

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092318\
 Data File : VU027043.D
 Acq On : 23 Sep 2018 02:38
 Operator : MD/SY
 Sample : VU0923WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 85 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0923WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 4:40:30 PM

Quant Time: Sep 24 06:09:10 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	4.99	168	80373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	140025	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	136109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71538	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	84607	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
35) Dibromofluoromethane	4.88	113	59486	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	7.57	98	229123	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	10.31	95	79156	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	20003	19.062	ug/l	99
3) Chloromethane	1.33	50	33541	18.539	ug/l	99
4) Vinyl Chloride	1.40	62	32226	19.082	ug/l	99
5) Bromomethane	1.62	94	17922	18.635	ug/l	99
6) Chloroethane	1.70	64	21514	19.938	ug/l	97
7) Trichlorofluoromethane	1.89	101	37932	19.776	ug/l	99
8) Diethyl Ether	2.11	74	18048	19.548	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.29	101	22298	18.906	ug/l	98
10) Methyl Iodide	2.41	142	22611	15.458	ug/l	99
11) Tert butyl alcohol	2.82	59	37483	101.094	ug/l	99
12) 1,1-Dichloroethene	2.29	96	22335	20.120	ug/l	96
13) Acrolein	2.20	56	19403	97.077	ug/l	98
14) Allyl chloride	2.59	41	46377	20.598	ug/l	99
15) Acrylonitrile	2.94	53	96688	103.466	ug/l	99
16) Acetone	2.32	43	86404	89.932	ug/l	99
17) Carbon Disulfide	2.48	76	67648	18.707	ug/l	99
18) Methyl Acetate	2.62	43	48900	21.238	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	86240	21.141	ug/l	99
20) Methylene Chloride	2.70	84	28007	19.332	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	23773	20.058	ug/l	96
22) Diisopropyl ether	3.58	45	108080	22.443	ug/l	98
23) Vinyl Acetate	3.53	43	445644	108.560	ug/l	99
24) 1,1-Dichloroethane	3.45	63	54759	20.646	ug/l	99
25) 2-Butanone	4.26	43	135979	100.025	ug/l	97
26) 2,2-Dichloropropane	4.23	77	33600	16.244	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	27818	20.784	ug/l	100
28) Bromochloromethane	4.55	49	28621	22.386	ug/l	94
29) Tetrahydrofuran	4.64	42	88728	107.893	ug/l	97
30) Chloroform	4.67	83	49761	20.212	ug/l	98
31) Cyclohexane	5.00	56	49811	20.319	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	40270	20.486	ug/l	98
36) 1,1-Dichloropropene	5.14	75	36886	19.738	ug/l	99
37) Ethyl Acetate	4.38	43	49655	19.628	ug/l	98
38) Carbon Tetrachloride	5.13	117	34483	19.390	ug/l	99

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Manual Integrations
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Quant Time: Sep 24 06:09:10 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)
39) Methylcyclohexane	6.42	83	38908	19.158	ug/l	98
40) Benzene	5.39	78	112731	19.843	ug/l	99
41) Methacrylonitrile	4.55	41	27353	20.819	ug/l	97
42) 1,2-Dichloroethane	5.40	62	43655	20.339	ug/l	98
43) Isopropyl Acetate	5.55	43	77303	20.952	ug/l	98
44) Trichloroethene	6.19	130	23372	19.324	ug/l	94
45) 1,2-Dichloropropane	6.43	63	33057	20.421	ug/l	98
46) Dibromomethane	6.56	93	19028	19.463	ug/l	98
47) Bromodichloromethane	6.76	83	38421	19.436	ug/l	99
48) Methyl methacrylate	6.62	41	37903	19.505	ug/l	98
49) 1,4-Dioxane	6.62	88	14725	368.138	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	259639	104.634	ug/l	99
52) Toluene	7.64	92	66774	20.505	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	41497	19.538	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	45477	19.474	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	28003	20.295	ug/l	98
56) Ethyl methacrylate	8.02	69	43063	19.391	ug/l	98
57) 1,3-Dichloropropane	8.24	76	53159	20.714	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	125289	95.280	ug/l	97
59) 2-Hexanone	8.36	43	195123	100.455	ug/l	97
60) Dibromochloromethane	8.48	129	26883	19.862	ug/l	99
61) 1,2-Dibromoethane	8.59	107	28341	19.741	ug/l	100
64) Tetrachloroethene	8.23	164	20538	19.582	ug/l	95
65) Chlorobenzene	9.12	112	68339	18.936	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	24729	19.894	ug/l	99
67) Ethyl Benzene	9.25	91	119465	20.131	ug/l	98
68) m/p-Xylenes	9.38	106	89581	38.214	ug/l	100
69) o-Xylene	9.78	106	42311	20.123	ug/l	99
70) Styrene	9.79	104	69836	18.954	ug/l	100
71) Bromoform	9.96	173	18546	19.293	ug/l #	100
73) Isopropylbenzene	10.17	105	115755	21.271	ug/l	100
74) N-amyl acetate	10.02	43	65200	20.699	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	47806	19.107	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	42839m	19.711	ug/l	
77) Bromobenzene	10.45	156	27067	20.354	ug/l	98
78) n-propylbenzene	10.59	91	136690	21.229	ug/l	100
79) 2-Chlorotoluene	10.66	91	84138	20.803	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	95776	21.321	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	11826m	17.414	ug/l	
82) 4-Chlorotoluene	10.77	91	95055	20.960	ug/l	99
83) tert-Butylbenzene	11.10	119	89761	20.211	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	97589	21.347	ug/l	100
85) sec-Butylbenzene	11.32	105	115192	21.248	ug/l	100
86) p-Isopropyltoluene	11.48	119	94970	19.250	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	48256	19.500	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	49808	18.468	ug/l	99
89) n-Butylbenzene	11.89	91	83658	18.546	ug/l	99
90) Hexachloroethane	12.15	117	18892	19.163	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	48705	18.529	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10096	19.780	ug/l	96

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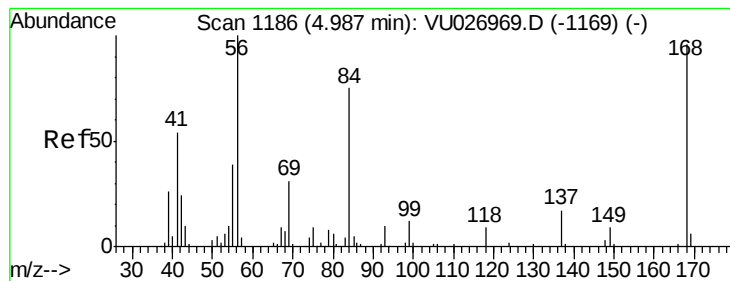
Manual Integrations
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9/24/2018 4:40:30 PM

Quant Time: Sep 24 06:09:10 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	13.50	180	29321	19.356	ug/l	99
94) Hexachlorobutadiene	13.69	225	15016	18.735	ug/l	100
95) Naphthalene	13.74	128	103054	18.501	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	32482	19.996	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS01

Tot Ion:168 Resp: 80373

Ion Ratio Lower Upper

168 100

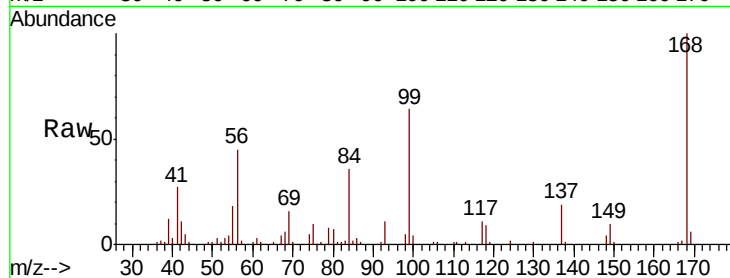
99 62.9 48.1 72.1

Manual Integrations

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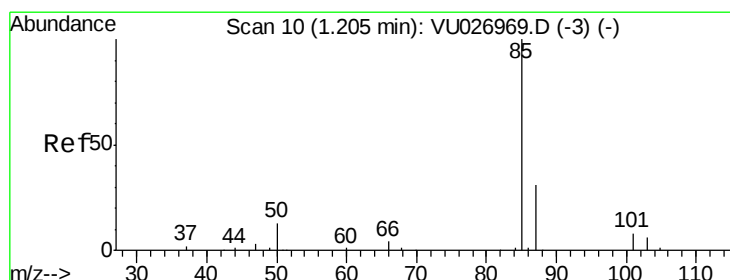
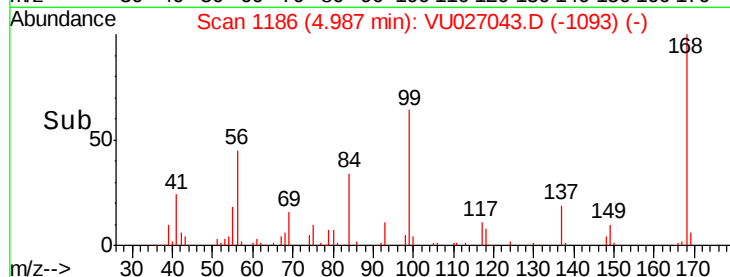
Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

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

4.99

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.062 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027043.D

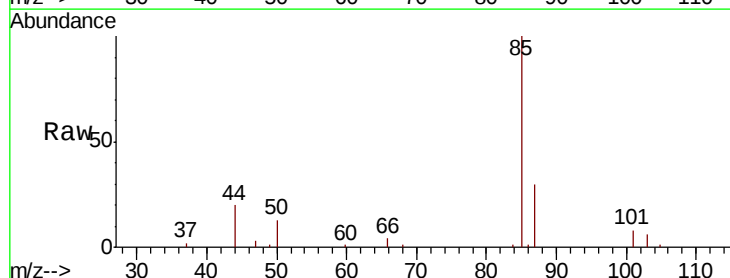
Acq: 23 Sep 2018 02:38

Tgt Ion: 85 Resp: 20003

Ion Ratio Lower Upper

85 100

87 30.4 15.6 46.7



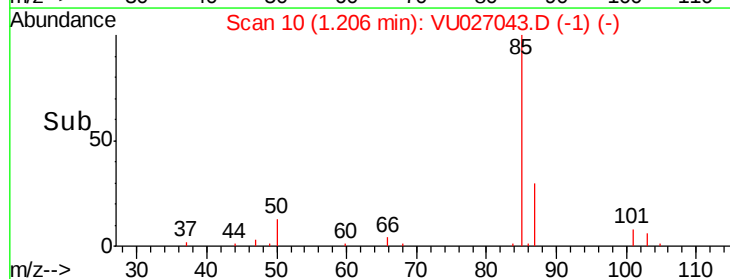
Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

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

1.21

1.20 1.25

Time-->





#3

Chloromethane

Concen: 18.539 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS01

Tot Ion: 50 Resp: 33541

Ion Ratio Lower Upper

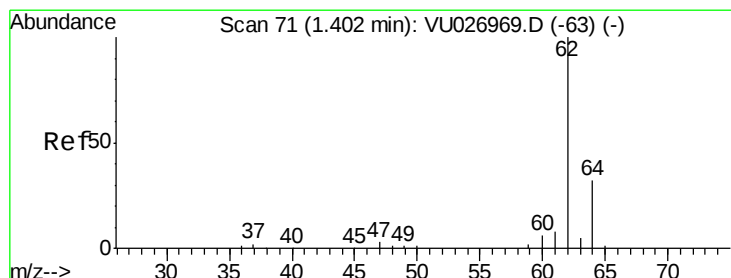
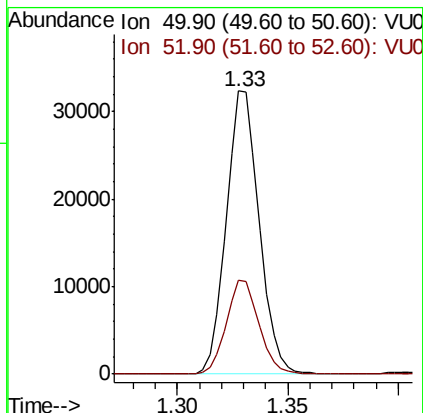
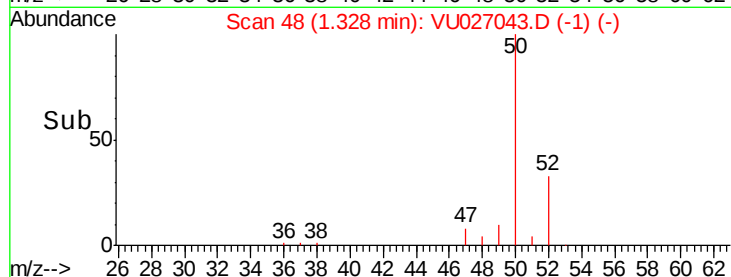
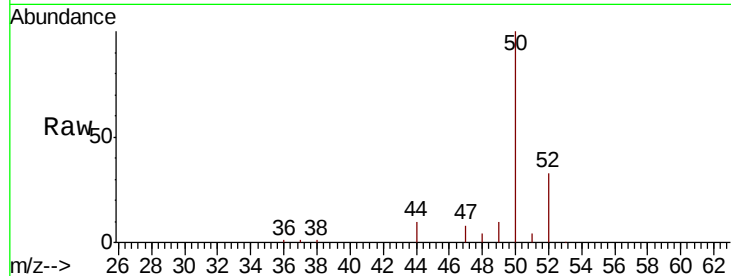
50 100

52 33.1 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.082 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027043.D

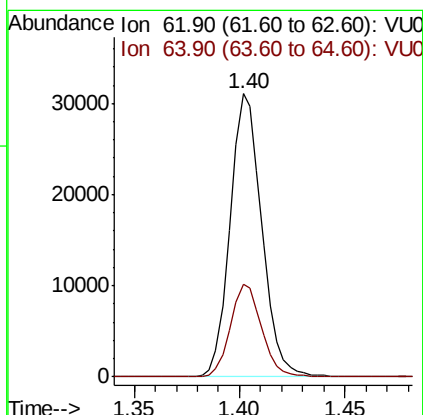
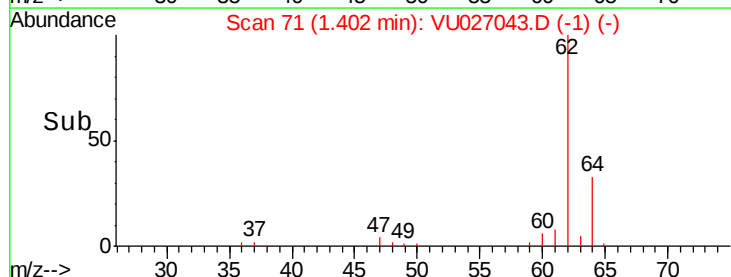
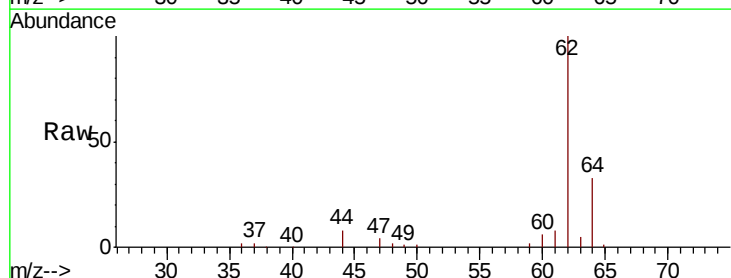
Acq: 23 Sep 2018 02:38

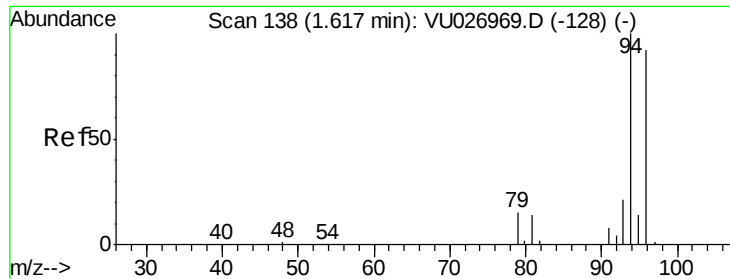
Tgt Ion: 62 Resp: 32226

Ion Ratio Lower Upper

62 100

64 32.6 25.5 38.3





#5

Bromomethane

Concen: 18.635 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS01

Tot Ion: 94 Resp: 17922

Ion Ratio Lower Upper

94 100

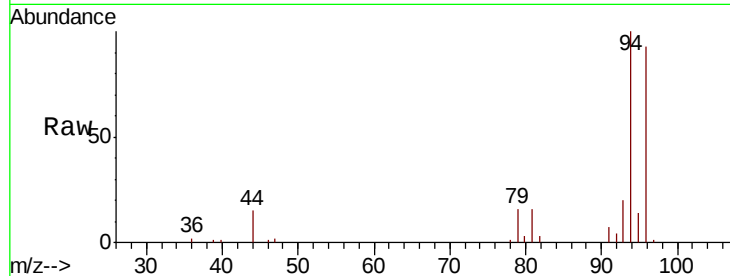
96 92.7 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

15000

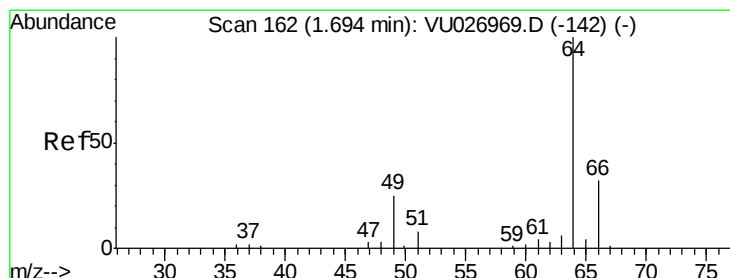
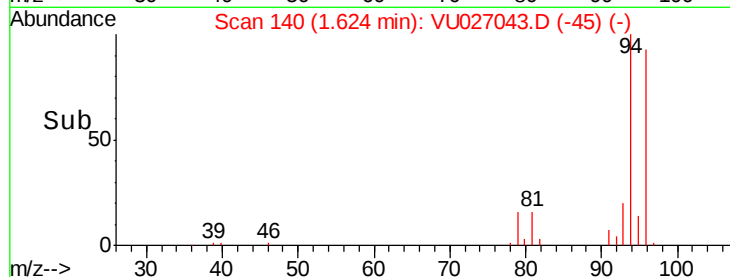
10000

5000

0

1.60 1.65

Time-->



#6

Chloroethane

Concen: 19.938 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027043.D

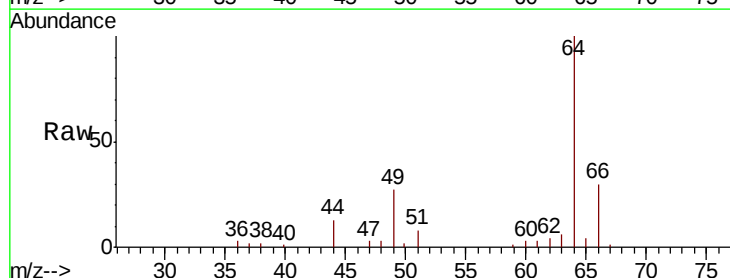
Acq: 23 Sep 2018 02:38

Tgt Ion: 64 Resp: 21514

Ion Ratio Lower Upper

64 100

66 29.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

15000

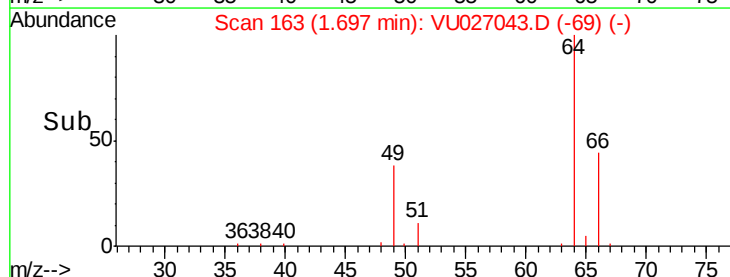
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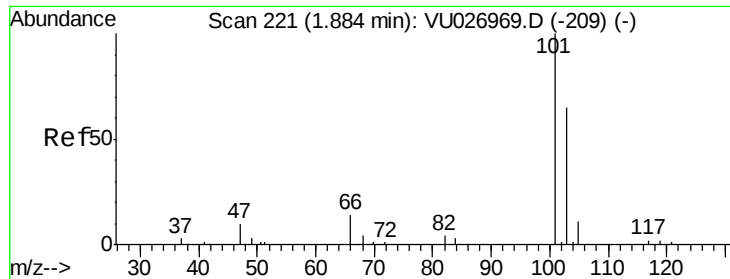
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0

1.65 1.70 1.75

Time-->





#7

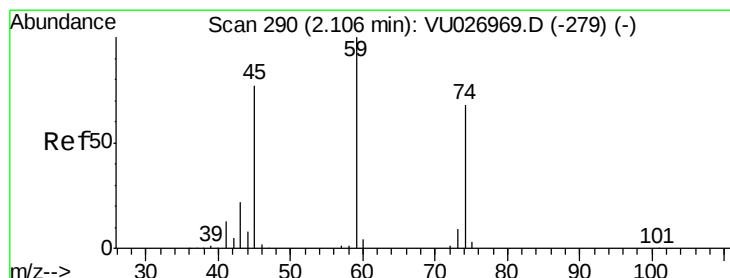
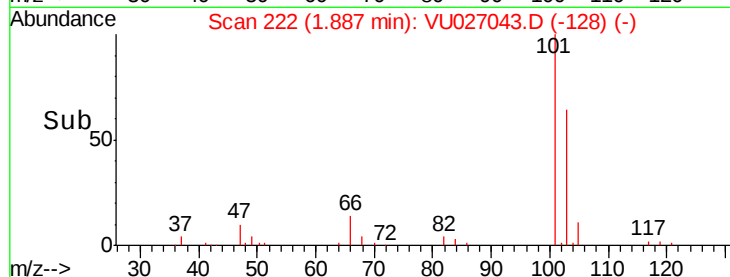
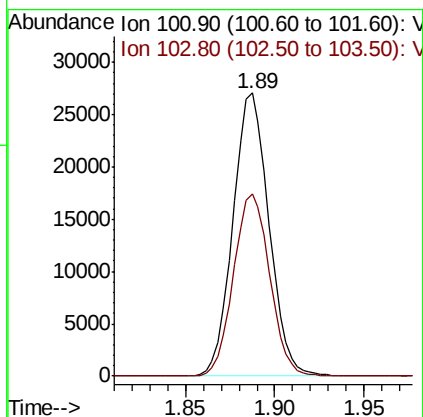
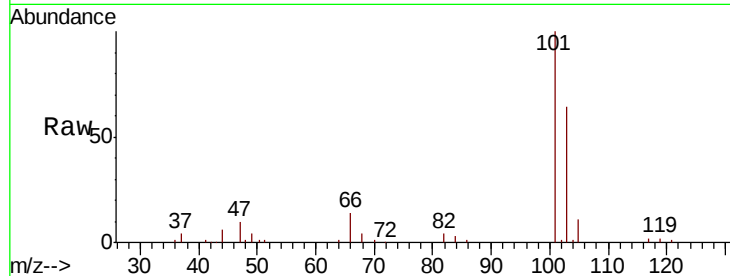
Trichlorofluoromethane
 Concen: 19.776 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU027043.D
 Acq: 23 Sep 2018 02:38

Instrument :
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 ClientSampleId :
 VU0923WBS01

Tot Ion:101 Resp: 37932
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.2 78.2

Manual Integrations
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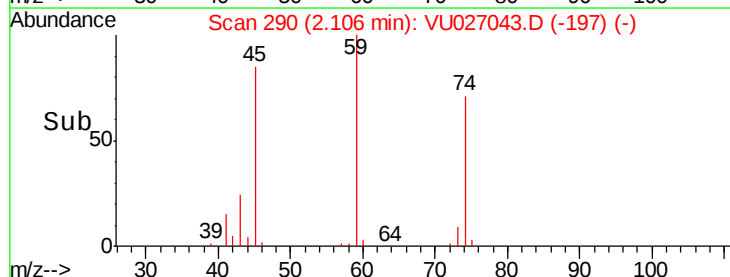
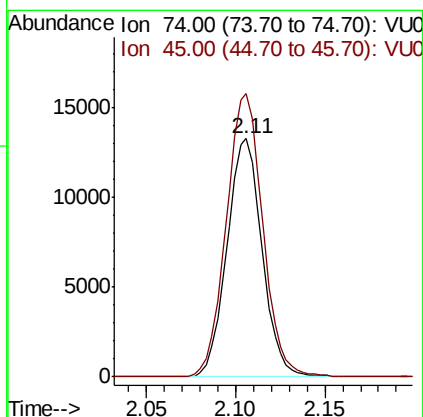
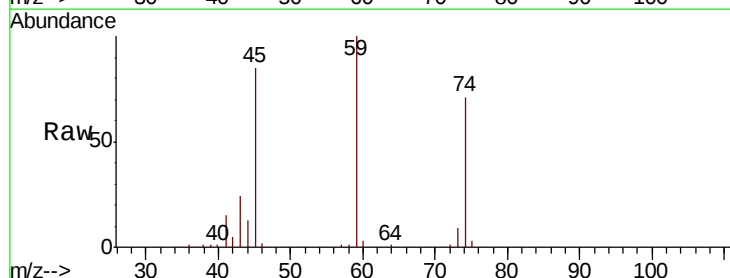
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#8

Diethyl Ether
 Concen: 19.548 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VU027043.D
 Acq: 23 Sep 2018 02:38

Tgt Ion: 74 Resp: 18048
 Ion Ratio Lower Upper
 74 100
 45 123.8 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.906 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Instrument :

MSVOA_U

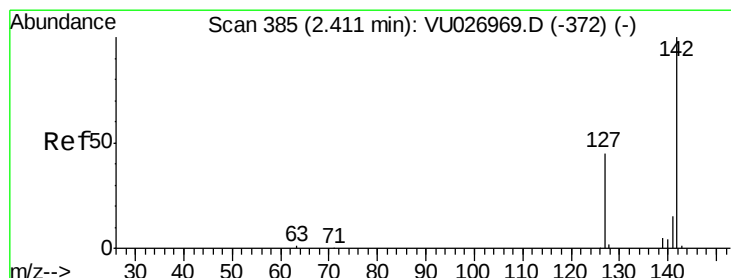
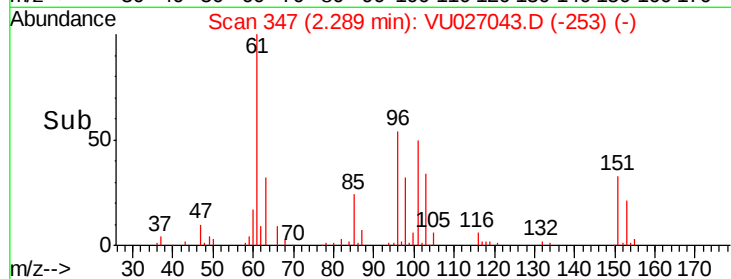
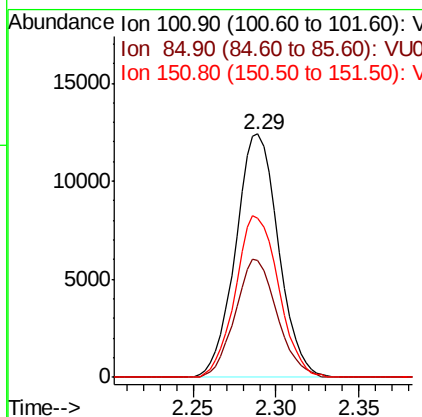
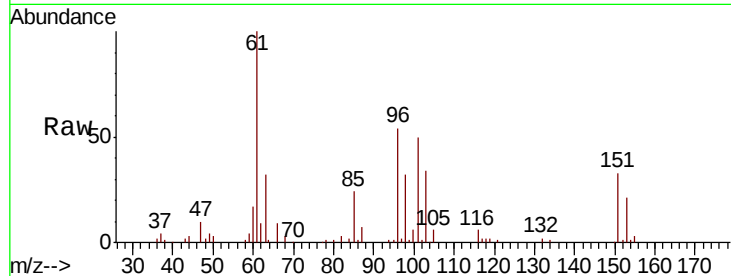
ClientSampleId :

VU0923WBS01

Tot Ion:	101	Resp:	22298
Ion Ratio	Lower	Upper	
101	100		
85	47.3	36.2	54.2
151	66.8	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 15.458 ug/l

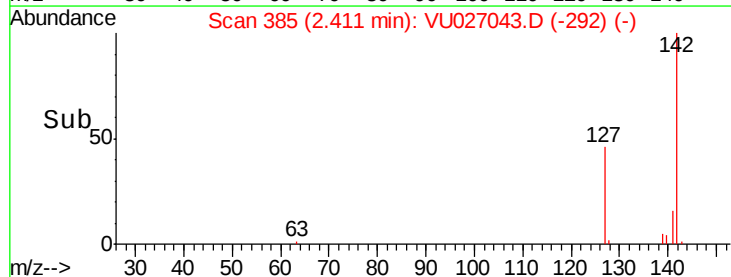
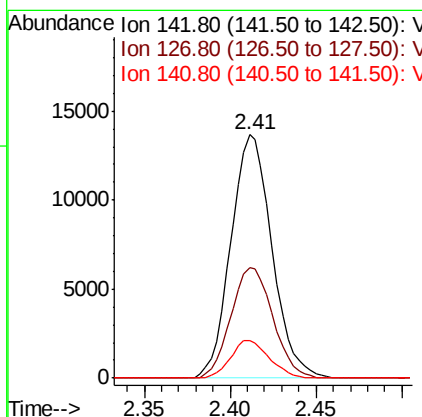
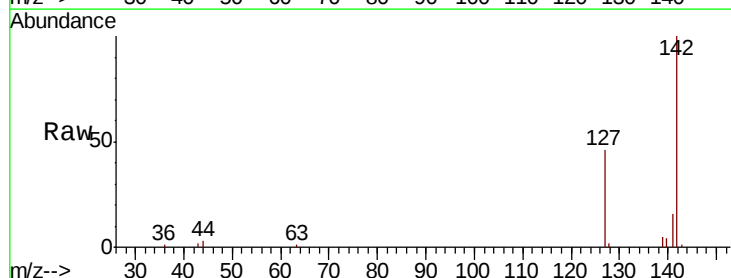
RT: 2.41 min Scan# 385

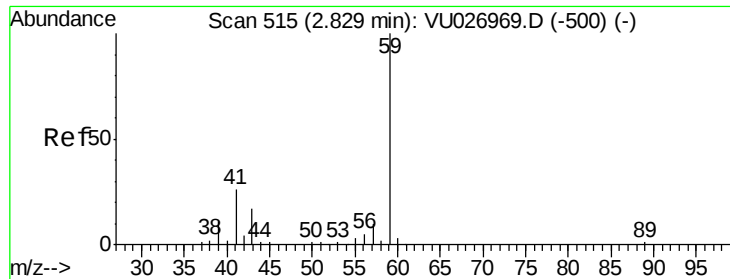
Delta R.T. 0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Tgt Ion:	142	Resp:	22611
Ion Ratio	Lower	Upper	
142	100		
127	46.2	36.7	55.1
141	14.5	11.8	17.6





