1,1-Dichloroethene	2.28	96	54588	51.046	ug/l	99
13) Acrolein	2.19	56	27988	145.357	ug/l	99
14) Allyl chloride	2.59	41	120953	55.765	ug/l	95
15) Acrylonitrile	2.94	53	243448	270.425	ug/l	99
16) Acetone	2.32	43	213489	258.468	ug/l	99
17) Carbon Disulfide	2.48	76	182621	52.422	ug/l	100
18) Methyl Acetate	2.62	43	120801	54.463	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	234492	59.671	ug/l	99
20) Methylene Chloride	2.70	84	69757	49.983	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	61203	53.605	ug/l	97
22) Diisopropyl ether	3.57	45	269114	58.009	ug/l	97
23) Vinyl Acetate	3.53	43	1058670	267.708	ug/l	99
24) 1,1-Dichloroethane	3.45	63	137248	53.715	ug/l	99
25) 2-Butanone	4.26	43	348076	265.785	ug/l	99
26) 2,2-Dichloropropane	4.23	77	82967	41.636	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	81671	63.340	ug/l	98
28) Bromochloromethane	4.55	49	66276	53.810	ug/l	95
29) Tetrahydrofuran	4.64	42	227754	287.485	ug/l	96
30) Chloroform	4.67	83	126752	53.443	ug/l	99
31) Cyclohexane	5.00	56	127454	54.932	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	102791	54.282	ug/l	99
36) 1,1-Dichloropropene	5.14	75	92910	52.490	ug/l	98
37) Ethyl Acetate	4.38	43	120647	50.350	ug/l	99
38) Carbon Tetrachloride	5.14	117	86785	51.522	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	105432	54.811	ug/l	97
40) Benzene	5.39	78	280736	52.173	ug/l	99
41) Methacrylonitrile	4.54	41	73324	58.921	ug/l	97
42) 1,2-Dichloroethane	5.40	62	107695	52.974	ug/l	100
43) Isopropyl Acetate	5.55	43	188729	54.007	ug/l	98
44) Trichloroethene	6.19	130	62276	54.364	ug/l	99
45) 1,2-Dichloropropane	6.43	63	81446	53.121	ug/l	99
46) Dibromomethane	6.56	93	48098	51.943	ug/l	99
47) Bromodichloromethane	6.76	83	95370	50.935	ug/l	99
48) Methyl methacrylate	6.62	41	100872	52.973	ug/l	98
49) 1,4-Dioxane	6.61	88	33589	889.042	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	668953	284.627	ug/l	100
52) Toluene	7.64	92	168754	54.713	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	109280	54.322	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	112857	51.022	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	67630	51.748	ug/l	99
56) Ethyl methacrylate	8.02	69	114306	50.390	ug/l	97
57) 1,3-Dichloropropane	8.24	76	131476	54.089	ug/l	99
59) 2-Hexanone	8.36	43	509763	277.083	ug/l	99
60) Dibromochloromethane	8.48	129	68057	53.089	ug/l	98
61) 1,2-Dibromoethane	8.59	107	70672	51.972	ug/l	100
64) Tetrachloroethene	8.23	164	49896	50.050	ug/l	99
65) Chlorobenzene	9.12	112	171574	50.015	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	60776	51.437	ug/l	99
67) Ethyl Benzene	9.25	91	310613	55.064	ug/l	100
68) m/p-Xylenes	9.38	106	232686	101.826	ug/l	99
69) o-Xylene	9.78	106	111168	55.622	ug/l	98
70) Stvrene	9.79	104	187531	50.243	ug/l	100
71) Bromoform	9.96	173	49349	54.010	ug/l #	98
73) Isopropylbenzene	10.17	105	301528	55.009	ug/l	100
74) N-amyl acetate	10.01	43	163003	51.374	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	118737	47.114	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	107343m	49.035	ug/l	
77) Bromobenzene	10.45	156	68268	50.966	ug/l	96
78) n-propylbenzene	10.59	91	366874	56.566	ug/l	99
79) 2-Chlorotoluene	10.66	91	218775	53.701	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	253355	55.992	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	28119m	41.106	ug/l	
82) 4-Chlorotoluene	10.77	91	250071	54.744	ug/l	99
83) tert-Butylbenzene	11.10	119	239532	53.545	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	259439	56.340	ug/l	99
85) sec-Butylbenzene	11.32	105	302695	55.431	ug/l	100
86) p-Isopropyltoluene	11.48	119	256952	50.144	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	126147	50.608	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	127940	47.094	ug/l	99
89) n-Butylbenzene	11.89	91	238200	48.053	ug/l	99
90) Hexachloroethane	12.15	117	47139	47.470	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	126477	47.767	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26350	51.251	ug/l	98
93) 1,2,4-Trichlorobenzene	13.50	180	80718	52.901	ug/l	99

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QLast Update : Sat Sep 22 01:31:57 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	39487	48.910	ug/l	98
95) Naphthalene	13.74	128	290407	48.723	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	86682	52.975	ug/l	99

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

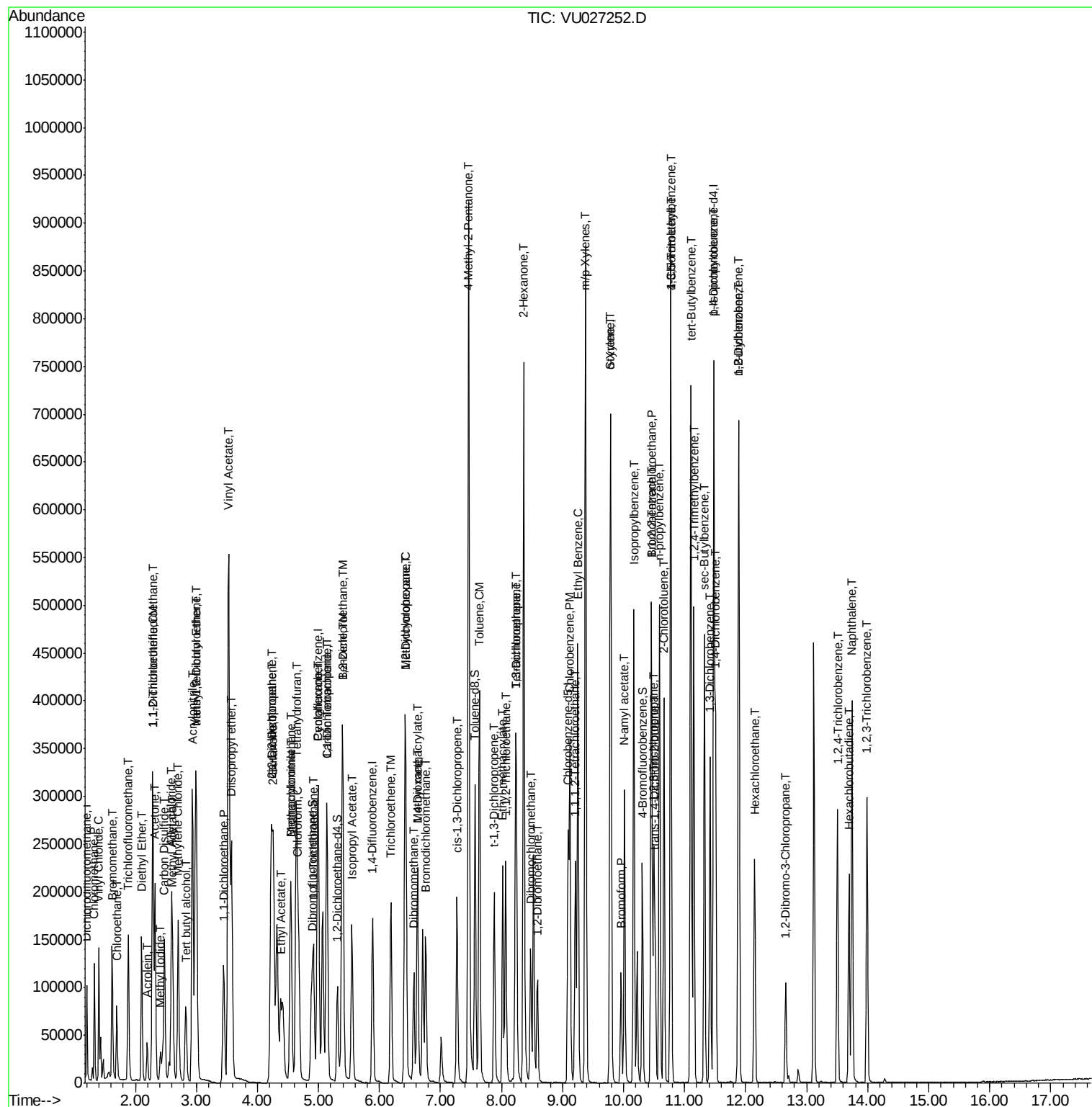
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092818\
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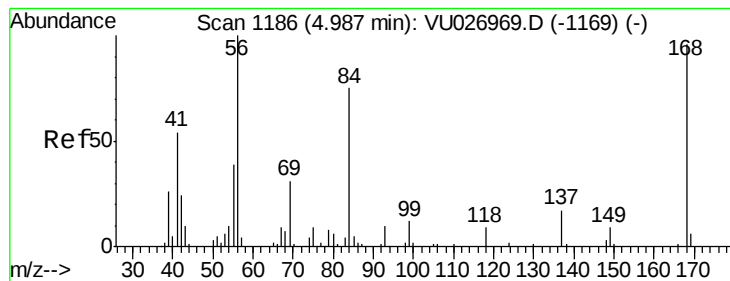
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW311I-20180919MSD

Tot Ion:168 Resp: 77427

Ion Ratio Lower Upper

168 100

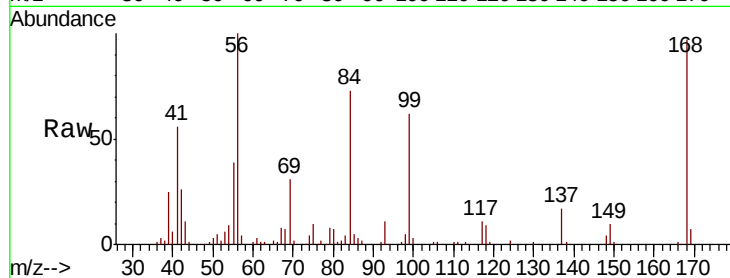
99 62.6 48.1 72.1

Manual Integrations

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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

30000

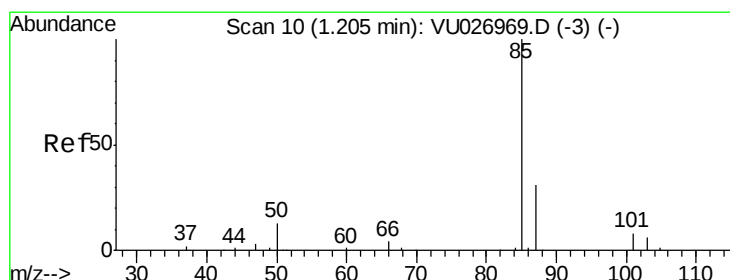
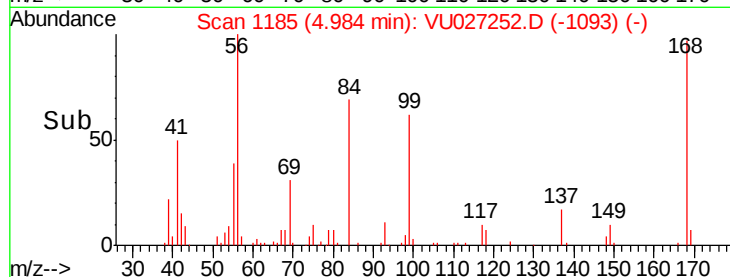
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 56.164 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027252.D

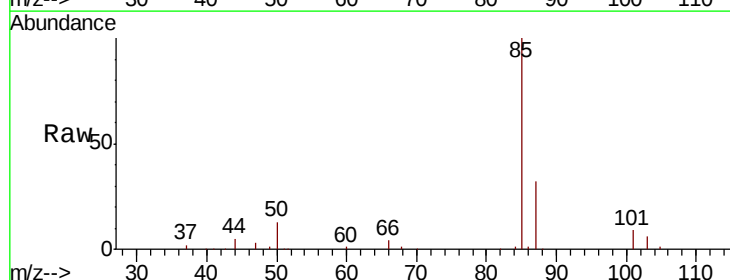
Acq: 28 Sep 2018 02:25

Tgt Ion: 85 Resp: 56777

Ion Ratio Lower Upper

85 100

87 31.8 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

60000

50000

40000

30000

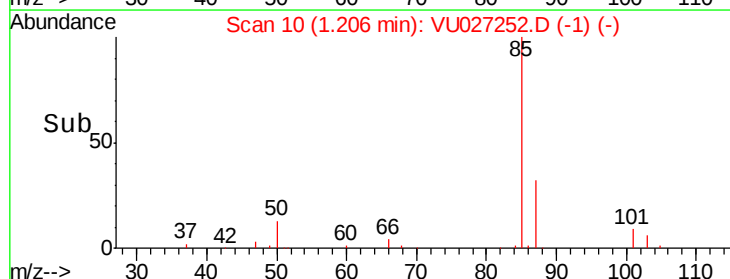
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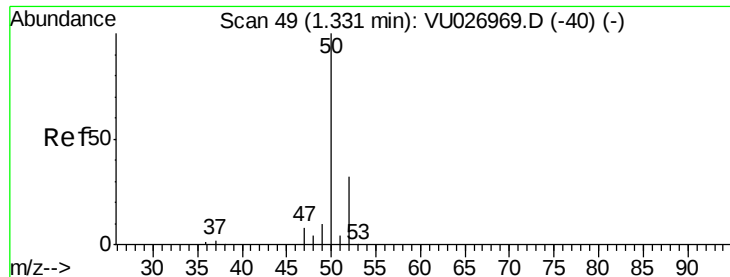
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 45.769 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 50 Resp: 79771

Ion Ratio Lower Upper

50 100

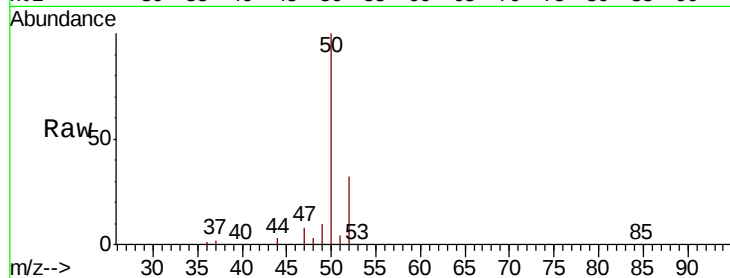
52 31.6 25.9 38.9

Manual Integrations

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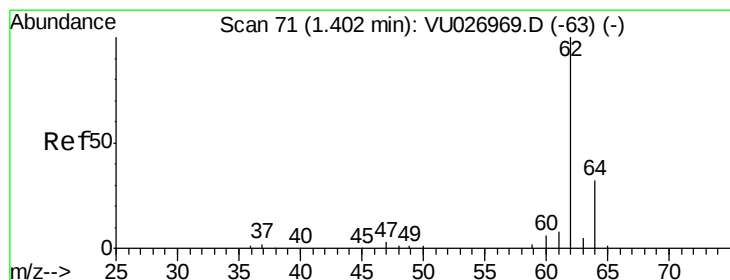
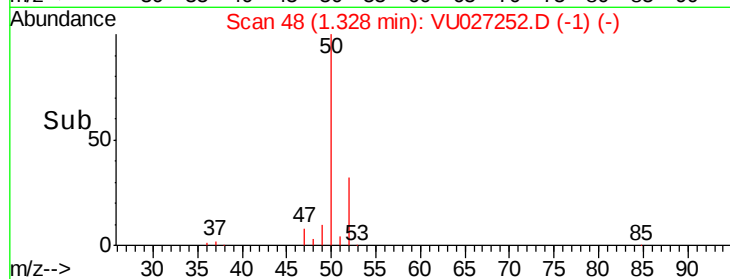
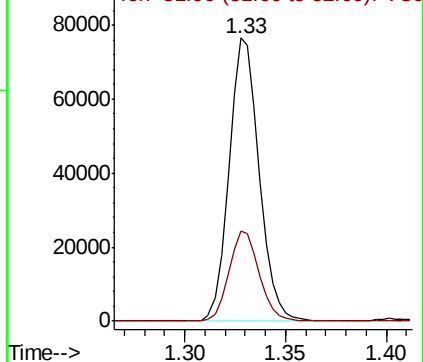
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 51.410 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027252.D

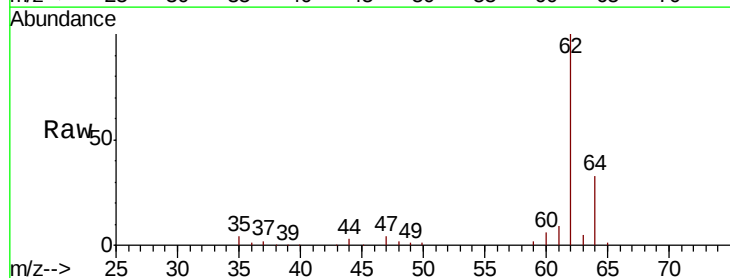
Acq: 28 Sep 2018 02:25

Tgt Ion: 62 Resp: 83641

Ion Ratio Lower Upper

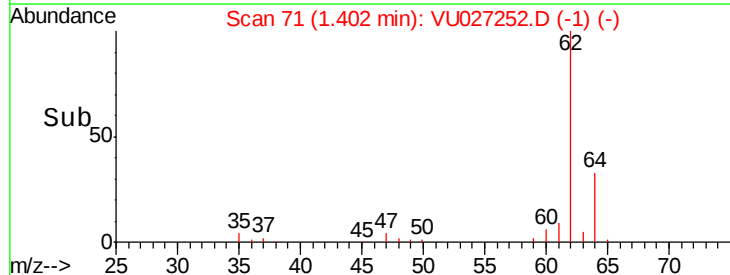
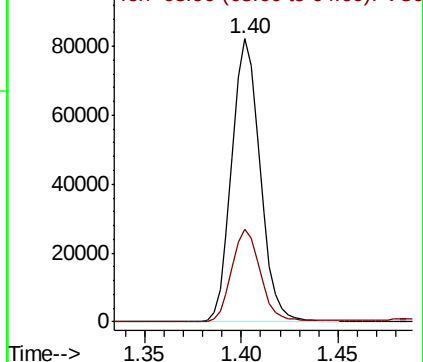
62 100

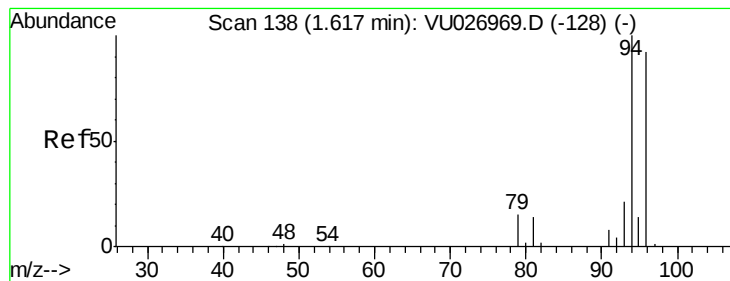
64 32.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 68.024 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.00 min

Lab File: VU027252.D

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Tot Ion: 94 Resp: 63023

Ion Ratio Lower Upper

94 100

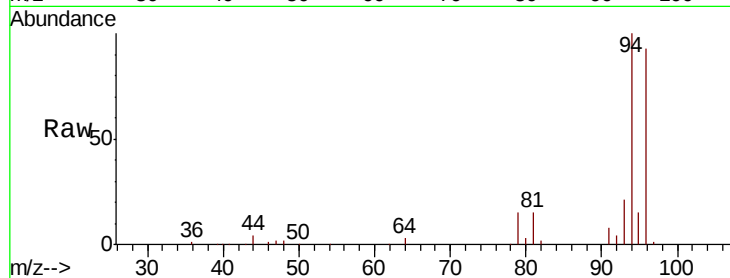
96 92.7 73.2 109.8

Manual Integrations

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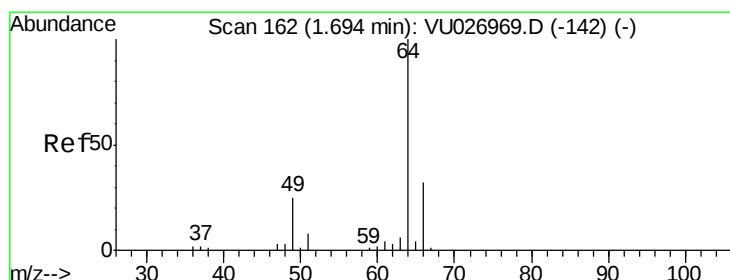
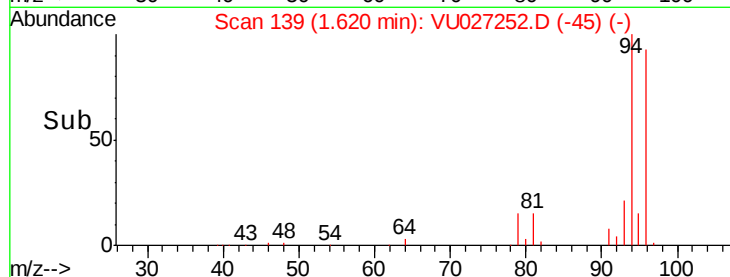
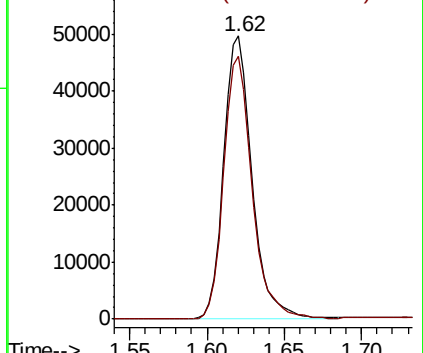
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 49.681 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU027252.D

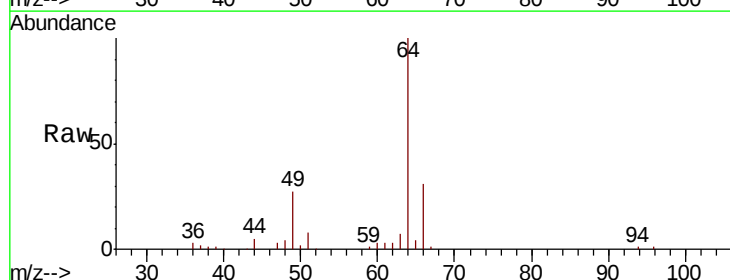
Acq: 28 Sep 2018 02:25

Tgt Ion: 64 Resp: 51644

Ion Ratio Lower Upper

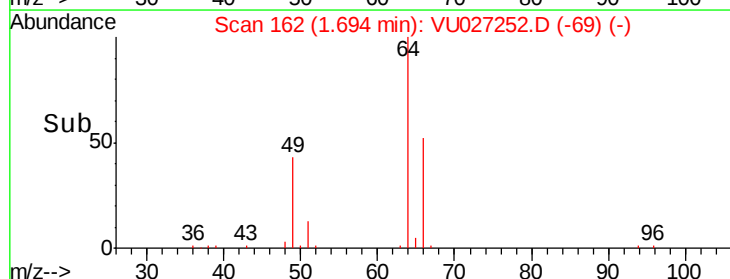
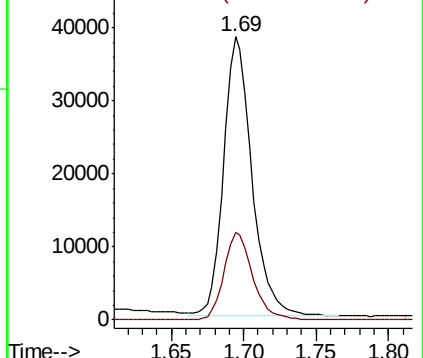
64 100

66 31.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

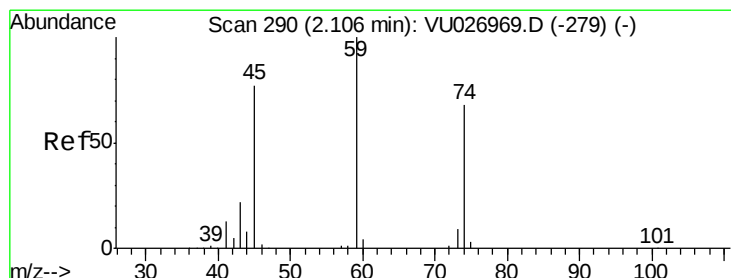
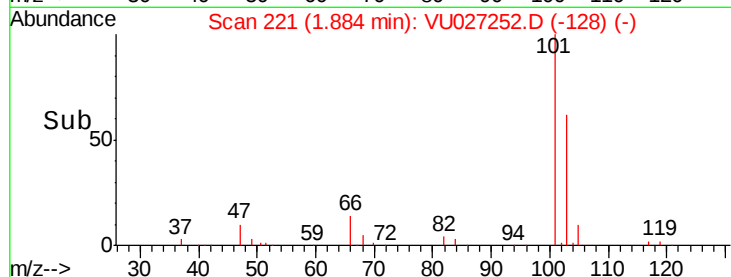
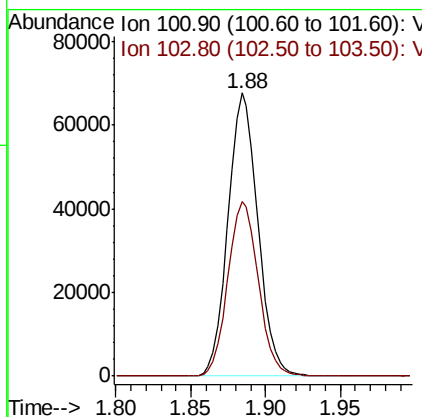
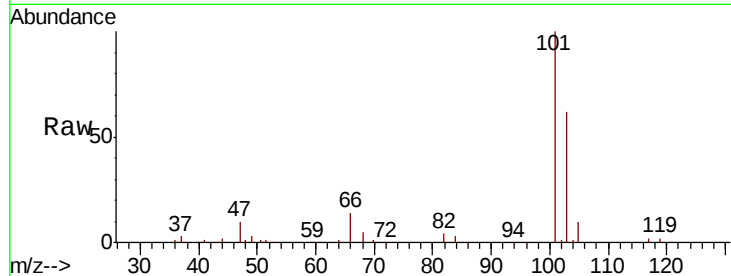
Trichlorofluoromethane
 Concen: 50.943 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU027252.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.9	52.2	78.2

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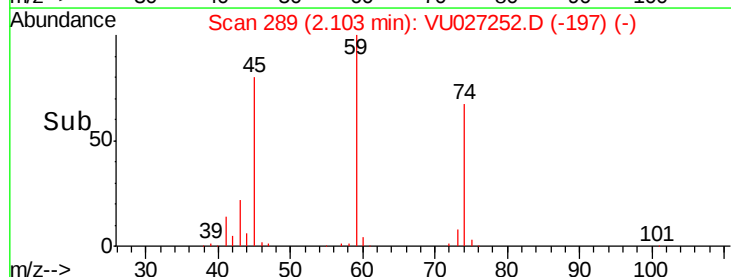
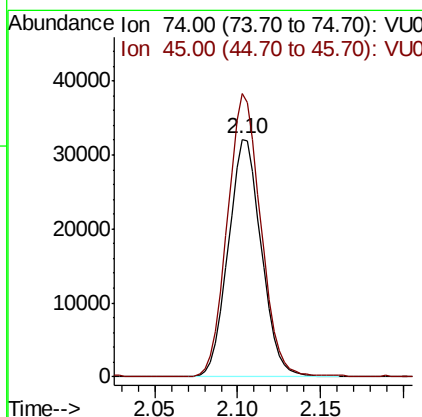
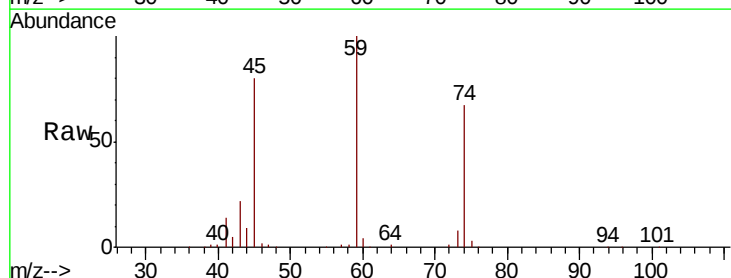
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#8

Diethyl Ether
 Concen: 50.092 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027252.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.1	56.9	170.7





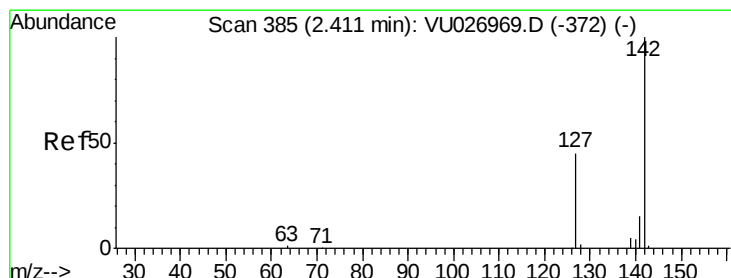
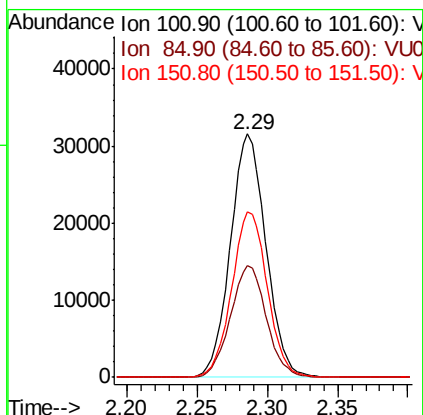
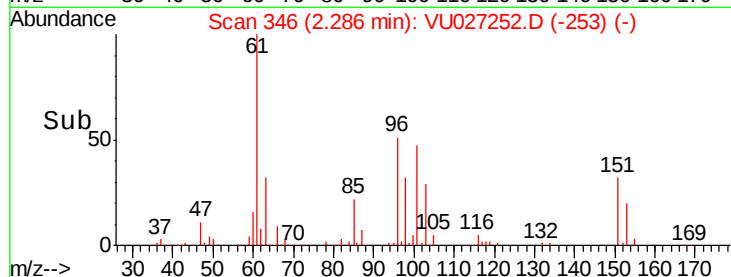
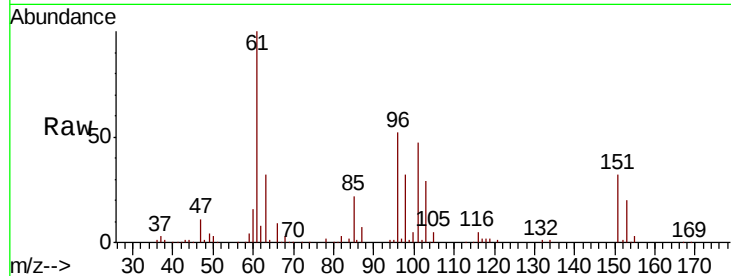
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.038 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

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

Tot Ion	Ratio	Resp	Lower	Upper
101	100	55715		
85	46.3	36.2	54.2	
151	67.9	54.5	81.7	

