

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100118\
 Data File : VU027324.D
 Acq On : 01 Oct 2018 17:35
 Operator : MD/SY
 Sample : VU1001WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1001WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 11:41:47 AM

Quant Time: Oct 02 07:54:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	117260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	199992	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	188093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	88057	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	93518	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
35) Dibromofluoromethane	4.88	113	65958	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
50) Toluene-d8	7.57	98	257844	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	10.31	95	90765	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	34989	20.697	ug/l	99
3) Chloromethane	1.33	50	44268	19.341	ug/l	97
4) Vinyl Chloride	1.40	62	42538	19.771	ug/l	98
5) Bromomethane	1.62	94	19062	20.476	ug/l	98
6) Chloroethane	1.69	64	24195	18.715	ug/l	100
7) Trichlorofluoromethane	1.88	101	43664	20.002	ug/l	98
8) Diethyl Ether	2.10	74	20133	20.021	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	26030	20.532	ug/l	98
10) Methyl Iodide	2.41	142	11094	16.663	ug/l	98
11) Tert butyl alcohol	2.83	59	42850	103.922	ug/l	99
12) 1,1-Dichloroethene	2.28	96	24482	19.766	ug/l	99
13) Acrolein	2.20	56	28401	82.087	ug/l	100
14) Allyl chloride	2.59	41	57256	19.466	ug/l	98
15) Acrylonitrile	2.94	53	107293	99.976	ug/l	98
16) Acetone	2.32	43	103580	89.545	ug/l	100
17) Carbon Disulfide	2.48	76	83296	18.646	ug/l	99
18) Methyl Acetate	2.62	43	51824	19.639	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	97671	19.680	ug/l	98
20) Methylene Chloride	2.70	84	31121	19.315	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	27818	20.004	ug/l	98
22) Diisopropyl ether	3.58	45	120486	20.154	ug/l	98
23) Vinyl Acetate	3.53	43	522242	100.031	ug/l	100
24) 1,1-Dichloroethane	3.45	63	61902	20.142	ug/l	100
25) 2-Butanone	4.27	43	158274	100.339	ug/l	100
26) 2,2-Dichloropropane	4.23	77	48163	19.072	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	30800	19.368	ug/l	98
28) Bromochloromethane	4.55	49	28915	19.501	ug/l	99
29) Tetrahydrofuran	4.64	42	102988	103.600	ug/l	99
30) Chloroform	4.68	83	55431	20.301	ug/l	98
31) Cyclohexane	5.00	56	61340	19.387	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	46148	20.067	ug/l	98
36) 1,1-Dichloropropene	5.14	75	41787	19.244	ug/l	99
37) Ethyl Acetate	4.39	43	56141	20.005	ug/l	99
38) Carbon Tetrachloride	5.14	117	38558	19.657	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	48302	19.029	ug/l	96
40) Benzene	5.39	78	125206	19.795	ug/l	98
41) Methacrylonitrile	4.55	41	31414	19.804	ug/l	98
42) 1,2-Dichloroethane	5.41	62	47751	20.338	ug/l	99
43) Isopropyl Acetate	5.55	43	88063	20.204	ug/l	99
44) Trichloroethene	6.19	130	27035	19.168	ug/l	99
45) 1,2-Dichloropropane	6.44	63	36703	20.118	ug/l	99
46) Dibromomethane	6.56	93	21398	20.767	ug/l	97
47) Bromodichloromethane	6.76	83	42043	19.664	ug/l	99
48) Methyl methacrylate	6.62	41	43433	20.038	ug/l	97
49) 1,4-Dioxane	6.61	88	16996	455.737	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	289824	102.328	ug/l	100
52) Toluene	7.64	92	74833	19.988	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	49196	19.625	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	53320	19.785	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	29788	20.068	ug/l	97
56) Ethyl methacrylate	8.02	69	49294	18.825	ug/l	98
57) 1,3-Dichloropropane	8.24	76	56746	19.693	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	141310	95.774	ug/l	100
59) 2-Hexanone	8.36	43	223131	101.558	ug/l	99
60) Dibromochloromethane	8.48	129	29337	19.706	ug/l	99
61) 1,2-Dibromoethane	8.59	107	31485	19.950	ug/l	100
64) Tetrachloroethene	8.23	164	23029	19.668	ug/l	98
65) Chlorobenzene	9.12	112	76215	19.250	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	27341	20.004	ug/l	97
67) Ethyl Benzene	9.25	91	136117	19.405	ug/l	100
68) m/p-Xylenes	9.38	106	101581	39.590	ug/l	99
69) o-Xylene	9.78	106	48720	19.981	ug/l	99
70) Styrene	9.79	104	79992	19.043	ug/l	100
71) Bromoform	9.96	173	20894	19.000	ug/l #	99
73) Isopropylbenzene	10.17	105	131919	20.627	ug/l	100
74) N-amyl acetate	10.02	43	73894	20.183	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	51665	20.574	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	45916m	20.115	ug/l	
77) Bromobenzene	10.45	156	30644	20.617	ug/l	97
78) n-propylbenzene	10.59	91	157091	20.441	ug/l	100
79) 2-Chlorotoluene	10.66	91	93653	20.183	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	108518	20.841	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	13199m	15.133	ug/l	
82) 4-Chlorotoluene	10.77	91	108643	20.633	ug/l	100
83) tert-Butylbenzene	11.10	119	103668	20.595	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	112822	21.212	ug/l	99
85) sec-Butylbenzene	11.32	105	131714	20.768	ug/l	99
86) p-Isopropyltoluene	11.48	119	111117	20.462	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	56574	20.101	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	57808	20.100	ug/l	98
89) n-Butylbenzene	11.89	91	99946	18.617	ug/l	99
90) Hexachloroethane	12.15	117	19876	19.418	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	55993	20.439	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	11399	20.481	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	37647	21.238	ug/l	98
94) Hexachlorobutadiene	13.69	225	19195	21.432	ug/l	98
95) Naphthalene	13.74	128	130596	20.625	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	36704	19.875	ug/l	99

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

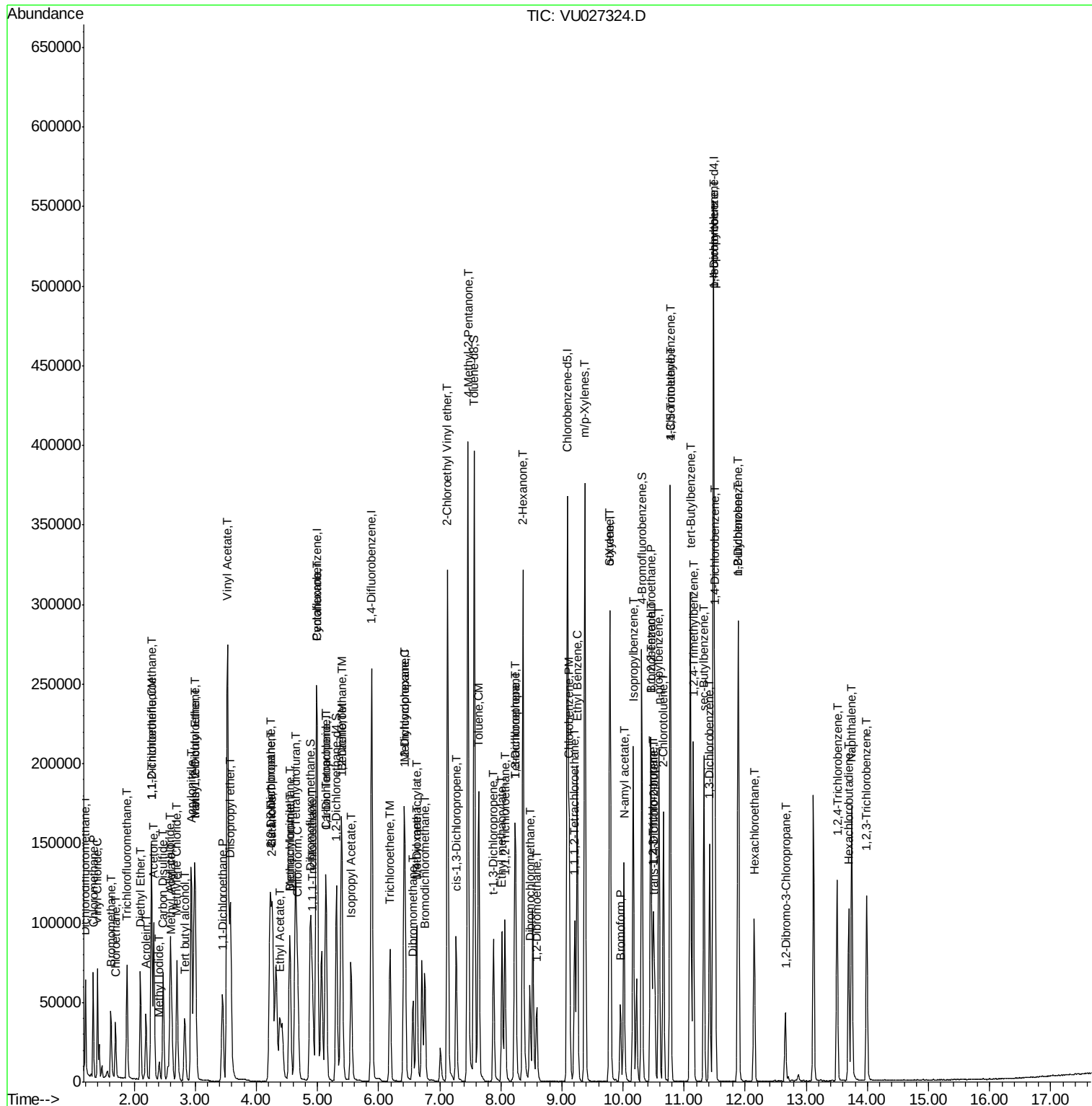
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 Data File : VU027324.D
 Acq On : 01 Oct 2018 17:35
 Operator : MD/SY
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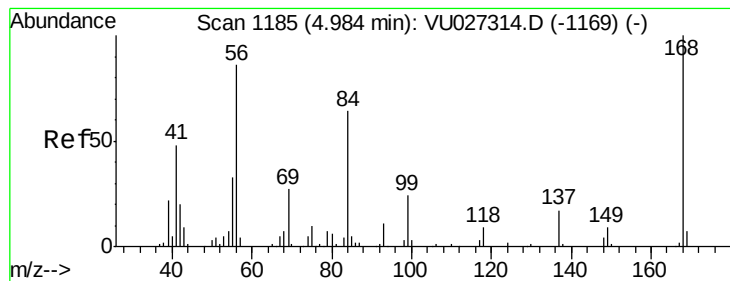
Instrument :
 MSVOA_U
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Instrument :

MSVOA_U

ClientSampleId :

VU1001WBSD01

Tot Ion:168 Resp: 117260

Ion Ratio Lower Upper

168 100

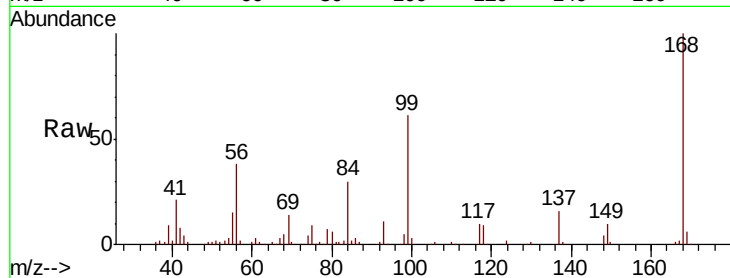
99 60.6 50.8 76.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

60000

50000

40000

30000

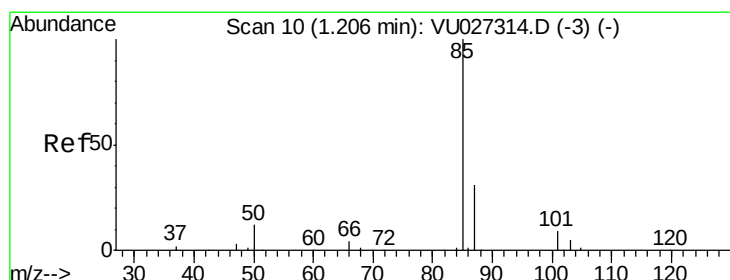
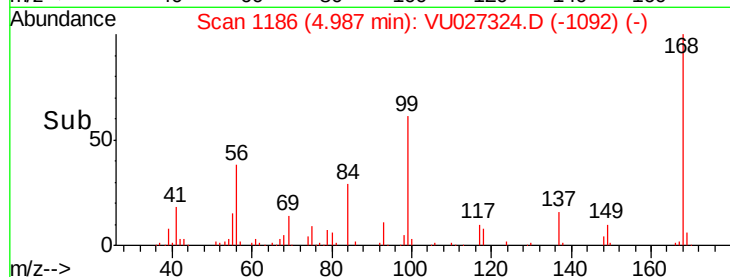
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 20.697 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027324.D

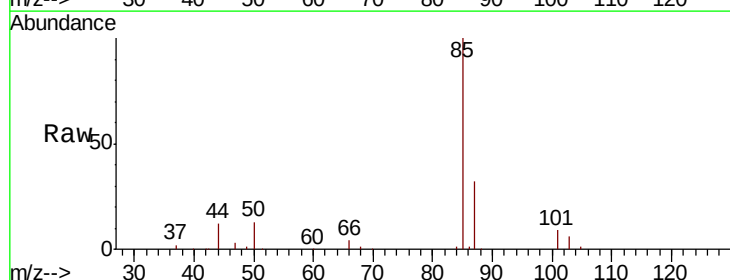
Acq: 01 Oct 2018 17:35

Tgt Ion: 85 Resp: 34989

Ion Ratio Lower Upper

85 100

87 31.8 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027314.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027314.D (-3) (-)

1.21

40000

30000

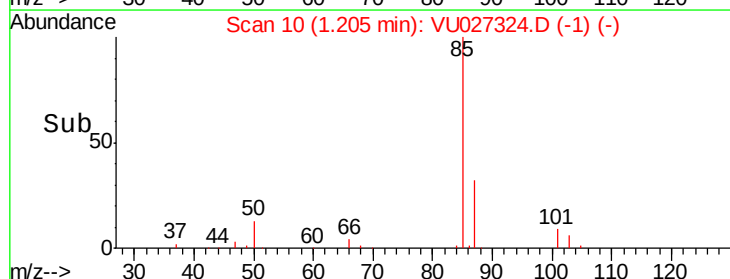
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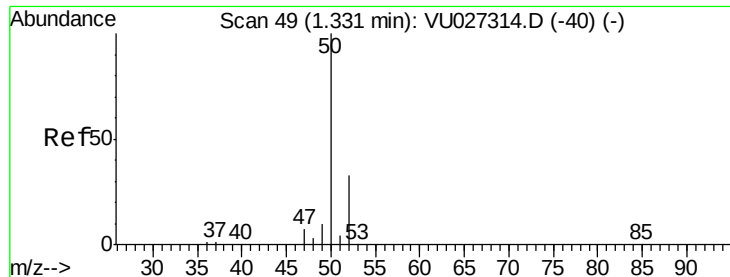
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.341 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Instrument :

MSVOA_U

ClientSampleId :

VU1001WBSD01

Tot Ion: 50 Resp: 44268

Ion Ratio Lower Upper

50 100

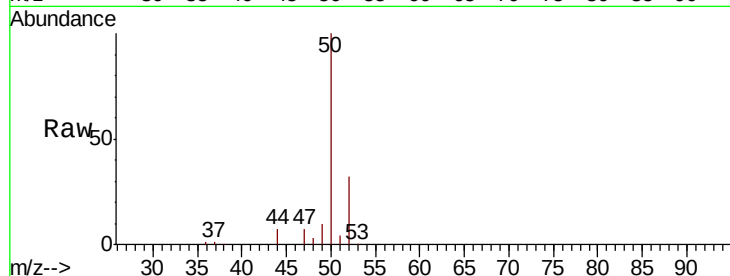
52 31.7 26.5 39.7

Manual Integrations

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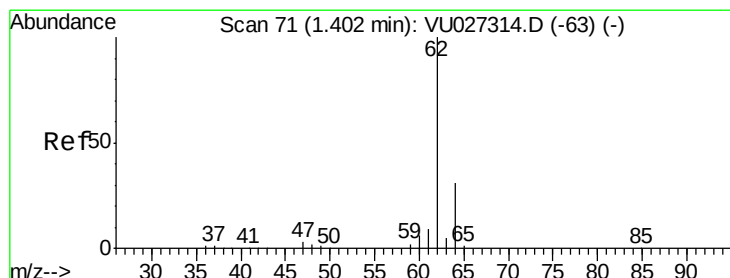
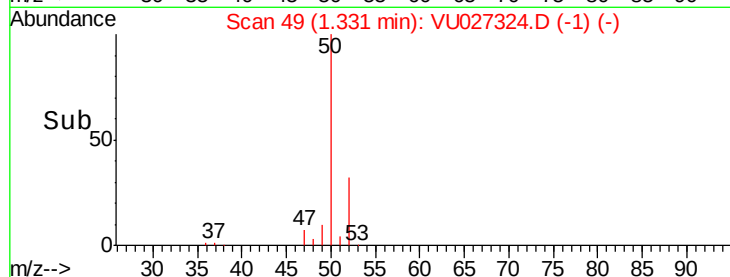
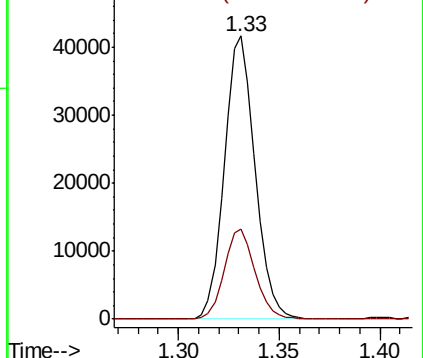
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 19.771 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027324.D

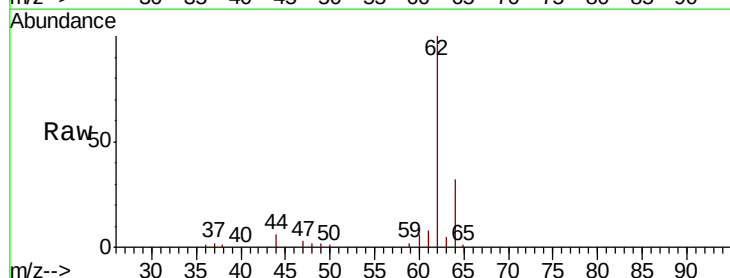
Acq: 01 Oct 2018 17:35

Tgt Ion: 62 Resp: 42538

Ion Ratio Lower Upper

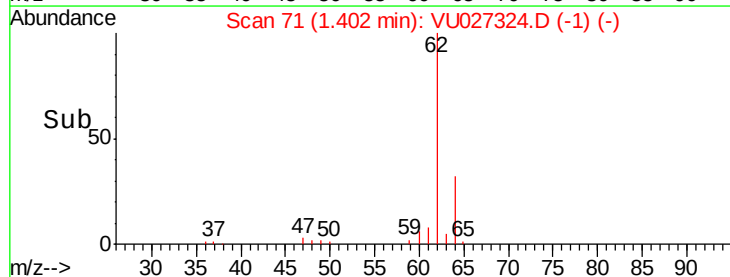
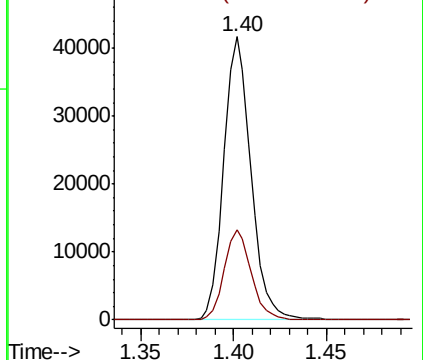
62 100

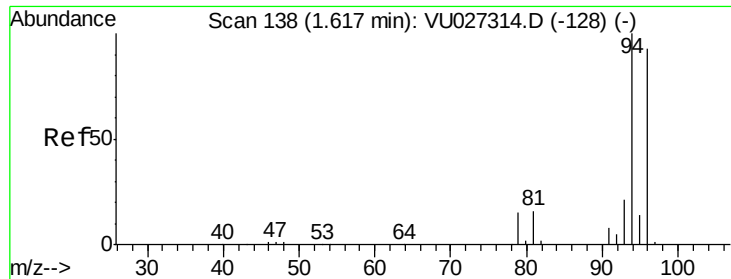
64 31.9 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 20.476 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

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VU1001WBSD01

Tot Ion: 94 Resp: 19062

Ion Ratio Lower Upper

94 100

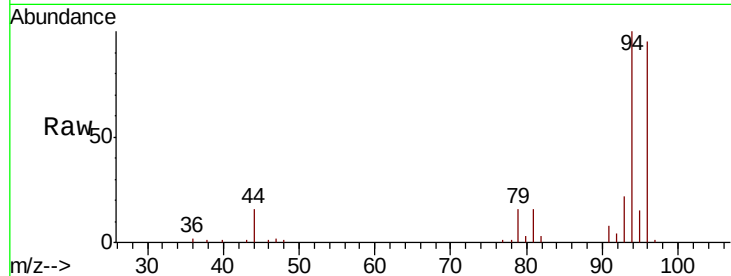
96 95.0 74.6 111.8

Manual Integrations

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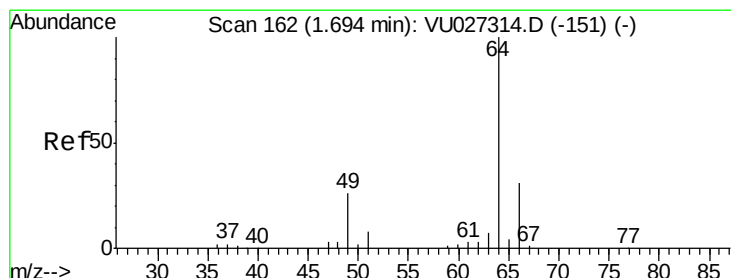
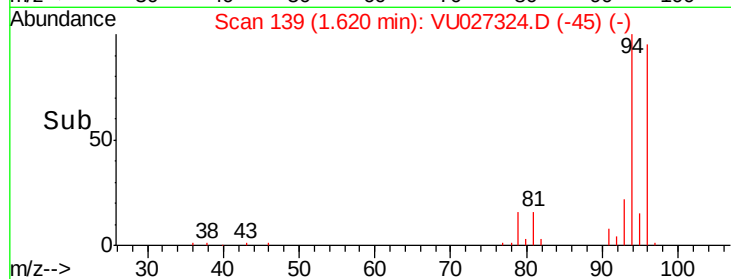
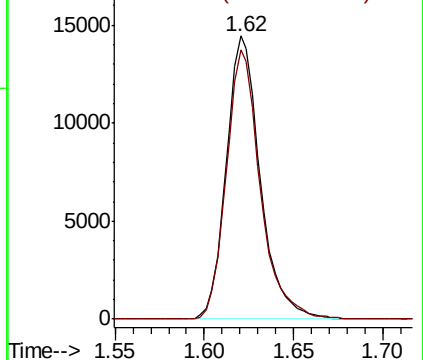
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 18.715 ug/l

RT: 1.69 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU027324.D

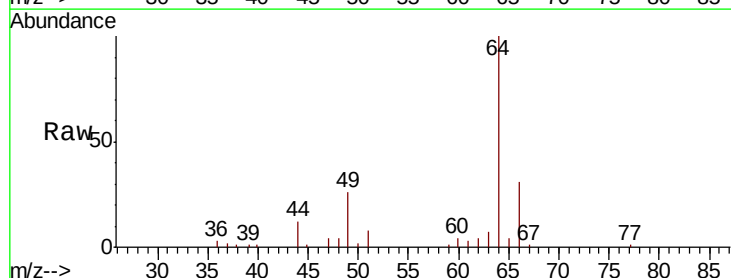
Acq: 01 Oct 2018 17:35

Tgt Ion: 64 Resp: 24195

Ion Ratio Lower Upper

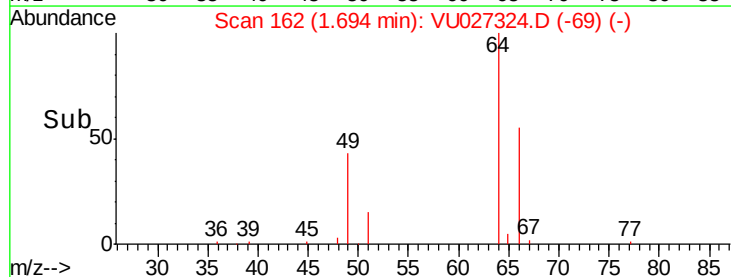
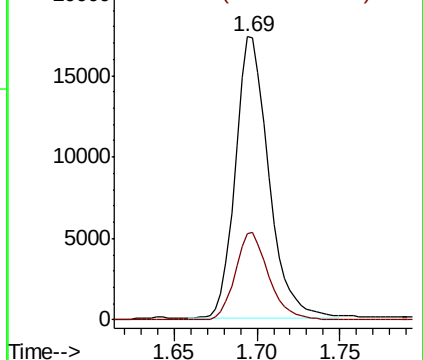
64 100

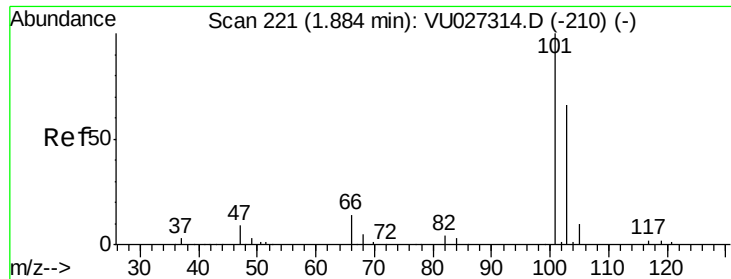
66 30.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

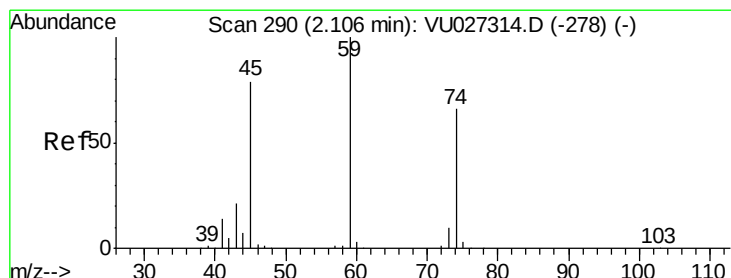
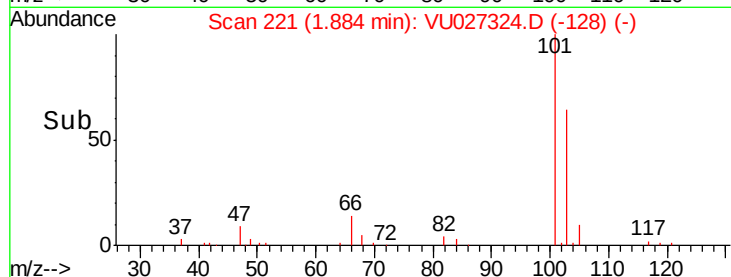
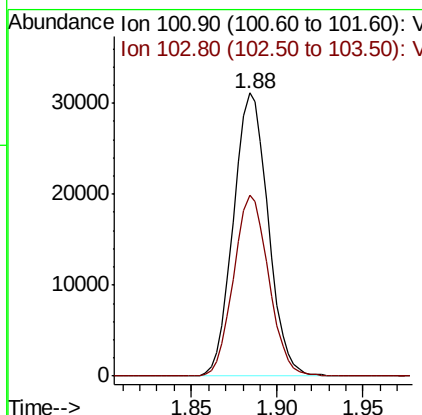
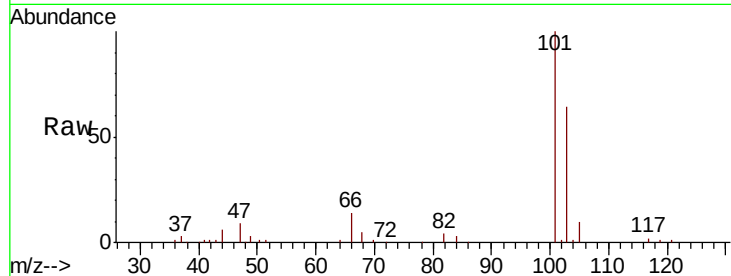
Trichlorofluoromethane
Concen: 20.002 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Instrument :
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ClientSampleId :
VU1001WBSD01

Tot Ion:101 Resp: 43664
Ion Ratio Lower Upper
101 100
103 63.8 52.6 78.8

Manual Integrations
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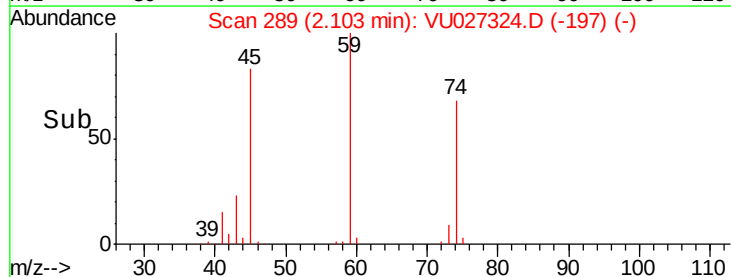
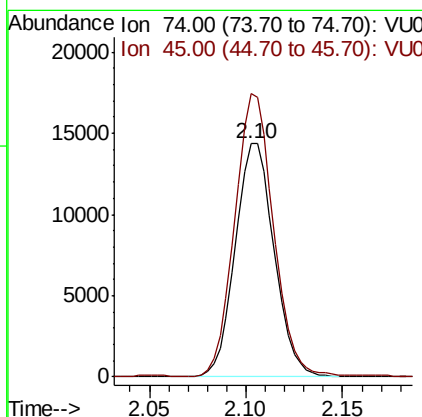
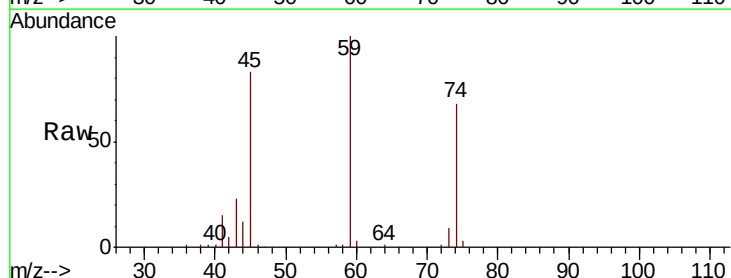
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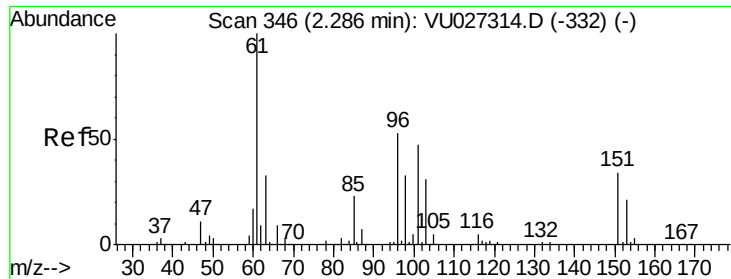


#8

Diethyl Ether
Concen: 20.021 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Tgt Ion: 74 Resp: 20133
Ion Ratio Lower Upper
74 100
45 120.9 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.532 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Instrument :

MSVOA_U

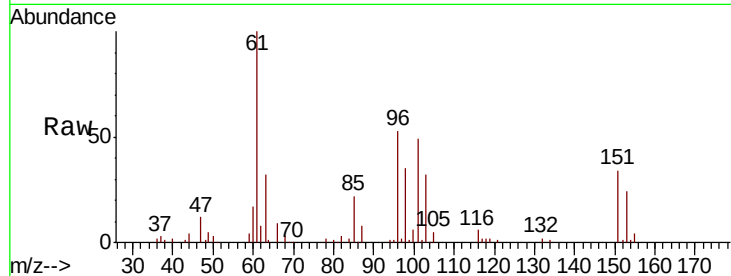
ClientSampleId :

VU1001WBSD01

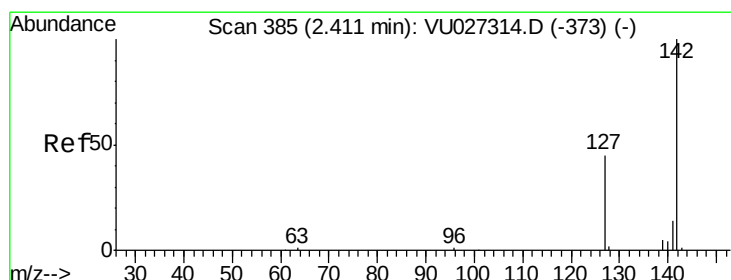
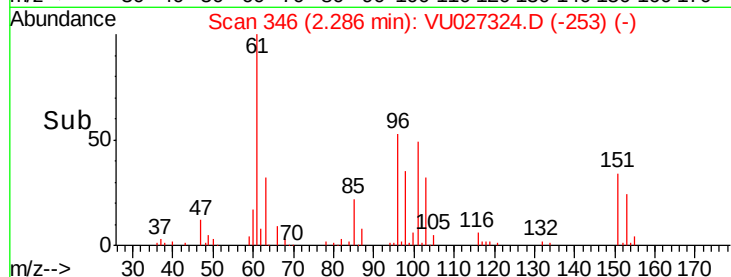
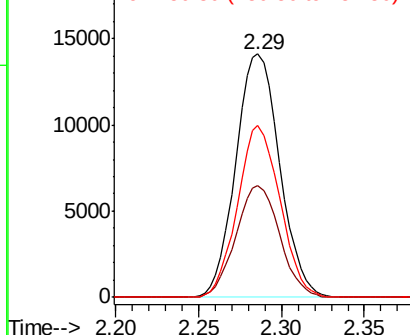
Tot Ion:	101	Resp:	26030
Ion Ratio	Lower	Upper	
101	100		
85	45.7	37.5	56.3
151	68.0	55.6	83.4

