

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100118\
 Data File : VU027316.D
 Acq On : 01 Oct 2018 12:02
 Operator : MD/SY
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 11:41:44 AM

Quant Time: Oct 01 23:43:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 01 23:17:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	119903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	203073	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	194604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	104095	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	288378	151.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	303.14%	
35) Dibromofluoromethane	4.88	113	206750	154.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.82%	
50) Toluene-d8	7.57	98	828294	159.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	318.08%	
62) 4-Bromofluorobenzene	10.31	95	318782	167.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	334.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	288551	166.922	ug/l	99
3) Chloromethane	1.33	50	360986	154.244	ug/l	99
4) Vinyl Chloride	1.40	62	354498	161.136	ug/l	99
5) Bromomethane	1.60	94	167989	176.469	ug/l	99
6) Chloroethane	1.68	64	190961	144.450	ug/l	99
7) Trichlorofluoromethane	1.87	101	362047	162.193	ug/l	97
8) Diethyl Ether	2.10	74	159471	155.087	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	205635	158.627	ug/l	99
10) Methyl Iodide	2.40	142	196923	208.676	ug/l	100
11) Tert butyl alcohol	2.84	59	332550	788.736	ug/l	99
12) 1,1-Dichloroethene	2.28	96	200567	158.359	ug/l	98
13) Acrolein	2.19	56	272279	769.615	ug/l	100
14) Allyl chloride	2.59	41	504417	167.715	ug/l	91
15) Acrylonitrile	2.94	53	858472	782.297	ug/l	100
16) Acetone	2.32	43	790930	668.690	ug/l	100
17) Carbon Disulfide	2.47	76	703547	154.020	ug/l	100
18) Methyl Acetate	2.61	43	398783	147.791	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	794911	156.639	ug/l	99
20) Methylene Chloride	2.70	84	247126	149.993	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	220798	155.279	ug/l	98
22) Diisopropyl ether	3.57	45	958694	156.830	ug/l	98
23) Vinyl Acetate	3.52	43	4305153	806.435	ug/l	100
24) 1,1-Dichloroethane	3.44	63	489240	155.682	ug/l	100
25) 2-Butanone	4.26	43	1245123	771.959	ug/l	99
26) 2,2-Dichloropropane	4.22	77	386008	149.487	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	253501	155.894	ug/l	100
28) Bromochloromethane	4.55	49	225162	148.509	ug/l	100
29) Tetrahydrofuran	4.64	42	801058	788.058	ug/l	99
30) Chloroform	4.67	83	430591	154.220	ug/l	99
31) Cyclohexane	4.99	56	481908	131.133	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	365962	155.630	ug/l	100
36) 1,1-Dichloropropene	5.13	75	348851	158.215	ug/l	99
37) Ethyl Acetate	4.38	43	450503	165.695	ug/l	100
38) Carbon Tetrachloride	5.13	117	316671	158.993	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	428477	166.241	ug/l	98
40) Benzene	5.39	78	1010636	157.355	ug/l	100
41) Methacrylonitrile	4.54	41	259802	161.302	ug/l	99
42) 1,2-Dichloroethane	5.40	62	371896	155.994	ug/l	100
43) Isopropyl Acetate	5.55	43	728404	164.582	ug/l	100
44) Trichloroethene	6.19	130	225444	157.418	ug/l	98
45) 1,2-Dichloropropane	6.43	63	294857	159.167	ug/l	96
46) Dibromomethane	6.56	93	169484	161.989	ug/l	99
47) Bromodichloromethane	6.76	83	351217	161.776	ug/l	99
48) Methyl methacrylate	6.62	41	376410	171.026	ug/l	99
49) 1,4-Dioxane	6.62	88	127113	3356.745	ug/l	99
51) 4-Methyl-2-Pentanone	7.47	43	2408527	837.479	ug/l	99
52) Toluene	7.64	92	612363	161.084	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	437176	171.748	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	454624	166.138	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	241923	160.507	ug/l	99
56) Ethyl methacrylate	8.02	69	453478	181.287	ug/l	99
57) 1,3-Dichloropropane	8.24	76	467950	159.930	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	1227222	878.228	ug/l	100
59) 2-Hexanone	8.37	43	1888417	846.473	ug/l	99
60) Dibromochloromethane	8.48	129	255598	169.081	ug/l	100
61) 1,2-Dibromoethane	8.59	107	259147	161.710	ug/l	99
64) Tetrachloroethene	8.23	164	189512	156.435	ug/l	99
65) Chlorobenzene	9.12	112	649007	158.439	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	229686	162.426	ug/l	99
67) Ethyl Benzene	9.25	91	1203303	165.803	ug/l	100
68) m/p-Xylenes	9.38	106	890499	335.447	ug/l	100
69) o-Xylene	9.78	106	432809	171.566	ug/l	100
70) Styrene	9.79	104	741414	178.971	ug/l	100
71) Bromoform	9.96	173	197678	173.748	ug/l	# 100
73) Isopropylbenzene	10.17	105	1180483	156.143	ug/l	99
74) N-amyl acetate	10.02	43	714393	165.059	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	441227	148.631	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	402005m	138.528	ug/l	
77) Bromobenzene	10.45	156	270793	154.119	ug/l	98
78) n-propylbenzene	10.59	91	1461707	160.899	ug/l	100
79) 2-Chlorotoluene	10.66	91	835760	152.367	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	995925	161.802	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	178604m	158.614	ug/l	
82) 4-Chlorotoluene	10.77	91	994618	159.787	ug/l	99
83) tert-Butylbenzene	11.10	119	968933	162.834	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	1022095	162.560	ug/l	100
85) sec-Butylbenzene	11.33	105	1238867	165.239	ug/l	99
86) p-Isopropyltoluene	11.48	119	1066665	166.164	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	510504	153.441	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	516855	152.025	ug/l	99
89) n-Butylbenzene	11.89	91	1056655	176.467	ug/l	100
90) Hexachloroethane	12.15	117	197091	162.885	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	506294	156.336	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	104357	158.617	ug/l	97

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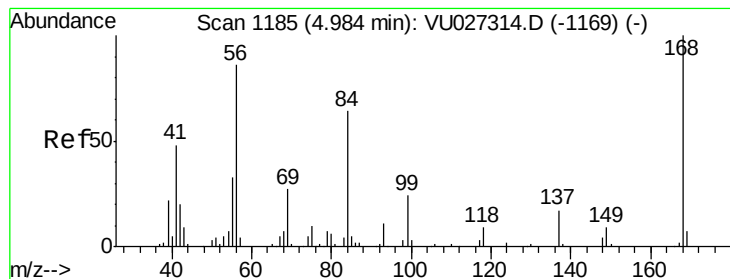
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	357582	170.643	ug/l	98
94) Hexachlorobutadiene	13.69	225	170582	161.119	ug/l	99
95) Naphthalene	13.74	128	1213987	172.800	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	356215	163.166	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 119903

Ion Ratio Lower Upper

168 100

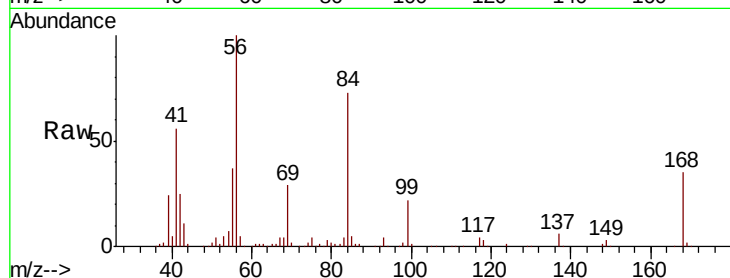
99 60.8 50.8 76.2

Manual Integrations

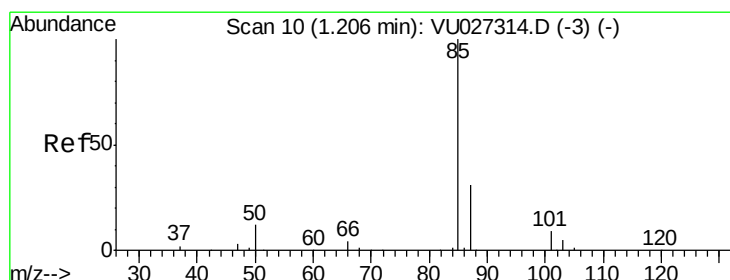
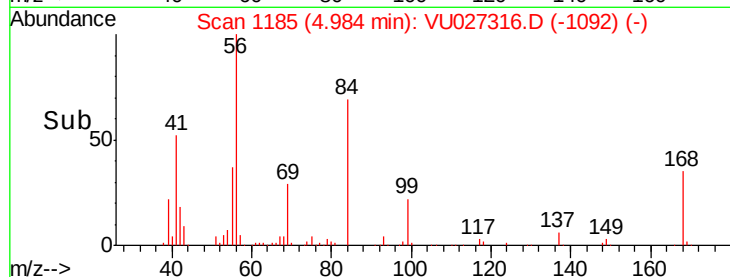
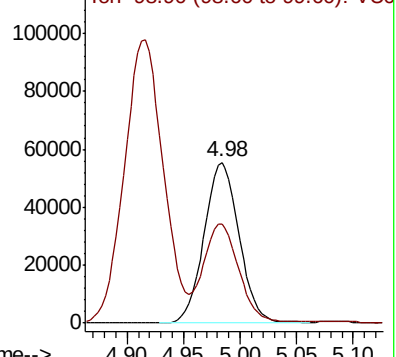
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Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)



#2

Dichlorodifluoromethane

Concen: 166.922 ug/l

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU027316.D

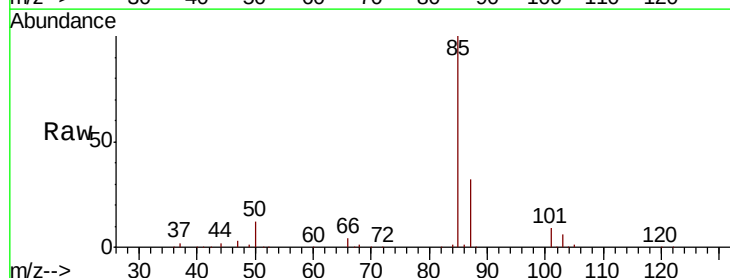
Acq: 01 Oct 2018 12:02

Tgt Ion: 85 Resp: 288551

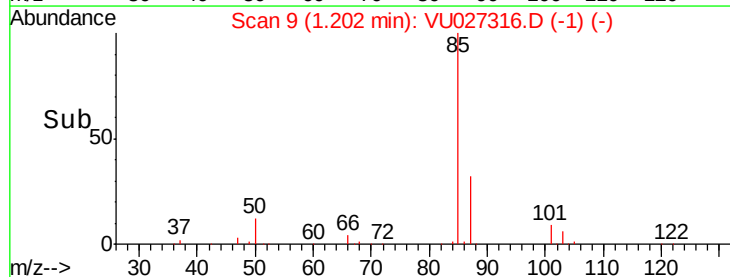
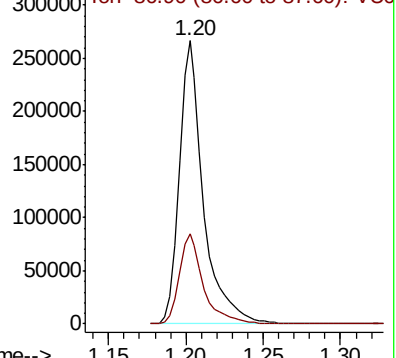
Ion Ratio Lower Upper

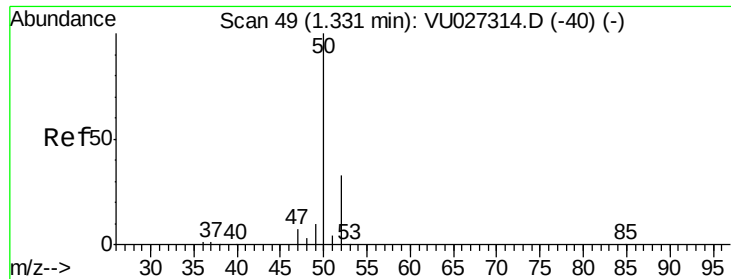
85 100

87 31.8 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027316.D (-1) (-)





#3

Chloromethane

Concen: 154.244 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 360986

Ion Ratio Lower Upper

50 100

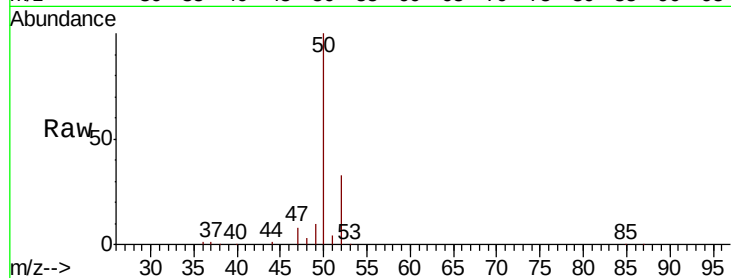
52 32.5 26.5 39.7

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Abundance Ion 49.90 (49.60 to 50.60): VU027316.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU027316.D (-1) (-)

1.33

300000

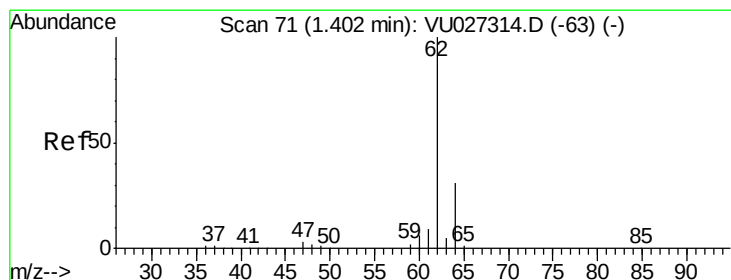
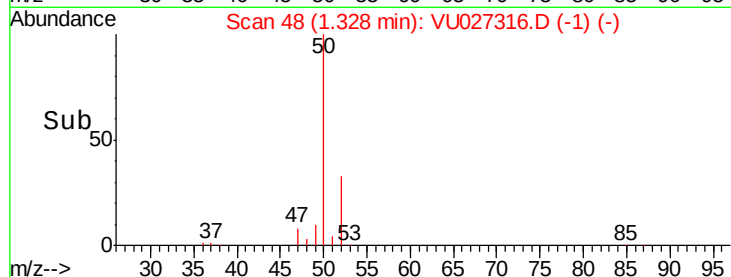
200000

100000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 161.136 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027316.D

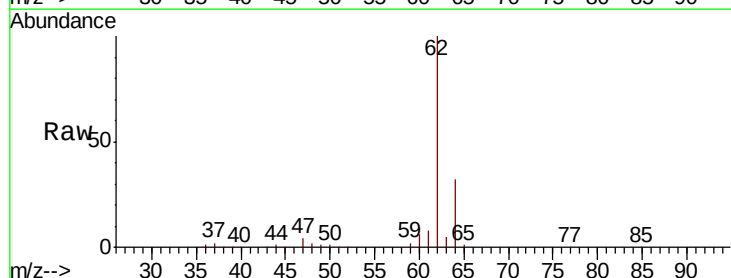
Acq: 01 Oct 2018 12:02

Tgt Ion: 62 Resp: 354498

Ion Ratio Lower Upper

62 100

64 31.8 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU027316.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VU027316.D (-1) (-)