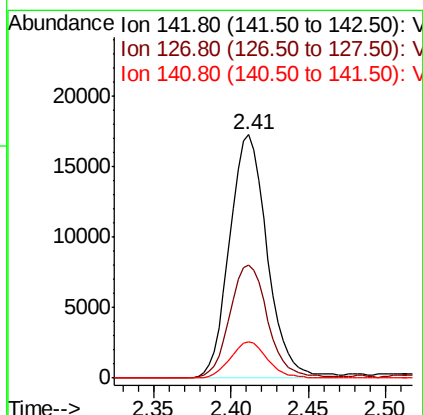
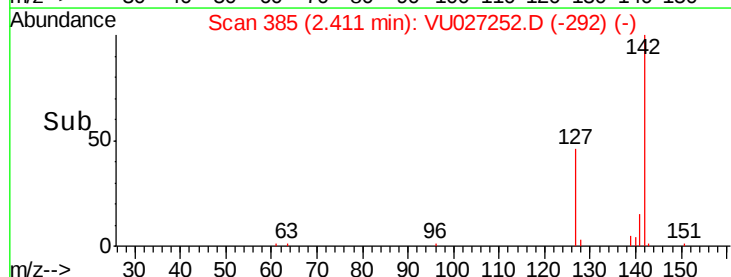
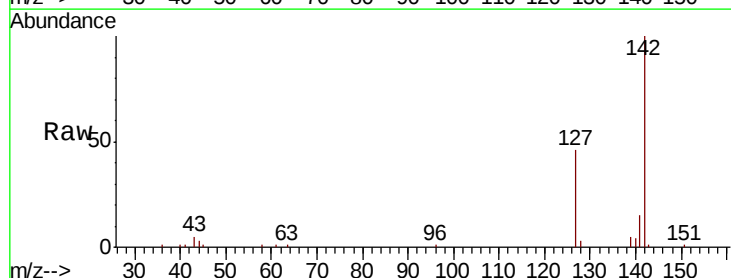
Manual Integrations
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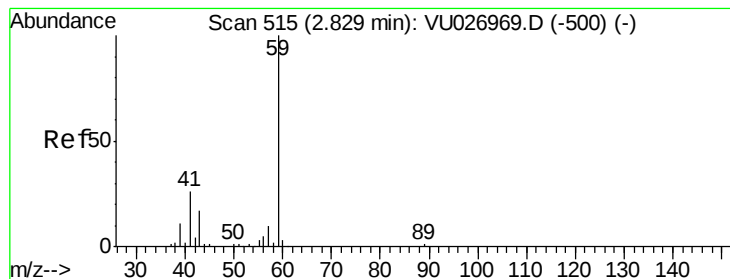
MMDadoda
 10/2/2018 1:07:17 PM



#10
 Methyl Iodide
 Concen: 20.734 ug/l
 RT: 2.41 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	29217		
127	47.1	36.7	55.1	
141	14.5	11.8	17.6	





#11

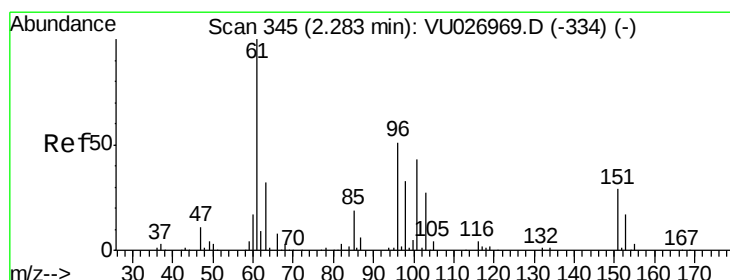
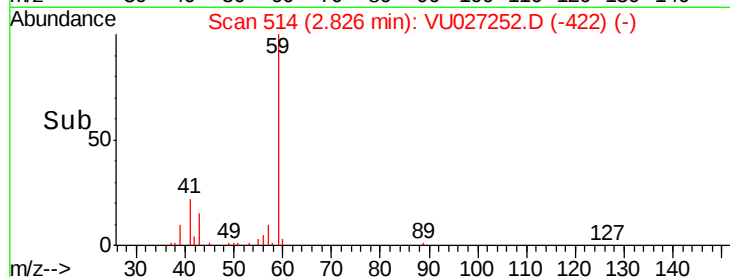
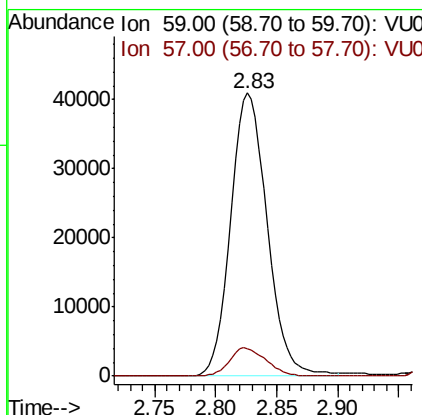
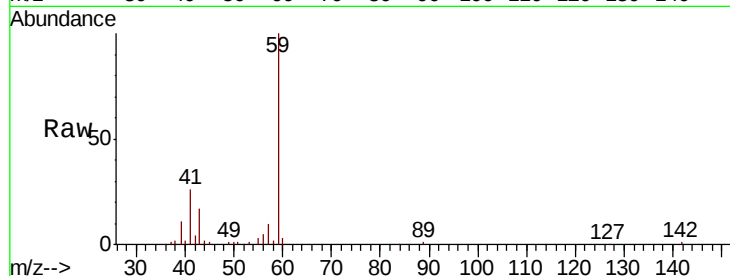
Tert butyl alcohol
 Concen: 238.759 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.5	12.7

Manual Integrations
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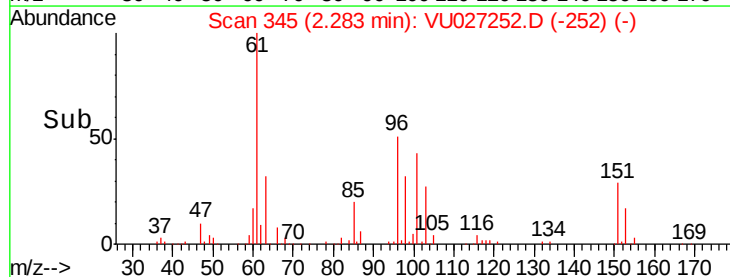
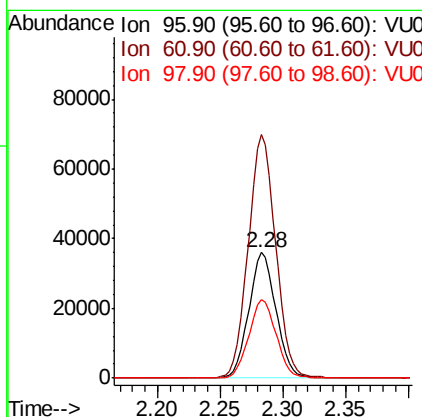
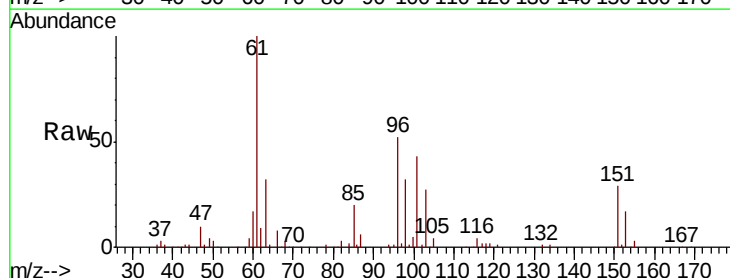
MMDadoda
 10/2/2018 1:07:17 PM

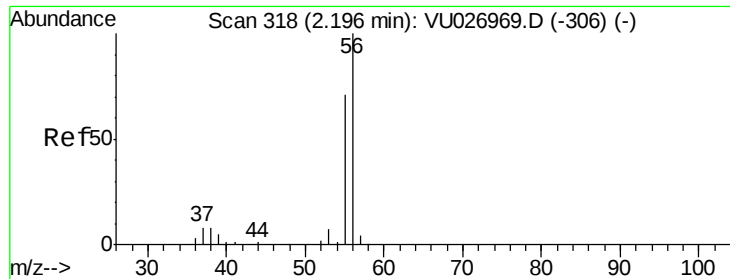


#12

1,1-Dichloroethene
 Concen: 51.046 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	193.9	156.1	234.1
98	62.3	51.4	77.0





#13

Acrolein

Concen: 145.357 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW311I-20180919MSD

Tot Ion: 56 Resp: 27988

Ion Ratio Lower Upper

56 100

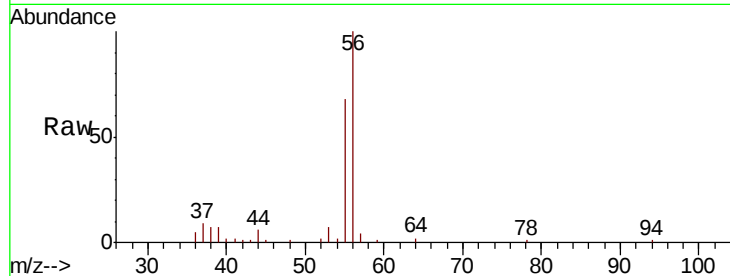
55 70.2 57.1 85.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

20000

15000

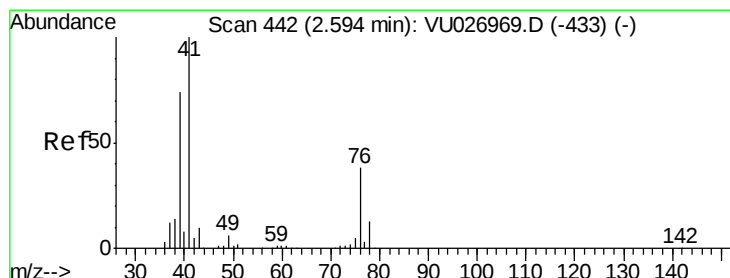
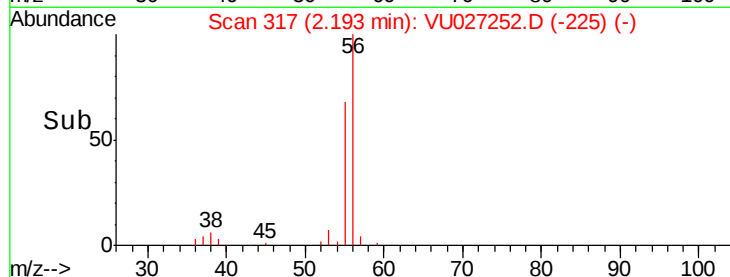
10000

5000

0

2.15 2.20 2.25 2.30

Time-->



#14

Allyl chloride

Concen: 55.765 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

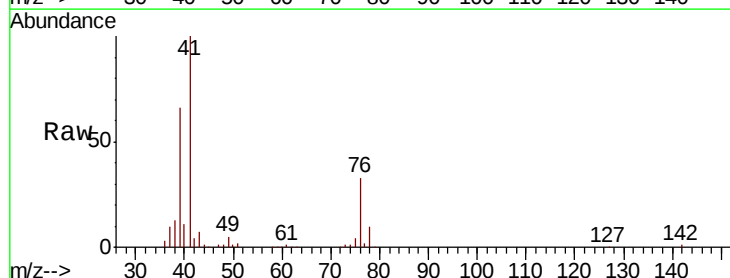
Tgt Ion: 41 Resp: 120953

Ion Ratio Lower Upper

41 100

39 64.0 55.7 83.5

76 32.6 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

80000

60000

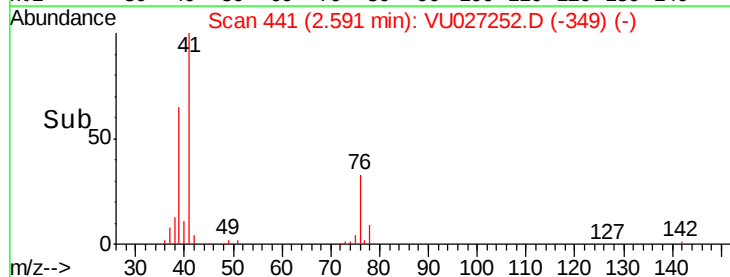
40000

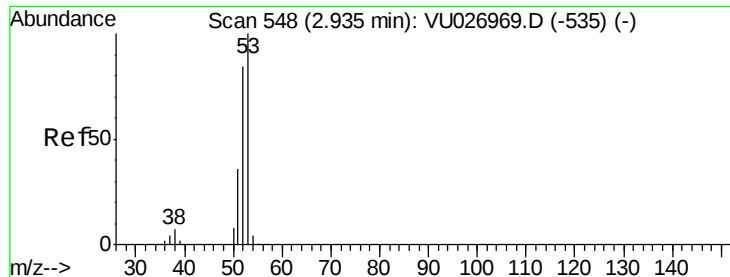
20000

0

2.55 2.60 2.65

Time-->





#15

Acrylonitrile

Concen: 270.425 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Instrument :

MSVOA_U

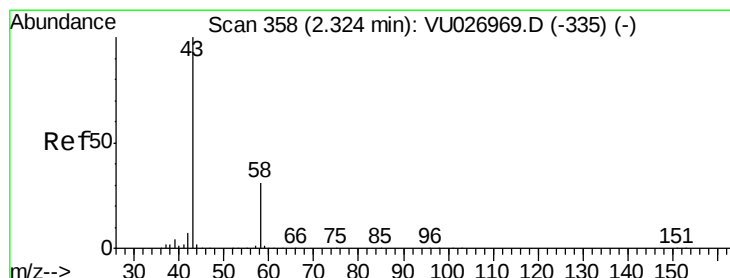
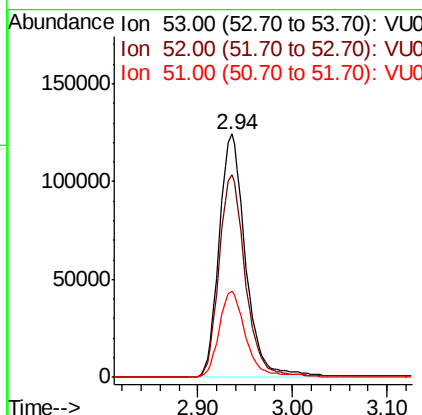
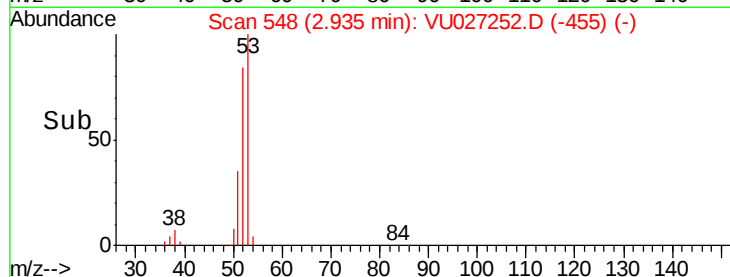
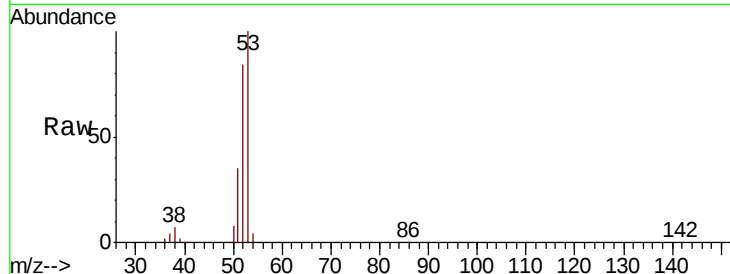
ClientSampleId :

BPSI-TT-MW311I-20180919MSD

Tot Ion:	53	Resp:	243448
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	36.2	27.4	41.2

Manual Integrations
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10/2/2018 1:07:17 PM



#16

Acetone

Concen: 258.468 ug/l

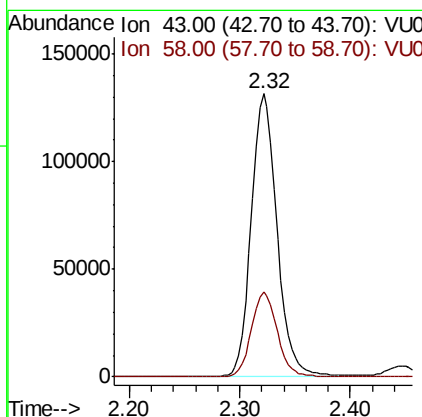
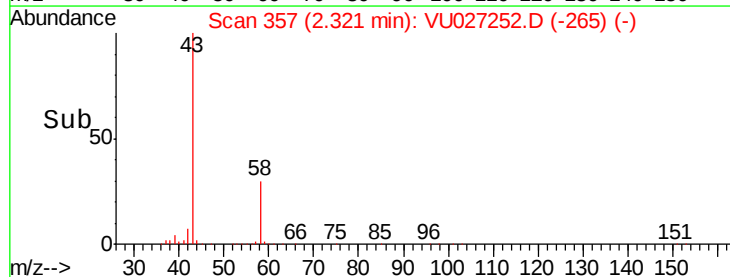
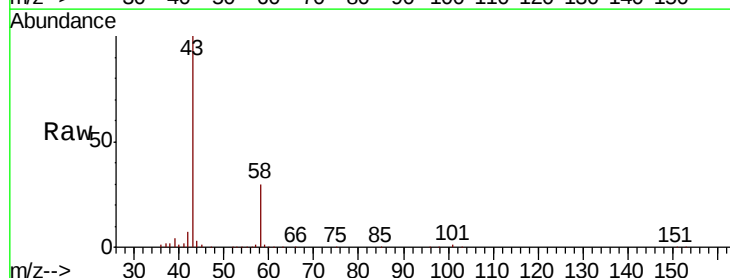
RT: 2.32 min Scan# 357

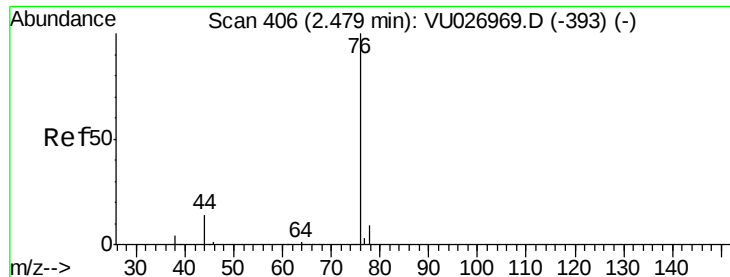
Delta R.T. -0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Tgt Ion:	43	Resp:	213489
Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.6	36.8





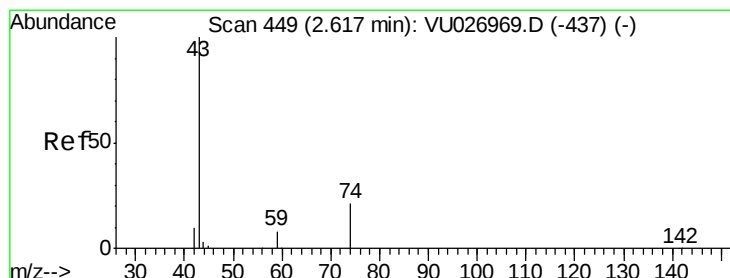
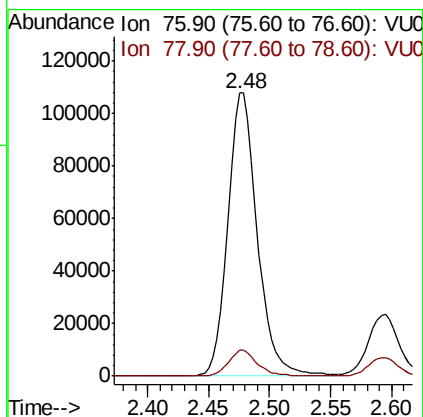
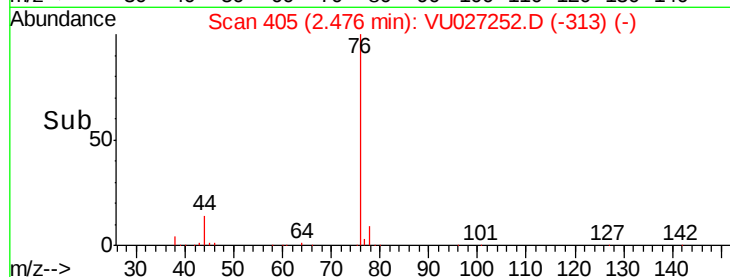
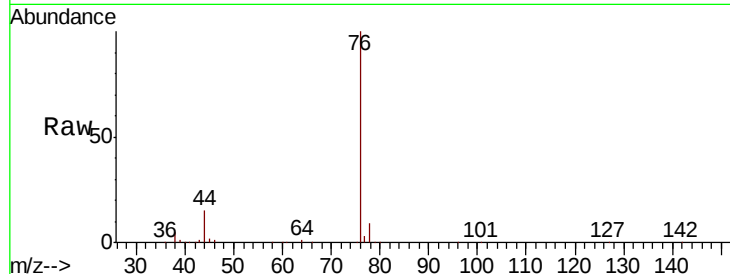
#17
Carbon Disulfide
Concen: 52.422 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

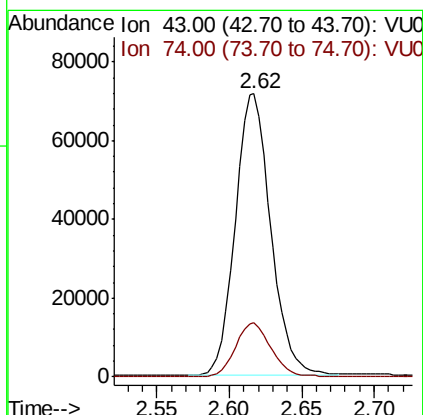
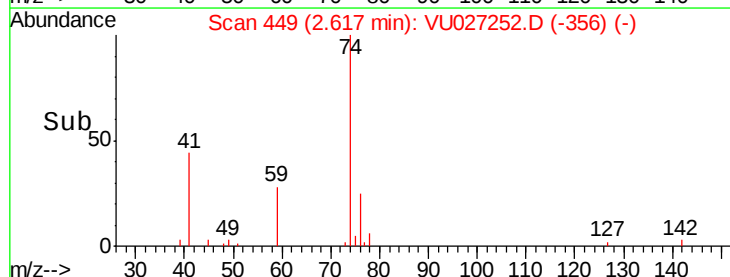
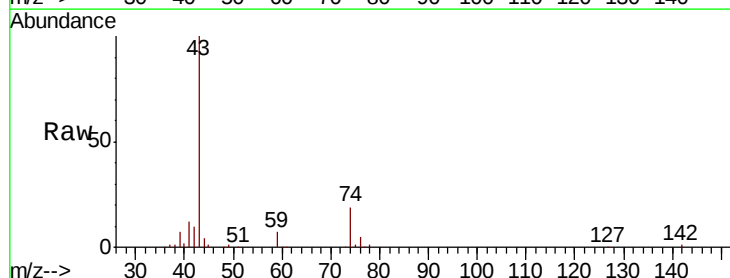
Manual Integrations
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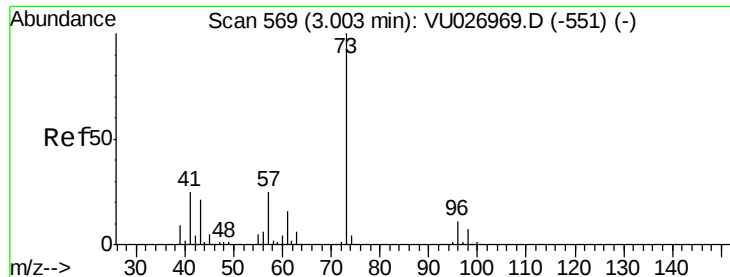
MMDadoda
10/2/2018 1:07:17 PM



#18
Methyl Acetate
Concen: 54.463 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	16.6	25.0





#19

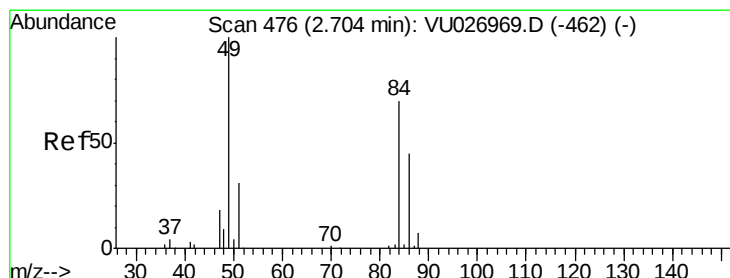
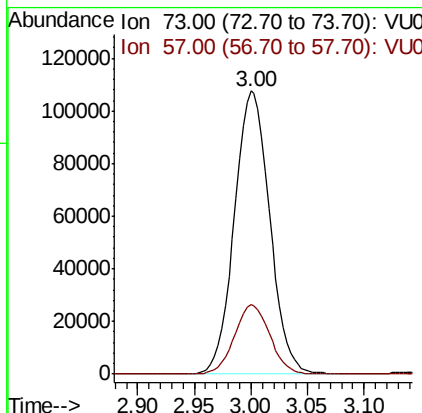
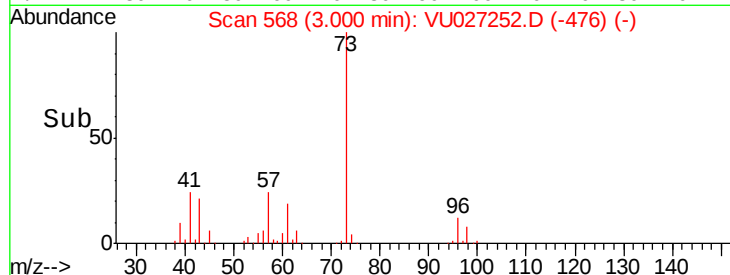
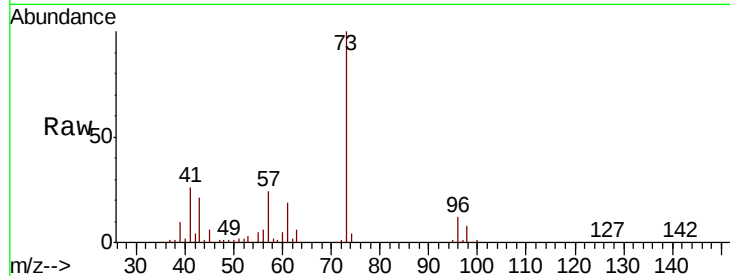
Methyl tert-butyl Ether
 Concen: 59.671 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

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

Tot Ion	73	Resp	234492
Ion Ratio	100	Lower	Upper
73	100	19.8	29.6
57	24.4		

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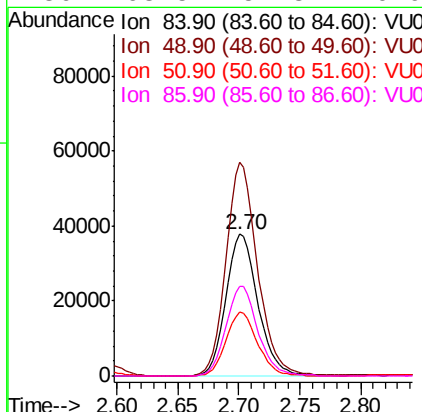
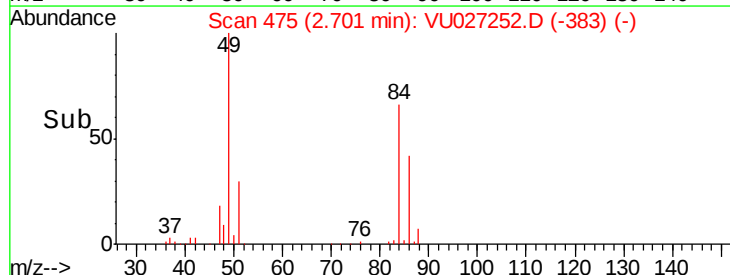
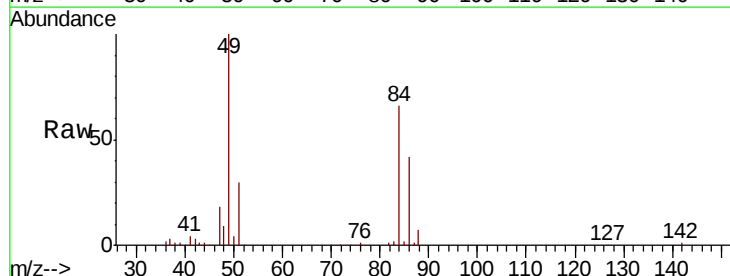
MMDadoda
 10/2/2018 1:07:17 PM

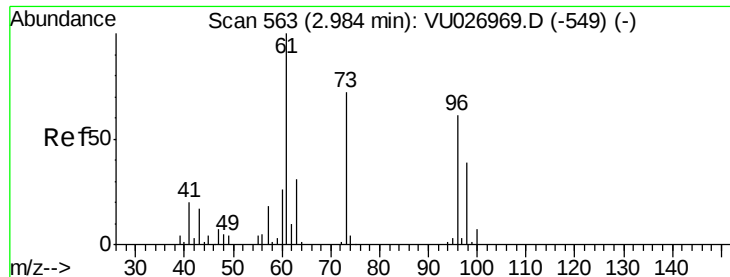


#20

Methylene Chloride
 Concen: 49.983 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. -0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

Tgt Ion	84	Resp	69757
Ion Ratio	100	Lower	Upper
84	100	114.9	172.3
49	150.9	35.8	53.8
51	44.8	51.3	76.9
86	63.5		





#21

trans-1,2-Dichloroethene

Concen: 53.605 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Instrument :

MSVOA_U

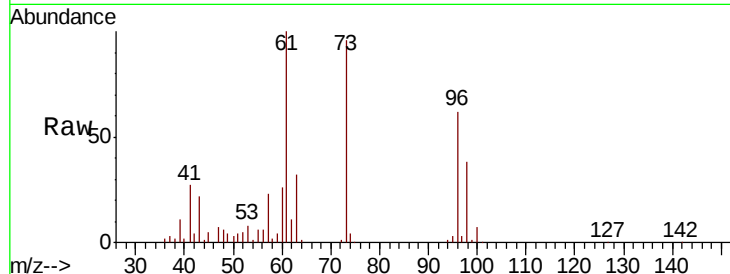
ClientSampleId :

BPSI-TT-MW311I-20180919MSD

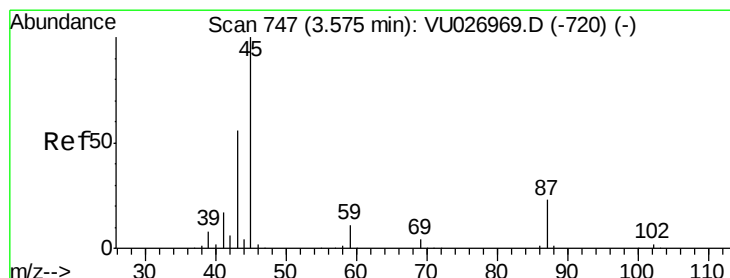
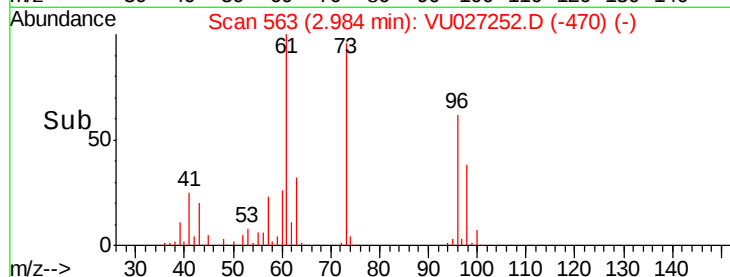
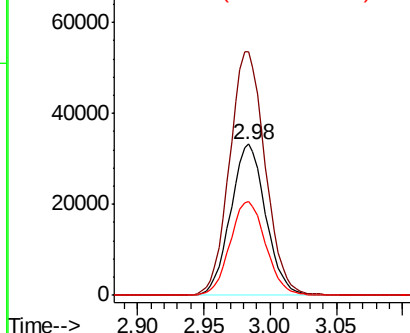
Tot Ion:	96	Resp:	61203
Ion	Ratio	Lower	Upper
96	100		
61	160.7	131.8	197.6
98	61.7	50.9	76.3

Manual Integrations
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10/2/2018 1:07:17 PM