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.663 ug/l

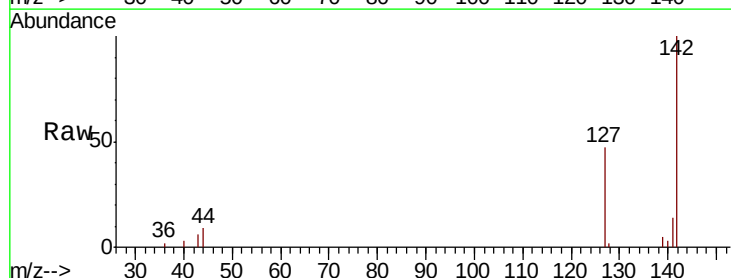
RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

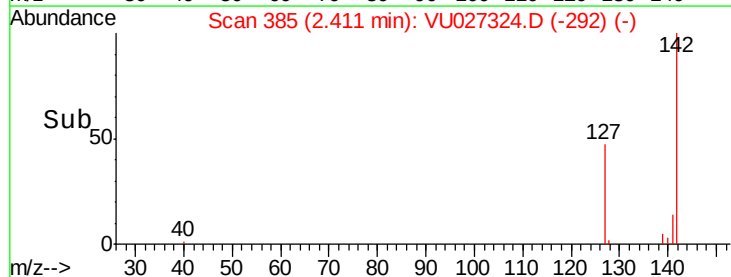
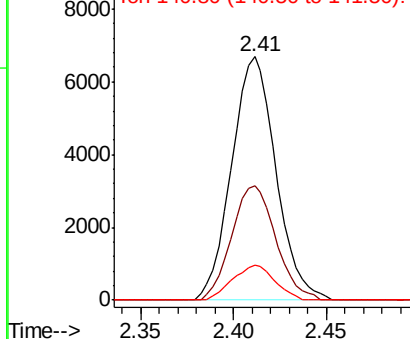
Lab File: VU027324.D

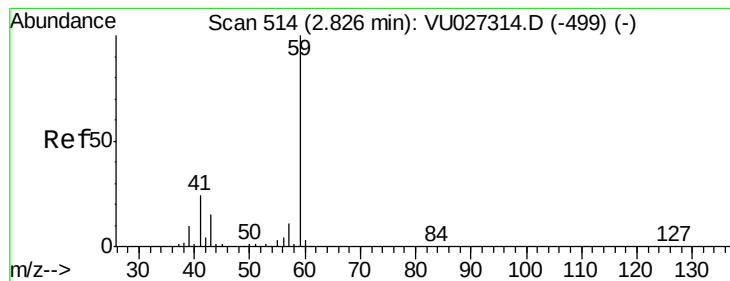
Acq: 01 Oct 2018 17:35

Tgt Ion:	142	Resp:	11094
Ion Ratio	Lower	Upper	
142	100		
127	46.6	36.3	54.5
141	13.5	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

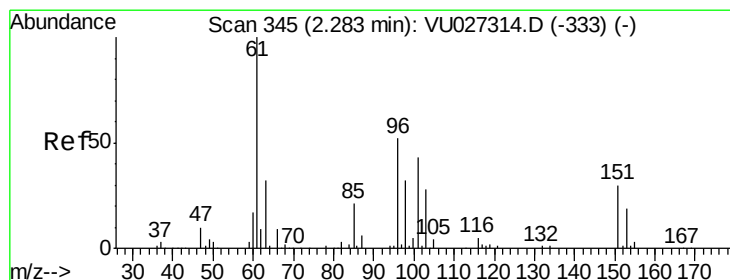
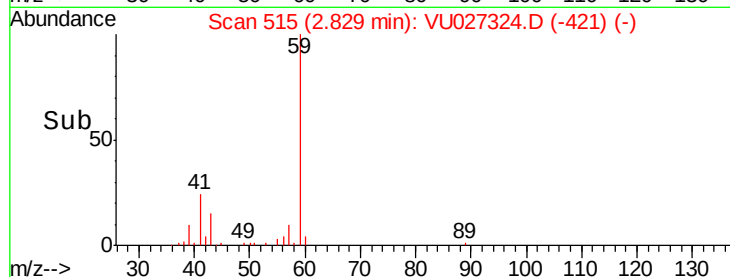
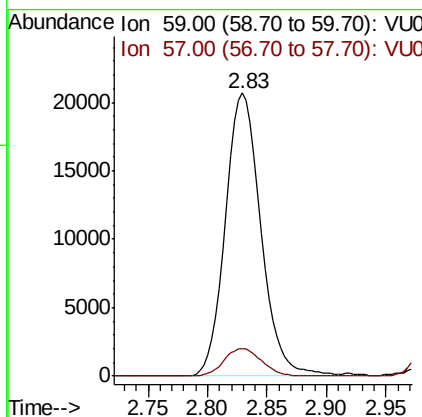
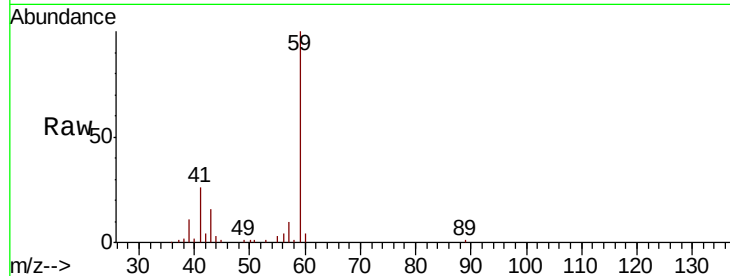
Tert butyl alcohol
Concen: 103.922 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Instrument :
MSVOA_U
ClientSampleId :
VU1001WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.4	12.6

Manual Integrations
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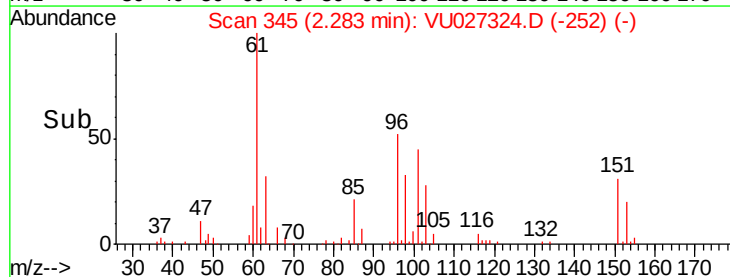
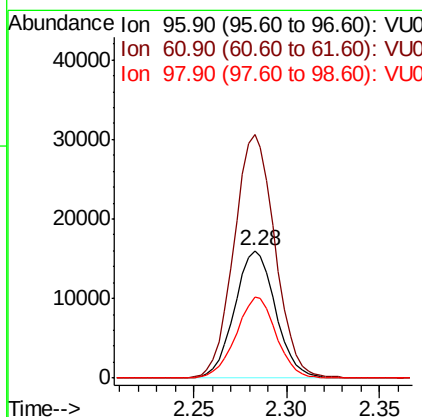
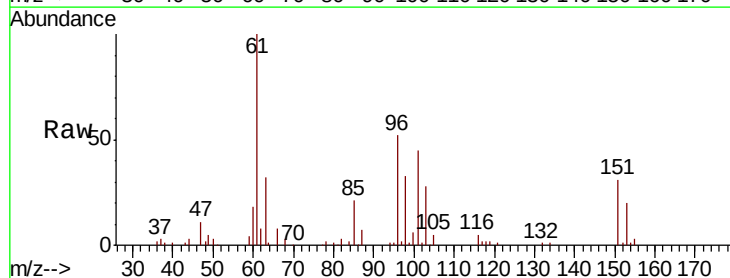
MMDadoda
10/3/2018 11:41:47 AM

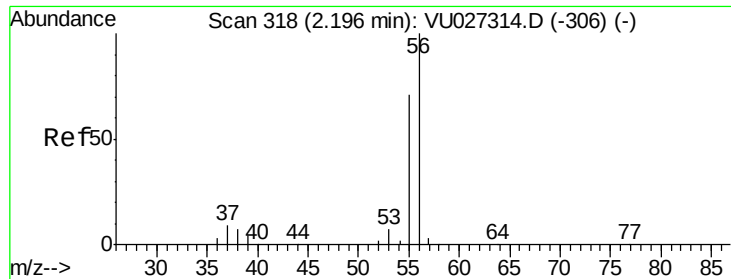


#12

1,1-Dichloroethene
Concen: 19.766 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.6	153.0	229.6
98	63.1	49.3	73.9





#13

Acrolein

Concen: 82.087 ug/l

RT: 2.20 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Instrument :

MSVOA_U

ClientSampleId :

VU1001WBSD01

Tot Ion: 56 Resp: 28401

Ion Ratio Lower Upper

56 100

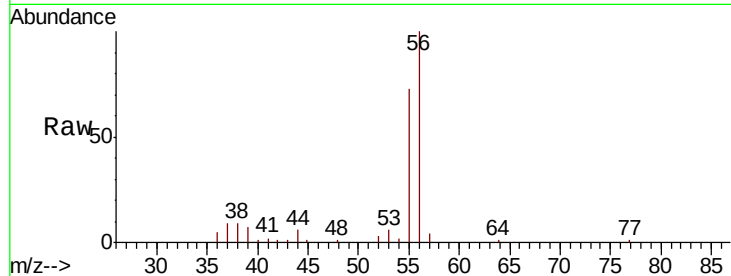
55 71.7 57.7 86.5

Manual Integrations

APPROVED

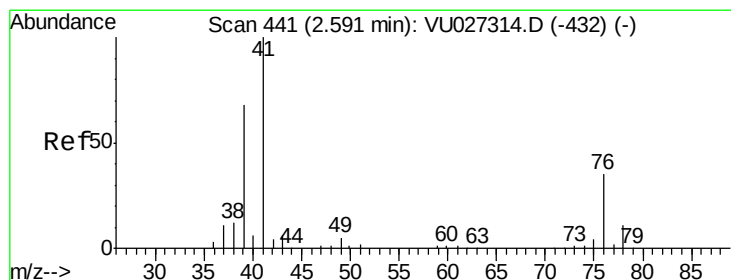
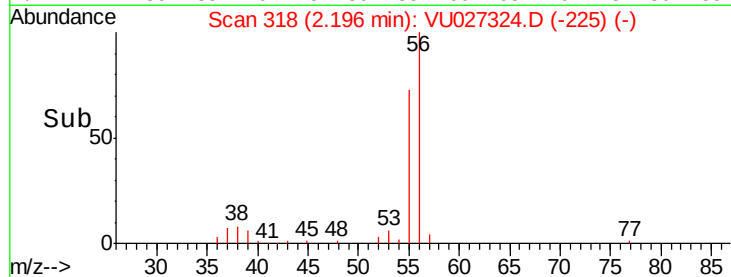
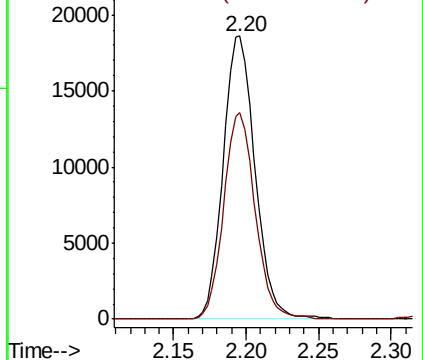
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 19.466 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

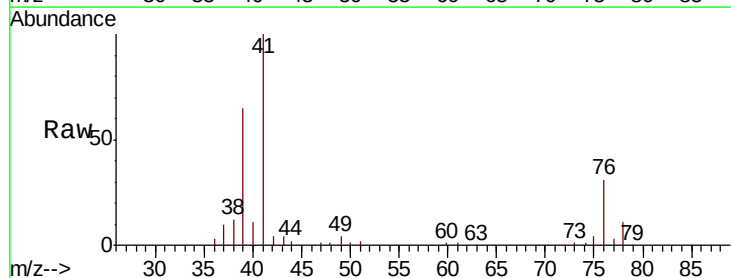
Tgt Ion: 41 Resp: 57256

Ion Ratio Lower Upper

41 100

39 65.3 51.8 77.8

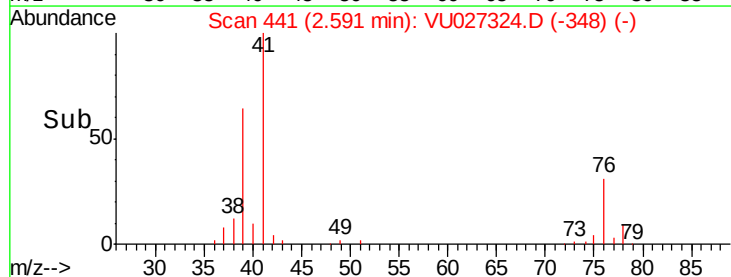
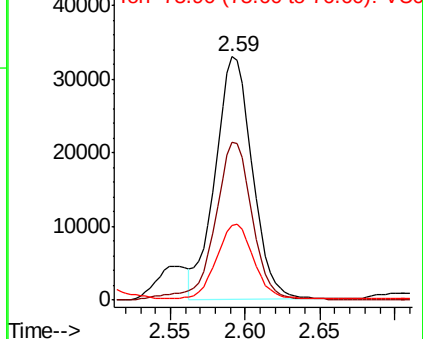
76 30.3 25.9 38.9

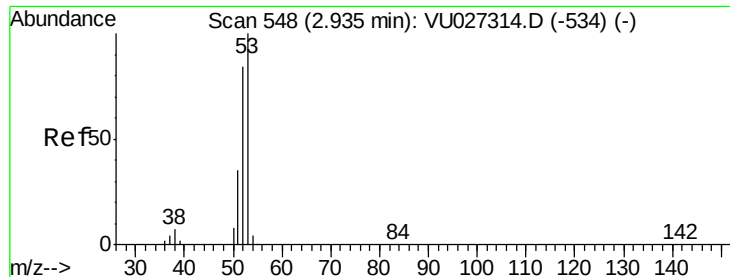


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 99.976 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Instrument :

MSVOA_U

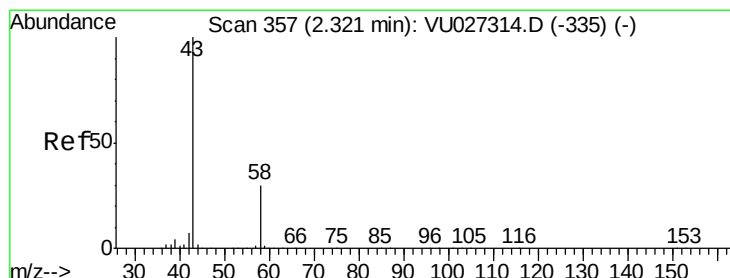
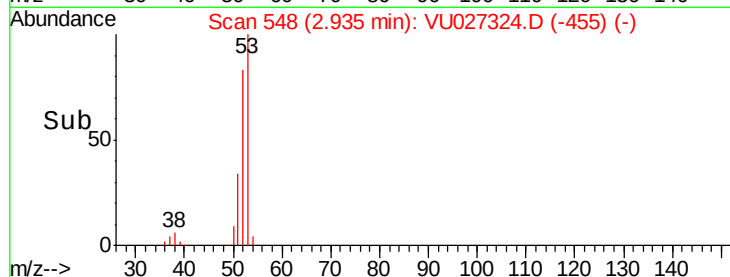
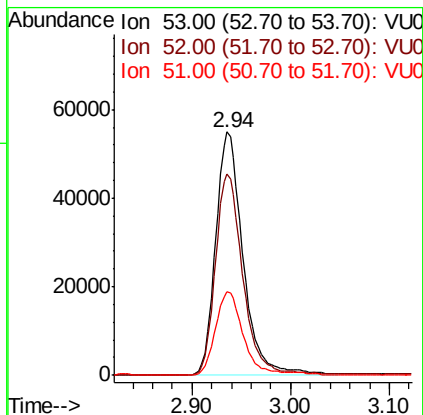
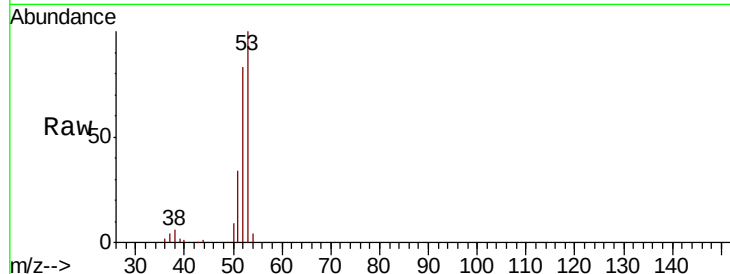
ClientSampleId :

VU1001WBSD01

Tot Ion:	53	Resp:	107293
Ion Ratio	Lower	Upper	
53	100		
52	81.2	66.5	99.7
51	35.5	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 89.545 ug/l

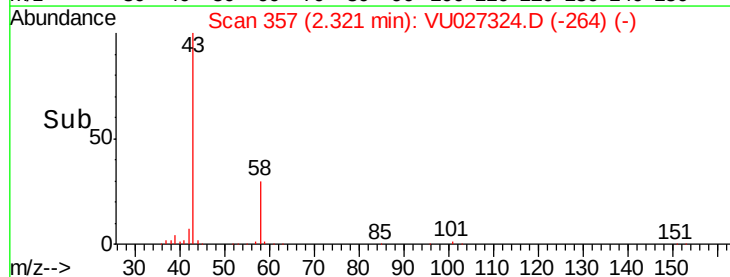
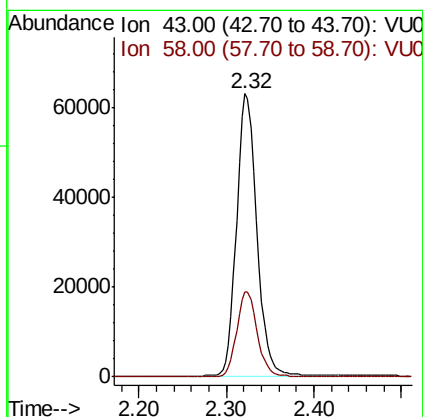
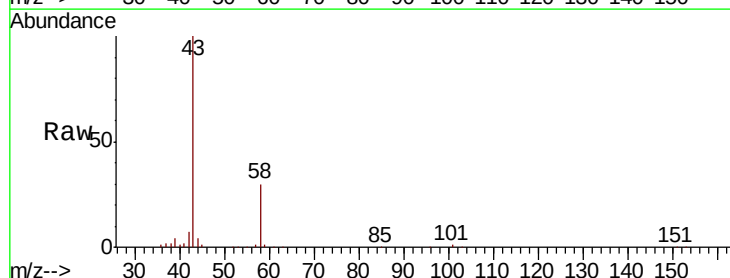
RT: 2.32 min Scan# 357

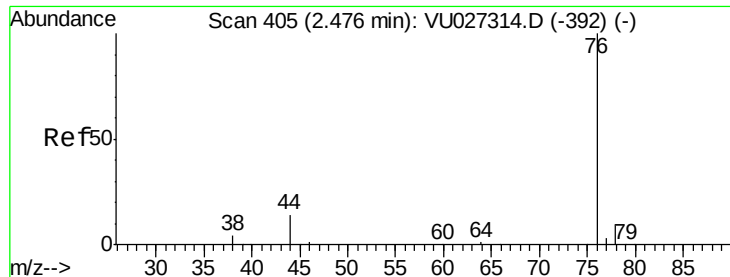
Delta R.T. -0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Tgt Ion:	43	Resp:	103580
Ion Ratio	Lower	Upper	
43	100		
58	30.2	24.2	36.4





#17

Carbon Disulfide

Concen: 18.646 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Instrument :

MSVOA_U

ClientSampleId :

VU1001WBSD01

Tot Ion: 76 Resp: 83296

Ion Ratio Lower Upper

76 100

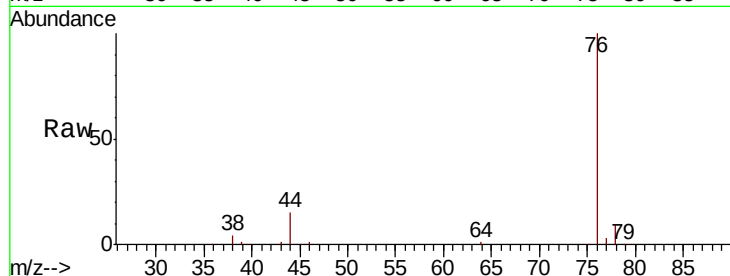
78 9.3 7.3 10.9

Manual Integrations

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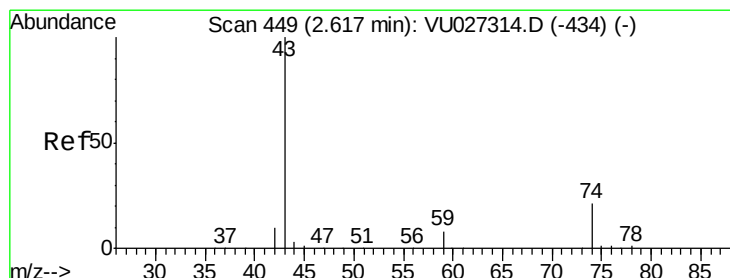
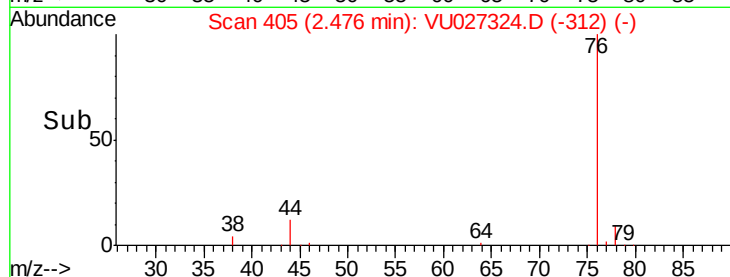
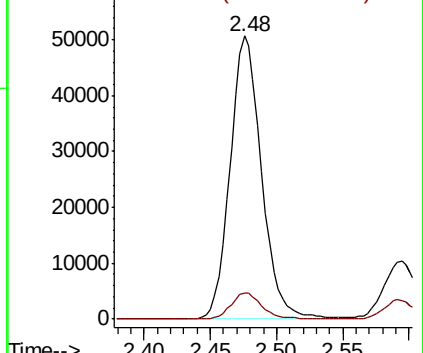
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 19.639 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU027324.D

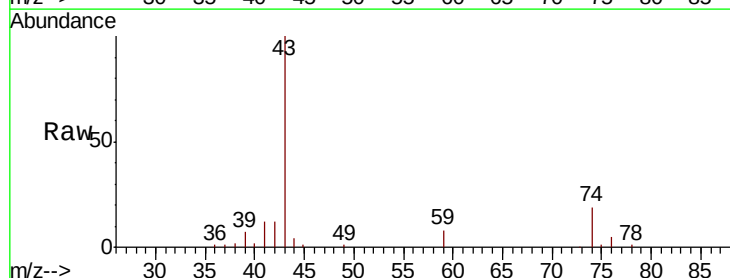
Acq: 01 Oct 2018 17:35

Tgt Ion: 43 Resp: 51824

Ion Ratio Lower Upper

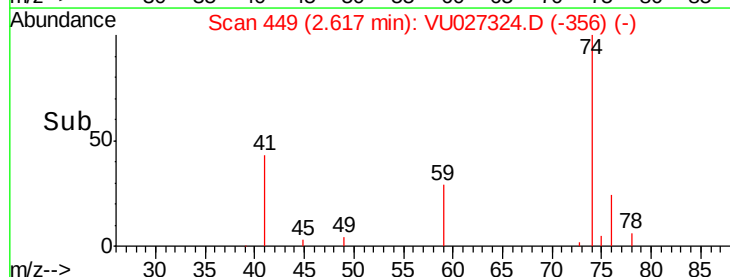
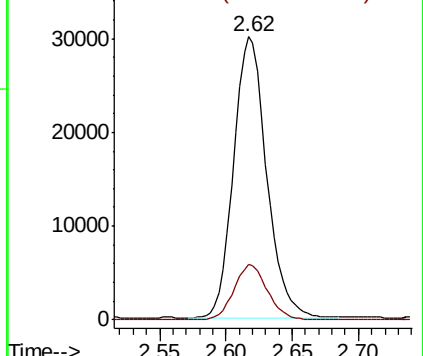
43 100

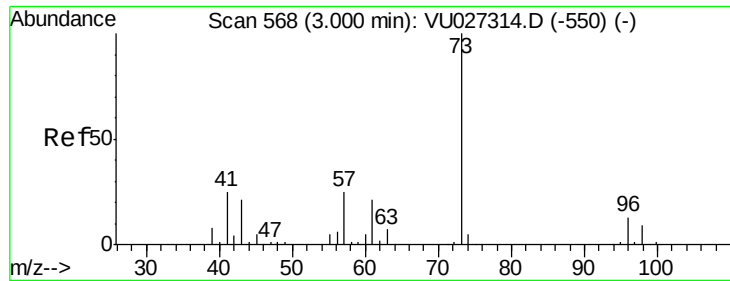
74 19.7 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





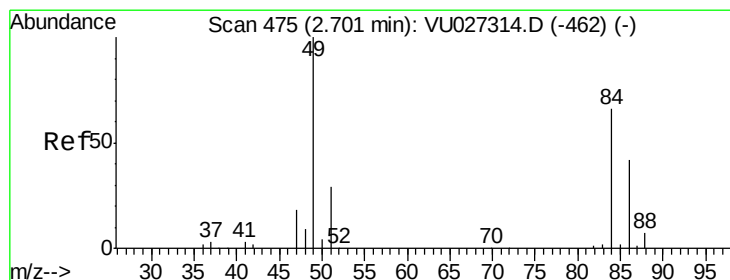
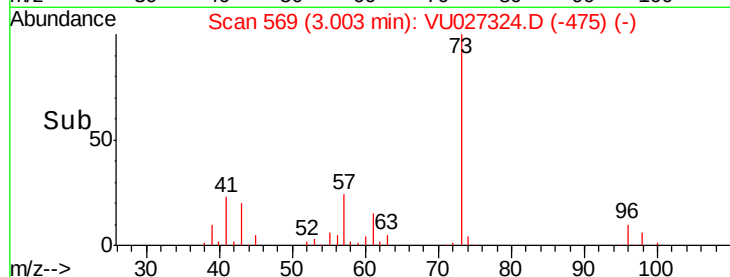
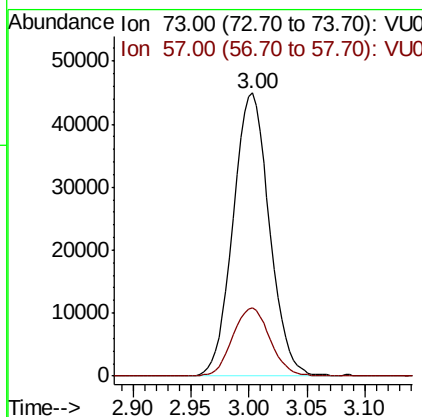
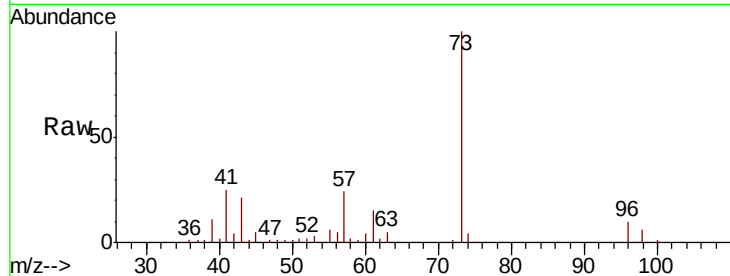
#19
Methyl tert-butyl Ether
Concen: 19.680 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Instrument :
MSVOA_U
ClientSampled :
VU1001WBSD01

Tot Ion: 73 Resp: 97671
Ion Ratio Lower Upper
73 100
57 23.9 20.0 30.0

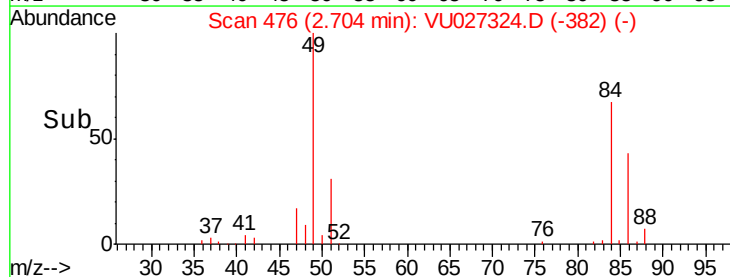
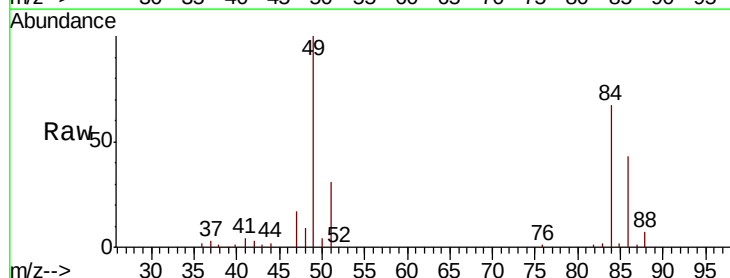
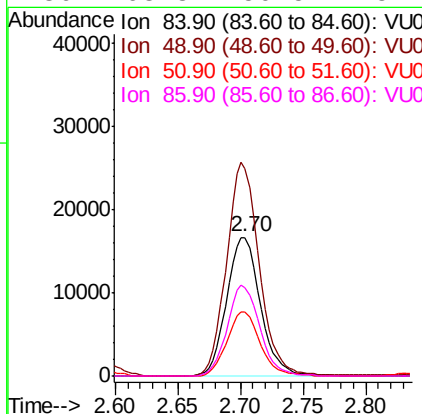
Manual Integrations
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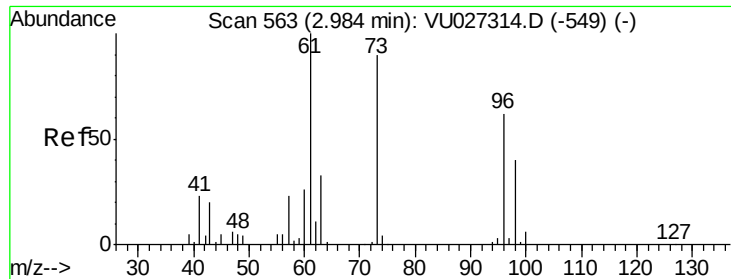
MMDadoda
10/3/2018 11:41:47 AM



#20
Methylene Chloride
Concen: 19.315 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Tgt Ion: 84 Resp: 31121
Ion Ratio Lower Upper
84 100
49 149.5 120.5 180.7
51 46.5 35.1 52.7
86 63.8 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 20.004 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Instrument :

MSVOA_U

ClientSampleId :

VU1001WBSD01

Tot Ion: 96 Resp: 27818

Ion Ratio Lower Upper

96 100

61 161.3 129.4 194.2

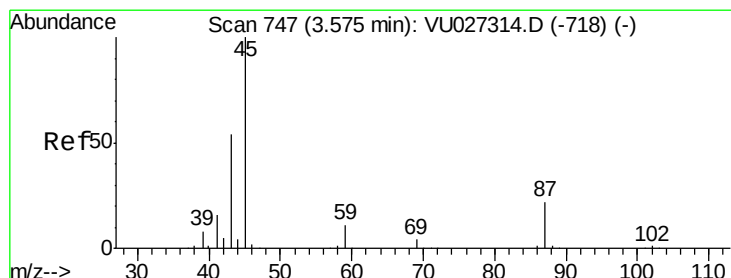
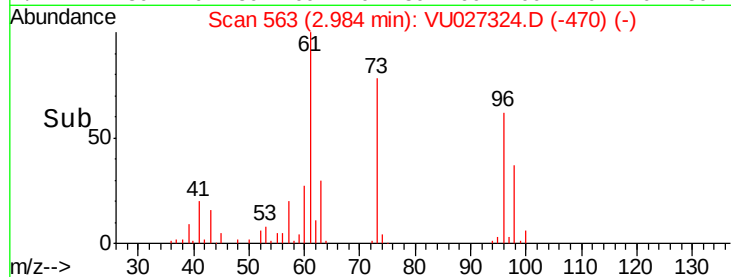
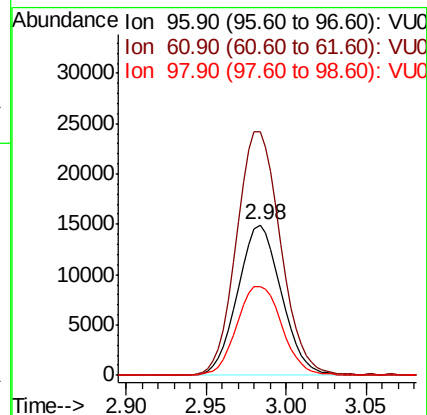
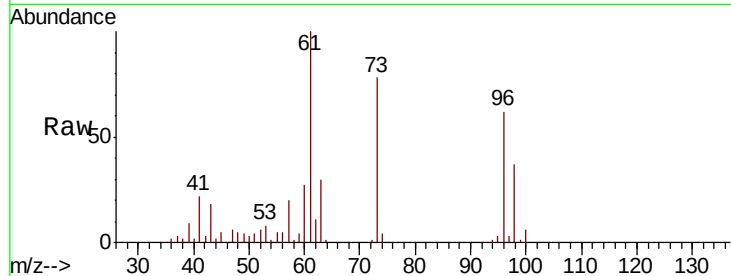
98 59.2 51.2 76.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.154 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Tgt Ion: 45 Resp: 120486