1.40

300000

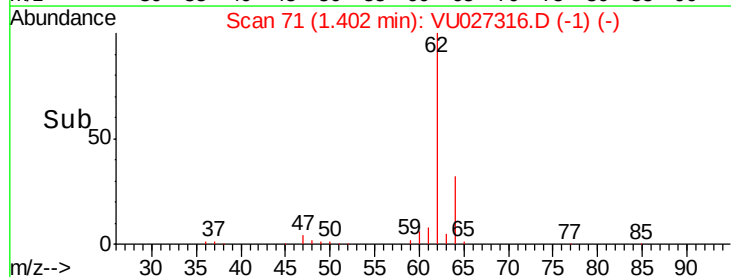
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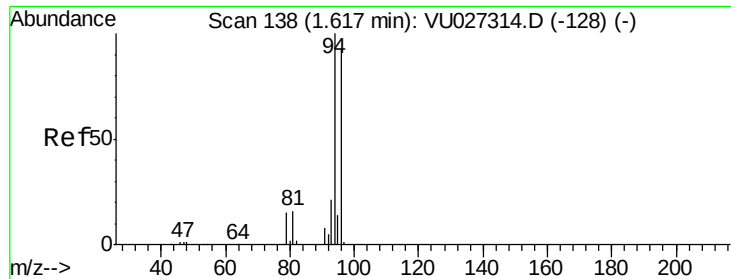
100000

0

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 176.469 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.01 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 167989

Ion Ratio Lower Upper

94 100

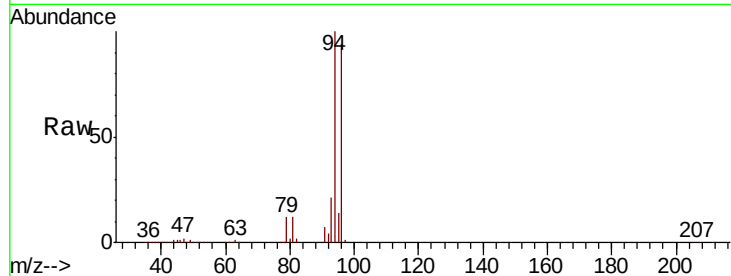
96 93.9 74.6 111.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

200000

150000

100000

50000

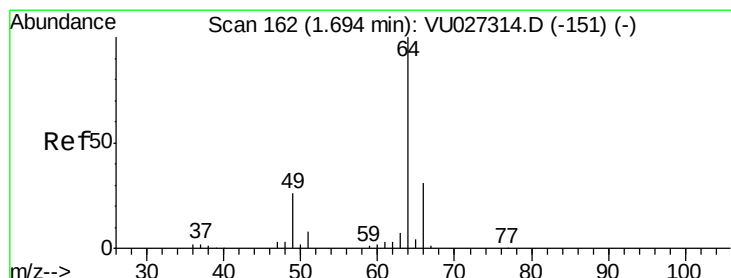
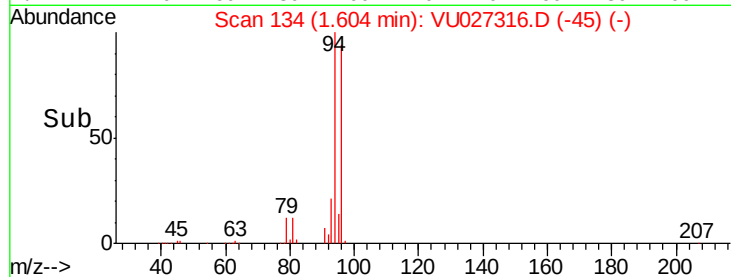
0

1.55

1.60

1.65

Time-->



#6

Chloroethane

Concen: 144.450 ug/l

RT: 1.68 min Scan# 156

Delta R.T. -0.02 min

Lab File: VU027316.D

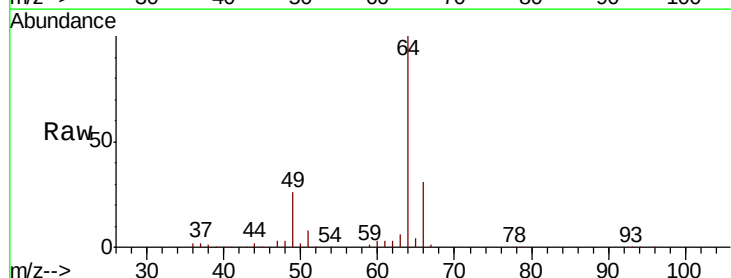
Acq: 01 Oct 2018 12:02

Tgt Ion: 64 Resp: 190961

Ion Ratio Lower Upper

64 100

66 31.5 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

150000

100000

50000

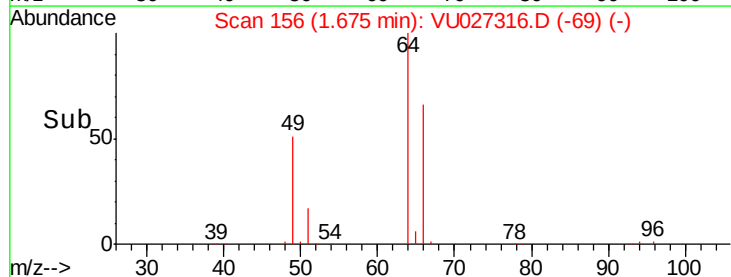
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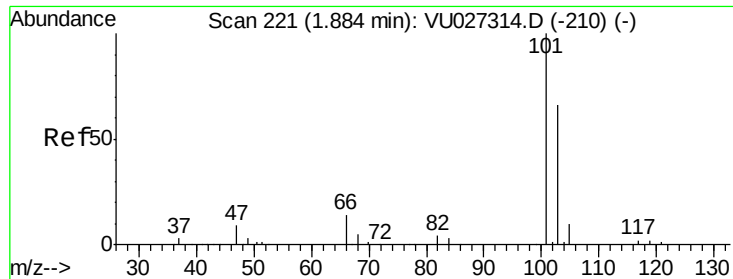
1.60

1.65

1.70

Time-->





#7

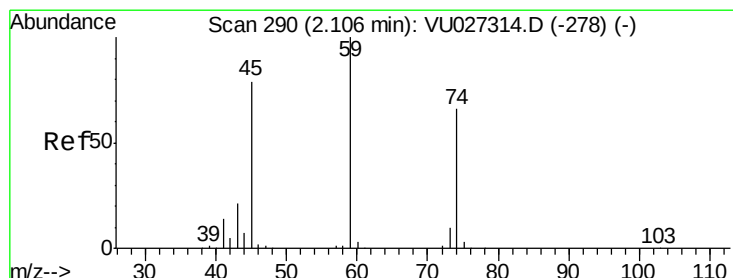
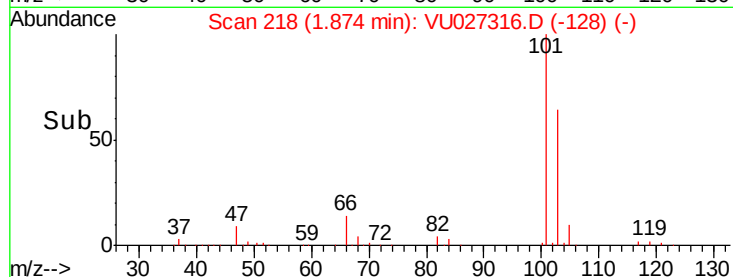
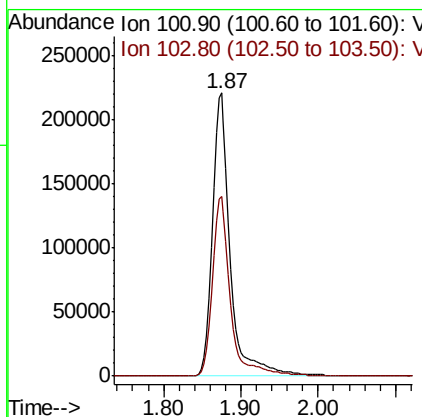
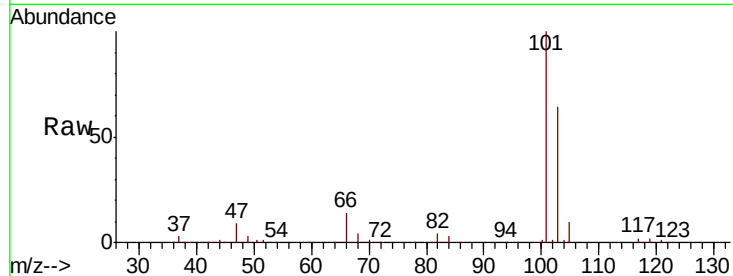
Trichlorofluoromethane
Concen: 162.193 ug/l
RT: 1.87 min Scan# 218
Delta R.T. -0.01 min
Lab File: VU027316.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		362047		
103	63.5	52.6	78.8		

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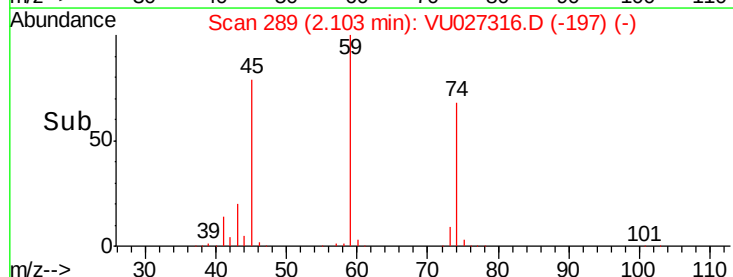
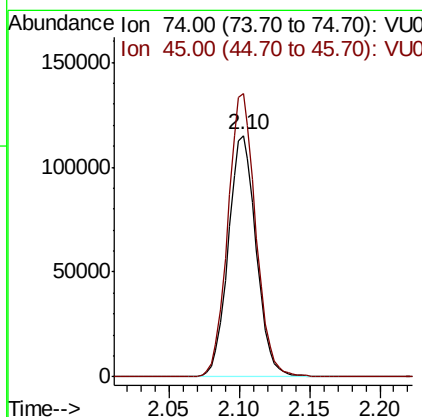
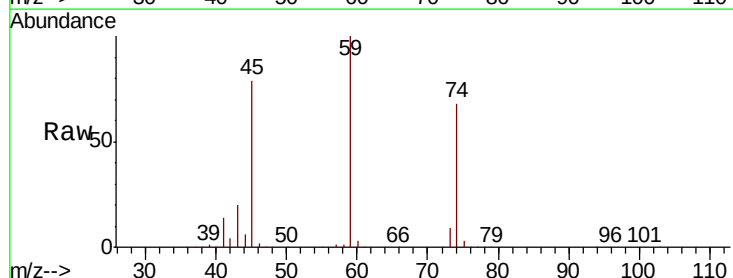
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10/3/2018 11:41:44 AM

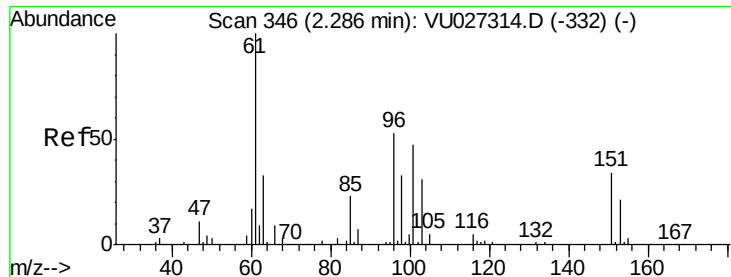


#8

Diethyl Ether
Concen: 155.087 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		159471		
45	117.0	60.4	181.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 158.627 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU027316.D

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VSTDIC150

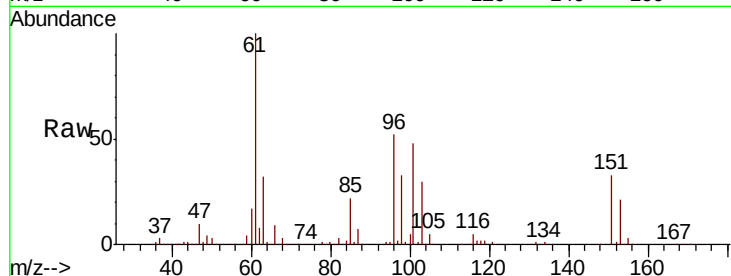
Tot Ion	Ratio	Lower	Upper
101	100		

85	45.8	37.5	56.3
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151	68.4	55.6	83.4
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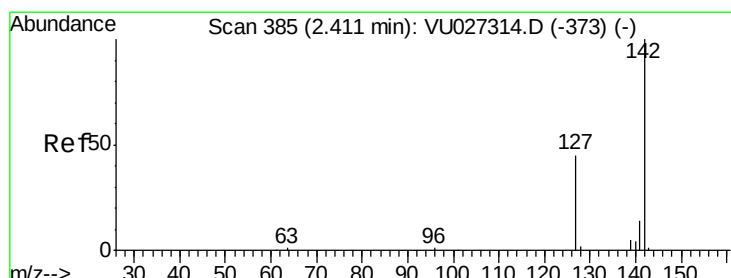
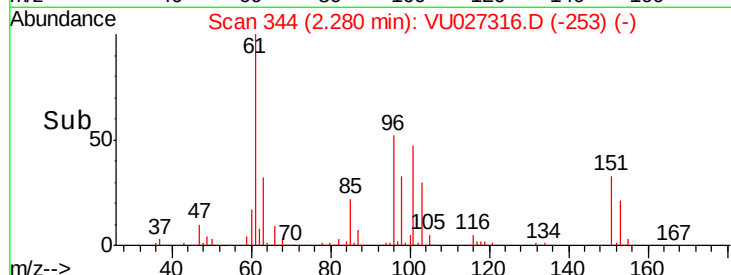
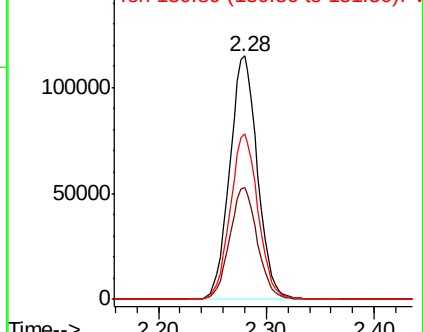