#11

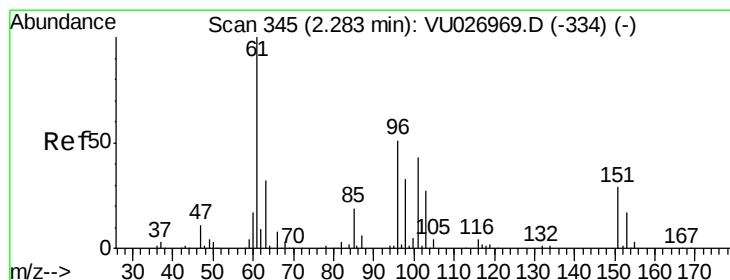
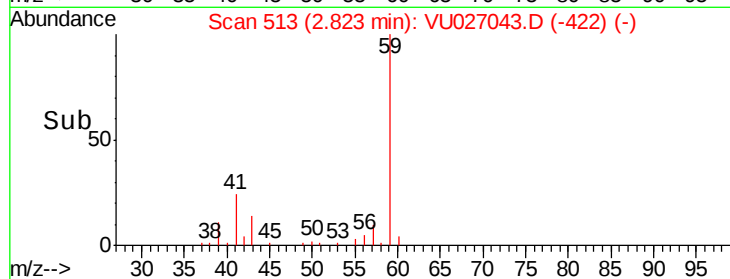
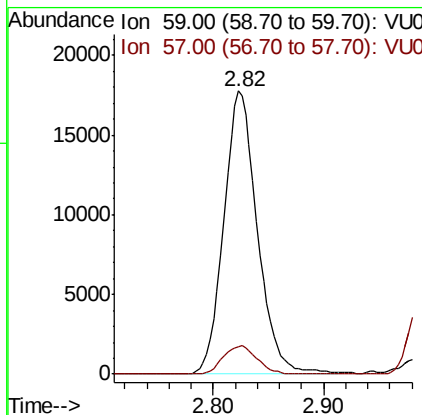
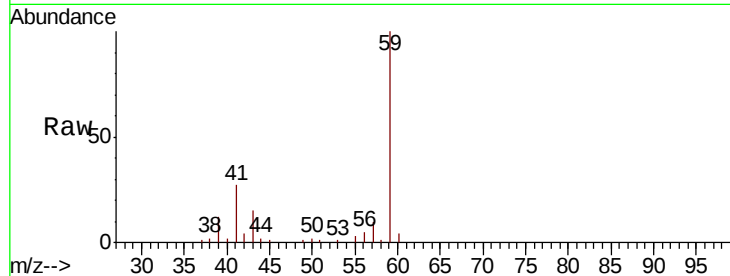
Tert butyl alcohol
 Concen: 101.094 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU027043.D
 Acq: 23 Sep 2018 02:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0923WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.5	12.7

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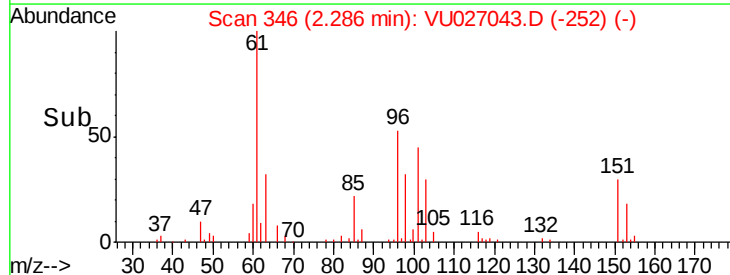
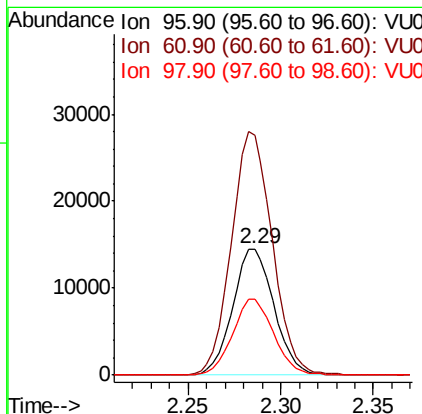
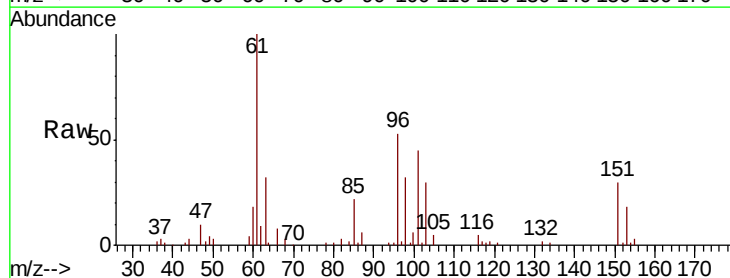
MMDadoda
 9/24/2018 4:40:30 PM

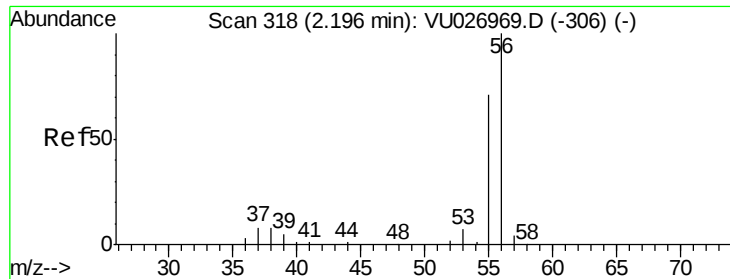


#12

1,1-Dichloroethene
 Concen: 20.120 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU027043.D
 Acq: 23 Sep 2018 02:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.2	156.1	234.1
98	60.1	51.4	77.0





#13

Acrolein

Concen: 97.077 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS01

Tot Ion: 56 Resp: 19403

Ion Ratio Lower Upper

56 100

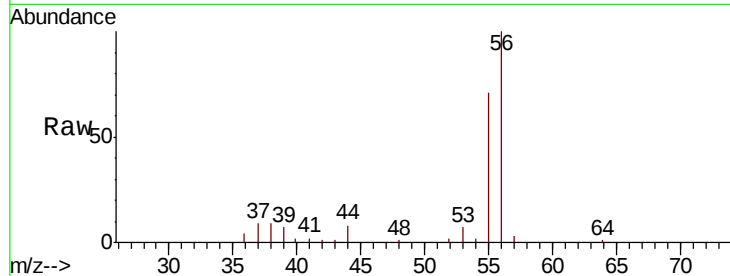
55 69.8 57.1 85.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU026969.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU026969.D (-306) (-)

15000

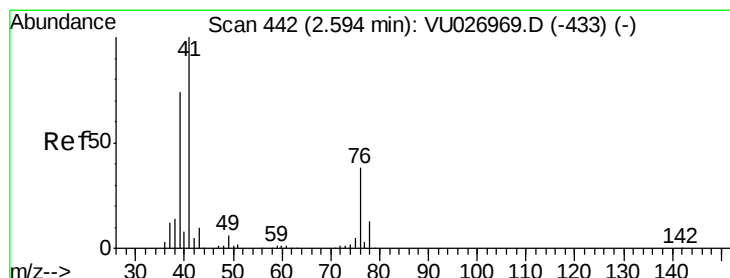
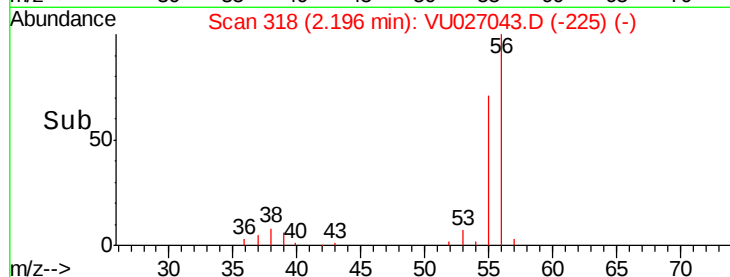
2.20

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 20.598 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

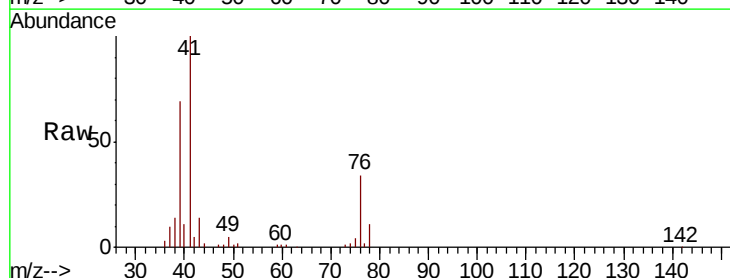
Tgt Ion: 41 Resp: 46377

Ion Ratio Lower Upper

41 100

39 70.6 55.7 83.5

76 33.0 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VU026969.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU026969.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU026969.D (-433) (-)

30000

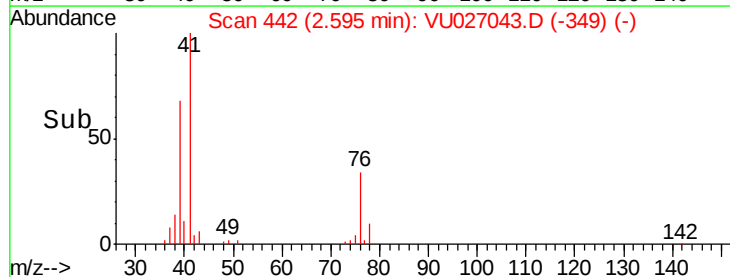
2.59

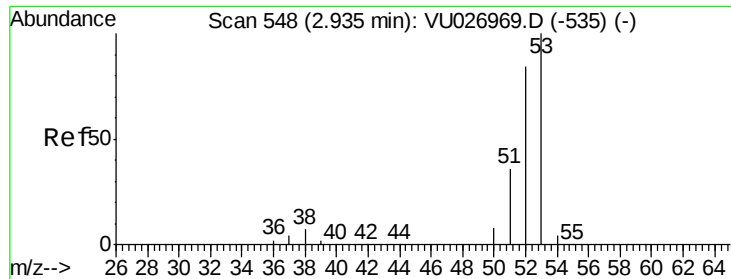
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 103.466 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Instrument :

MSVOA_U

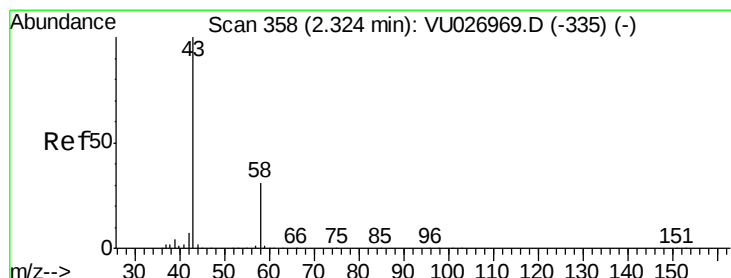
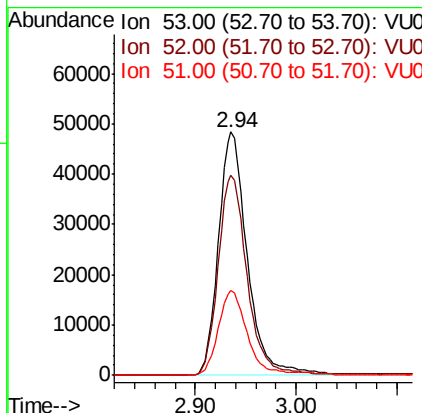
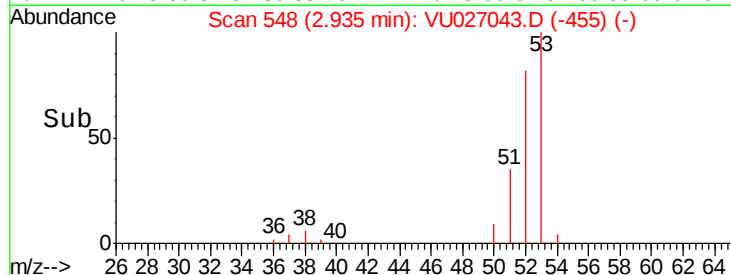
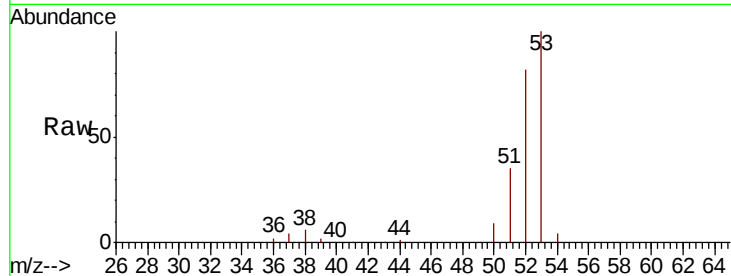
ClientSampleId :

VU0923WBS01

Tot Ion:	53	Resp:	96688
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.7	98.5
51	35.5	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 89.932 ug/l

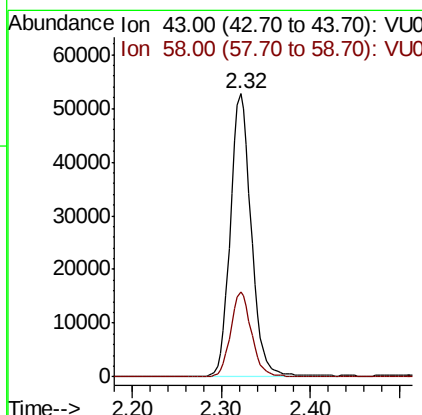
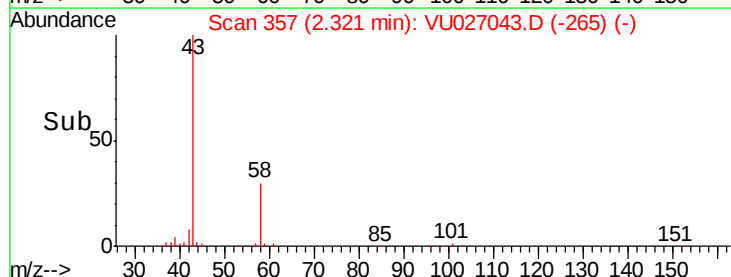
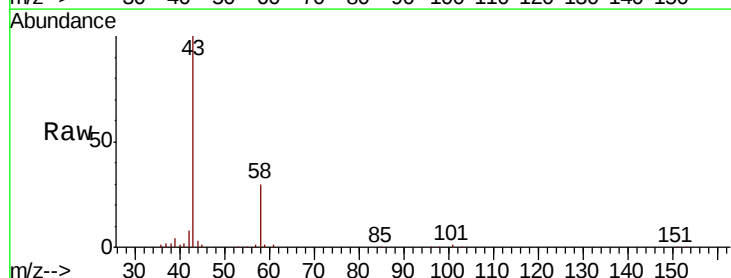
RT: 2.32 min Scan# 357

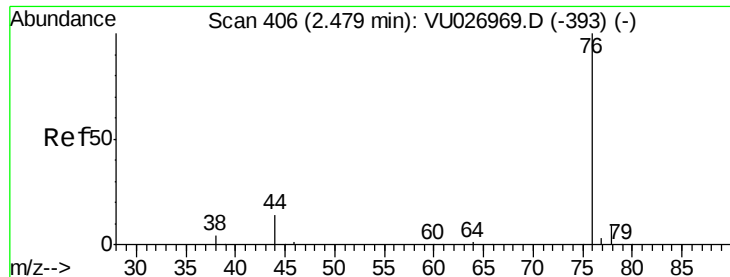
Delta R.T. -0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Tgt Ion:	43	Resp:	86404
Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.6	36.8





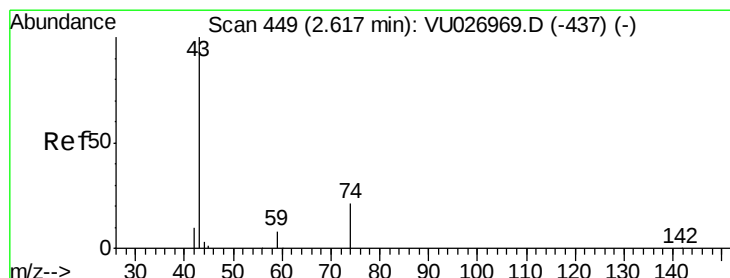
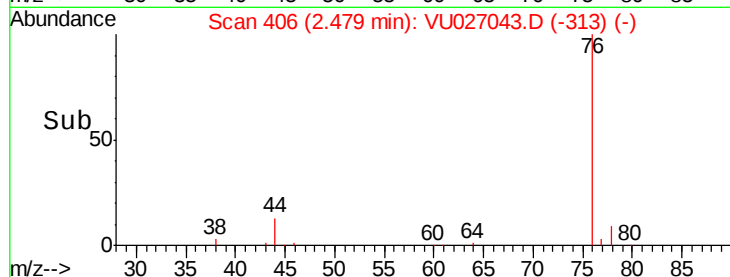
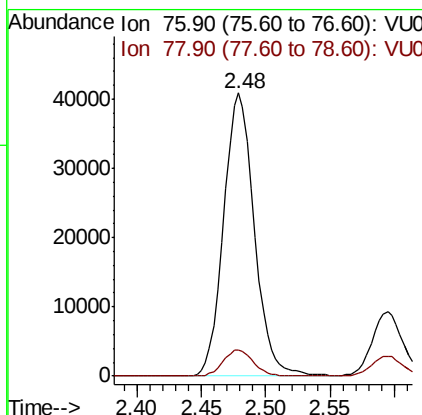
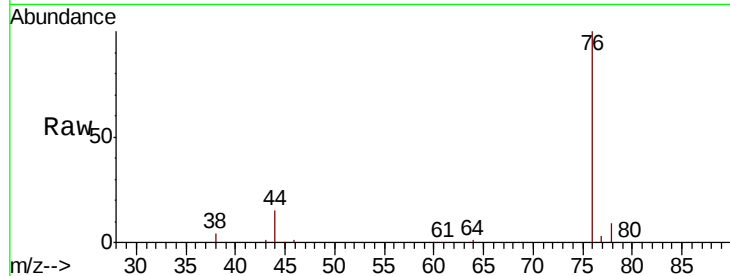
#17
Carbon Disulfide
Concen: 18.707 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS01

Tot Ion: 76 Resp: 67648
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7

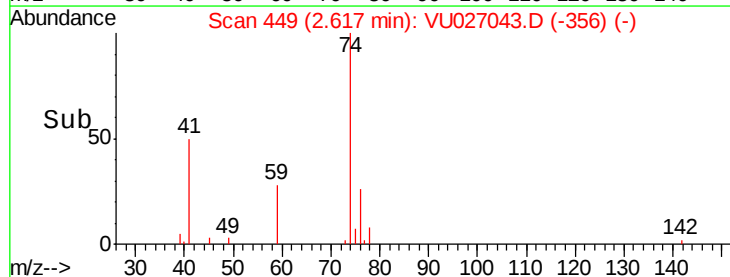
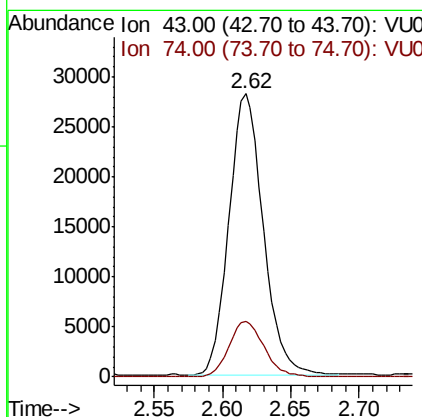
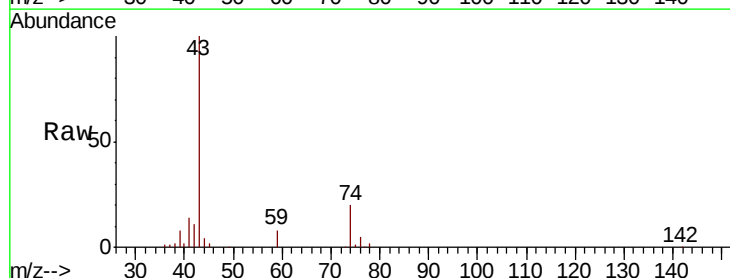
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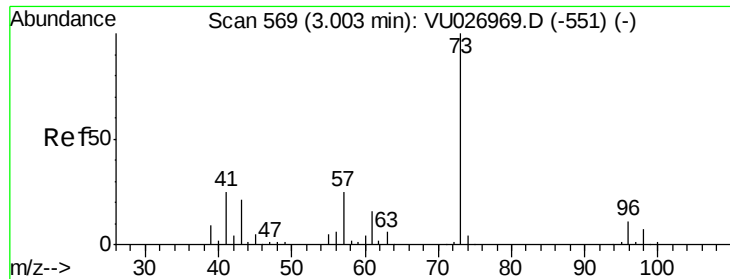
MMDadoda
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#18
Methyl Acetate
Concen: 21.238 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Tgt Ion: 43 Resp: 48900
Ion Ratio Lower Upper
43 100
74 20.3 16.6 25.0





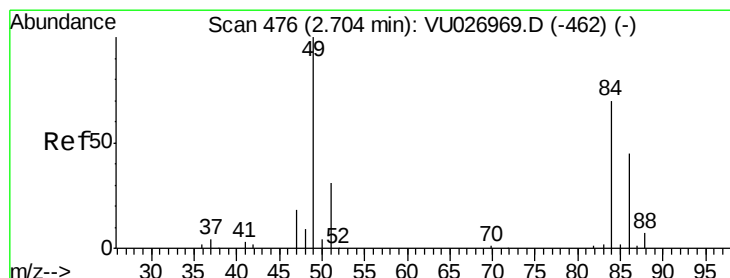
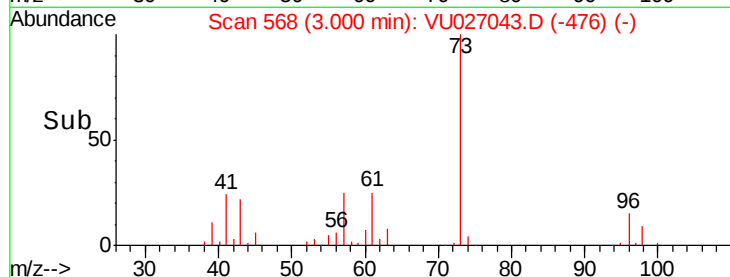
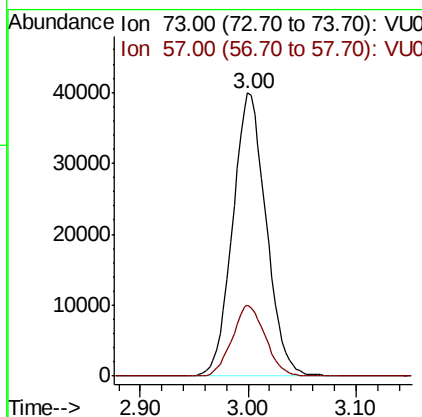
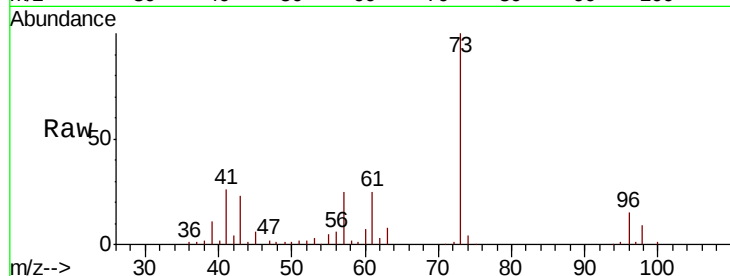
#19
Methvl tert-butvl Ether
Concen: 21.141 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.2	19.8	29.6

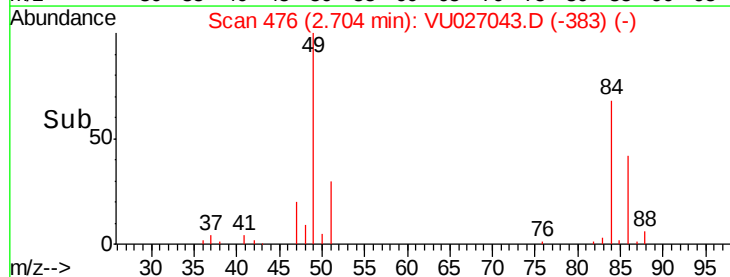
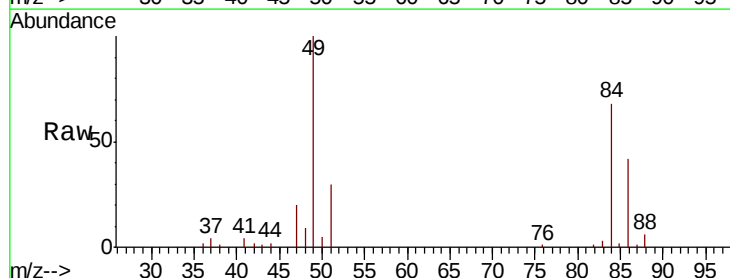
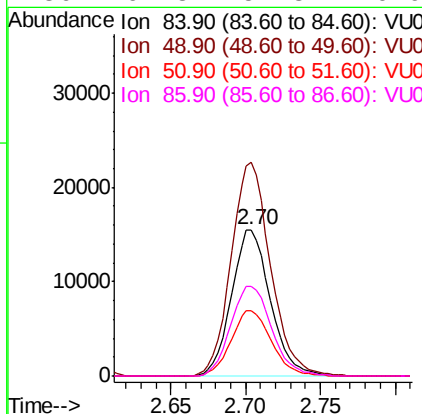
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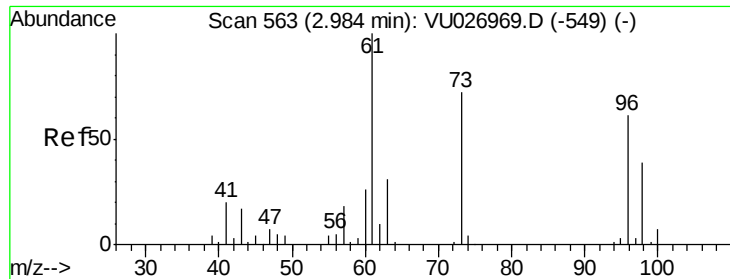
MMDadoda
9/24/2018 4:40:30 PM



#20
Methylene Chloride
Concen: 19.332 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.2	114.9	172.3
51	44.5	35.8	53.8
86	61.8	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 20.058 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS01

Tot Ion: 96 Resp: 23773

Ion Ratio Lower Upper

96 100

61 158.9 131.8 197.6

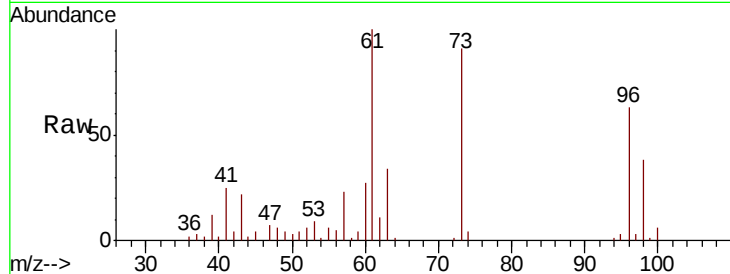
98 60.4 50.9 76.3

Manual Integrations

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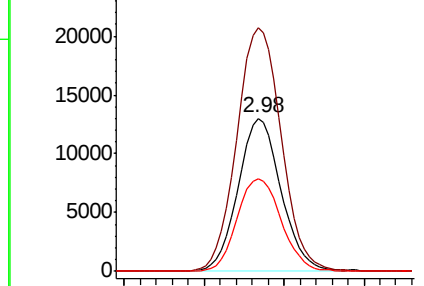
9/24/2018 4:40:30 PM



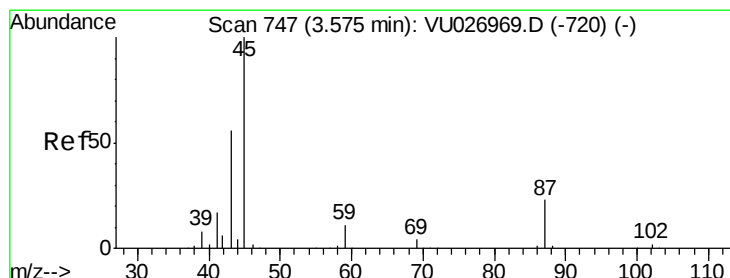
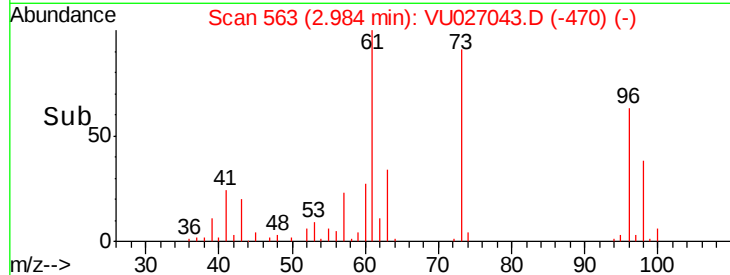
Abundance Ion 95.90 (95.60 to 96.60): VU027043.D (-470) (-)

Ion 60.90 (60.60 to 61.60): VU027043.D (-470) (-)

Ion 97.90 (97.60 to 98.60): VU027043.D (-470) (-)



Time-->



#22

Diisopropyl ether

Concen: 22.443 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Tgt Ion: 45 Resp: 108080

Ion Ratio Lower Upper

45 100

43 58.7 45.8 68.6

87 21.2 18.6 28.0

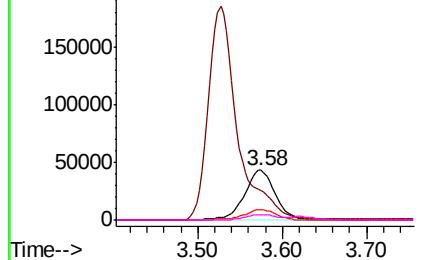
59 11.3 9.0 13.4

Abundance Ion 45.00 (44.70 to 45.70): VU027043.D (-654) (-)

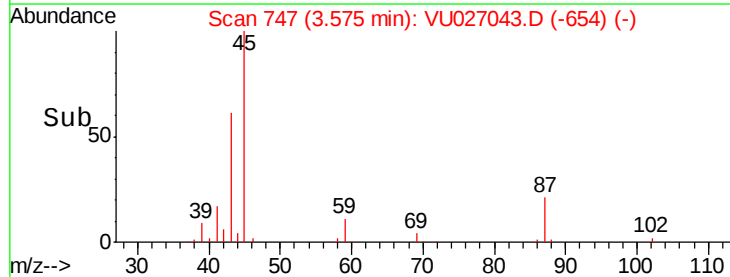
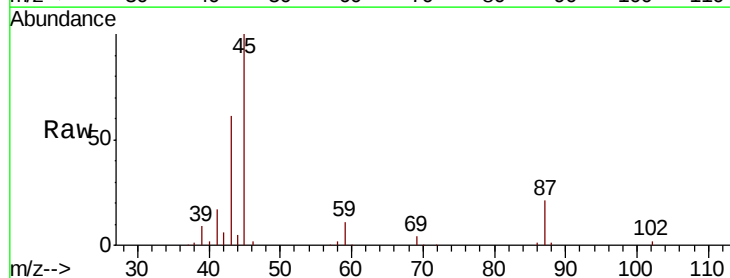
Ion 43.00 (42.70 to 43.70): VU027043.D (-654) (-)

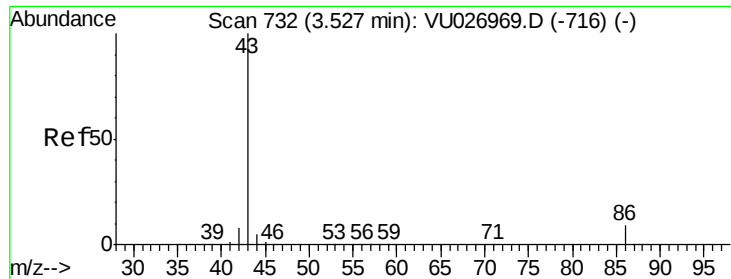
Ion 87.00 (86.70 to 87.70): VU027043.D (-654) (-)