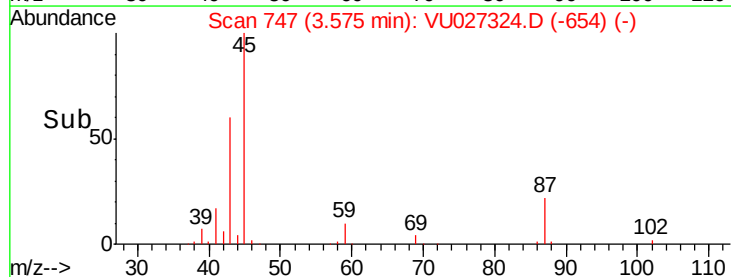
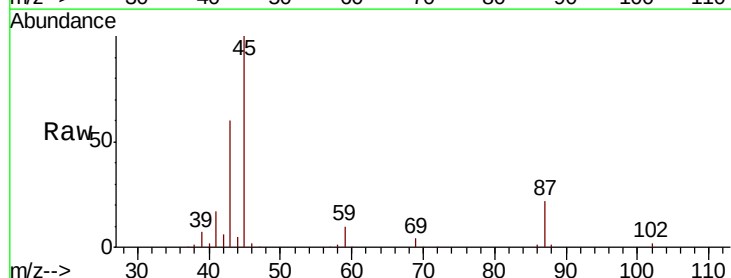
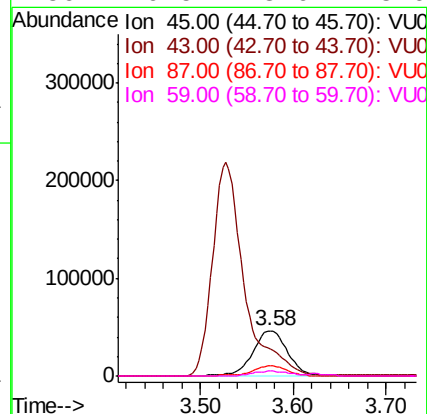
Ion Ratio Lower Upper

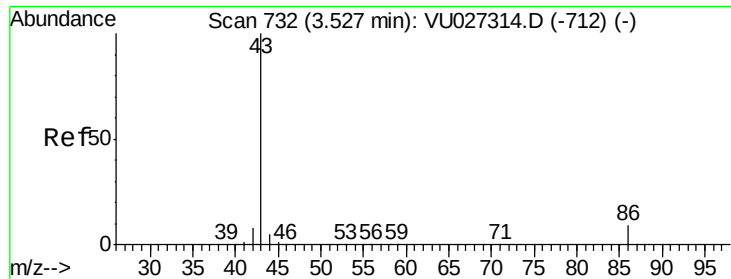
45 100

43 56.7 43.4 65.2

87 22.2 17.5 26.3

59 10.5 8.6 13.0





#23

Vinyl Acetate

Concen: 100.031 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Instrument :

MSVOA_U

ClientSampleId :

VU1001WBSD01

Tot Ion: 43 Resp: 522242

Ion Ratio Lower Upper

43 100

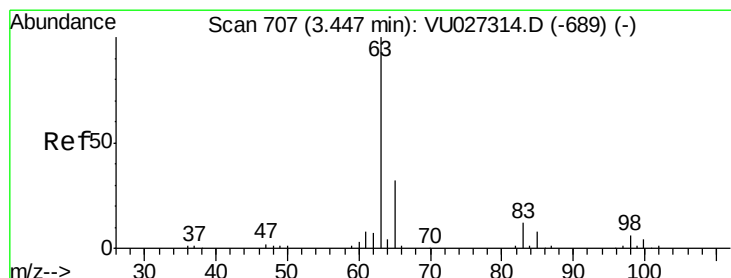
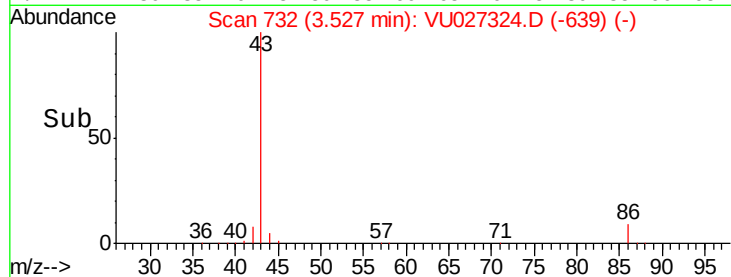
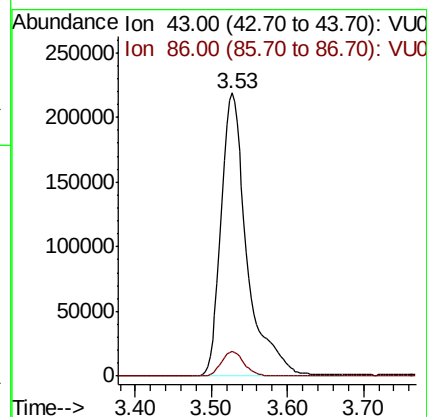
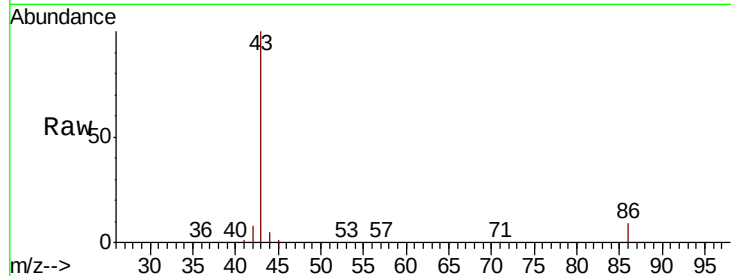
86 8.6 7.0 10.4

Manual Integrations

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10/3/2018 11:41:47 AM



#24

1,1-Dichloroethane

Concen: 20.142 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

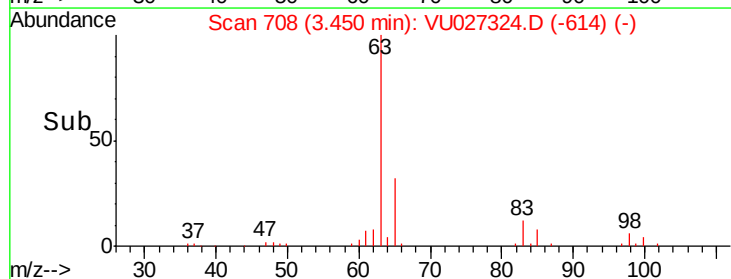
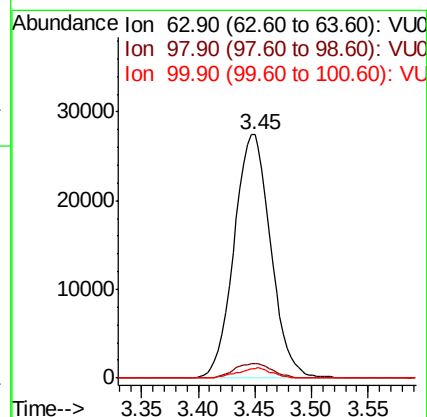
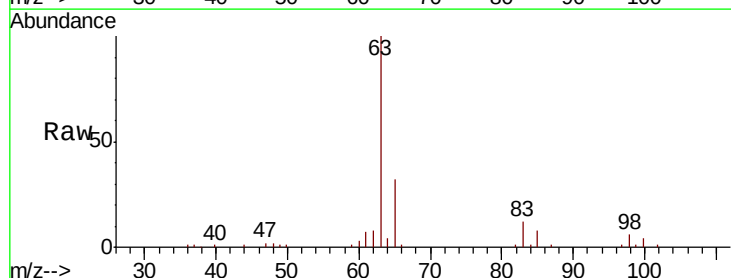
Tgt Ion: 63 Resp: 61902

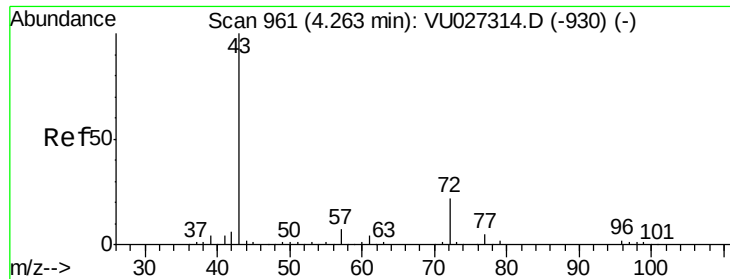
Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 4.1 1.8 5.5





#25

2-Butanone

Concen: 100.339 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Instrument :

MSVOA_U

ClientSampleId :

VU1001WBSD01

Tot Ion: 43 Resp: 158274

Ion Ratio Lower Upper

43 100

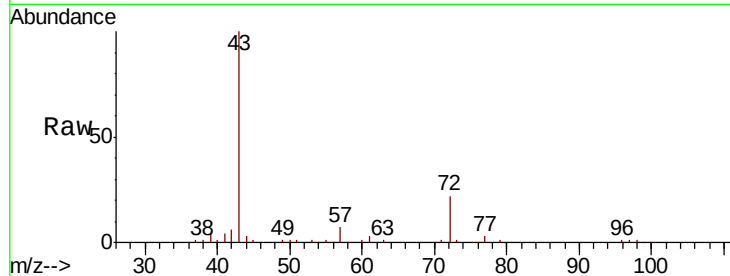
72 22.3 17.8 26.6

Manual Integrations

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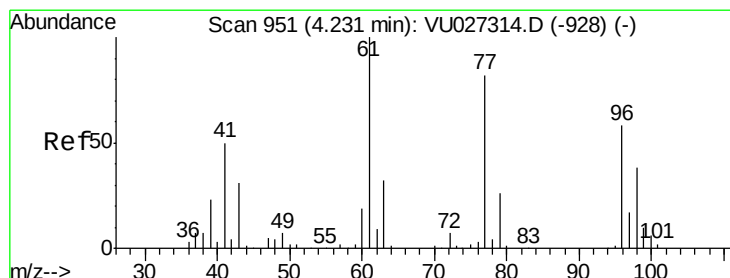
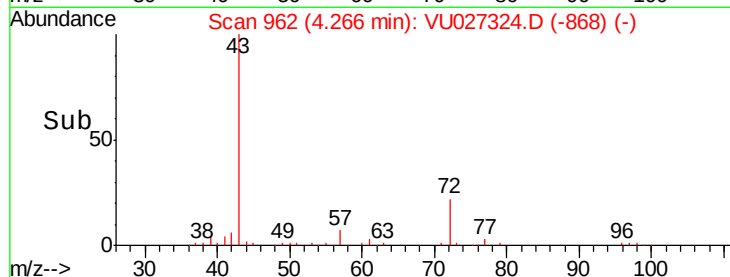
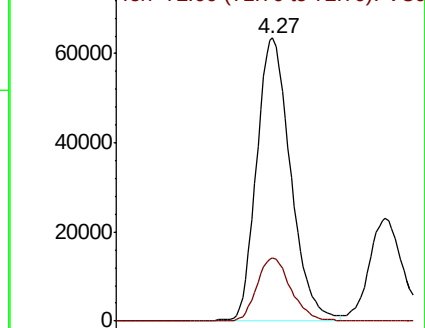
MMDadoda

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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: 19.072 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027324.D

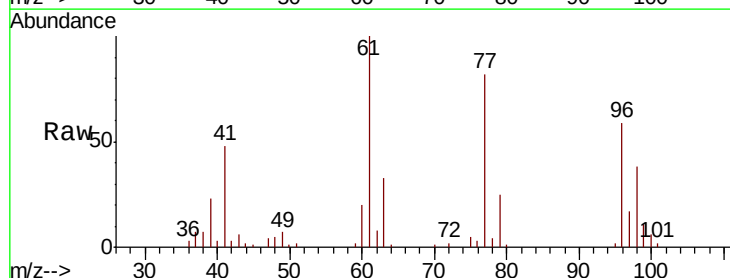
Acq: 01 Oct 2018 17:35

Tgt Ion: 77 Resp: 48163

Ion Ratio Lower Upper

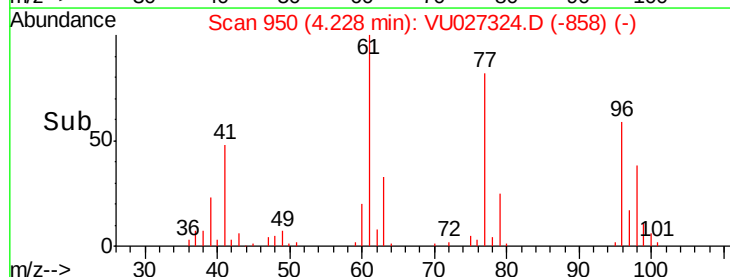
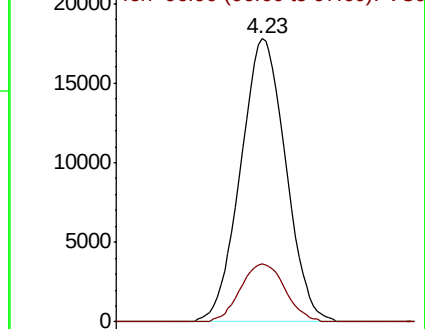
77 100

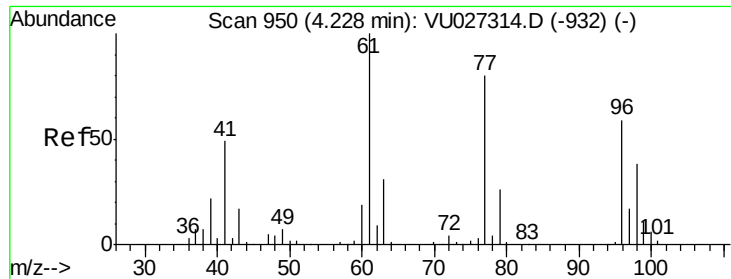
97 20.2 10.4 31.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

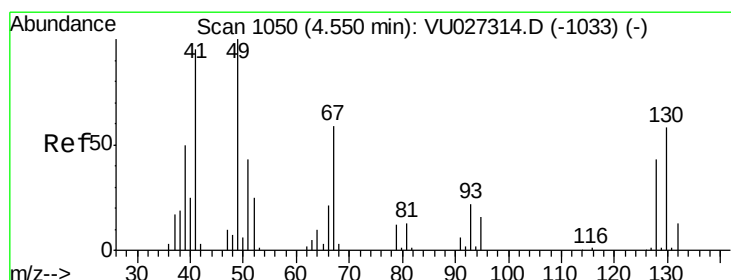
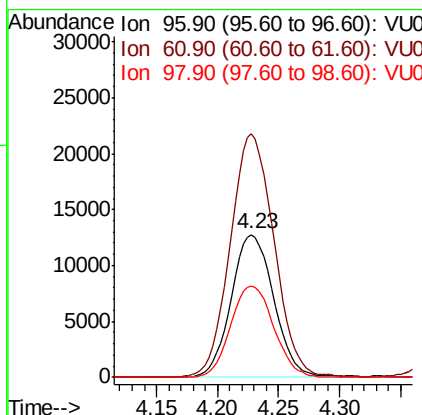
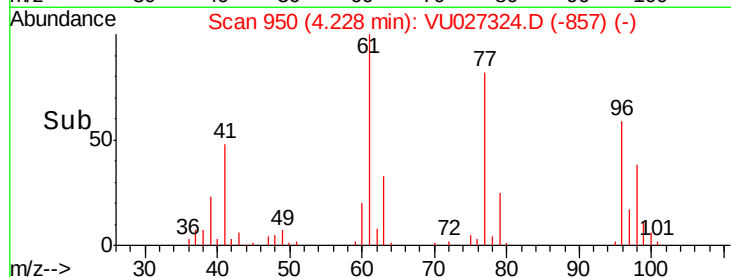
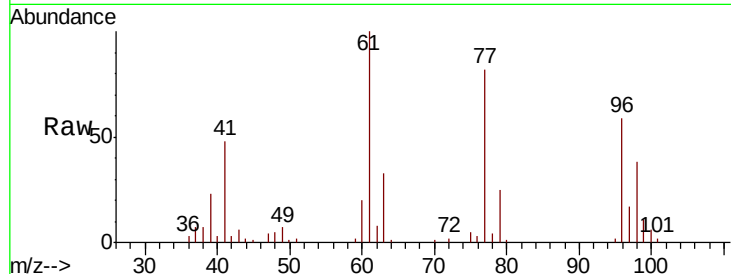
cis-1,2-Dichloroethene
Concen: 19.368 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Instrument :
MSVOA_U
ClientSampleId :
VU1001WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	30800		
61	175.9	0.0	343.8	
98	64.6	0.0	129.0	

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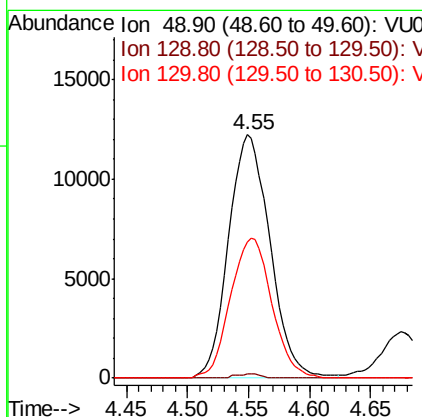
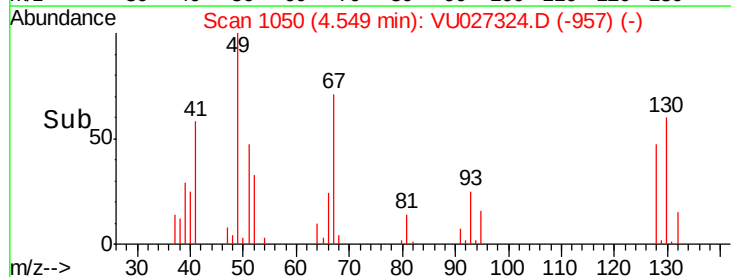
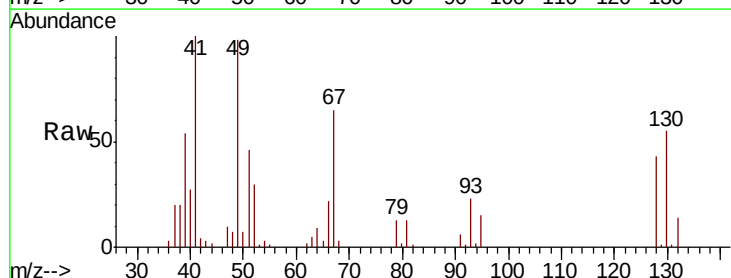
MMDadoda
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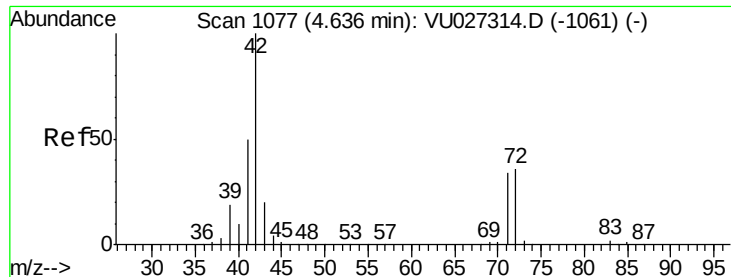


#28

Bromochloromethane
Concen: 19.501 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	28915		
129	1.0	0.0	3.0	
130	57.2	46.1	69.1	





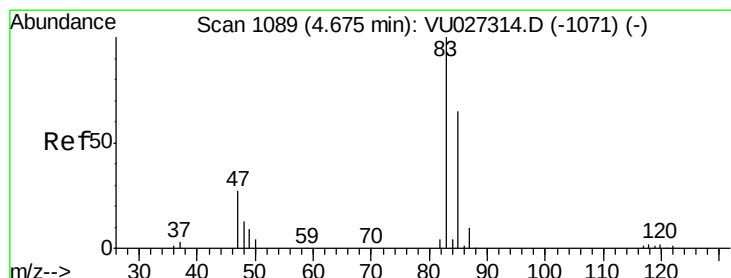
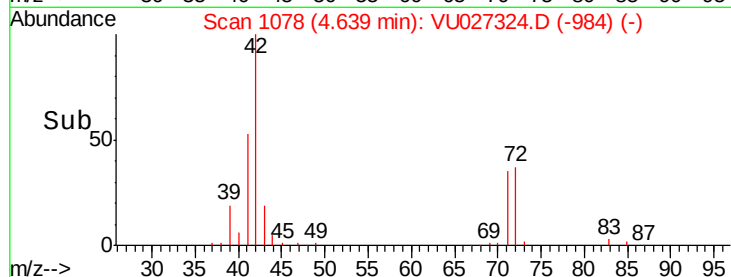
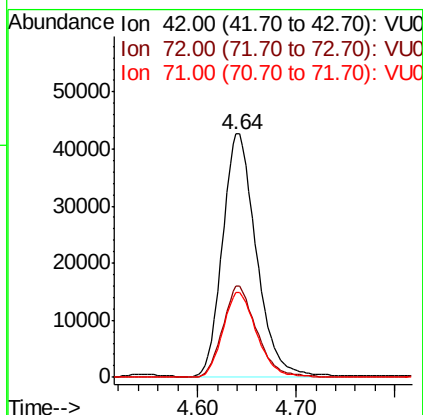
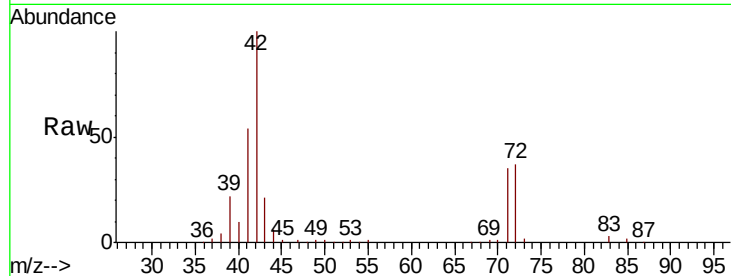
#29
Tetrahydrofuran
Concen: 103.600 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Instrument :
MSVOA_U
ClientSampleId :
VU1001WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.2	30.1	45.1
71	34.9	27.7	41.5

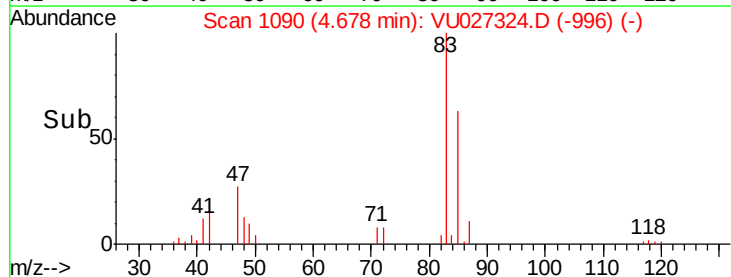
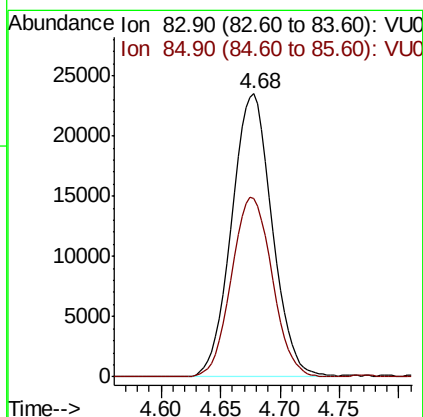
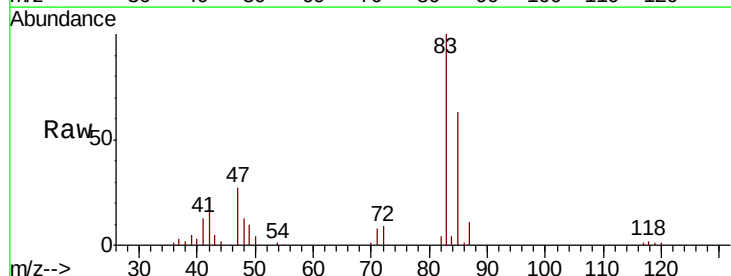
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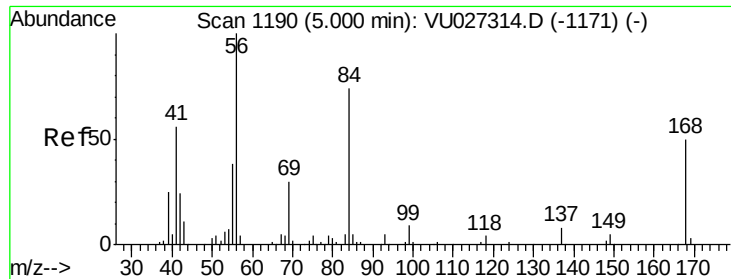
MMDadoda
10/3/2018 11:41:47 AM



#30
Chloroform
Concen: 20.301 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.6





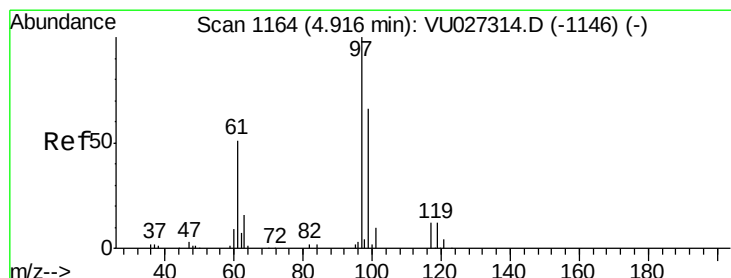
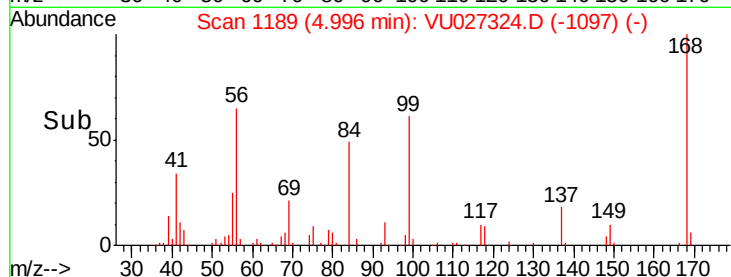
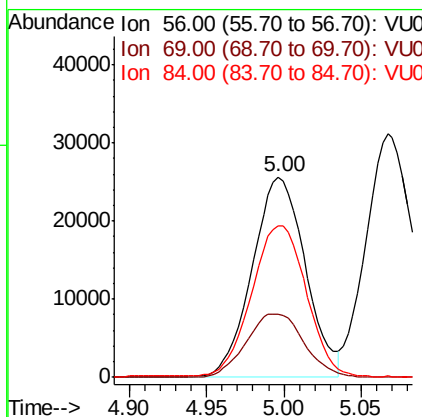
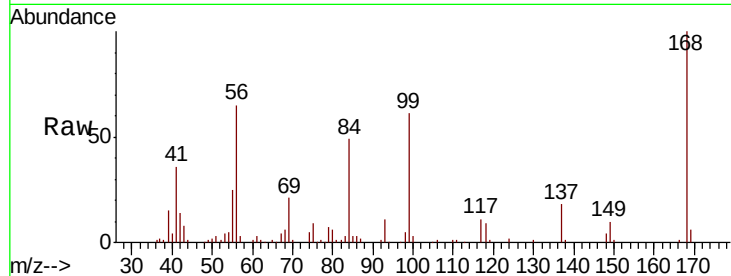
#31
Cyclohexane
Concen: 19.387 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Instrument :
MSVOA_U
ClientSampleId :
VU1001WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	24.1	36.1
84	75.1	59.1	88.7

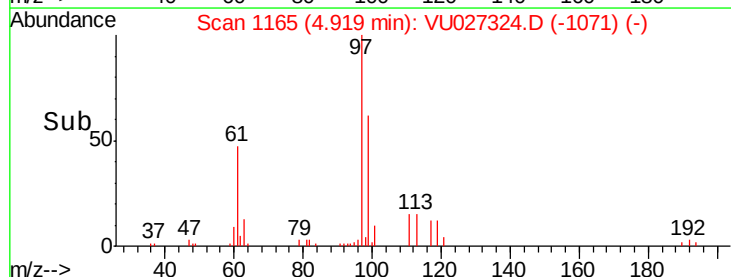
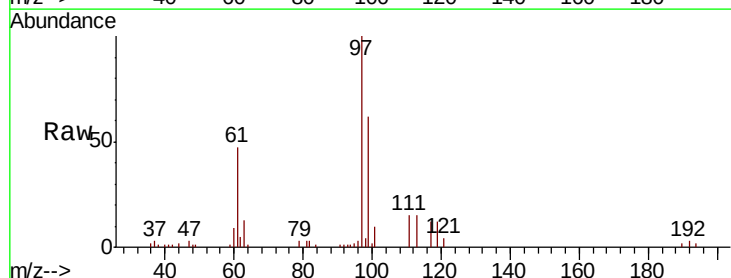
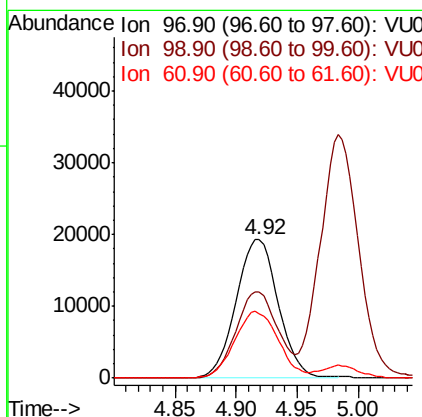
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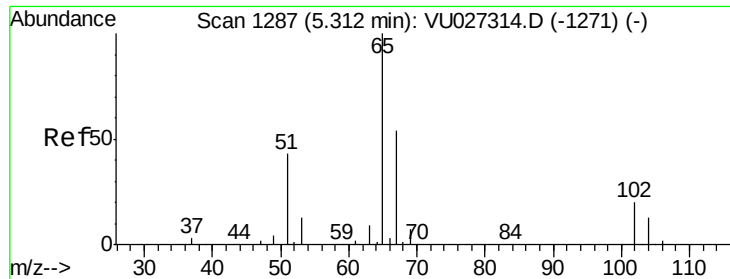
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.067 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.0	51.1	76.7
61	50.3	39.6	59.4





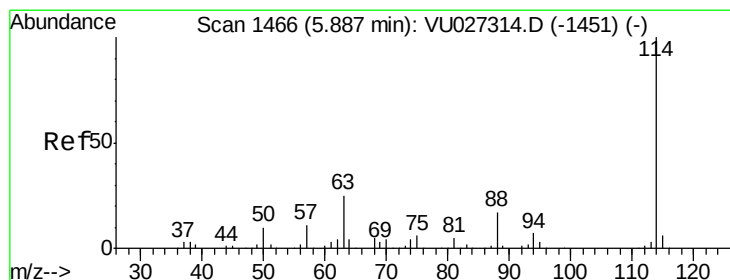
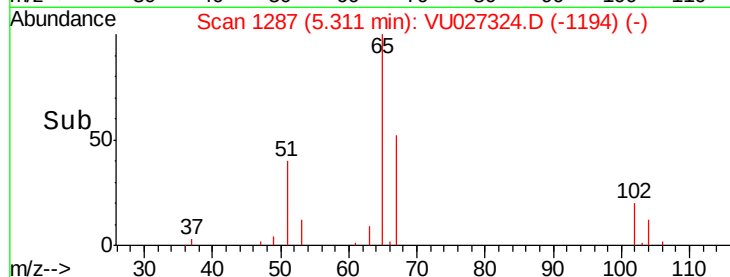
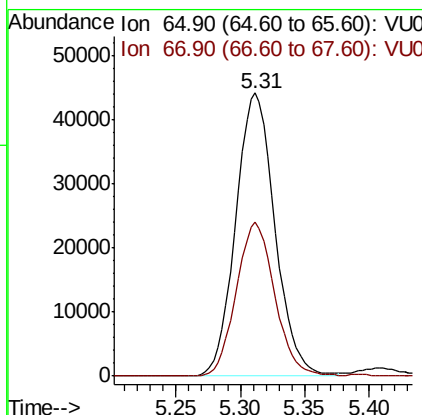
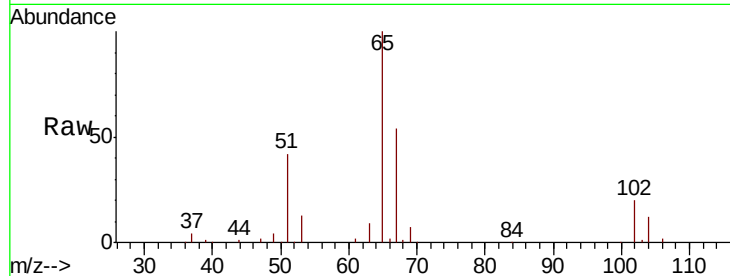
#33
 1,2-Dichloroethane-d4
 Concen: 47.761 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027324.D
 Acq: 01 Oct 2018 17:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1001WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	107.8

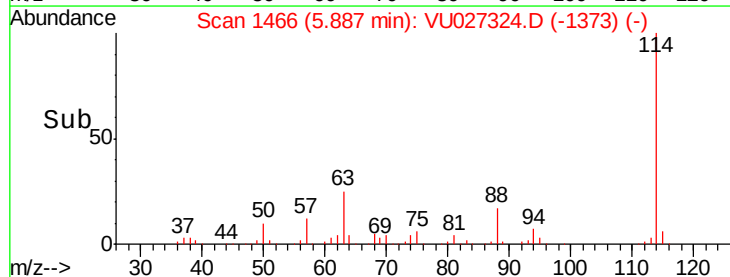
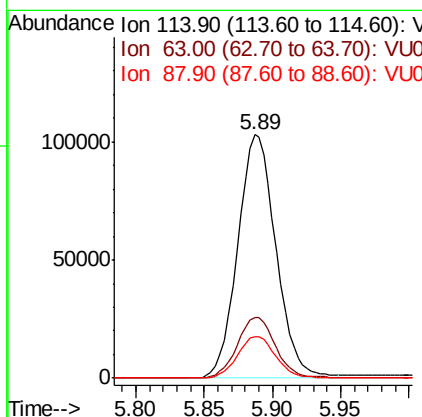
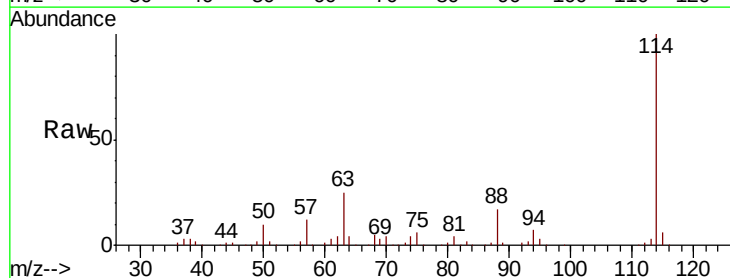
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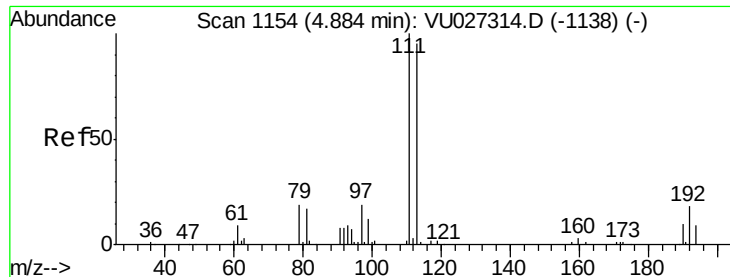
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027324.D
 Acq: 01 Oct 2018 17:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.0	0.0	50.2
88	17.1	0.0	33.8