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



#22

Diisopropyl ether

Concen: 58.009 ug/l

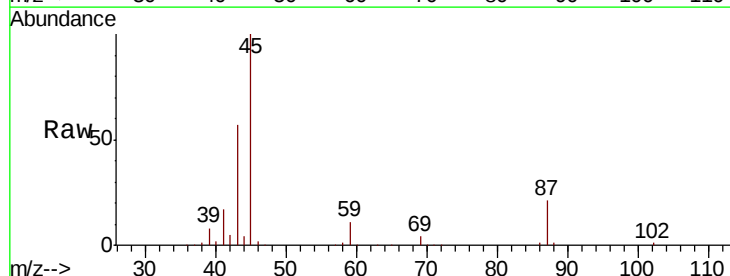
RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

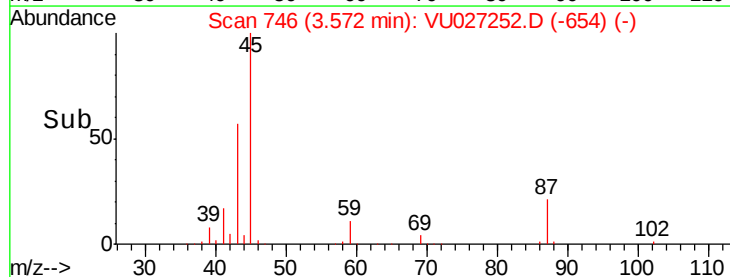
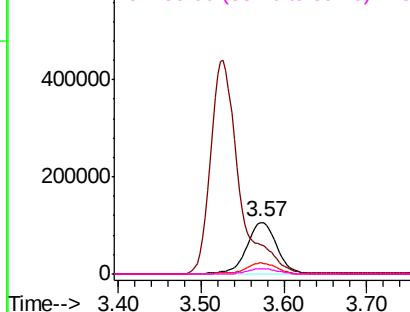
Lab File: VU027252.D

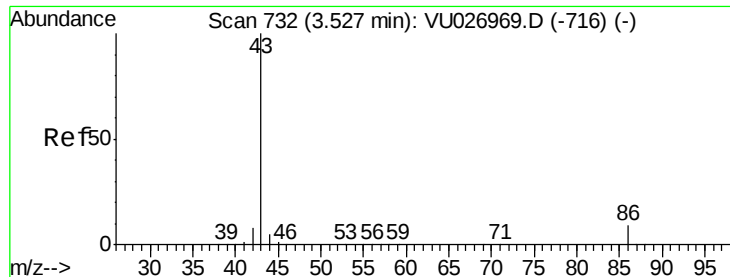
Acq: 28 Sep 2018 02:25

Tgt Ion:	45	Resp:	269114
Ion	Ratio	Lower	Upper
45	100		
43	55.5	45.8	68.6
87	21.2	18.6	28.0
59	10.6	9.0	13.4



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 267.708 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Tot Ion: 43 Resp: 1058670

Ion Ratio Lower Upper

43 100

86 8.8 7.2 10.8

Instrument :

MSVOA_U

ClientSampleId :

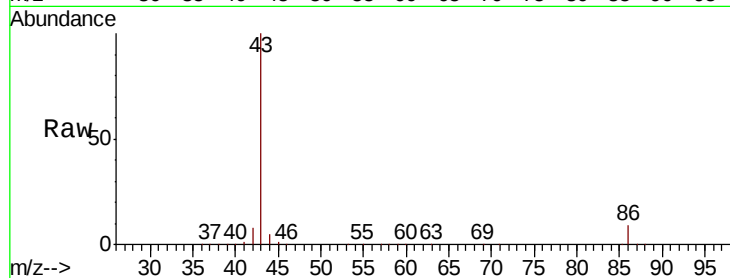
BPSI-TT-MW311I-20180919MSD

Manual Integrations

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MMDadoda

10/2/2018 1:07:17 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

400000

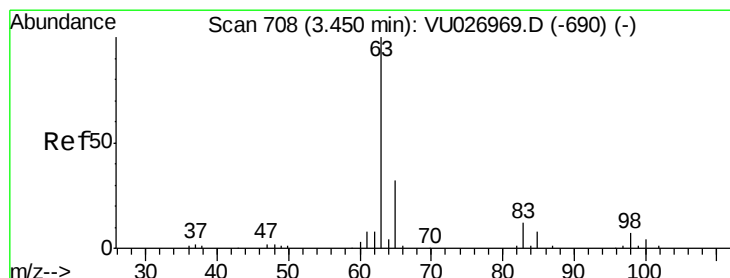
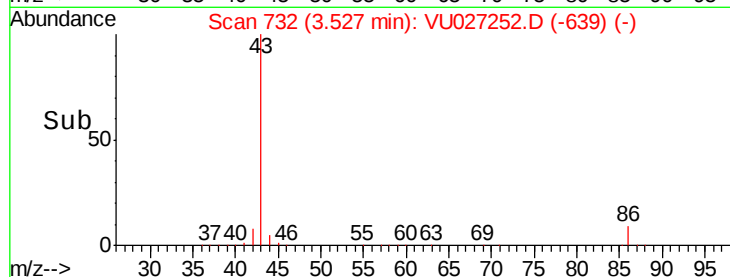
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.715 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

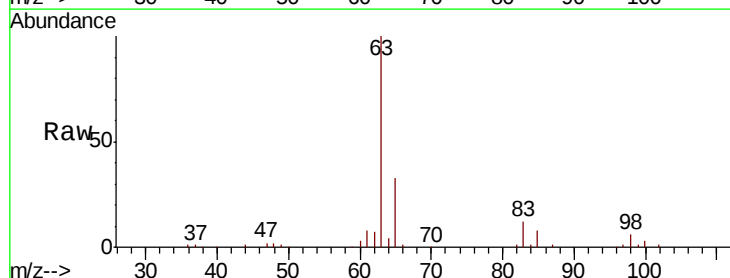
Tgt Ion: 63 Resp: 137248

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 3.5 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

80000

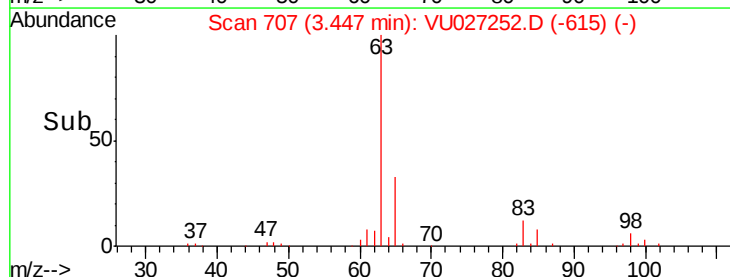
60000

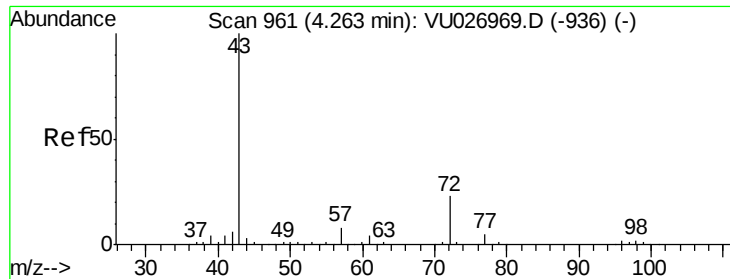
40000

20000

0

Time-->





#25

2-Butanone

Concen: 265.785 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW311I-20180919MSD

Tot Ion: 43 Resp: 348076

Ion Ratio Lower Upper

43 100

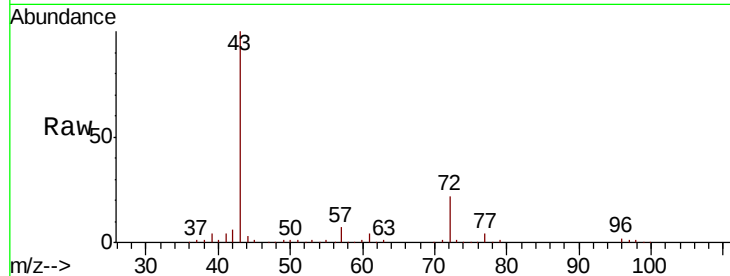
72 22.3 18.4 27.6

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

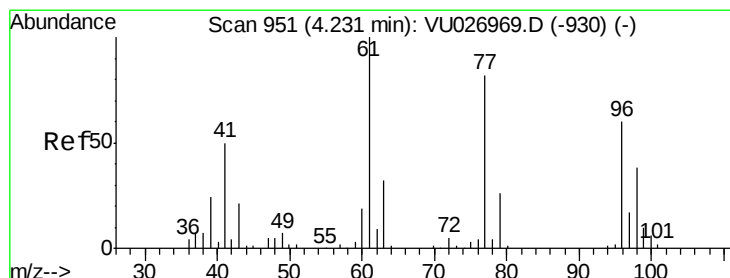
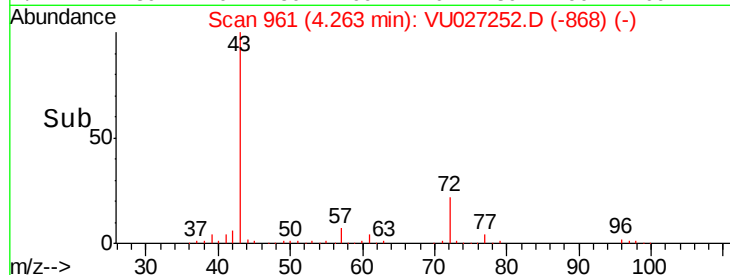
100000

50000

0

4.10 4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 41.636 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027252.D

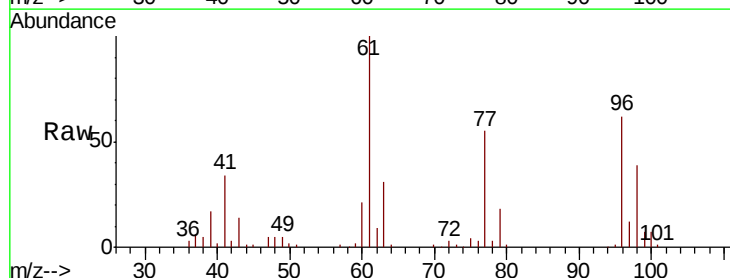
Acq: 28 Sep 2018 02:25

Tgt Ion: 77 Resp: 82967

Ion Ratio Lower Upper

77 100

97 21.6 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

30000

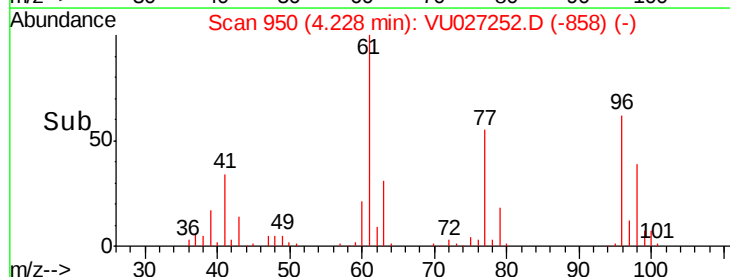
20000

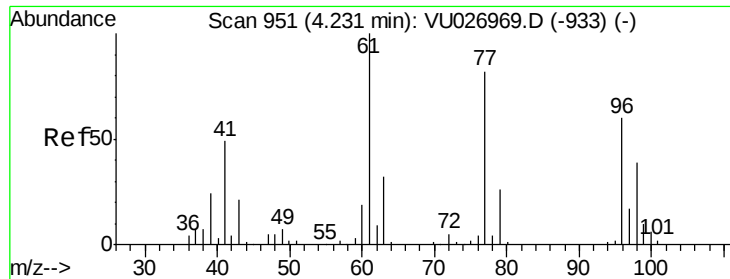
10000

0

4.10 4.20 4.30

Time-->





#27

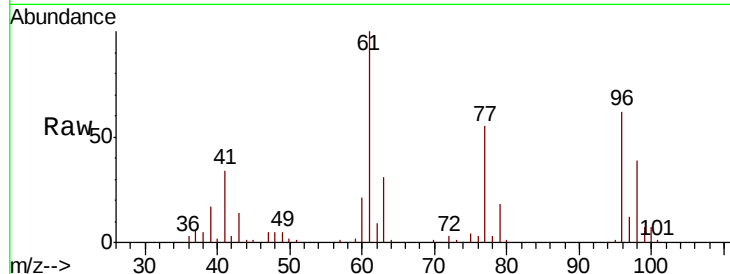
cis-1,2-Dichloroethene
Concen: 63.340 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

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

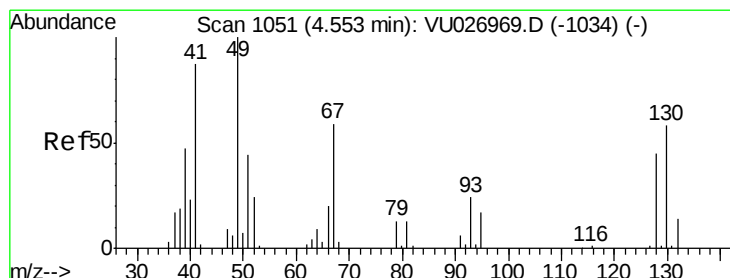
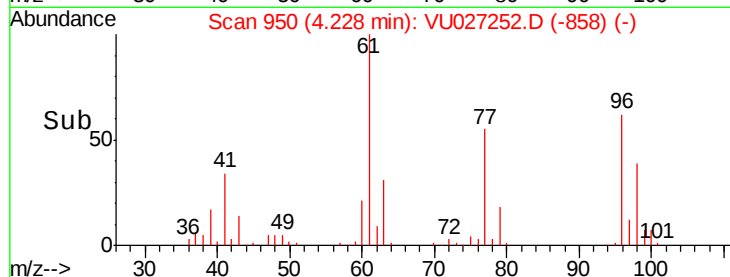
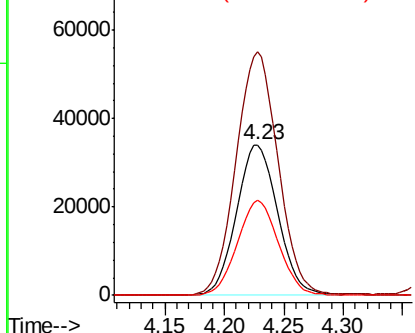
Tot Ion	Ratio	Lower	Upper
96	100		
61	165.0	0.0	337.2
98	63.1	0.0	127.6

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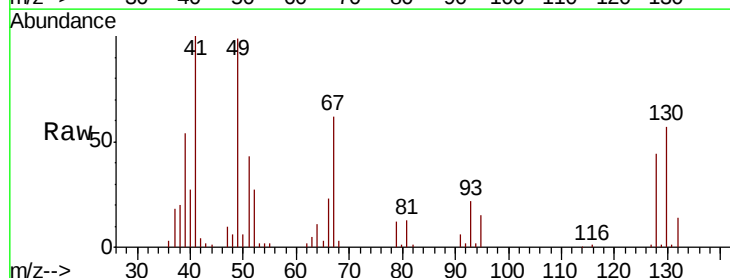
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



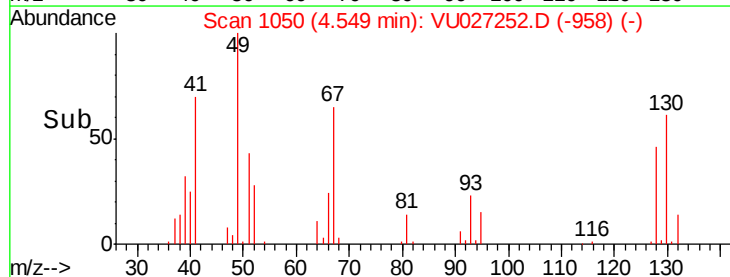
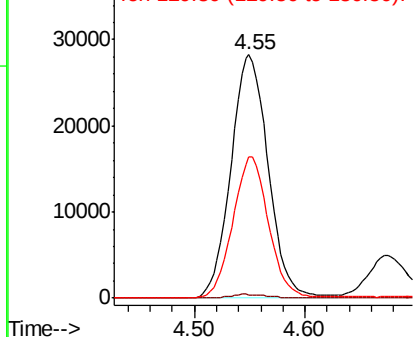
#28

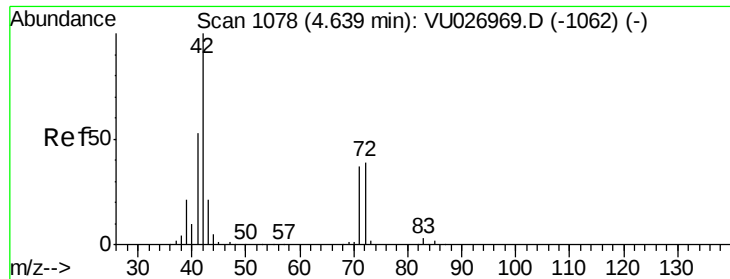
Bromochloromethane
Concen: 53.810 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	55.8	47.8	71.8



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





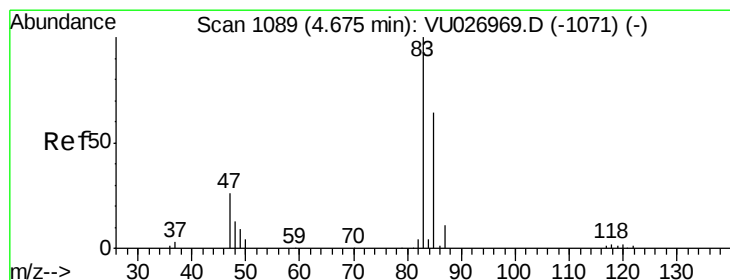
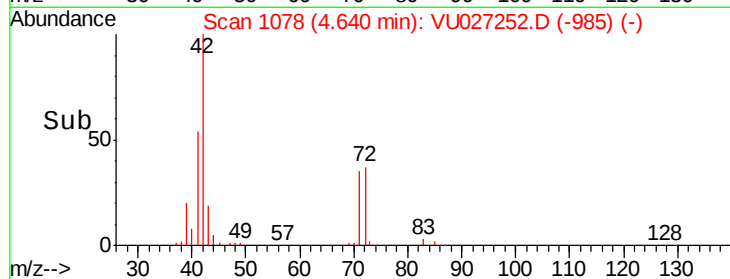
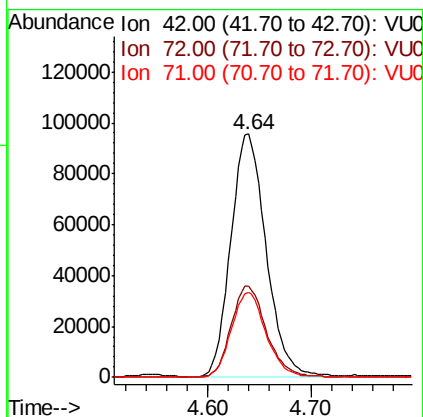
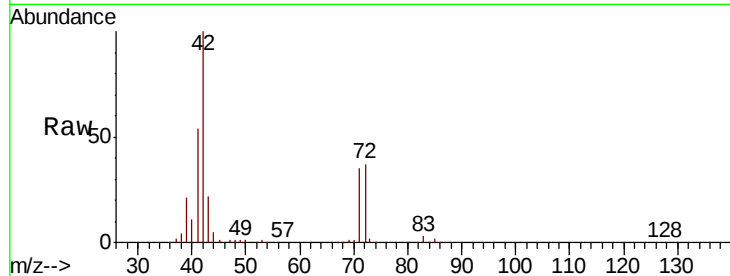
#29
Tetrahydrofuran
Concen: 287.485 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	31.7	47.5
71	34.5	29.6	44.4

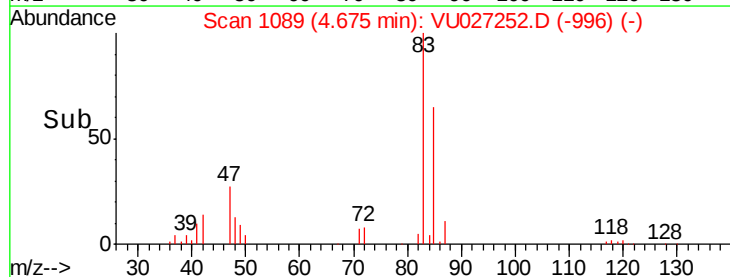
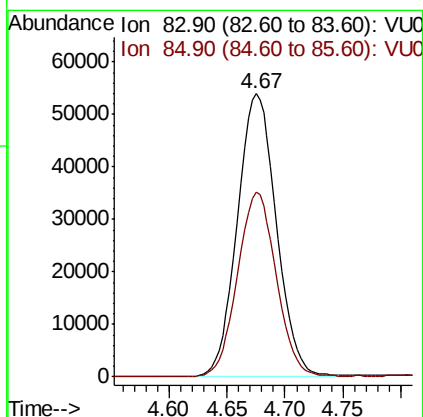
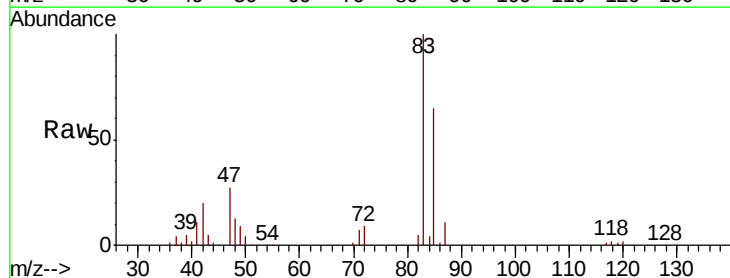
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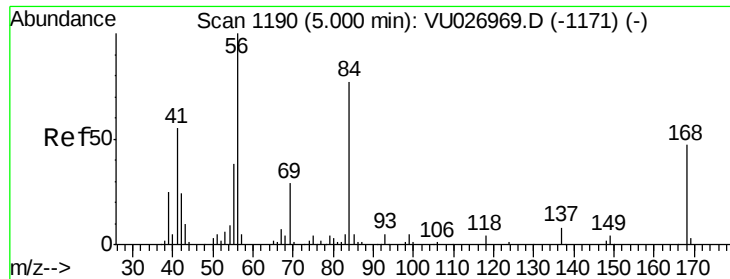
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#30
Chloroform
Concen: 53.443 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.5	77.3





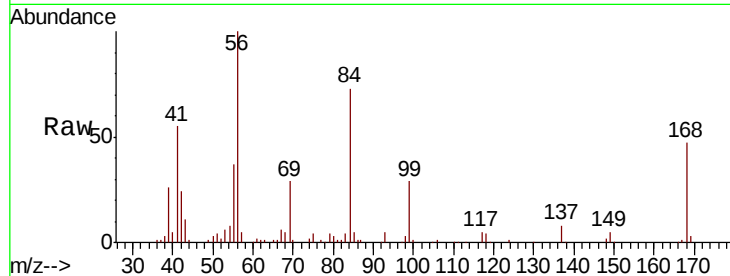
#31
Cyclohexane
Concen: 54.932 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.0	34.4
84	72.3	61.4	92.2

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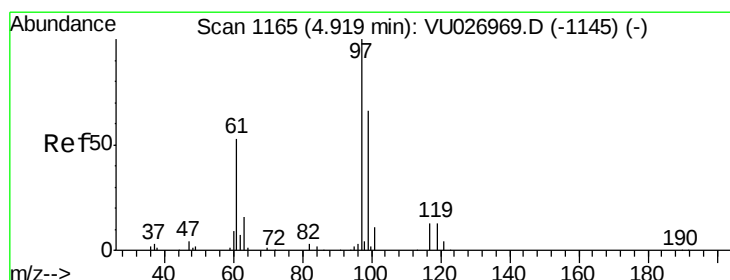
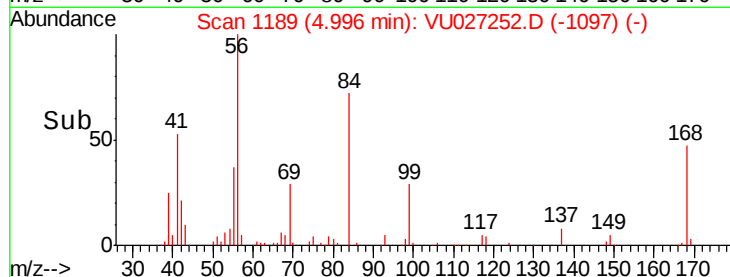
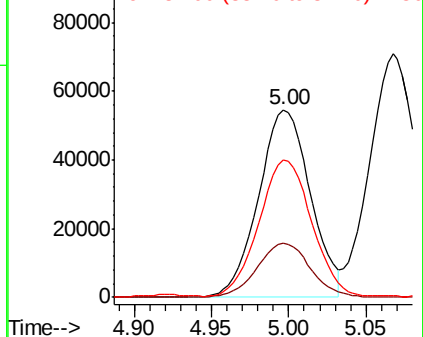


Abundance

Ion 56.00 (55.70 to 56.70): VU026969.D (-1171) (-)

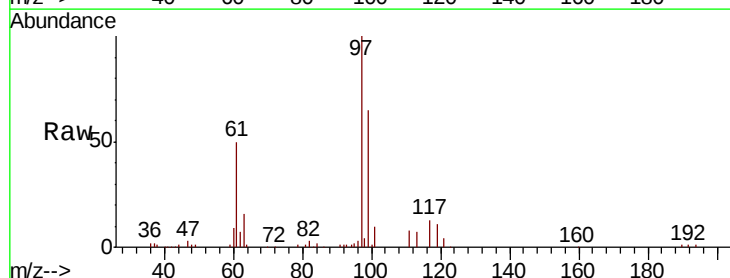
Ion 69.00 (68.70 to 69.70): VU026969.D (-1171) (-)

Ion 84.00 (83.70 to 84.70): VU026969.D (-1171) (-)



#32
1,1,1-Trichloroethane
Concen: 54.282 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.8	77.6
61	50.6	41.1	61.7

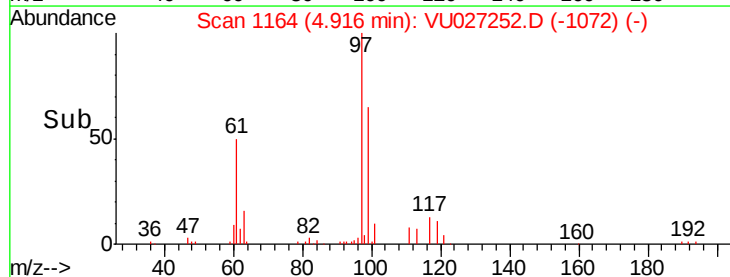
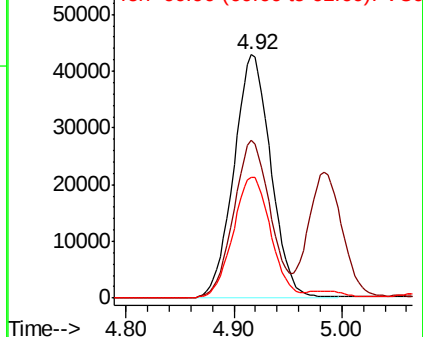


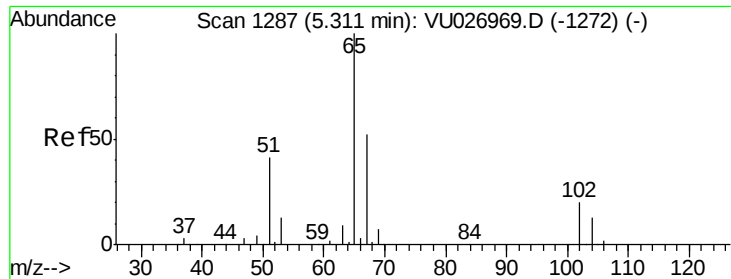
Abundance

Ion 96.90 (96.60 to 97.60): VU026969.D (-1145) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1145) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-1145) (-)





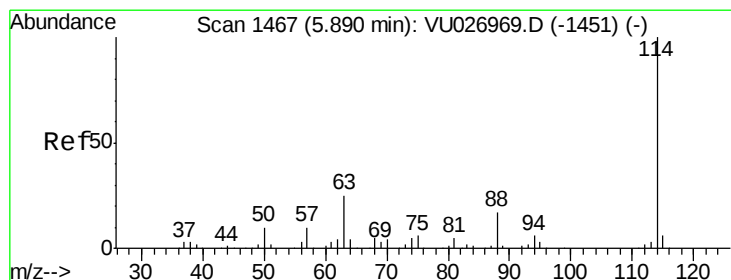
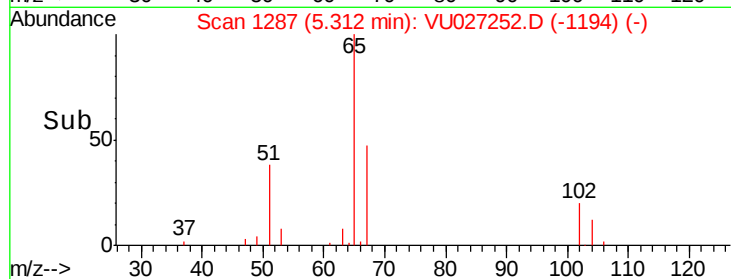
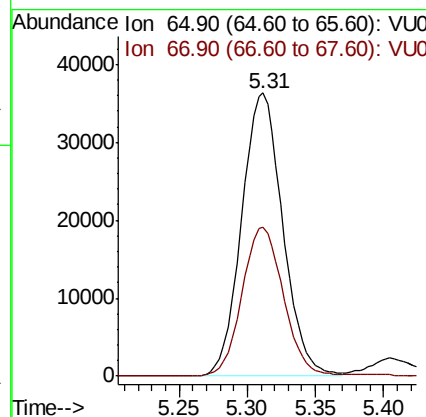
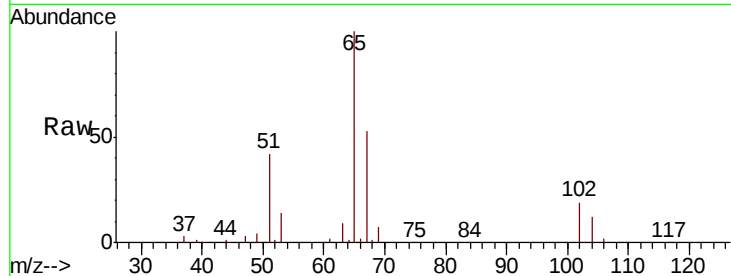
#33
 1,2-Dichloroethane-d4
 Concen: 48.735 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

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

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	105.6

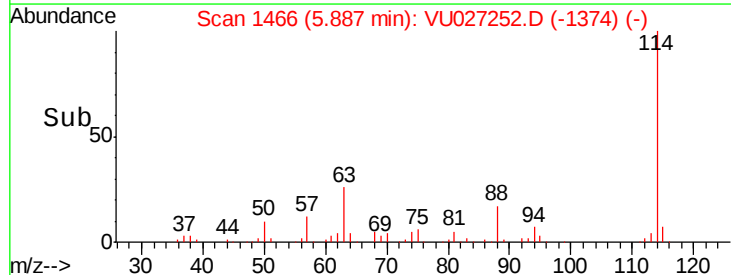
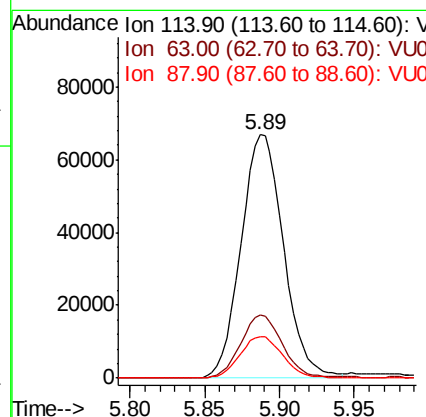
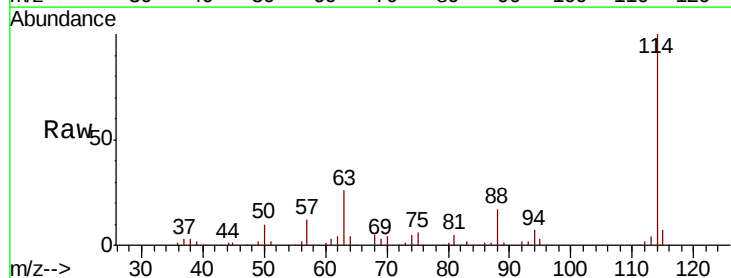
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.9	0.0	49.2
88	17.1	0.0	33.8