Ion 59.00 (58.70 to 59.70): VU027043.D (-654) (-)



Time-->





#23

Vinyl Acetate

Concen: 108.560 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS01

Tot Ion: 43 Resp: 445644

Ion Ratio Lower Upper

43 100

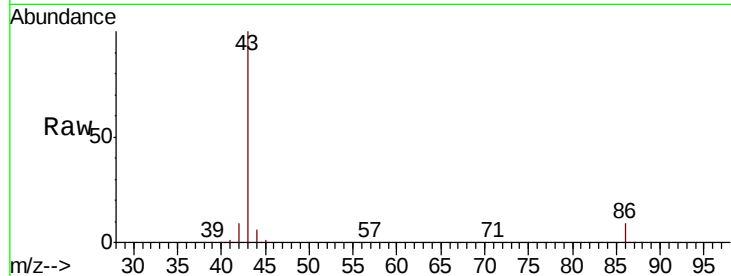
86 8.7 7.2 10.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

200000

150000

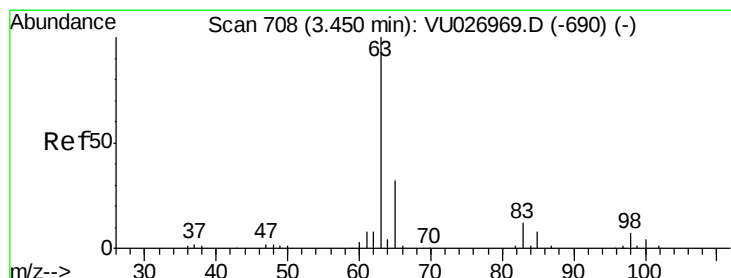
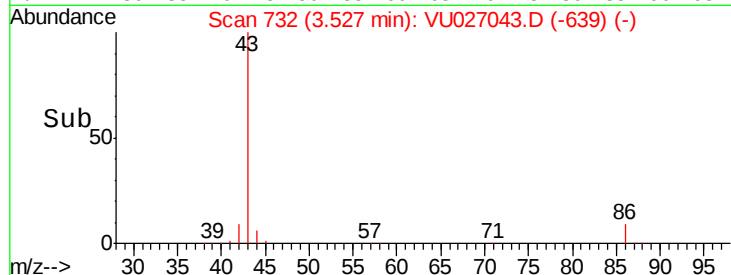
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 20.646 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

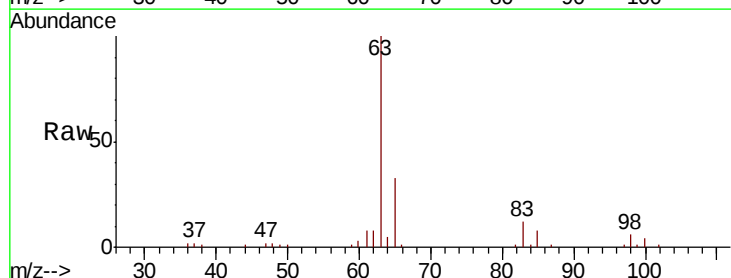
Tgt Ion: 63 Resp: 54759

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

100 3.6 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

30000

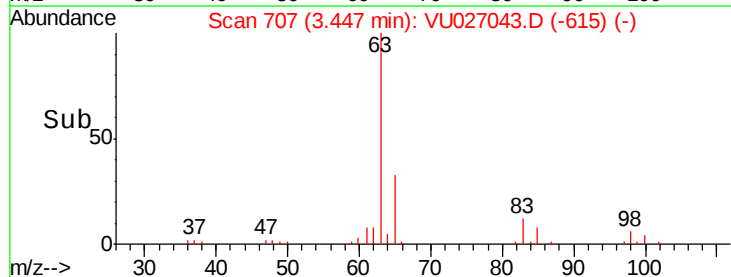
20000

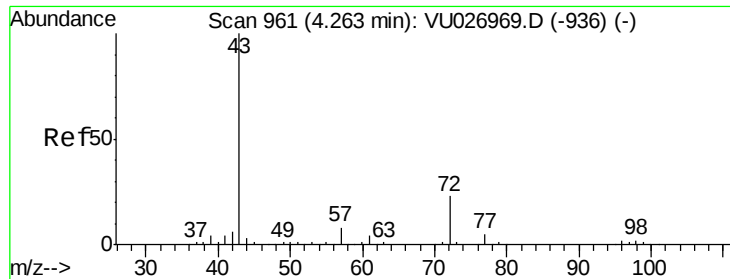
10000

0

3.35 3.40 3.45 3.50 3.55

Time-->





#25

2-Butanone

Concen: 100.025 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS01

Tot Ion: 43 Resp: 135979

Ion Ratio Lower Upper

43 100

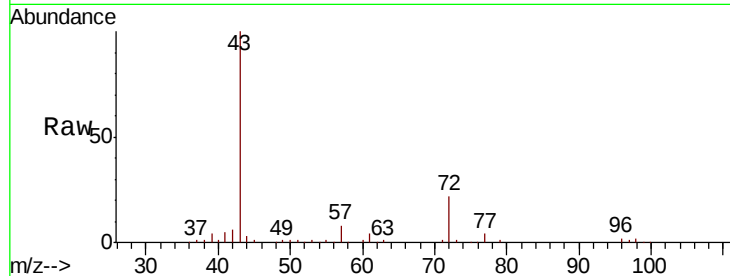
72 21.6 18.4 27.6

Manual Integrations

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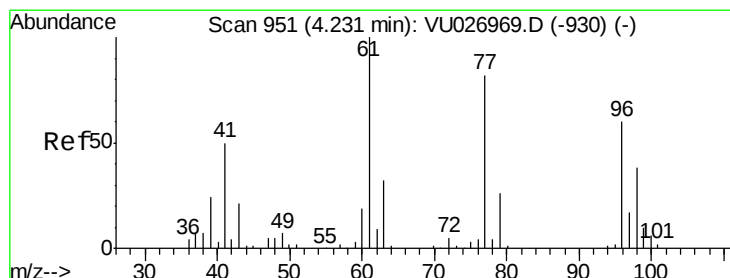
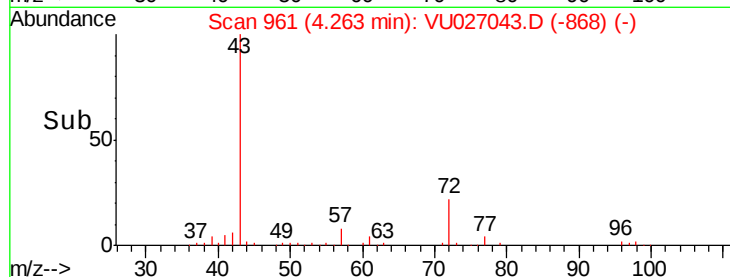
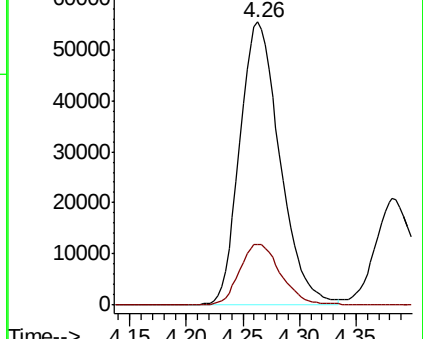
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 16.244 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027043.D

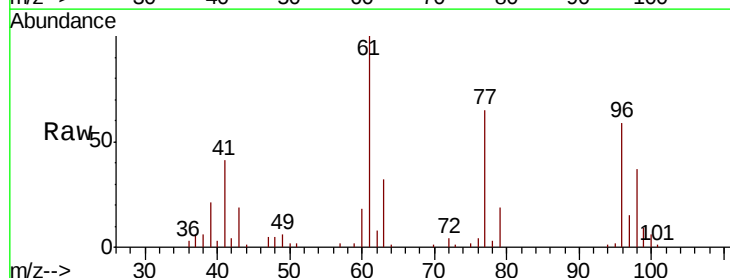
Acq: 23 Sep 2018 02:38

Tgt Ion: 77 Resp: 33600

Ion Ratio Lower Upper

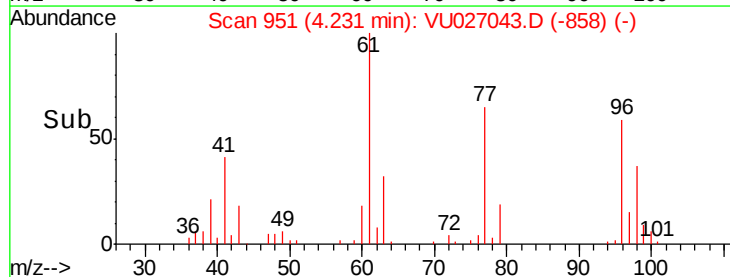
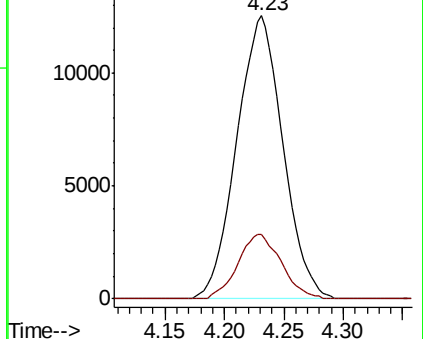
77 100

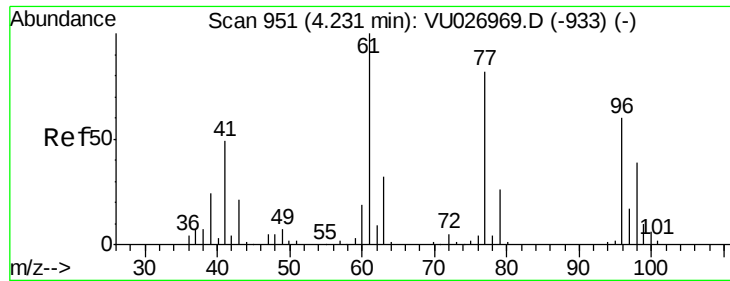
97 21.4 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





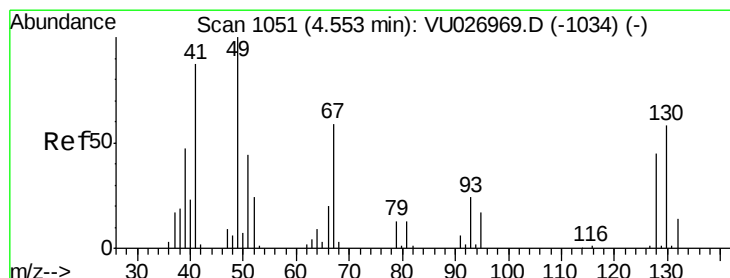
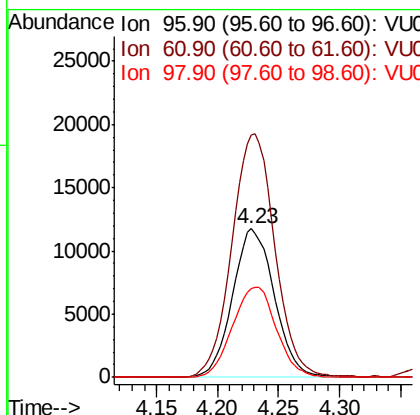
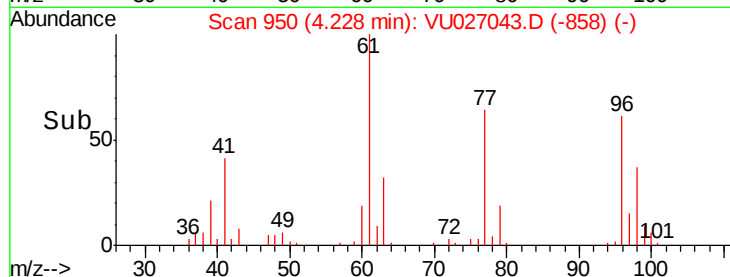
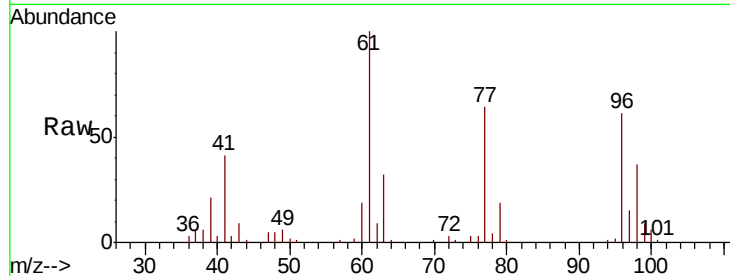
#27
 cis-1,2-Dichloroethene
 Concen: 20.784 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027043.D
 Acq: 23 Sep 2018 02:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0923WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	27818		
61	168.8		0.0	337.2
98	63.4		0.0	127.6

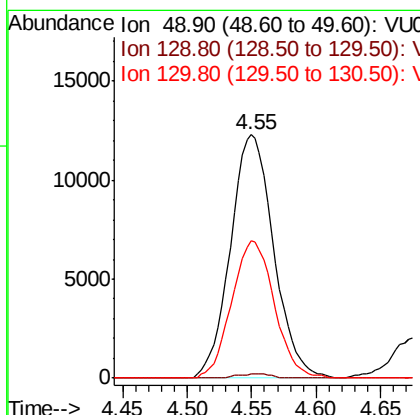
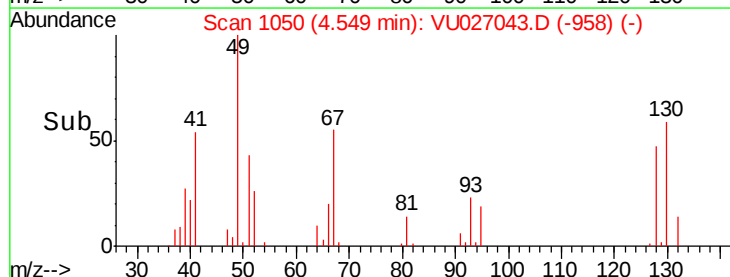
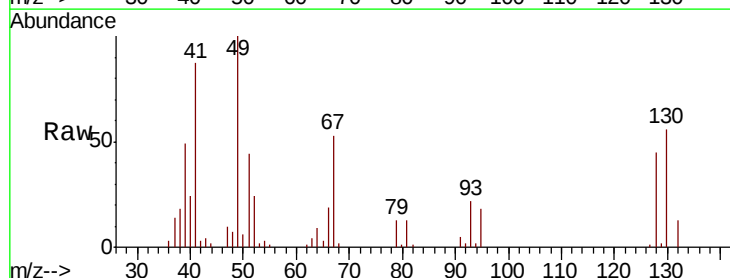
Manual Integrations
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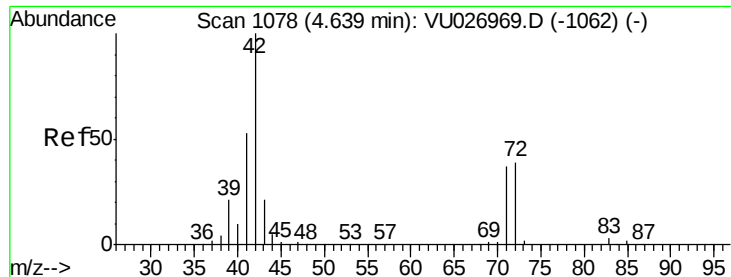
MMDadoda
 9/24/2018 4:40:30 PM



#28
 Bromochloromethane
 Concen: 22.386 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027043.D
 Acq: 23 Sep 2018 02:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	28621		
129	1.3		0.0	3.0
130	55.5		47.8	71.8





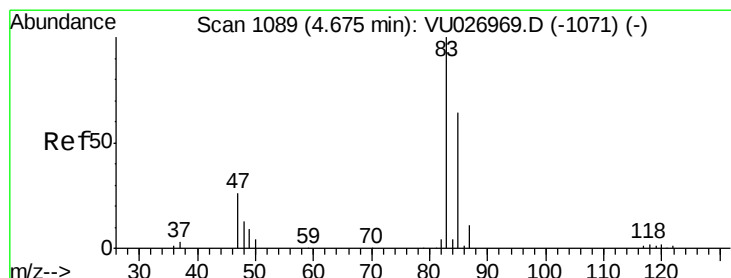
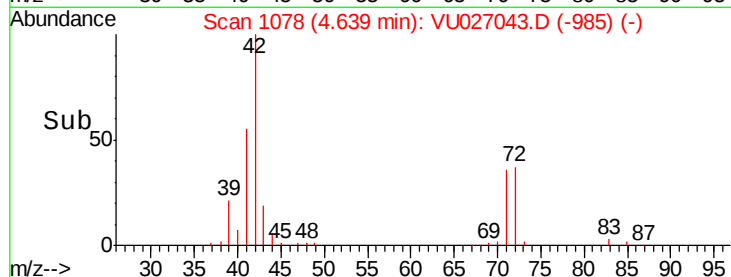
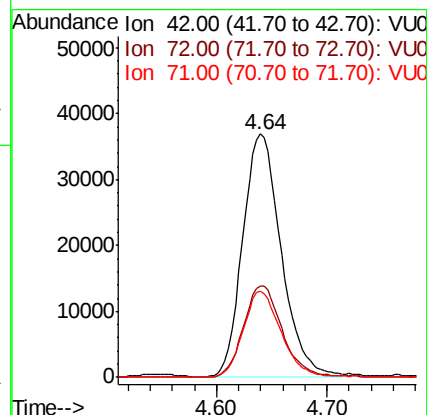
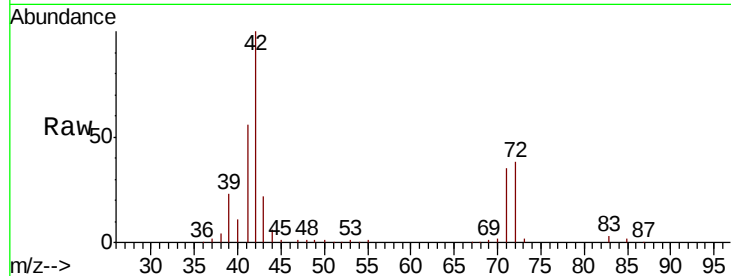
#29
Tetrahydrofuran
Concen: 107.893 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.3	31.7	47.5
71	34.9	29.6	44.4

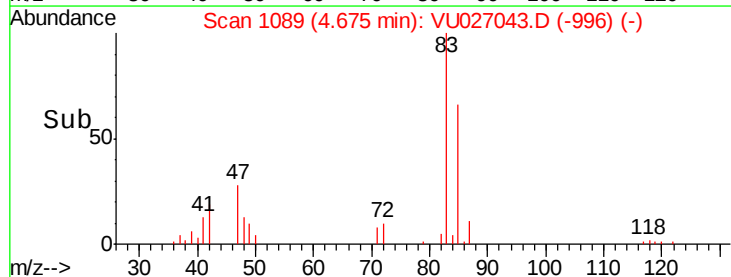
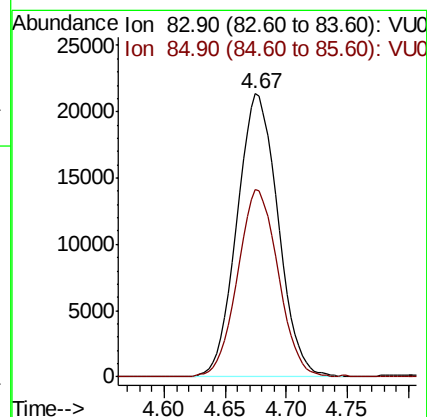
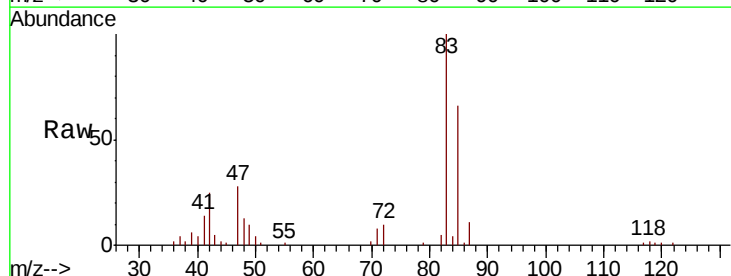
Manual Integrations
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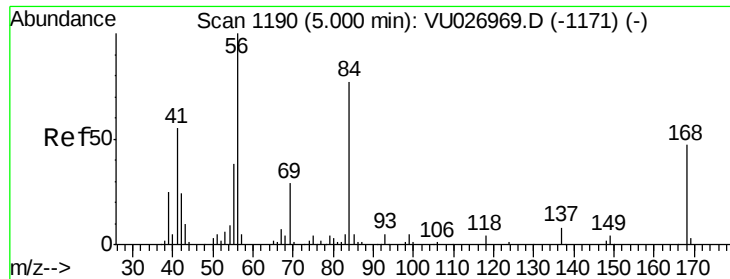
MMDadoda
9/24/2018 4:40:30 PM



#30
Chloroform
Concen: 20.212 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.5	77.3





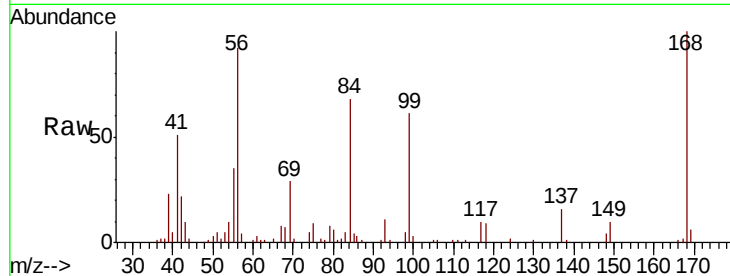
#31
Cyclohexane
Concen: 20.319 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Instrument :
MSVOA_U
ClientSampled :
VU0923WBS01

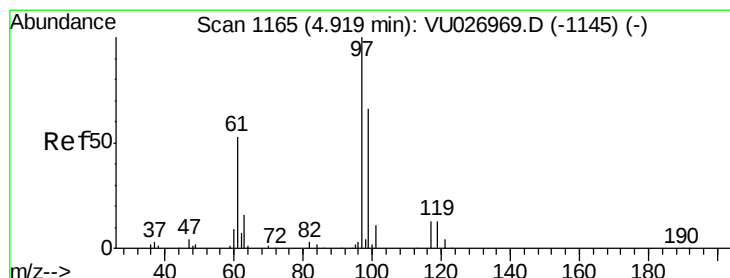
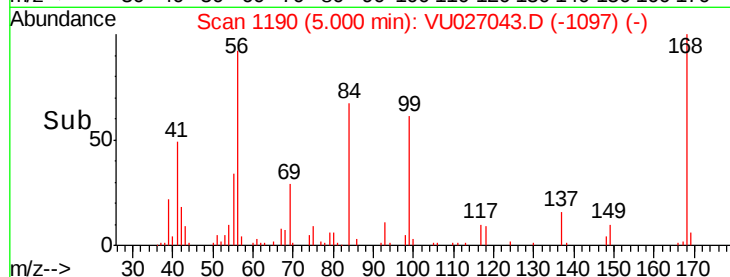
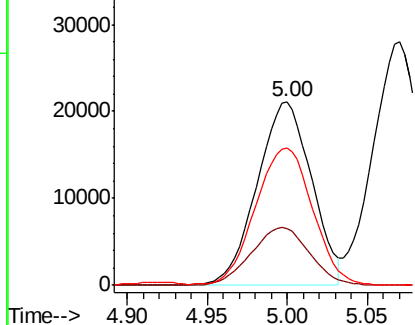
Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.0	34.4
84	73.8	61.4	92.2

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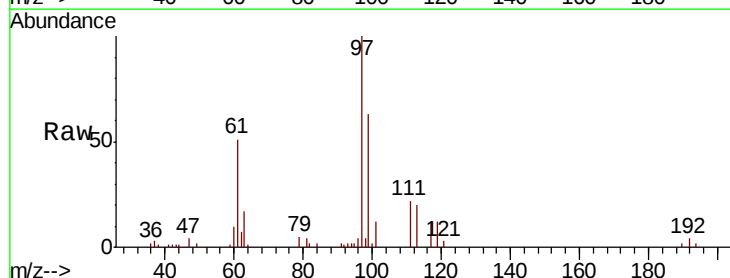


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

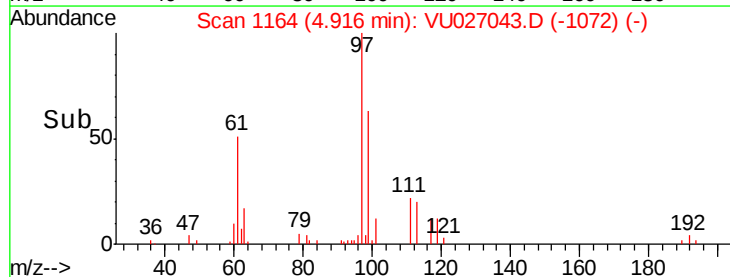
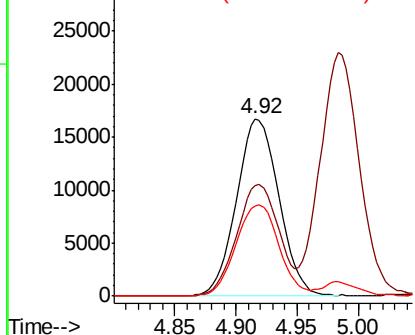


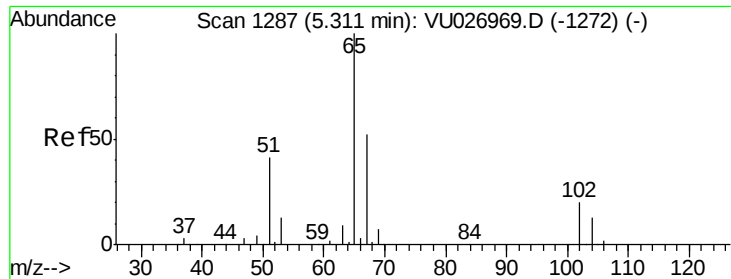
#32
1,1,1-Trichloroethane
Concen: 20.486 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.8	77.6
61	52.5	41.1	61.7



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





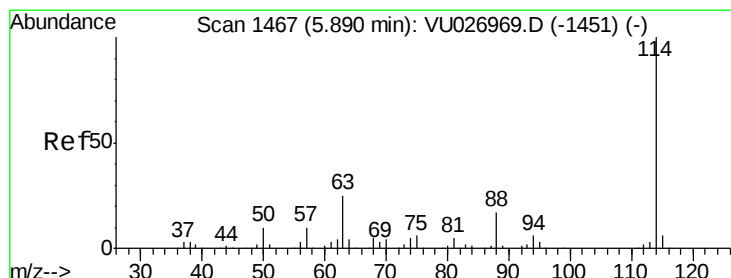
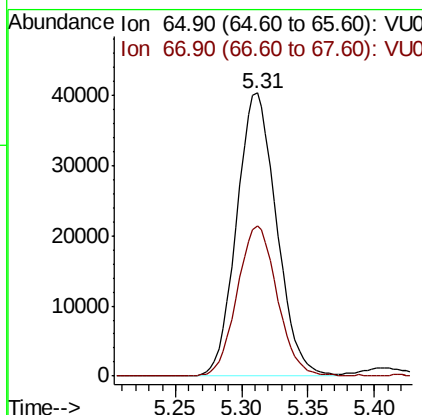
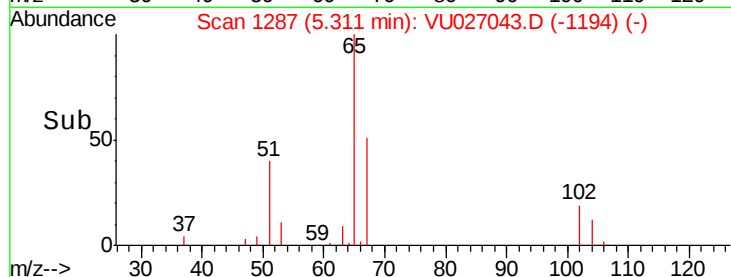
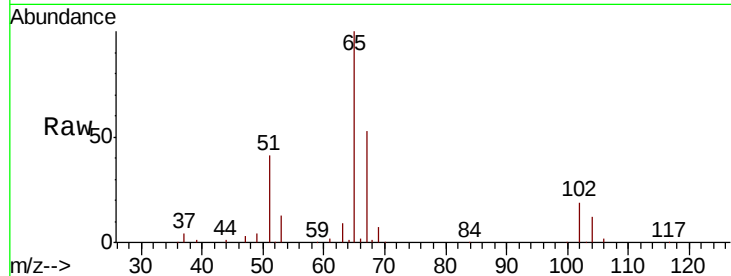
#33
 1,2-Dichloroethane-d4
 Concen: 52.303 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027043.D
 Acq: 23 Sep 2018 02:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0923WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	105.6

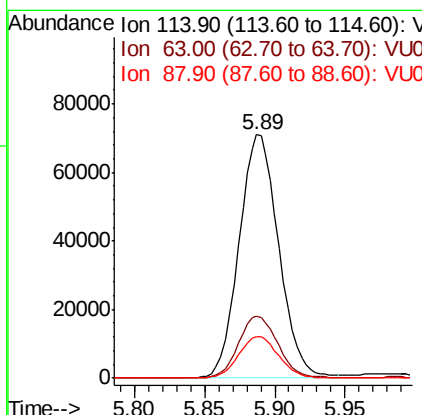
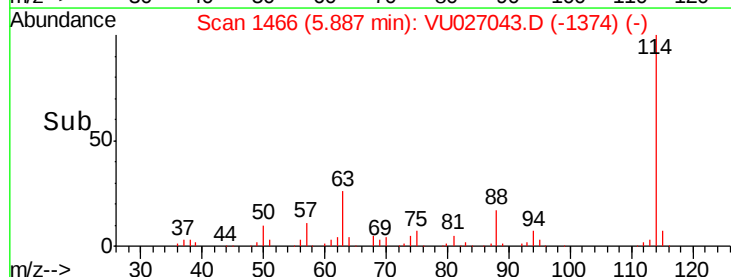
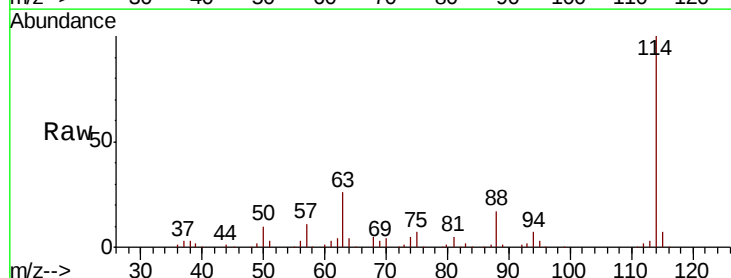
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027043.D
 Acq: 23 Sep 2018 02:38

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.7	0.0	49.2
88	17.2	0.0	33.8