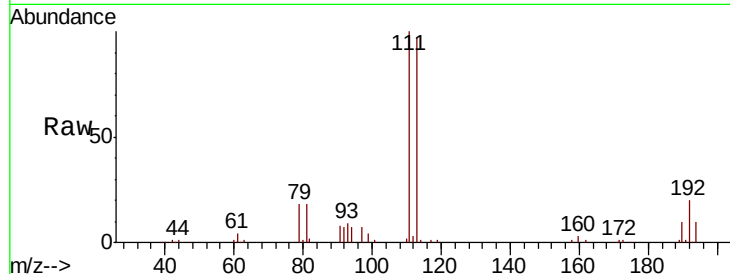
#35
 Dibromofluoromethane
 Concen: 48.123 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027324.D
 Acq: 01 Oct 2018 17:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1001WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	65958		
111	102.9		83.1	124.7
192	19.1		15.4	23.0

Manual Integrations
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MMDadoda
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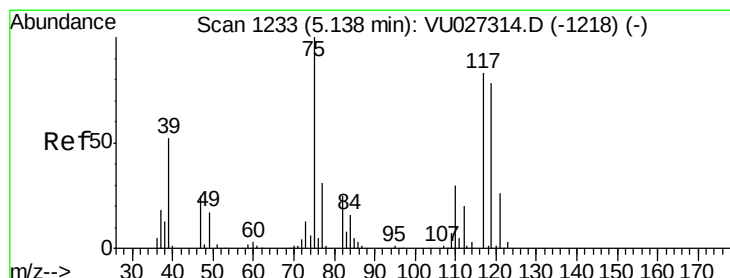
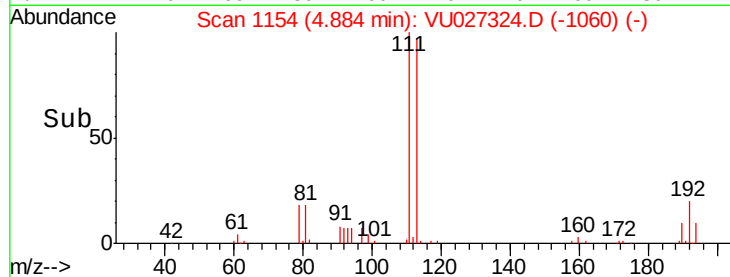
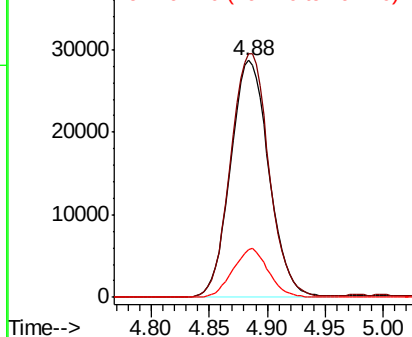


Abundance

Ion 112.80 (112.50 to 113.50): V

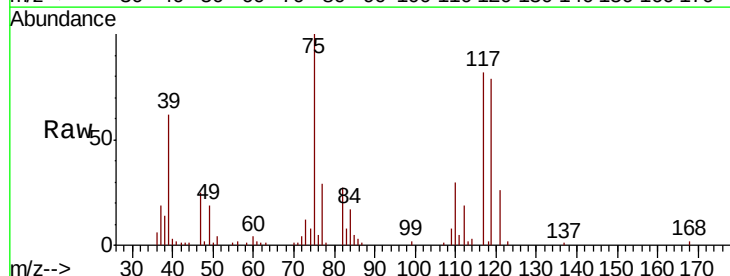
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 19.244 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027324.D
 Acq: 01 Oct 2018 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	41787		
110	31.0		15.5	46.5
77	30.4		25.4	38.0

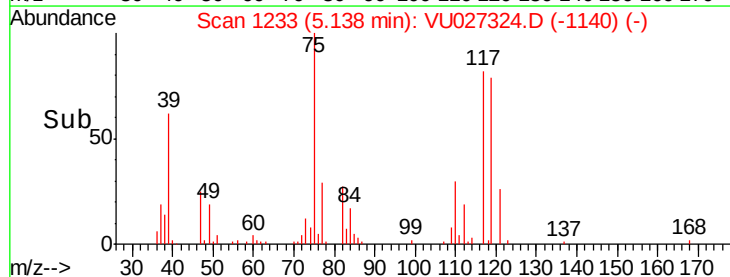
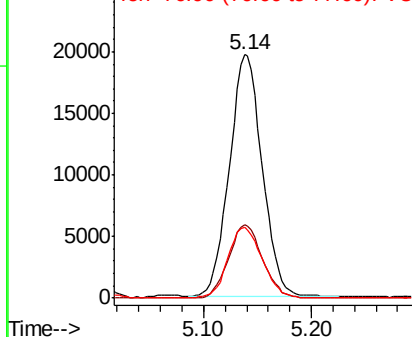


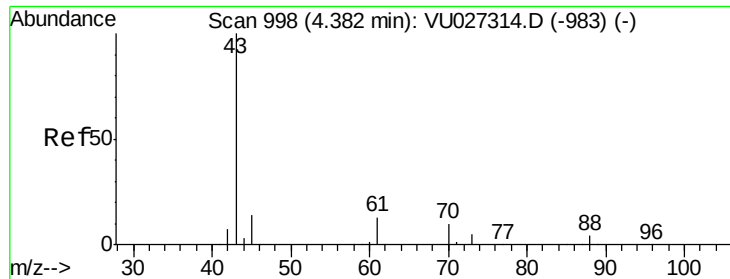
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





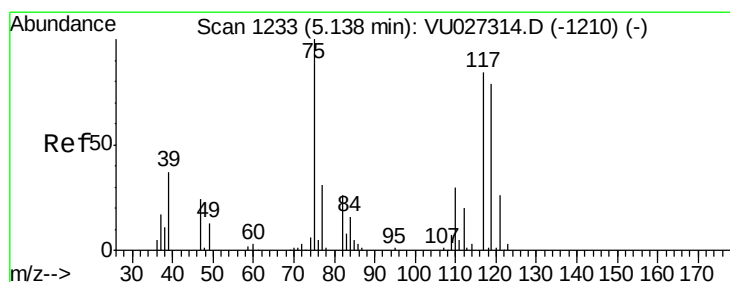
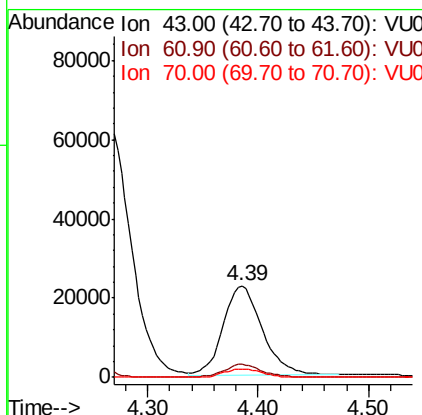
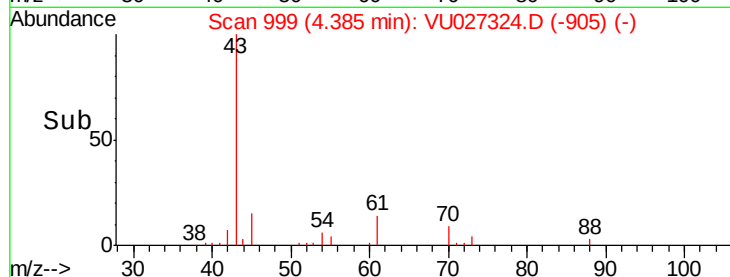
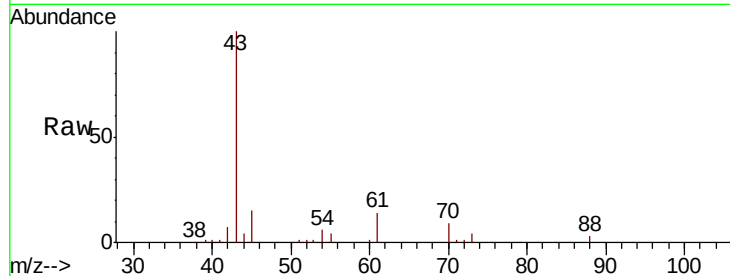
#37
Ethyl Acetate
Concen: 20.005 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Instrument :
MSVOA_U
ClientSampleId :
VU1001WBSD01

Tot Ion	43	61	70
Resp	56141		
Ratio	100	14.2	9.2
Lower		10.7	7.4
Upper		16.1	11.2

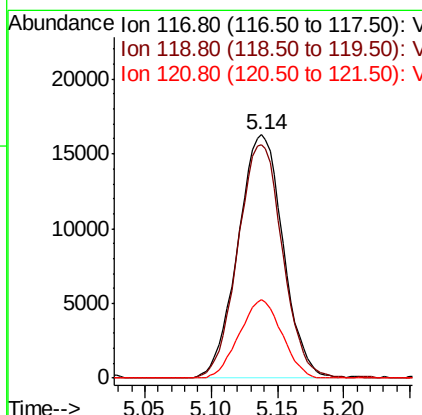
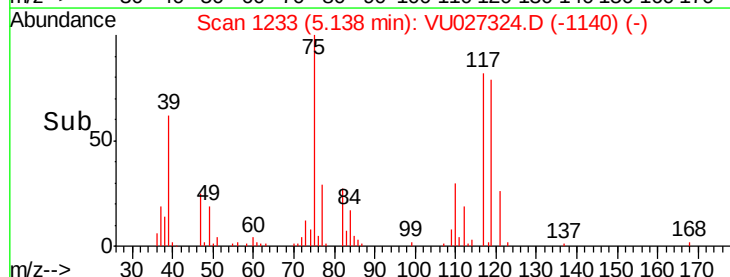
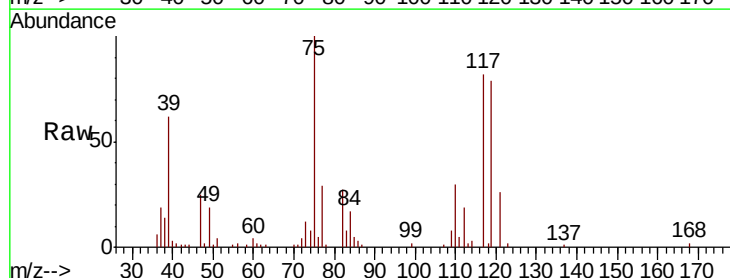
Manual Integrations
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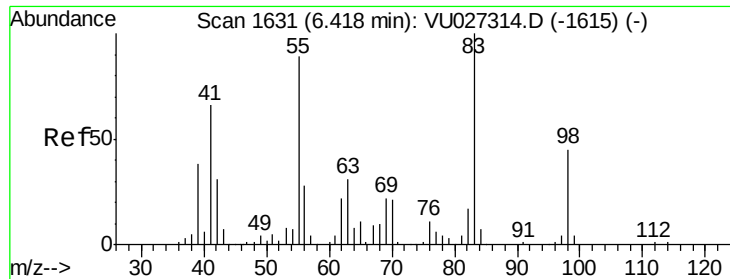
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#38
Carbon Tetrachloride
Concen: 19.657 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Tgt Ion	117	119	121
Resp	38558		
Ratio	100	96.1	32.0
Lower		74.5	24.6
Upper		111.7	37.0





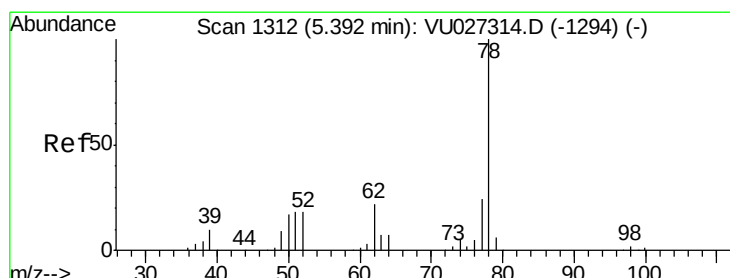
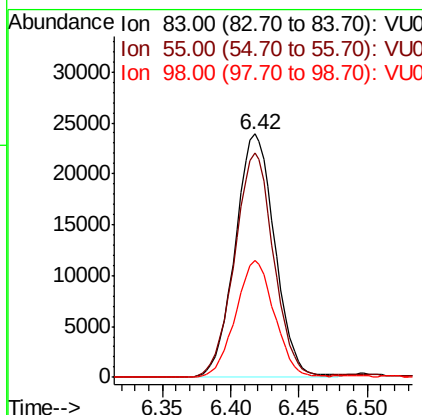
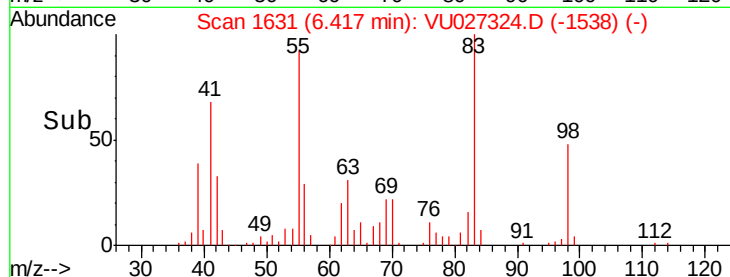
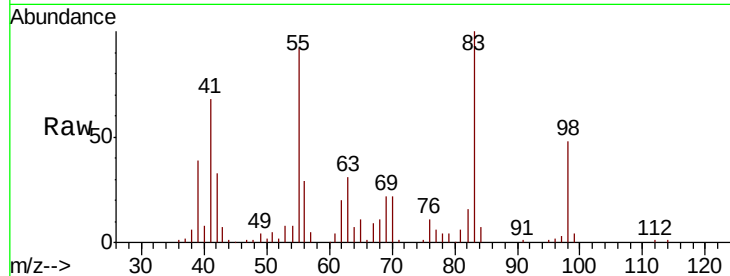
#39
Methylvlcyclohexane
Concen: 19.029 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Instrument :
MSVOA_U
ClientSampleId :
VU1001WBSD01

Tot Ion	83.00	Resp	48302
Ion	Ratio	Lower	Upper
83	100		
55	92.2	71.1	106.7
98	47.8	36.3	54.5

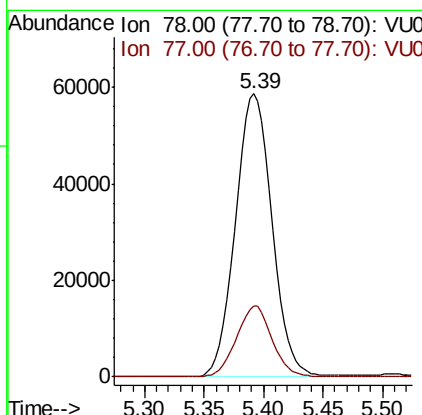
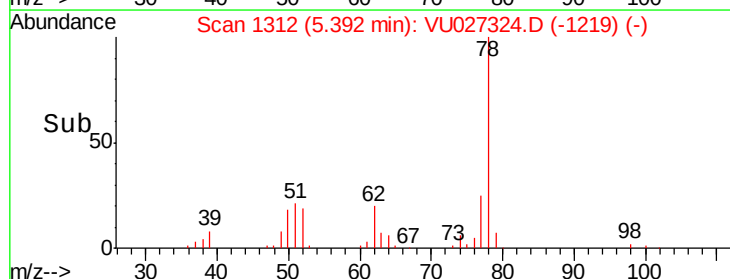
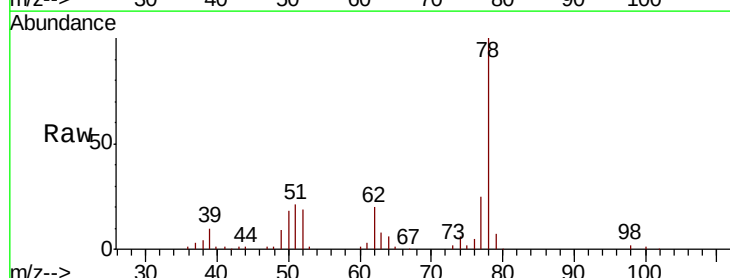
Manual Integrations
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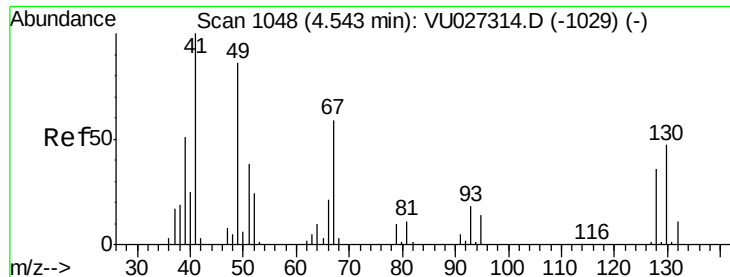
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#40
Benzene
Concen: 19.795 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Tgt Ion	78	Resp	125206
Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.3	28.9





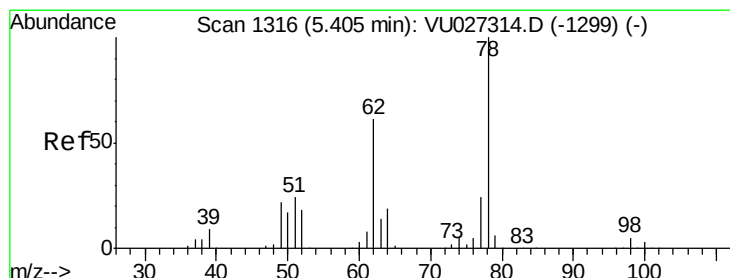
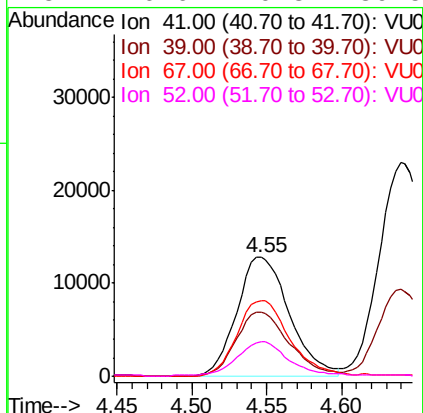
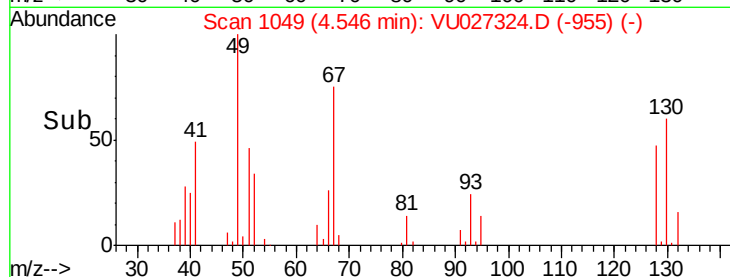
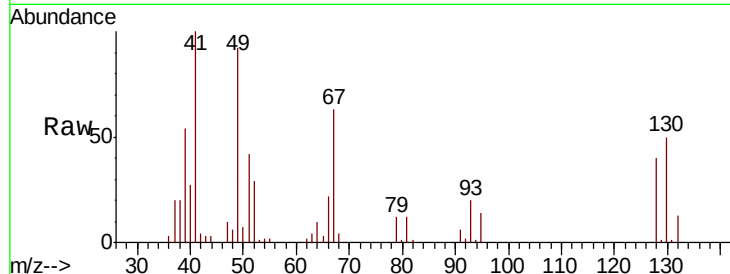
#41
Methacrylonitrile
Concen: 19.804 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Instrument :
MSVOA_U
ClientSampleId :
VU1001WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.5	41.1	61.7	
67	62.8	50.4	75.6	
52	26.6	20.3	30.5	

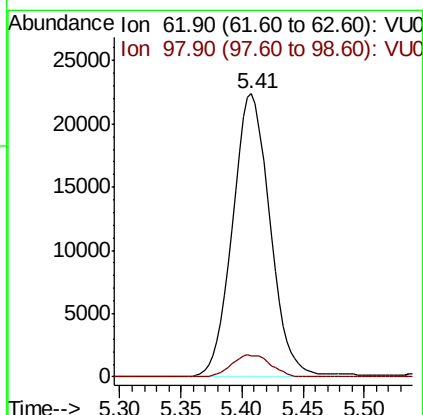
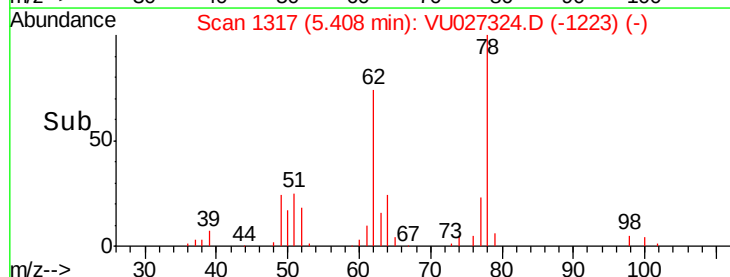
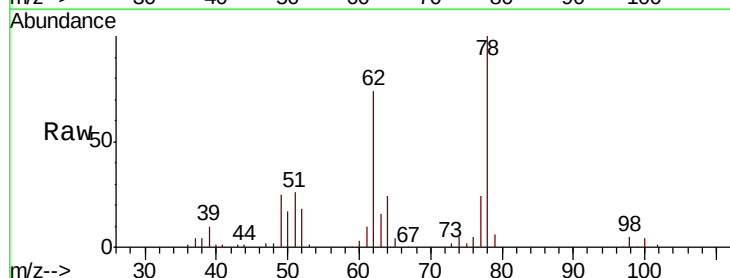
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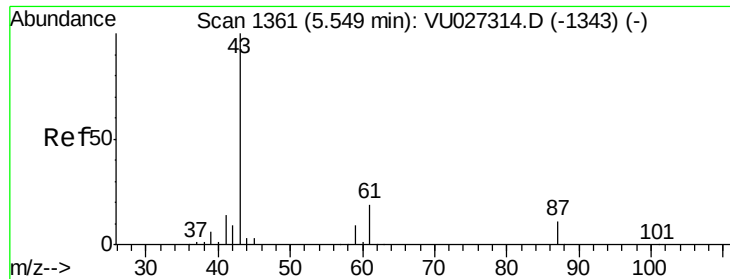
MMDadoda
10/3/2018 11:41:47 AM



#42
1,2-Dichloroethane
Concen: 20.338 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	16.8	





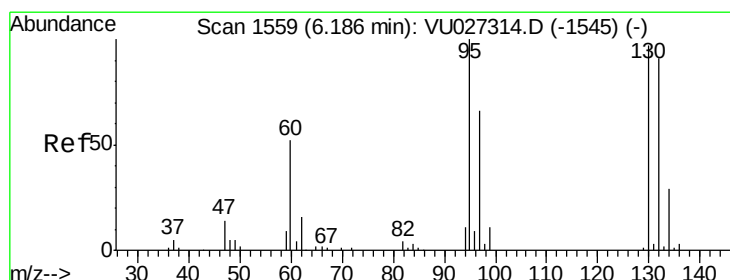
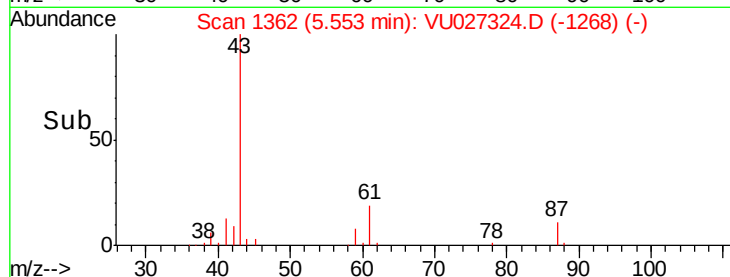
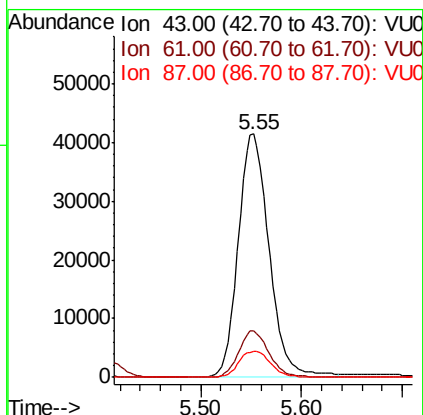
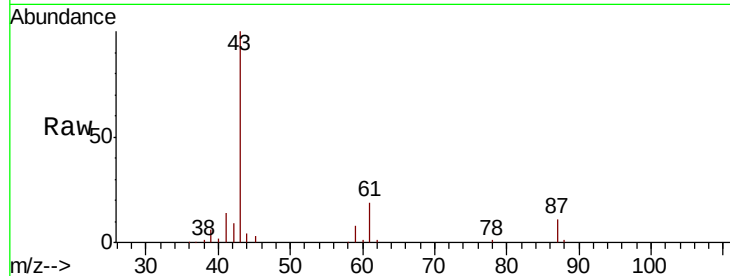
#43
Isopropyl Acetate
Concen: 20.204 ug/l
RT: 5.55 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Instrument :
MSVOA_U
ClientSampleId :
VU1001WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.3	22.9
87	11.0	8.6	13.0

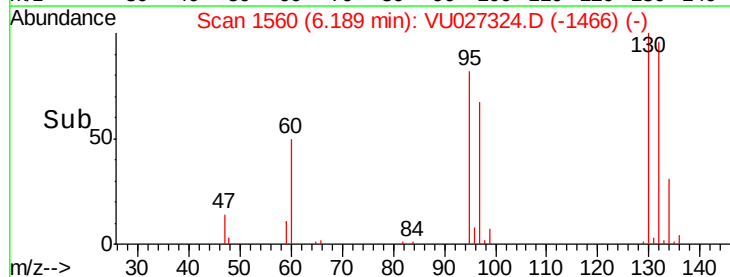
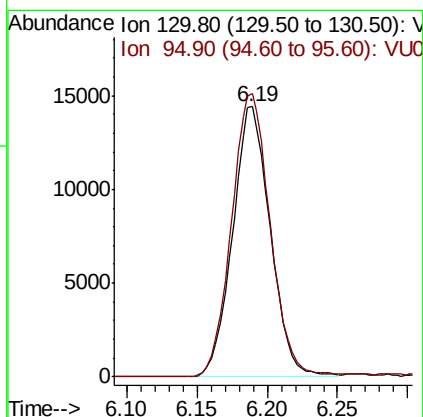
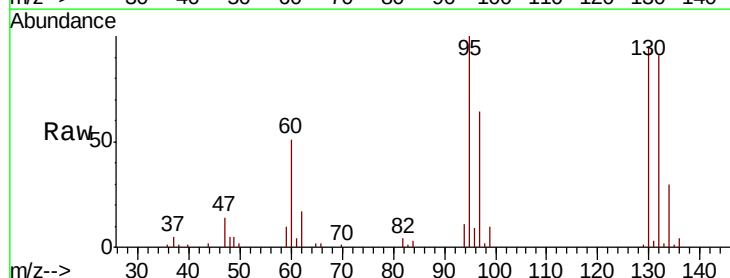
Manual Integrations
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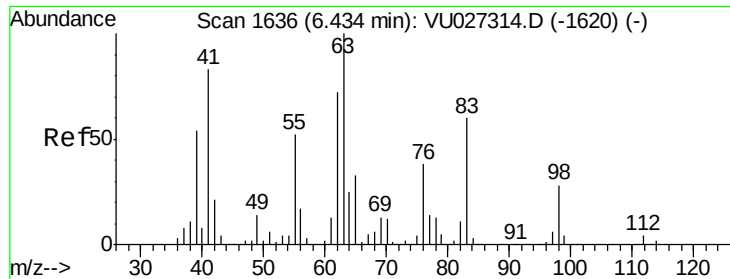
MMDadoda
10/3/2018 11:41:47 AM



#44
Trichloroethene
Concen: 19.168 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	207.0





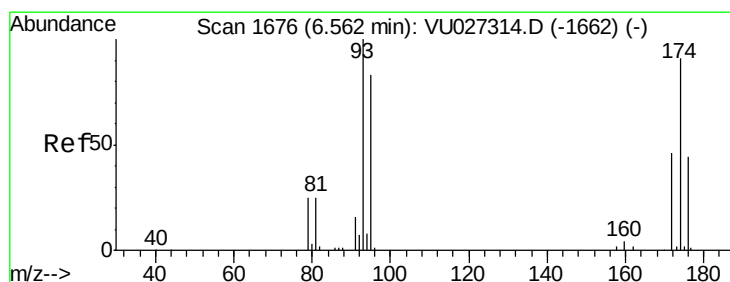
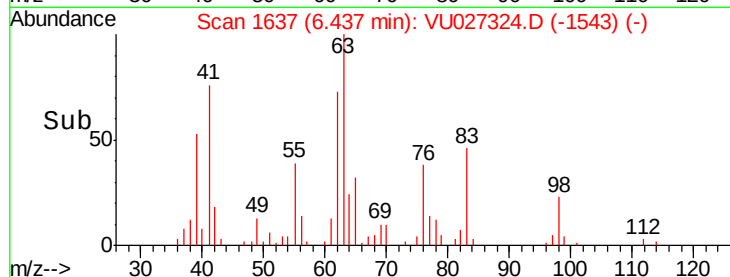
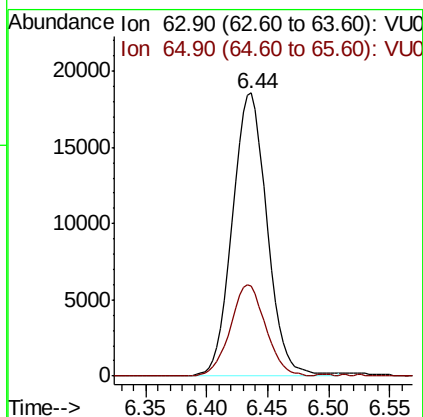
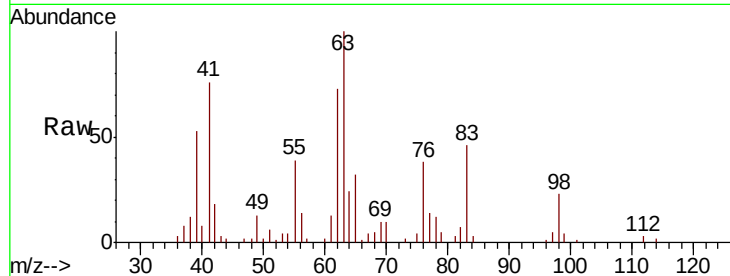
#45
 1,2-Dichloropropane
 Concen: 20.118 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027324.D
 Acq: 01 Oct 2018 17:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1001WBSD01

Tot Ion: 63 Resp: 36703
 Ion Ratio Lower Upper
 63 100
 65 31.8 26.0 39.0

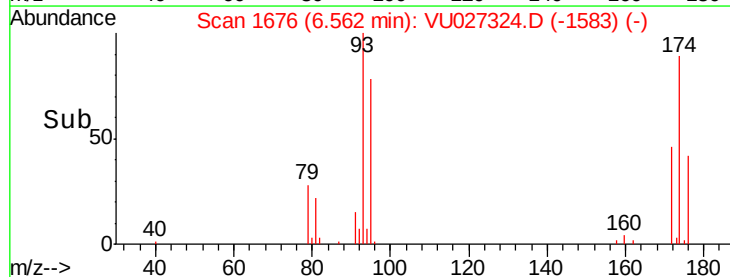
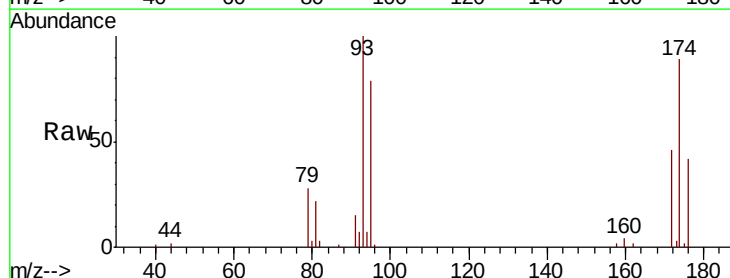
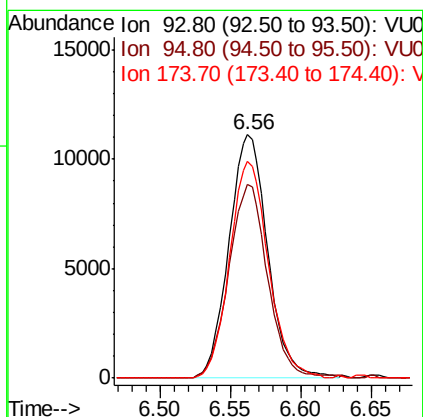
Manual Integrations
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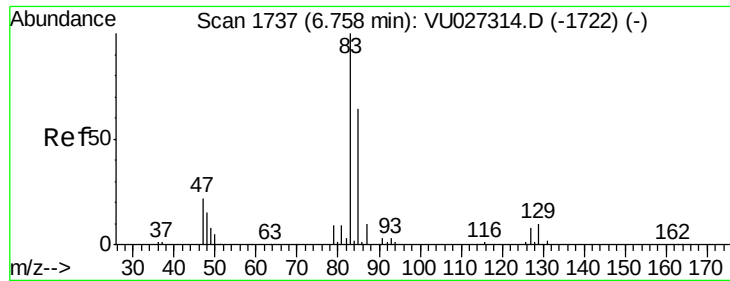
MMDadoda
 10/3/2018 11:41:47 AM