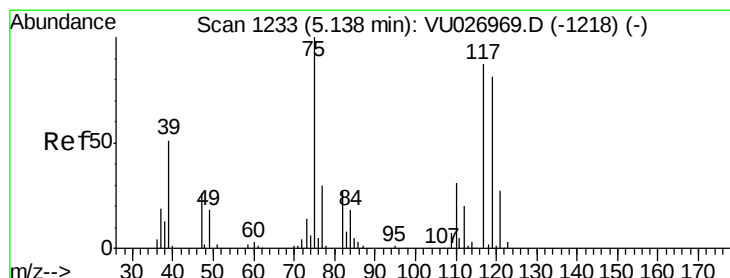
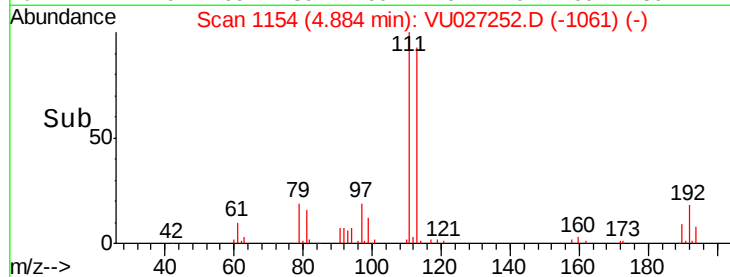
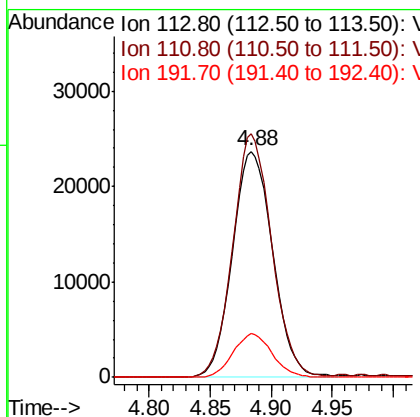
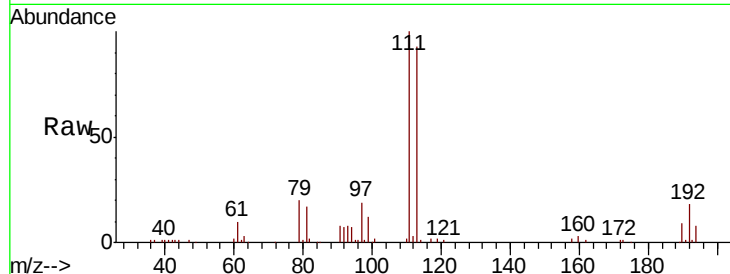
#35
 Dibromofluoromethane
 Concen: 47.228 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

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

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.2	123.4
192	18.5	15.2	22.8

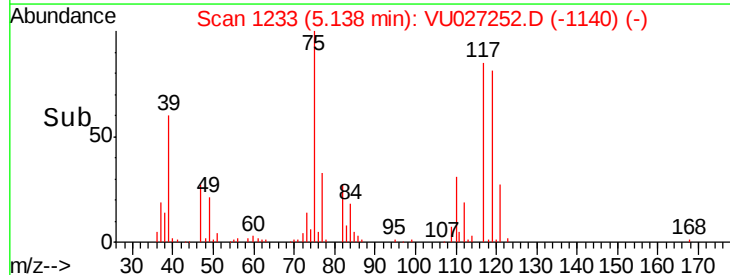
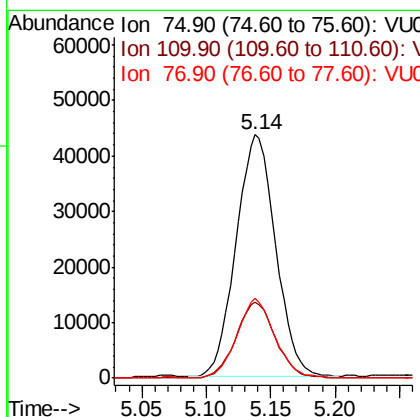
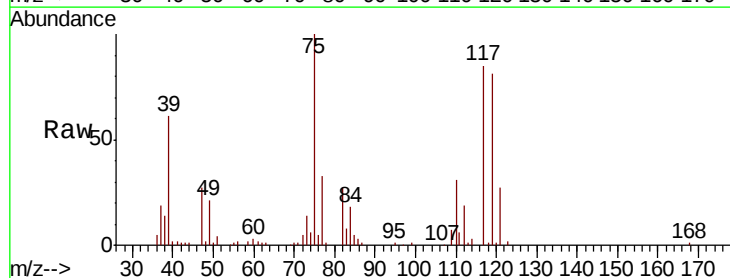
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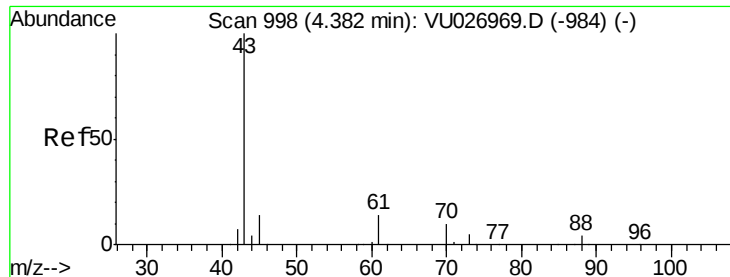
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#36
 1,1-Dichloropropene
 Concen: 52.490 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.2	16.1	48.2
77	31.7	24.6	36.8





#37

Ethyl Acetate

Concen: 50.350 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Instrument :

MSVOA_U

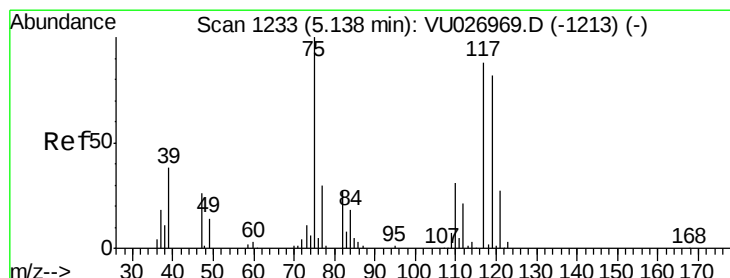
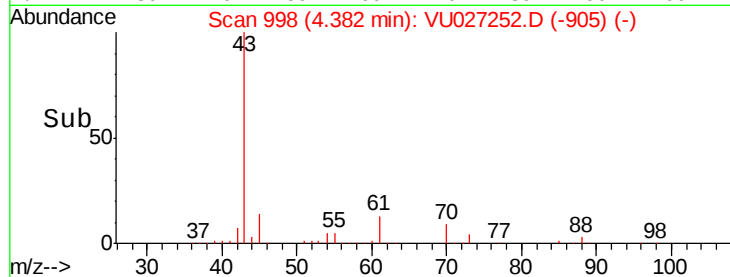
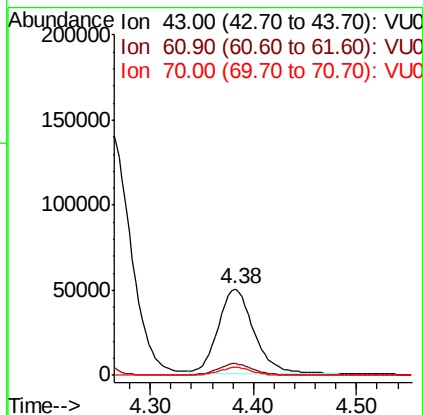
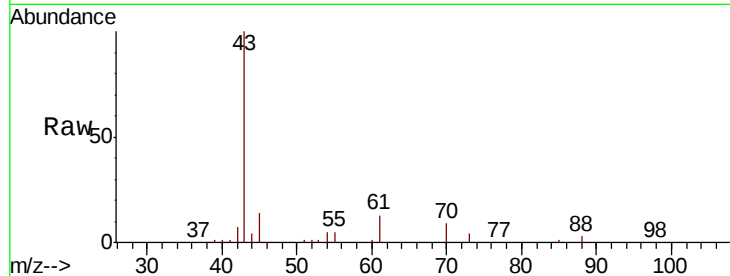
ClientSampleId :

BPSI-TT-MW311I-20180919MSD

Tot Ion:	43	Resp:	120647
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.5	15.7
70	8.8	7.4	11.0

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#38

Carbon Tetrachloride

Concen: 51.522 ug/l

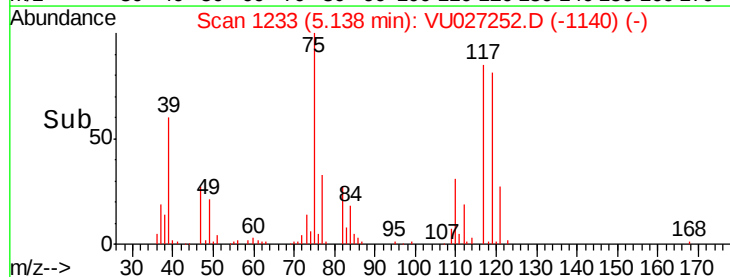
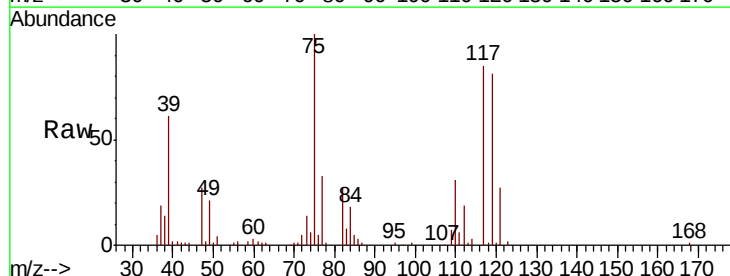
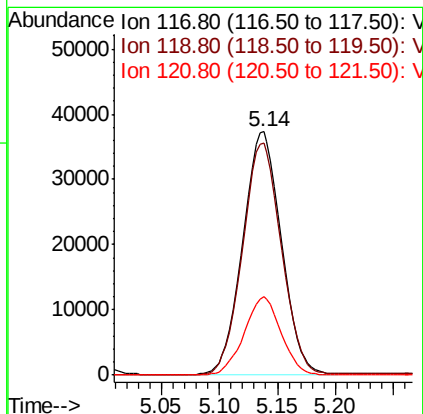
RT: 5.14 min Scan# 1233

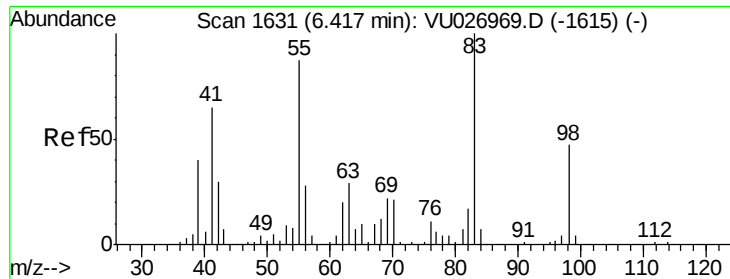
Delta R.T. 0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Tgt Ion:	117	Resp:	86785
Ion	Ratio	Lower	Upper
117	100		
119	95.1	74.4	111.6
121	32.1	24.2	36.4





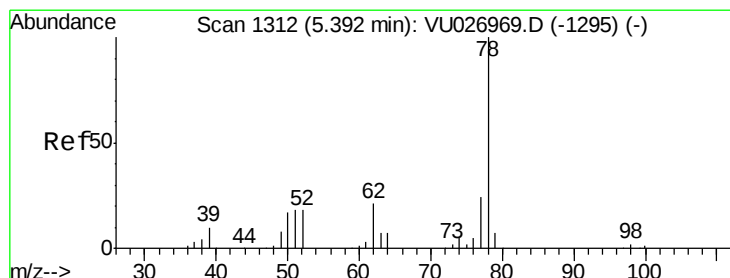
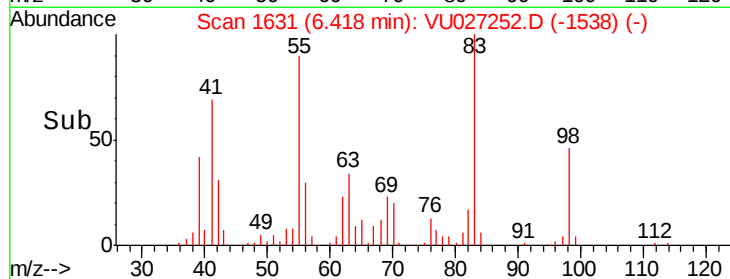
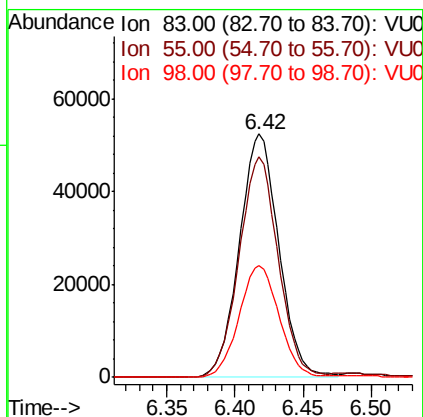
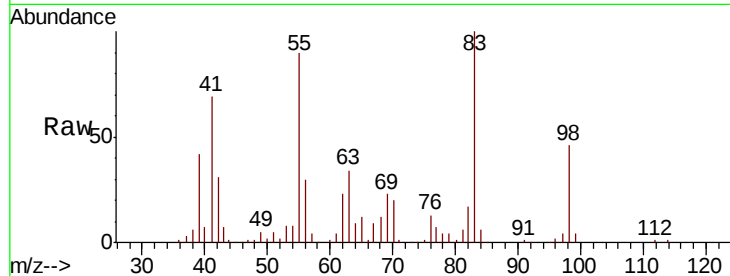
#39
Methylvlcvclohexane
Concen: 54.811 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.4	69.9	104.9
98	45.9	37.5	56.3

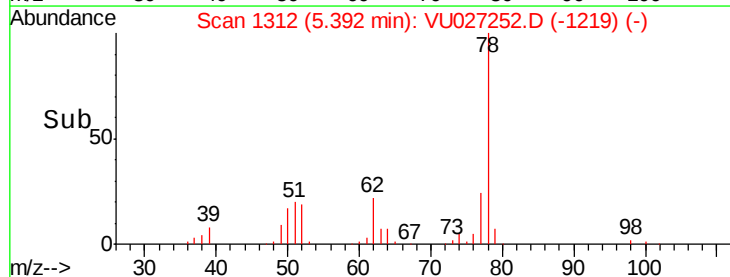
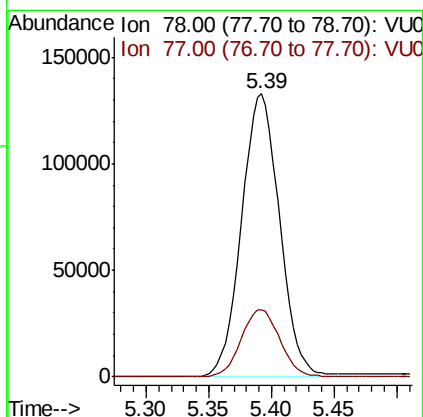
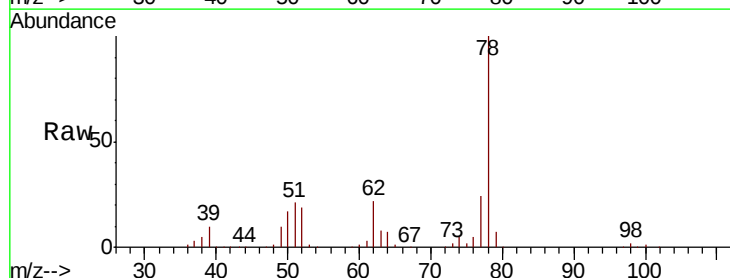
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#40
Benzene
Concen: 52.173 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0





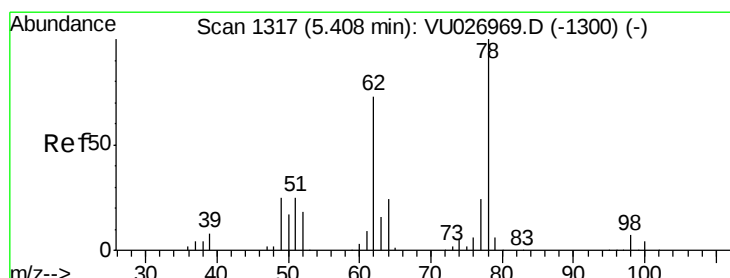
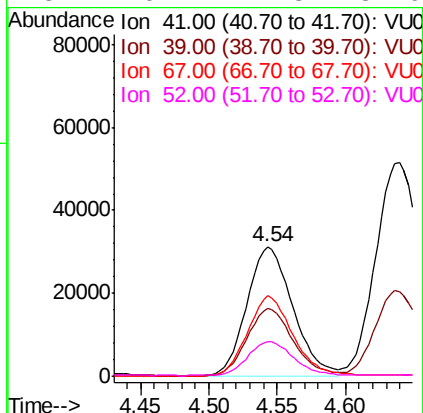
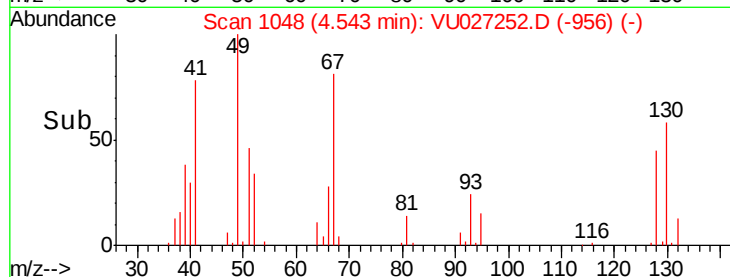
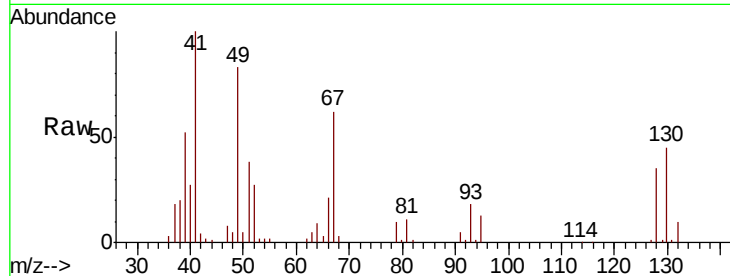
#41
Methacrylonitrile
Concen: 58.921 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

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

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	42.9	64.3	
67	61.0	52.4	78.6	
52	26.2	21.3	31.9	

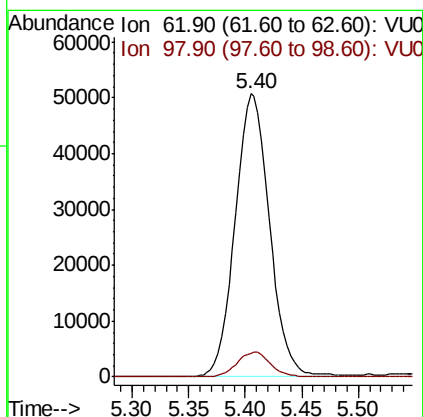
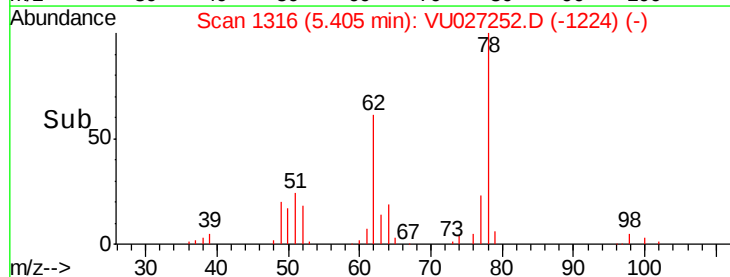
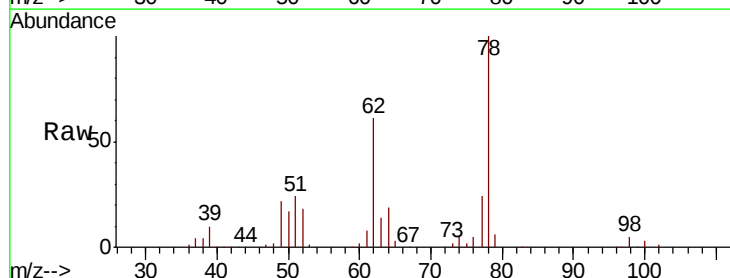
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#42
1,2-Dichloroethane
Concen: 52.974 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

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





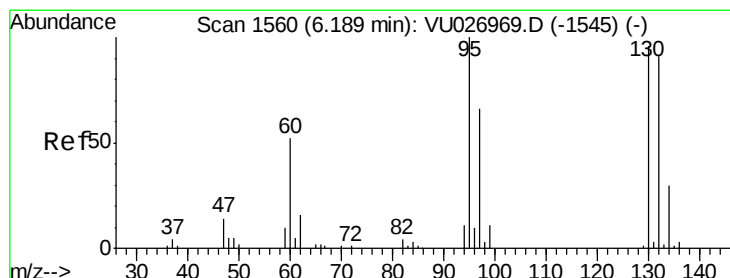
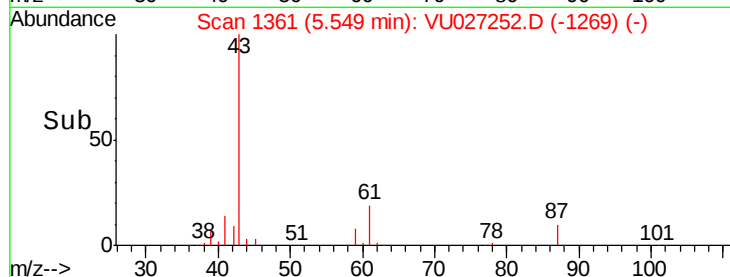
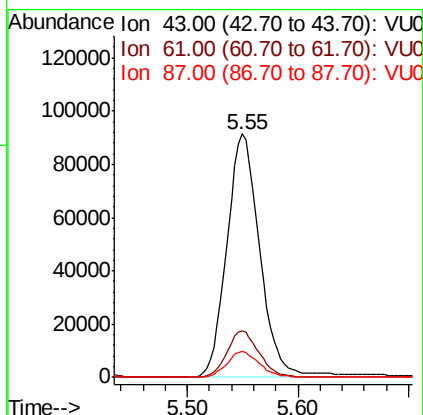
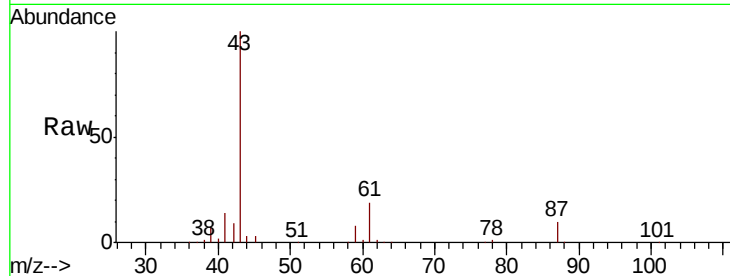
#43
Isopropyl Acetate
Concen: 54.007 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

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

Tot Ion:	43	Resp:	188729
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.7	23.5
87	10.5	9.0	13.4

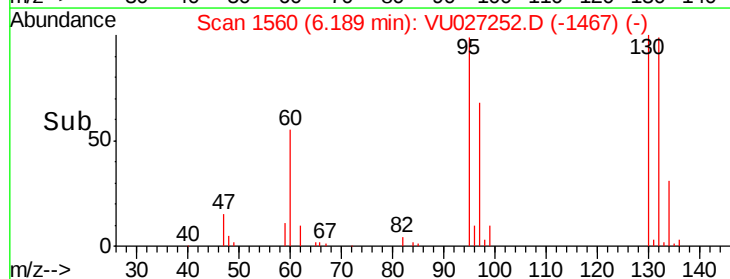
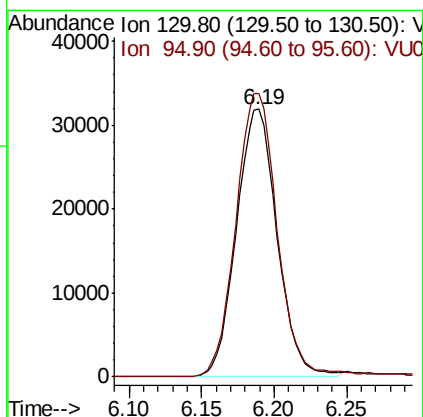
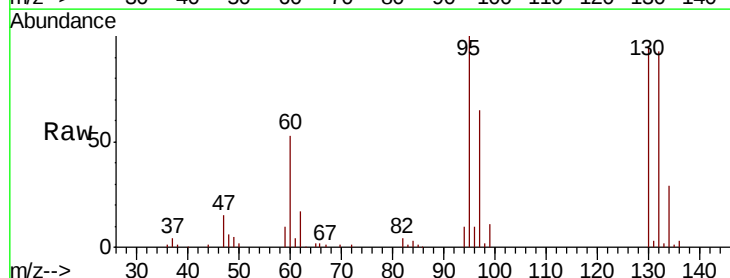
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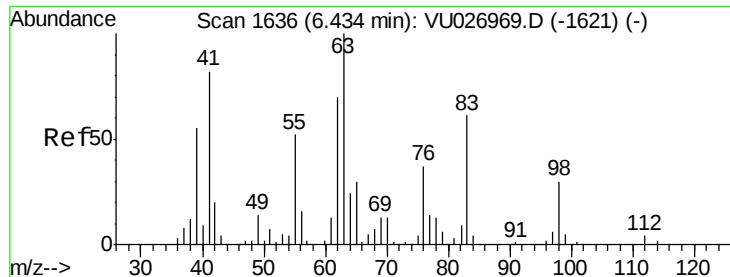
MMDadoda
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#44
Trichloroethene
Concen: 54.364 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

Tgt Ion:	130	Resp:	62276
Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	208.8





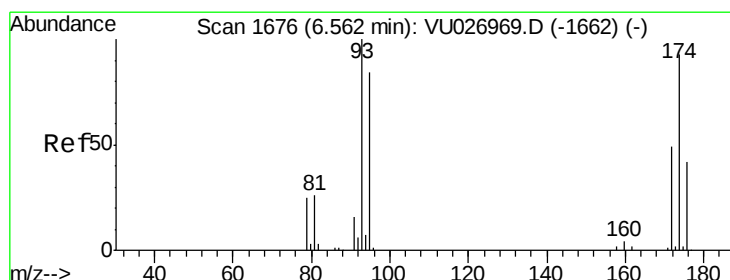
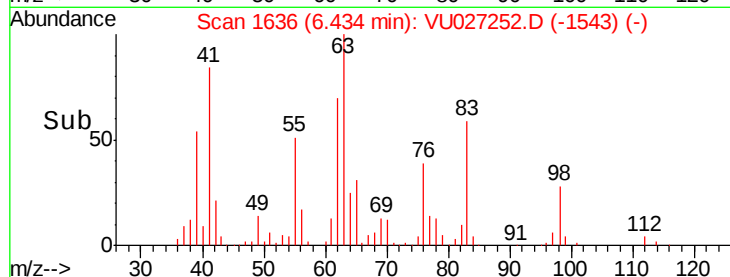
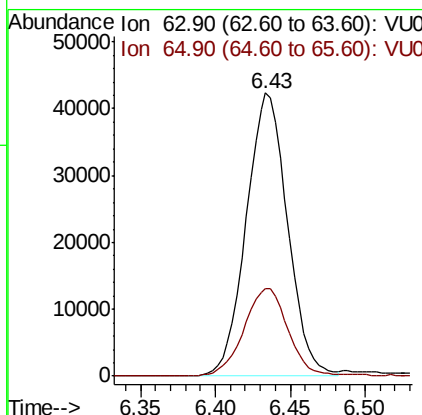
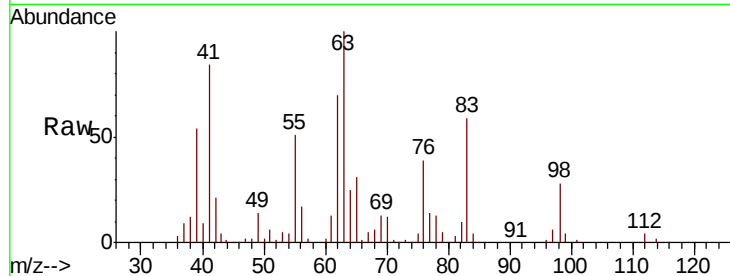
#45
 1,2-Dichloropropane
 Concen: 53.121 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

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

Tot Ion: 63 Resp: 81446
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.3 36.5

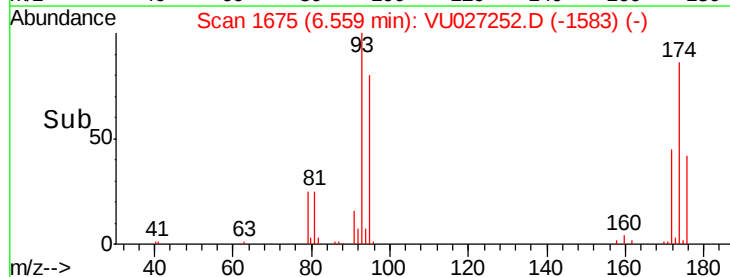
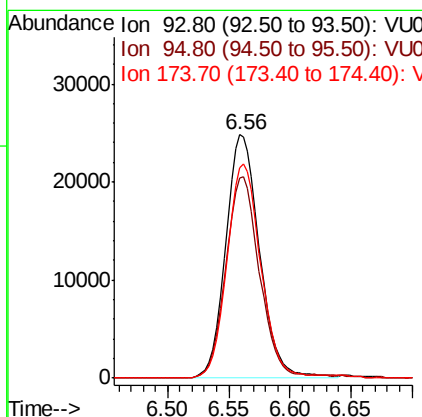
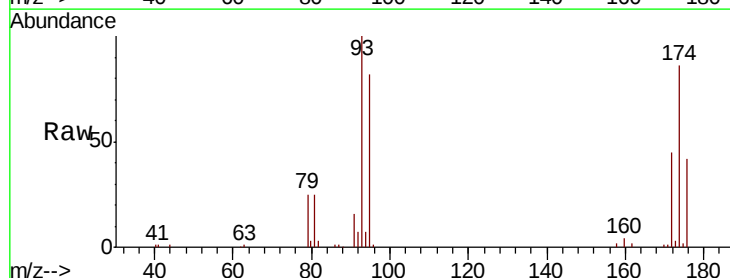
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#46
 Dibromomethane
 Concen: 51.943 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

Tgt Ion: 93 Resp: 48098
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.2 99.4
 174 88.1 71.7 107.5