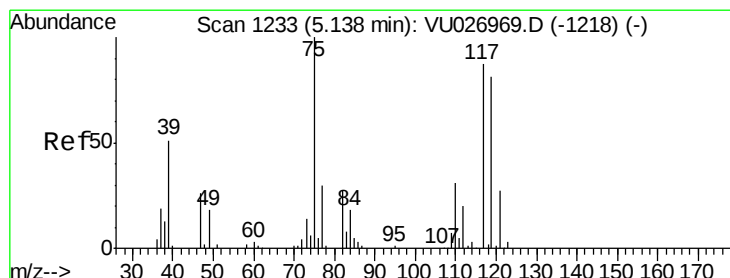
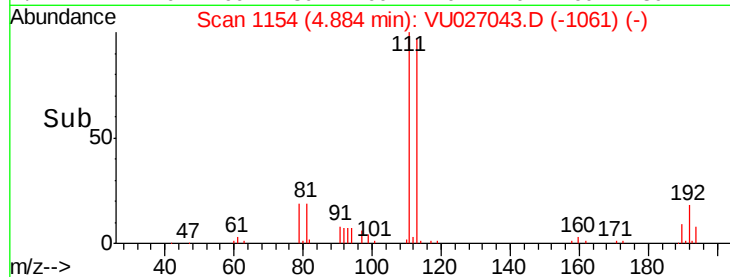
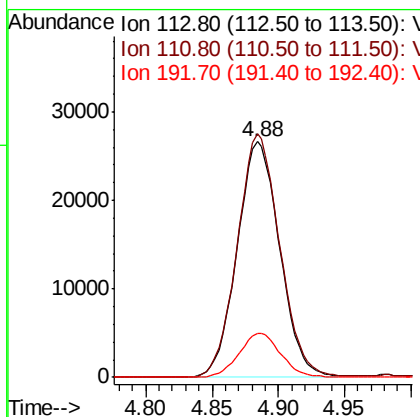
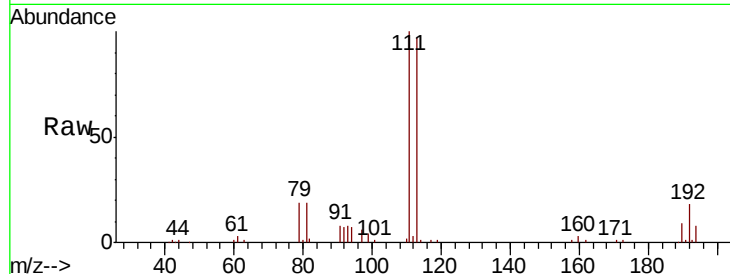
#35
 Dibromofluoromethane
 Concen: 49.011 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027043.D
 Acq: 23 Sep 2018 02:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0923WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.1	82.2	123.4	
192	18.2	15.2	22.8	

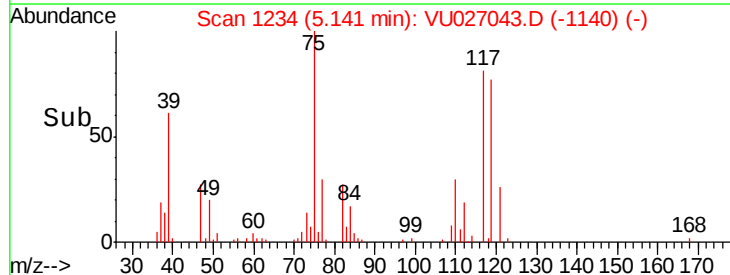
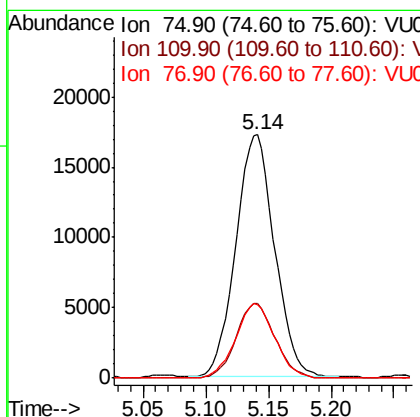
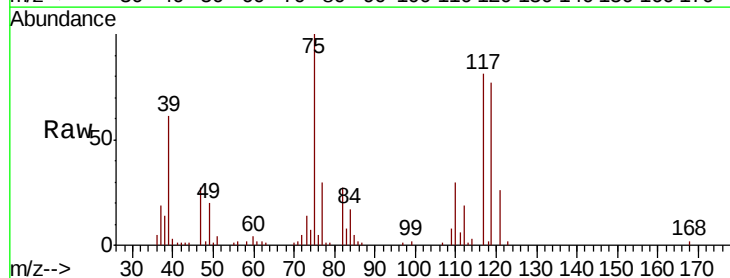
Manual Integrations
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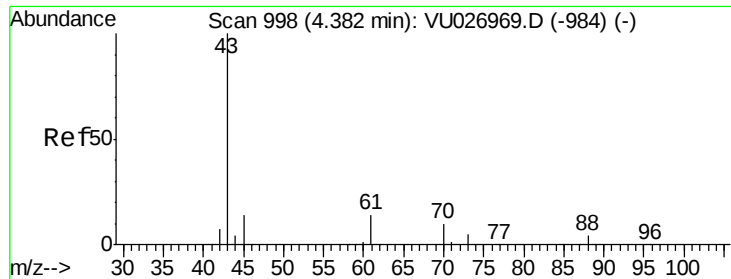
MMDadoda
 9/24/2018 4:40:30 PM



#36
 1,1-Dichloropropene
 Concen: 19.738 ug/l
 RT: 5.14 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VU027043.D
 Acq: 23 Sep 2018 02:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	30.9	16.1	48.2	
77	30.9	24.6	36.8	





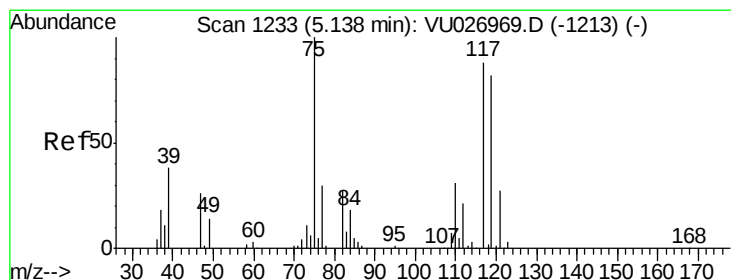
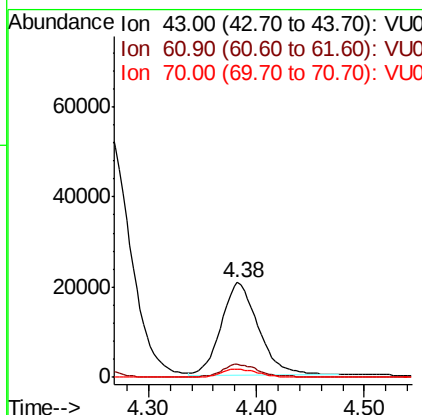
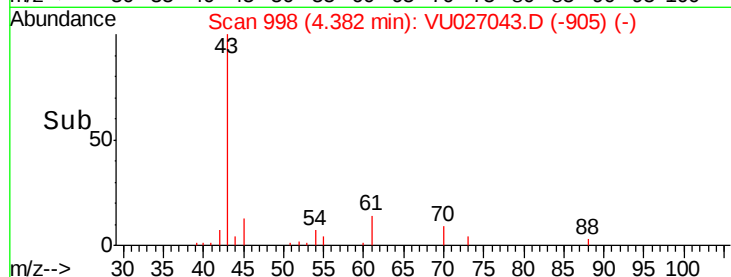
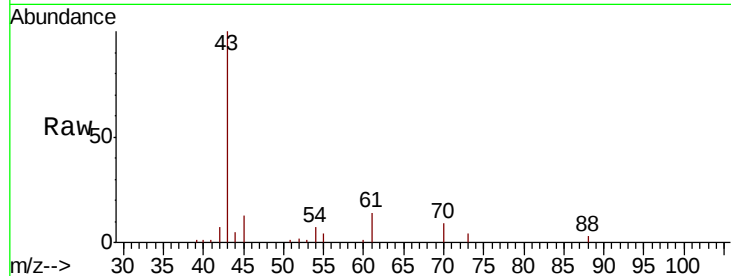
#37
Ethyl Acetate
Concen: 19.628 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS01

Tot Ion	43	Resp	49655
Ion Ratio	100	Lower	Upper
43	100		
61	14.0	10.5	15.7
70	8.7	7.4	11.0

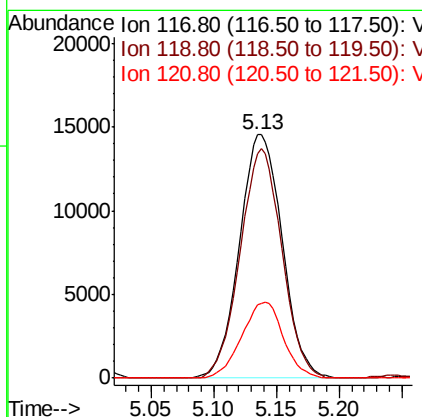
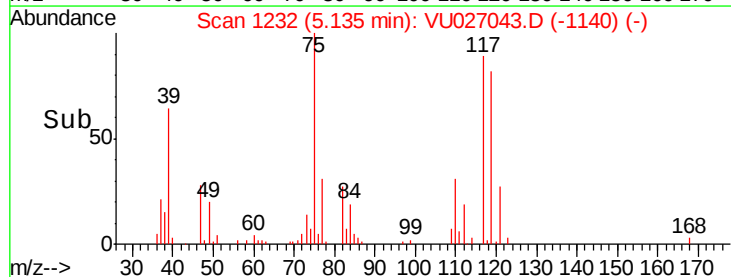
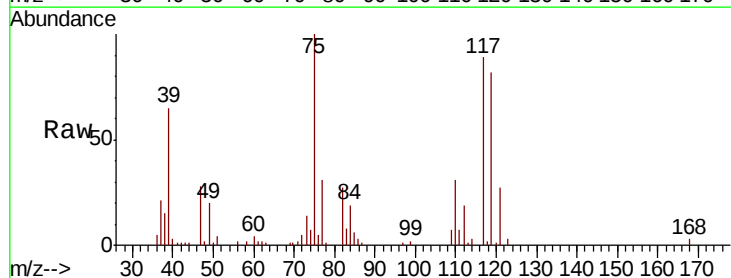
Manual Integrations
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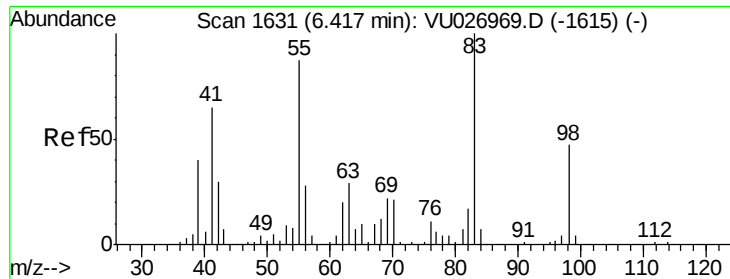
MMDadoda
9/24/2018 4:40:30 PM



#38
Carbon Tetrachloride
Concen: 19.390 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Tgt Ion	117	Resp	34483
Ion Ratio	100	Lower	Upper
117	100		
119	92.4	74.4	111.6
121	30.0	24.2	36.4





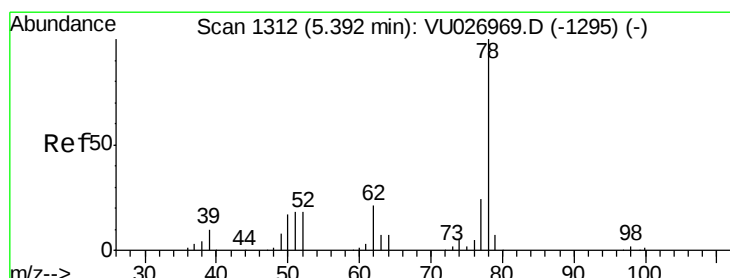
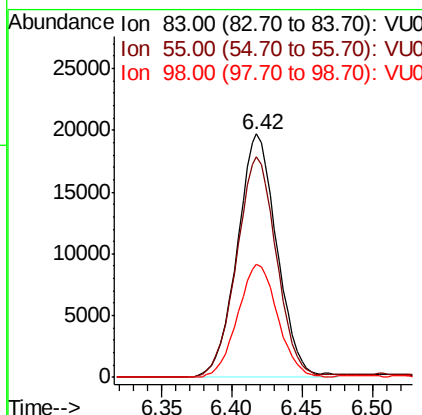
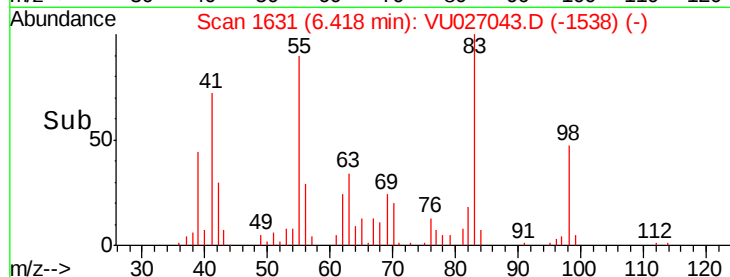
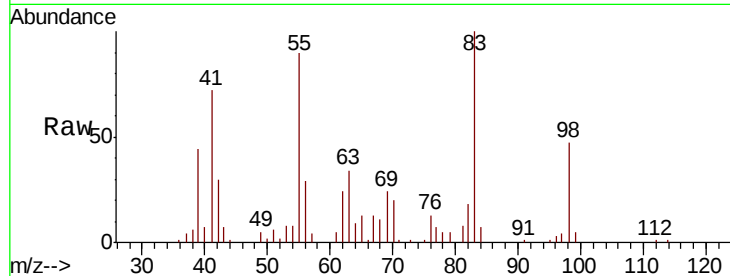
#39
Methvlcvclohexane
Concen: 19.158 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS01

Tot Ion	83.00	Resp	38908
Ion	Ratio	Lower	Upper
83	100		
55	90.4	69.9	104.9
98	46.6	37.5	56.3

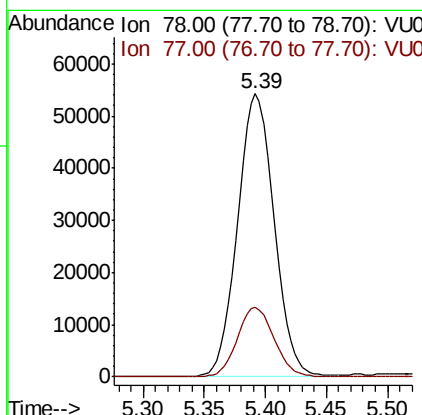
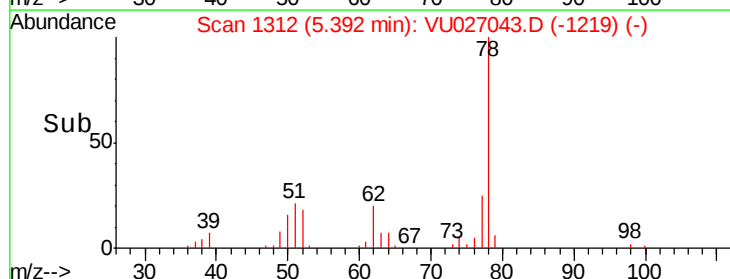
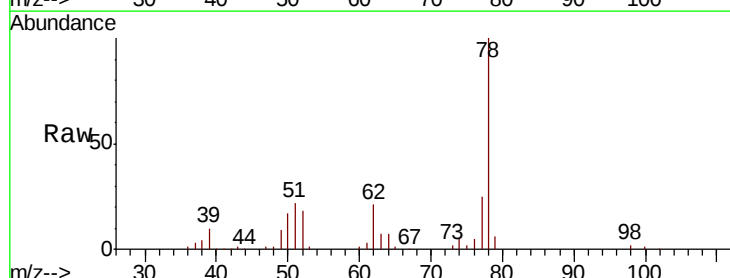
Manual Integrations
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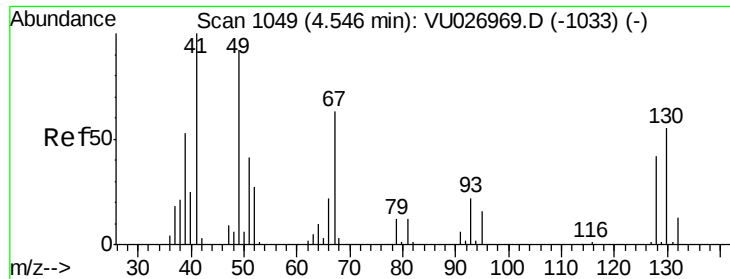
MMDadoda
9/24/2018 4:40:30 PM



#40
Benzene
Concen: 19.843 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Tgt Ion	78.00	Resp	112731
Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.4	29.0





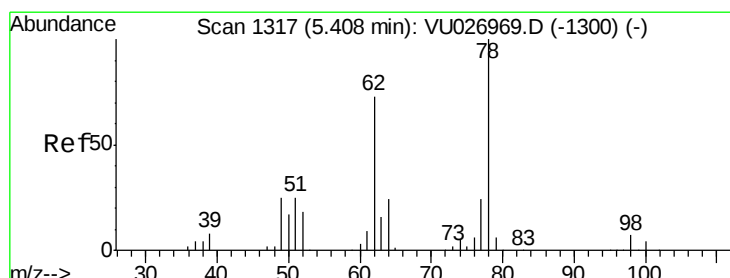
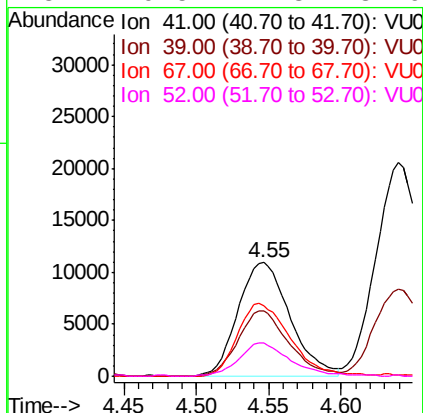
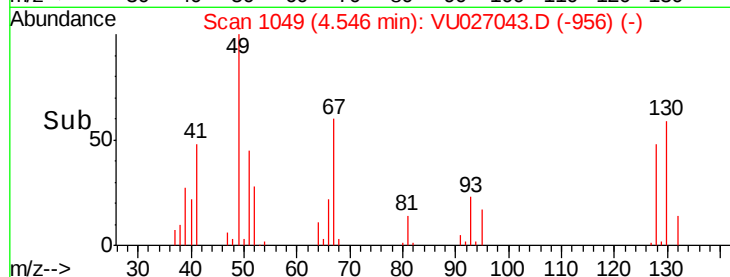
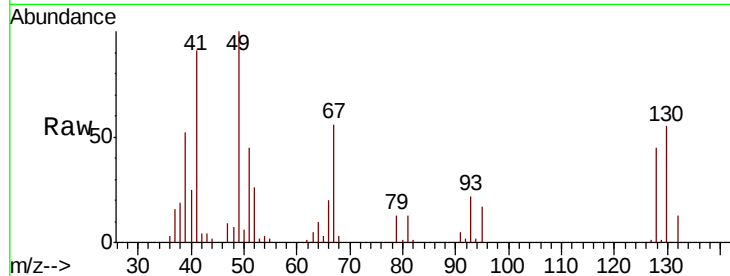
#41
Methacrylonitrile
Concen: 20.819 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.7	42.9	64.3	
67	64.6	52.4	78.6	
52	29.5	21.3	31.9	

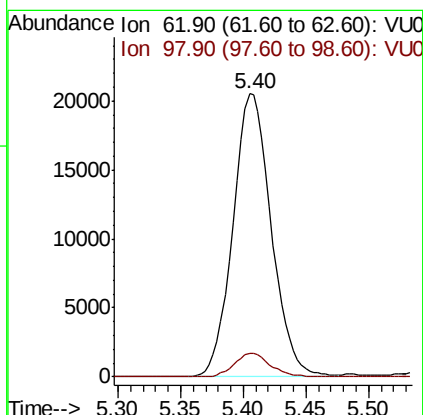
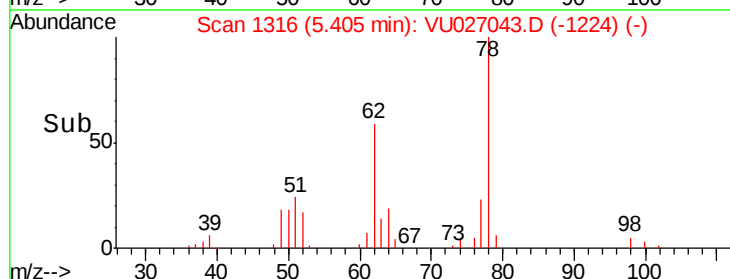
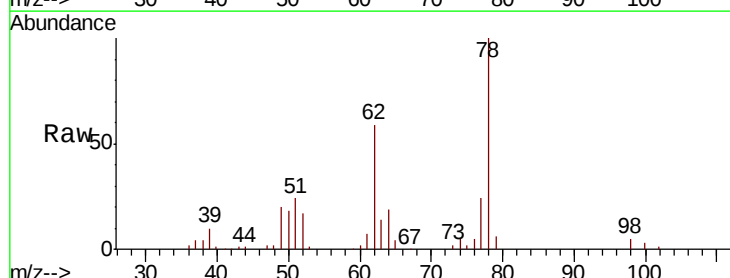
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 20.339 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.8	0.0	17.0	





#43

Isopropyl Acetate

Concen: 20.952 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Instrument :

MSVOA_U

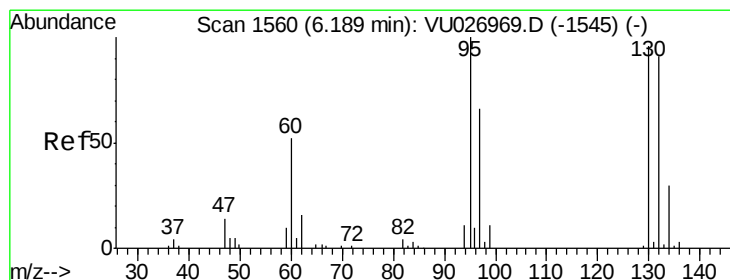
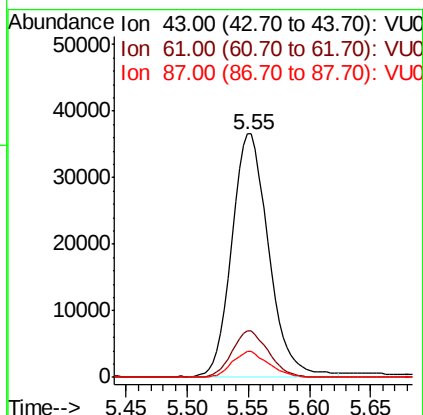
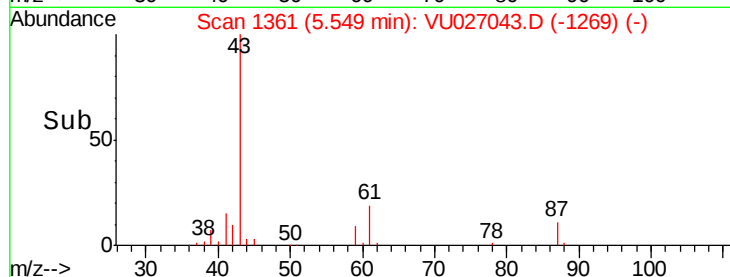
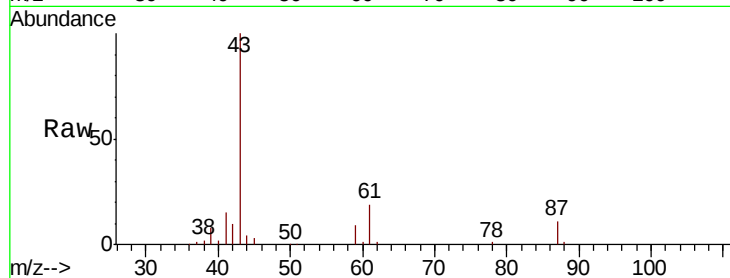
ClientSampleId :

VU0923WBS01

Tot Ion:	43	Resp:	77303
Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.7	23.5
87	10.3	9.0	13.4

Manual Integrations
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#44

Trichloroethene

Concen: 19.324 ug/l

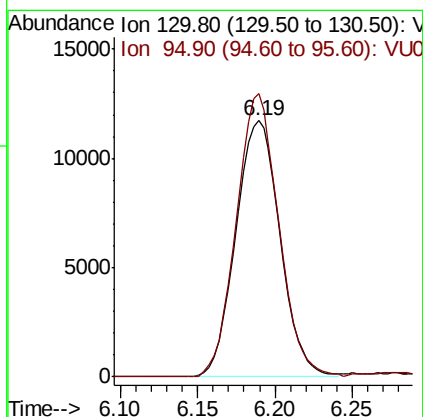
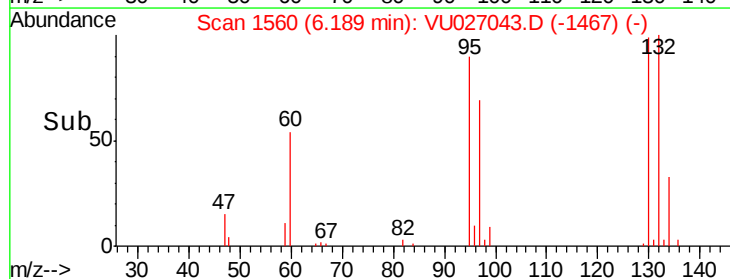
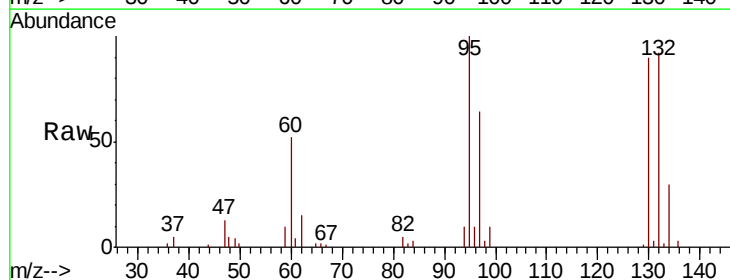
RT: 6.19 min Scan# 1560

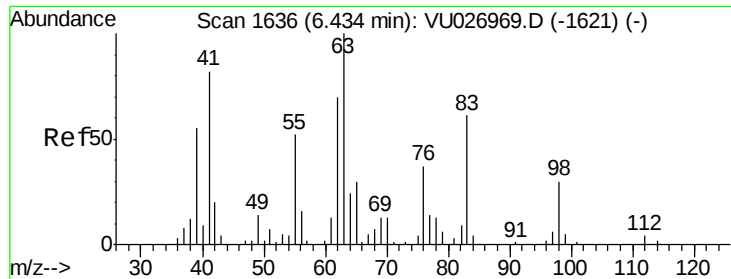
Delta R.T. 0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Tgt Ion:	130	Resp:	23372
Ion	Ratio	Lower	Upper
130	100		
95	110.6	0.0	208.8





#45

1,2-Dichloropropane

Concen: 20.421 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS01

Tot Ion: 63 Resp: 33057

Ion Ratio Lower Upper

63 100

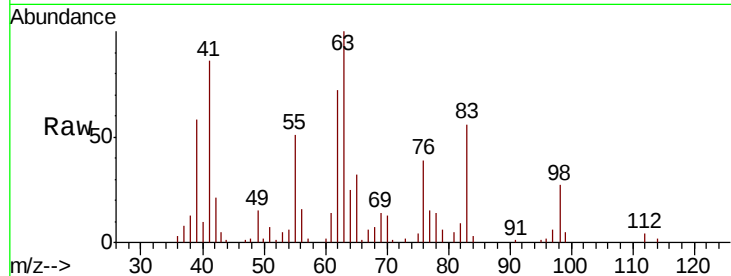
65 31.7 24.3 36.5

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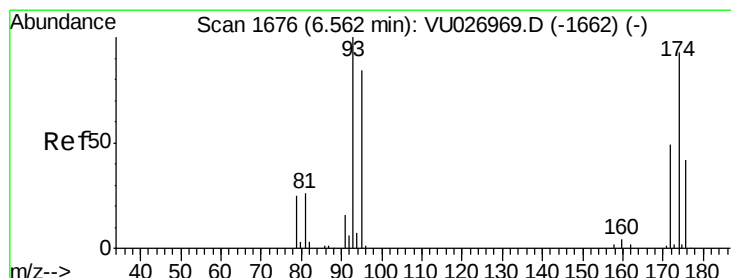
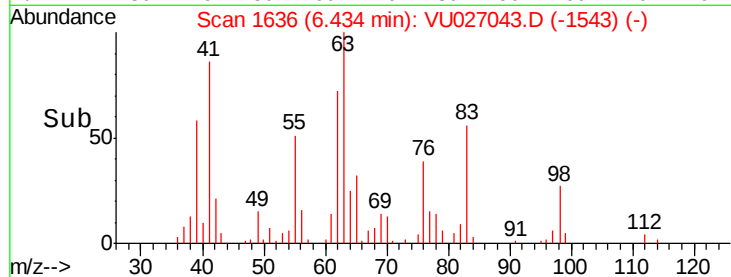
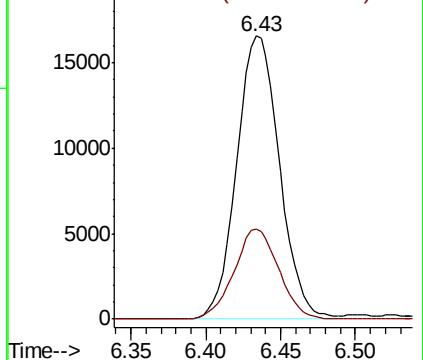
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 19.463 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

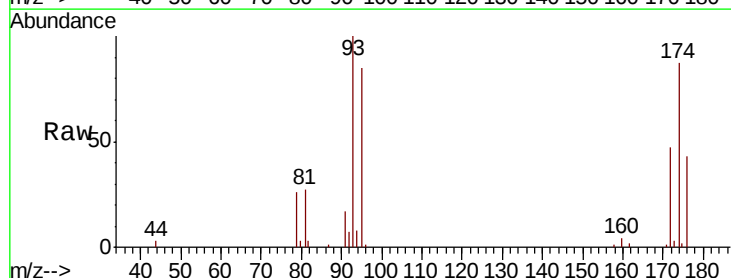
Tgt Ion: 93 Resp: 19028

Ion Ratio Lower Upper

93 100

95 83.5 66.2 99.4

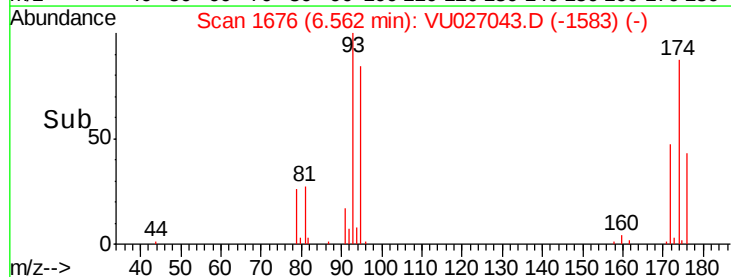
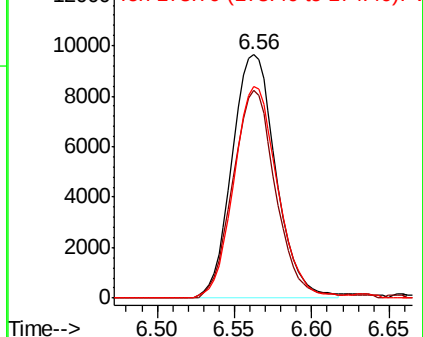
174 86.3 71.7 107.5