#46
 Dibromomethane
 Concen: 20.767 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. -0.00 min
 Lab File: VU027324.D
 Acq: 01 Oct 2018 17:35

Tgt Ion: 93 Resp: 21398
 Ion Ratio Lower Upper
 93 100
 95 79.6 66.5 99.7
 174 89.1 72.5 108.7





#47

Bromodichloromethane

Concen: 19.664 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Instrument :

MSVOA_U

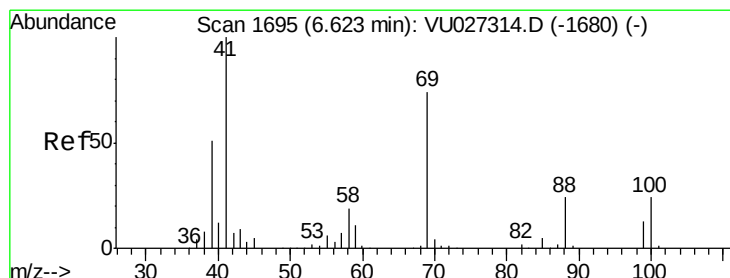
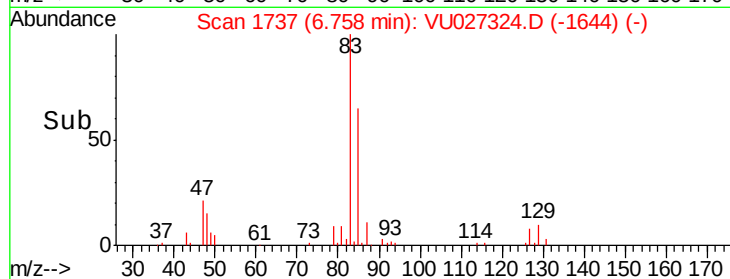
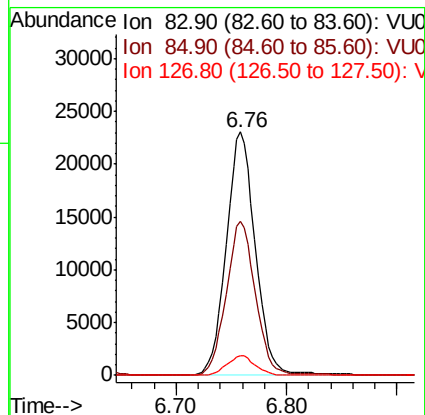
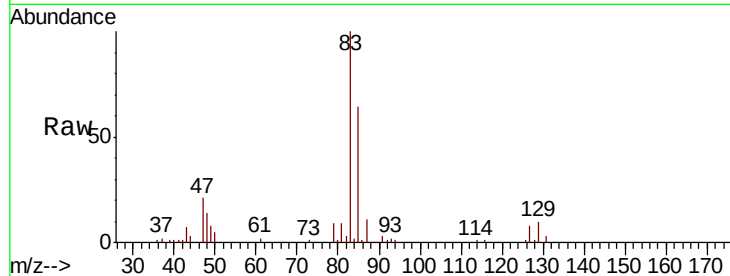
ClientSampleId :

VU1001WBSD01

Tot Ion:	83	Resp:	42043
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.0
127	8.2	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.038 ug/l

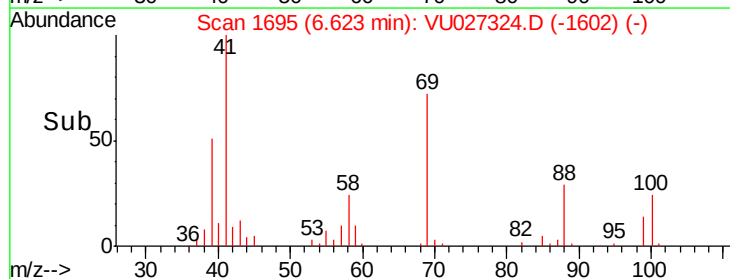
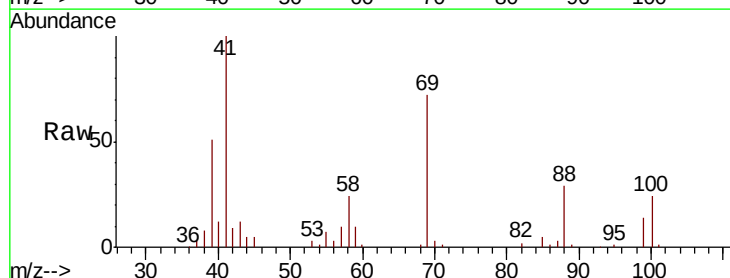
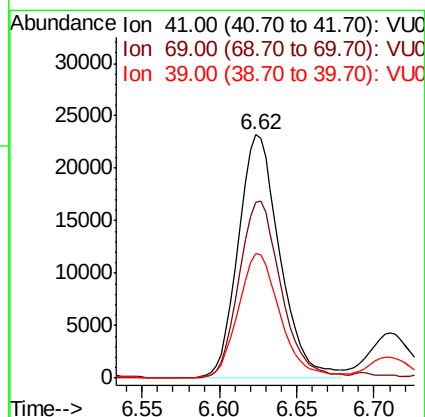
RT: 6.62 min Scan# 1695

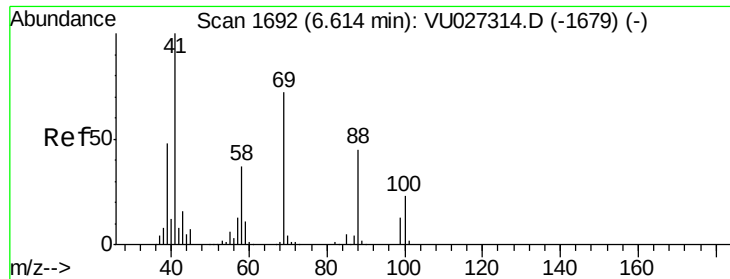
Delta R.T. -0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Tgt Ion:	41	Resp:	43433
Ion	Ratio	Lower	Upper
41	100		
69	73.4	61.0	91.4
39	51.9	39.9	59.9





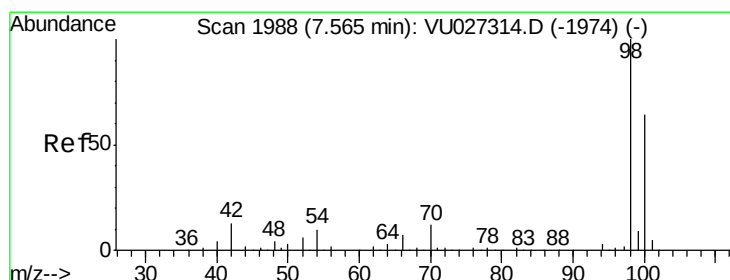
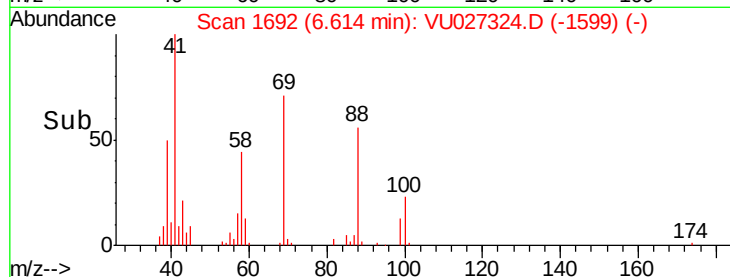
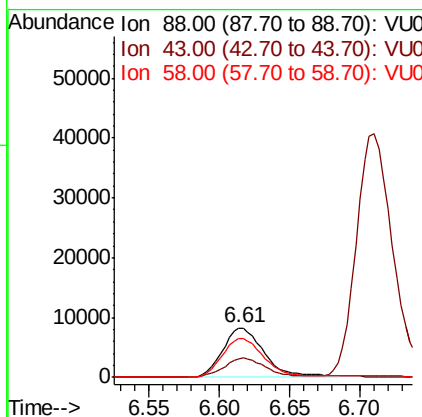
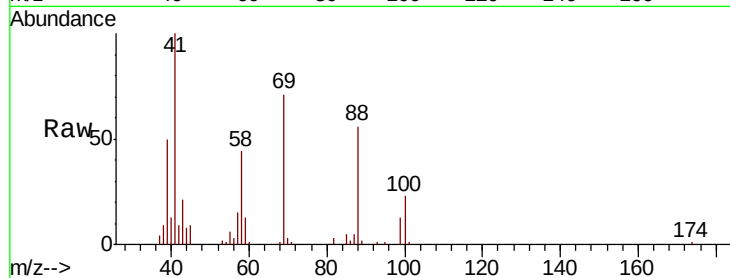
#49
1,4-Dioxane
Concen: 455.737 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Instrument :
MSVOA_U
ClientSampleId :
VU1001WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.6	30.8	46.2
58	77.9	67.0	100.6

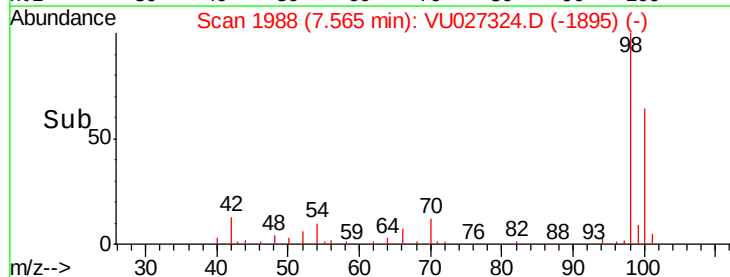
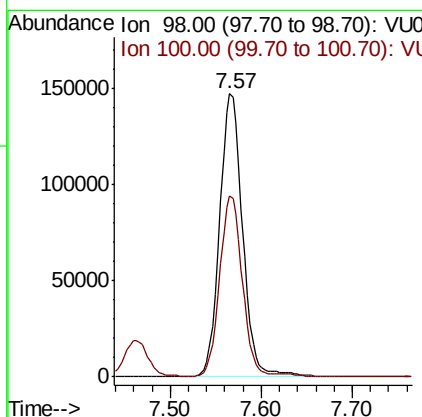
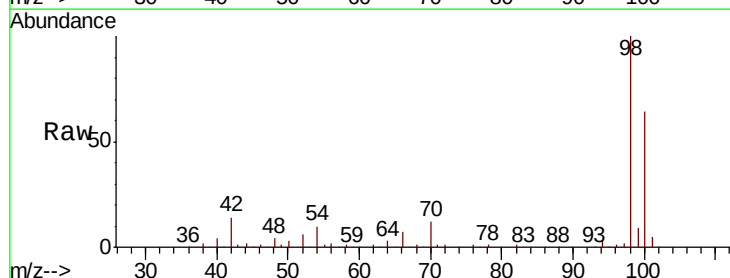
Manual Integrations
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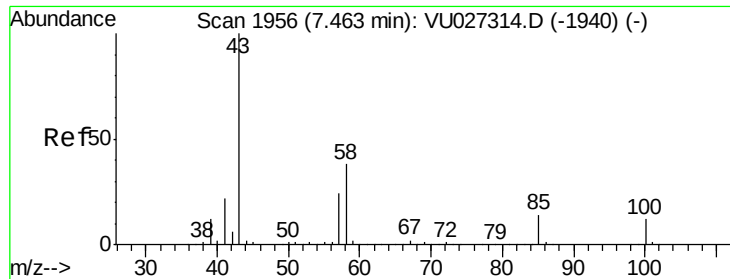
MMDadoda
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#50
Toluene-d8
Concen: 50.264 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.0	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 102.328 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Instrument :

MSVOA_U

ClientSampleId :

VU1001WBSD01

Tot Ion: 43 Resp: 289824

Ion Ratio Lower Upper

43 100

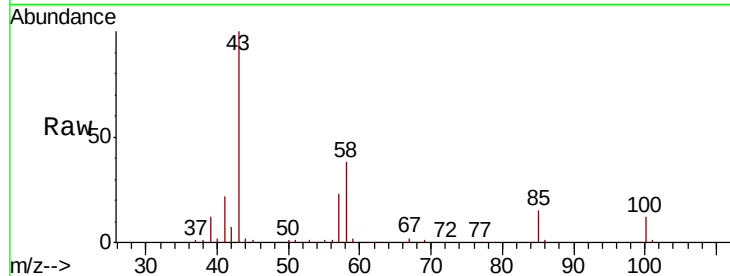
58 37.3 29.8 44.8

Manual Integrations

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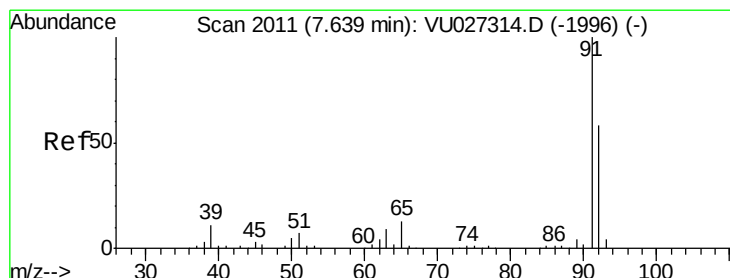
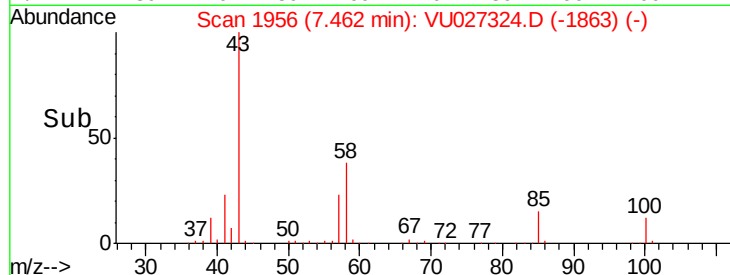
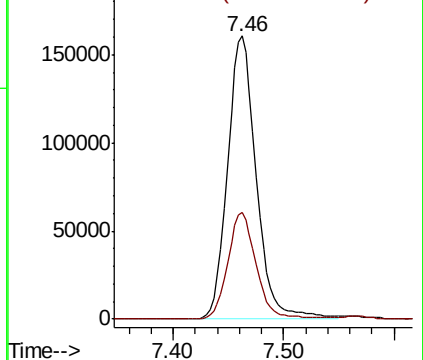
MMDadoda

10/3/2018 11:41:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 19.988 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027324.D

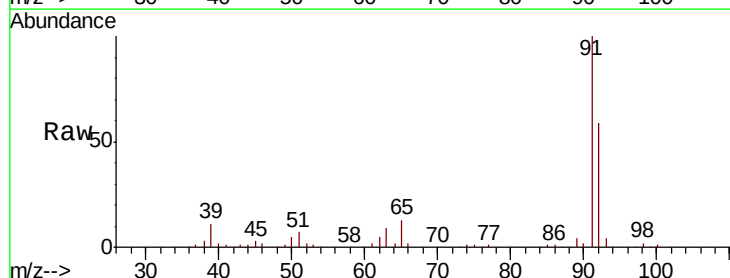
Acq: 01 Oct 2018 17:35

Tgt Ion: 92 Resp: 74833

Ion Ratio Lower Upper

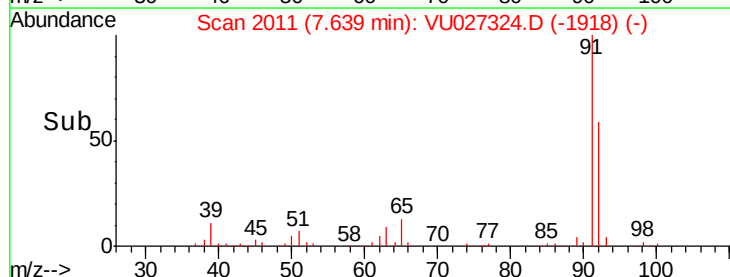
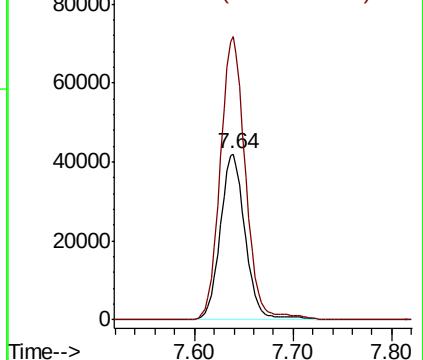
92 100

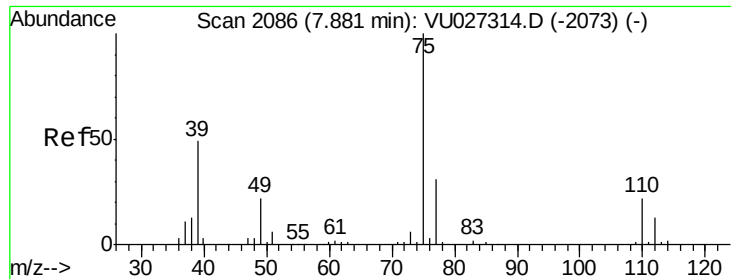
91 172.2 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





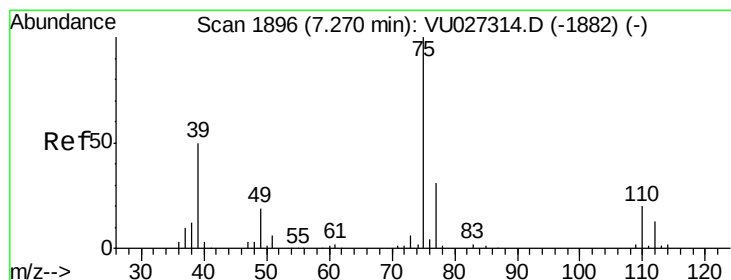
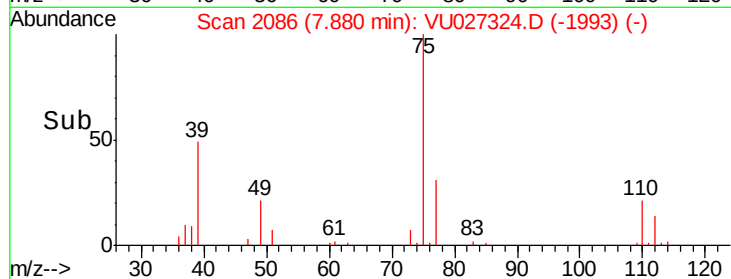
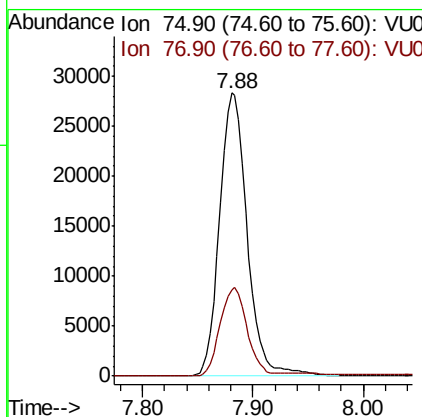
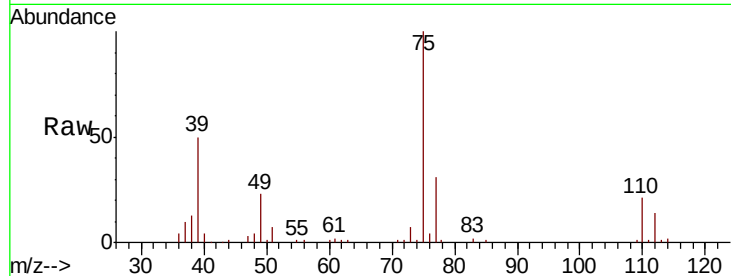
#53
t-1,3-Dichloropropene
Concen: 19.625 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Instrument :
MSVOA_U
ClientSampleId :
VU1001WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.0	37.6

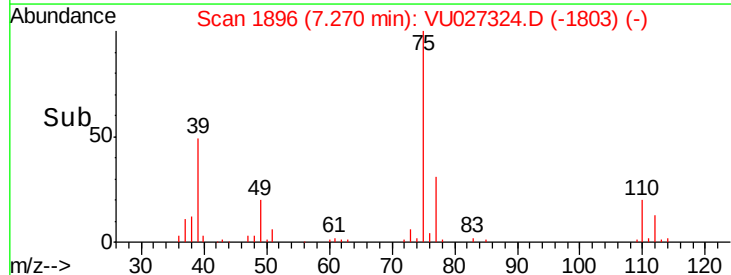
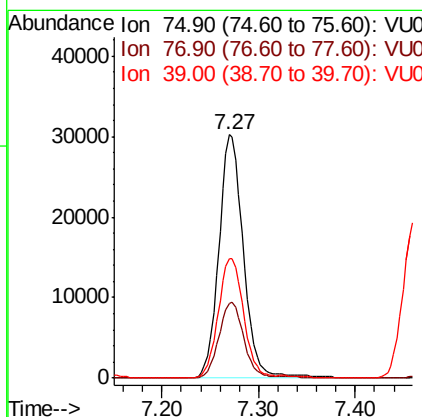
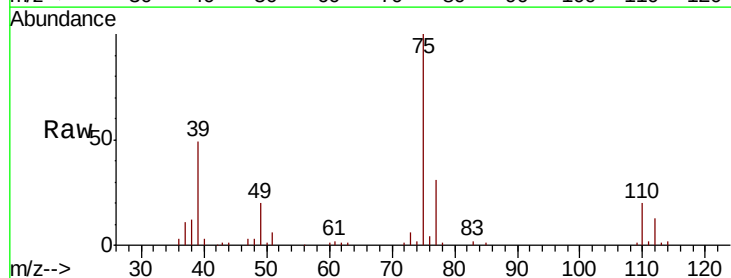
Manual Integrations
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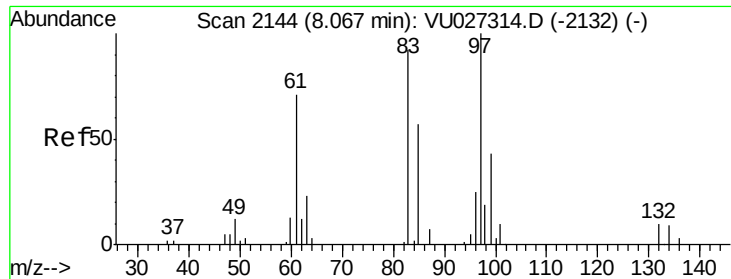
MMDadoda
10/3/2018 11:41:47 AM



#54
cis-1,3-Dichloropropene
Concen: 19.785 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.5	36.7
39	49.1	40.1	60.1





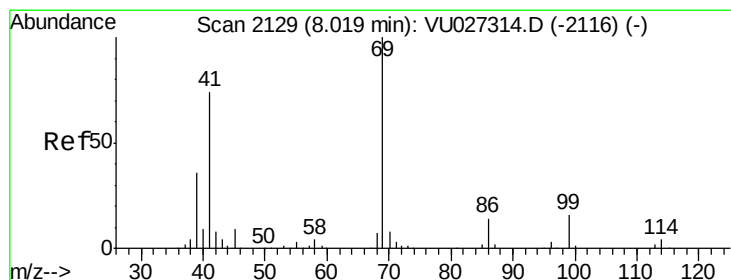
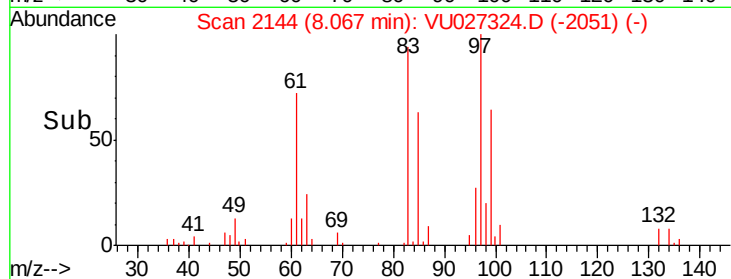
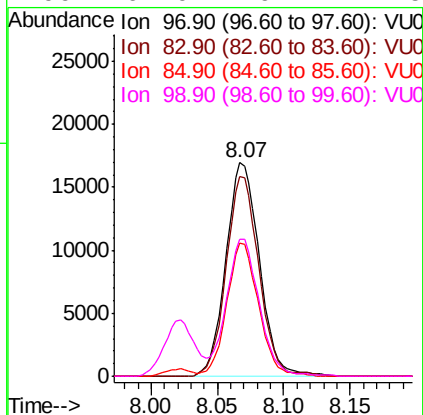
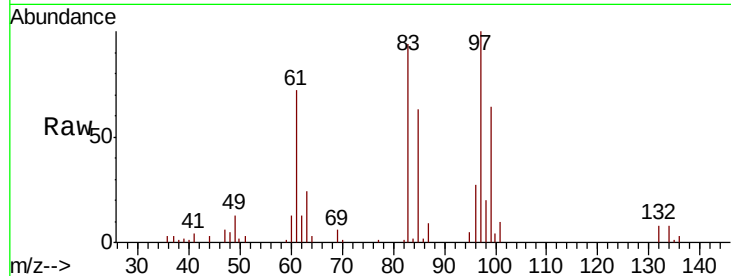
#55
 1,1,2-Trichloroethane
 Concen: 20.068 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027324.D
 Acq: 01 Oct 2018 17:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1001WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		29788		
83	93.5	73.0	109.6		
85	62.5	47.3	70.9		
99	64.0	49.7	74.5		

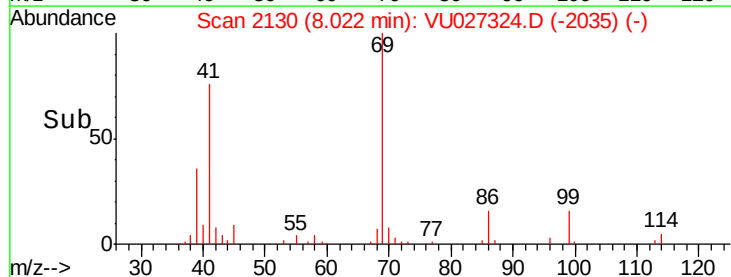
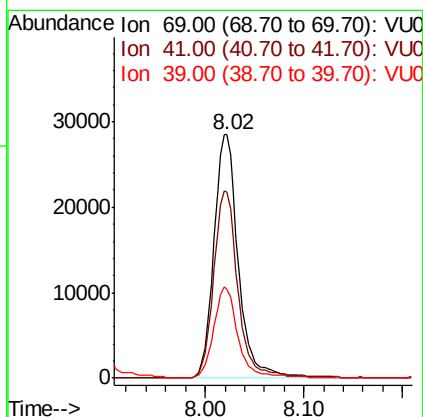
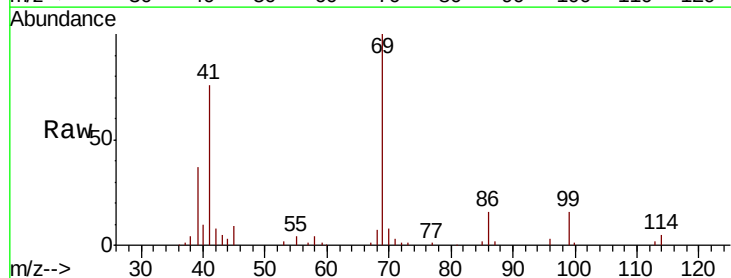
Manual Integrations
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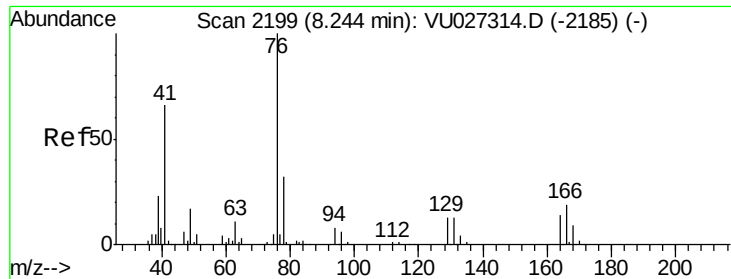
MMDadoda
 10/3/2018 11:41:47 AM



#56
 Ethyl methacrylate
 Concen: 18.825 ug/l
 RT: 8.02 min Scan# 2130
 Delta R.T. 0.00 min
 Lab File: VU027324.D
 Acq: 01 Oct 2018 17:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		49294		
41	76.7	60.0	90.0		
39	37.6	29.5	44.3		





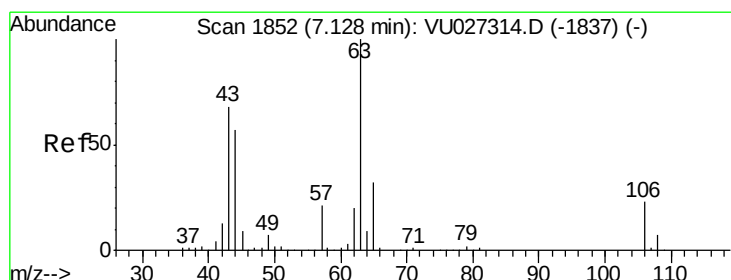
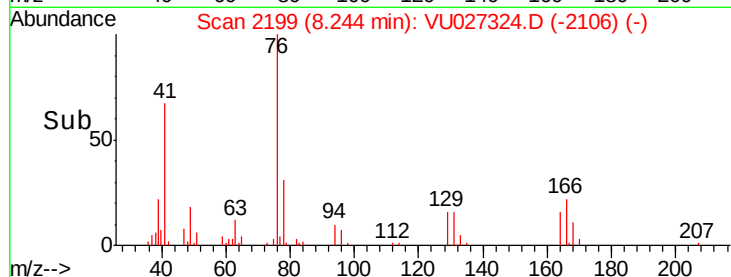
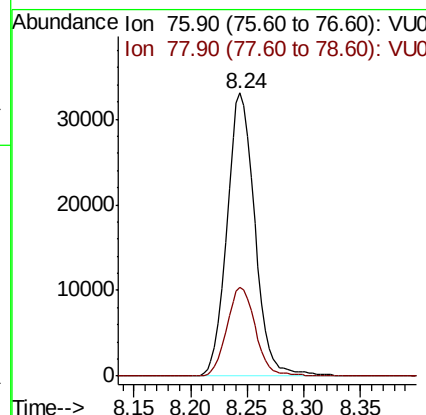
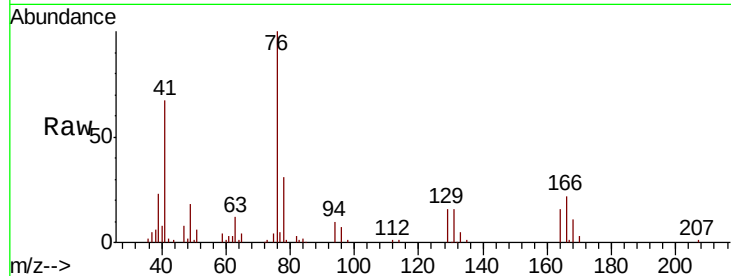
#57
 1,3-Dichloropropane
 Concen: 19.693 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027324.D
 Acq: 01 Oct 2018 17:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1001WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.6

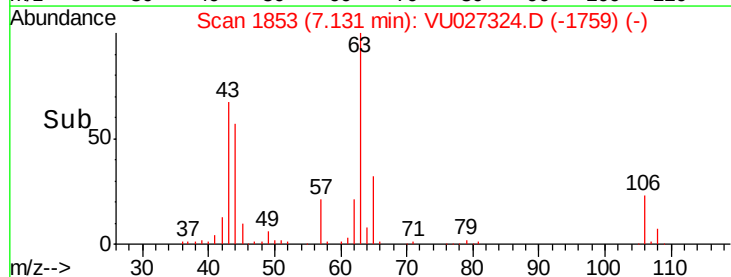
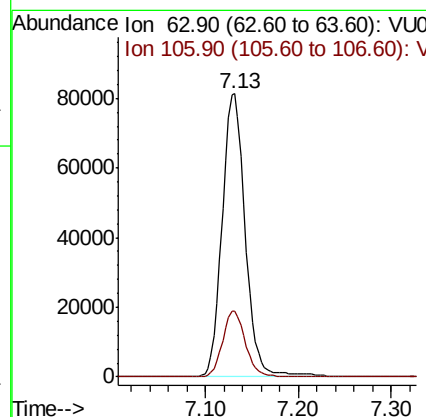
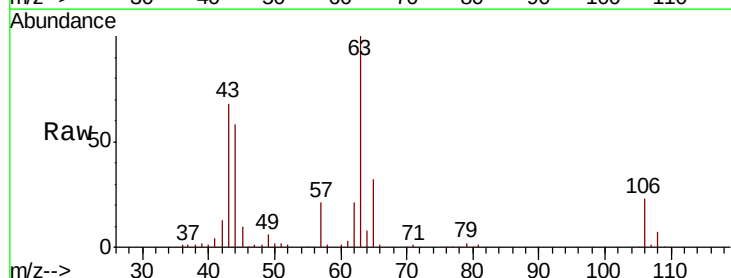
Manual Integrations
 APPROVED

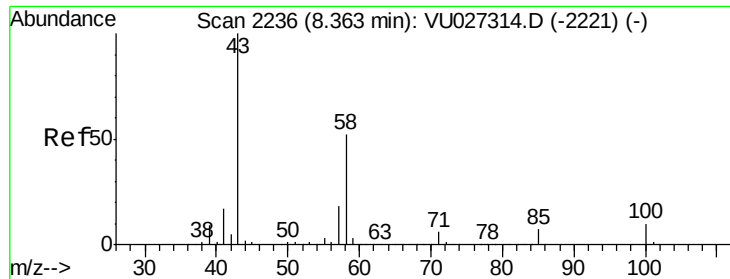
MMDadoda
 10/3/2018 11:41:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.774 ug/l
 RT: 7.13 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VU027324.D
 Acq: 01 Oct 2018 17:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.9	18.5	27.7