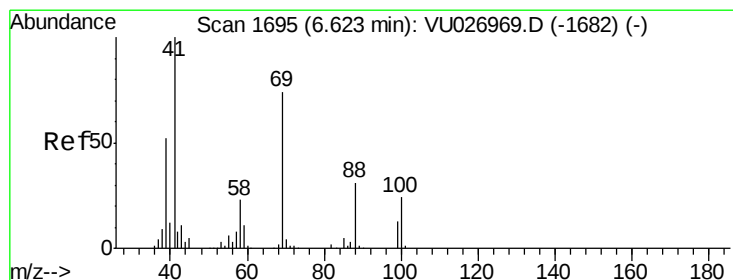
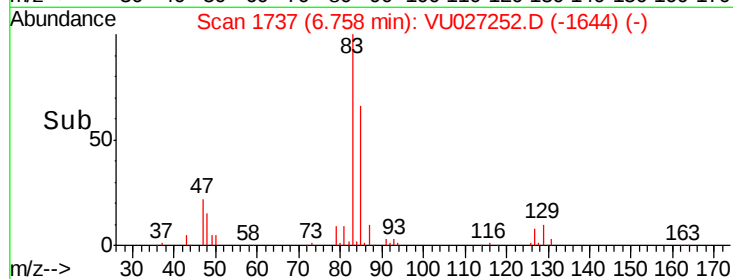
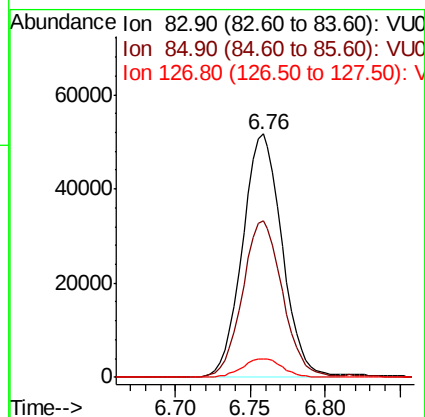
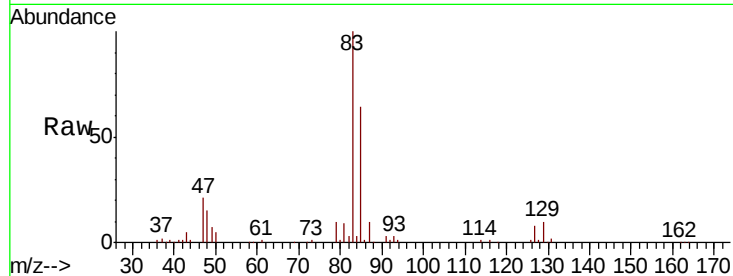
#47
Bromodichloromethane
Concen: 50.935 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

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

Tot Ion:	83	Resp:	95370
Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.5	78.7
127	7.8	6.3	9.5

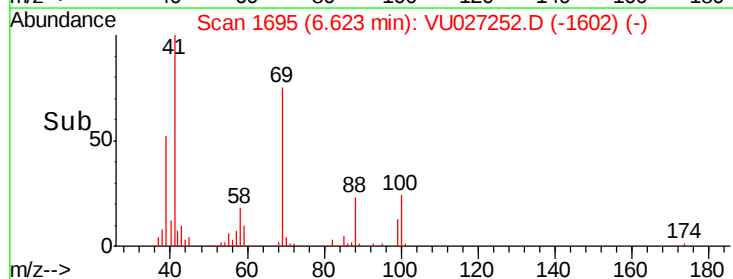
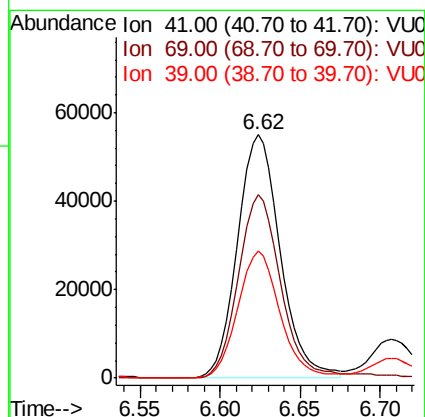
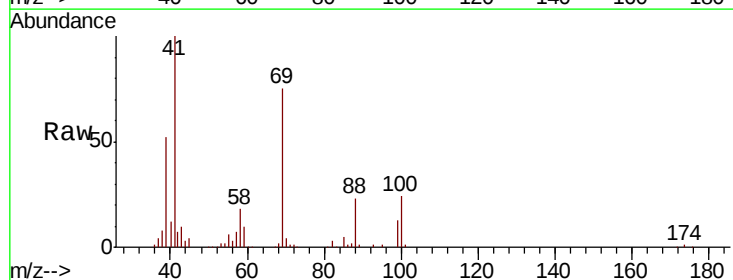
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#48
Methyl methacrylate
Concen: 52.973 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

Tgt Ion:	41	Resp:	100872
Ion	Ratio	Lower	Upper
41	100		
69	74.2	60.6	90.8
39	51.6	42.8	64.2





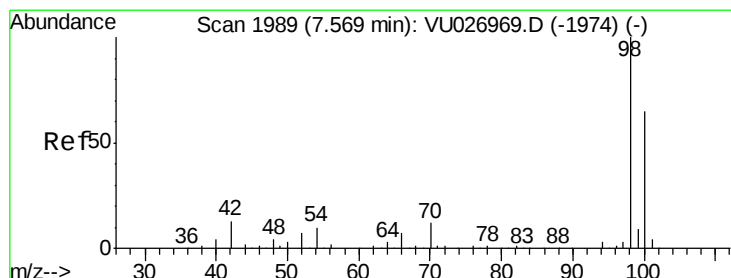
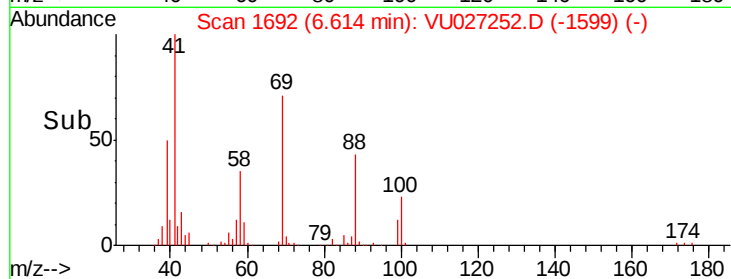
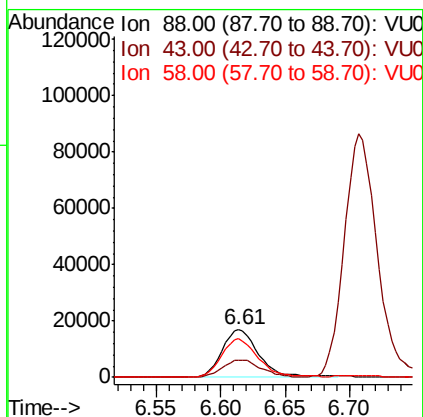
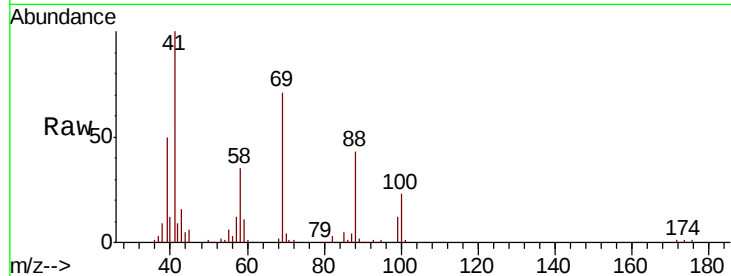
#49
1,4-Dioxane
Concen: 889.042 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.6	29.8	44.8
58	80.9	63.9	95.9

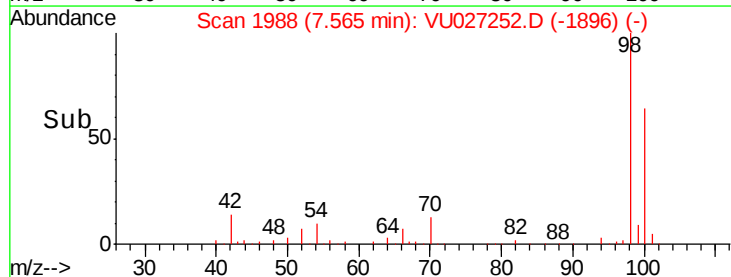
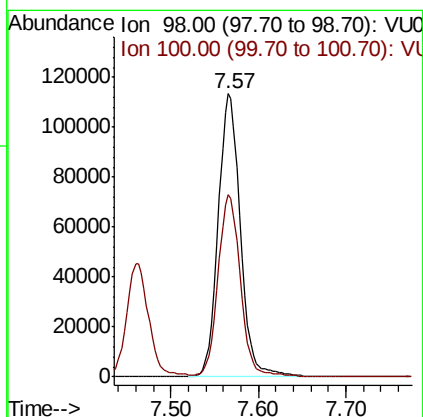
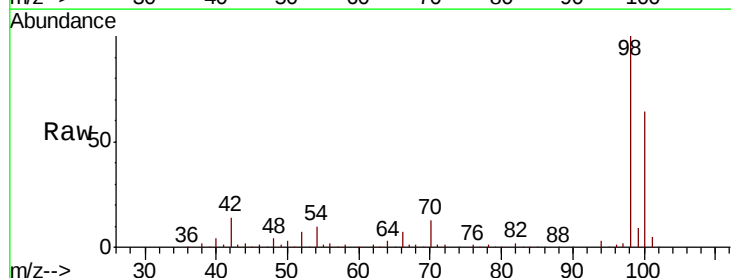
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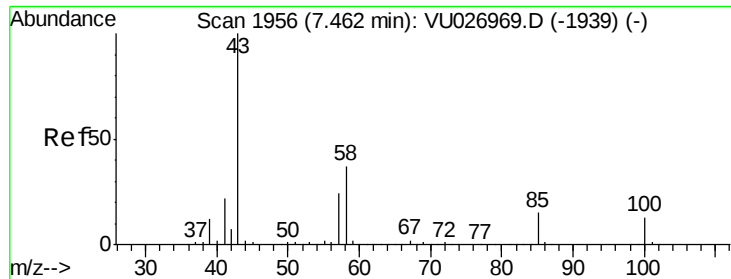
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#50
Toluene-d8
Concen: 45.540 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 284.627 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW311I-20180919MSD

Tot Ion: 43 Resp: 668953

Ion Ratio Lower Upper

43 100

58 36.9

29.8

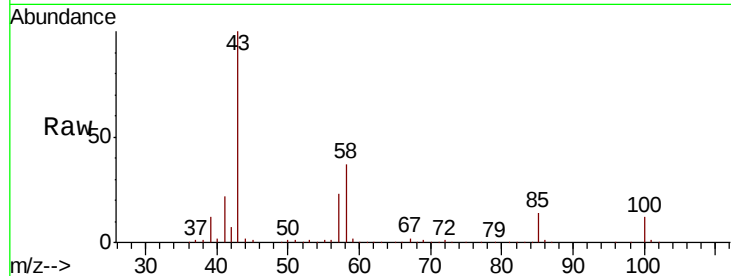
44.6

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

400000

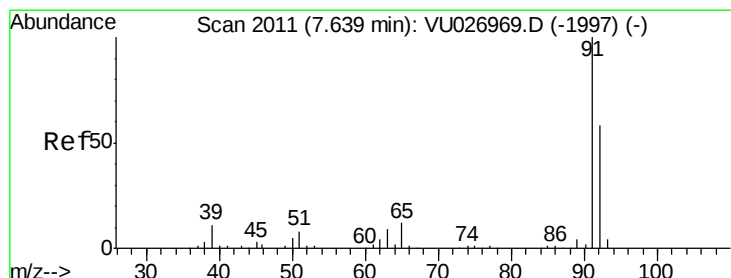
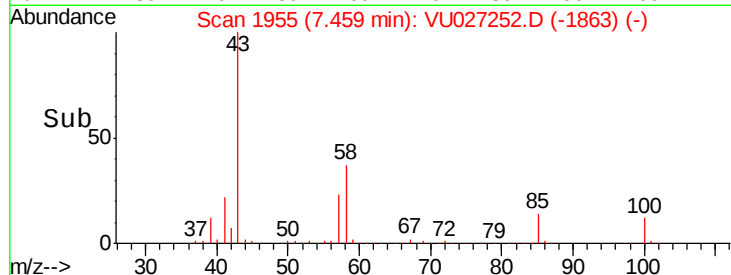
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 54.713 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Tgt Ion: 92 Resp: 168754

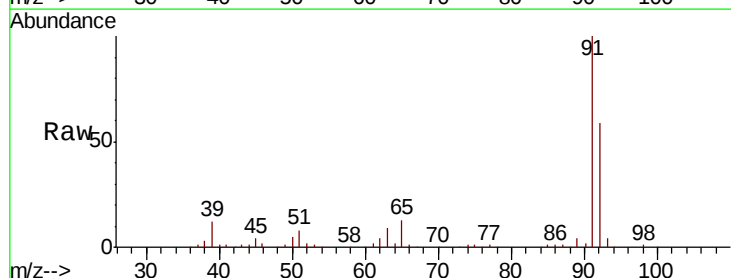
Ion Ratio Lower Upper

92 100

91 171.5

136.4

204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

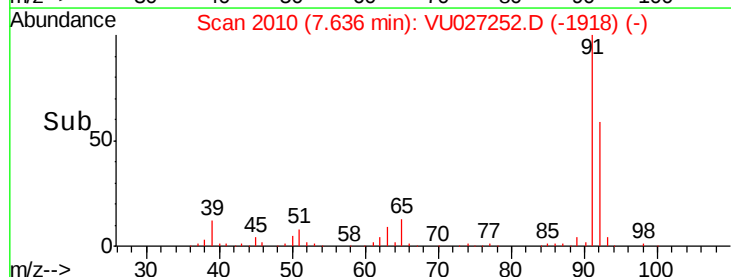
150000

100000

50000

0

Time-->





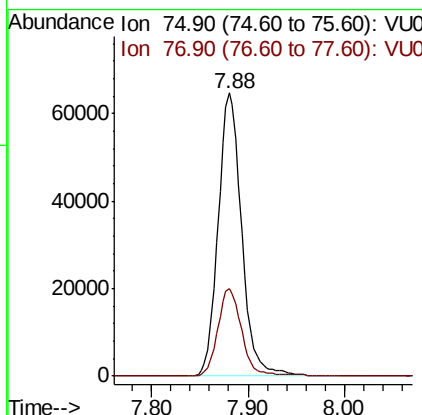
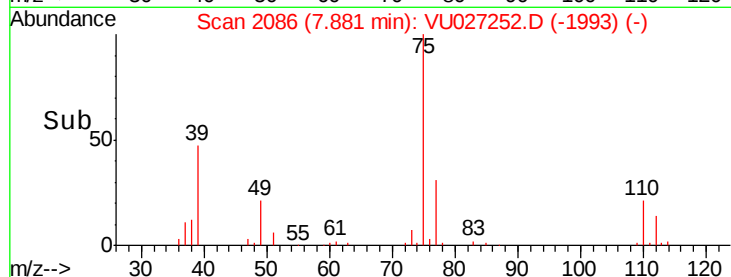
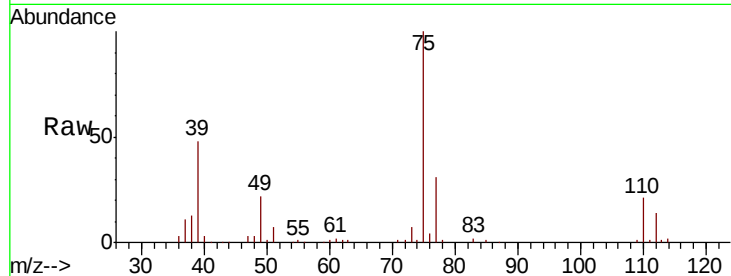
#53
 t-1,3-Dichloropropene
 Concen: 54.322 ug/l
 RT: 7.88 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

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

Tot Ion: 75 Resp: 109280
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.3 37.9

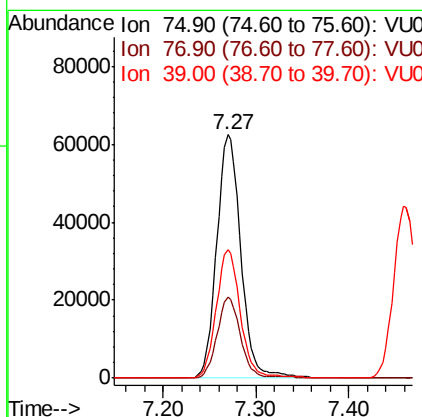
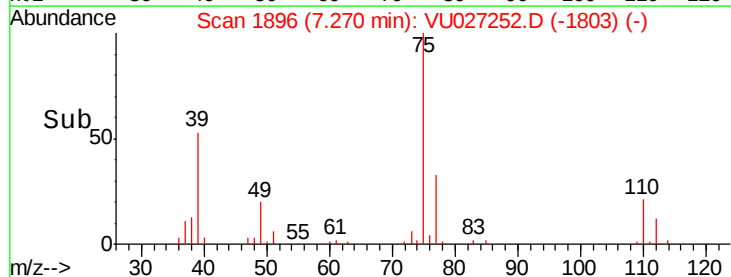
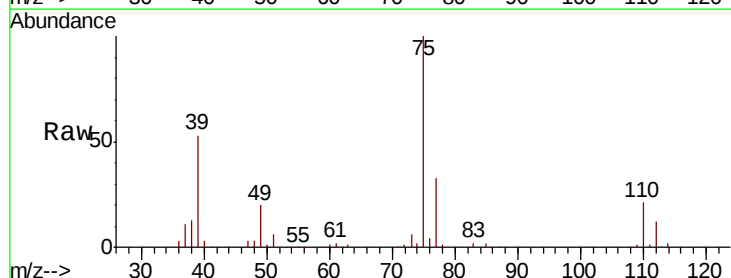
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#54
 cis-1,3-Dichloropropene
 Concen: 51.022 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

Tgt Ion: 75 Resp: 112857
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.4 38.0
 39 52.8 41.6 62.4





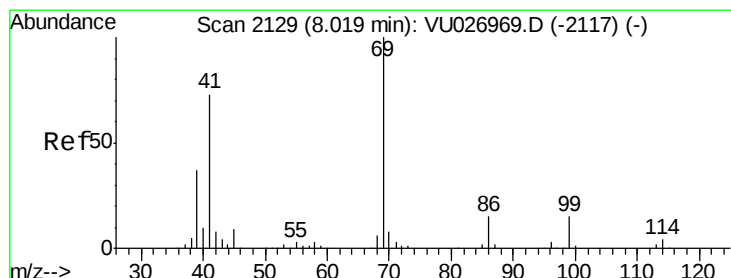
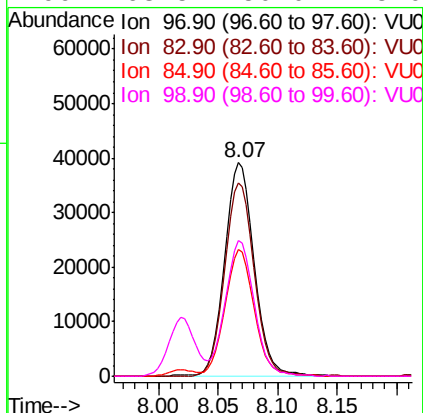
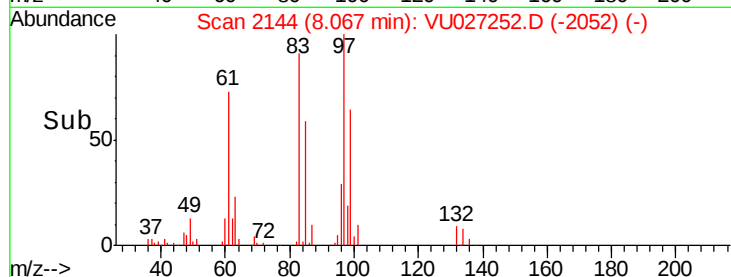
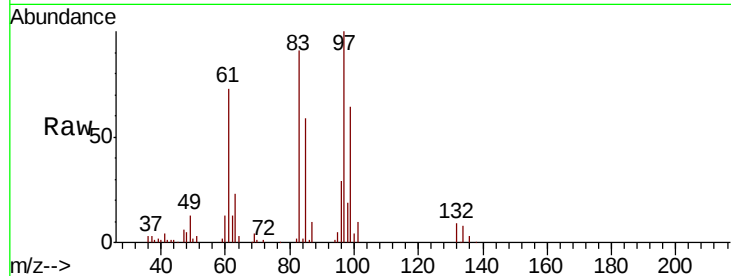
#55
 1,1,2-Trichloroethane
 Concen: 51.748 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

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

Tot Ion:	97	Resp:	67630
Ion	Ratio	Lower	Upper
97	100		
83	90.8	73.1	109.7
85	59.3	46.7	70.1
99	63.5	50.0	75.0

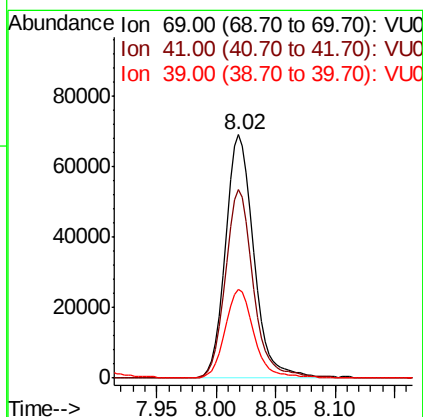
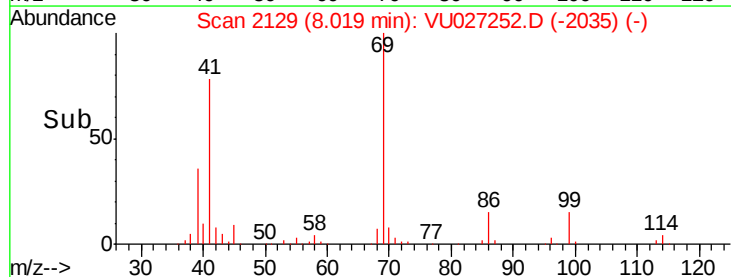
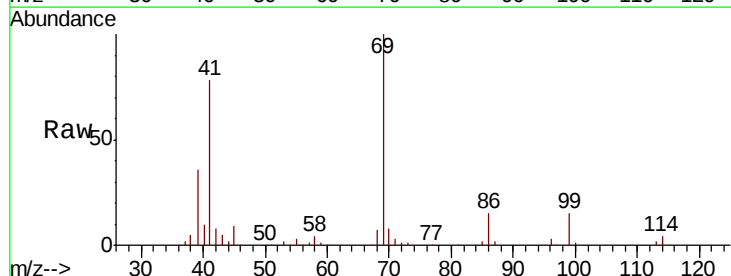
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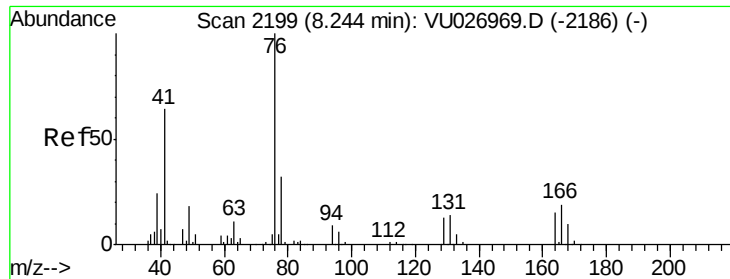
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#56
 Ethyl methacrylate
 Concen: 50.390 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

Tgt Ion:	69	Resp:	114306
Ion	Ratio	Lower	Upper
69	100		
41	77.1	59.0	88.4
39	36.7	30.2	45.4





#57

1,3-Dichloropropane

Concen: 54.089 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW311I-20180919MSD

Tot Ion: 76 Resp: 131476

Ion Ratio Lower Upper

76 100

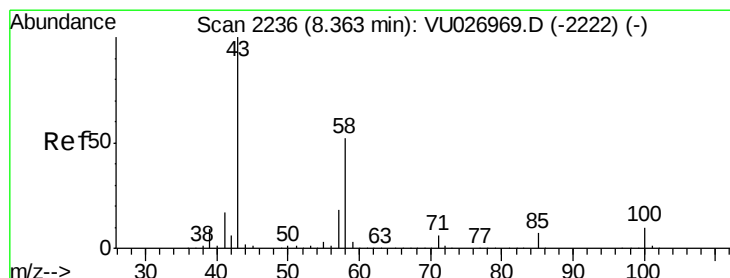
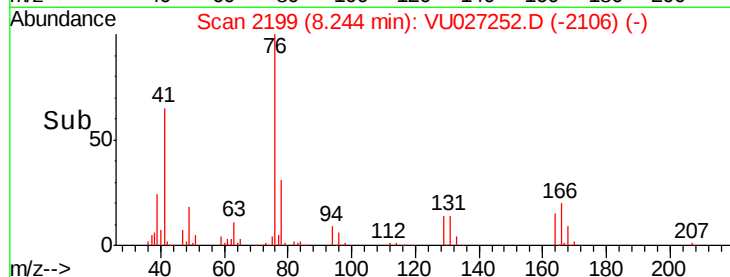
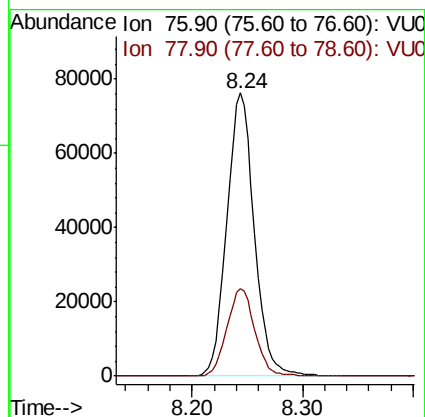
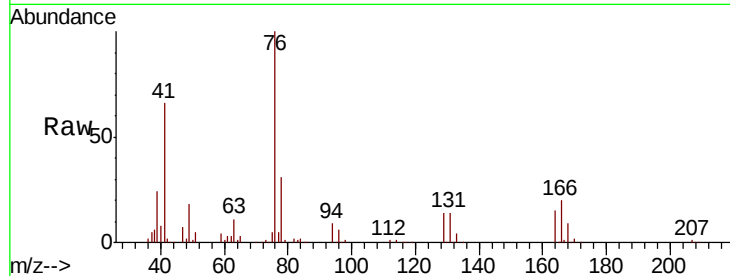
78 31.4 25.5 38.3

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#59

2-Hexanone

Concen: 277.083 ug/l

RT: 8.36 min Scan# 2236

Delta R.T. 0.00 min

Lab File: VU027252.D

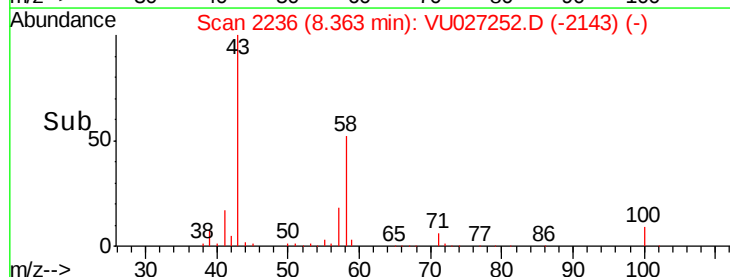
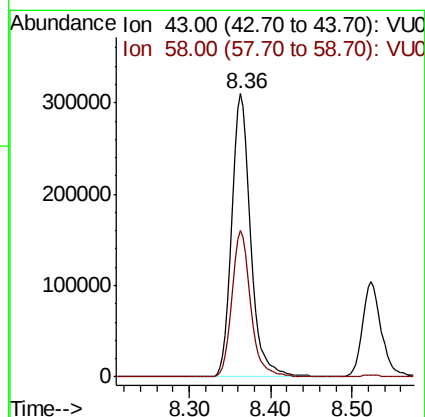
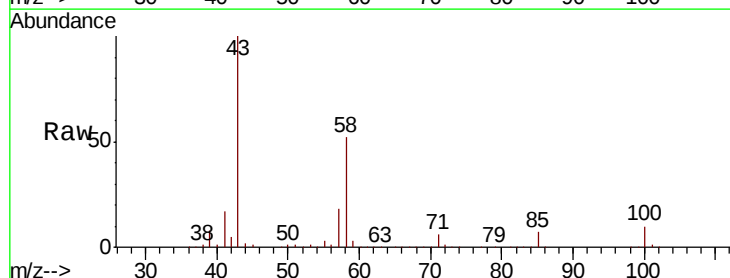
Acq: 28 Sep 2018 02:25

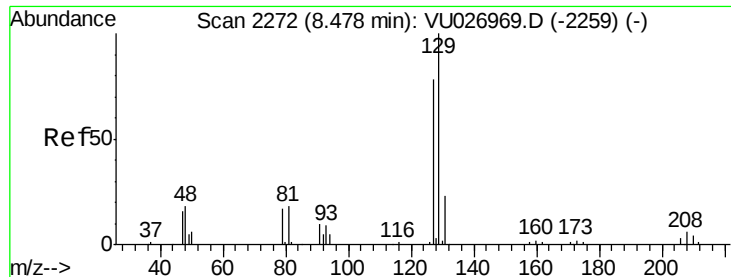
Tgt Ion: 43 Resp: 509763

Ion Ratio Lower Upper

43 100

58 51.3 26.1 78.2





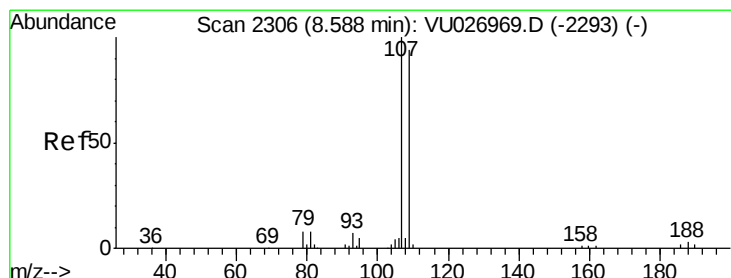
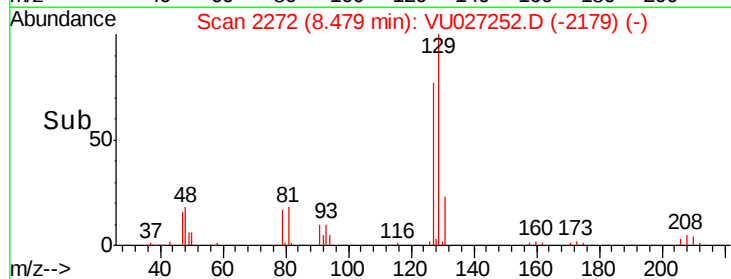
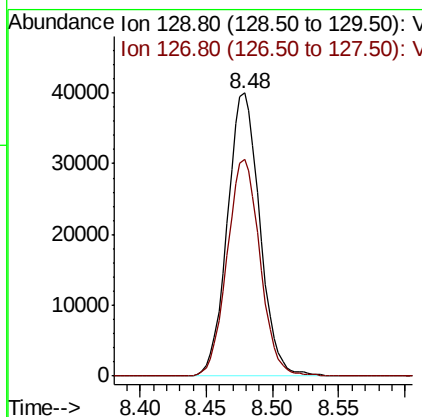
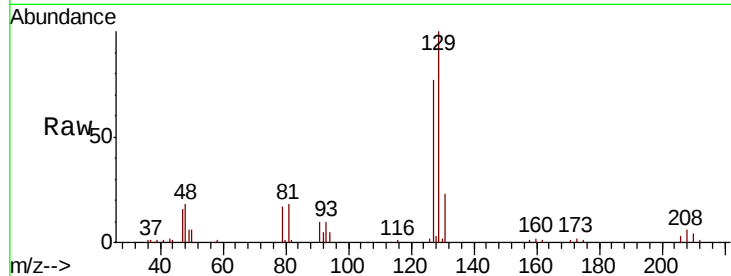
#60
 Dibromochloromethane
 Concen: 53.089 ug/l
 RT: 8.48 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		68057		
127	77.7	38.1	114.5		