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





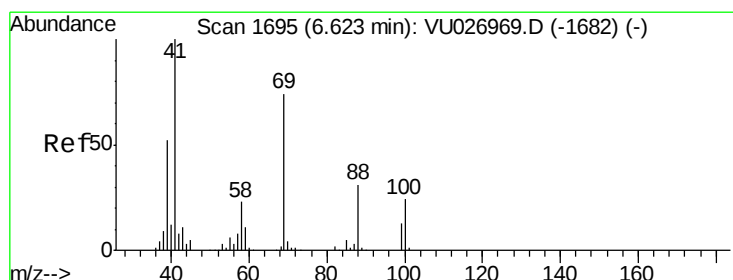
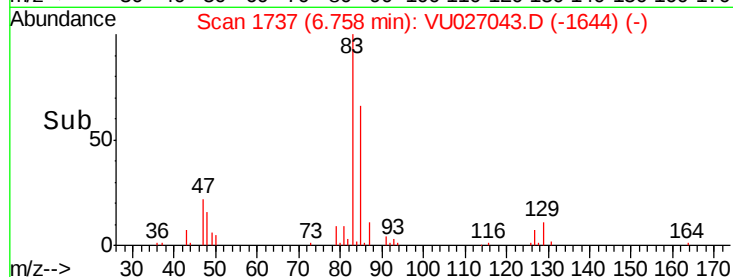
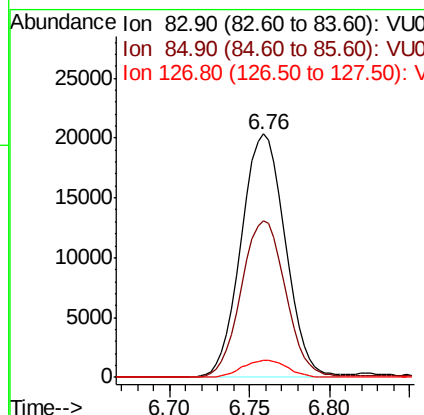
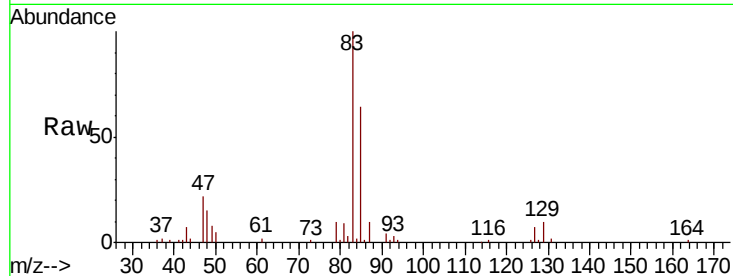
#47
Bromodichloromethane
Concen: 19.436 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS01

Tot Ion	83	Resp	38421
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	52.5	78.7
127	7.2	6.3	9.5

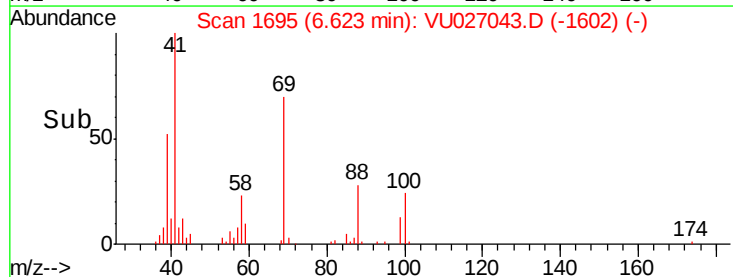
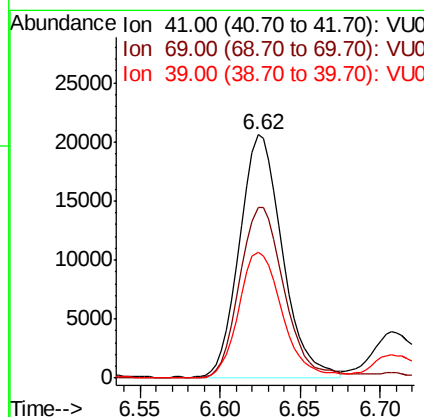
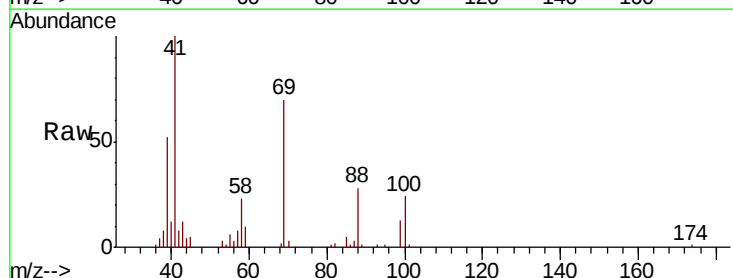
Manual Integrations
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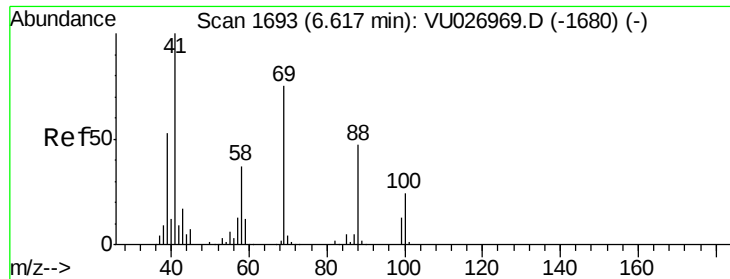
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#48
Methyl methacrylate
Concen: 19.505 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Tgt Ion	41	Resp	37903
Ion Ratio	100	Lower	Upper
41	100		
69	72.9	60.6	90.8
39	52.6	42.8	64.2





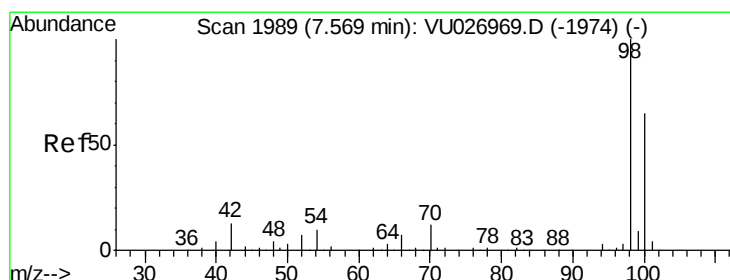
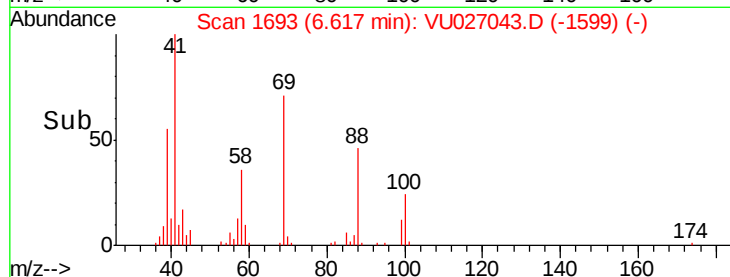
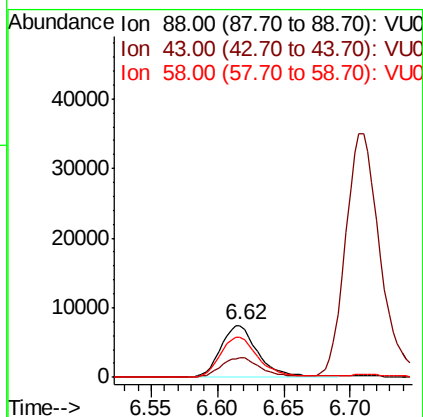
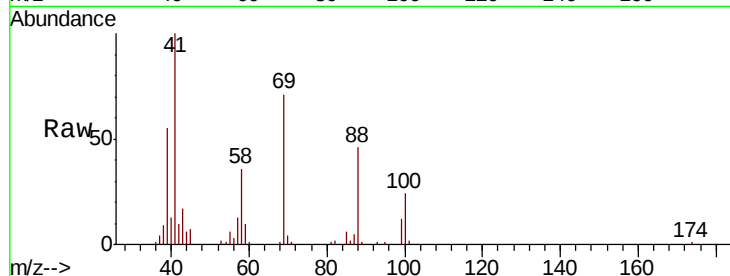
#49
1,4-Dioxane
Concen: 368.138 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.1	29.8	44.8
58	78.3	63.9	95.9

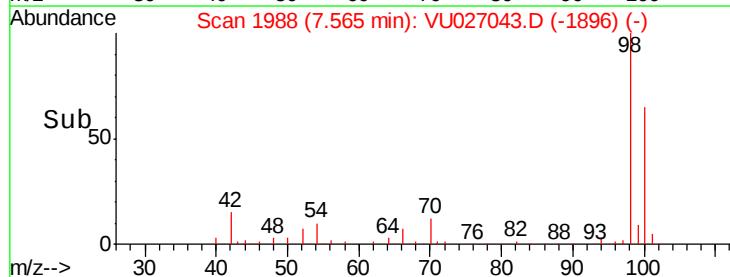
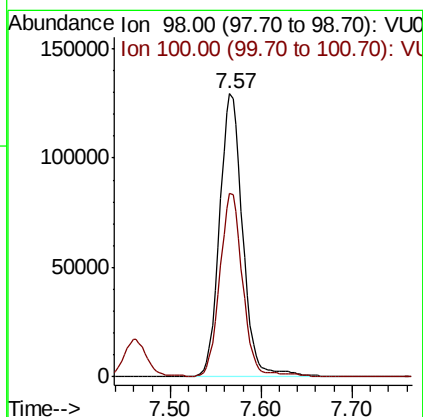
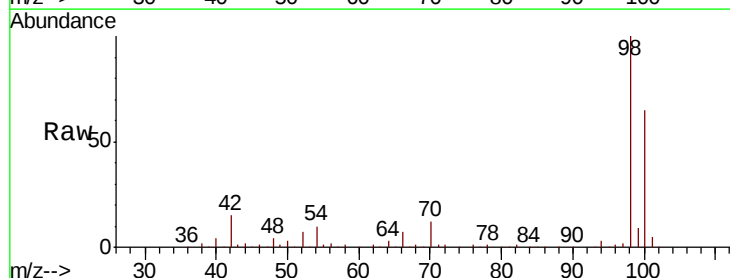
Manual Integrations
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#50
Toluene-d8
Concen: 49.534 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 104.634 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS01

Tot Ion: 43 Resp: 259639

Ion Ratio Lower Upper

43 100

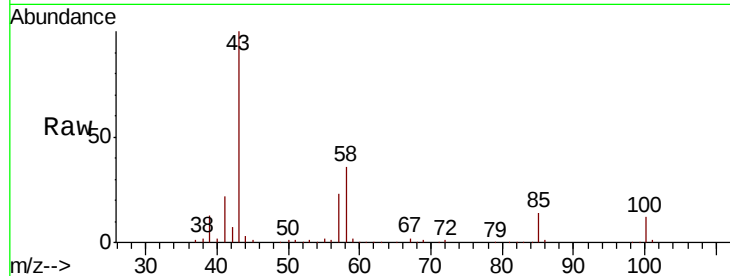
58 36.4 29.8 44.6

Manual Integrations

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

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

7.46

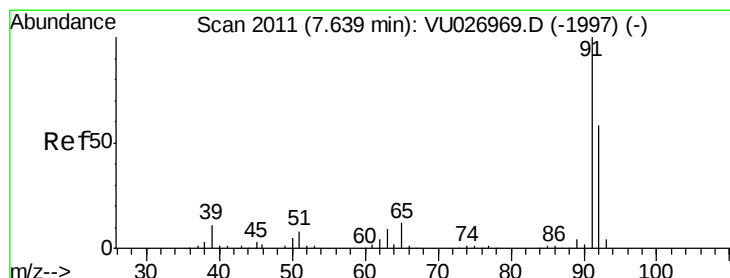
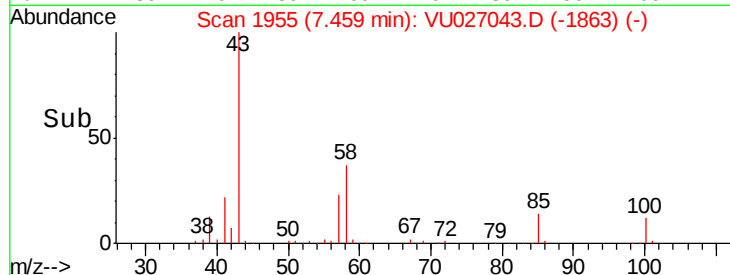
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.505 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027043.D

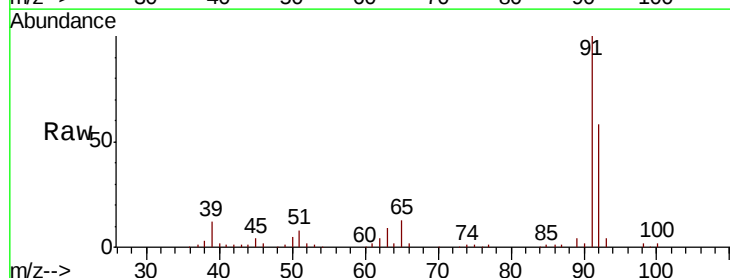
Acq: 23 Sep 2018 02:38

Tgt Ion: 92 Resp: 66774

Ion Ratio Lower Upper

92 100

91 173.7 136.4 204.6



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

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

7.64

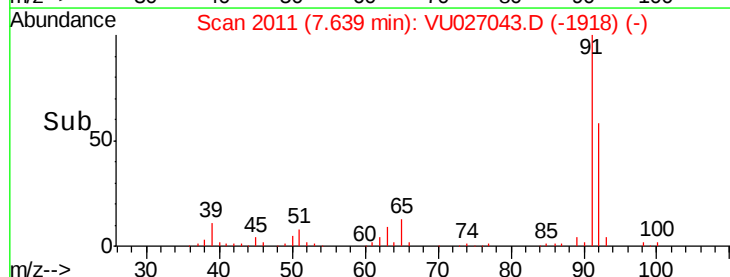
60000

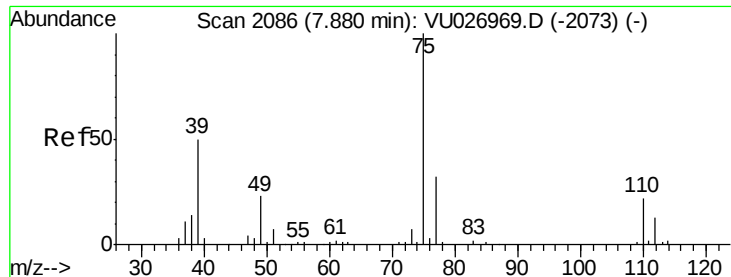
40000

20000

0

Time-->





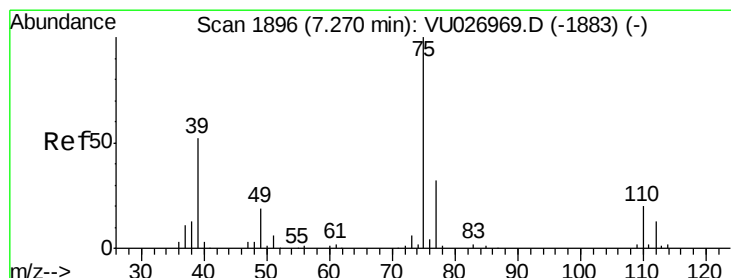
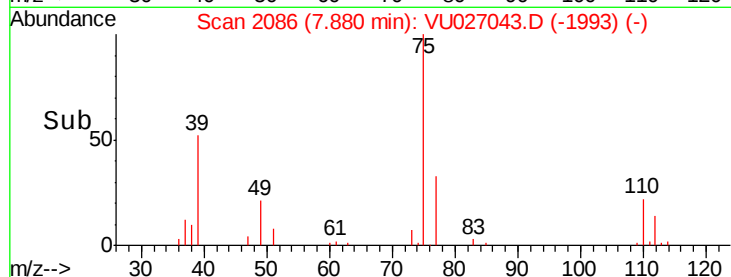
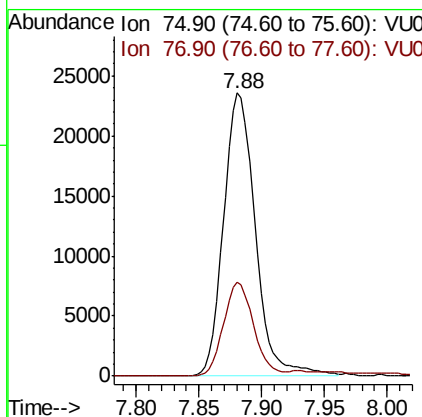
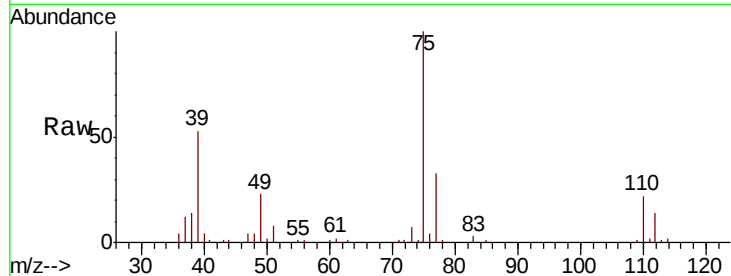
#53
t-1,3-Dichloropropene
Concen: 19.538 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS01

Tot Ion: 75 Resp: 41497
Ion Ratio Lower Upper
75 100
77 33.2 25.3 37.9

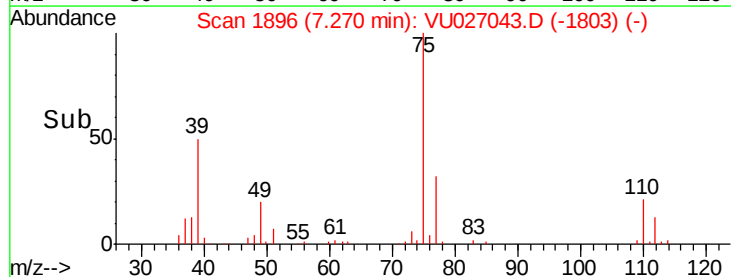
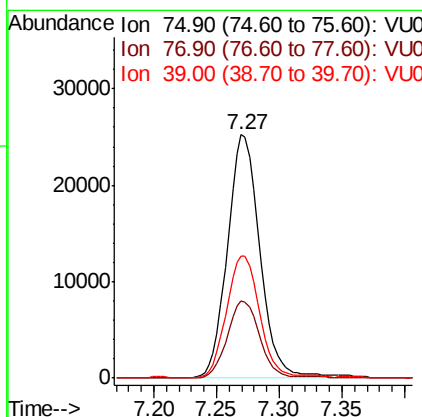
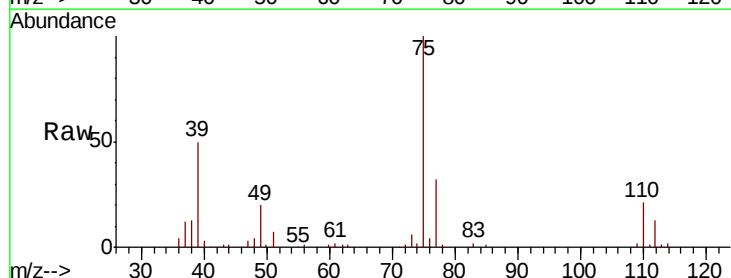
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 19.474 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Tgt Ion: 75 Resp: 45477
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0
39 50.4 41.6 62.4





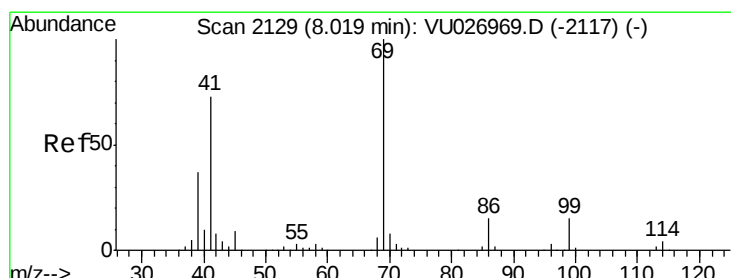
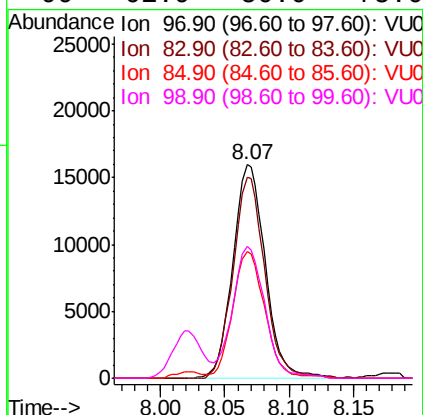
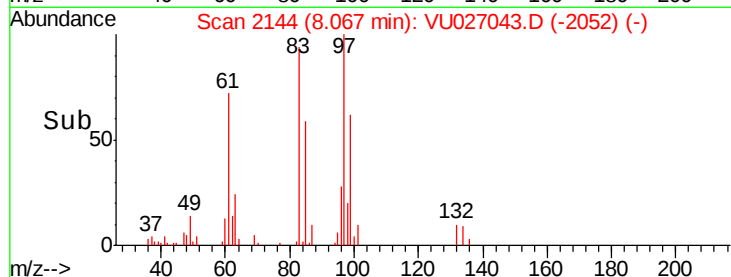
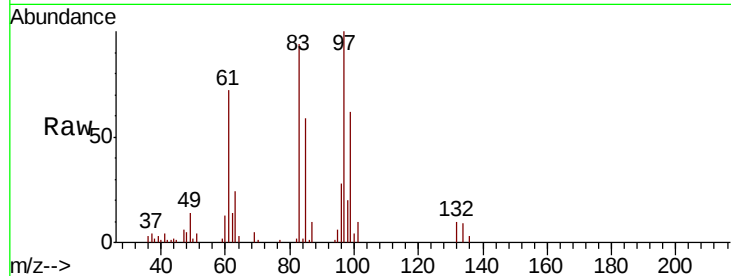
#55
 1,1,2-Trichloroethane
 Concen: 20.295 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027043.D
 Acq: 23 Sep 2018 02:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0923WBS01

Tot Ion:	97	Resp:	28003
Ion	Ratio	Lower	Upper
97	100		
83	93.9	73.1	109.7
85	59.2	46.7	70.1
99	61.9	50.0	75.0

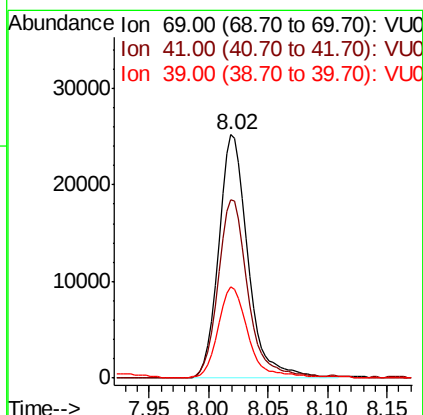
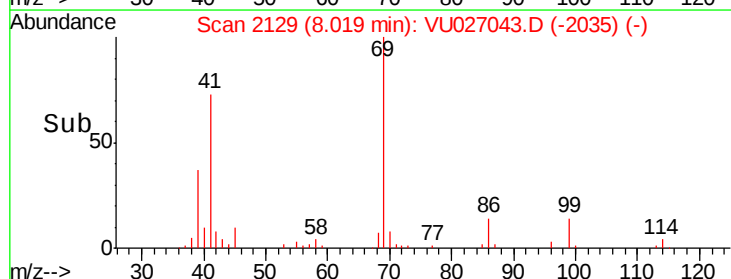
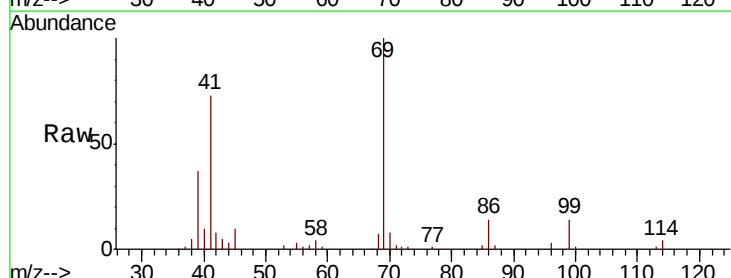
Manual Integrations
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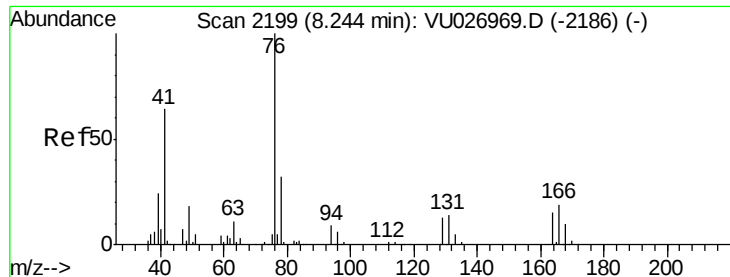
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#56
 Ethyl methacrylate
 Concen: 19.391 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027043.D
 Acq: 23 Sep 2018 02:38

Tgt Ion:	69	Resp:	43063
Ion	Ratio	Lower	Upper
69	100		
41	75.1	59.0	88.4
39	39.2	30.2	45.4





#57

1,3-Dichloropropane

Concen: 20.714 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS01

Tot Ion: 76 Resp: 53159

Ion Ratio Lower Upper

76 100

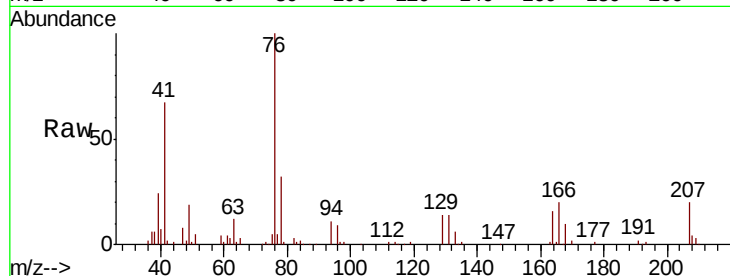
78 31.5 25.5 38.3

Manual Integrations

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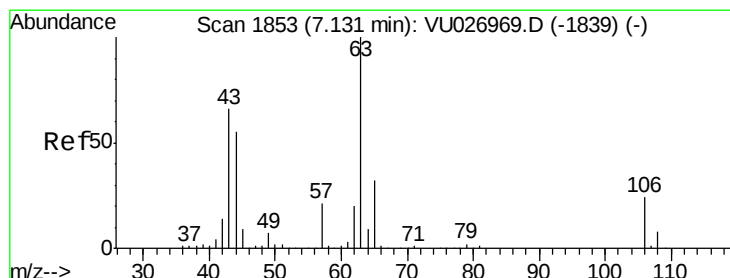
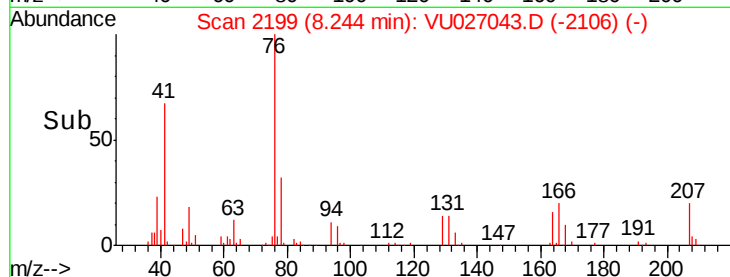
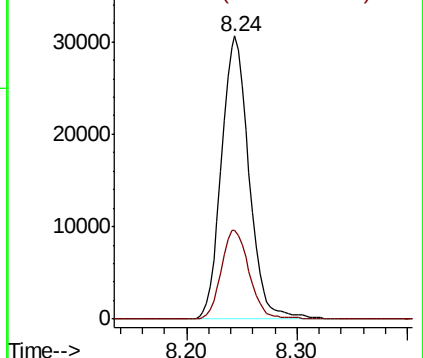
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 95.280 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU027043.D

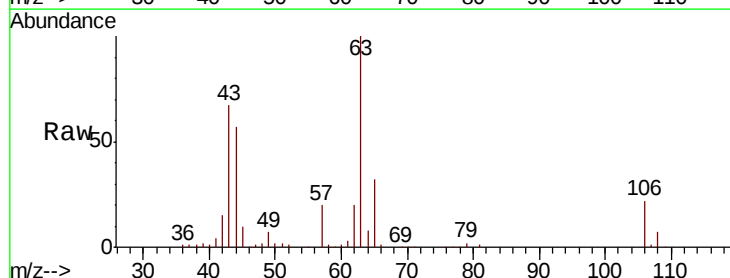
Acq: 23 Sep 2018 02:38

Tgt Ion: 63 Resp: 125289

Ion Ratio Lower Upper

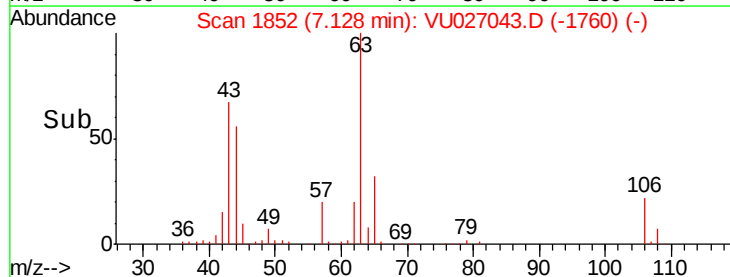
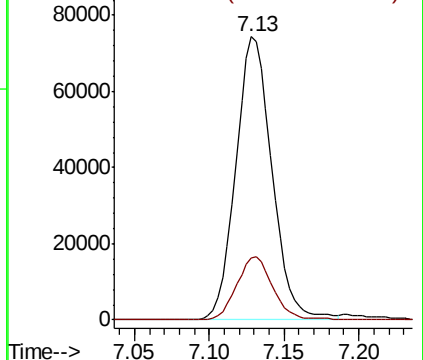
63 100

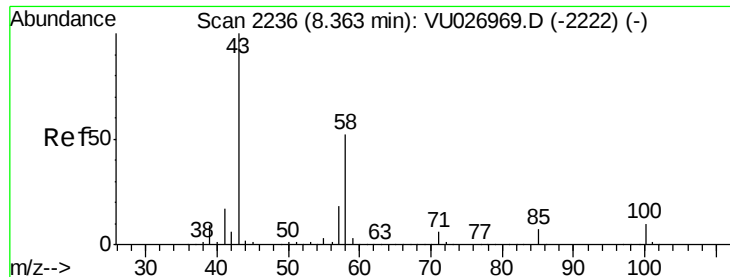
106 21.9 18.7 28.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