Abundance

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: 208.676 ug/l

RT: 2.40 min Scan# 383

Delta R.T. -0.01 min

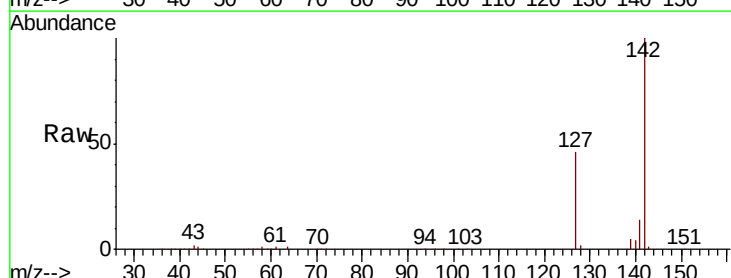
Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Tgt Ion	Ratio	Lower	Upper
142	100		

127	45.5	36.3	54.5
-----	------	------	------

141	14.3	11.6	17.4
-----	------	------	------

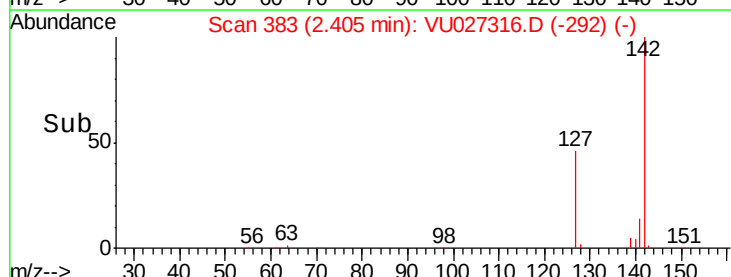
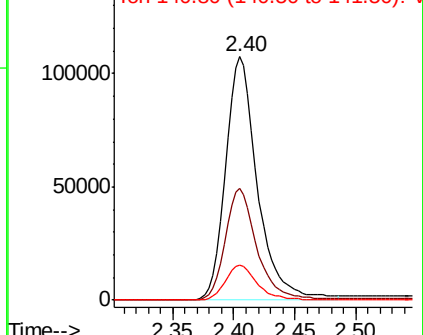


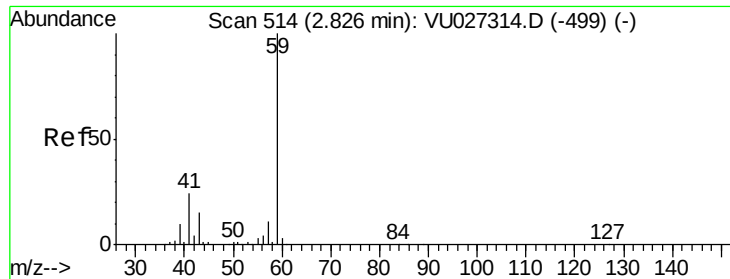
Abundance

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

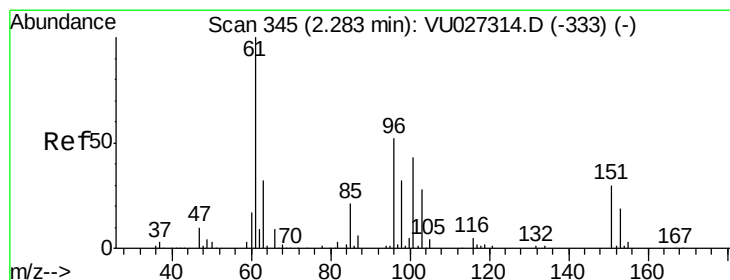
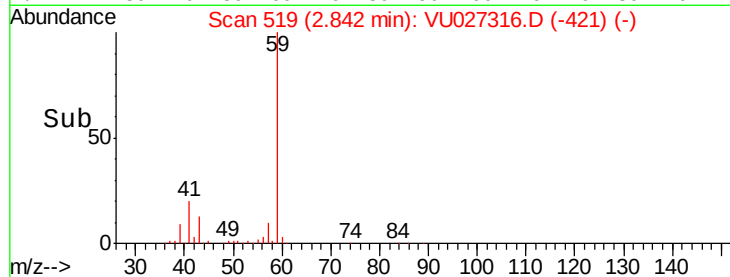
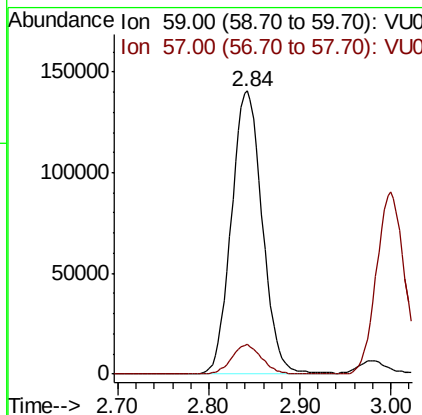
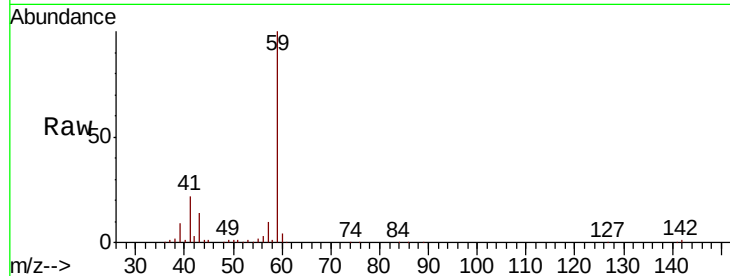
Tert butyl alcohol
 Concen: 788.736 ug/l
 RT: 2.84 min Scan# 519
 Delta R.T. 0.02 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.4	12.6

Manual Integrations
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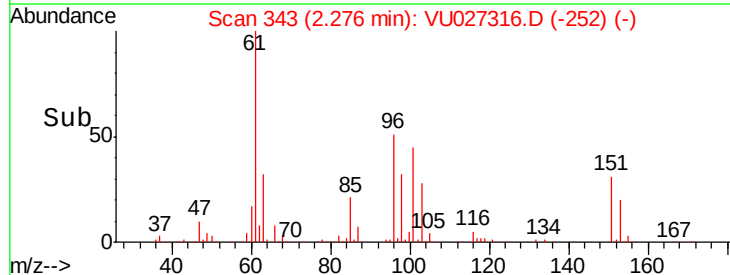
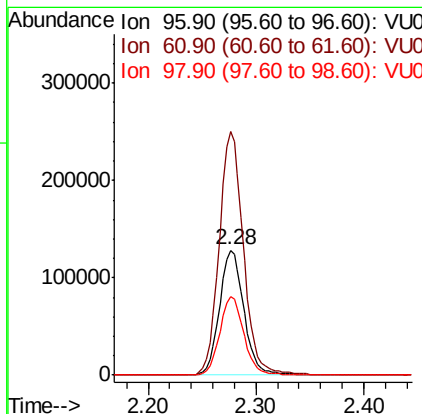
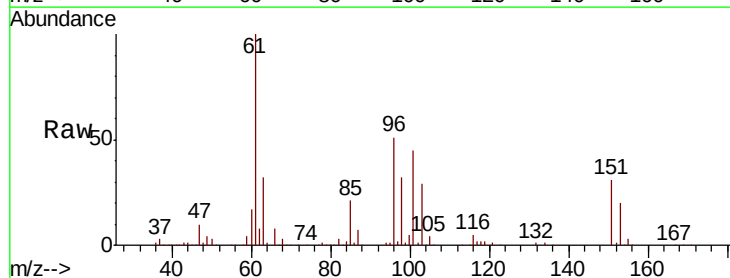
MMDadoda
 10/3/2018 11:41:44 AM

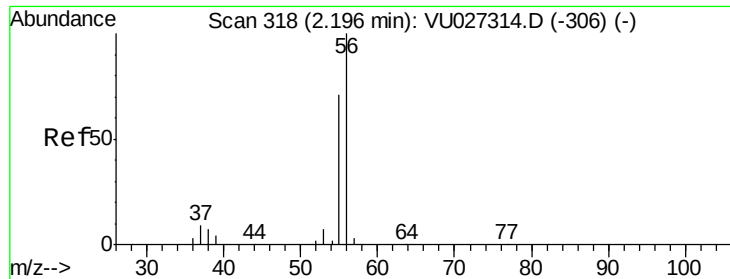


#12

1,1-Dichloroethene
 Concen: 158.359 ug/l
 RT: 2.28 min Scan# 343
 Delta R.T. -0.01 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	195.3	153.0	229.6
98	62.6	49.3	73.9





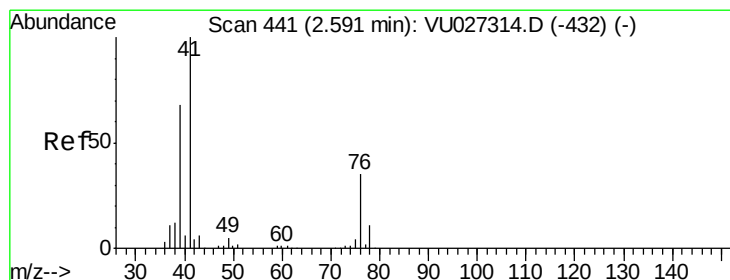
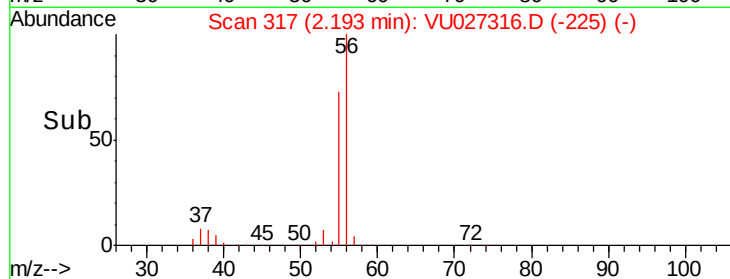
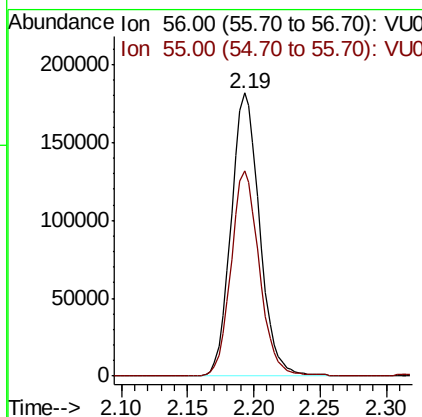
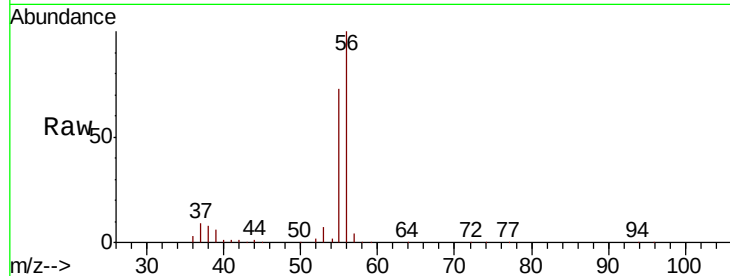
#13
Acrolein
Concen: 769.615 ug/l
RT: 2.19 min Scan# 317
Delta R.T. -0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.1	57.7	86.5

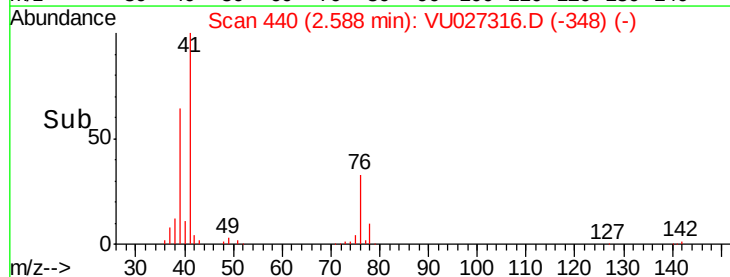
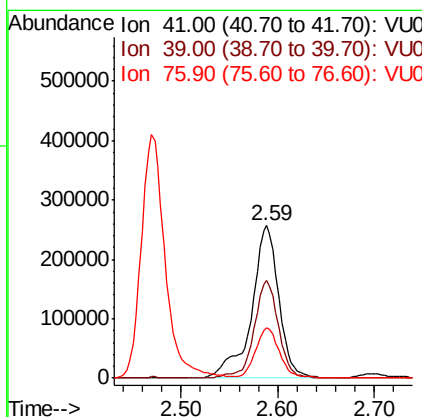
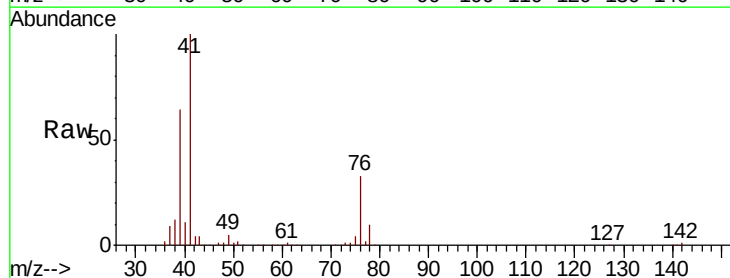
Manual Integrations
APPROVED

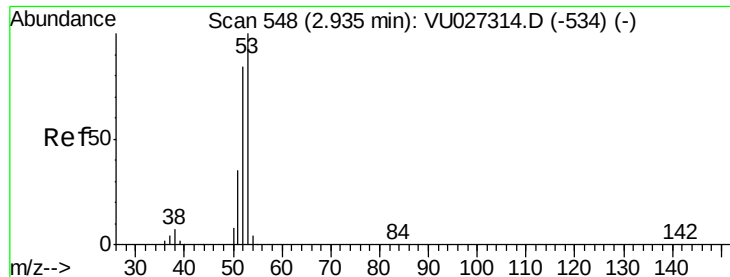
MMDadoda
10/3/2018 11:41:44 AM



#14
Allyl chloride
Concen: 167.715 ug/l
RT: 2.59 min Scan# 440
Delta R.T. -0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.0	51.8	77.8
76	28.2	25.9	38.9