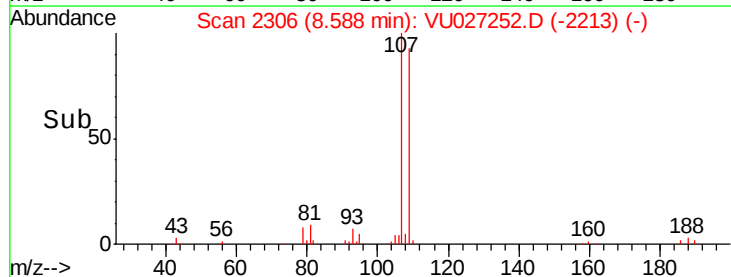
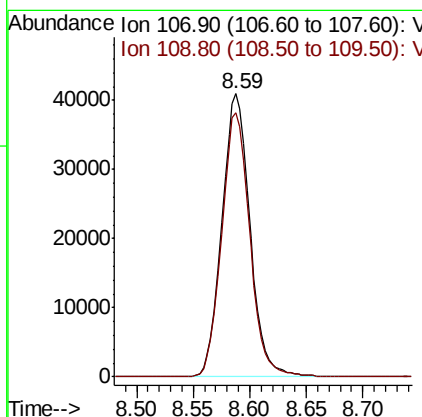
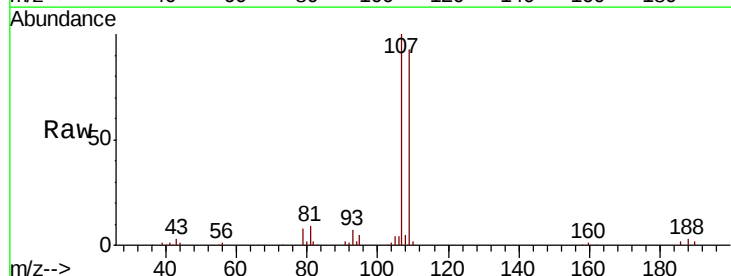
Manual Integrations
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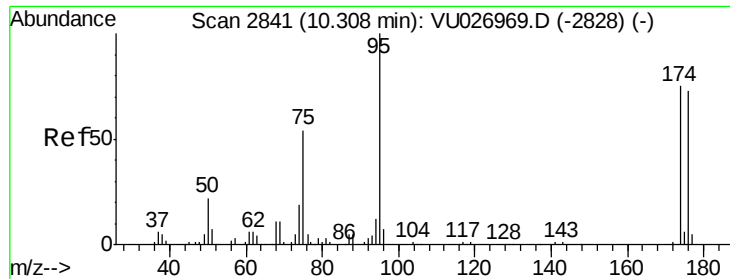
MMDadoda
 10/2/2018 1:07:17 PM



#61
 1,2-Dibromoethane
 Concen: 51.972 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		70672		
109	93.8	75.0	112.6		





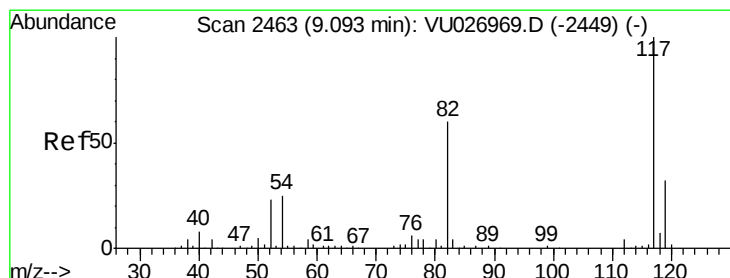
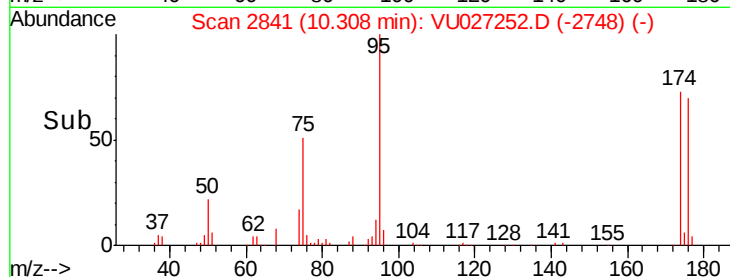
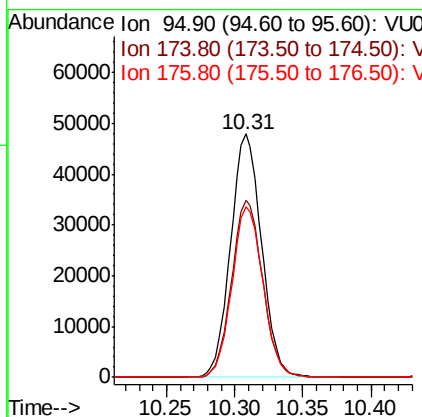
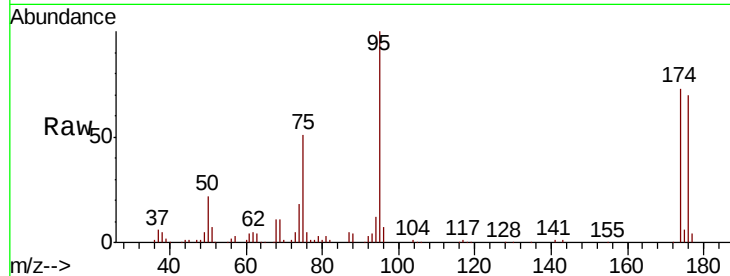
#62
4-Bromofluorobenzene
Concen: 50.197 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

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

Tot Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	150.2
176	70.2	0.0	145.2

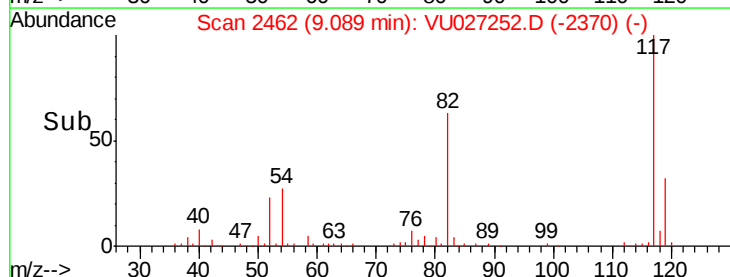
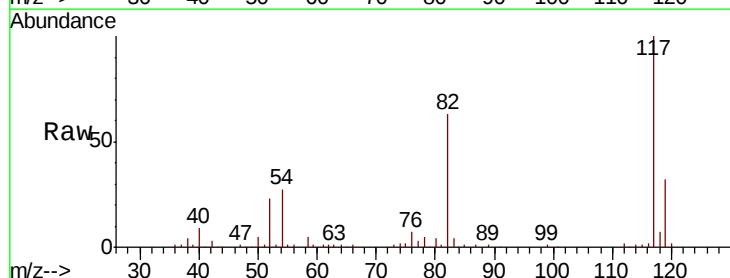
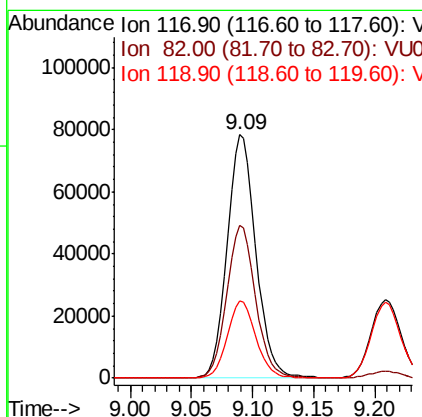
Manual Integrations
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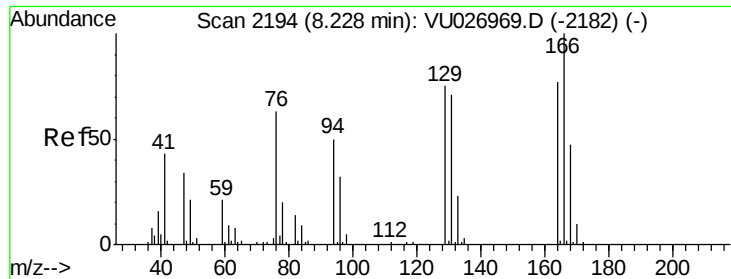
MMDadoda
10/2/2018 1:07:17 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.6	48.0	72.0
119	31.8	25.8	38.8





#64

Tetrachloroethene

Concen: 50.050 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW311I-20180919MSD

Tot Ion:164 Resp: 49896

Ion Ratio Lower Upper

164 100

166 129.7 104.4 156.6

129 97.9 78.7 118.1

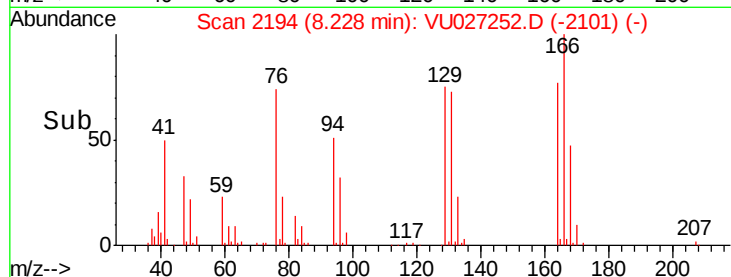
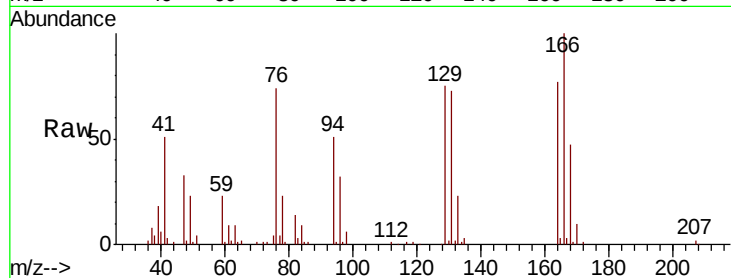
131 94.4 73.9 110.9

Manual Integrations

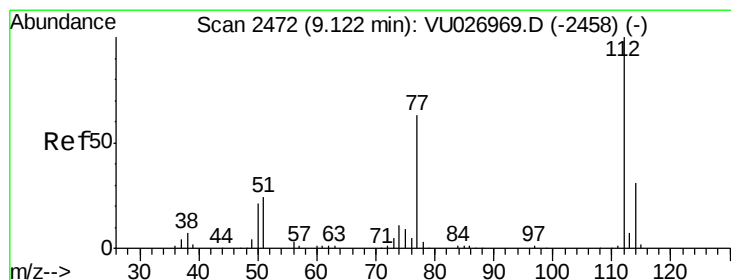
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Time-->



#65

Chlorobenzene

Concen: 50.015 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU027252.D

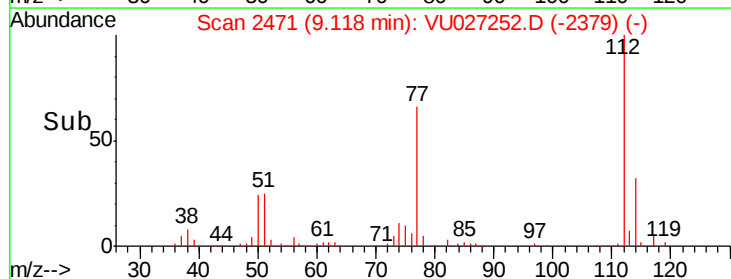
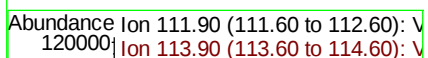
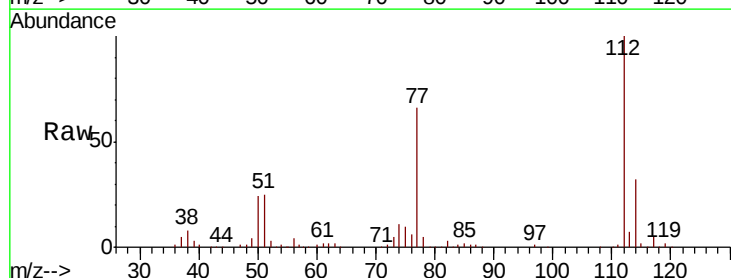
Acq: 28 Sep 2018 02:25

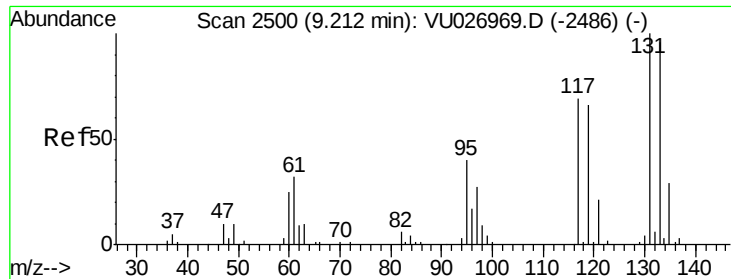
Tgt Ion:112 Resp: 171574

Ion Ratio Lower Upper

112 100

114 32.0 25.0 37.6





#66

1,1,1,2-Tetrachloroethane

Concen: 51.437 ug/l

RT: 9.21 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Instrument :

MSVOA_U

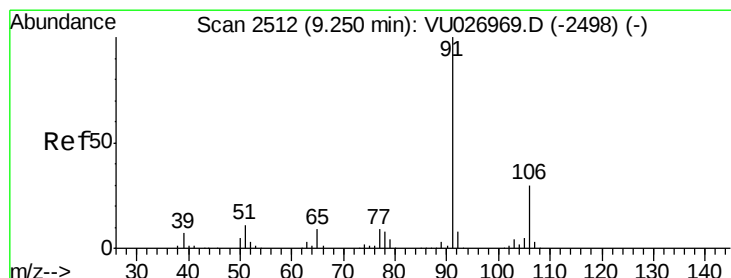
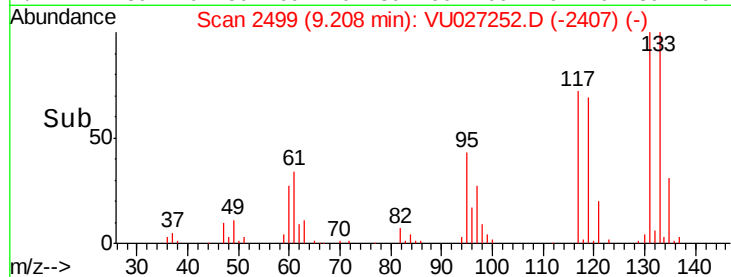
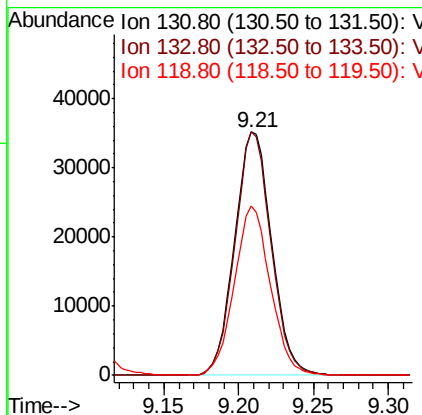
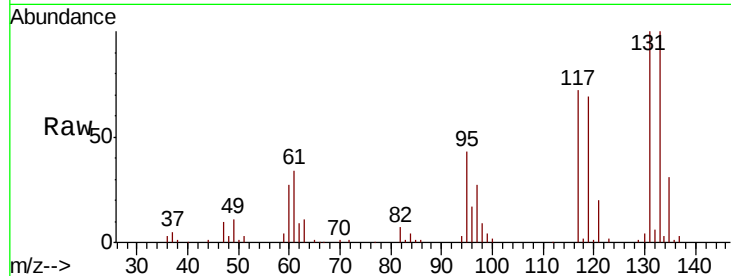
ClientSampleId :

BPSI-TT-MW311I-20180919MSD

Tot Ion:	131	Resp:	60776
Ion Ratio	Lower	Upper	
131	100		
133	97.3	48.0	144.2
119	67.8	33.4	100.1

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#67

Ethyl Benzene

Concen: 55.064 ug/l

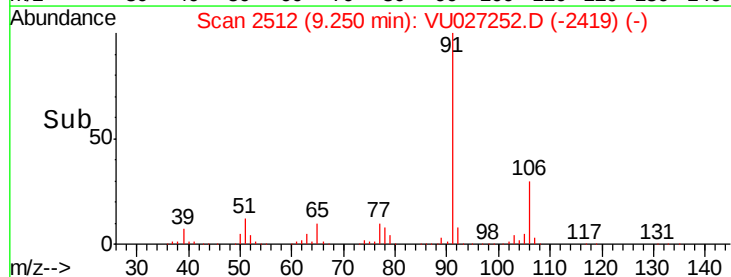
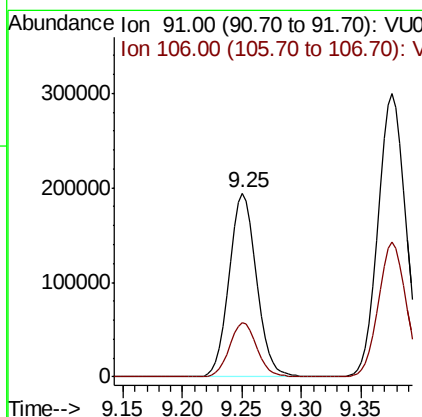
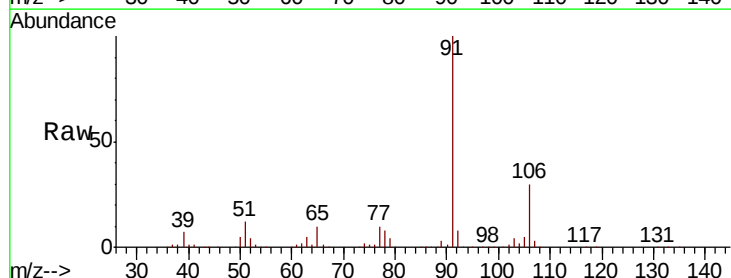
RT: 9.25 min Scan# 2512

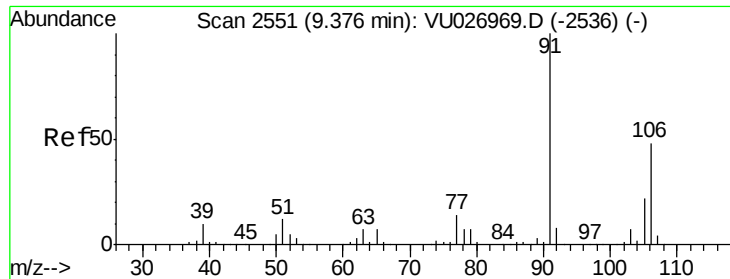
Delta R.T. 0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Tgt Ion:	91	Resp:	310613
Ion Ratio	Lower	Upper	
91	100		
106	29.6	23.8	35.8





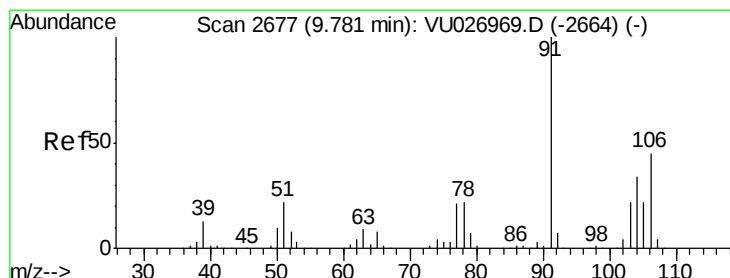
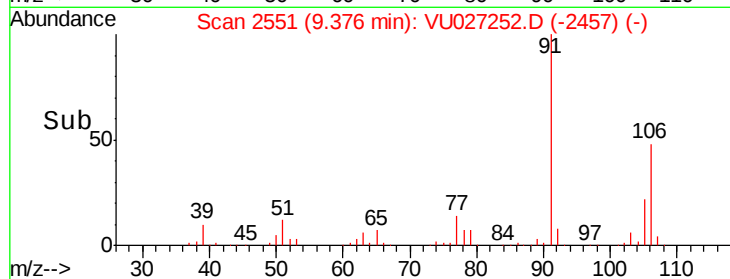
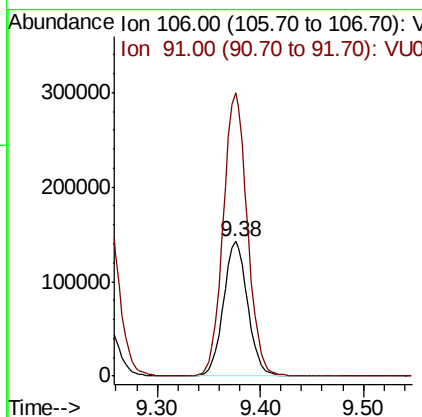
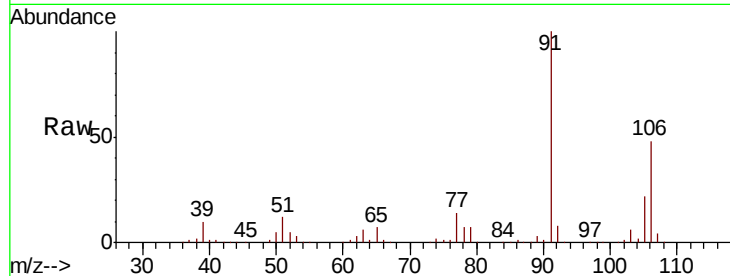
#68
m/p-Xylenes
Concen: 101.826 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

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

Tot Ion:106 Resp: 232686
Ion Ratio Lower Upper
106 100
91 210.2 166.5 249.7

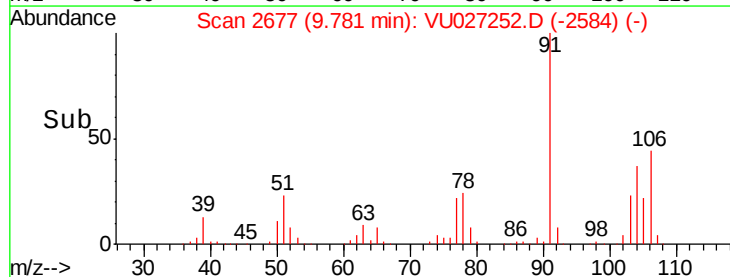
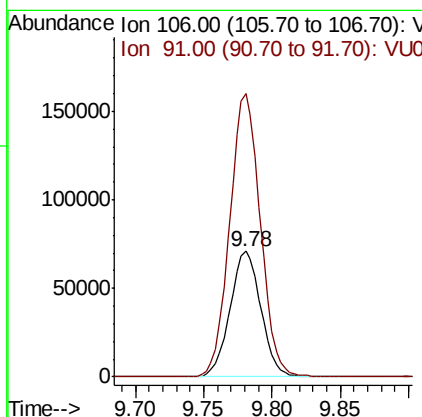
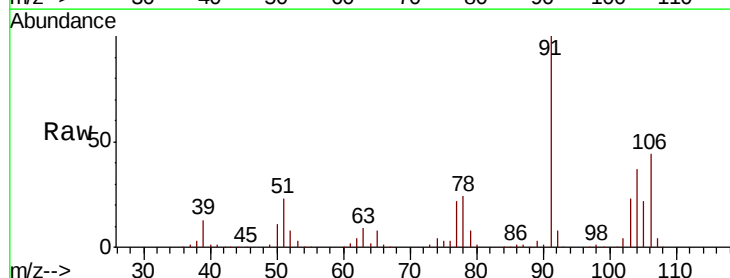
Manual Integrations
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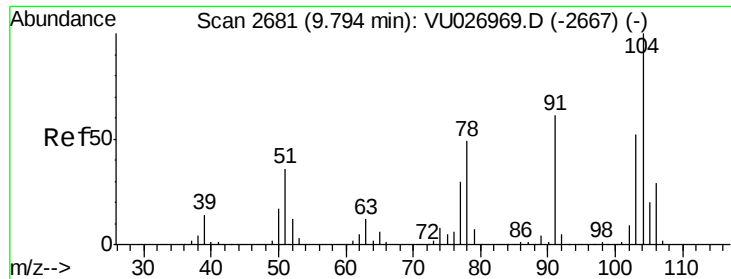
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#69
o-Xylene
Concen: 55.622 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

Tgt Ion:106 Resp: 111168
Ion Ratio Lower Upper
106 100
91 224.1 110.2 330.6





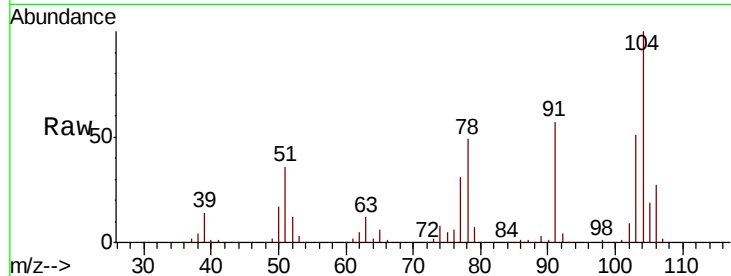
#70
Stvrene
Concen: 50.243 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

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

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.0	43.0	64.4
103	55.2	44.1	66.1

Manual Integrations
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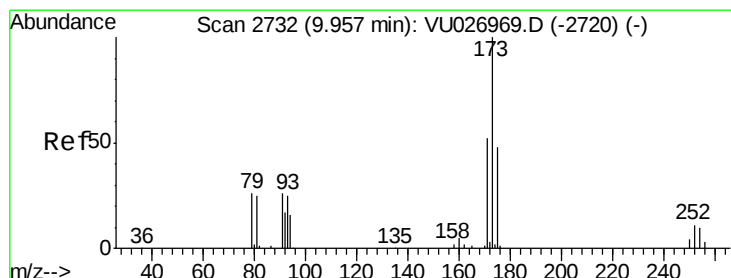
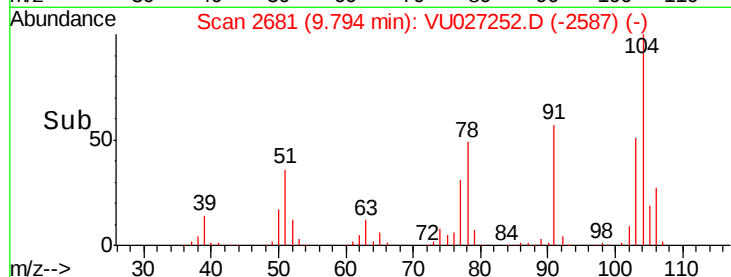
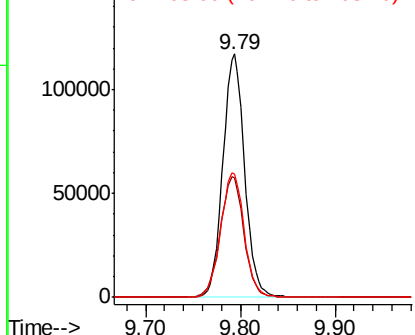


Abundance

Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71
Bromoform
Concen: 54.010 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

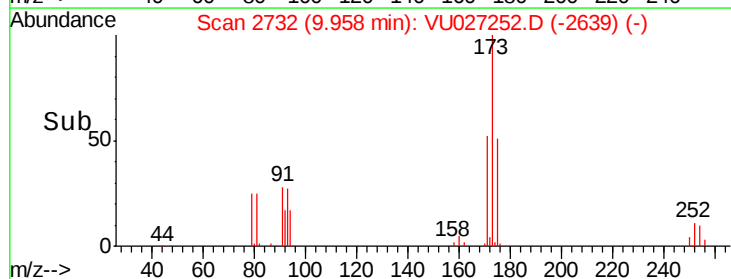
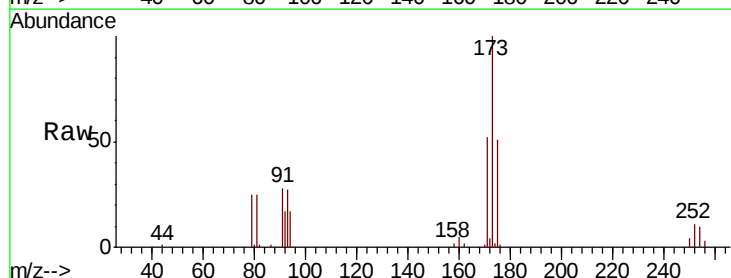
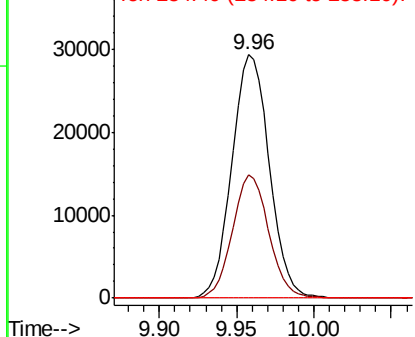
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.9	71.8
254	0.0	0.0	0.0

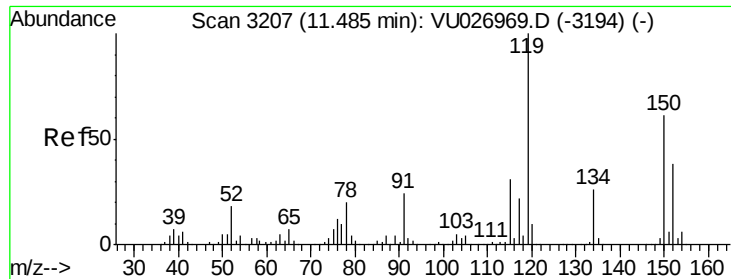
Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW311I-20180919MSD

Tot Ion:152 Resp: 72059

Ion Ratio Lower Upper

152 100

115 88.0 44.9 134.5

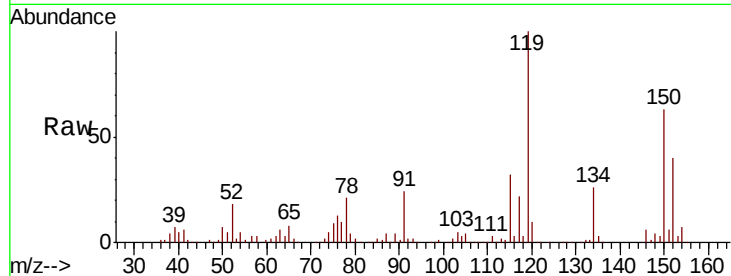
150 175.2 0.0 355.8

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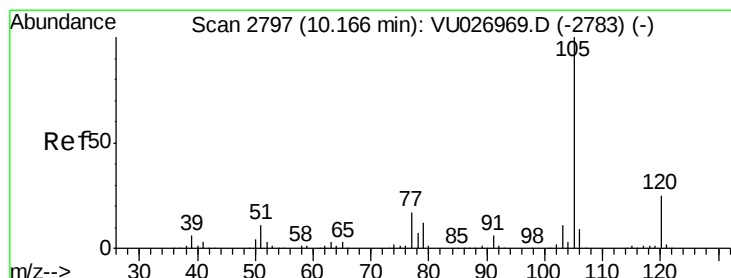
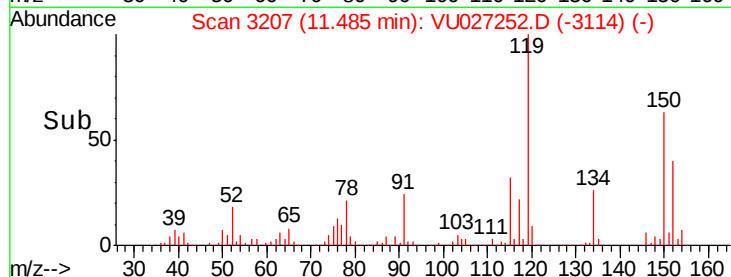
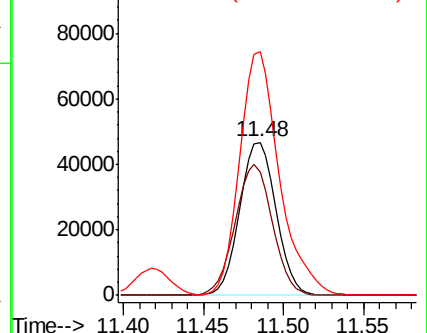
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 55.009 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027252.D