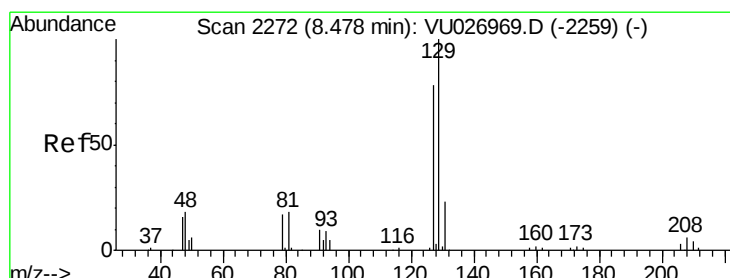
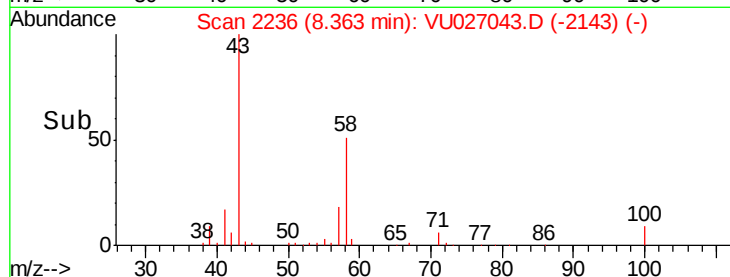
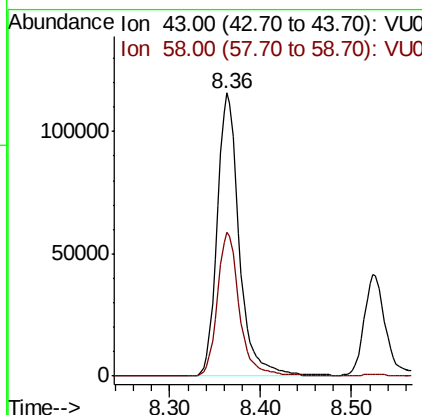
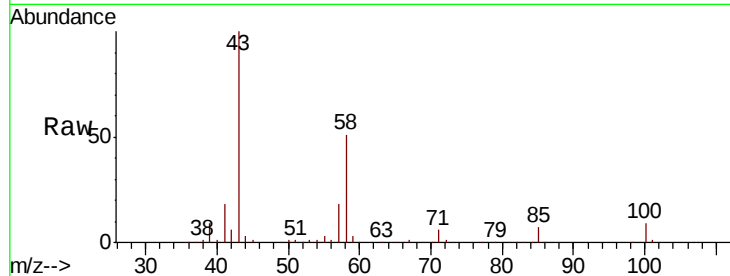
#59
2-Hexanone
Concen: 100.455 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS01

Tot Ion	43	Resp	195123
Ion Ratio	Lower	Upper	
43	100		
58	50.3	26.1	78.2

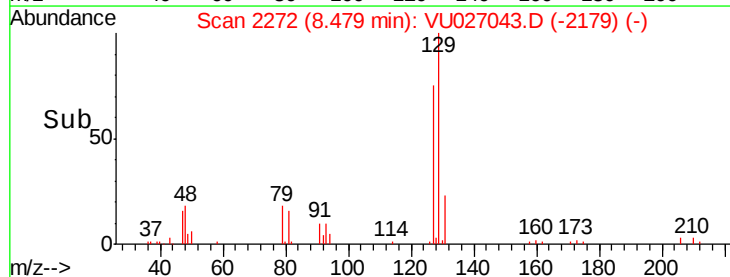
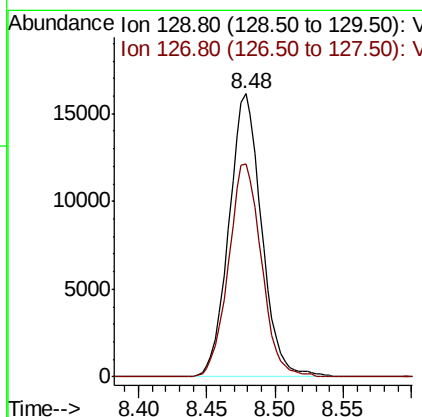
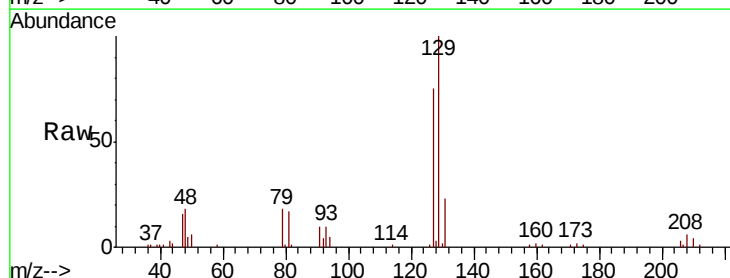
Manual Integrations
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#60
Dibromochloromethane
Concen: 19.862 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Tgt Ion	129	Resp	26883
Ion Ratio	Lower	Upper	
129	100		
127	75.8	38.1	114.5





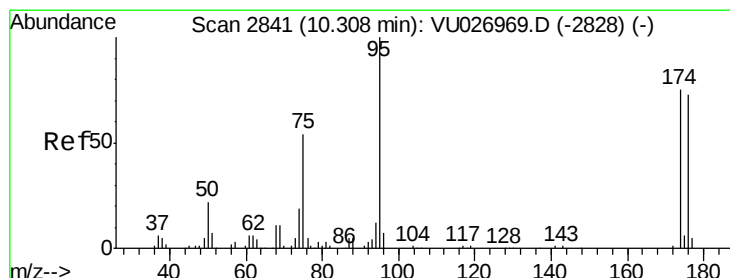
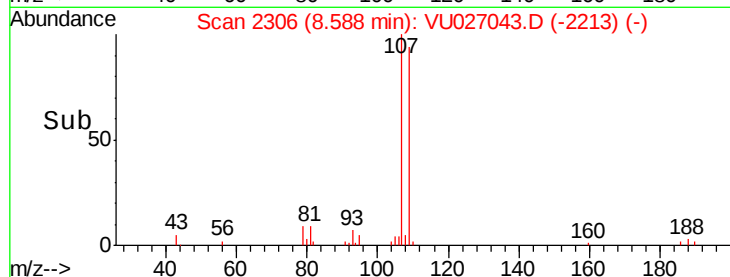
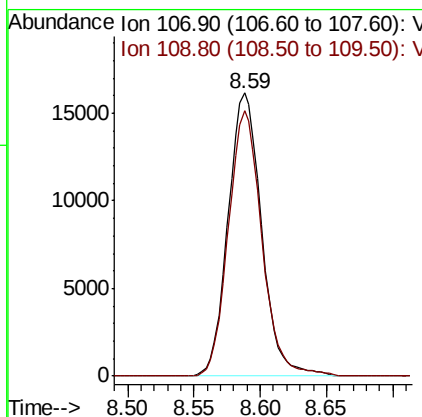
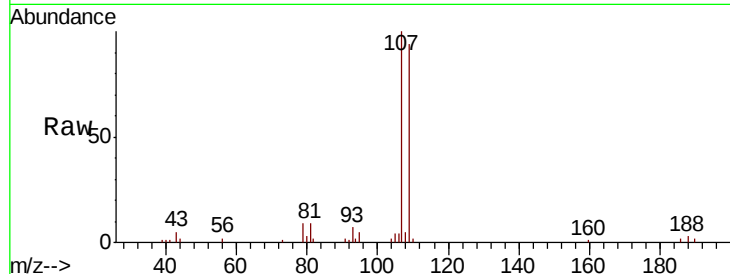
#61
 1,2-Dibromoethane
 Concen: 19.741 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027043.D
 Acq: 23 Sep 2018 02:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0923WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.0	112.6

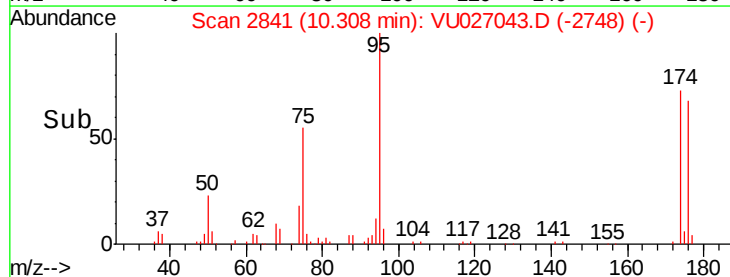
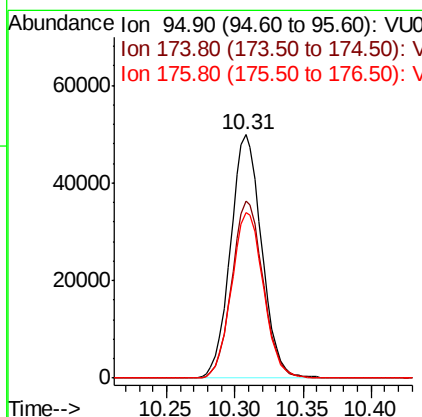
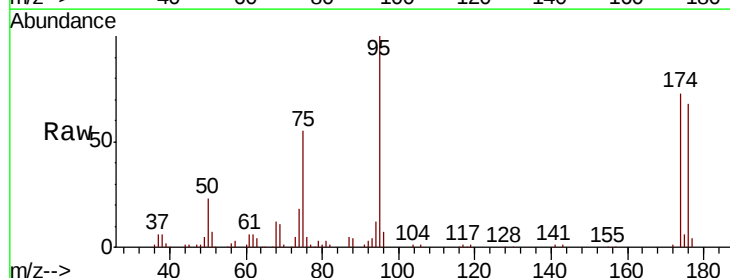
Manual Integrations
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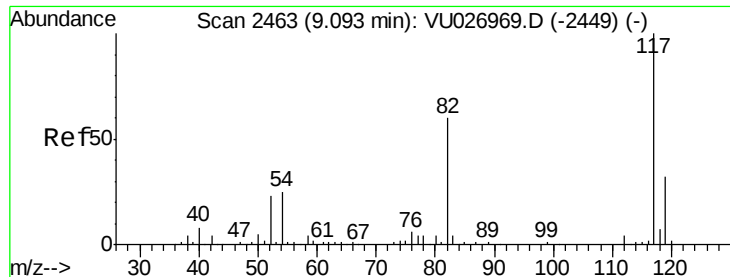
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#62
 4-Bromofluorobenzene
 Concen: 49.872 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027043.D
 Acq: 23 Sep 2018 02:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	150.2
176	69.4	0.0	145.2





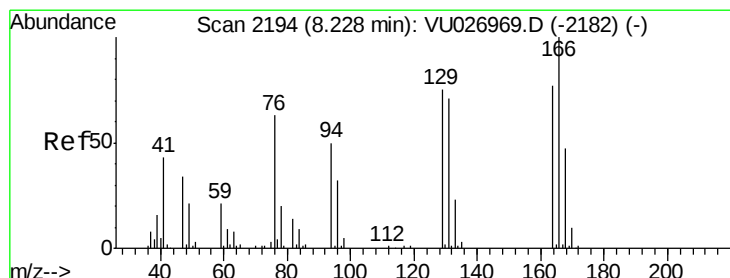
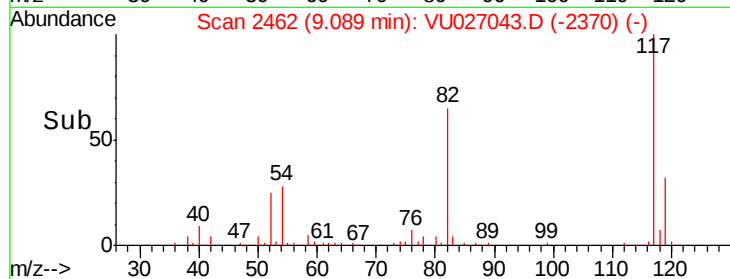
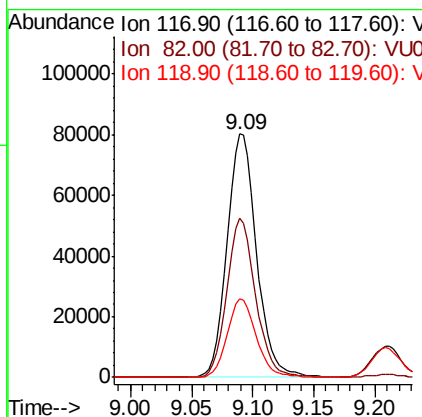
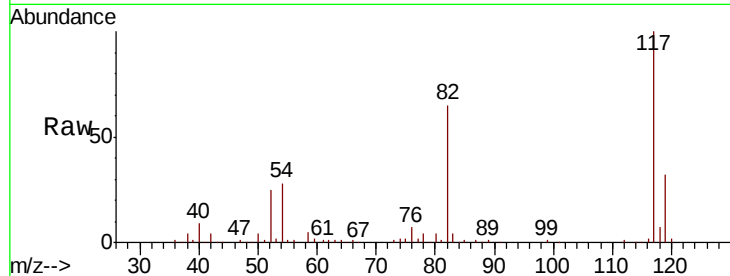
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.3	48.0	72.0
119	32.5	25.8	38.8

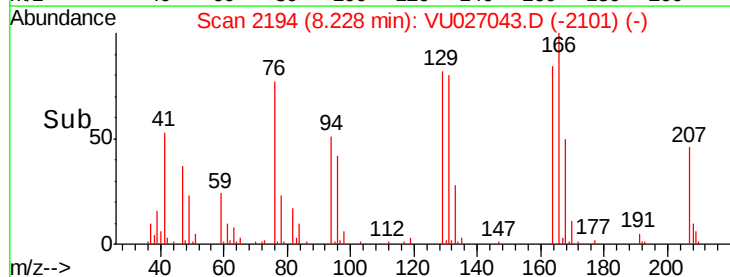
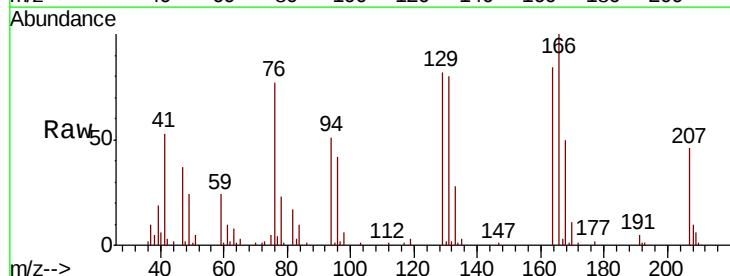
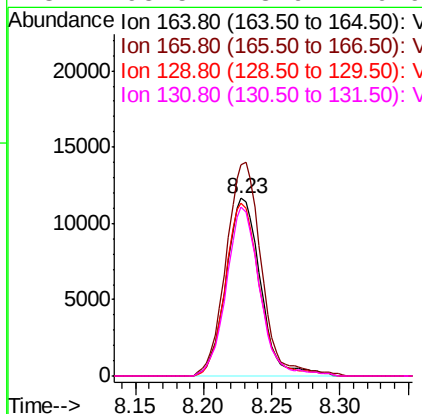
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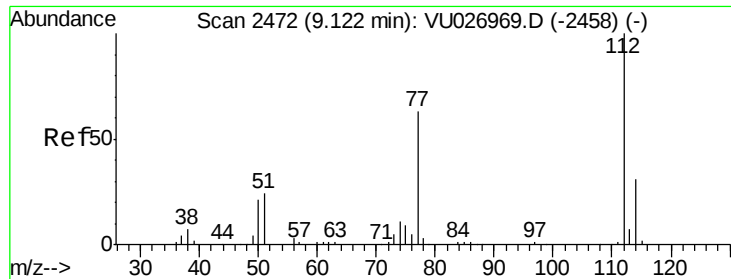
MMDadoda
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#64
Tetrachloroethene
Concen: 19.582 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.2	104.4	156.6
129	97.4	78.7	118.1
131	95.5	73.9	110.9





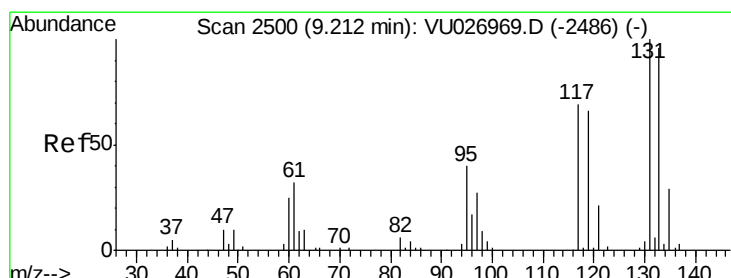
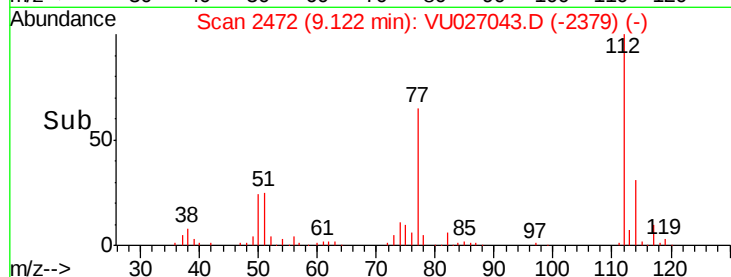
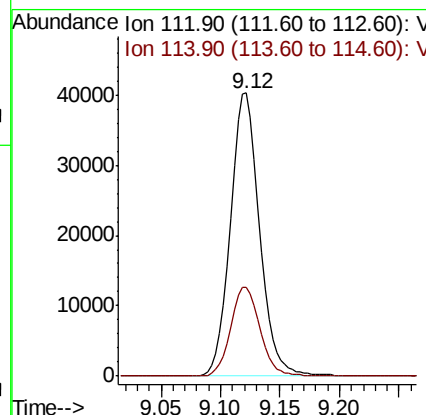
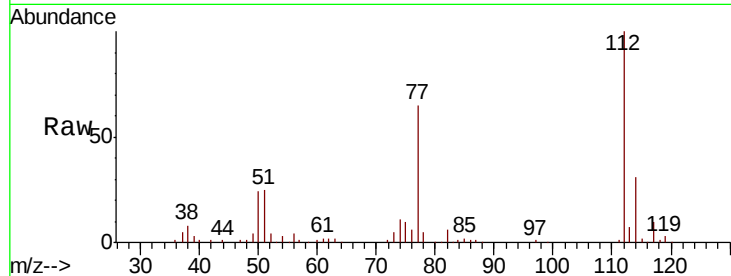
#65
Chlorobenzene
Concen: 18.936 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS01

Tot Ion:112 Resp: 68339
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.6

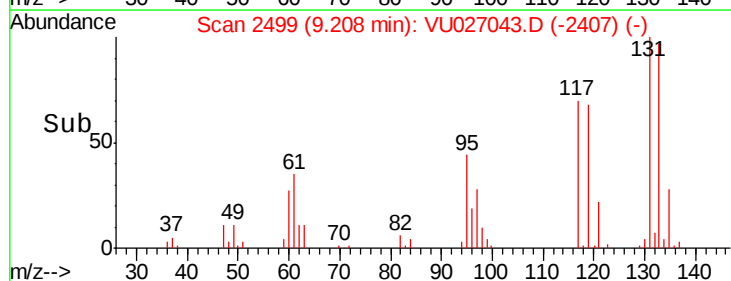
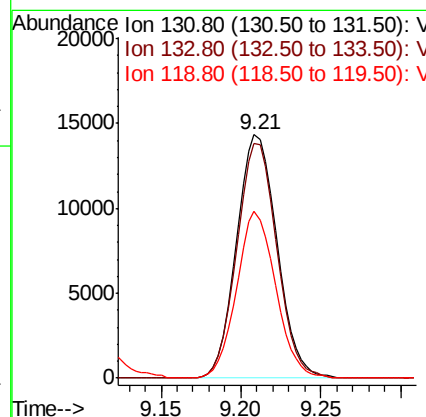
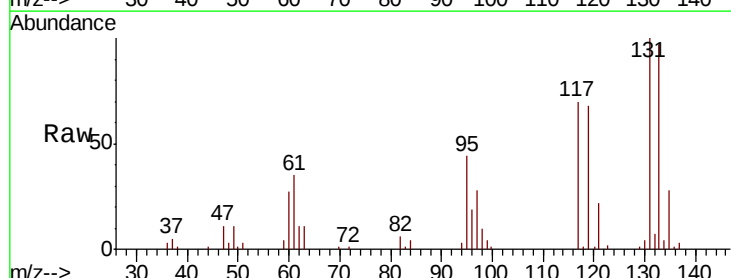
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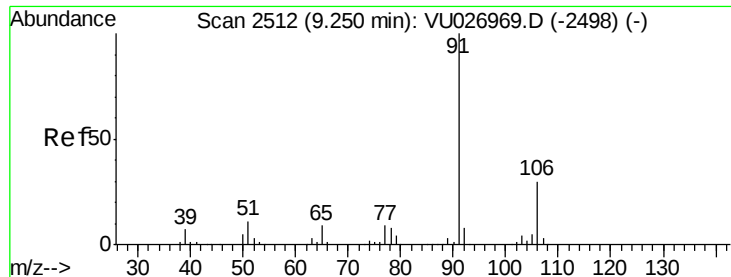
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.894 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Tgt Ion:131 Resp: 24729
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.2
119 66.1 33.4 100.1





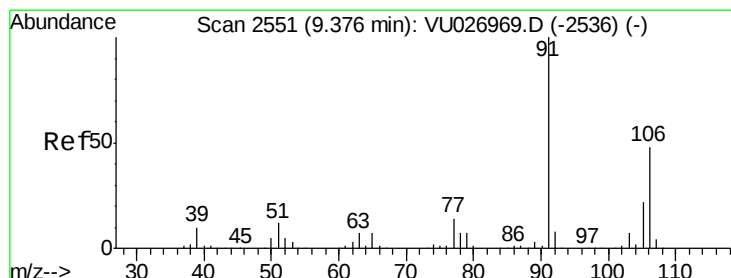
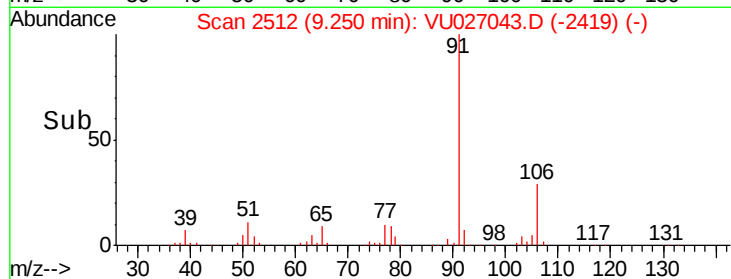
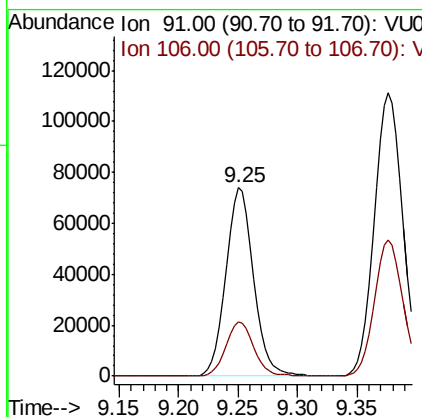
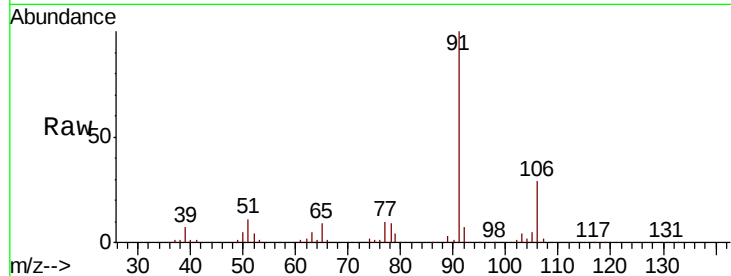
#67
Ethyl Benzene
Concen: 20.131 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS01

Tot Ion: 91 Resp: 119465
Ion Ratio Lower Upper
91 100
106 29.0 23.8 35.8

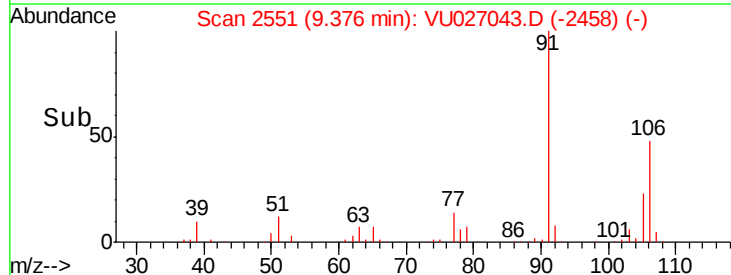
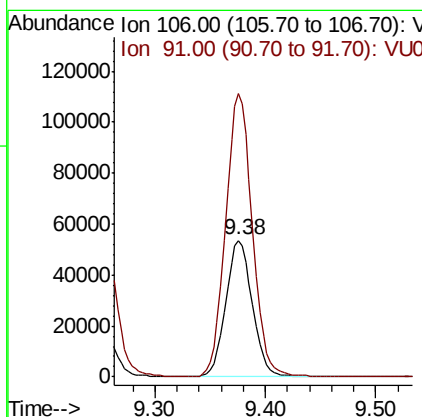
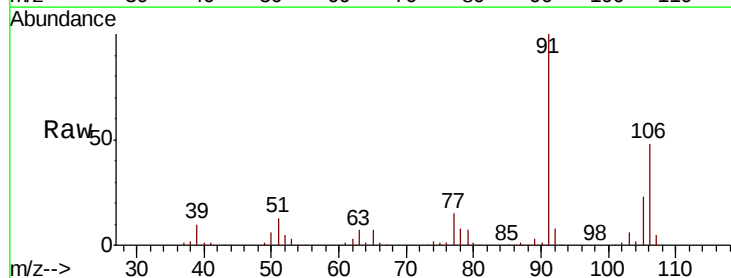
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#68
m/p-Xylenes
Concen: 38.214 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Tgt Ion: 106 Resp: 89581
Ion Ratio Lower Upper
106 100
91 208.5 166.5 249.7





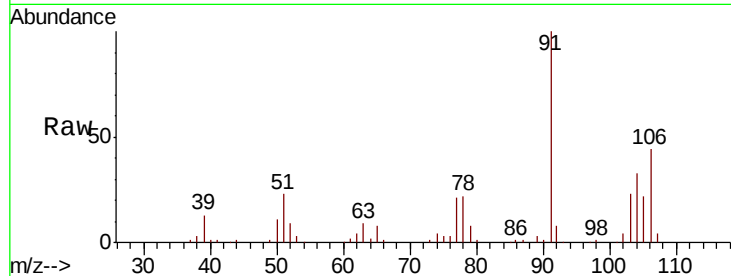
#69
o-Xylene
Concen: 20.123 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS01

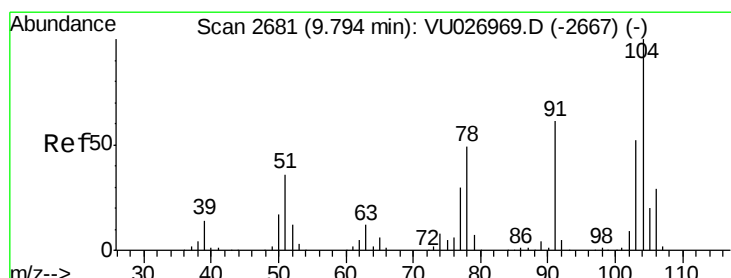
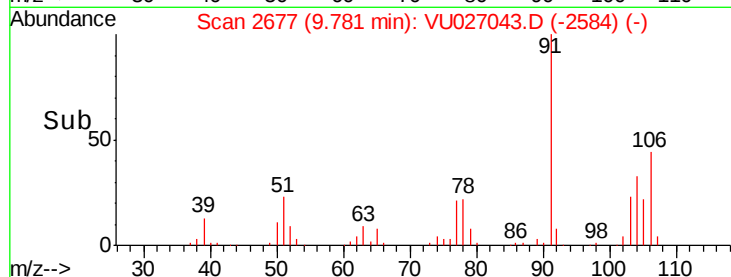
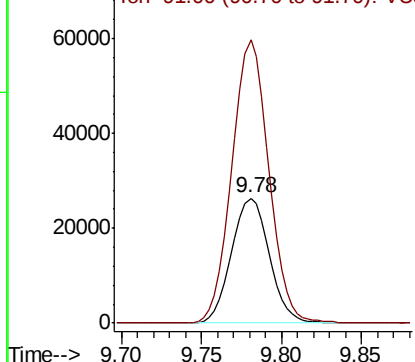
Tot Ion:106 Resp: 42311
Ion Ratio Lower Upper
106 100
91 222.2 110.2 330.6

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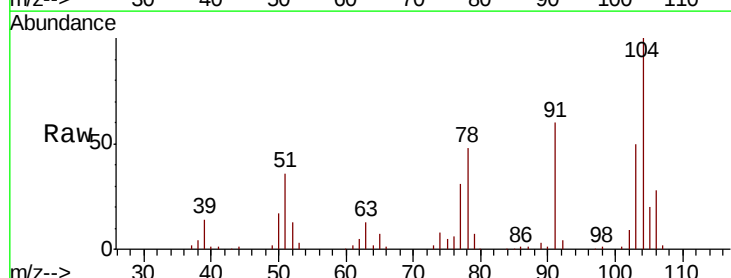


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

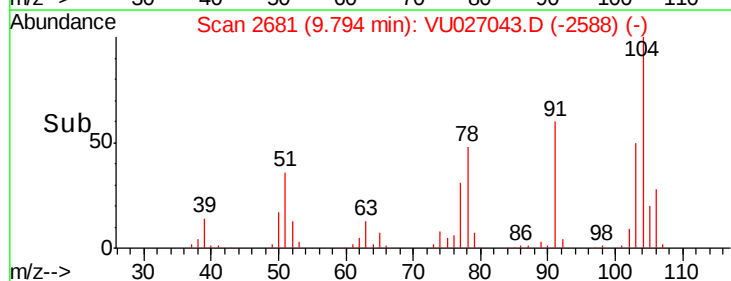
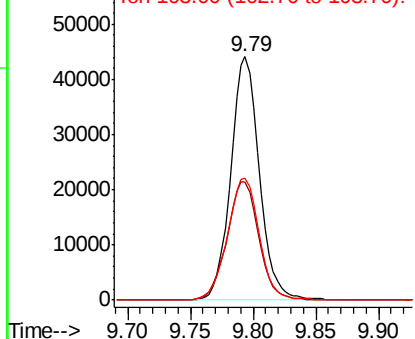


#70
Styrene
Concen: 18.954 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Tgt Ion:104 Resp: 69836
Ion Ratio Lower Upper
104 100
78 53.9 43.0 64.4
103 55.6 44.1 66.1



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





#71

Bromoform

Concen: 19.293 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS01

Tot Ion:173 Resp: 18546

Ion Ratio Lower Upper

173 100

175 48.0 23.9 71.8

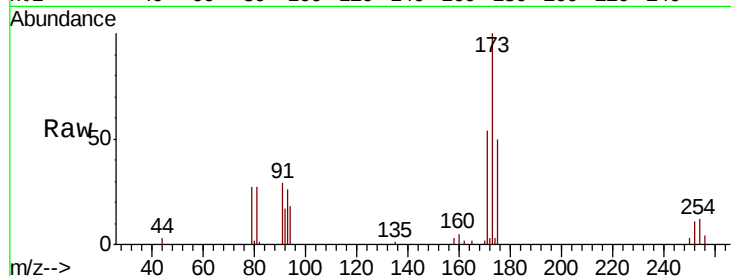
254 0.0 0.0 0.0

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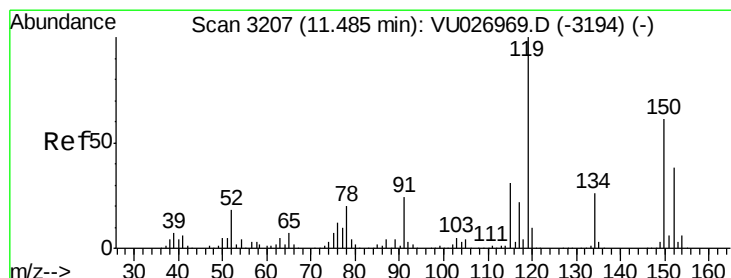
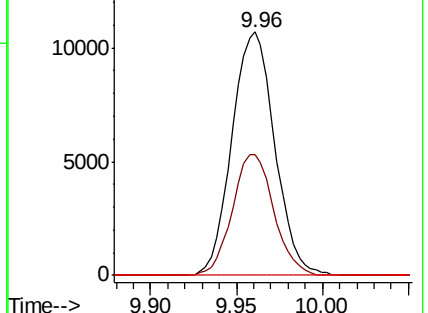
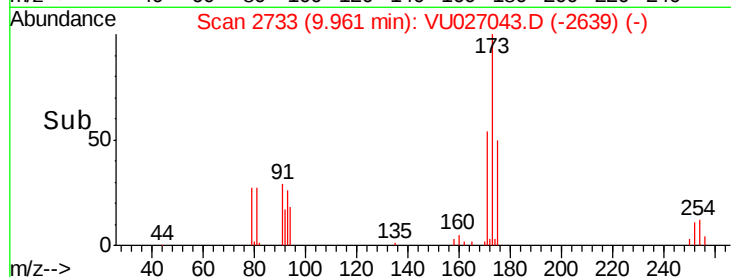
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Abundance Ion 172.70 (172.40 to 173.40): V