#15

Acrylonitrile

Concen: 782.297 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

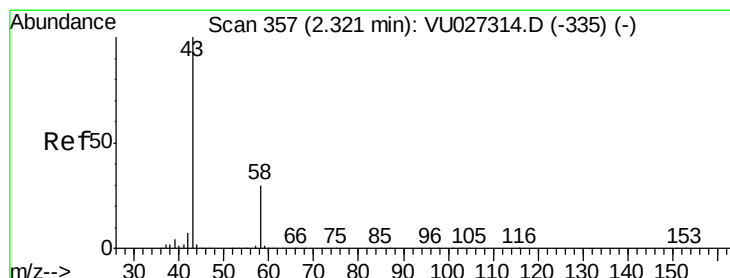
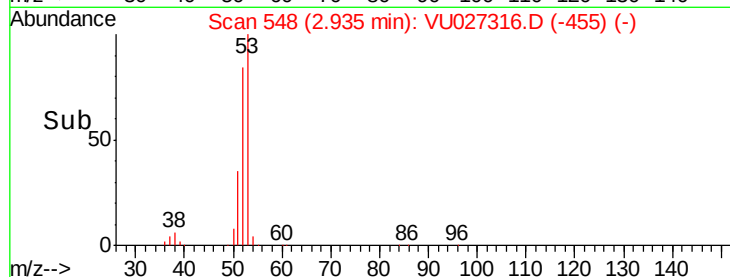
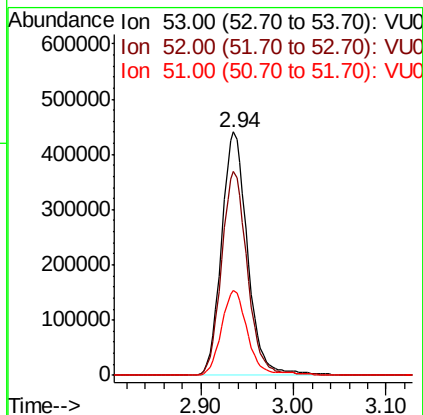
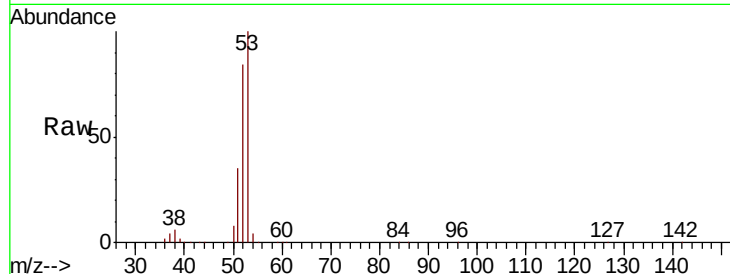
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	858472
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.5	99.7
51	35.2	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 668.690 ug/l

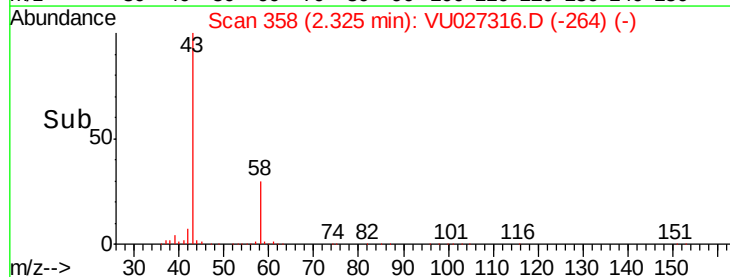
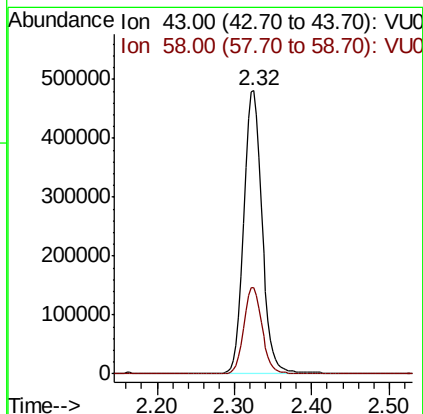
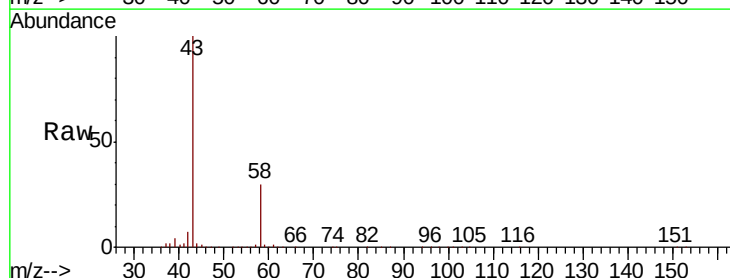
RT: 2.32 min Scan# 358

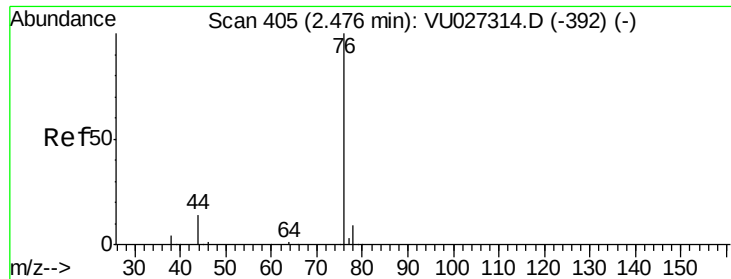
Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Tgt Ion:	43	Resp:	790930
Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.2	36.4





#17

Carbon Disulfide

Concen: 154.020 ug/l

RT: 2.47 min Scan# 403

Delta R.T. -0.01 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 703547

Ion Ratio Lower Upper

76 100

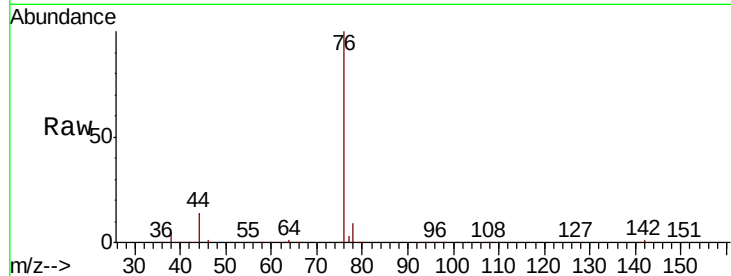
78 9.0 7.3 10.9

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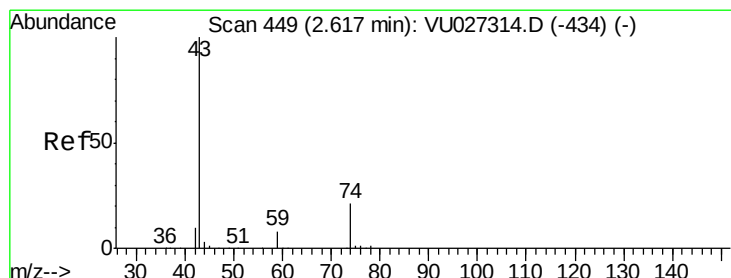
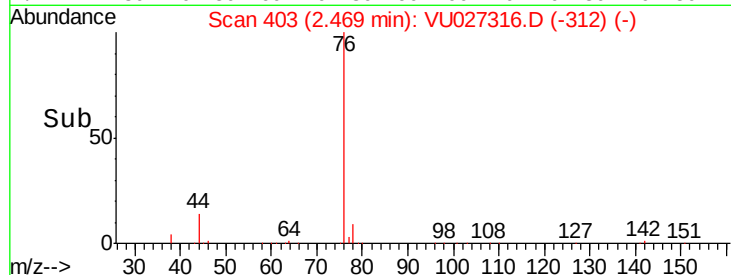
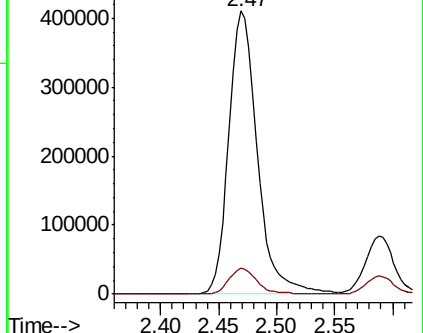
MMDadoda

10/3/2018 11:41:44 AM



Abundance Ion 75.90 (75.60 to 76.60): VU027316.D (-312) (-)

Ion 77.90 (77.60 to 78.60): VU027316.D (-312) (-)



#18

Methyl Acetate

Concen: 147.791 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU027316.D

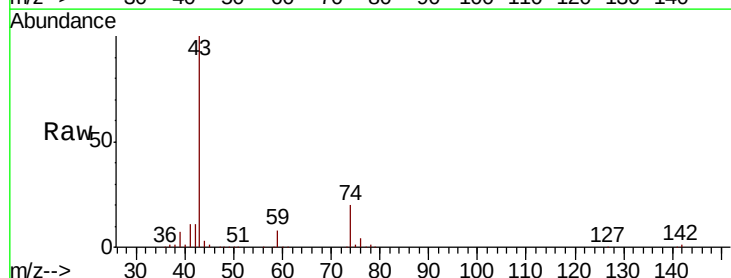
Acq: 01 Oct 2018 12:02

Tgt Ion: 43 Resp: 398783

Ion Ratio Lower Upper

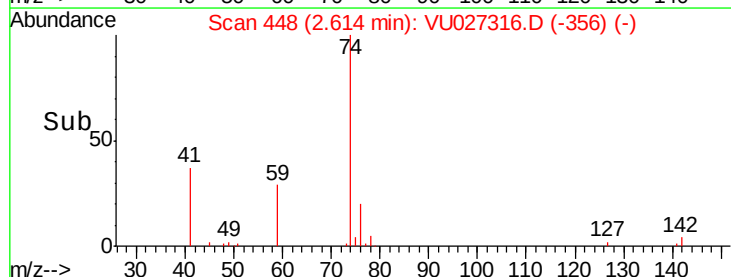
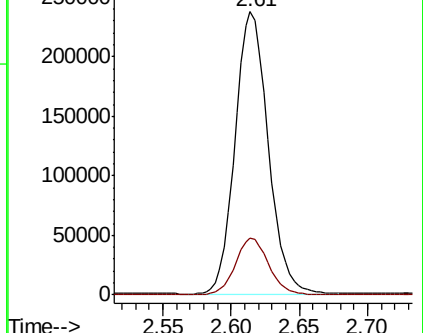
43 100

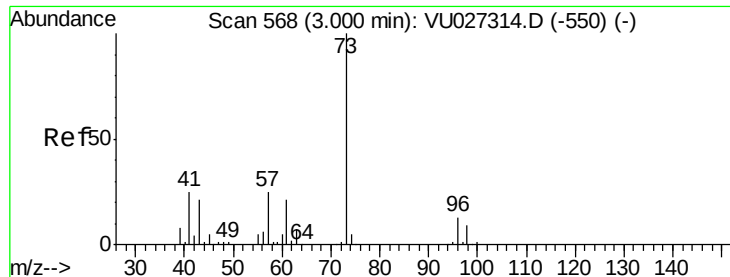
74 20.5 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VU027316.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU027316.D (-356) (-)





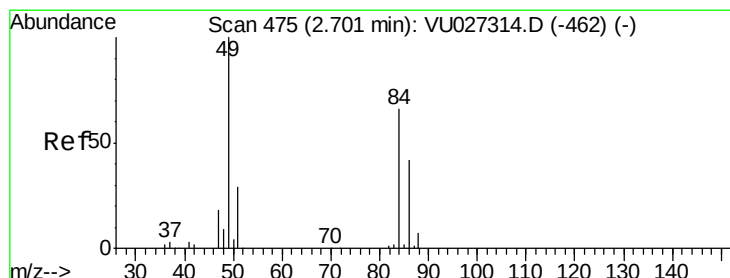
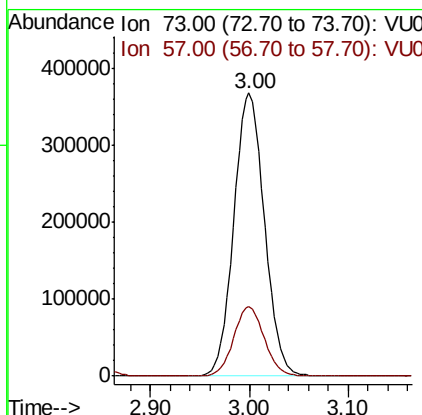
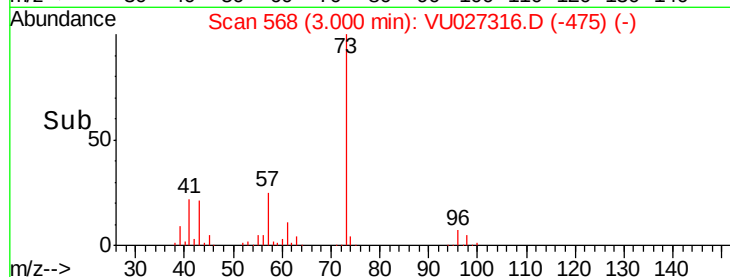
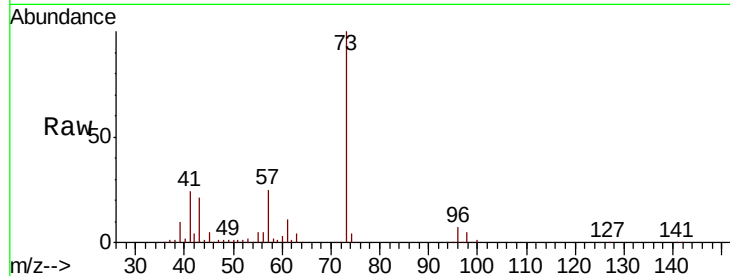
#19
Methyl tert-butyl Ether
Concen: 156.639 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.5	20.0	30.0

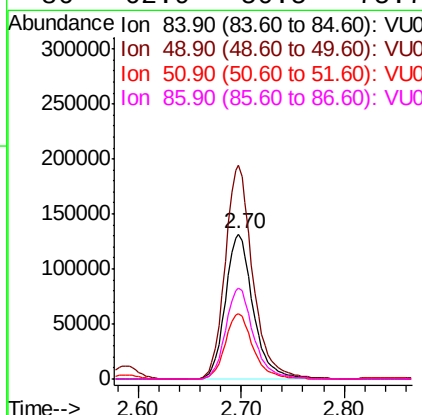
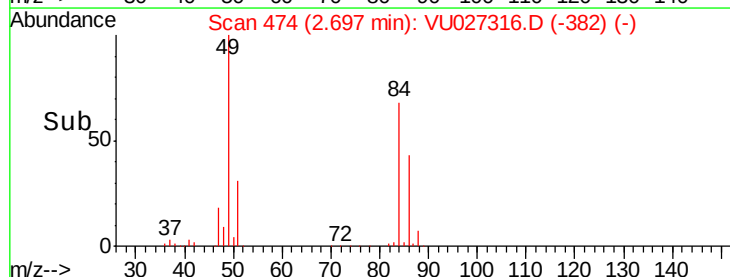
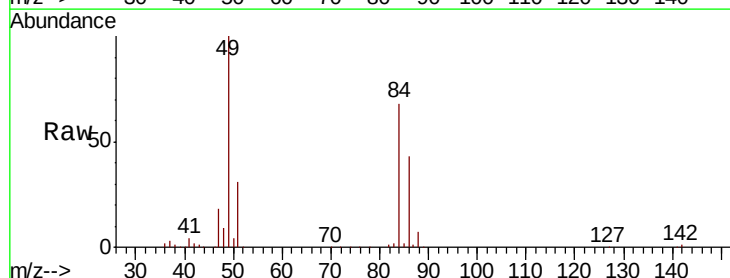
Manual Integrations
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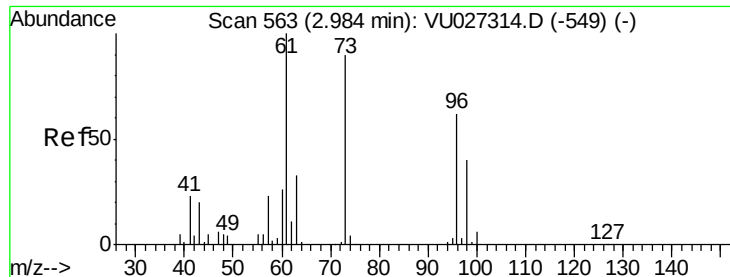
MMDadoda
10/3/2018 11:41:44 AM