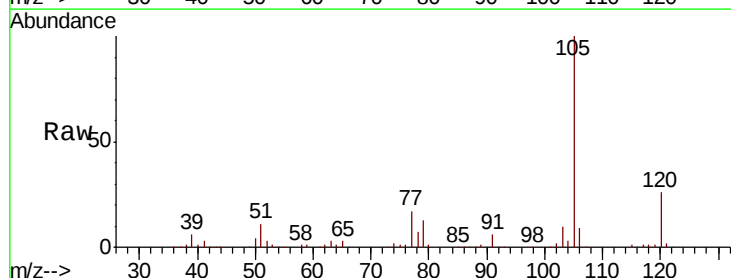
Acq: 28 Sep 2018 02:25

Tgt Ion:105 Resp: 301528

Ion Ratio Lower Upper

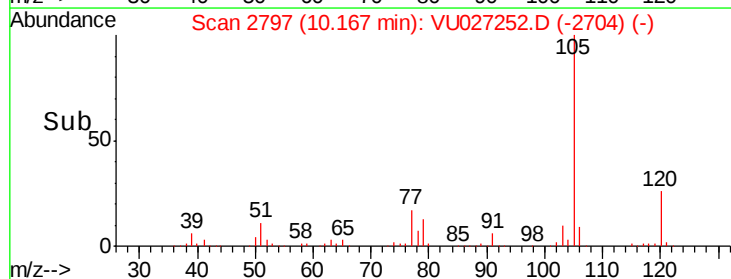
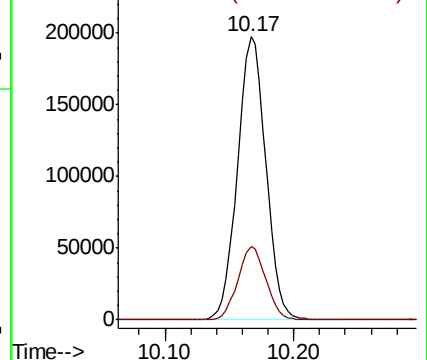
105 100

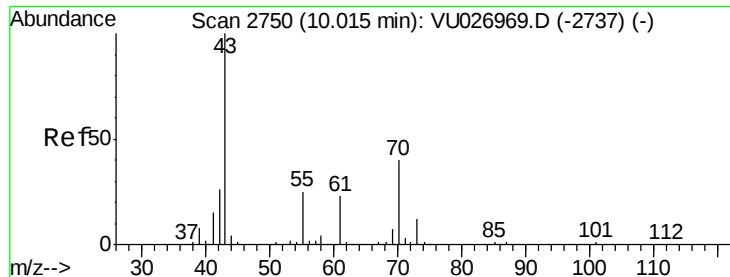
120 25.6 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 51.374 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Instrument :

MSVOA_U

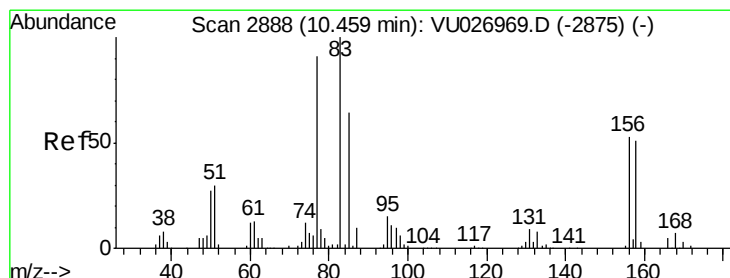
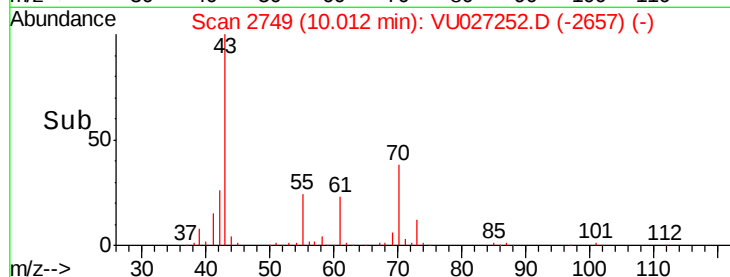
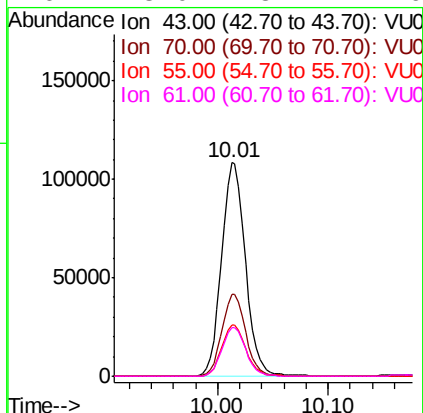
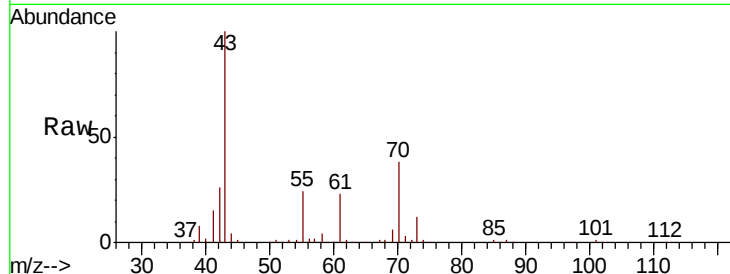
ClientSampleId :

BPSI-TT-MW311I-20180919MSD

Tot Ion:	43	Resp:	163003
Ion	Ratio	Lower	Upper
43	100		
70	38.1	31.8	47.8
55	24.2	19.9	29.9
61	23.0	18.4	27.6

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#75

1,1,2,2-Tetrachloroethane

Concen: 47.114 ug/l

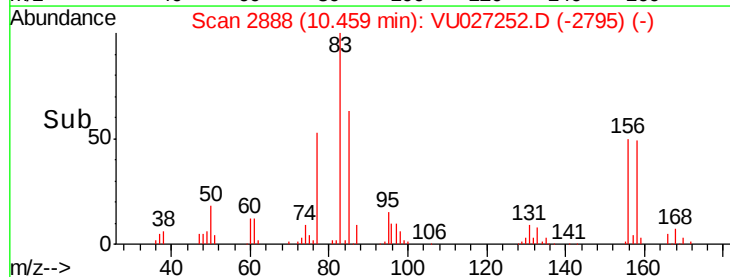
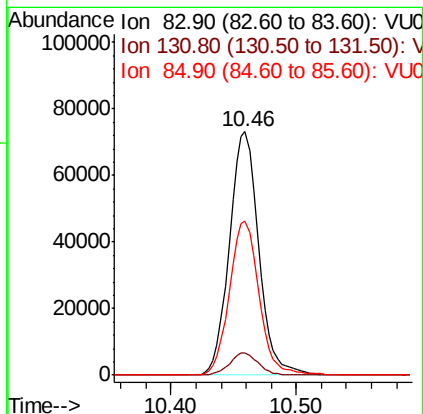
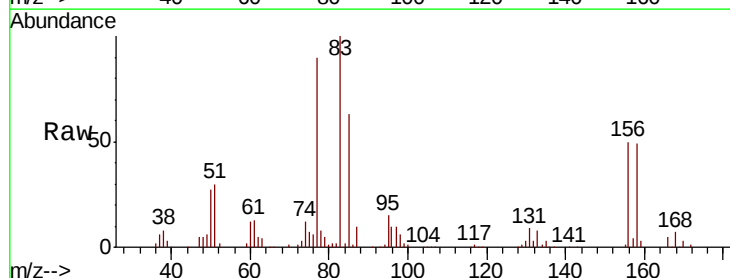
RT: 10.46 min Scan# 2888

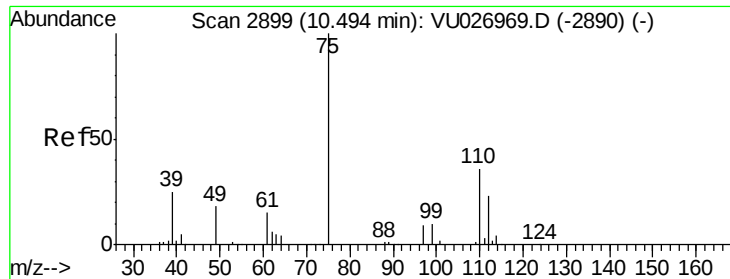
Delta R.T. 0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Tgt Ion:	83	Resp:	118737
Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.3	12.8
85	64.0	31.9	95.7





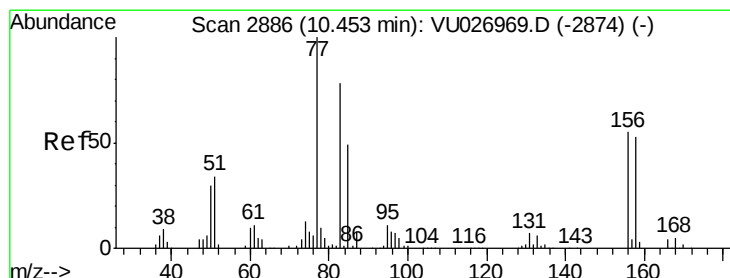
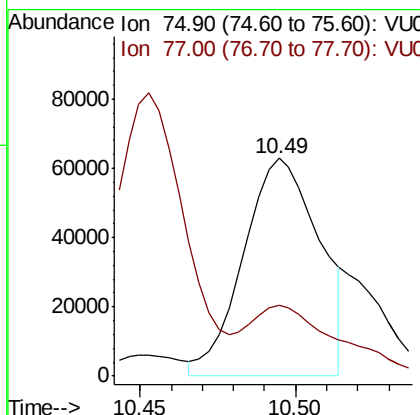
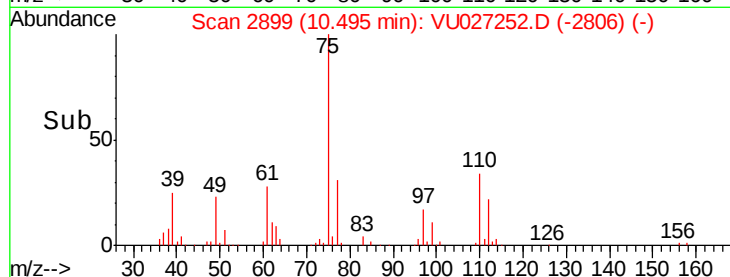
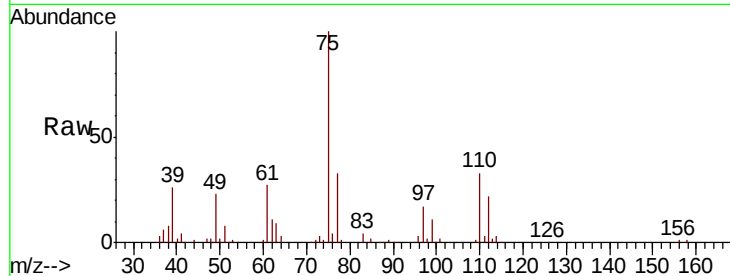
#76
1,2,3-Trichloropropane
Concen: 49.035 ug/l m
RT: 10.49 min Scan# 2899
Delta R.T. 0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

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

Tot Ion: 75 Resp: 107343
Ion Ratio Lower Upper
75 100
77 39.8 20.9 62.8

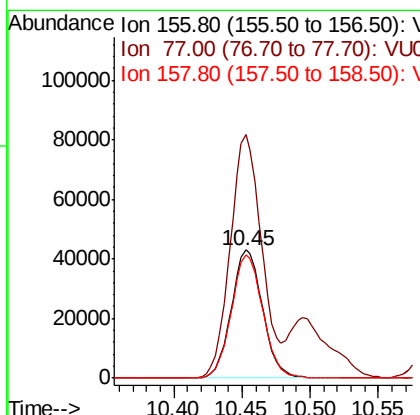
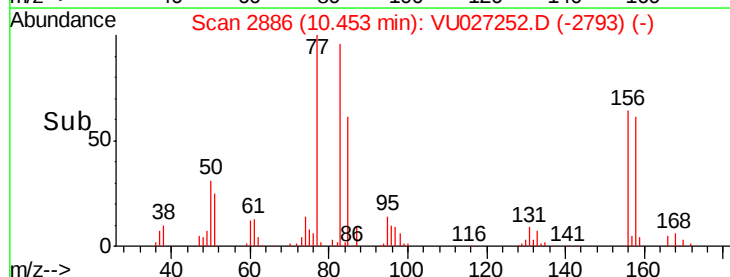
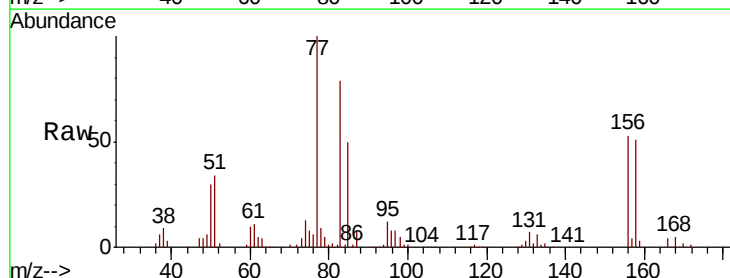
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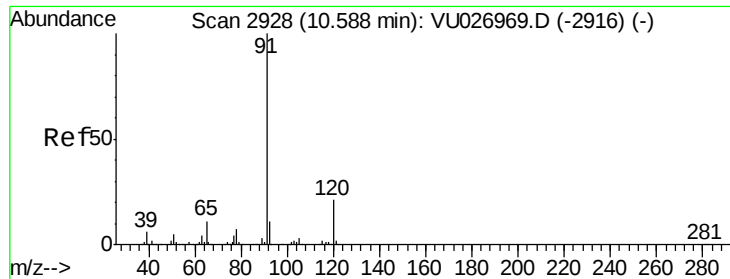
MMDadoda
10/2/2018 1:07:17 PM



#77
Bromobenzene
Concen: 50.966 ug/l
RT: 10.45 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

Tgt Ion: 156 Resp: 68268
Ion Ratio Lower Upper
156 100
77 191.7 92.3 276.9
158 97.2 48.1 144.3





#78

n-propylbenzene

Concen: 56.566 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW311I-20180919MSD

Tot Ion: 91 Resp: 366874

Ion Ratio Lower Upper

91 100

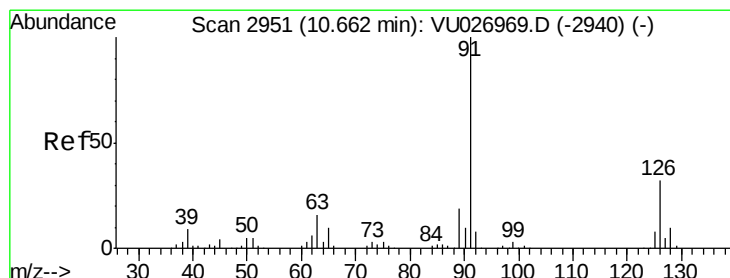
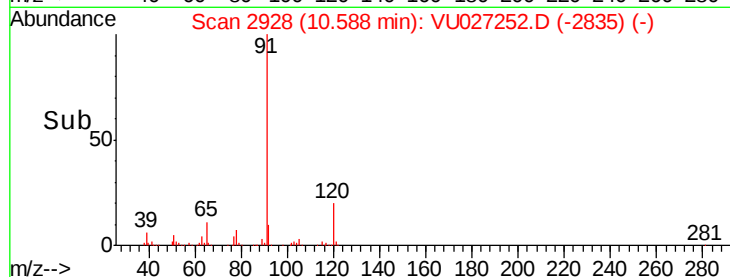
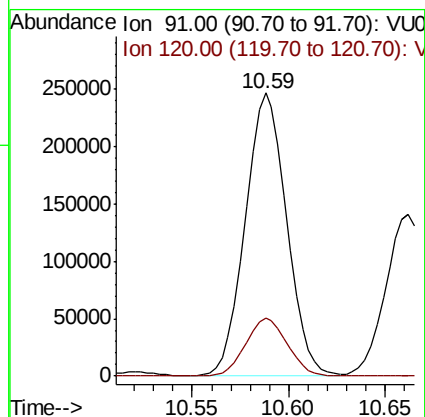
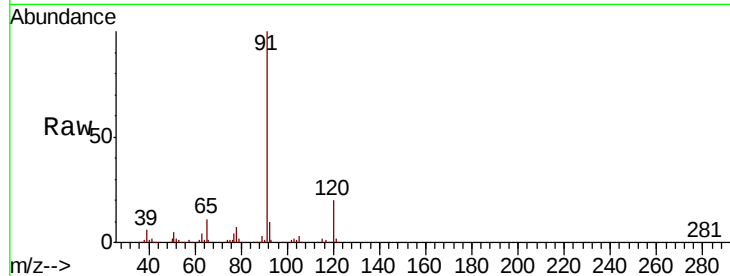
120 20.7 10.6 31.8

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#79

2-Chlorotoluene

Concen: 53.701 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027252.D

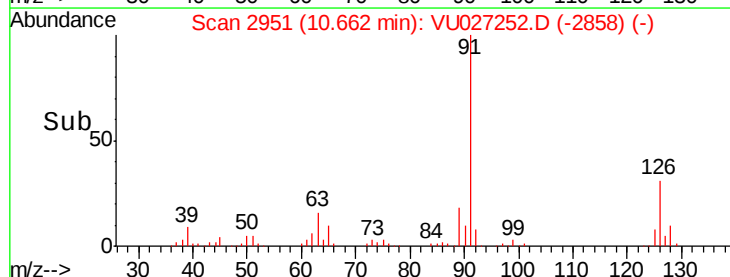
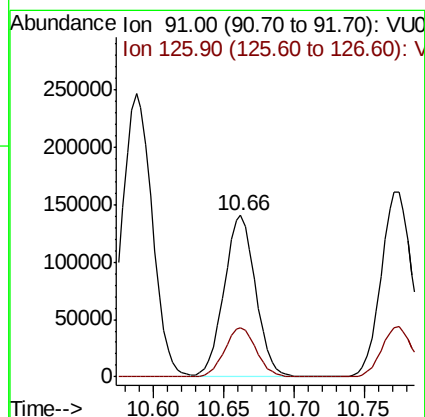
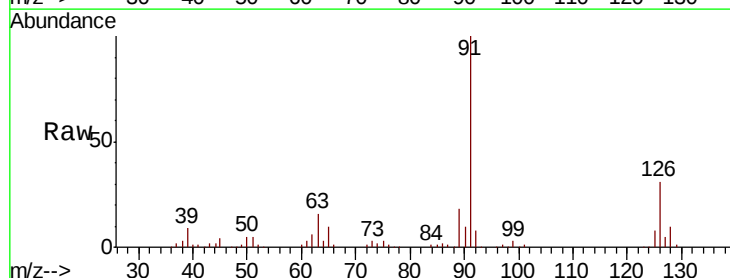
Acq: 28 Sep 2018 02:25

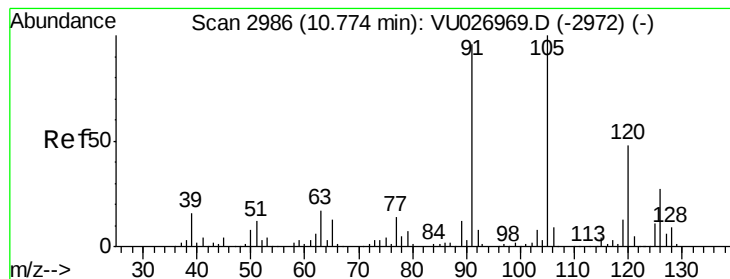
Tgt Ion: 91 Resp: 218775

Ion Ratio Lower Upper

91 100

126 30.8 15.8 47.3





#80

1,3,5-Trimethylbenzene

Concen: 55.992 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Instrument :

MSVOA_U

ClientSampleId :

BPSI-TT-MW311I-20180919MSD

Tot Ion:105 Resp: 253355

Ion Ratio Lower Upper

105 100

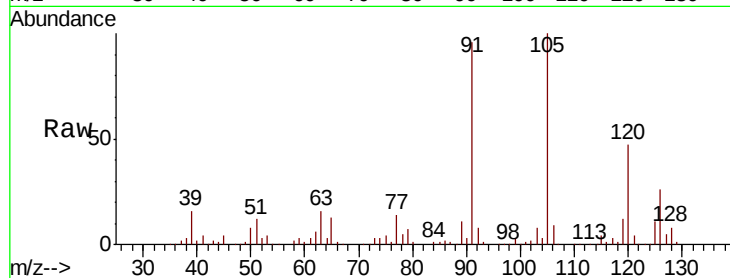
120 47.2 23.9 71.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

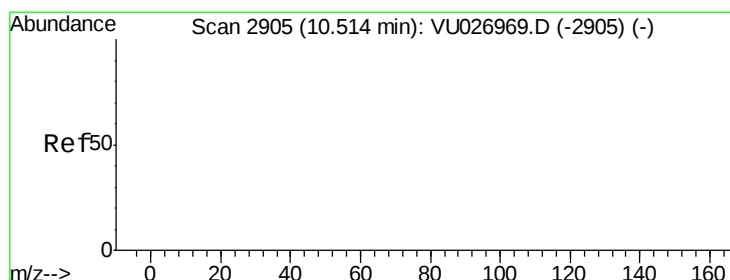
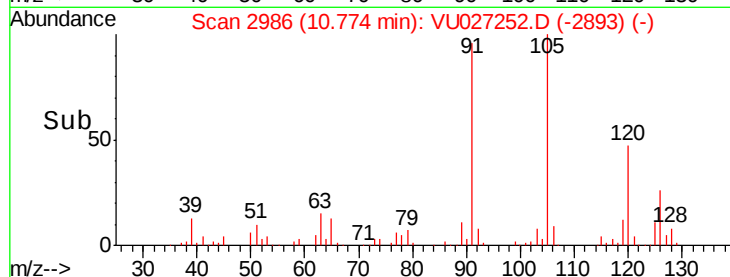
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 41.106 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

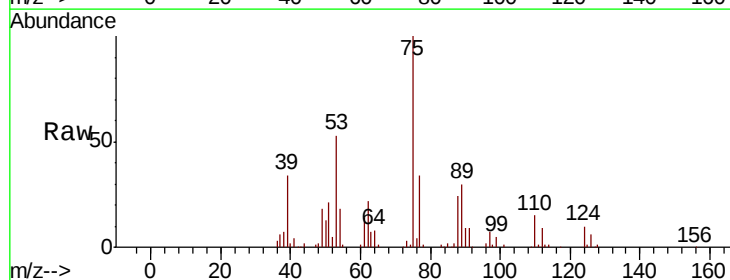
Tgt Ion: 75 Resp: 28119

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

80000

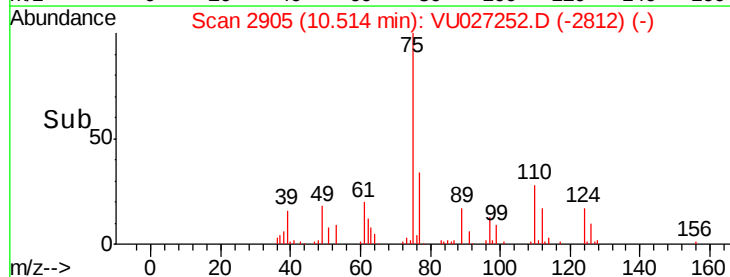
60000

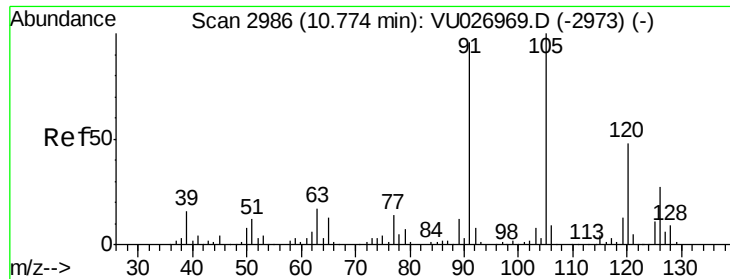
40000

20000

0

Time-->





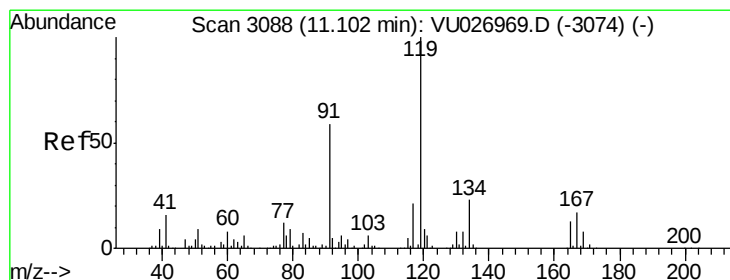
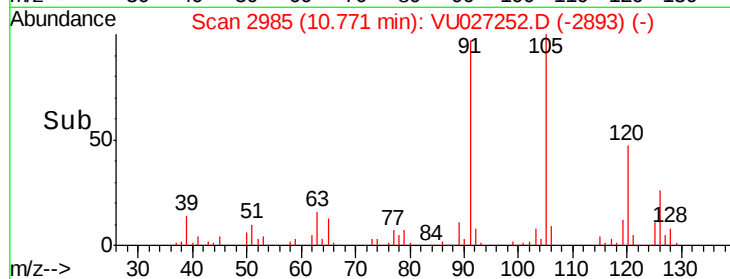
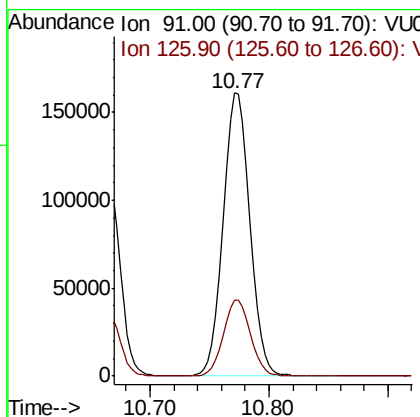
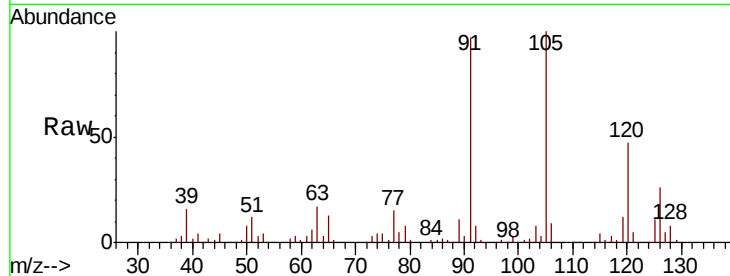
#82
4-Chlorotoluene
Concen: 54.744 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

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

Tot Ion: 91 Resp: 250071
Ion Ratio Lower Upper
91 100
126 27.4 14.1 42.2

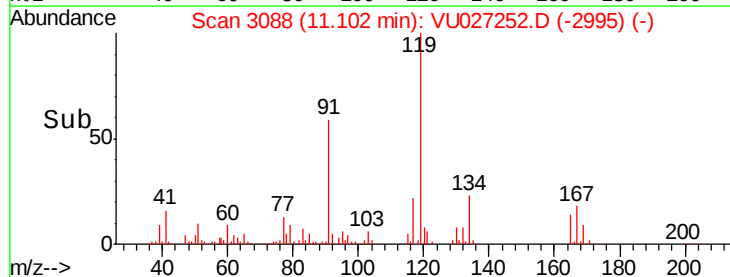
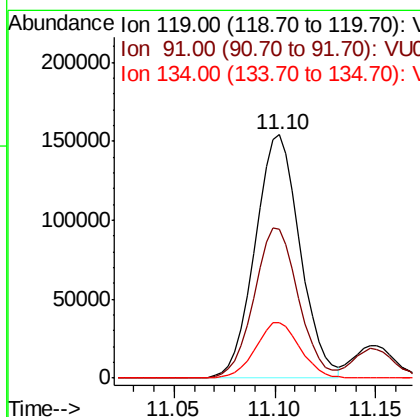
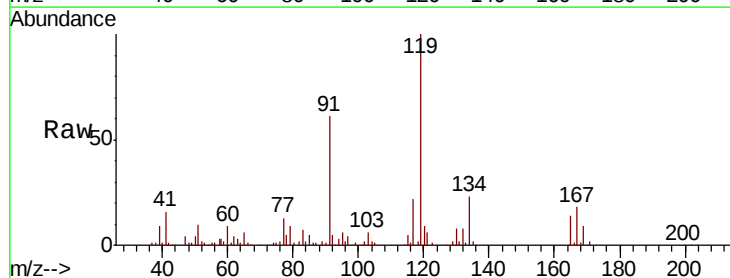
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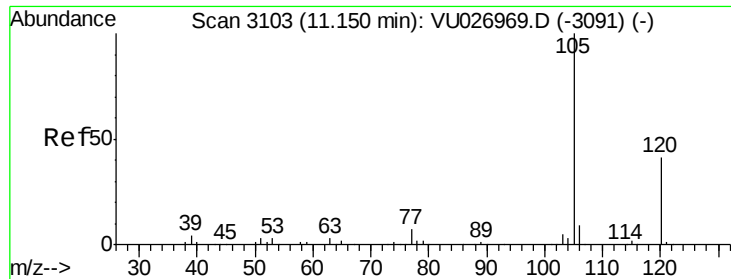
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#83
tert-Butylbenzene
Concen: 53.545 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

Tgt Ion: 119 Resp: 239532
Ion Ratio Lower Upper
119 100
91 60.7 29.8 89.4
134 22.6 11.5 34.4





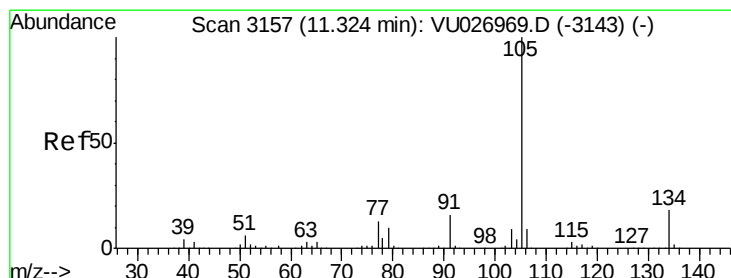
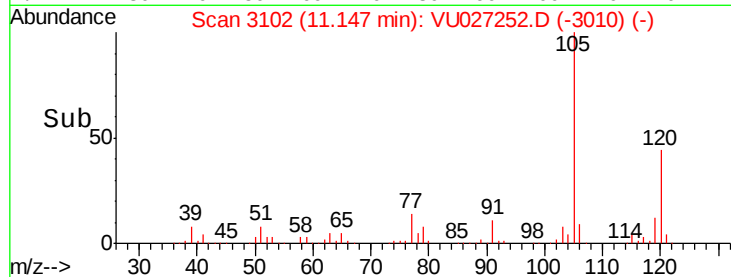
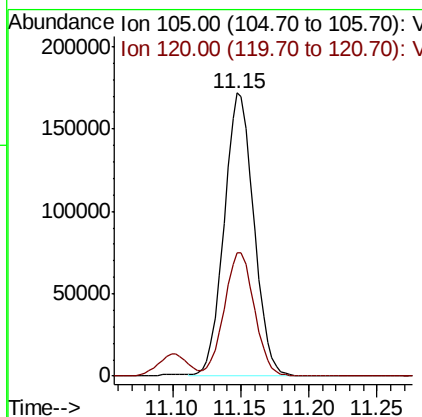
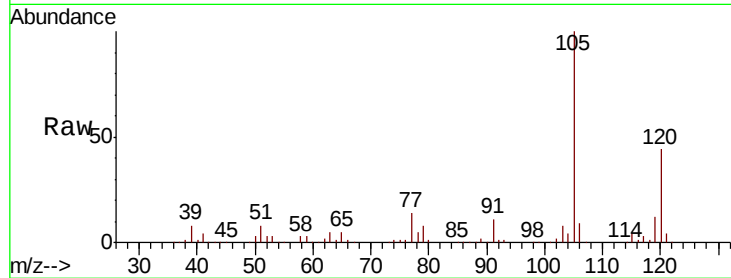
#84
 1,2,4-Trimethylbenzene
 Concen: 56.340 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