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# 3206

Delta R.T. -0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

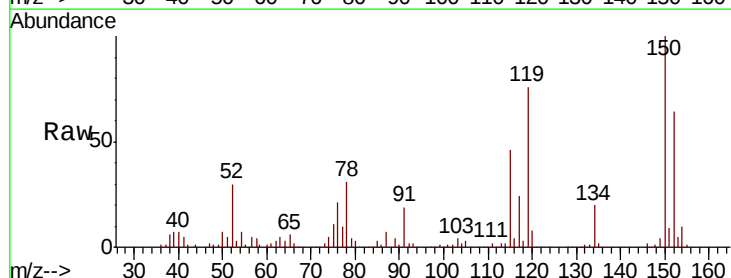
Tgt Ion:152 Resp: 71538

Ion Ratio Lower Upper

152 100

115 72.8 44.9 134.5

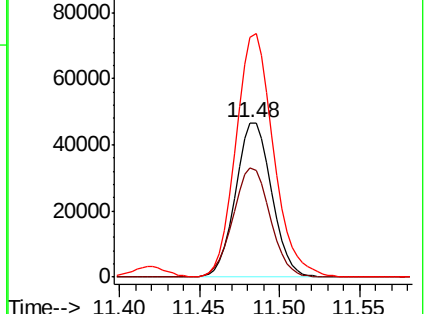
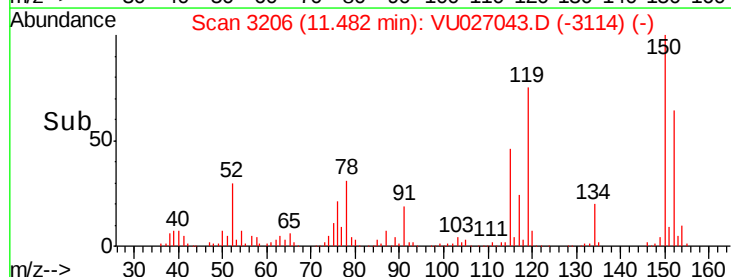
150 165.1 0.0 355.8

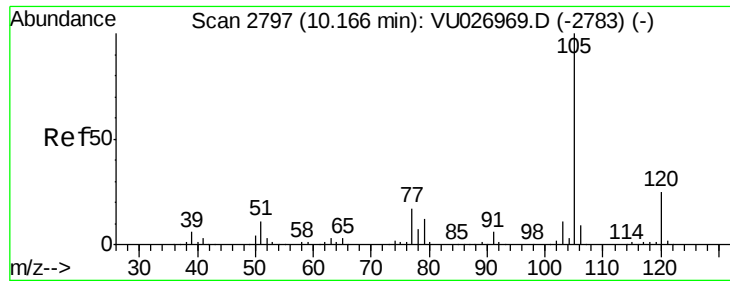


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.271 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS01

Tot Ion: 105 Resp: 115755

Ion Ratio Lower Upper

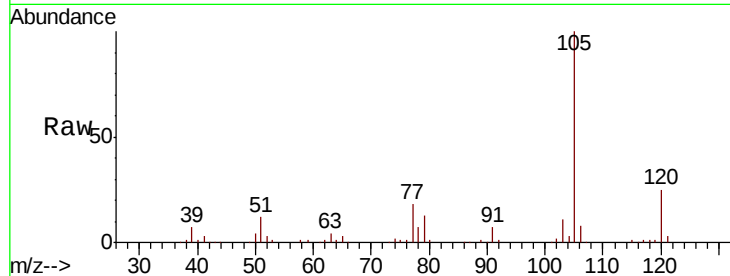
105 100

120 25.6 12.8 38.4

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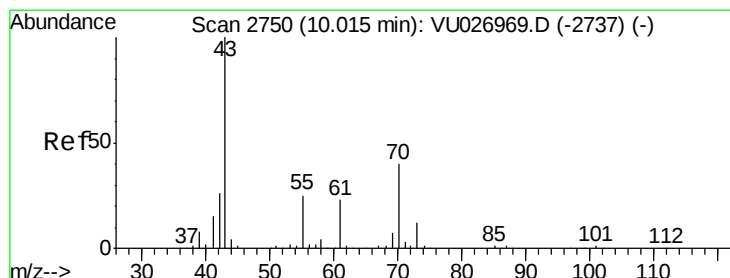
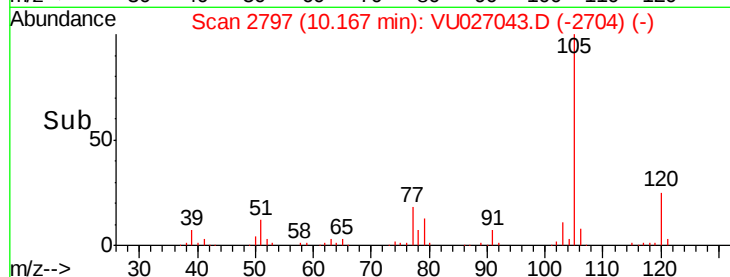
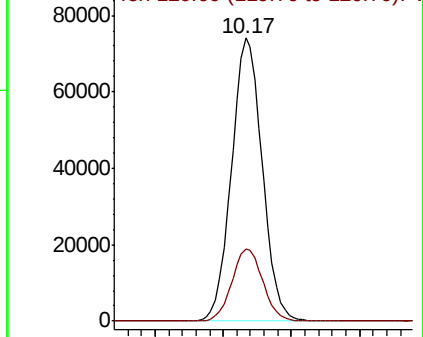
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.699 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Tgt Ion: 43 Resp: 65200

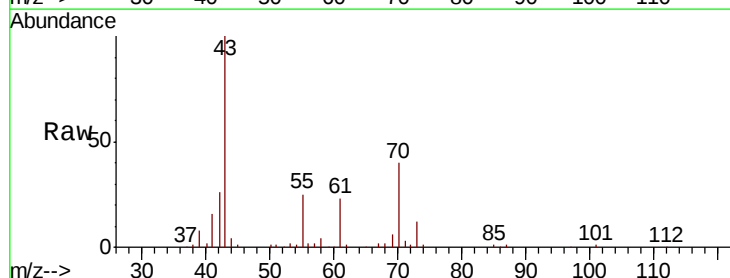
Ion Ratio Lower Upper

43 100

70 38.7 31.8 47.8

55 24.5 19.9 29.9

61 22.4 18.4 27.6

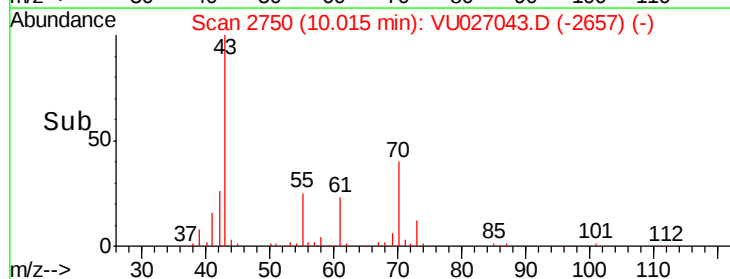
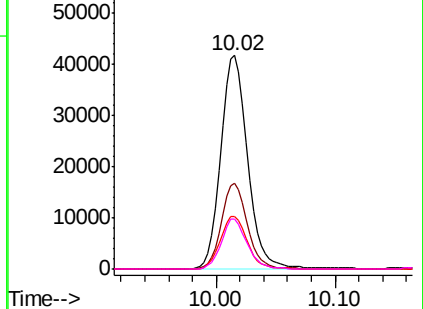


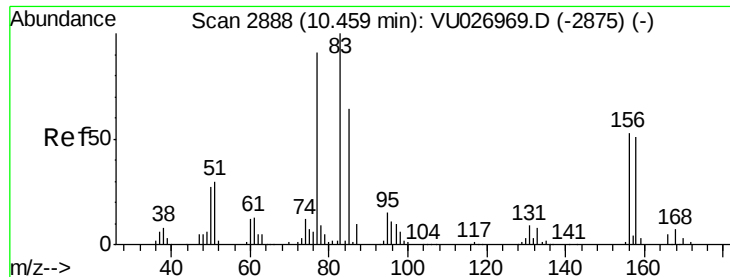
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.107 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Instrument :

MSVOA_U

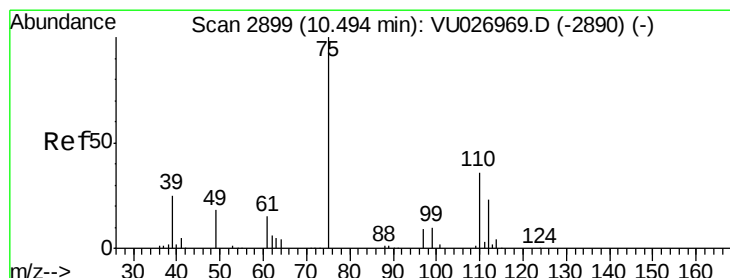
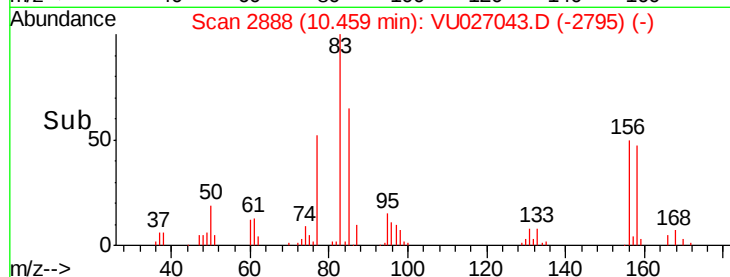
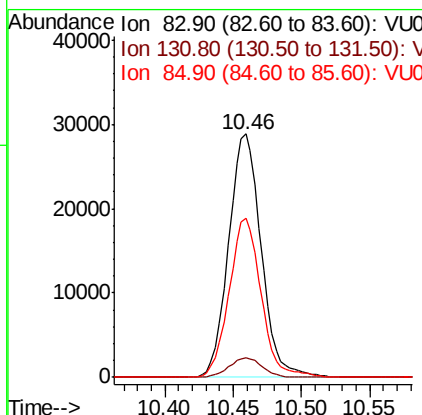
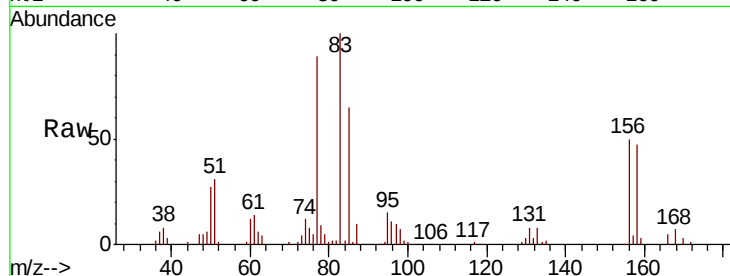
ClientSampleId :

VU0923WBS01

Tot Ion:	83	Resp:	47806
Ion Ratio	Lower	Upper	
83	100		
131	8.0	4.3	12.8
85	64.3	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 19.711 ug/l m

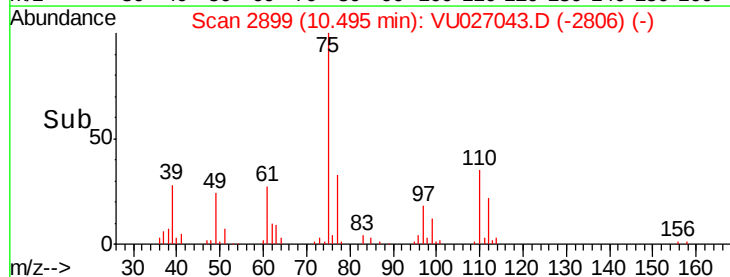
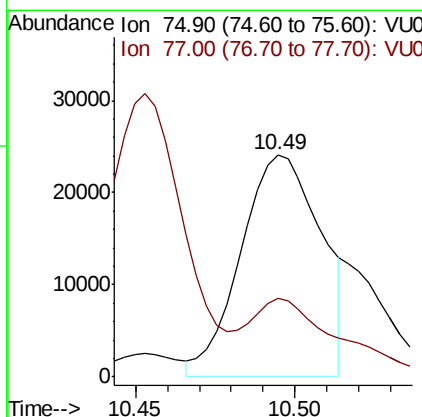
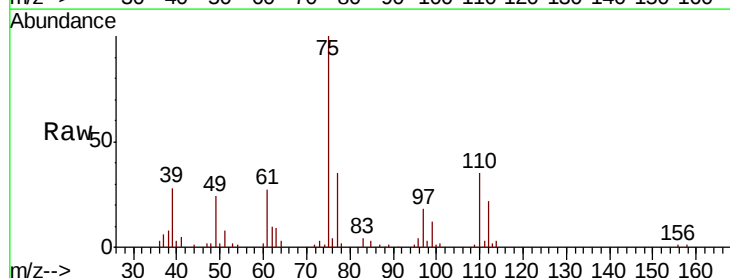
RT: 10.49 min Scan# 2899

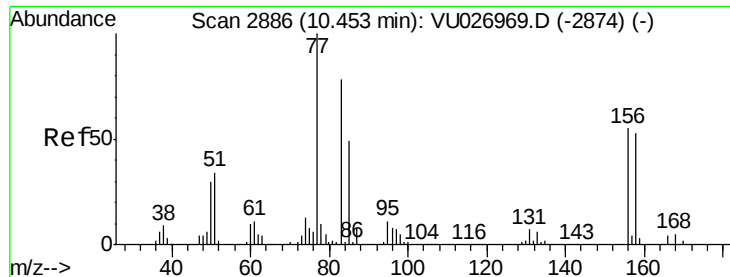
Delta R.T. 0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Tgt Ion:	75	Resp:	42839
Ion Ratio	Lower	Upper	
75	100		
77	38.7	20.9	62.8





#77

Bromobenzene

Concen: 20.354 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Instrument :

MSVOA_U

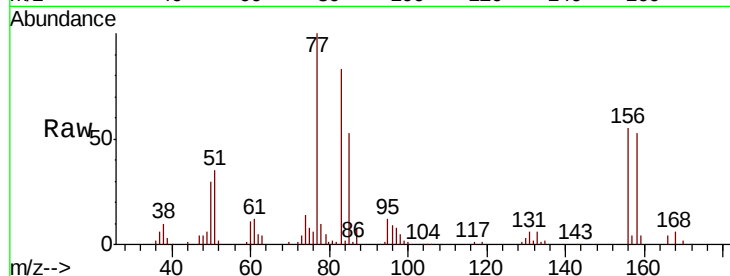
ClientSampleId :

VU0923WBS01

Tot Ion:	156	Resp:	27067
Ion	Ratio	Lower	Upper
156	100		
77	188.4	92.3	276.9
158	96.1	48.1	144.3

Manual Integrations
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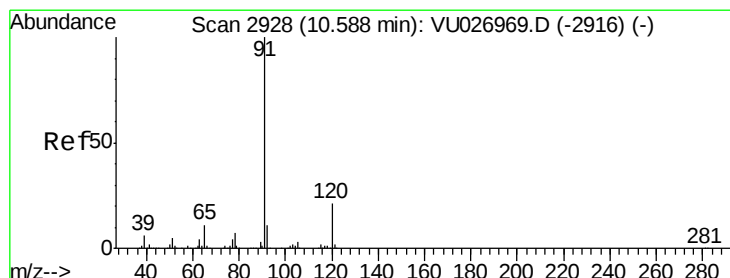
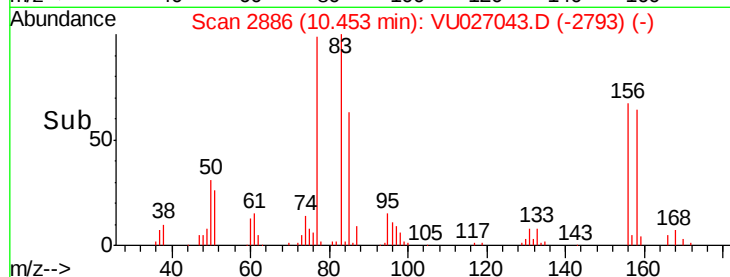
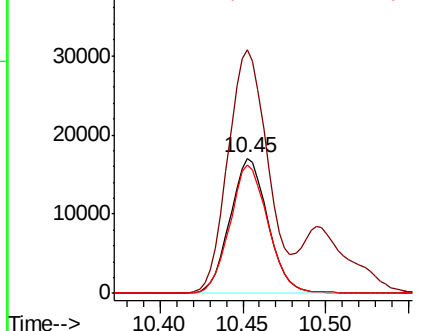
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.229 ug/l

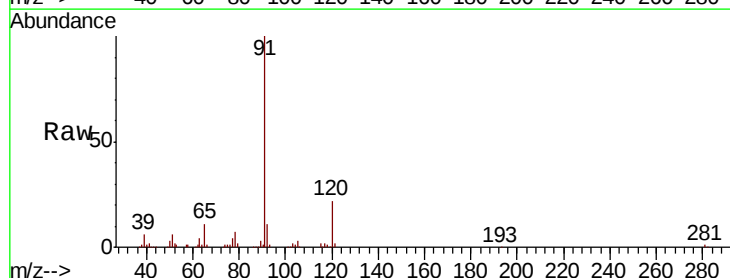
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027043.D

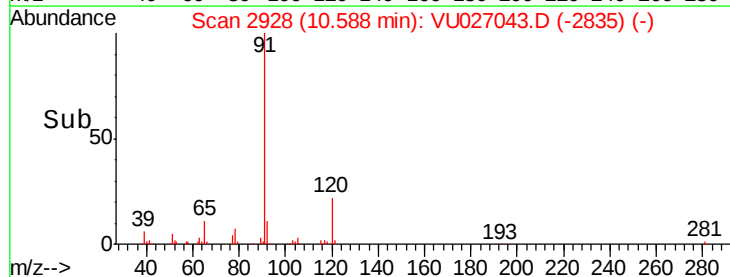
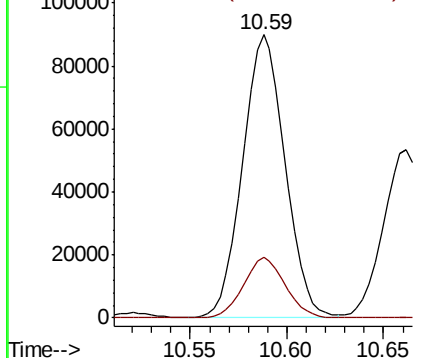
Acq: 23 Sep 2018 02:38

Tgt Ion:	91	Resp:	136690
Ion	Ratio	Lower	Upper
91	100		
120	21.0	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.803 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS01

Tot Ion: 91 Resp: 84138

Ion Ratio Lower Upper

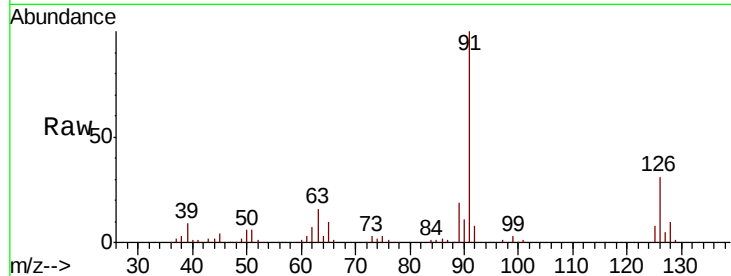
91 100

126 31.0 15.8 47.3

Manual Integrations
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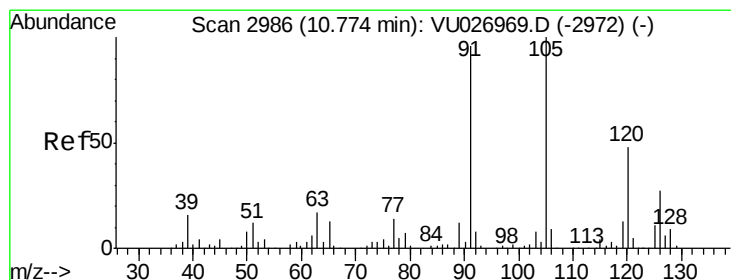
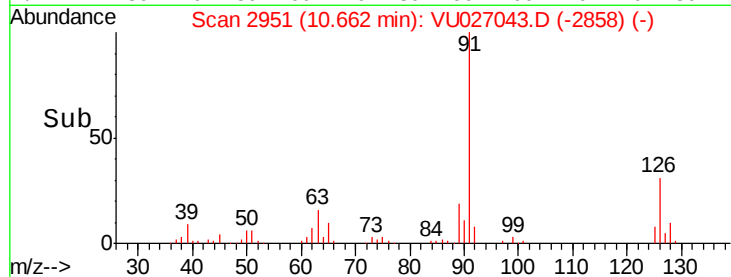
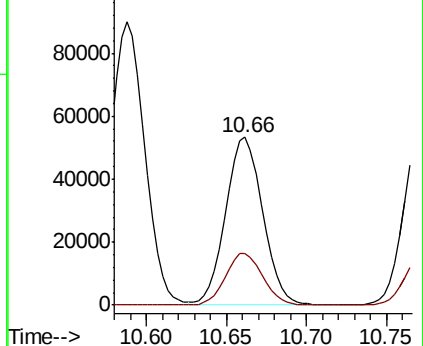
MMDadoda

9/24/2018 4:40:30 PM



Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU026969.D (-2940) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.321 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027043.D

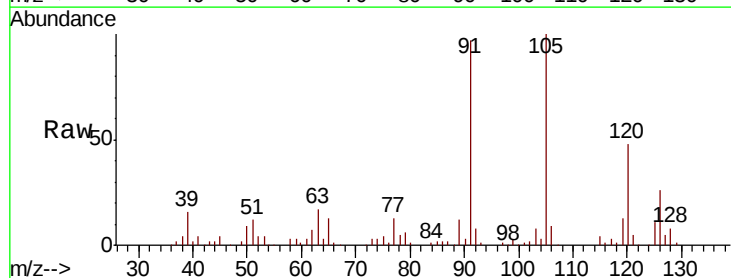
Acq: 23 Sep 2018 02:38

Tgt Ion: 105 Resp: 95776

Ion Ratio Lower Upper

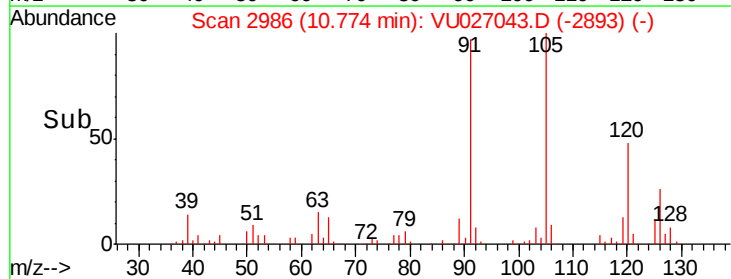
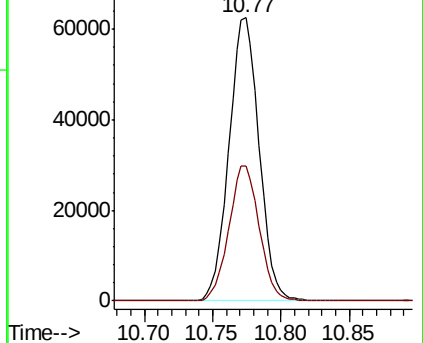
105 100

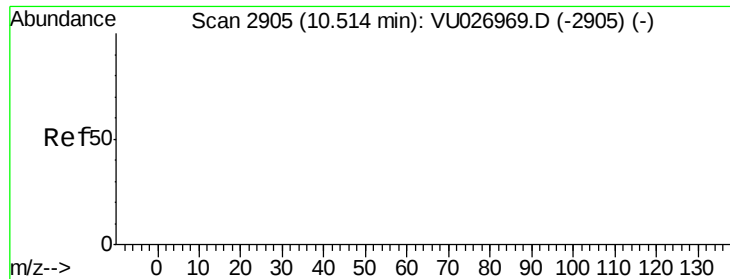
120 48.1 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VU026969.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU026969.D (-2972) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.414 ug/l

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

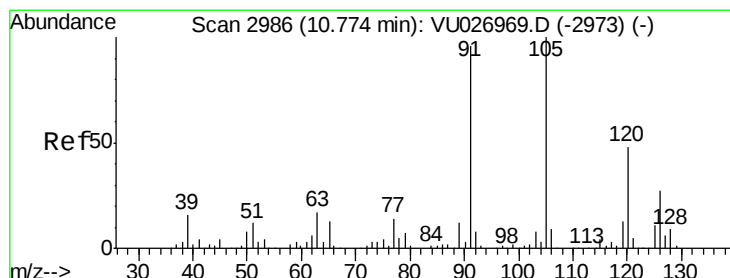
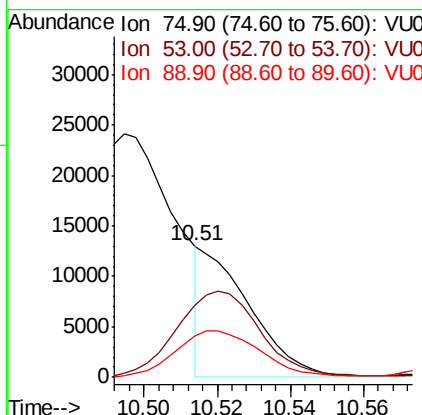
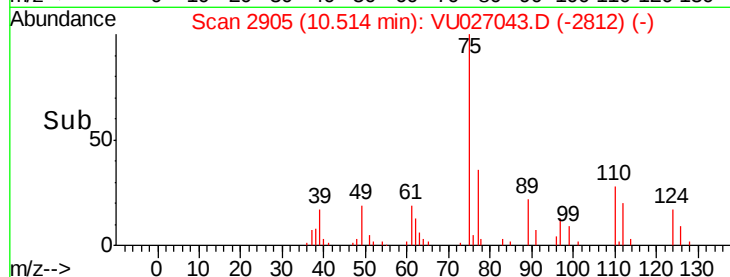
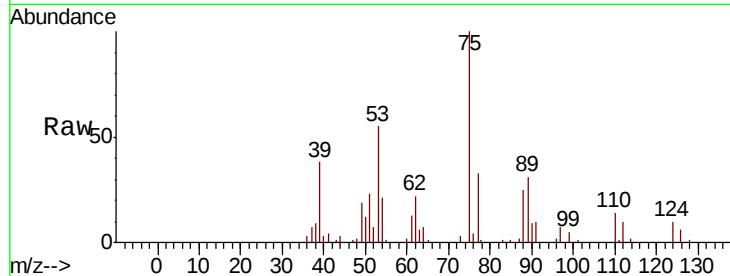
Instrument :
MSVOA_U

ClientSampleId :
VU0923WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.960 ug/l

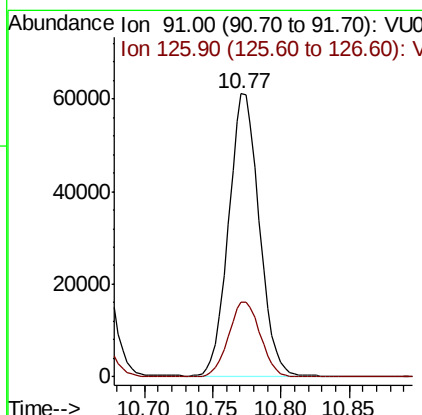
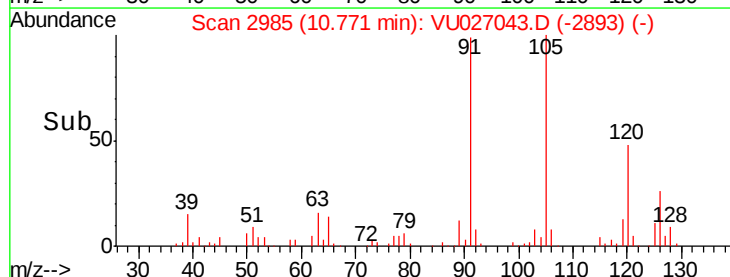
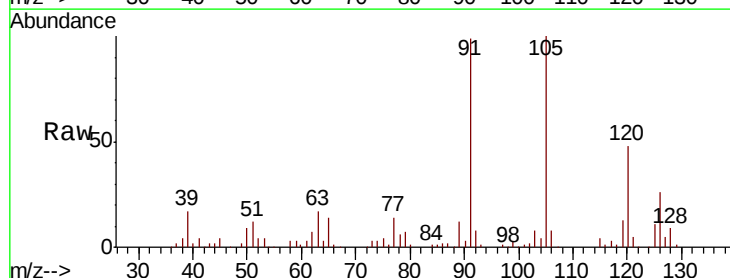
RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.5	14.1	42.2





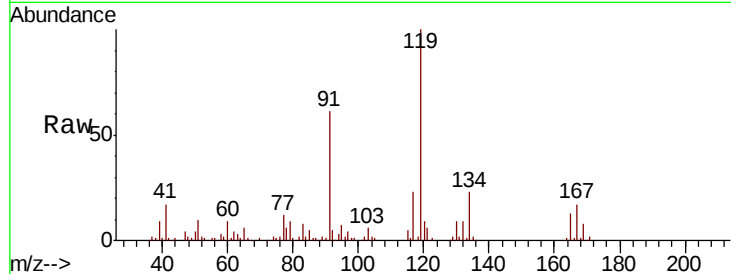
#83
tert-Butylbenzene
Concen: 20.211 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.7	29.8	89.4
134	23.2	11.5	34.4

Manual Integrations
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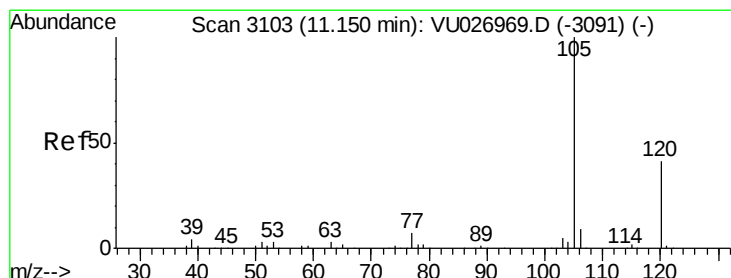
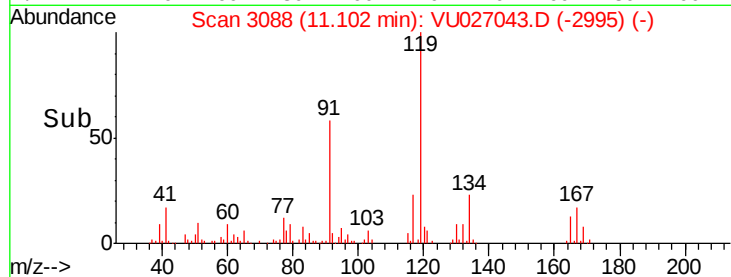
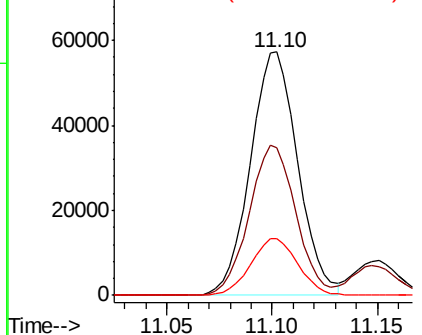