#20
Methylene Chloride
Concen: 149.993 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.5	120.5	180.7
51	45.4	35.1	52.7
86	62.9	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 155.279 ug/l

RT: 2.98 min Scan# 561

Delta R.T. -0.01 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 220798

Ion Ratio Lower Upper

96 100

61 165.2 129.4 194.2

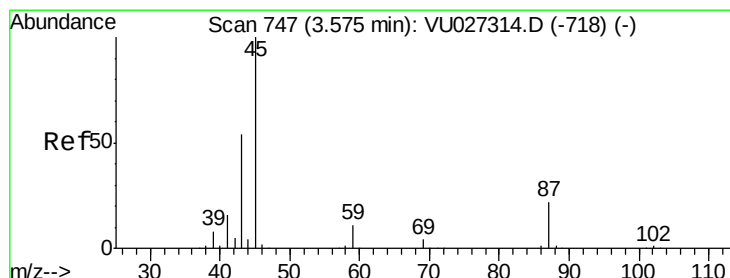
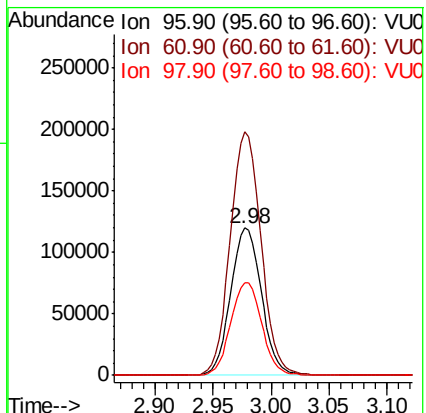
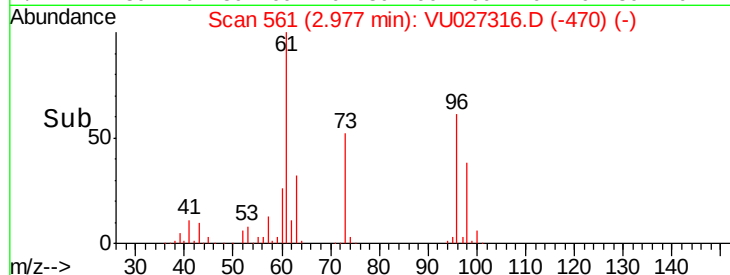
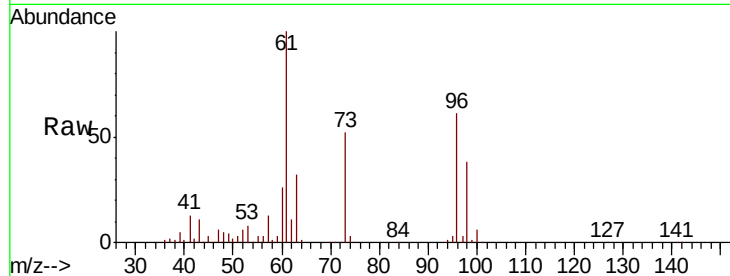
98 63.2 51.2 76.8

Manual Integrations

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10/3/2018 11:41:44 AM



#22

Diisopropyl ether

Concen: 156.830 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Tgt Ion: 45 Resp: 958694

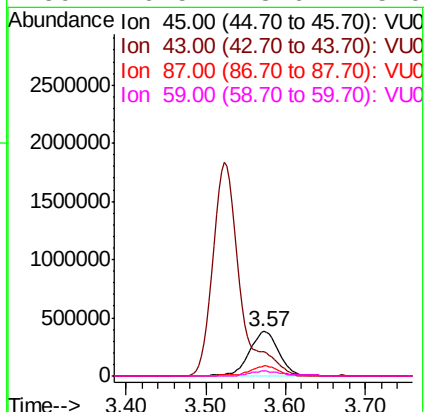
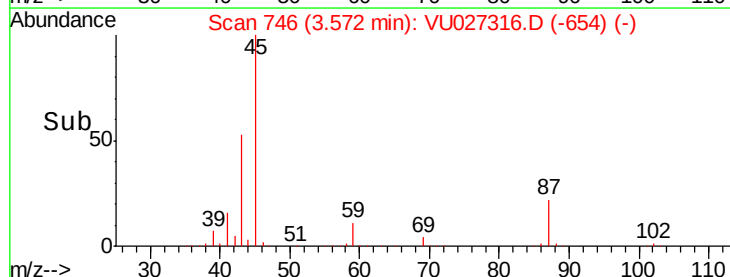
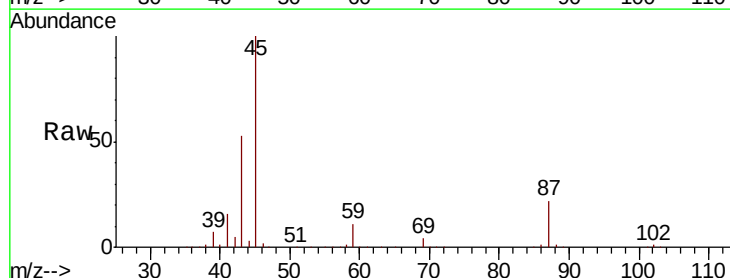
Ion Ratio Lower Upper

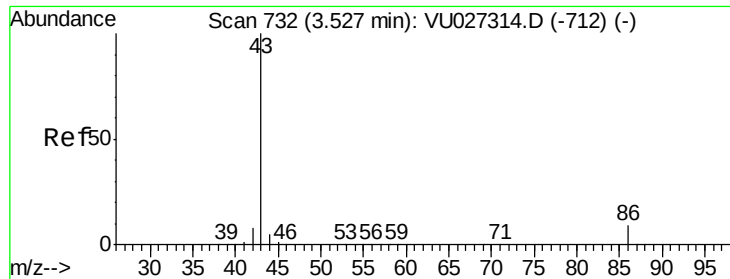
45 100

43 52.6 43.4 65.2

87 22.0 17.5 26.3

59 10.5 8.6 13.0





#23

Vinyl Acetate

Concen: 806.435 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Tot Ion: 43 Resp: 4305153

Ion Ratio Lower Upper

43 100

86 8.7 7.0 10.4

Instrument :

MSVOA_U

ClientSampleId :

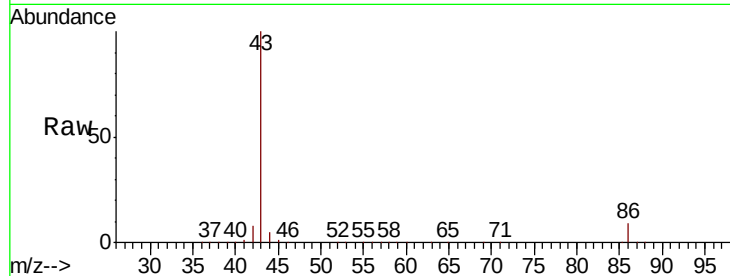
VSTDIC150

Manual Integrations

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10/3/2018 11:41:44 AM



Abundance Ion 43.00 (42.70 to 43.70): VU027316.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027316.D (-639) (-)

3.52

2000000

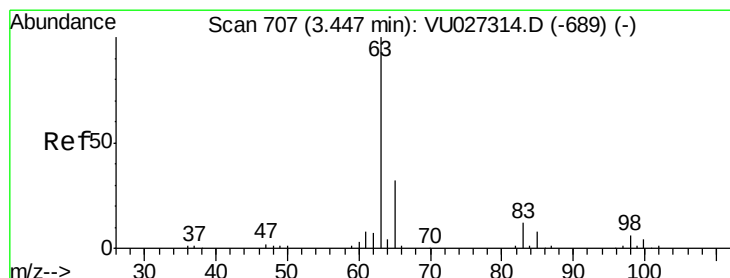
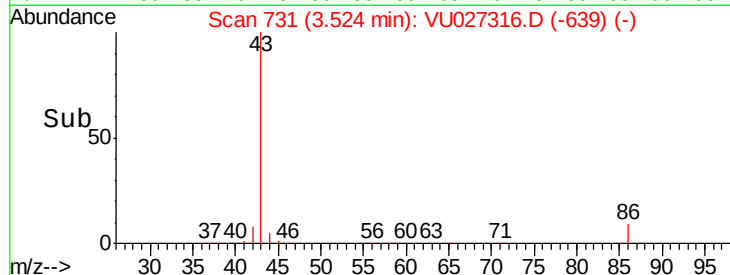
1500000

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 155.682 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

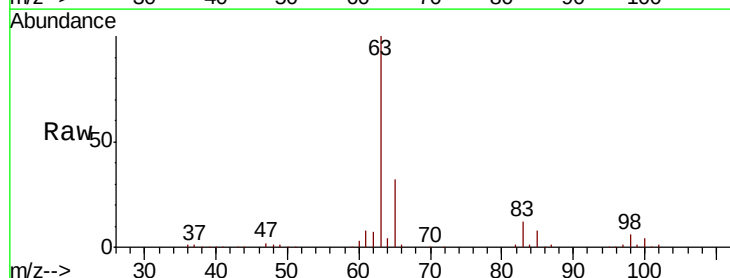
Tgt Ion: 63 Resp: 489240

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 3.9 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU027316.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU027316.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU027316.D (-614) (-)

3.44

300000

250000

200000

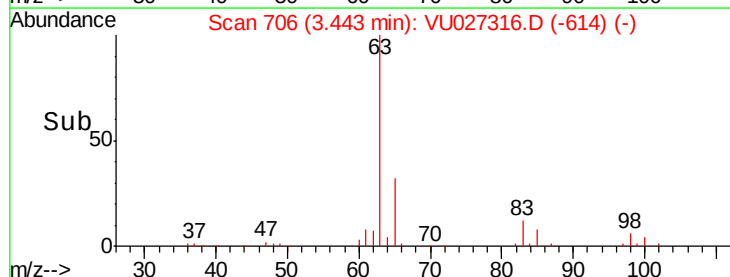
150000

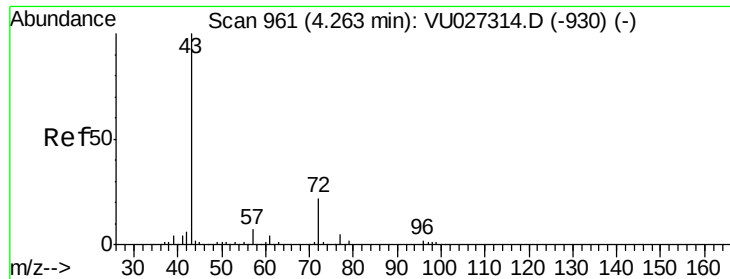
100000

50000

0

Time-->





#25

2-Butanone

Concen: 771.959 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1245123

Ion Ratio Lower Upper

43 100

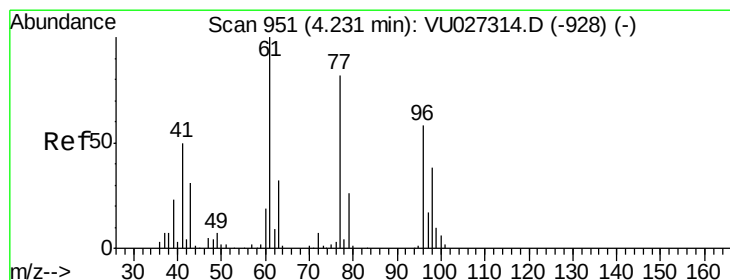
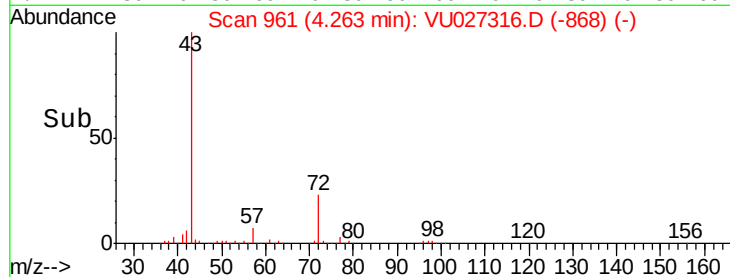
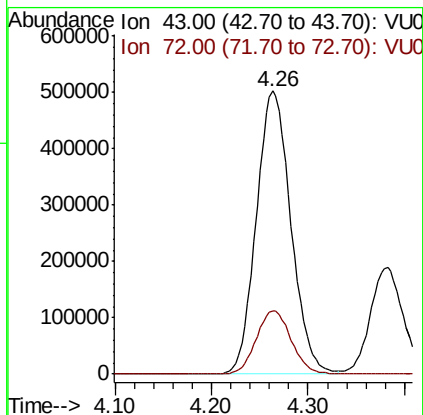
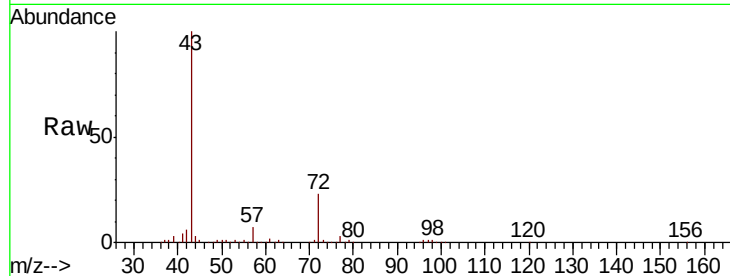
72 22.5 17.8 26.6

Manual Integrations

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10/3/2018 11:41:44 AM



#26

2,2-Dichloropropane

Concen: 149.487 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.01 min

Lab File: VU027316.D

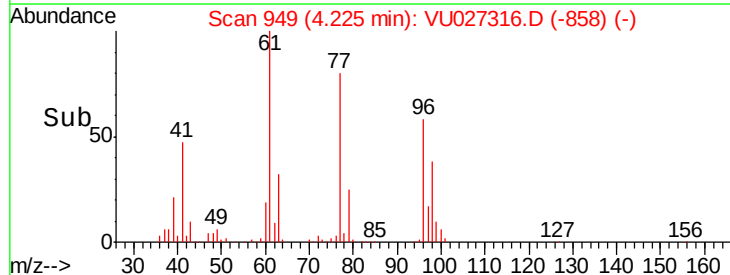
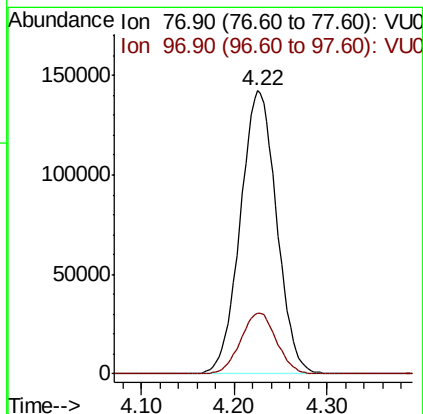
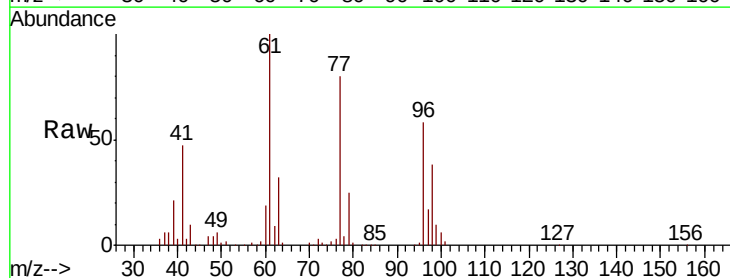
Acq: 01 Oct 2018 12:02