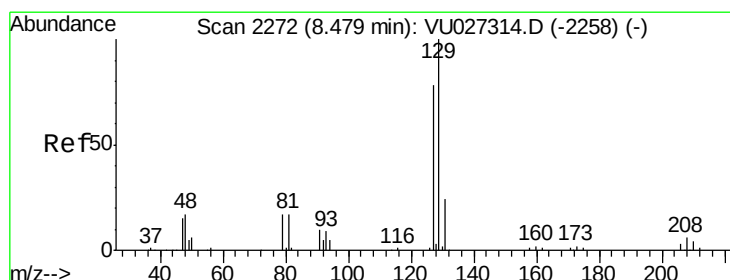
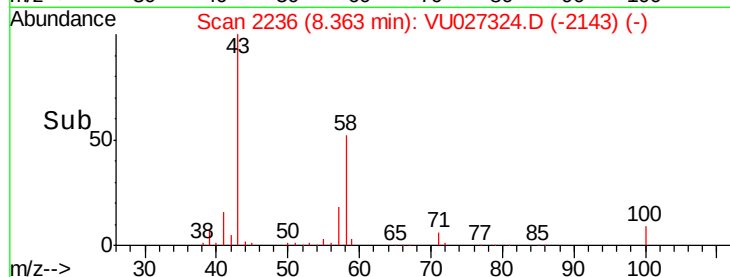
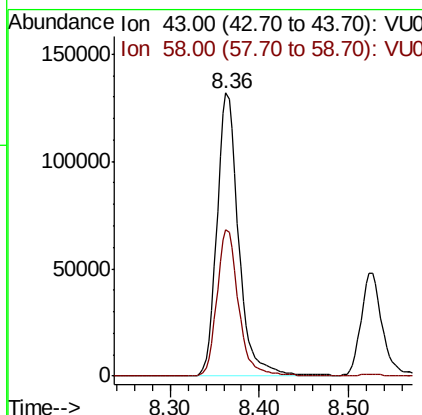
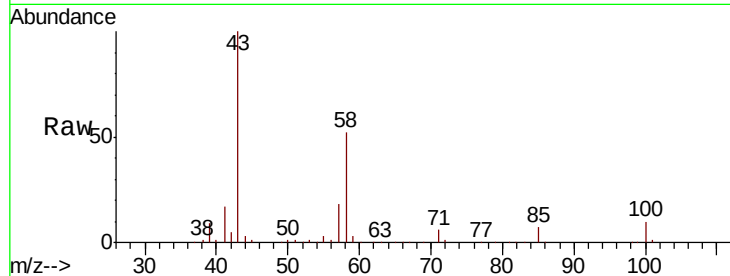
#59
2-Hexanone
Concen: 101.558 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Instrument :
MSVOA_U
ClientSampleId :
VU1001WBSD01

Tot Ion: 43 Resp: 223131
Ion Ratio Lower Upper
43 100
58 51.6 26.1 78.3

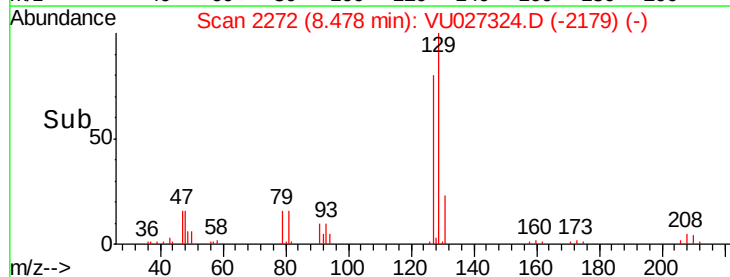
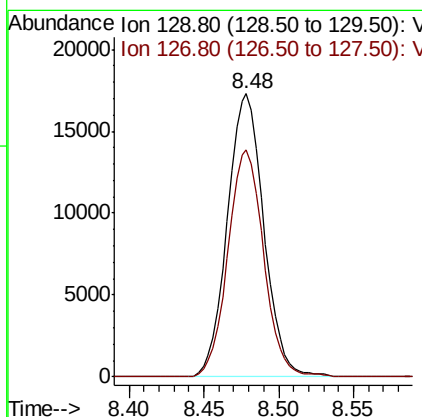
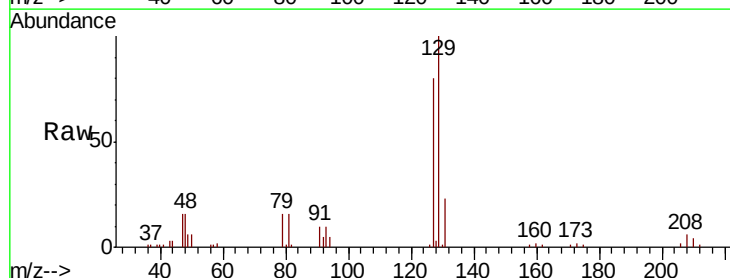
Manual Integrations
APPROVED

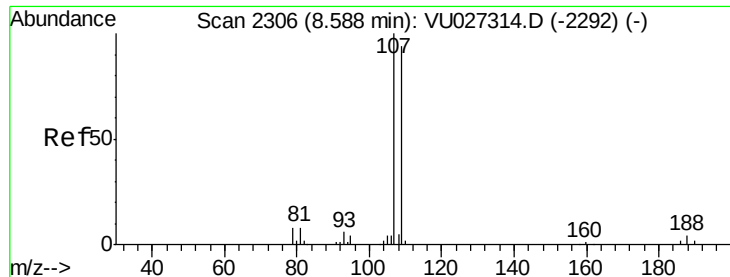
MMDadoda
10/3/2018 11:41:47 AM



#60
Dibromochloromethane
Concen: 19.706 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Tgt Ion: 129 Resp: 29337
Ion Ratio Lower Upper
129 100
127 78.7 39.1 117.2





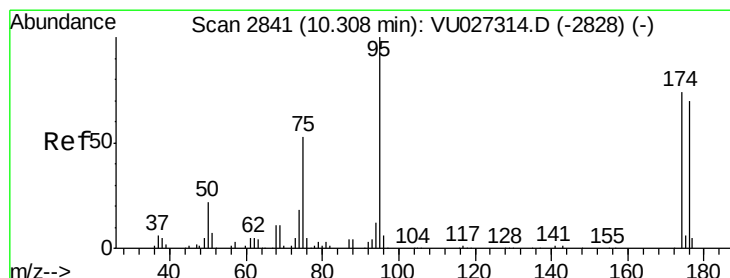
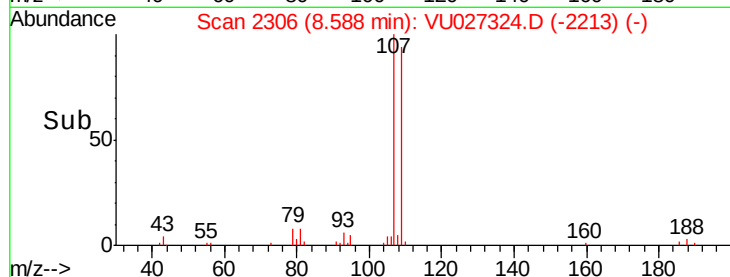
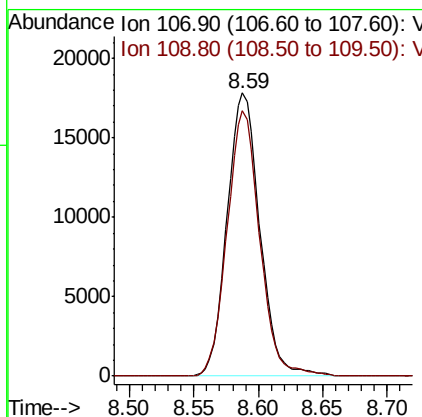
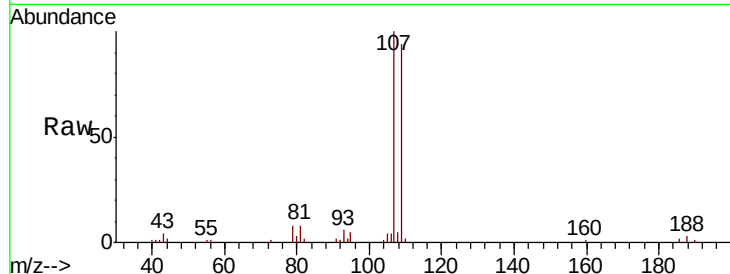
#61
 1,2-Dibromoethane
 Concen: 19.950 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027324.D
 Acq: 01 Oct 2018 17:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1001WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	74.5	111.7

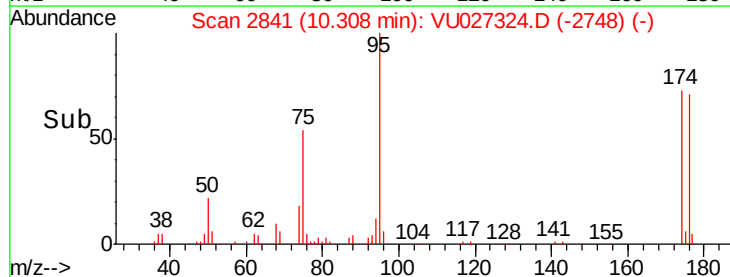
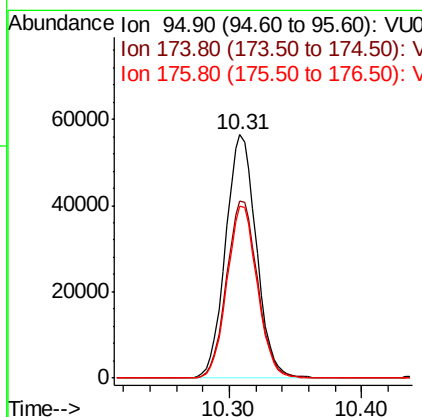
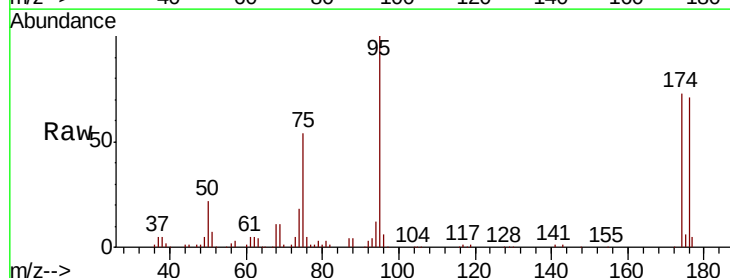
Manual Integrations
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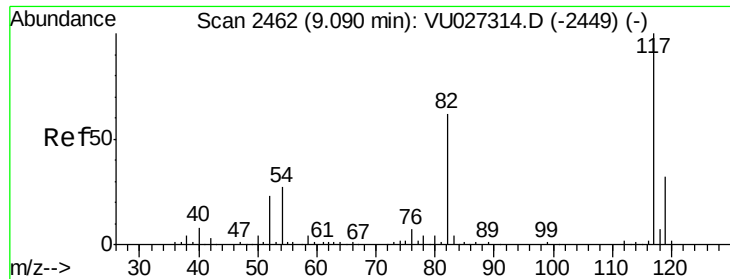
MMDadoda
 10/3/2018 11:41:47 AM



#62
 4-Bromofluorobenzene
 Concen: 47.610 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027324.D
 Acq: 01 Oct 2018 17:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	147.8
176	69.7	0.0	140.8





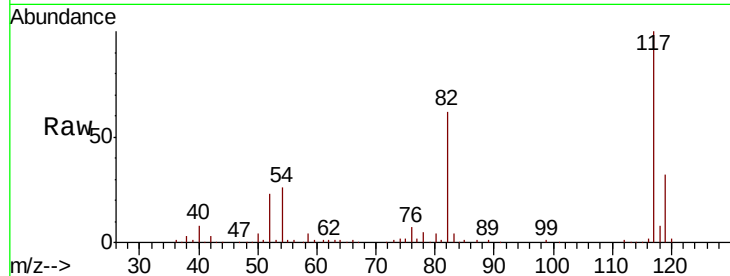
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Instrument :
MSVOA_U
ClientSampleId :
VU1001WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.3	49.2	73.8
119	31.8	25.7	38.5

Manual Integrations
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MMDadoda
10/3/2018 11:41:47 AM

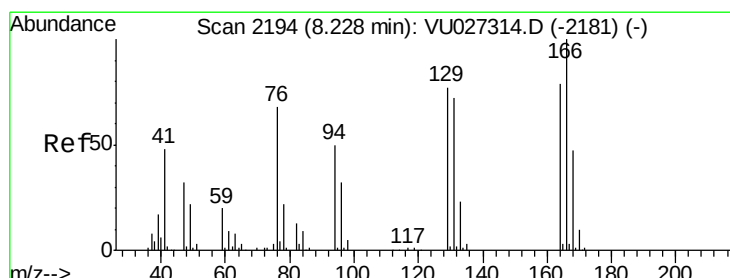
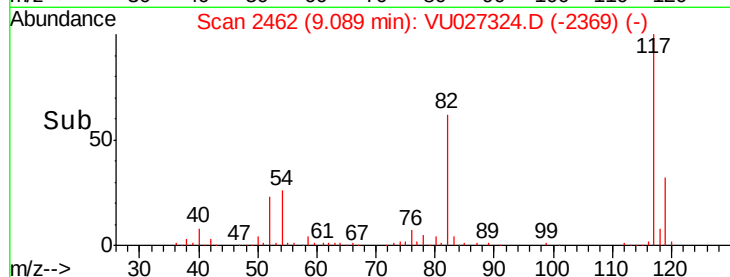
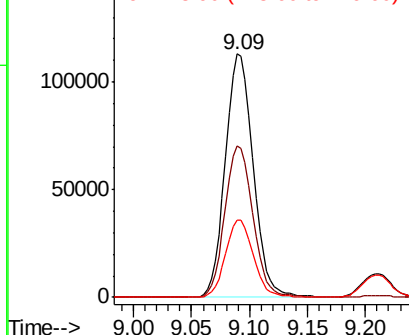


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.668 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	101.0	151.6
129	100.5	78.0	117.0
131	92.8	72.6	109.0

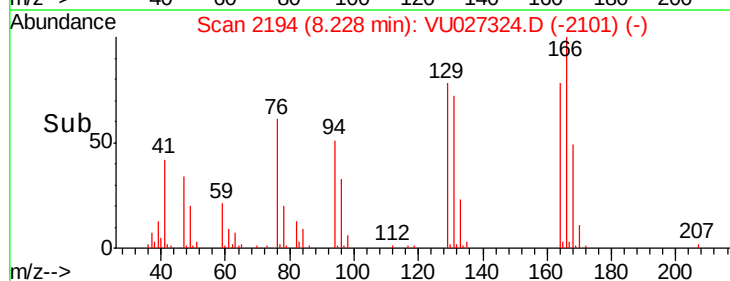
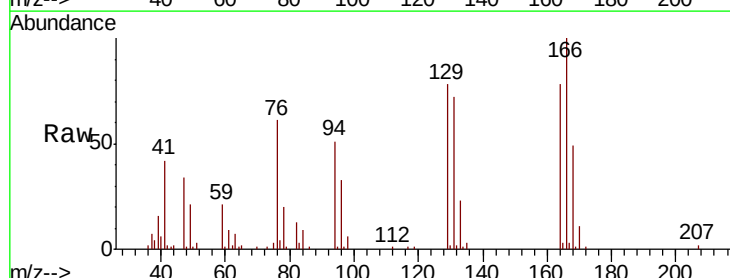
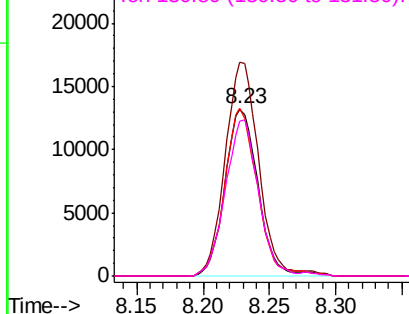
Abundance

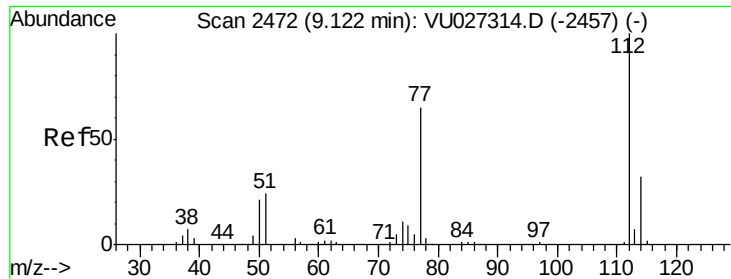
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





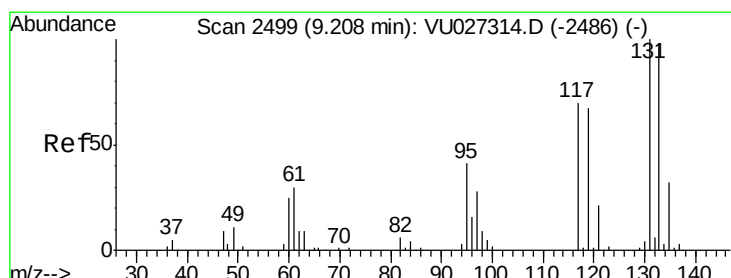
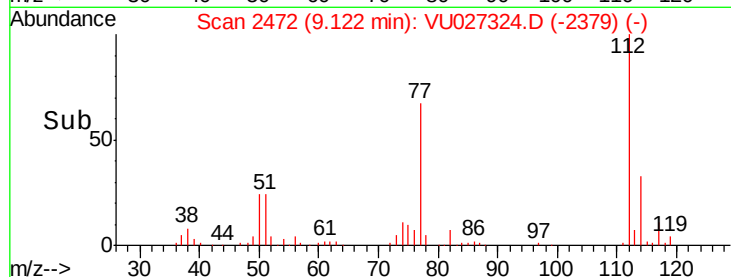
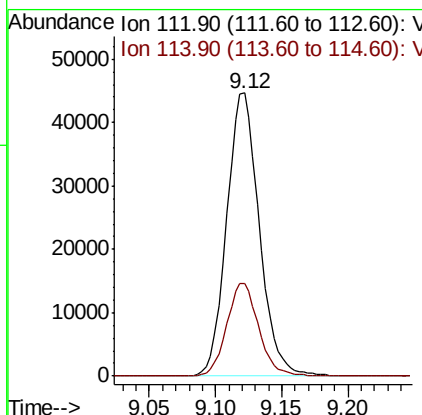
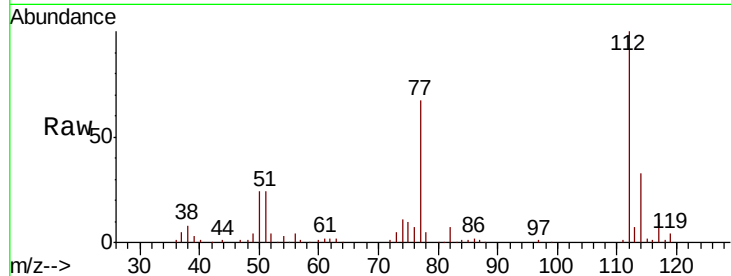
#65
Chlorobenzene
Concen: 19.250 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Instrument :
MSVOA_U
ClientSampleId :
VU1001WBSD01

Tot Ion:112 Resp: 76215
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.6

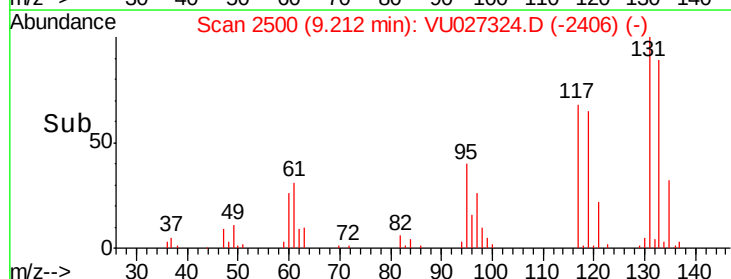
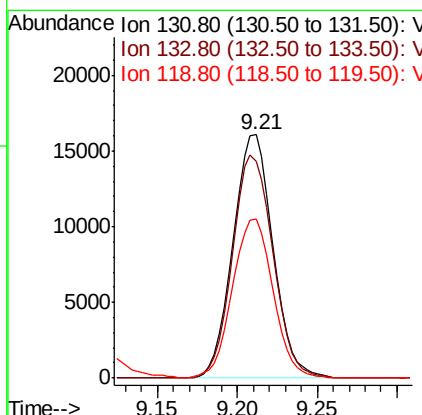
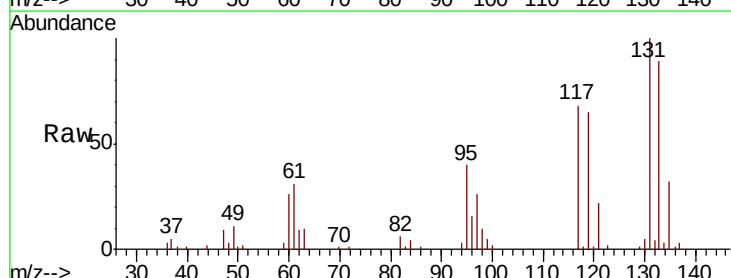
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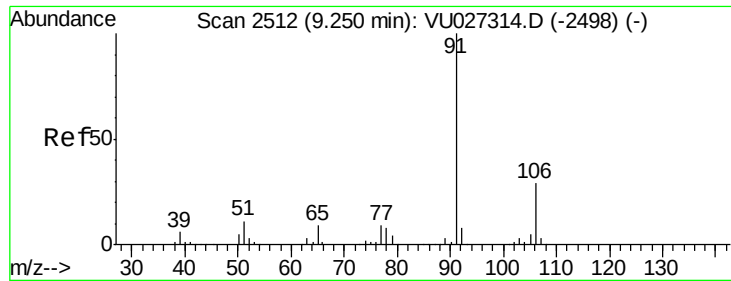
MMDadoda
10/3/2018 11:41:47 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.004 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Tgt Ion:131 Resp: 27341
Ion Ratio Lower Upper
131 100
133 93.0 48.5 145.6
119 66.4 33.5 100.4





#67

Ethyl Benzene

Concen: 19.405 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Instrument :

MSVOA_U

ClientSampleId :

VU1001WBSD01

Tot Ion: 91 Resp: 136117

Ion Ratio Lower Upper

91 100

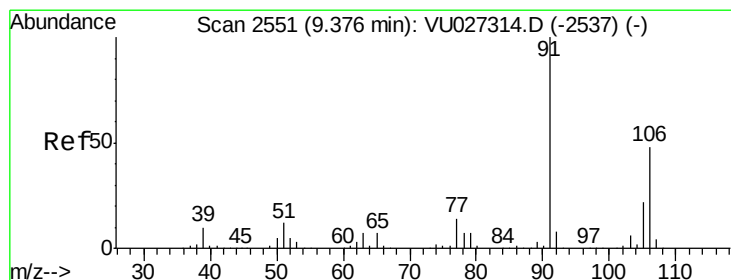
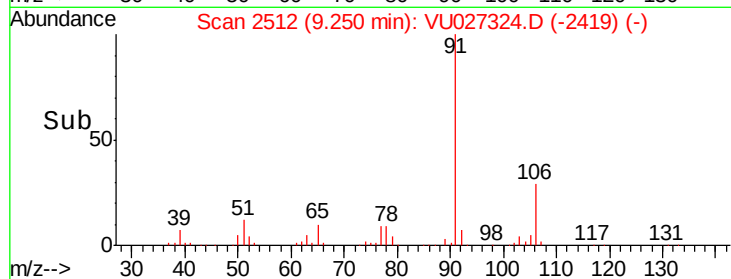
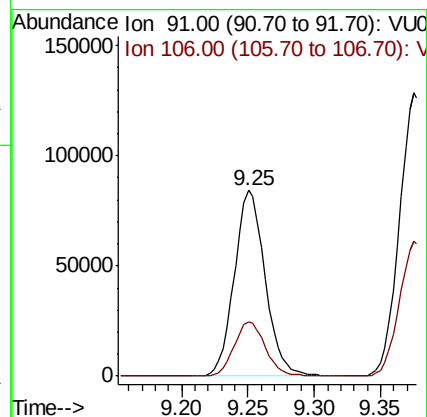
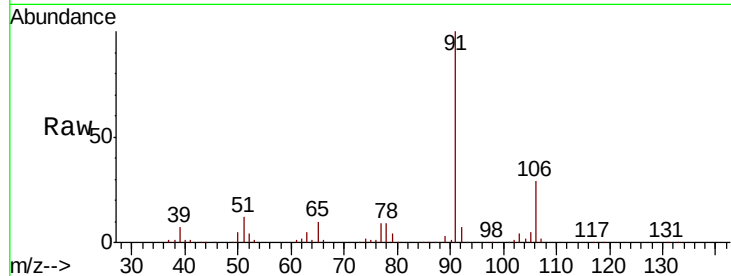
106 29.5 23.6 35.4

Manual Integrations

APPROVED

MMDadoda

10/3/2018 11:41:47 AM



#68

m/p-Xylenes

Concen: 39.590 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027324.D

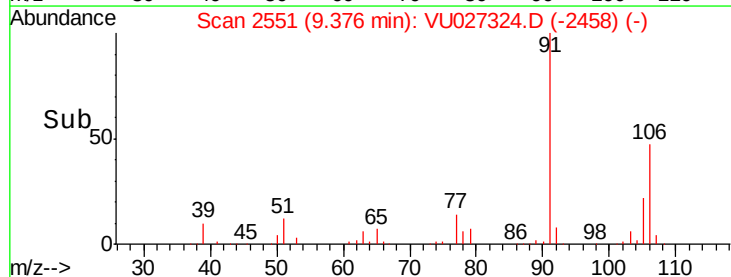
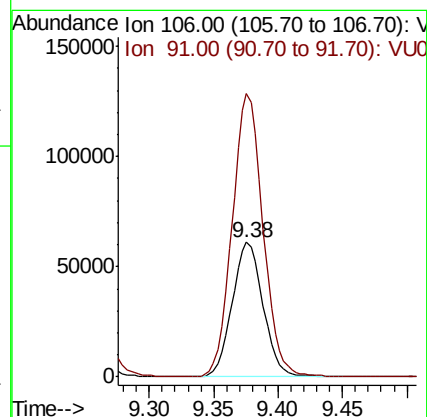
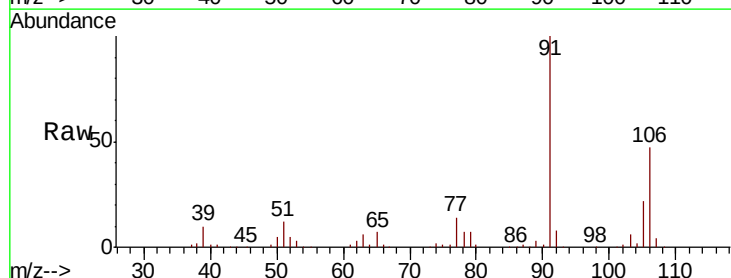
Acq: 01 Oct 2018 17:35

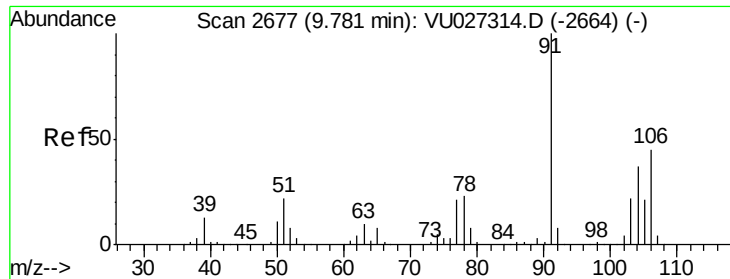
Tgt Ion: 106 Resp: 101581

Ion Ratio Lower Upper

106 100

91 209.1 168.1 252.1





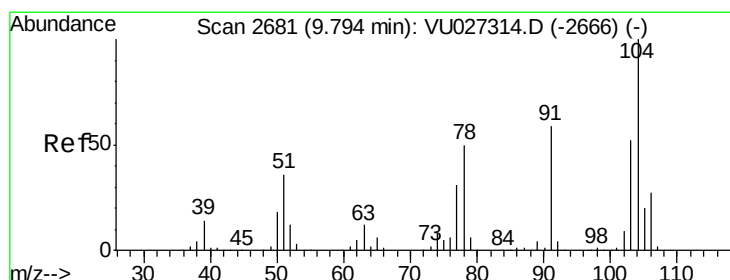
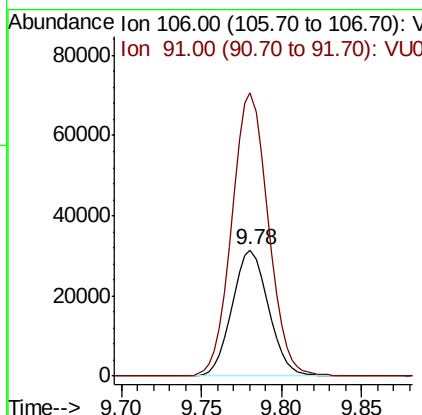
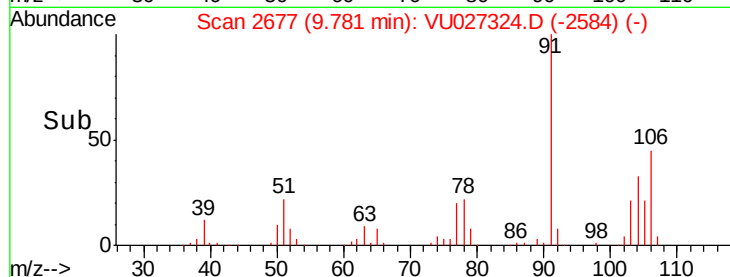
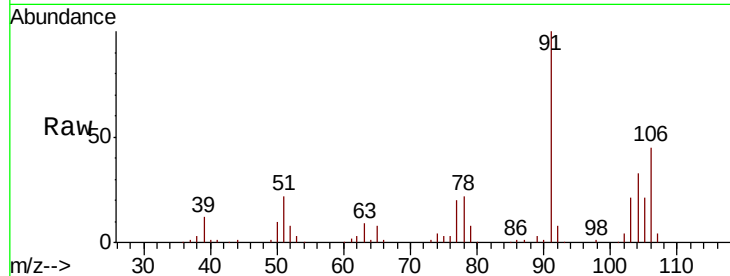
#69
o-Xylene
Concen: 19.981 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Instrument :
MSVOA_U
ClientSampleId :
VU1001WBSD01

Tot Ion:106 Resp: 48720
Ion Ratio Lower Upper
106 100
91 224.8 111.7 334.9

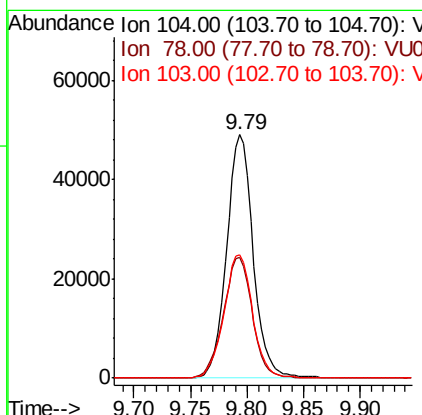
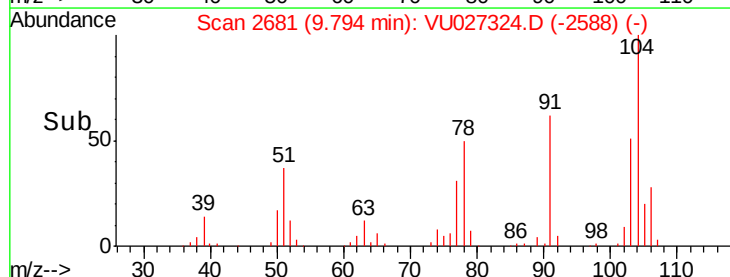
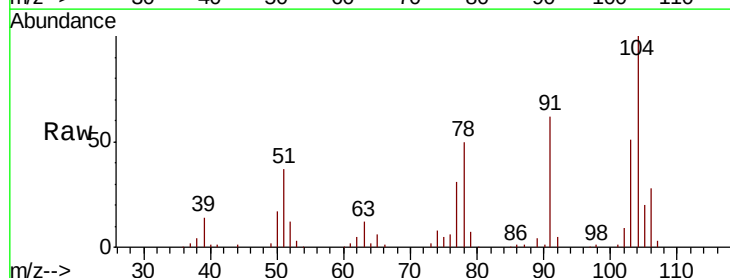
Manual Integrations
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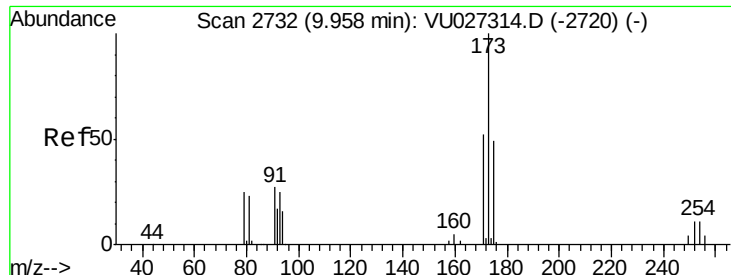
MMDadoda
10/3/2018 11:41:47 AM



#70
Styrene
Concen: 19.043 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Tgt Ion:104 Resp: 79992
Ion Ratio Lower Upper
104 100
78 54.1 42.9 64.3
103 54.8 43.9 65.9





#71

Bromoform

Concen: 19.000 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Instrument :

MSVOA_U

ClientSampleId :