Abundance

Ion 119.00 (118.70 to 119.70): V

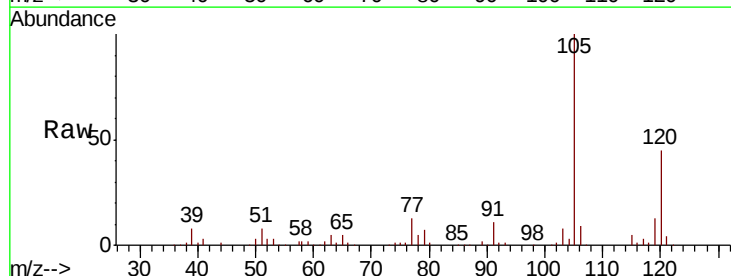
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 21.347 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

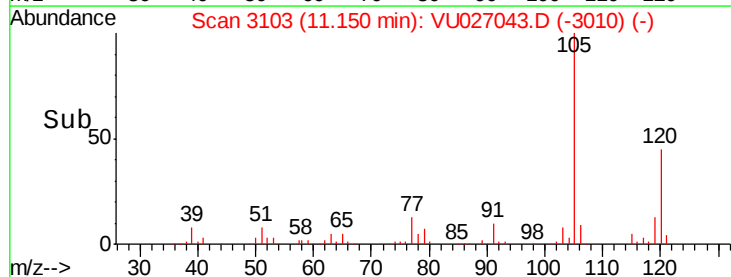
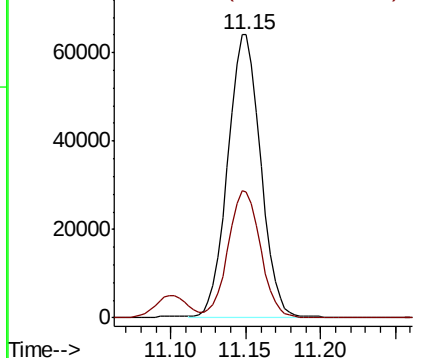
Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.4	67.2

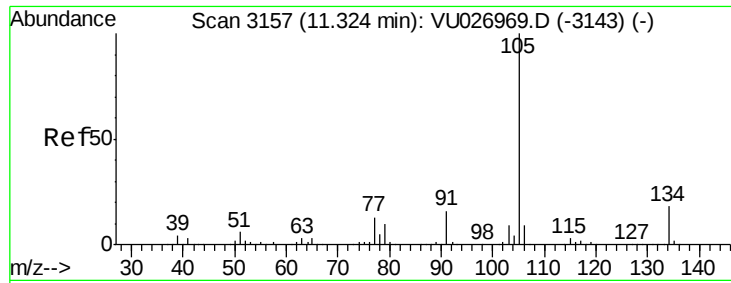


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.248 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS01

Tot Ion:105 Resp: 115192

Ion Ratio Lower Upper

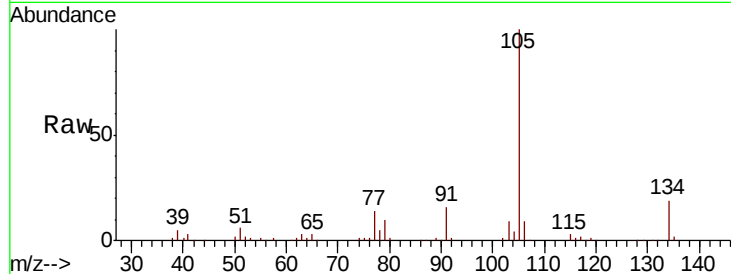
105 100

134 18.7 9.4 28.2

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

80000

60000

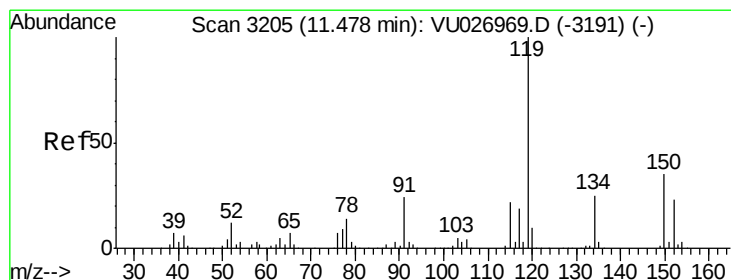
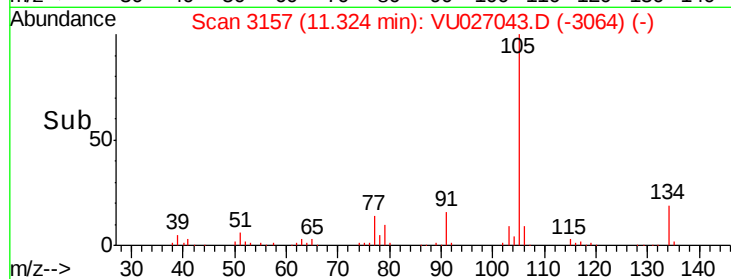
40000

20000

0

Time-->

11.25 11.30 11.35 11.40



#86

p-Isopropyltoluene

Concen: 19.250 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027043.D

Acq: 23 Sep 2018 02:38

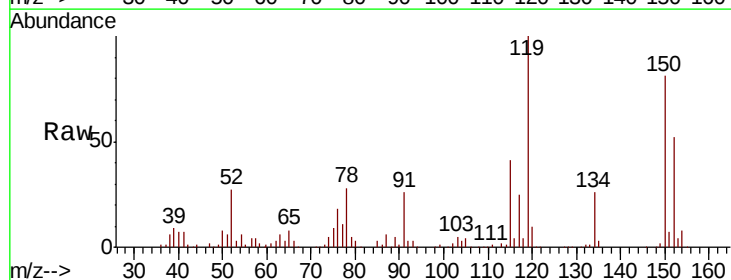
Tgt Ion:119 Resp: 94970

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.3

91 25.6 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU

11.48

80000

60000

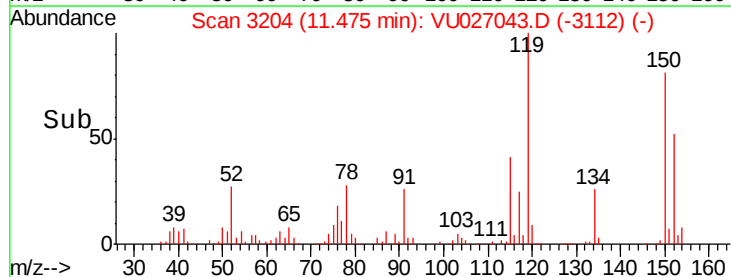
40000

20000

0

Time-->

11.40 11.45 11.50 11.55





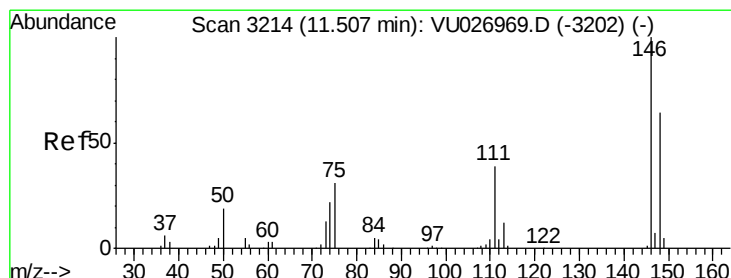
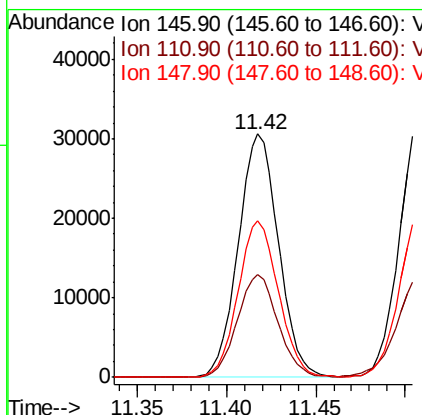
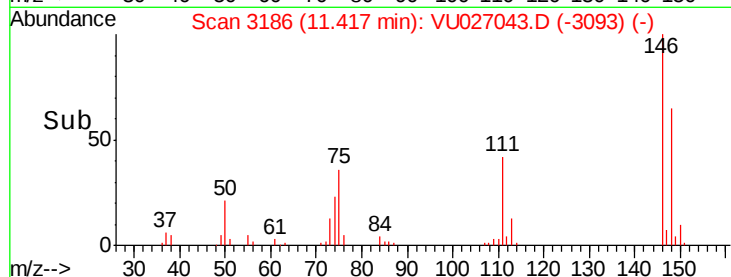
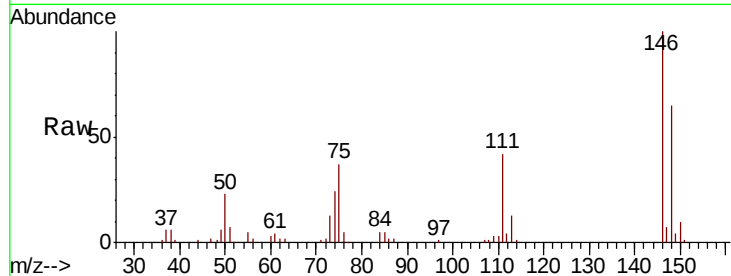
#87
 1,3-Dichlorobenzene
 Concen: 19.500 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027043.D
 Acq: 23 Sep 2018 02:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0923WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.8	62.2
148	64.5	32.0	96.2

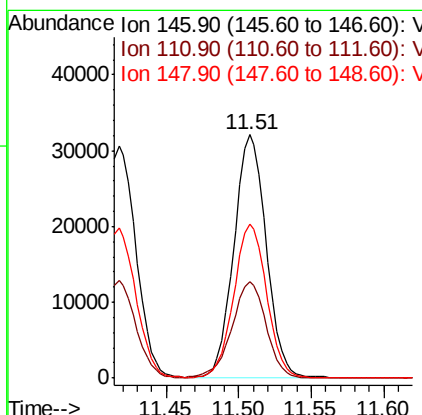
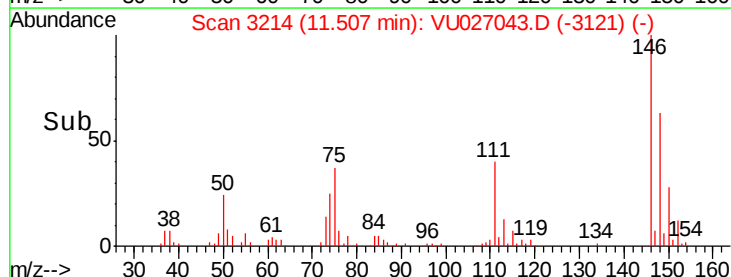
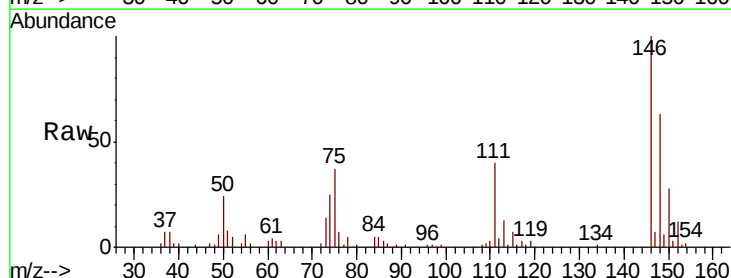
Manual Integrations
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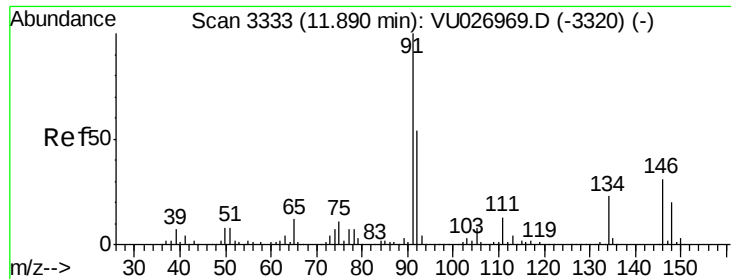
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 18.468 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027043.D
 Acq: 23 Sep 2018 02:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.3	60.9
148	64.6	31.9	95.9





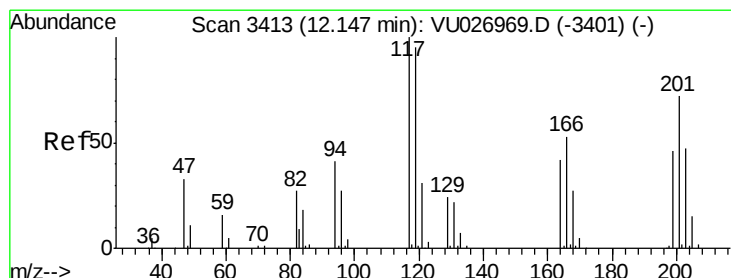
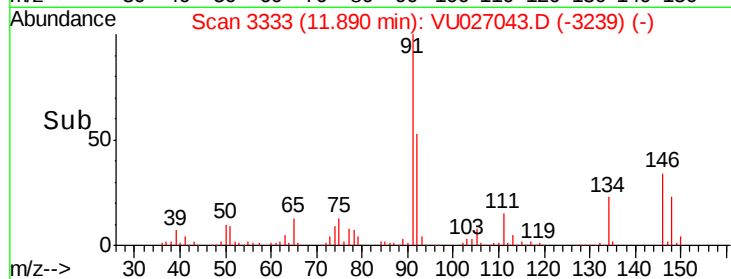
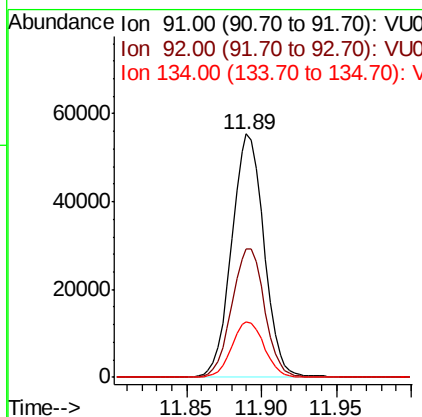
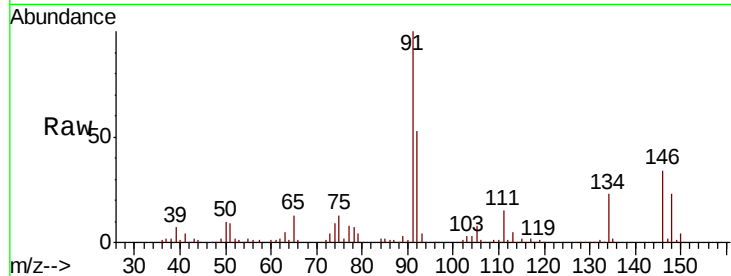
#89
n-Butylbenzene
Concen: 18.546 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.1	81.2
134	22.8	11.7	35.0

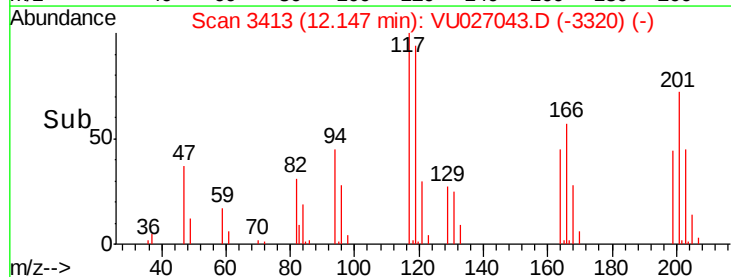
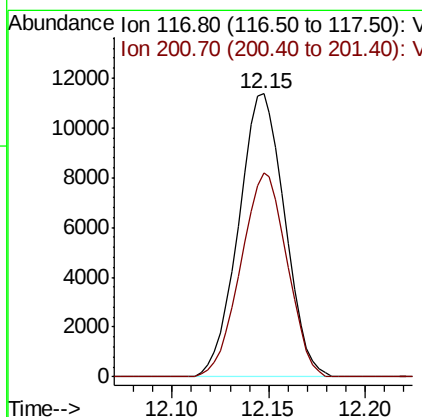
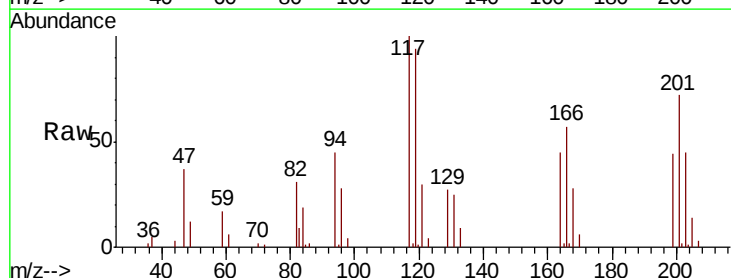
Manual Integrations
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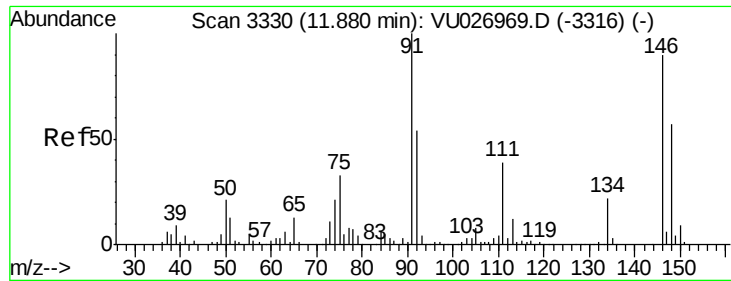
MMDadoda
9/24/2018 4:40:30 PM



#90
Hexachloroethane
Concen: 19.163 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.1	36.8	110.3





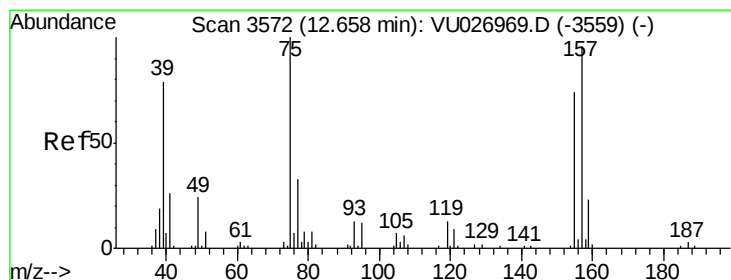
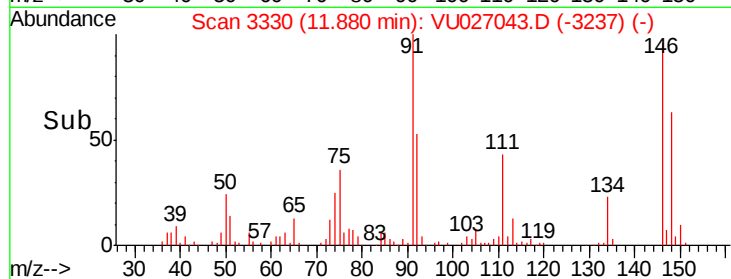
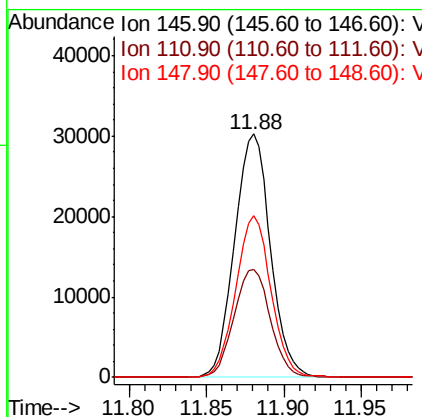
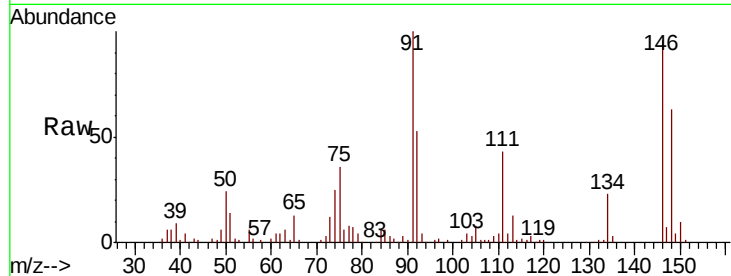
#91
 1,2-Dichlorobenzene
 Concen: 18.529 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027043.D
 Acq: 23 Sep 2018 02:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0923WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.8	65.3
148	65.3	31.9	95.7

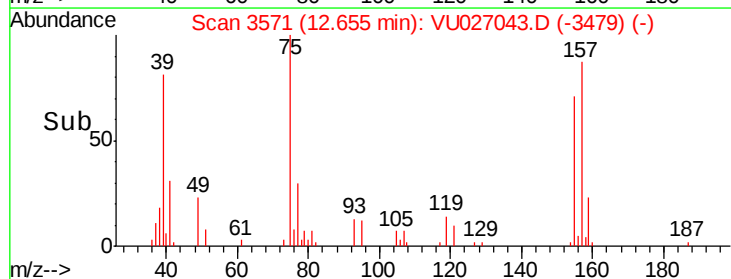
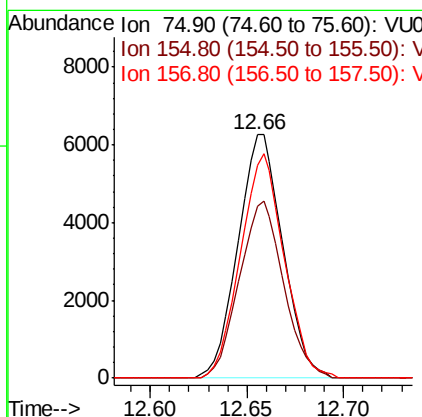
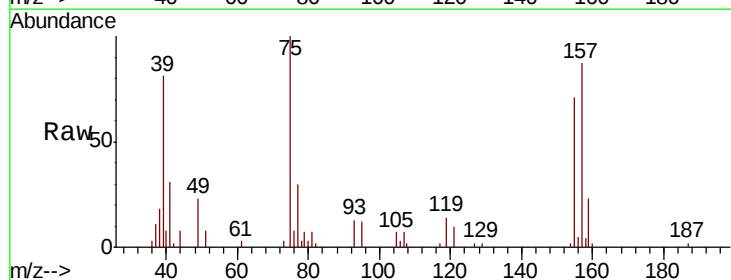
Manual Integrations
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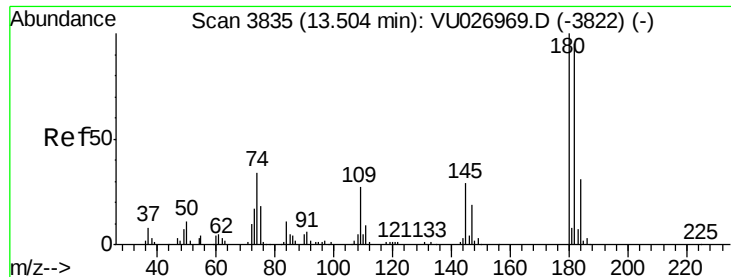
MMDadoda
 9/24/2018 4:40:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.780 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027043.D
 Acq: 23 Sep 2018 02:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.7	36.6	109.8
157	89.9	47.4	142.2





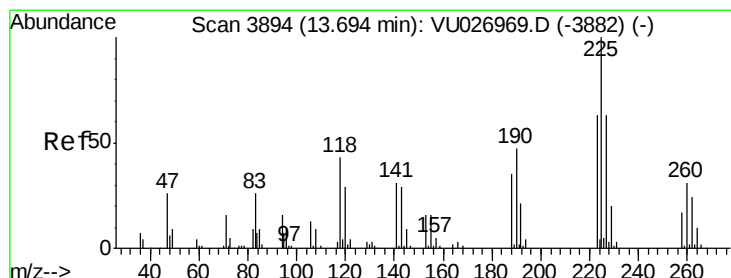
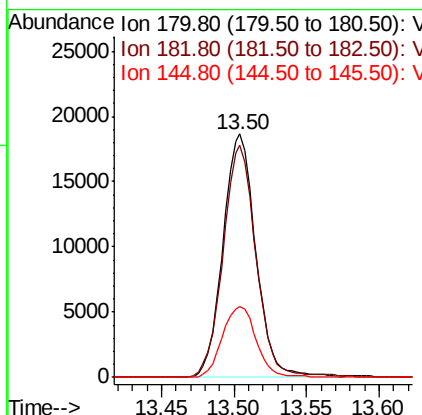
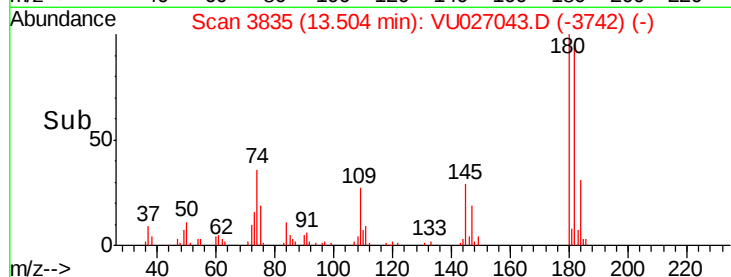
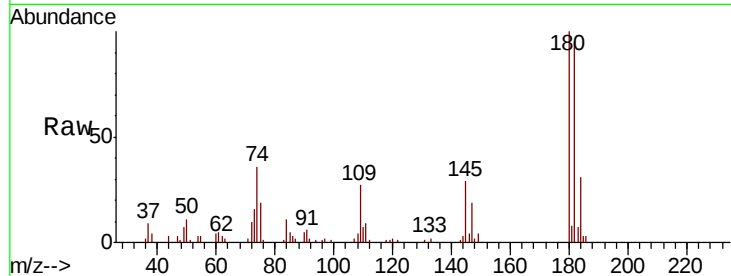
#93
 1,2,4-Trichlorobenzene
 Concen: 19.356 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027043.D
 Acq: 23 Sep 2018 02:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0923WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.4	142.2
145	29.9	14.9	44.5

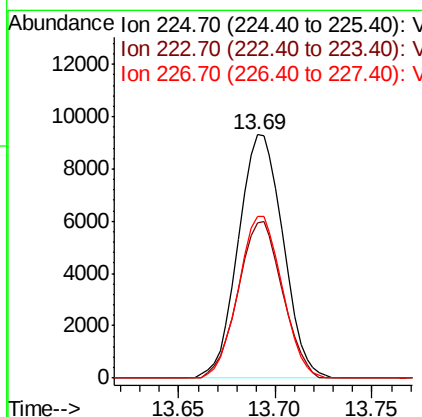
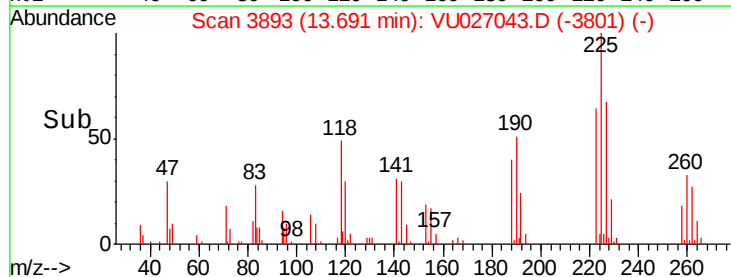
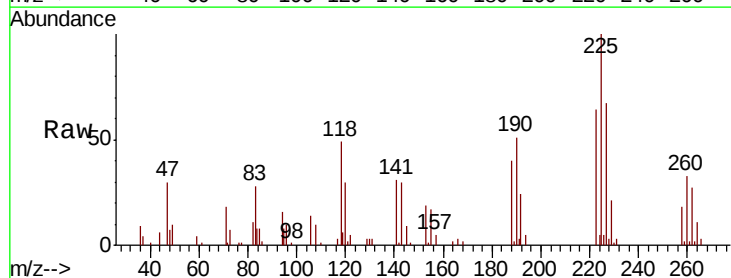
Manual Integrations
 APPROVED

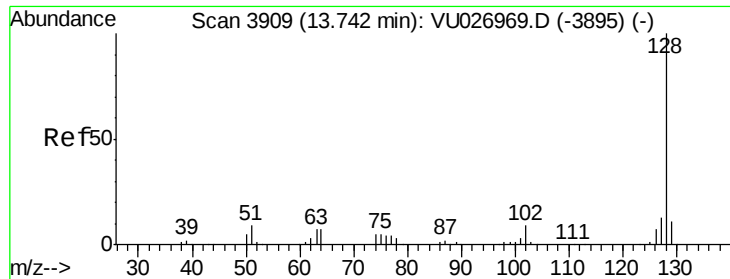
MMDadoda
 9/24/2018 4:40:30 PM



#94
 Hexachlorobutadiene
 Concen: 18.735 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU027043.D
 Acq: 23 Sep 2018 02:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.7
227	64.9	32.1	96.5





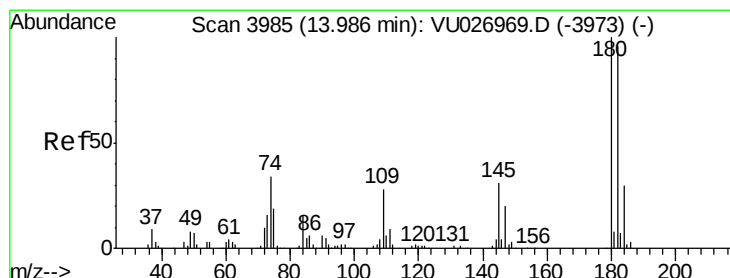
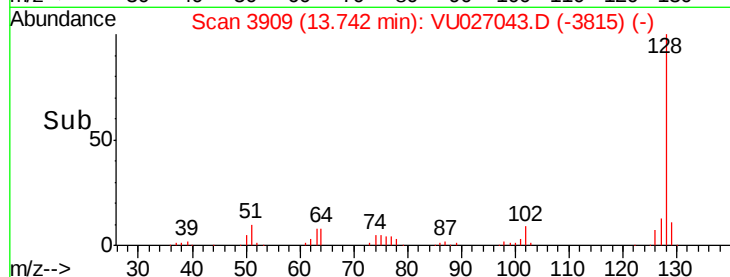
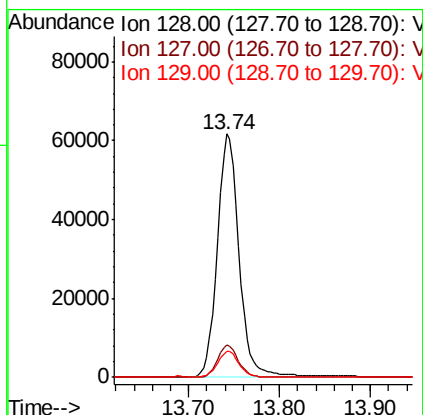
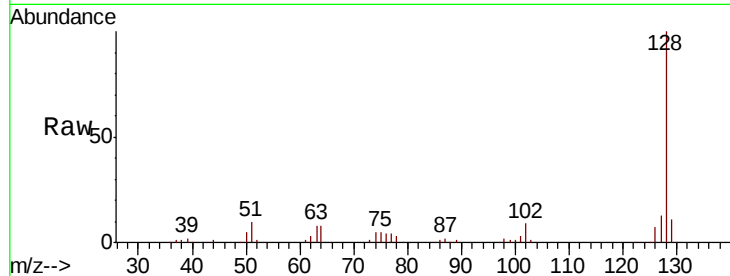
#95
Naphthalene
Concen: 18.501 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	15.8
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/24/2018 4:40:30 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.996 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027043.D
Acq: 23 Sep 2018 02:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	47.5	142.5
145	31.4	15.4	46.4