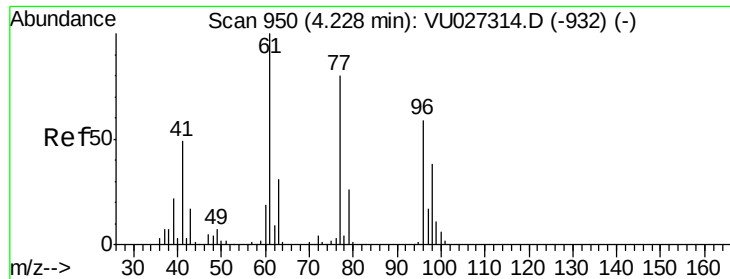
Tgt Ion: 77 Resp: 386008

Ion Ratio Lower Upper

77 100

97 21.3 10.4 31.1





#27

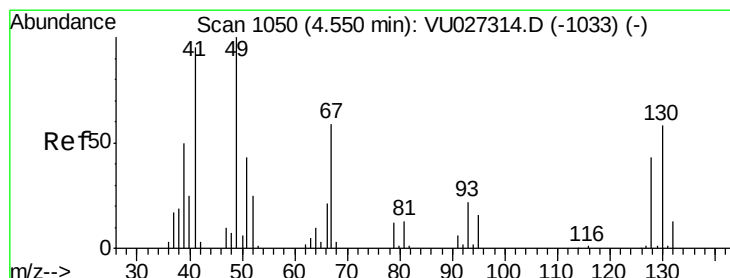
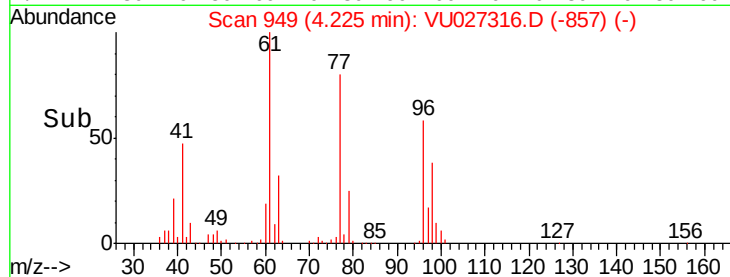
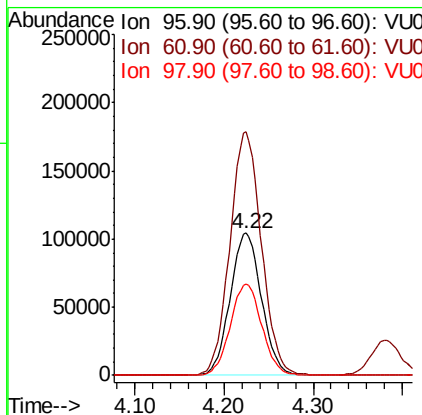
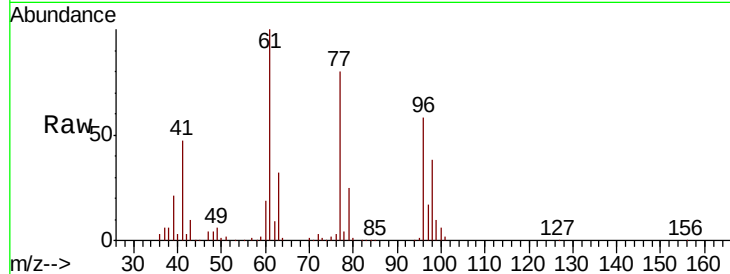
cis-1,2-Dichloroethene
 Concen: 155.894 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	172.2	0.0	343.8	
98	64.6	0.0	129.0	

Manual Integrations
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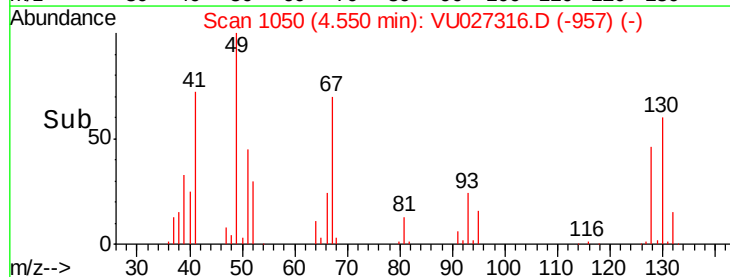
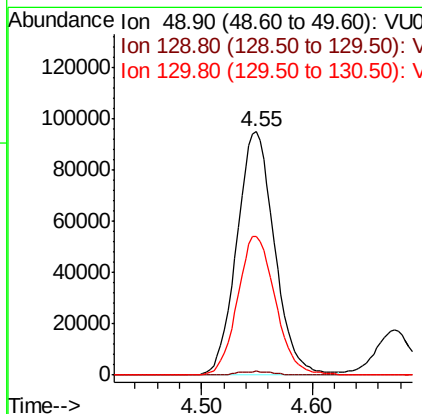
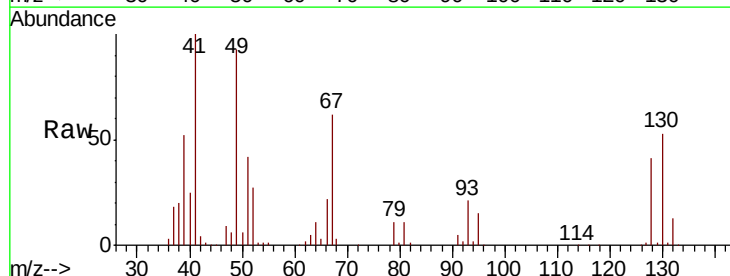
MMDadoda
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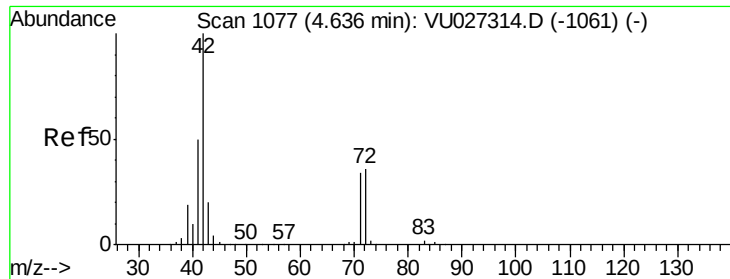


#28

Bromochloromethane
 Concen: 148.509 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.4	0.0	3.0	
130	57.2	46.1	69.1	





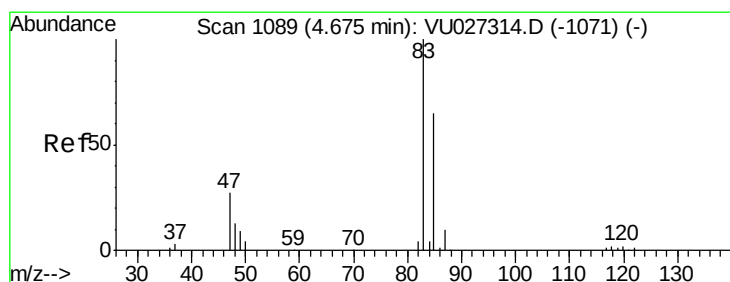
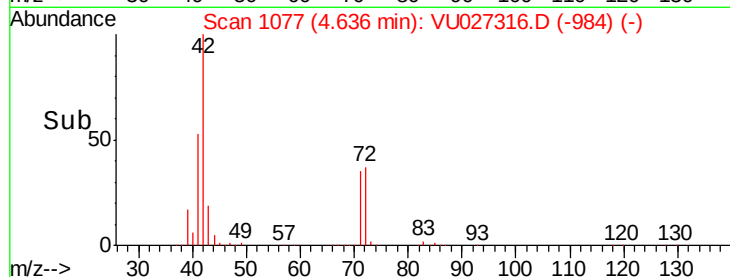
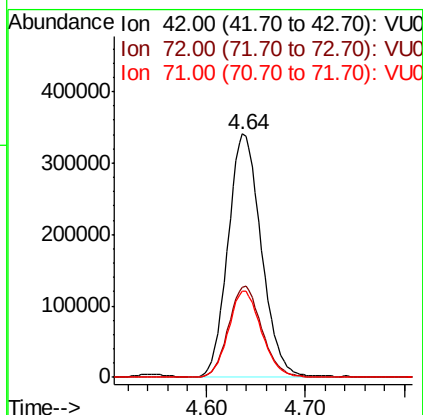
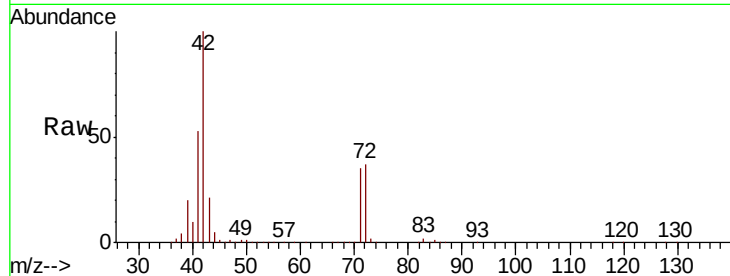
#29
Tetrahydrofuran
Concen: 788.058 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	30.1	45.1
71	35.3	27.7	41.5

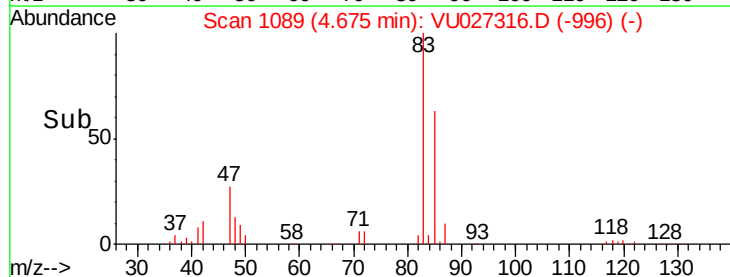
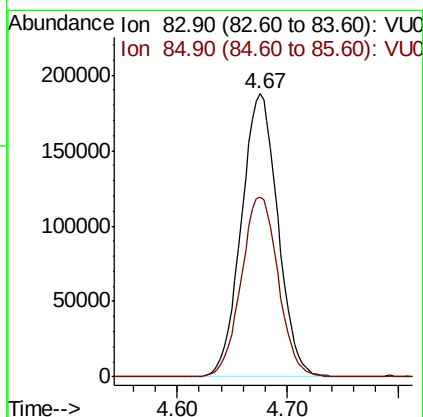
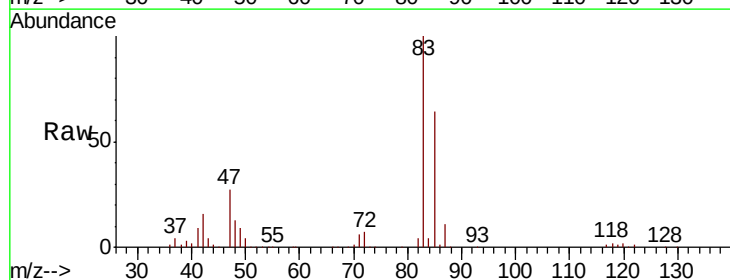
Manual Integrations
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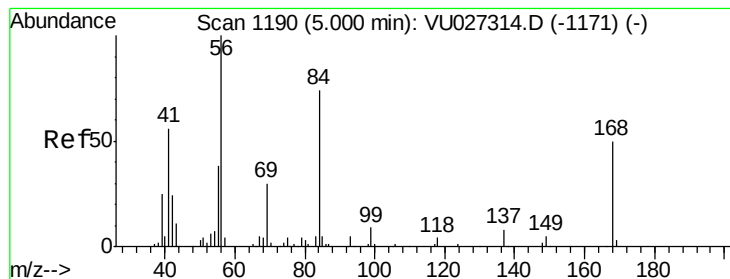
MMDadoda
10/3/2018 11:41:44 AM



#30
Chloroform
Concen: 154.220 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.6





#31

Cyclohexane

Concen: 131.133 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

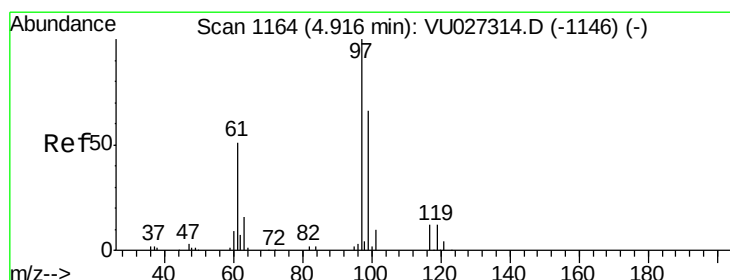
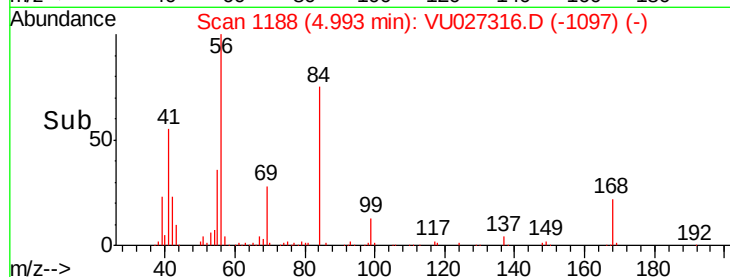
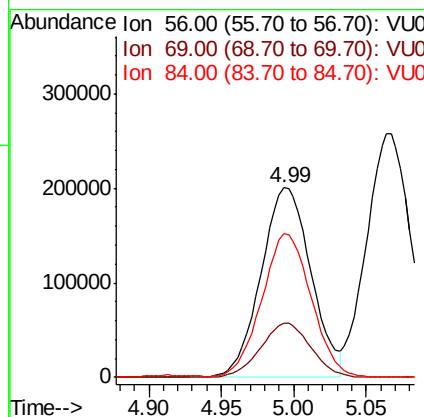
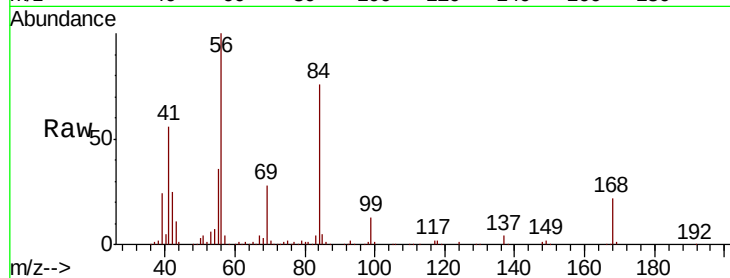
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	481908
Ion	Ratio	Lower	Upper
56	100		
69	28.5	24.1	36.1
84	74.9	59.1	88.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 155.630 ug/l