VU1001WBSD01

Tot Ion:173 Resp: 20894

Ion Ratio Lower Upper

173 100

175 49.3 24.3 73.0

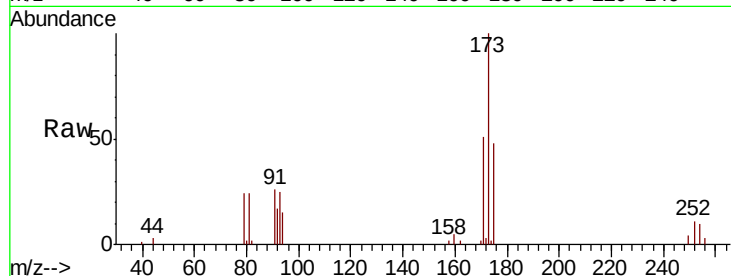
254 0.0 0.0 0.0

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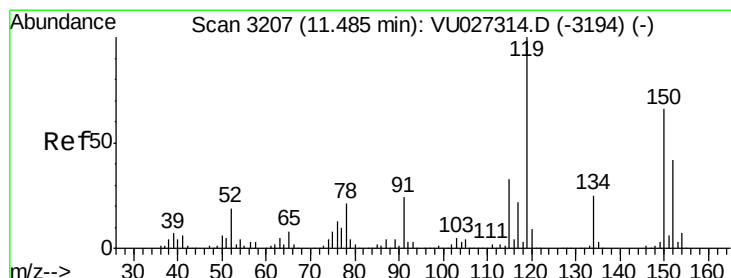
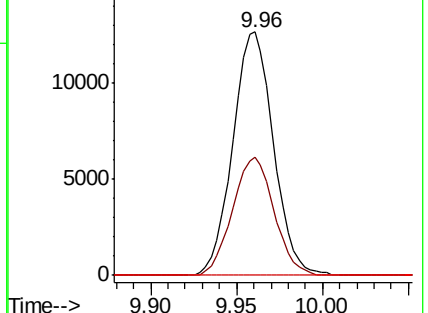
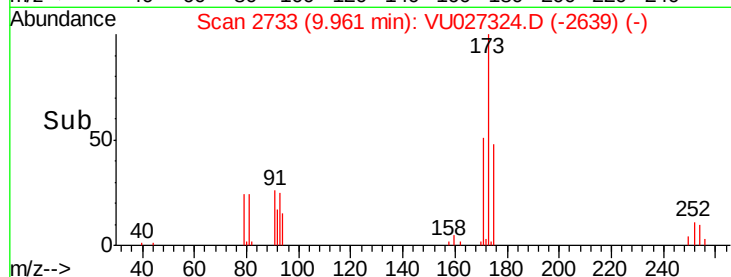
10/3/2018 11:41:47 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

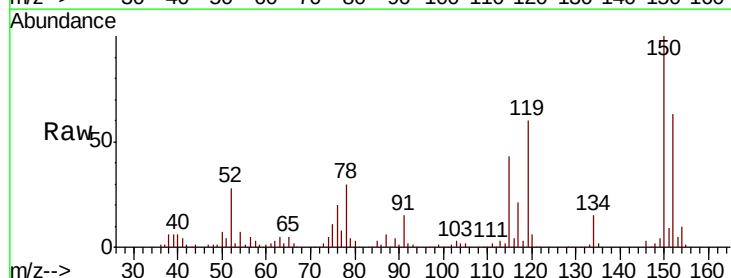
Tgt Ion:152 Resp: 88057

Ion Ratio Lower Upper

152 100

115 71.3 43.4 130.2

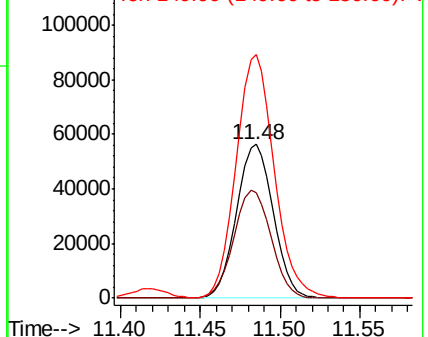
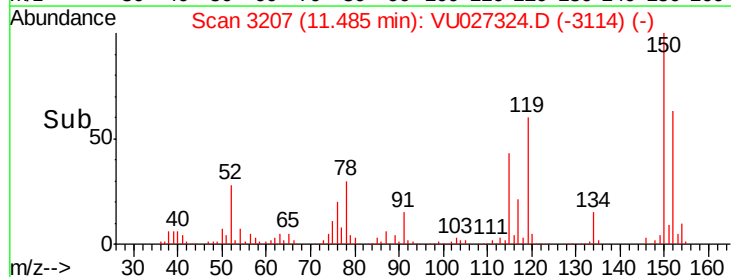
150 164.4 0.0 349.2

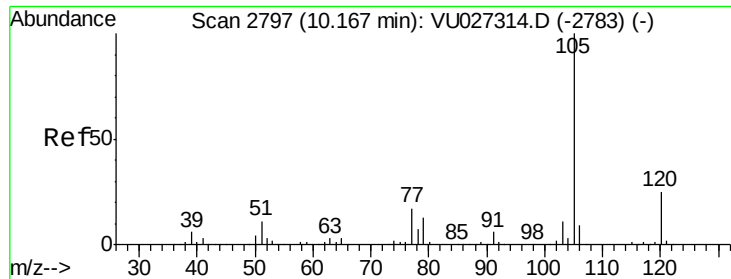


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.627 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Instrument :

MSVOA_U

ClientSampleId :

VU1001WBSD01

Tot Ion: 105 Resp: 131919

Ion Ratio Lower Upper

105 100

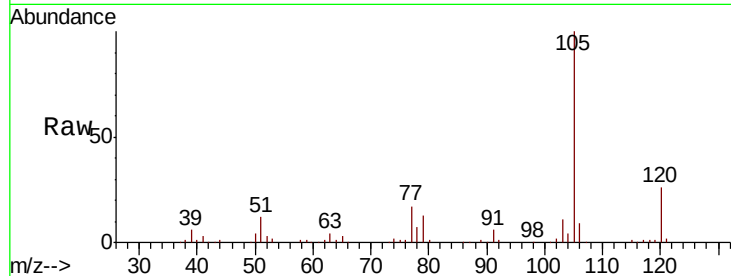
120 25.2 12.6 37.8

Manual Integrations

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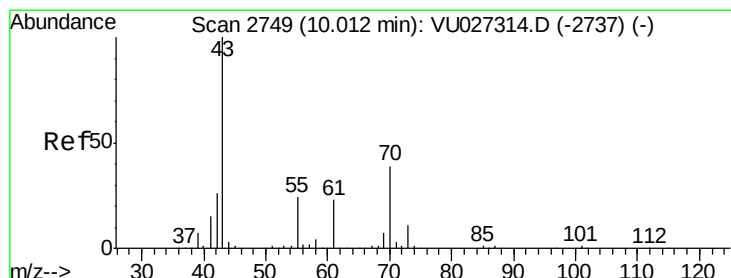
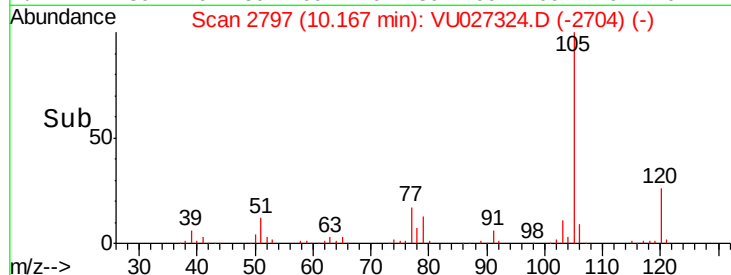
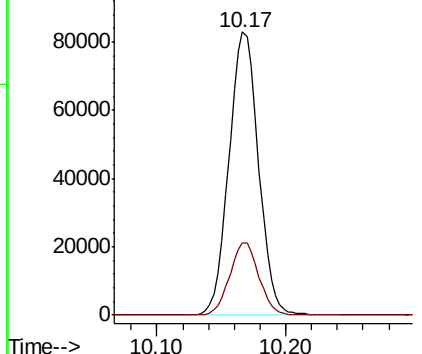
MMDadoda

10/3/2018 11:41:47 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.183 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Tgt Ion: 43 Resp: 73894

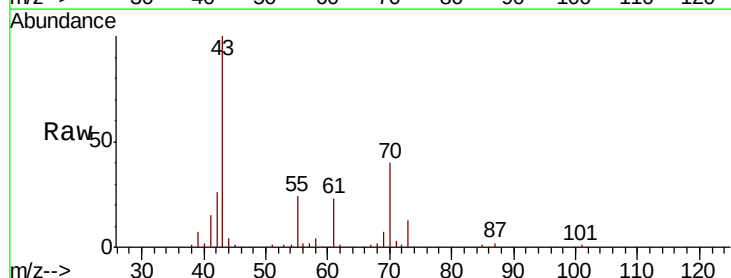
Ion Ratio Lower Upper

43 100

70 39.7 31.3 46.9

55 23.8 19.0 28.6

61 22.8 18.5 27.7

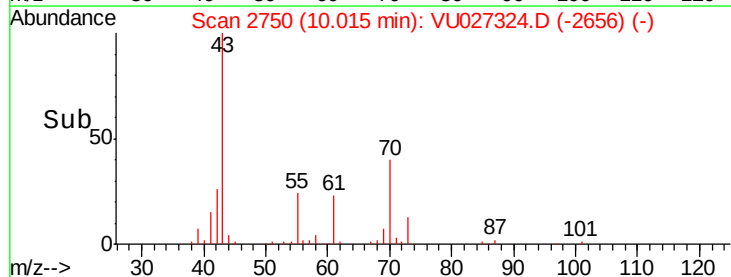
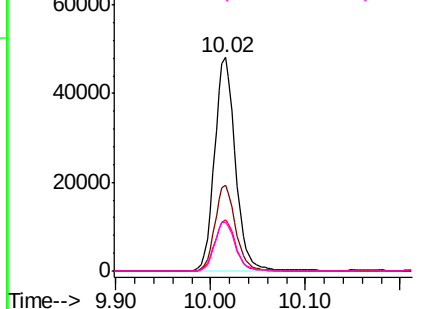


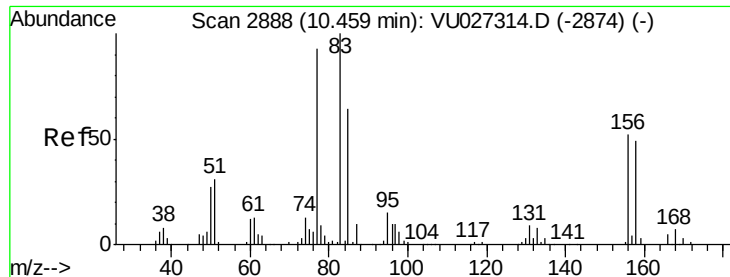
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 20.574 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Instrument :

MSVOA_U

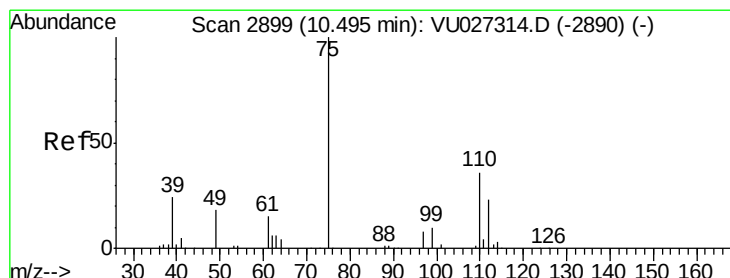
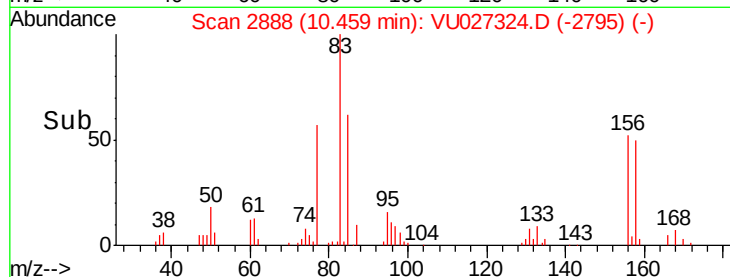
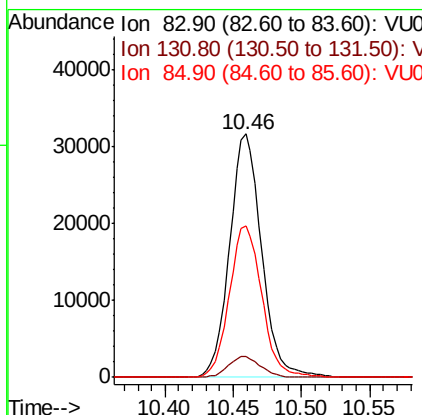
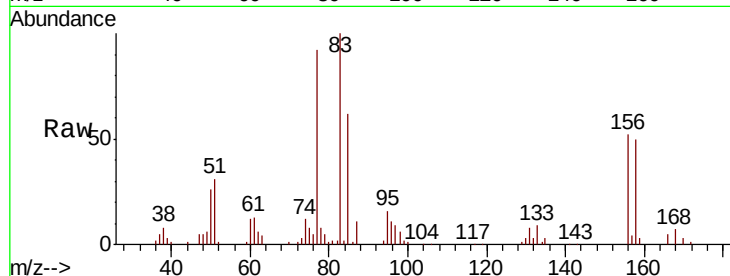
ClientSampleId :

VU1001WBSD01

Tot Ion:	83	Resp:	51665
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.4	13.2
85	63.5	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 20.115 ug/l m

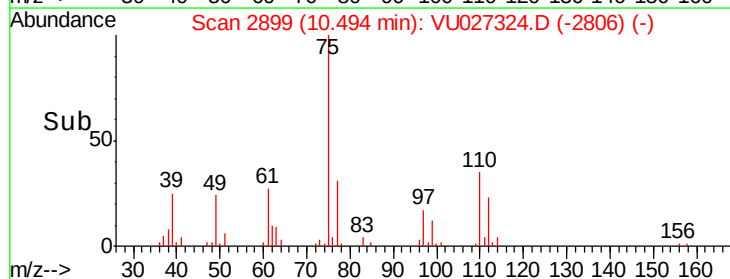
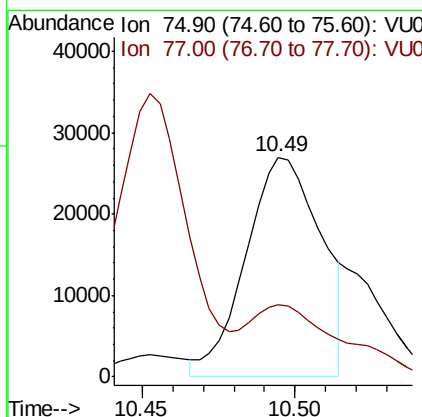
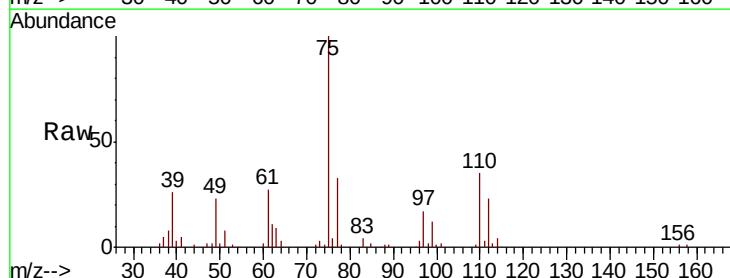
RT: 10.49 min Scan# 2899

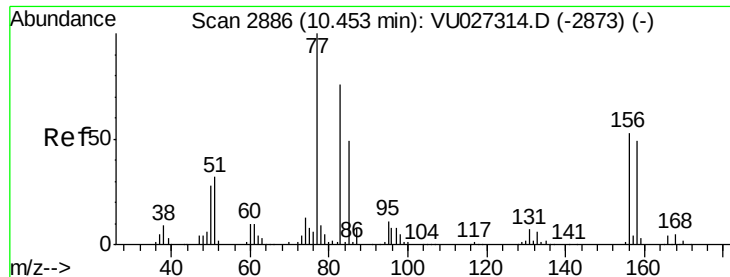
Delta R.T. -0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Tgt Ion:	75	Resp:	45916
Ion Ratio	Lower	Upper	
75	100		
77	39.7	20.3	60.9





#77

Bromobenzene

Concen: 20.617 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Instrument :

MSVOA_U

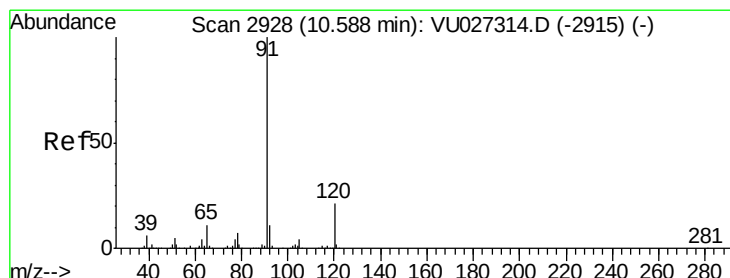
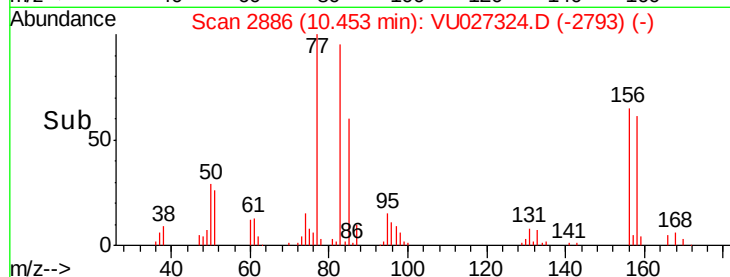
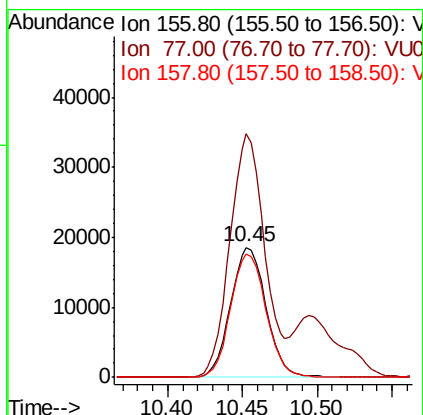
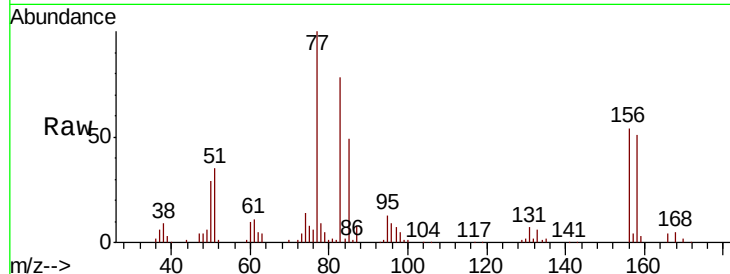
ClientSampleId :

VU1001WBSD01

Tot Ion:156 Resp: 30644
 Ion Ratio Lower Upper
 156 100
 77 183.8 94.8 284.4
 158 95.0 47.4 142.3

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#78

n-propylbenzene

Concen: 20.441 ug/l

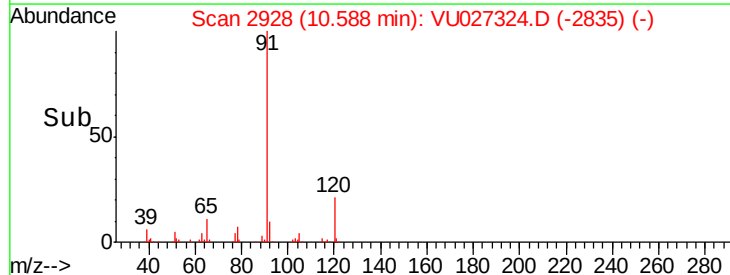
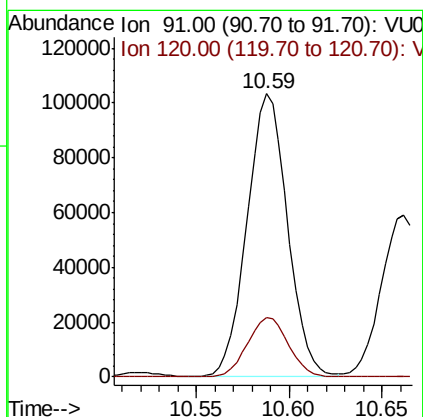
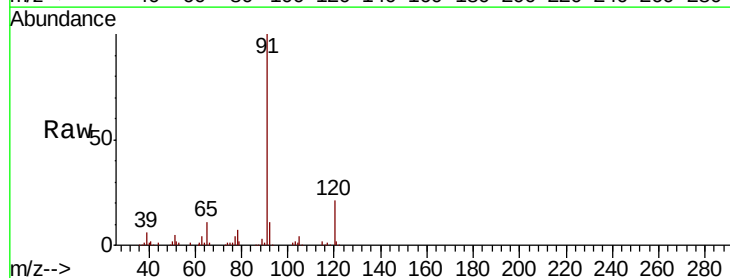
RT: 10.59 min Scan# 2928

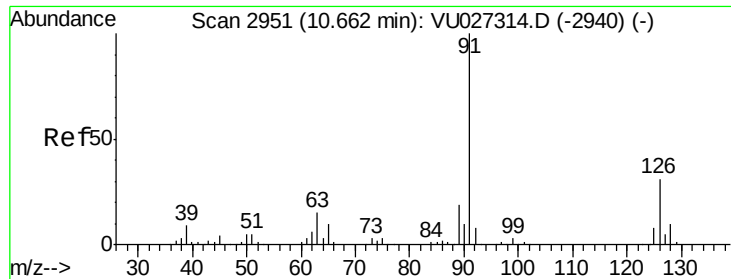
Delta R.T. -0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Tgt Ion: 91 Resp: 157091
 Ion Ratio Lower Upper
 91 100
 120 21.2 10.6 31.8





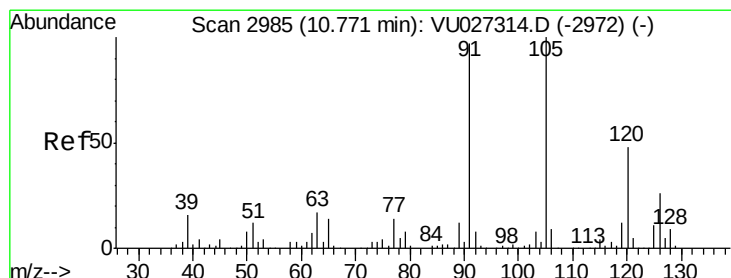
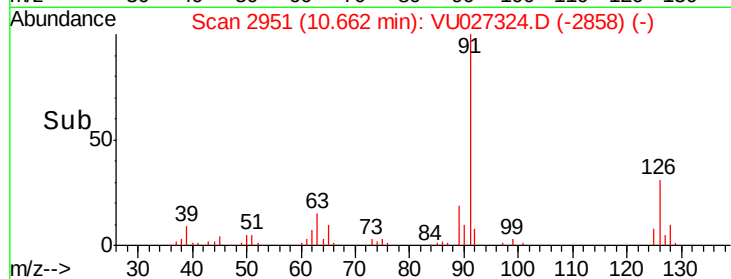
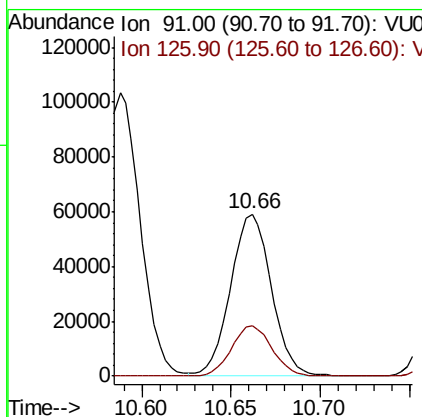
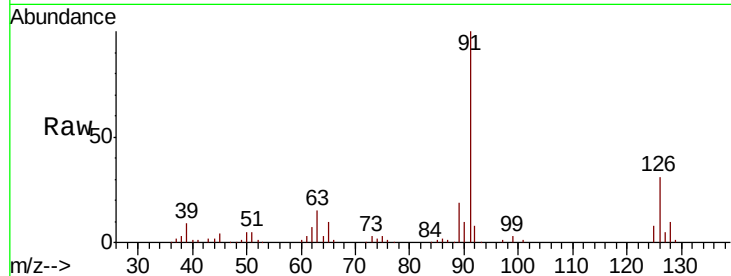
#79
 2-Chlorotoluene
 Concen: 20.183 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU027324.D
 Acq: 01 Oct 2018 17:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1001WBSD01

Tot Ion: 91 Resp: 93653
 Ion Ratio Lower Upper
 91 100
 126 31.2 15.7 47.1

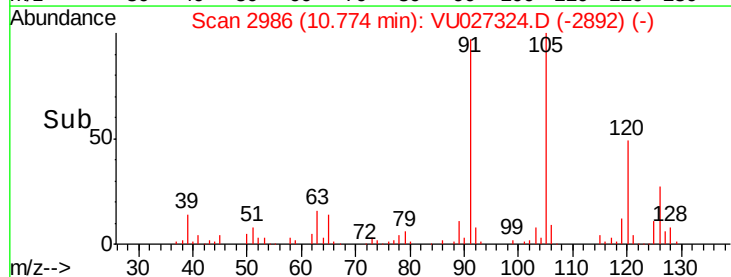
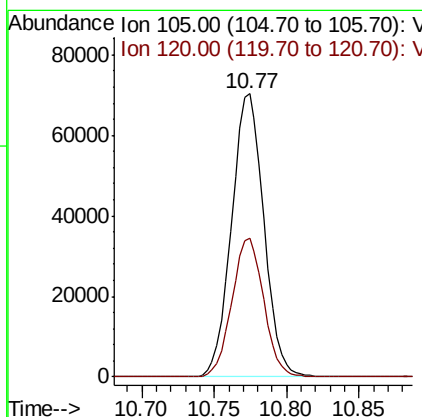
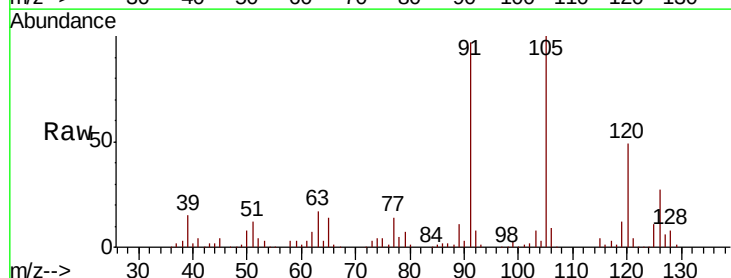
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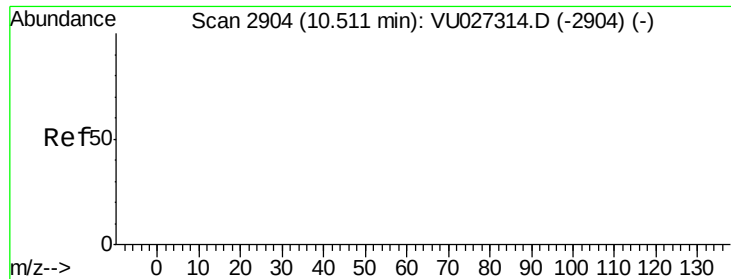
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.841 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027324.D
 Acq: 01 Oct 2018 17:35

Tgt Ion: 105 Resp: 108518
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 15.133 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Instrument :

MSVOA_U

ClientSampleId :

VU1001WBSD01

Tot Ion: 75 Resp: 13199

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

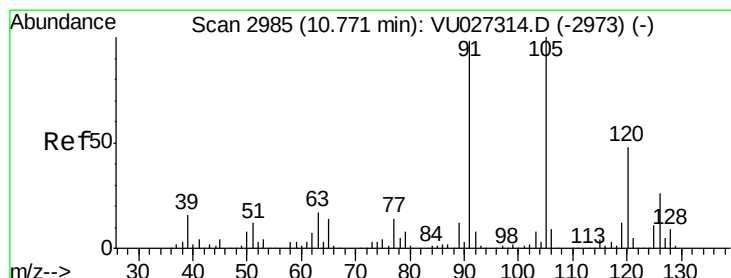
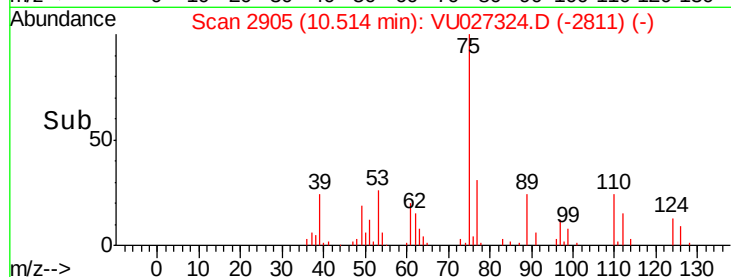
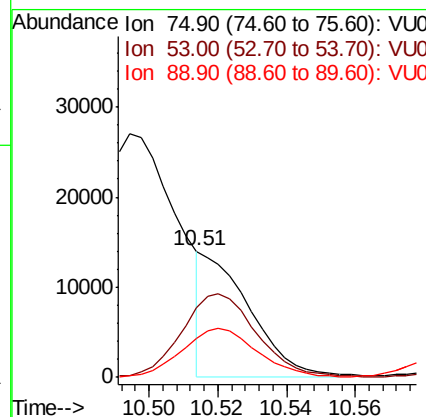
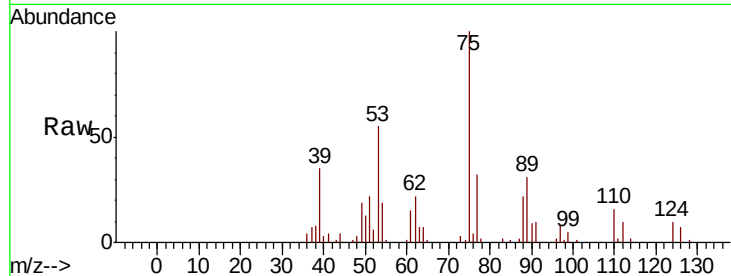
89 0.0 0.0 0.0

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#82

4-Chlorotoluene

Concen: 20.633 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027324.D

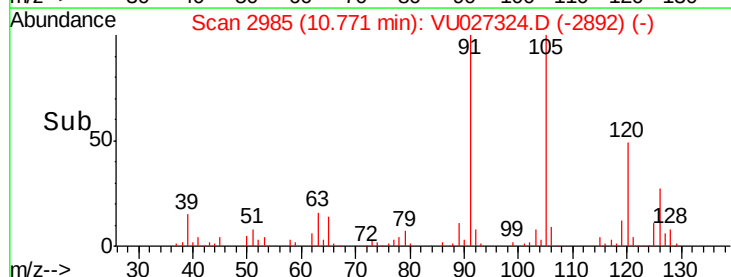
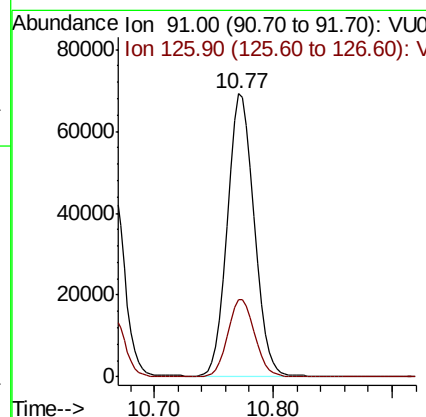
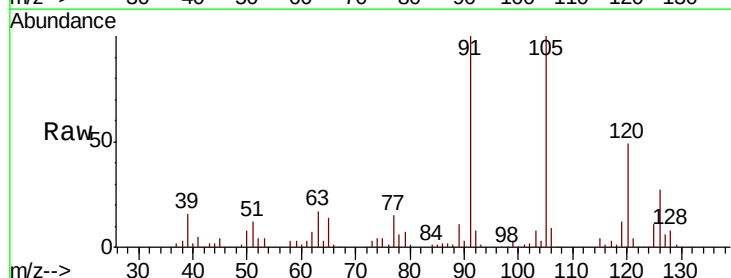
Acq: 01 Oct 2018 17:35

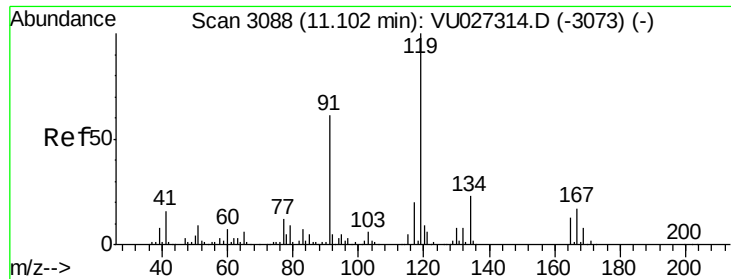
Tgt Ion: 91 Resp: 108643

Ion Ratio Lower Upper

91 100

126 27.4 13.6 40.8





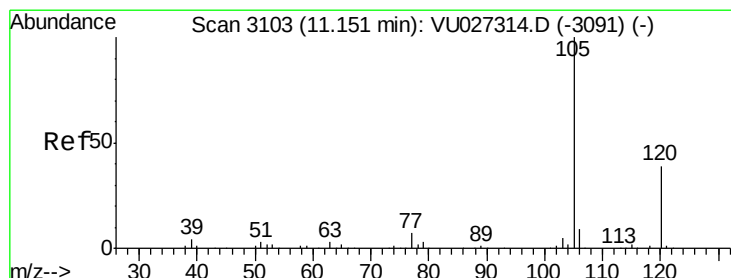
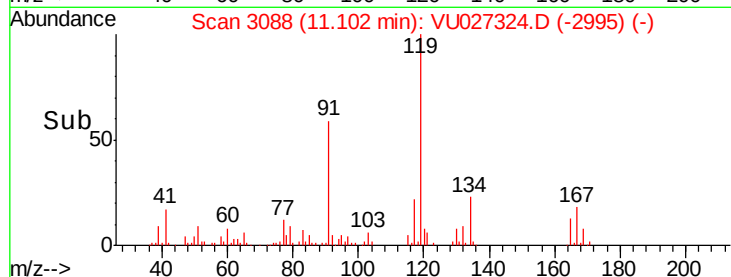
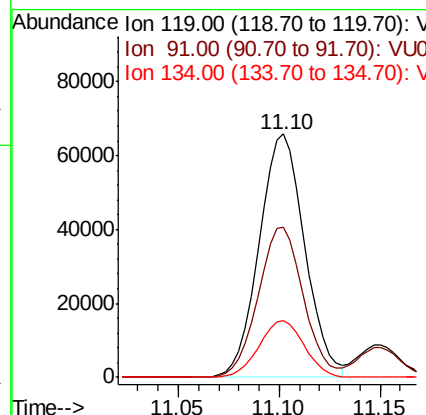
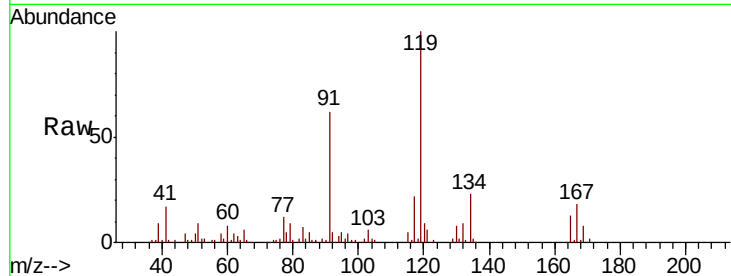
#83
 tert-Butylbenzene
 Concen: 20.595 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. -0.00 min
 Lab File: VU027324.D
 Acq: 01 Oct 2018 17:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1001WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	103668		
91	61.1	30.3	91.0	
134	23.2	11.5	34.4	