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

Tot Ion:105 Resp: 259439
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.4 67.2

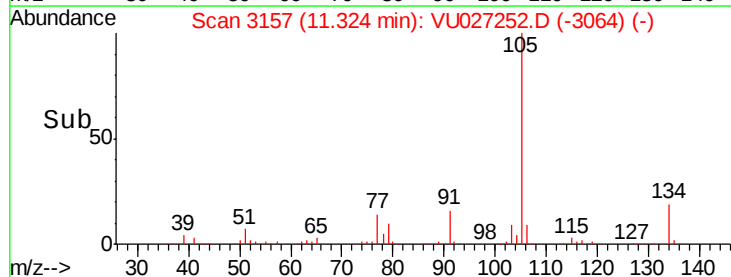
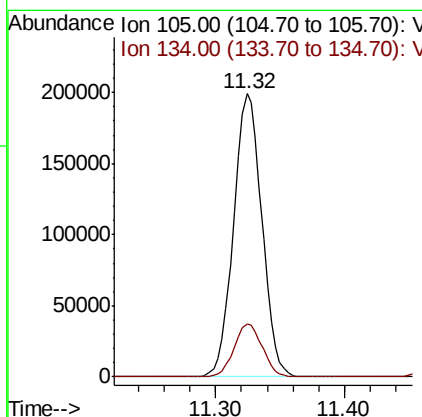
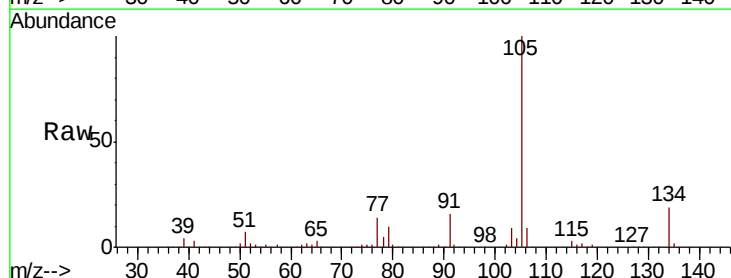
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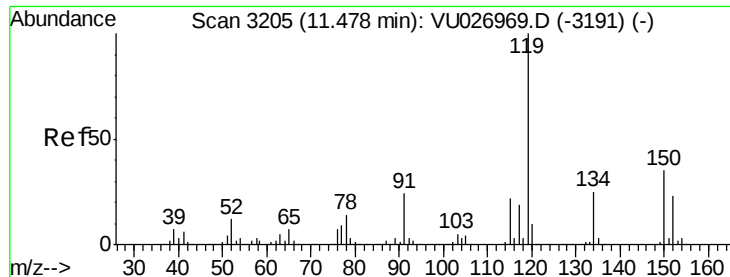
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#85
 sec-Butylbenzene
 Concen: 55.431 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

Tgt Ion:105 Resp: 302695
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.4 28.2





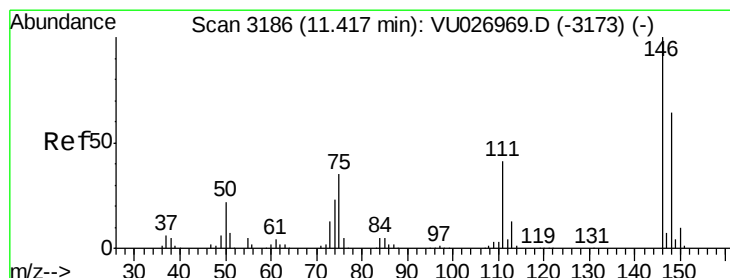
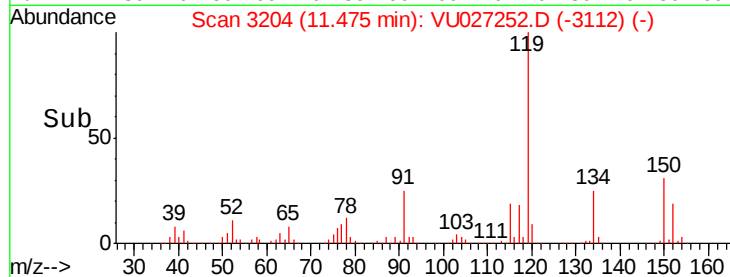
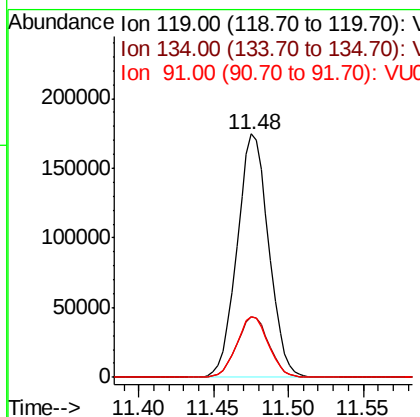
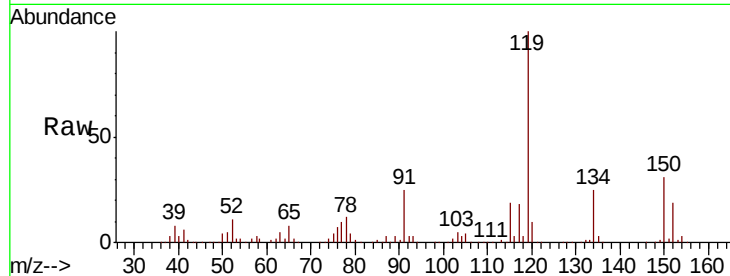
#86
 p-Isopropyltoluene
 Concen: 50.144 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	256952		
134	25.1	12.8	38.3	
91	24.9	12.3	36.8	

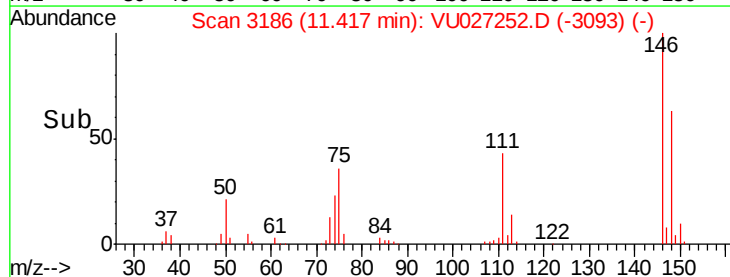
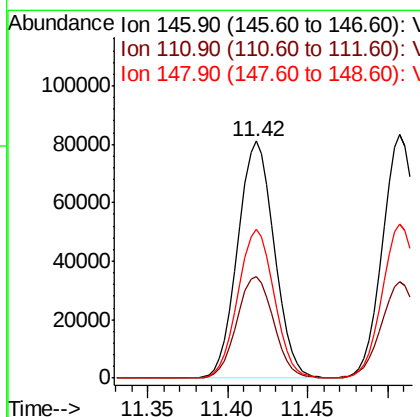
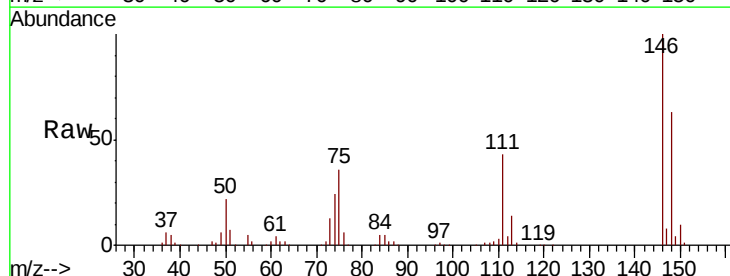
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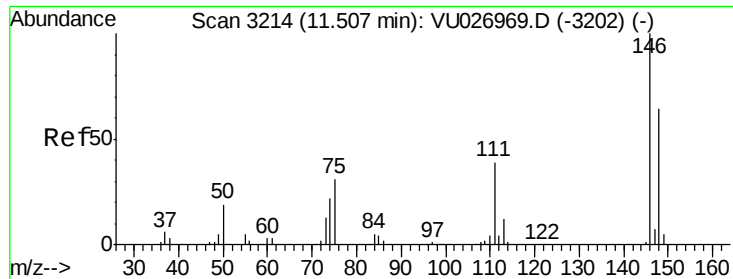
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#87
 1,3-Dichlorobenzene
 Concen: 50.608 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	126147		
111	43.1	20.8	62.2	
148	62.2	32.0	96.2	





#88

1,4-Dichlorobenzene

Concen: 47.094 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Instrument :

MSVOA_U

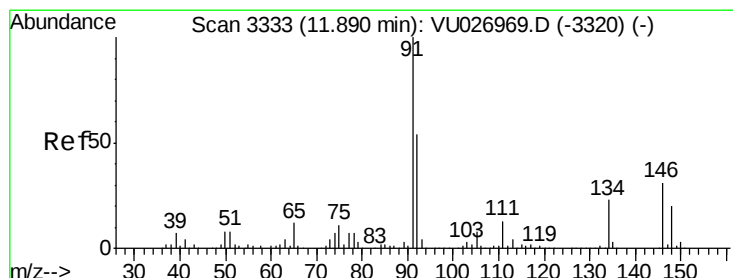
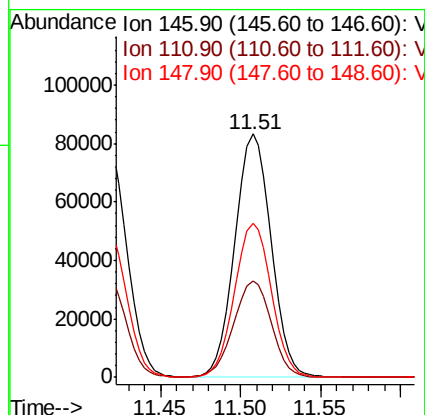
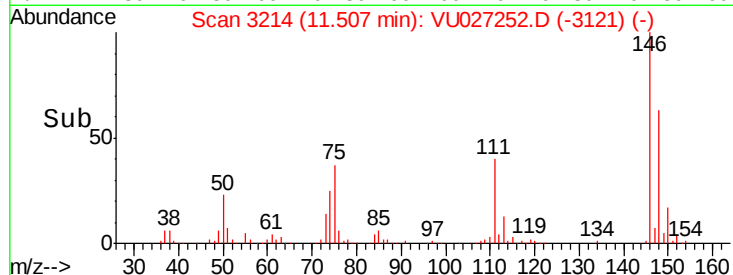
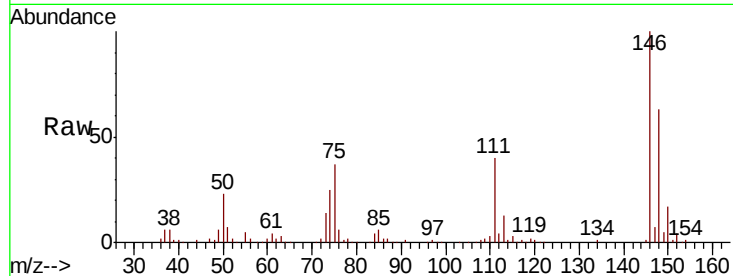
ClientSampleId :

BPSI-TT-MW311I-20180919MSD

Tot Ion:	146	Resp:	127940
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.3	60.9
148	64.6	31.9	95.9

Manual Integrations
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#89

n-Butylbenzene

Concen: 48.053 ug/l

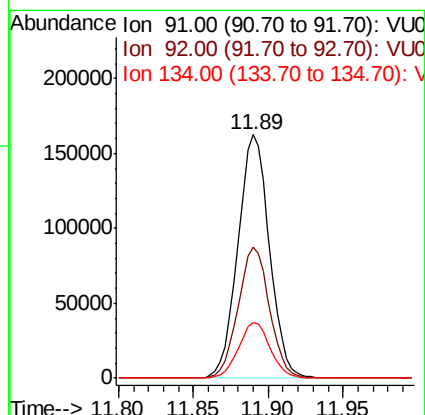
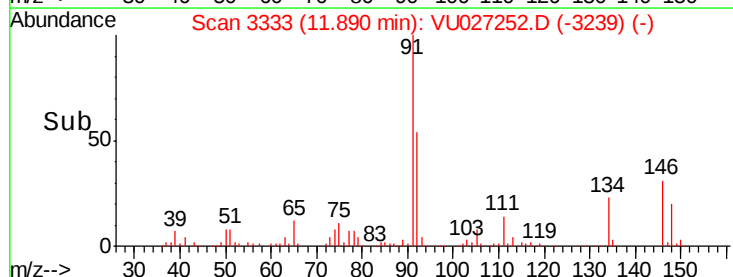
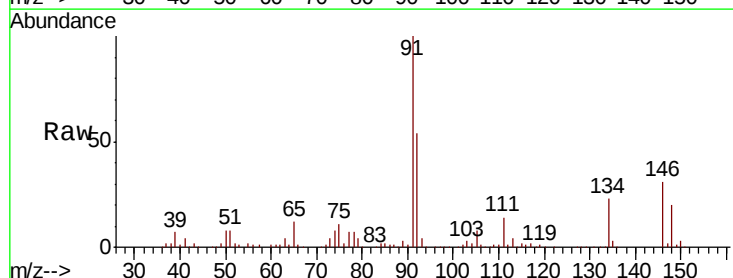
RT: 11.89 min Scan# 3333

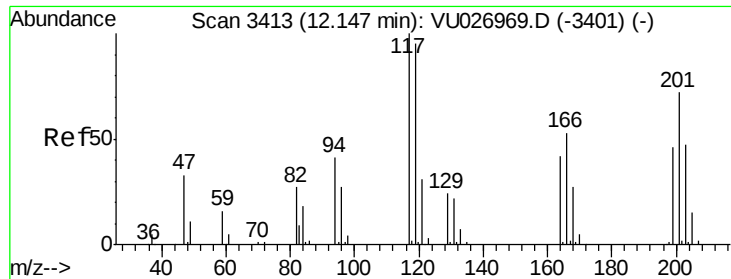
Delta R.T. 0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Tgt Ion:	91	Resp:	238200
Ion Ratio	Lower	Upper	
91	100		
92	53.5	27.1	81.2
134	22.8	11.7	35.0





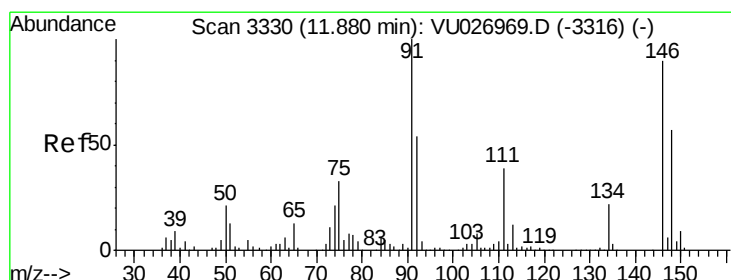
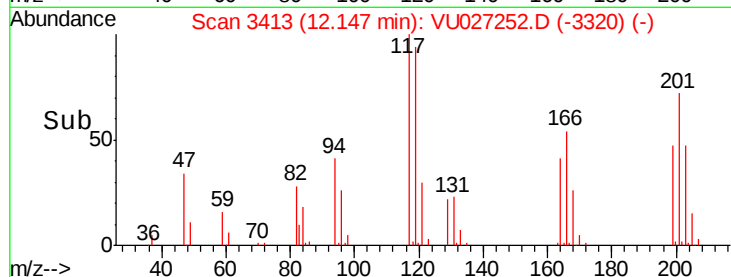
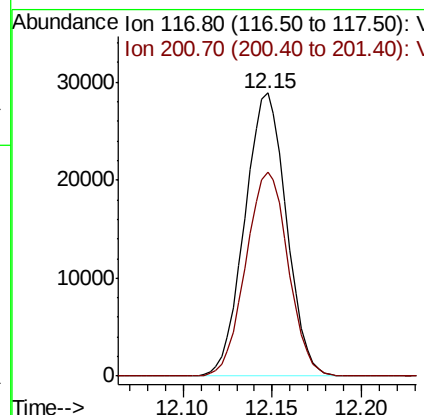
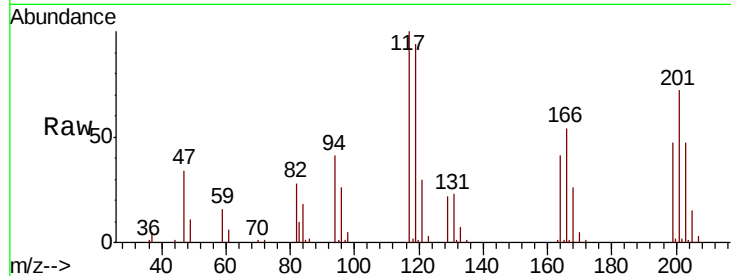
#90
Hexachloroethane
Concen: 47.470 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

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

Tot Ion:117 Resp: 47139
Ion Ratio Lower Upper
117 100
201 73.3 36.8 110.3

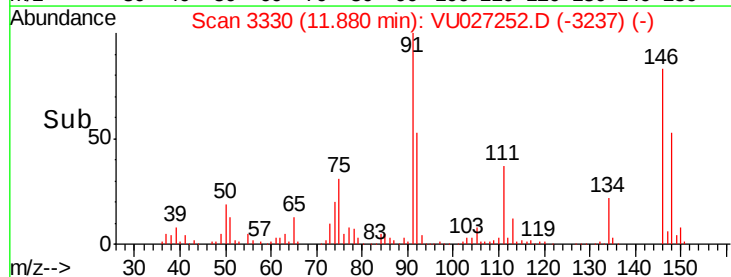
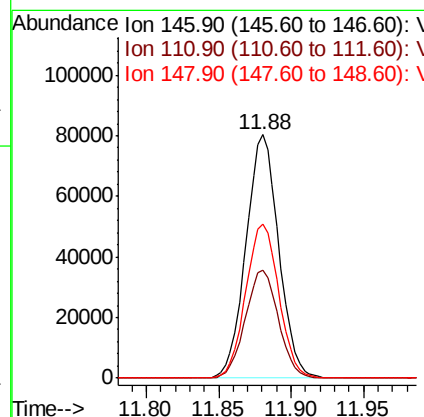
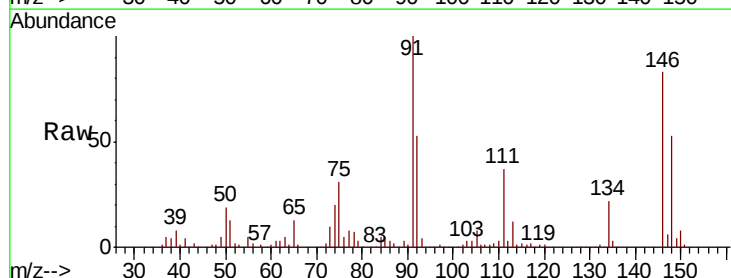
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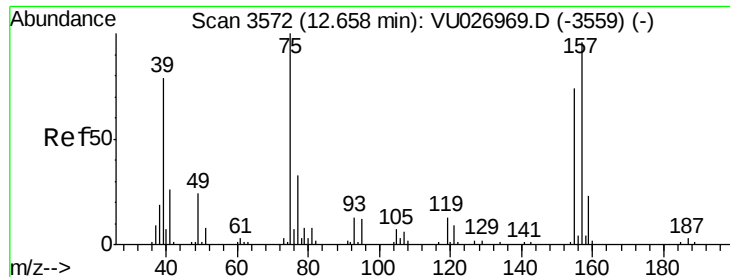
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#91
1,2-Dichlorobenzene
Concen: 47.767 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU027252.D
Acq: 28 Sep 2018 02:25

Tgt Ion:146 Resp: 126477
Ion Ratio Lower Upper
146 100
111 44.7 21.8 65.3
148 63.9 31.9 95.7





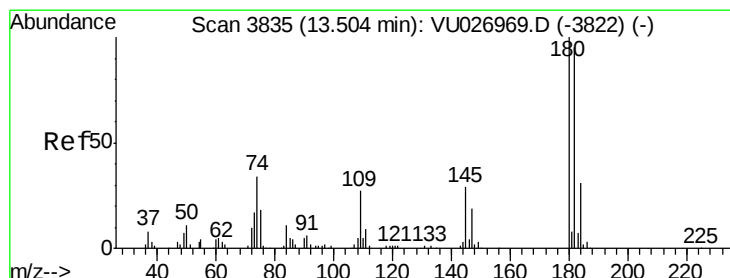
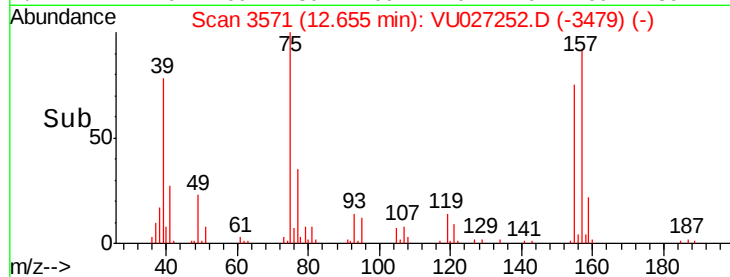
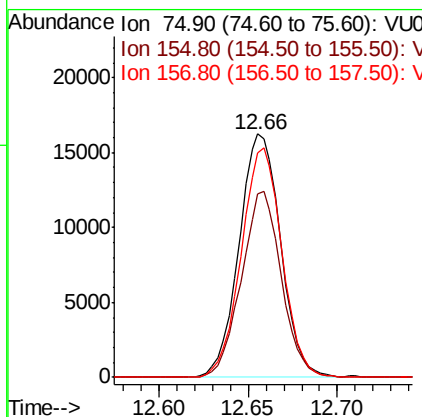
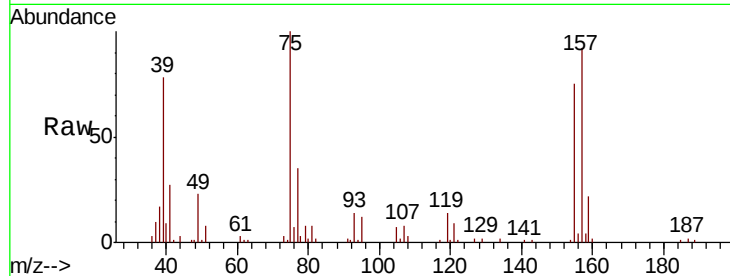
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.251 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

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

Tot Ion	Ratio	Lower	Upper
75	100		
155	73.6	36.6	109.8
157	92.1	47.4	142.2

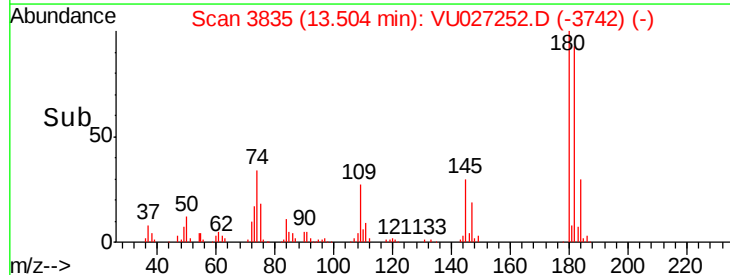
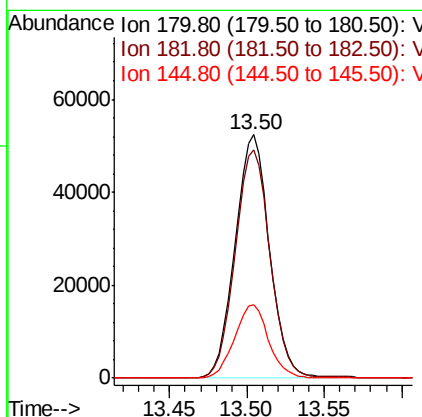
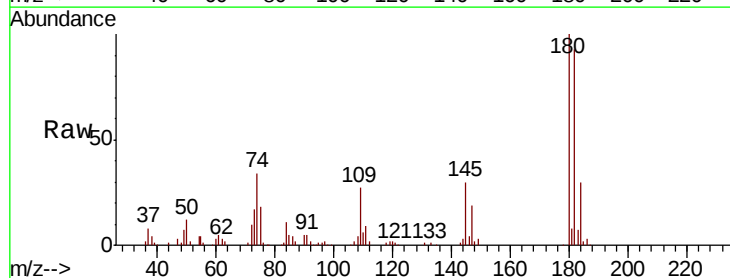
Manual Integrations
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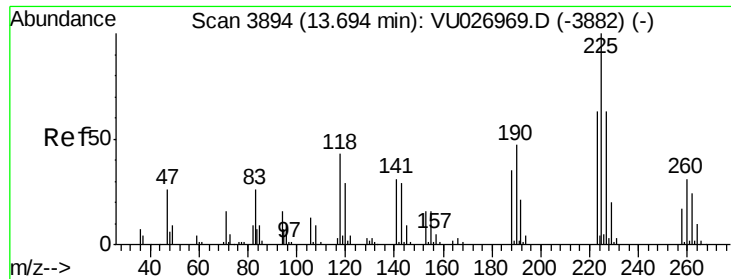
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 10/2/2018 1:07:17 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 52.901 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.2
145	29.8	14.9	44.5





#94

Hexachlorobutadiene

Concen: 48.910 ug/l

RT: 13.69 min Scan# 3894

Delta R.T. 0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Instrument :

MSVOA_U

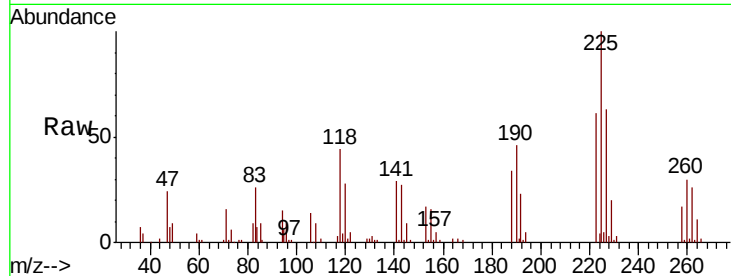
ClientSampleId :

BPSI-TT-MW311I-20180919MSD

Tot Ion:	225	Resp:	39487
Ion Ratio		Lower	Upper
225	100		
223	61.2	31.9	95.7
227	63.1	32.1	96.5

Manual Integrations
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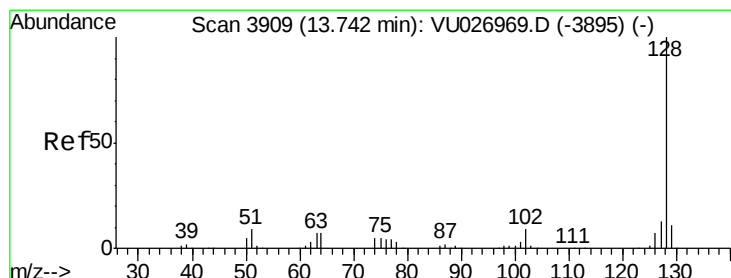
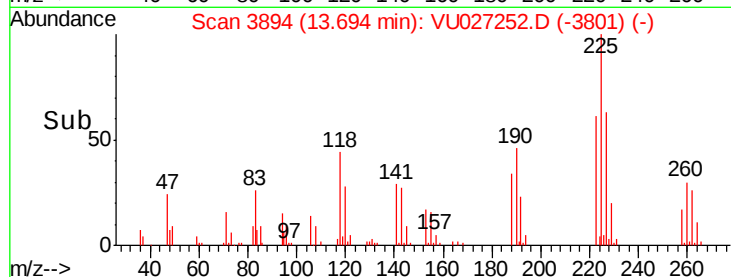
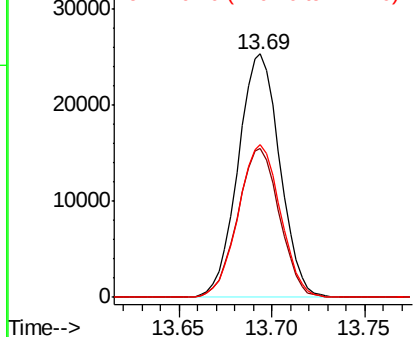


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 48.723 ug/l

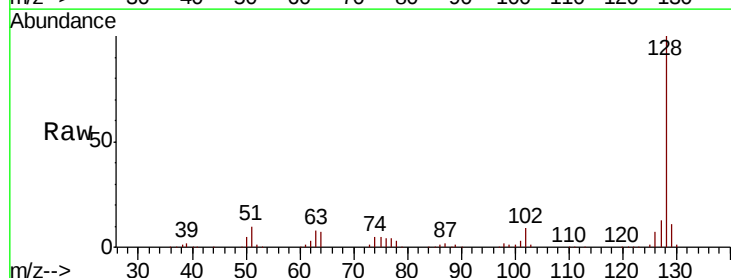
RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027252.D

Acq: 28 Sep 2018 02:25

Tgt Ion:	128	Resp:	290407
Ion Ratio		Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.7	8.6	12.8

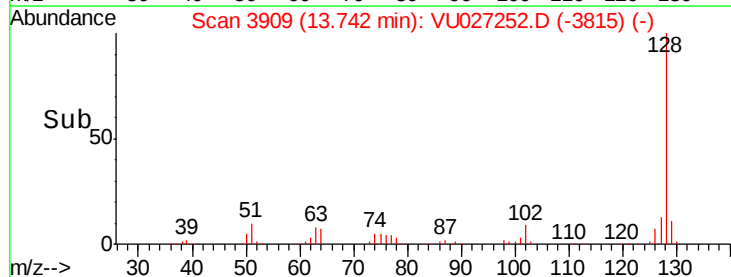
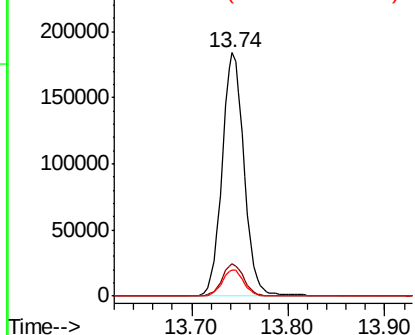


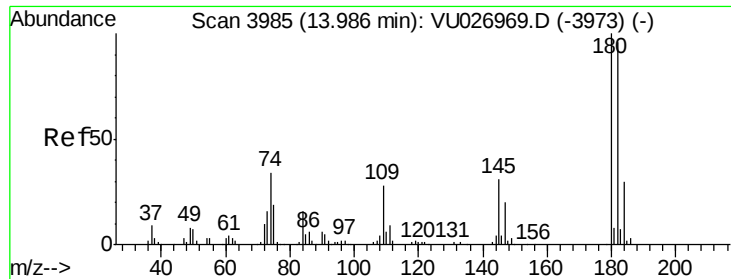
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





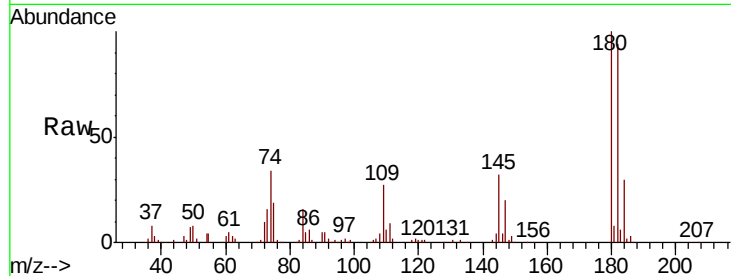
#96
 1,2,3-Trichlorobenzene
 Concen: 52.975 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU027252.D
 Acq: 28 Sep 2018 02:25

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

Tot Ion:	180	Resp:	86682
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.5	142.5
145	31.8	15.4	46.4

Manual Integrations
 APPROVED

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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