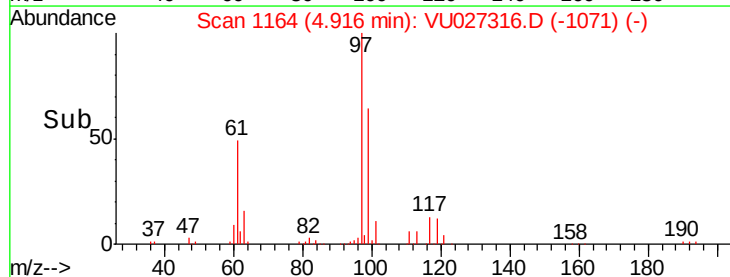
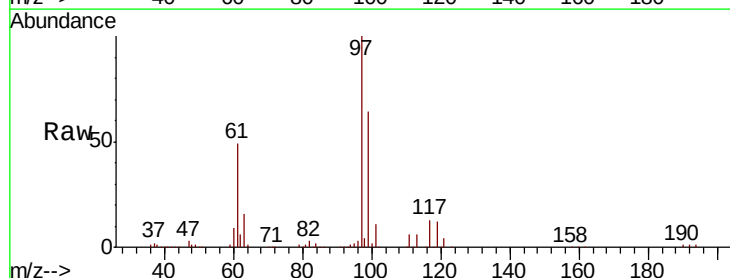
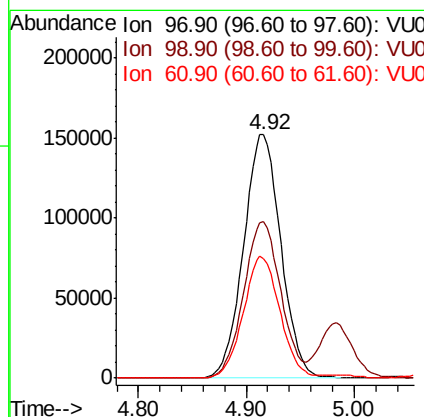
RT: 4.92 min Scan# 1164

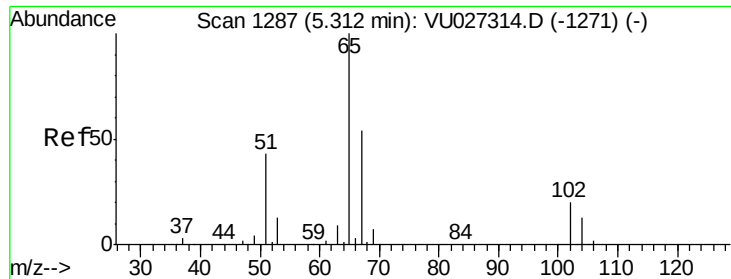
Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Tgt Ion:	97	Resp:	365962
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.1	76.7
61	49.3	39.6	59.4





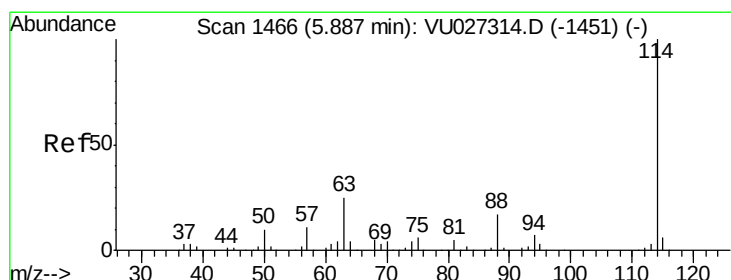
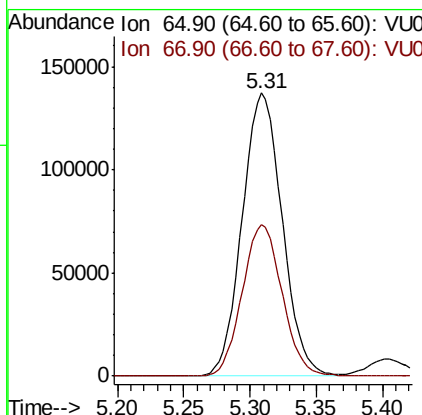
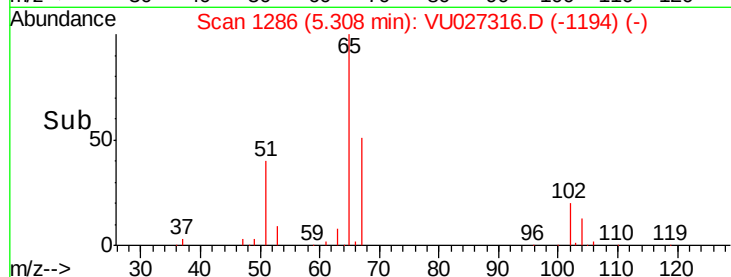
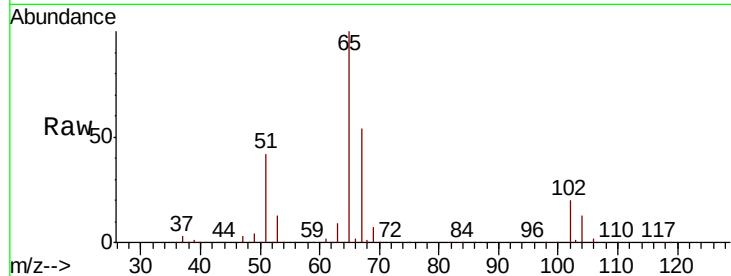
#33
 1,2-Dichloroethane-d4
 Concen: 151.570 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	107.8

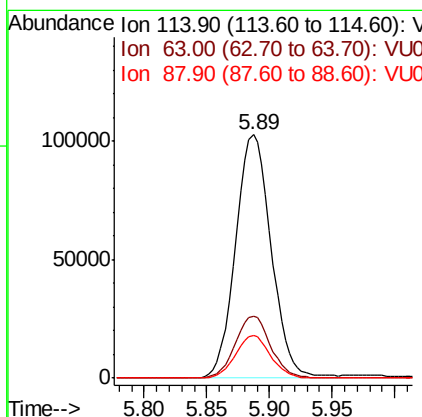
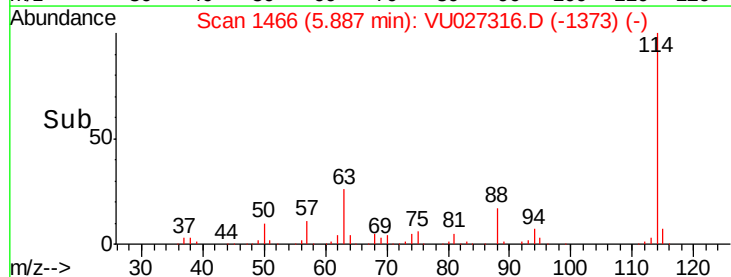
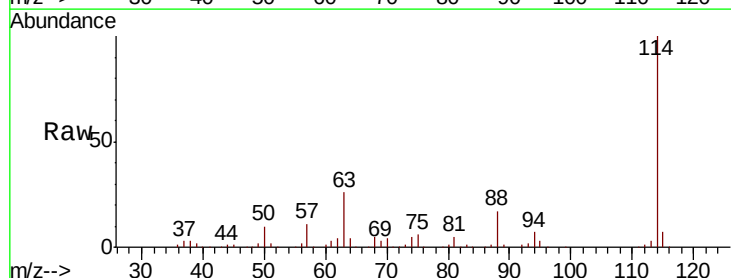
Manual Integrations
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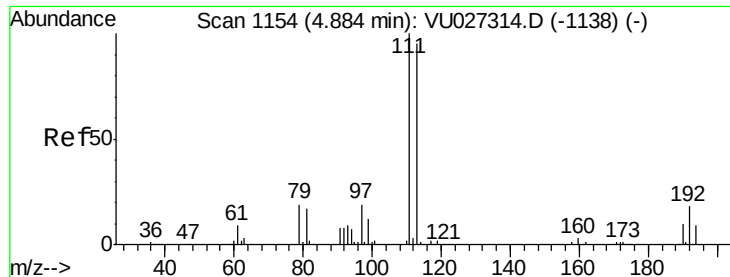
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 10/3/2018 11:41:44 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.6	0.0	50.2
88	17.5	0.0	33.8





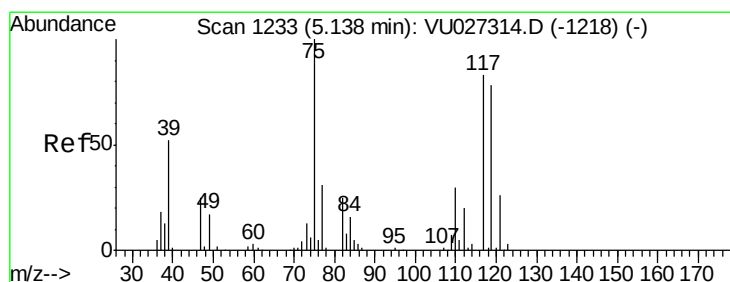
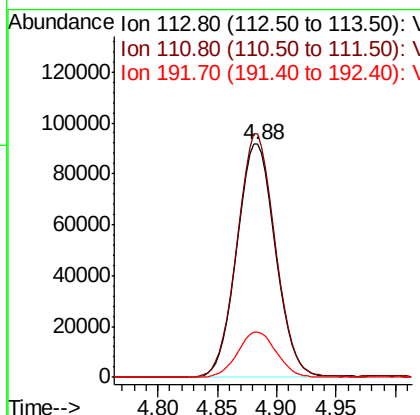
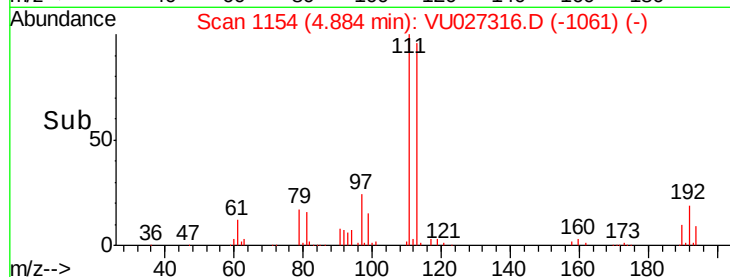
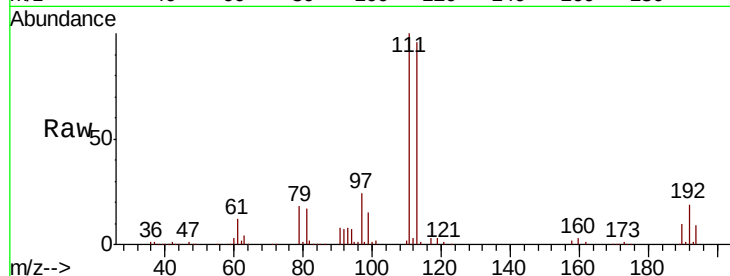
#35
 Dibromofluoromethane
 Concen: 154.914 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	206750		
111	103.2		83.1	124.7
192	19.5		15.4	23.0

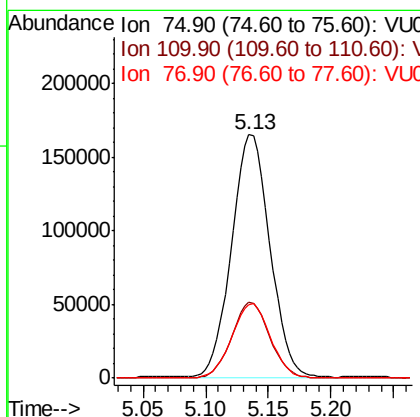
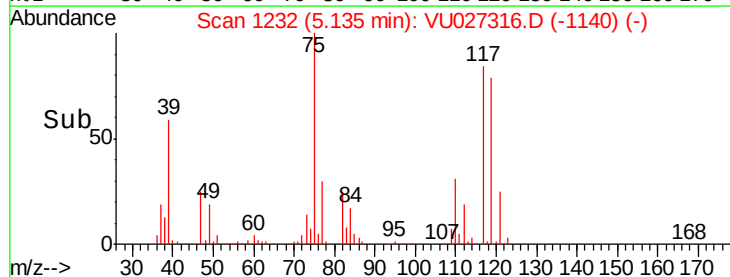
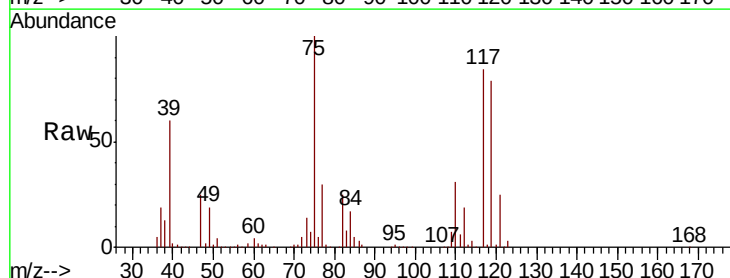
Manual Integrations
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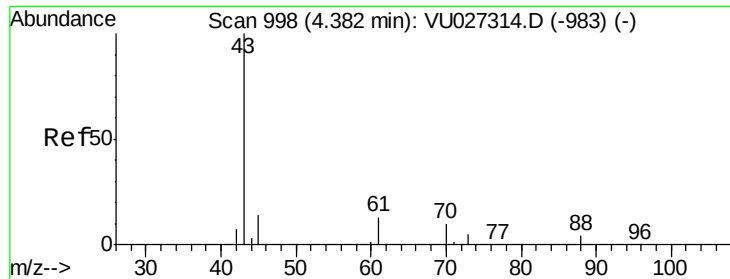
MMDadoda
 10/3/2018 11:41:44 AM



#36
 1,1-Dichloropropene
 Concen: 158.215 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	348851		
110	31.2		15.5	46.5
77	30.5		25.4	38.0