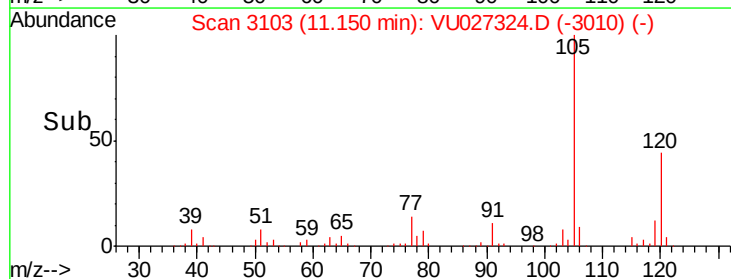
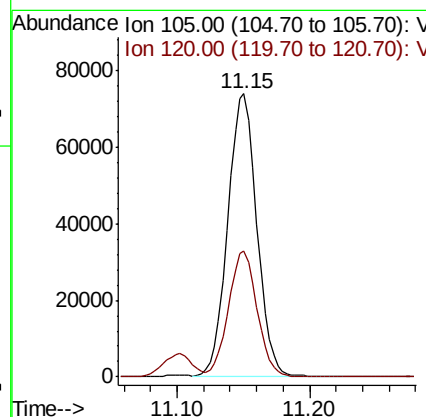
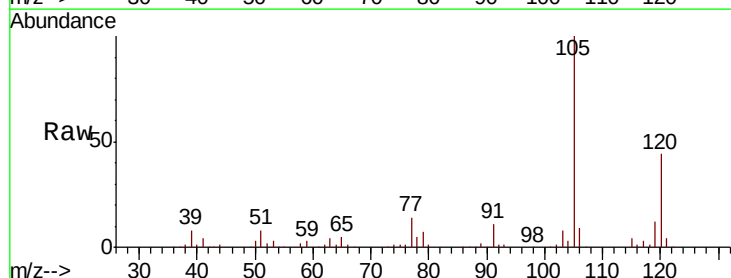
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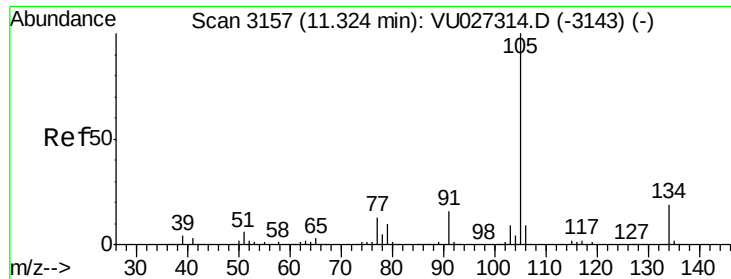
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.212 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. -0.00 min
 Lab File: VU027324.D
 Acq: 01 Oct 2018 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	112822		
120	43.8	22.1	66.5	





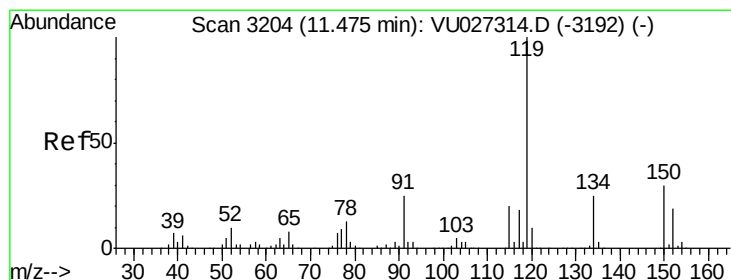
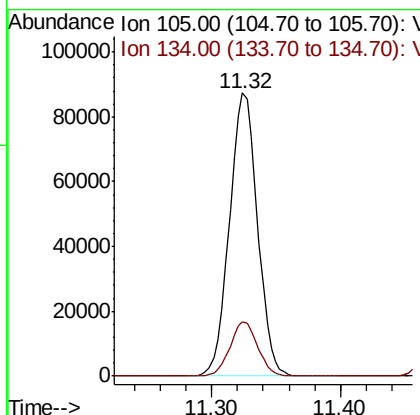
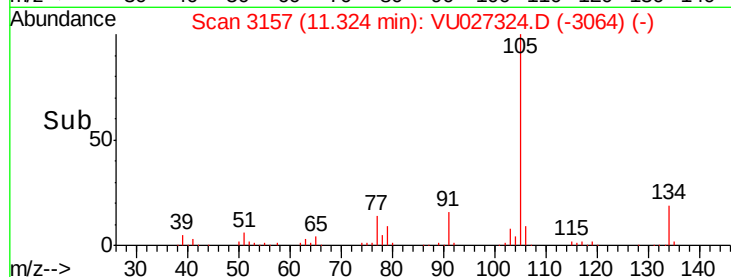
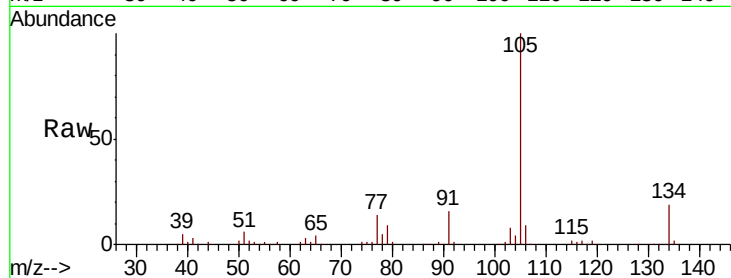
#85
 sec-Butylbenzene
 Concen: 20.768 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU027324.D
 Acq: 01 Oct 2018 17:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1001WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.6	28.6

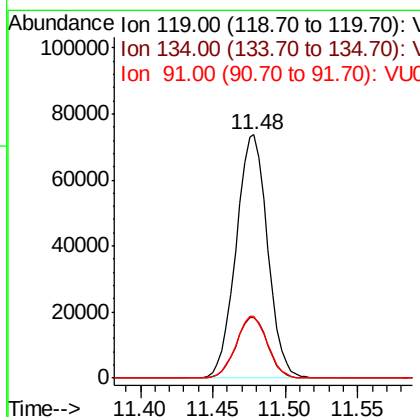
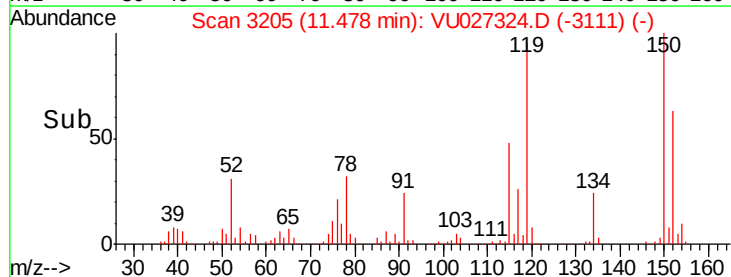
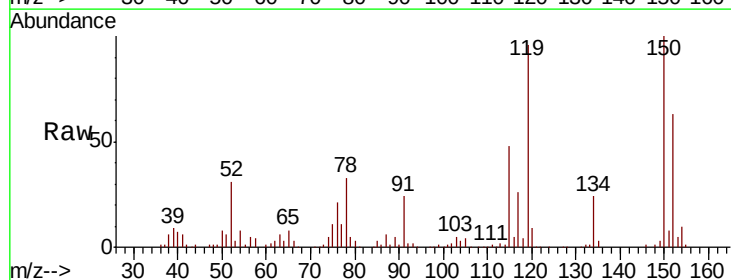
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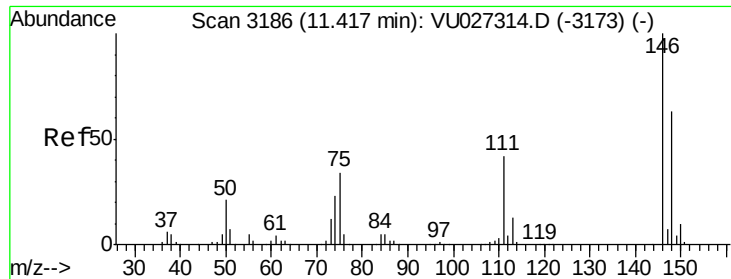
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#86
 p-Isopropyltoluene
 Concen: 20.462 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027324.D
 Acq: 01 Oct 2018 17:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.7	38.1
91	25.5	12.2	36.4





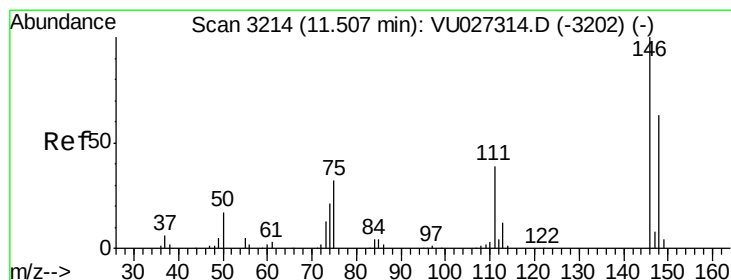
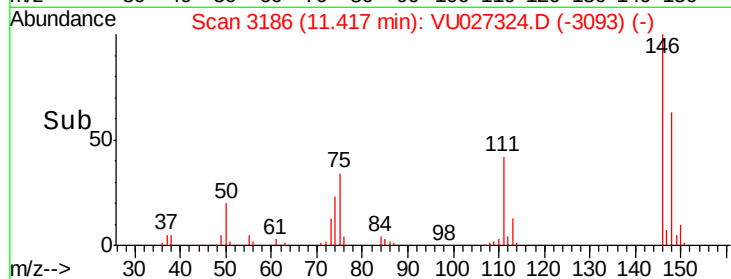
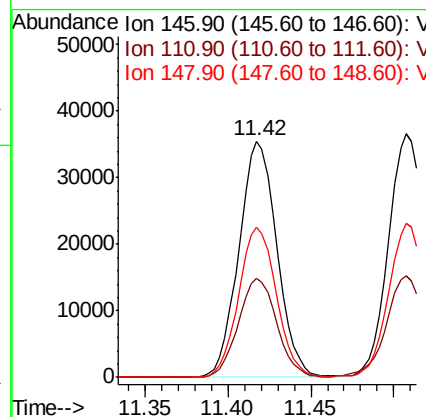
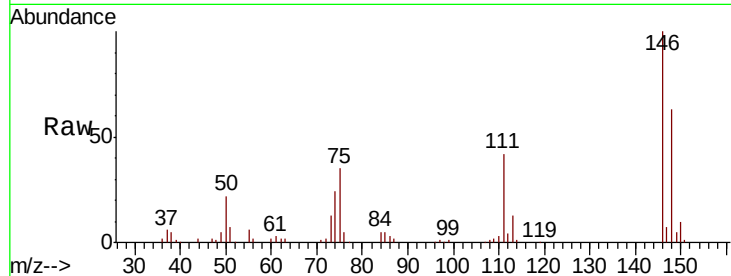
#87
 1,3-Dichlorobenzene
 Concen: 20.101 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027324.D
 Acq: 01 Oct 2018 17:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1001WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.8	62.5
148	63.0	31.6	94.8

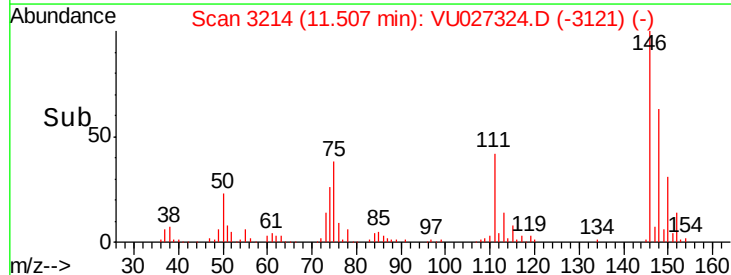
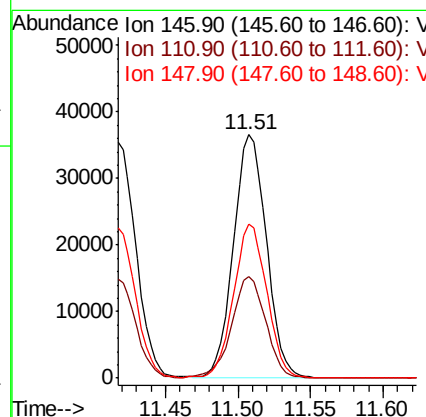
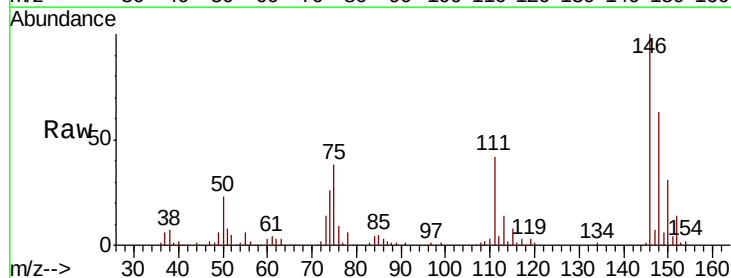
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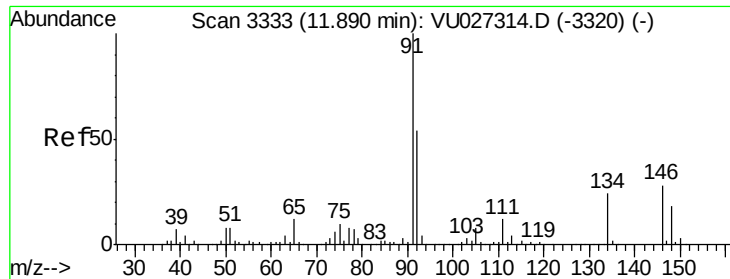
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#88
 1,4-Dichlorobenzene
 Concen: 20.100 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027324.D
 Acq: 01 Oct 2018 17:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.4	61.2
148	63.7	31.9	95.5





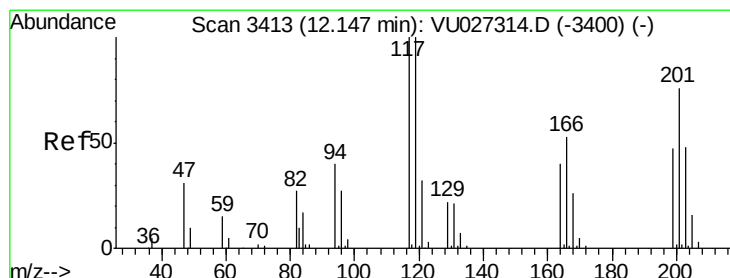
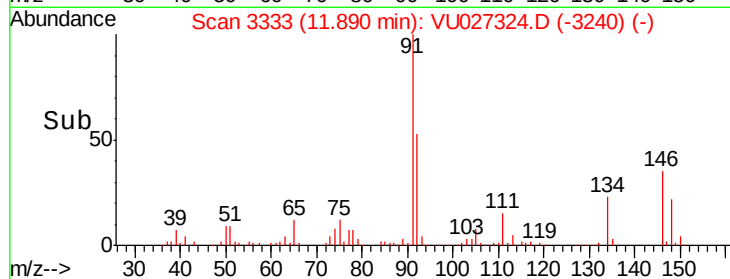
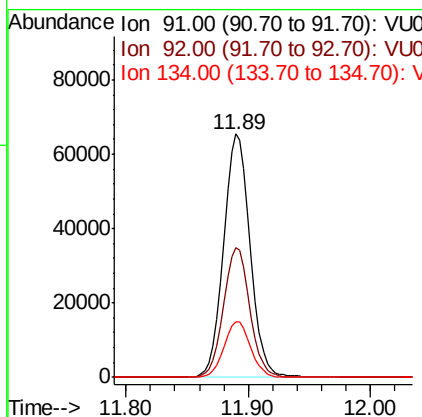
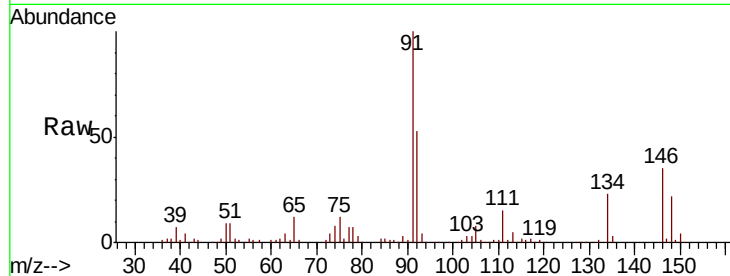
#89
n-Butylbenzene
Concen: 18.617 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Instrument :
MSVOA_U
ClientSampleId :
VU1001WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.0	81.0
134	22.9	11.7	35.1

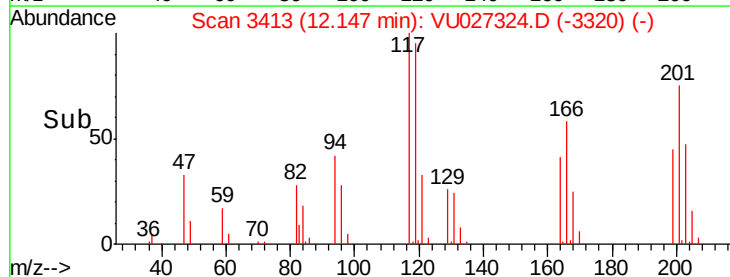
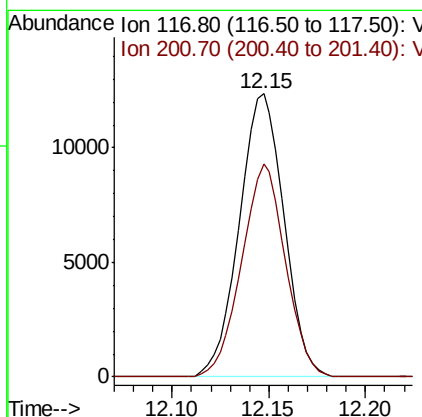
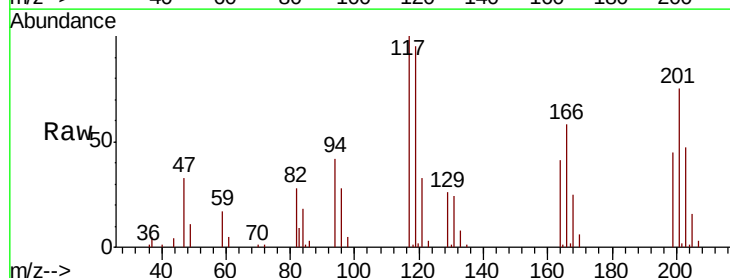
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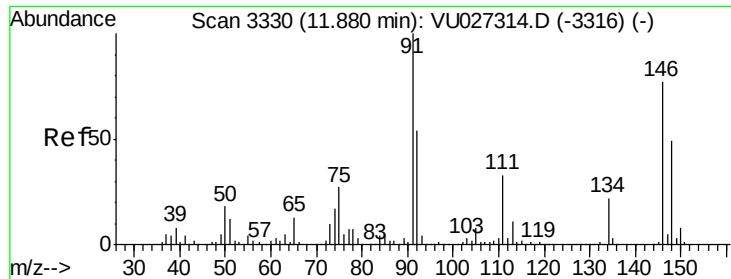
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#90
Hexachloroethane
Concen: 19.418 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.7	37.9	113.6





#91

1,2-Dichlorobenzene

Concen: 20.439 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Instrument :

MSVOA_U

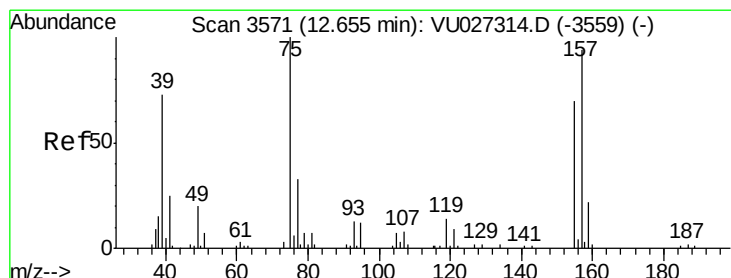
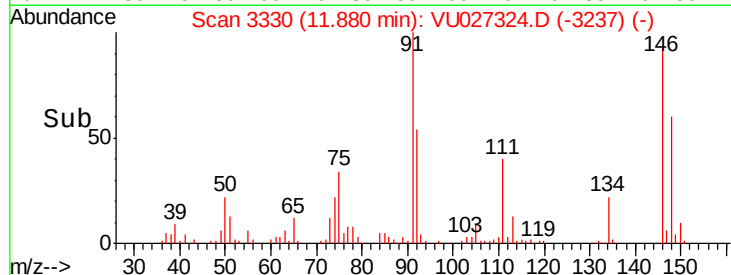
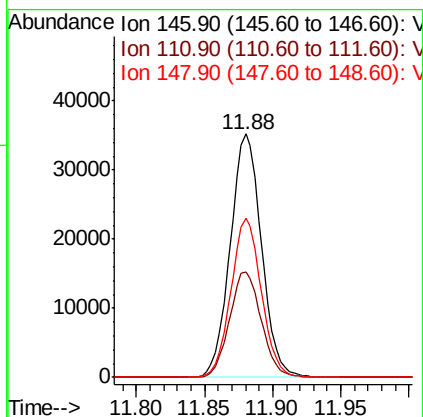
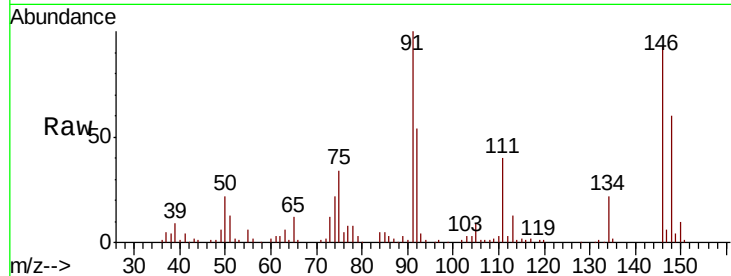
ClientSampleId :

VU1001WBSD01

Tot Ion:	146	Resp:	55993
Ion Ratio	Lower	Upper	
146	100		
111	43.9	21.8	65.4
148	63.6	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.481 ug/l

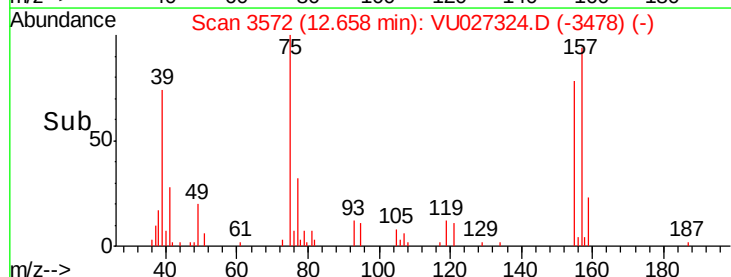
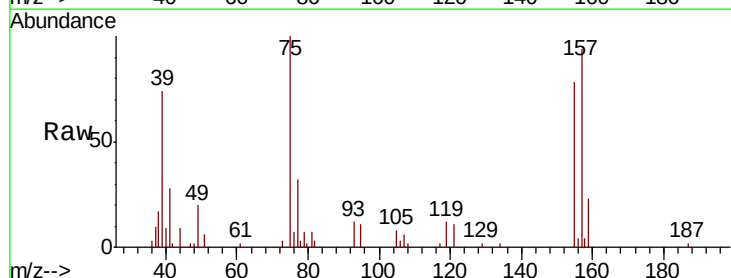
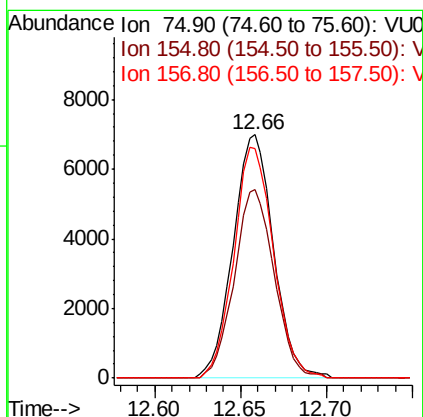
RT: 12.66 min Scan# 3572

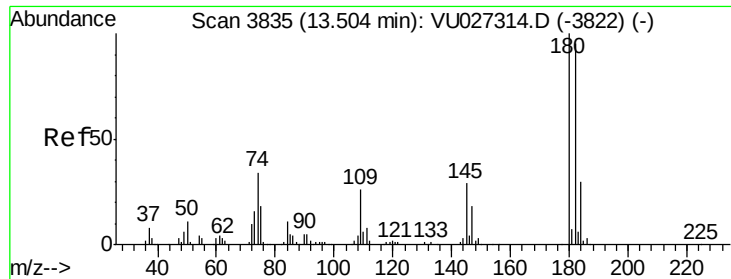
Delta R.T. 0.00 min

Lab File: VU027324.D

Acq: 01 Oct 2018 17:35

Tgt Ion:	75	Resp:	11399
Ion Ratio	Lower	Upper	
75	100		
155	76.4	35.9	107.8
157	92.7	46.9	140.6





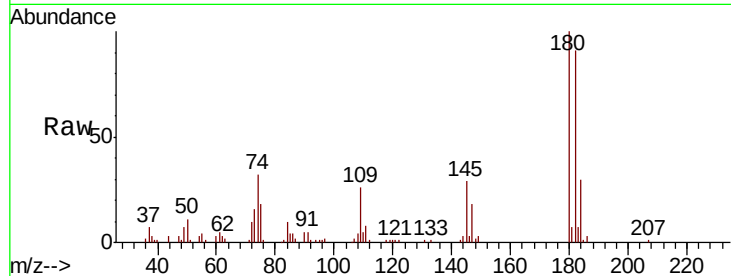
#93
1,2,4-Trichlorobenzene
Concen: 21.238 ug/l
RT: 13.50 min Scan# 3835
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Instrument :
MSVOA_U
ClientSampleId :
VU1001WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.4	142.3
145	30.2	14.6	44.0

Manual Integrations
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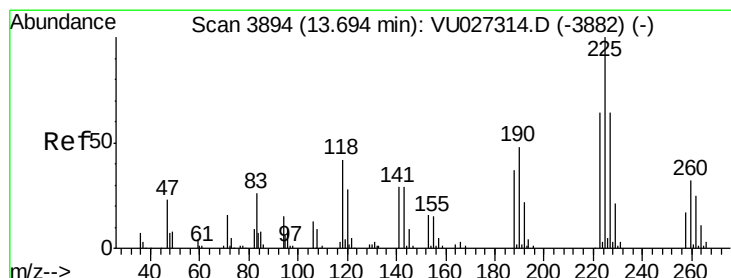
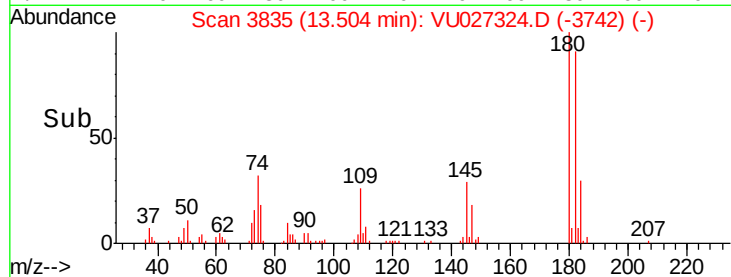
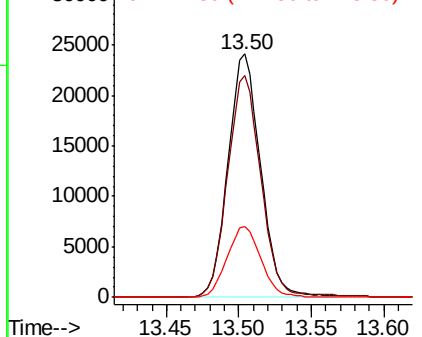


Abundance

Ion 179.80 (179.50 to 180.50): V

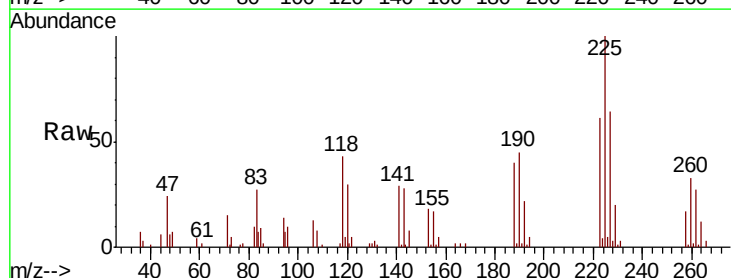
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 21.432 ug/l
RT: 13.69 min Scan# 3894
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	31.8	95.3
227	64.4	31.9	95.7

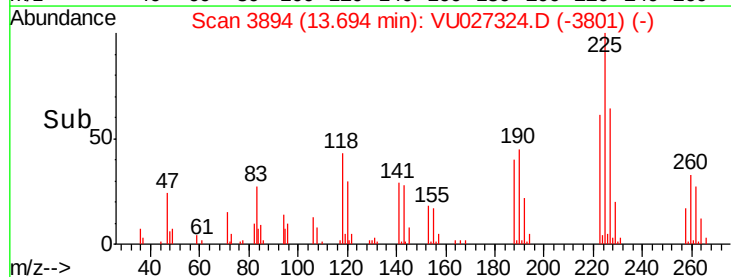
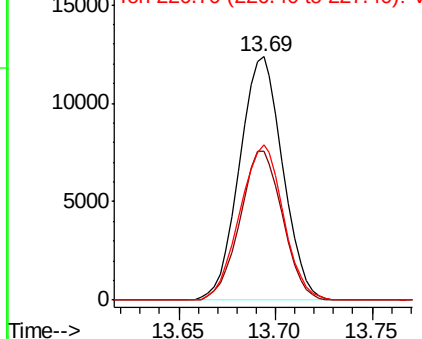


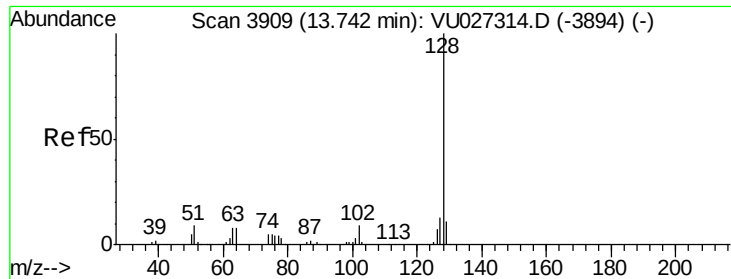
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





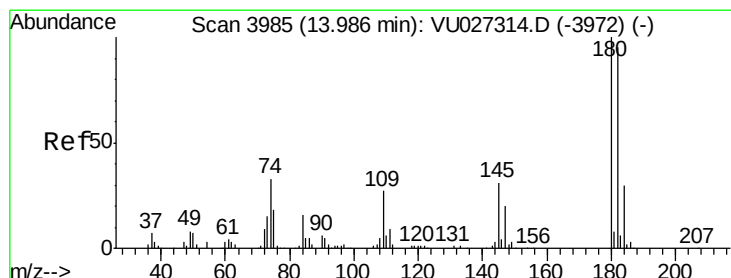
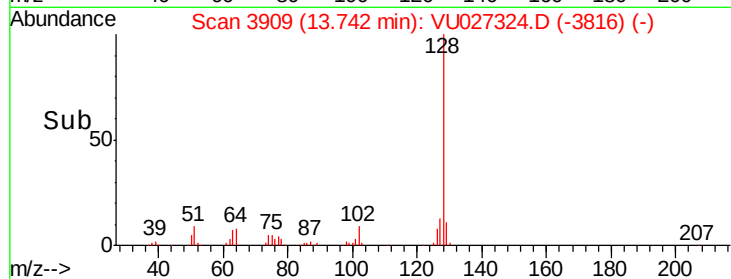
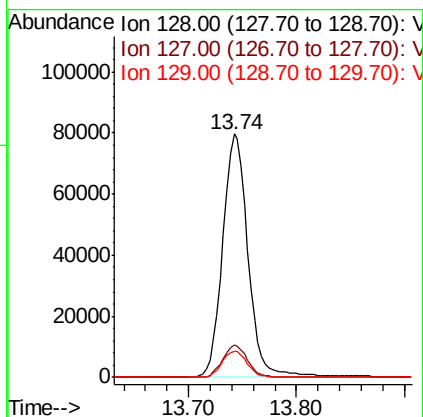
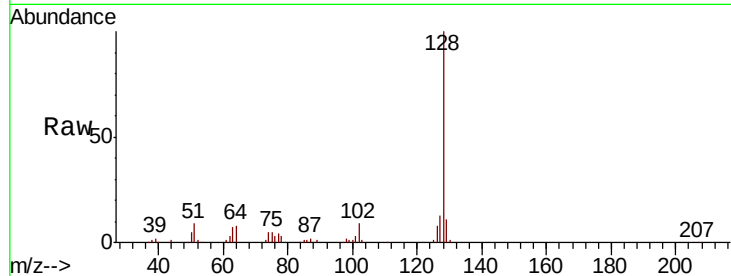
#95
Naphthalene
Concen: 20.625 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Instrument :
MSVOA_U
ClientSampleId :
VU1001WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.8	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.875 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU027324.D
Acq: 01 Oct 2018 17:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.4	142.2
145	30.4	15.9	47.7