#37

Ethyl Acetate

Concen: 165.695 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

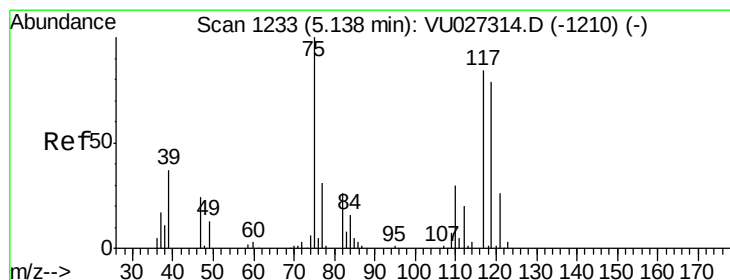
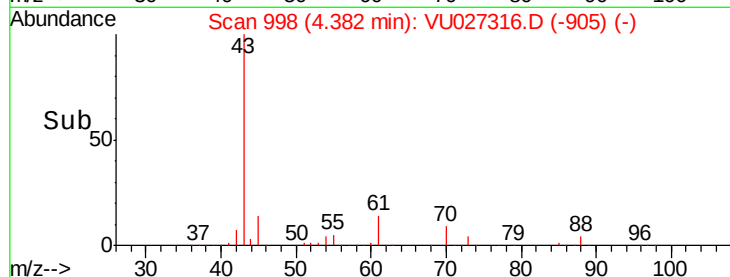
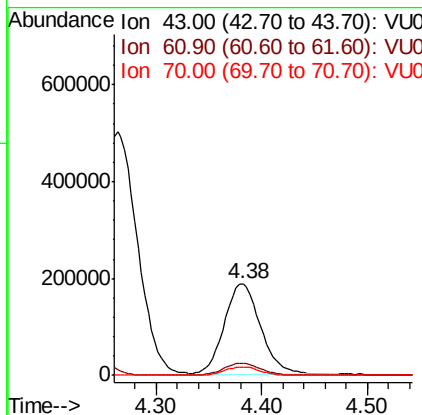
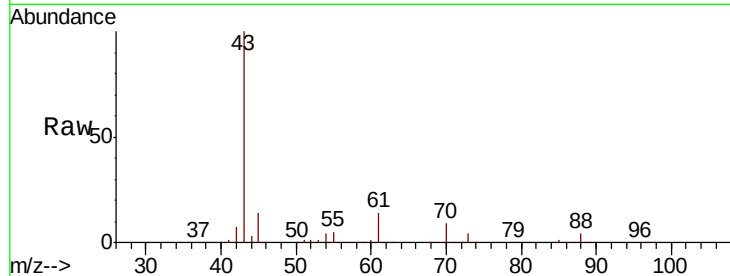
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	450503
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	9.0	7.4	11.2

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 158.993 ug/l

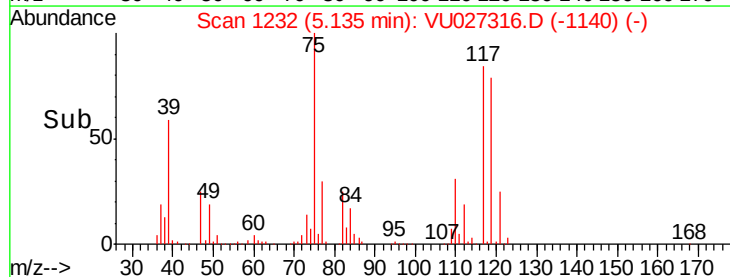
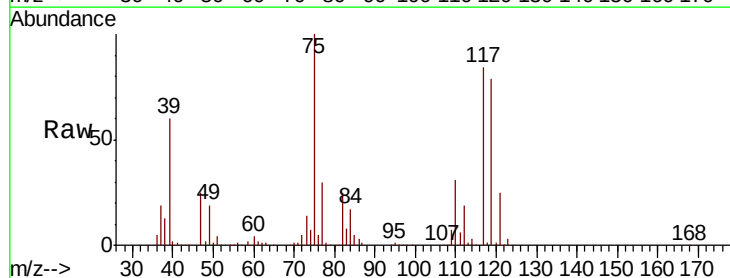
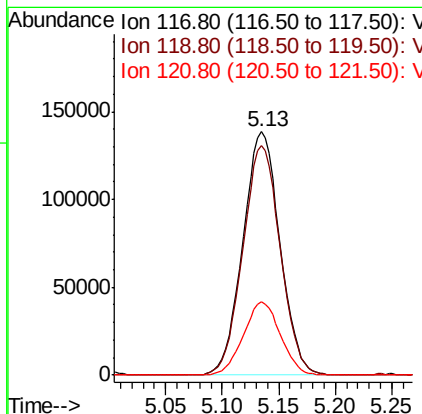
RT: 5.13 min Scan# 1232

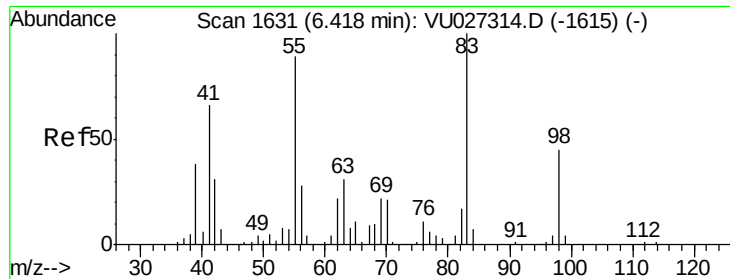
Delta R.T. -0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Tgt Ion:	117	Resp:	316671
Ion	Ratio	Lower	Upper
117	100		
119	94.5	74.5	111.7
121	29.9	24.6	37.0





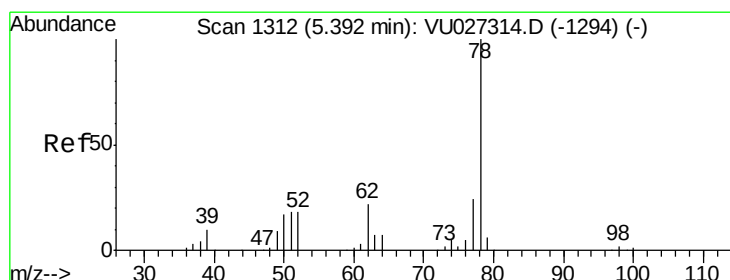
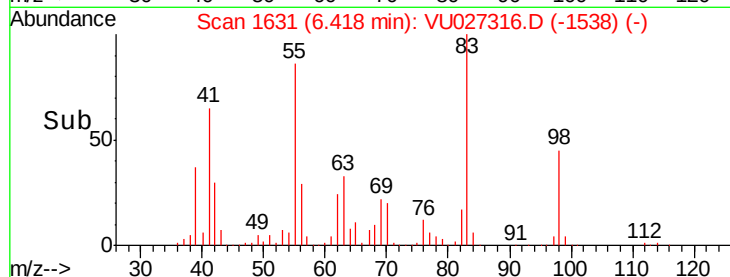
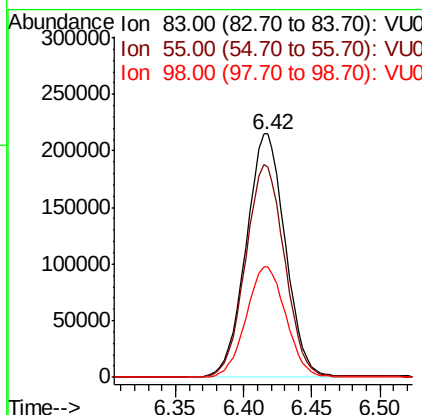
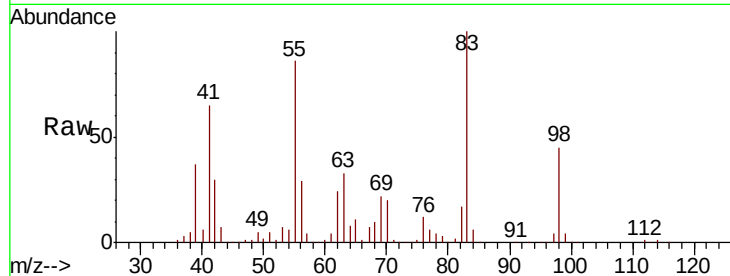
#39
Methylvlcyclohexane
Concen: 166.241 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	428477
Ion Ratio	Lower	Upper	
83	100		
55	86.4	71.1	106.7
98	45.4	36.3	54.5

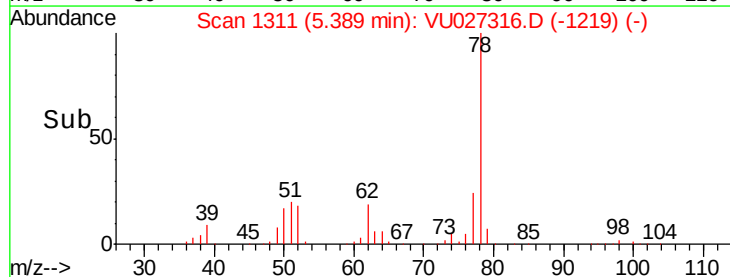
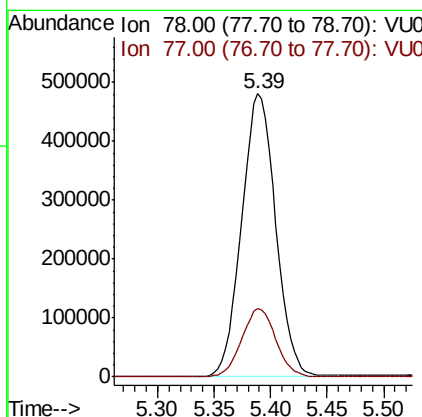
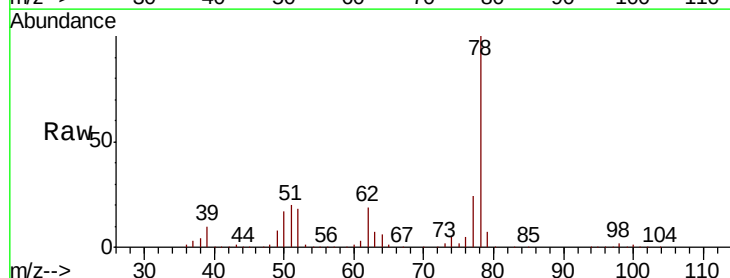
Manual Integrations
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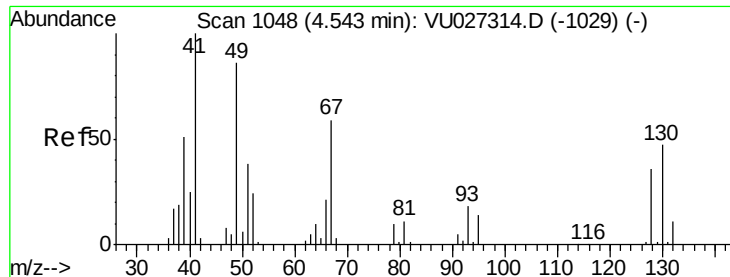
MMDadoda
10/3/2018 11:41:44 AM



#40
Benzene
Concen: 157.355 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion	78	Resp	1010636
Ion Ratio	Lower	Upper	
78	100		
77	24.2	19.3	28.9





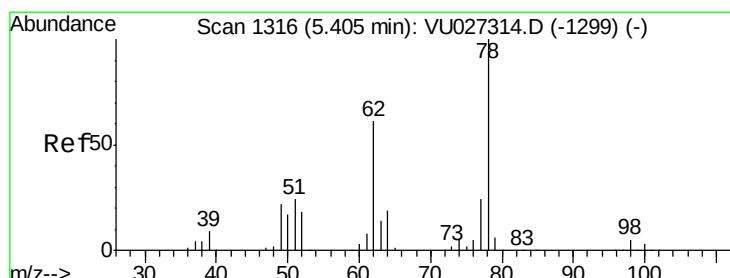
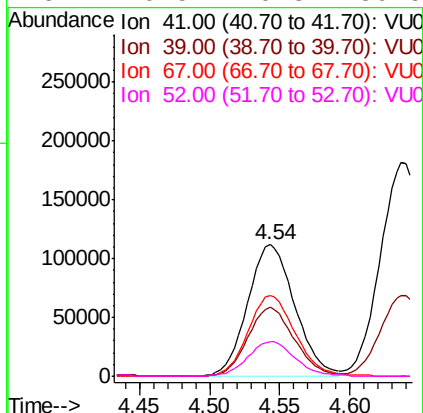
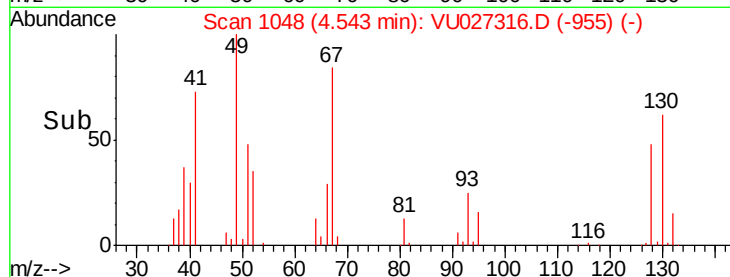
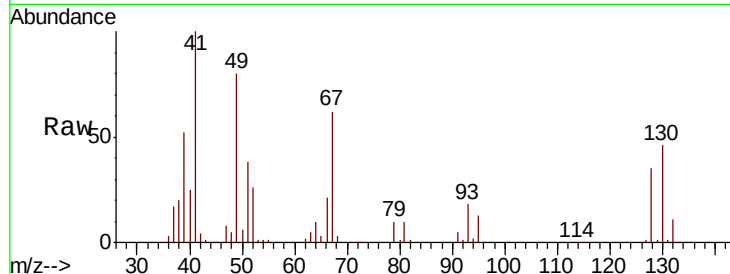
#41
Methacrylonitrile
Concen: 161.302 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		259802		
39	51.6	41.1	61.7		
67	61.9	50.4	75.6		
52	26.5	20.3	30.5		

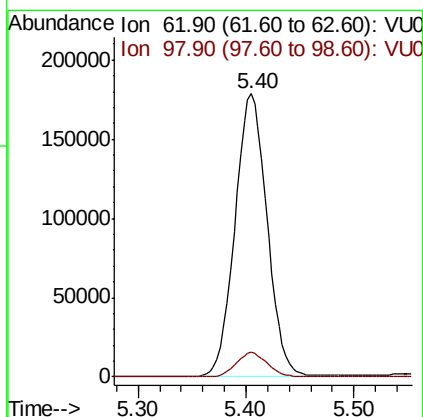
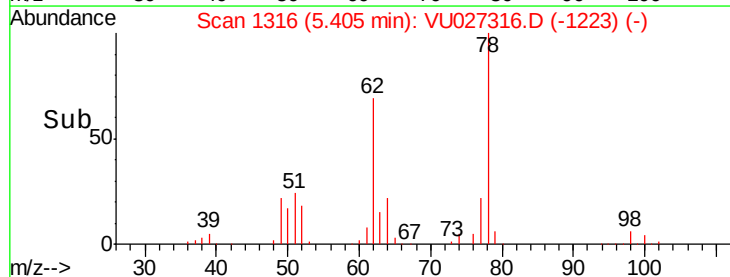
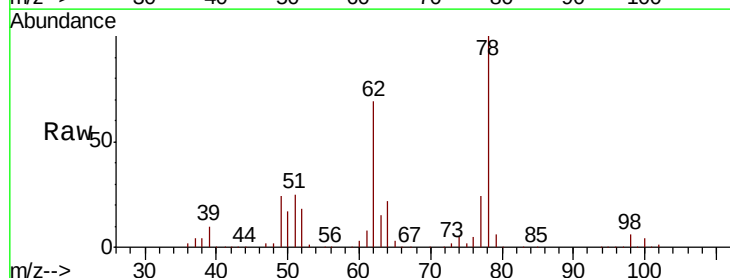
Manual Integrations
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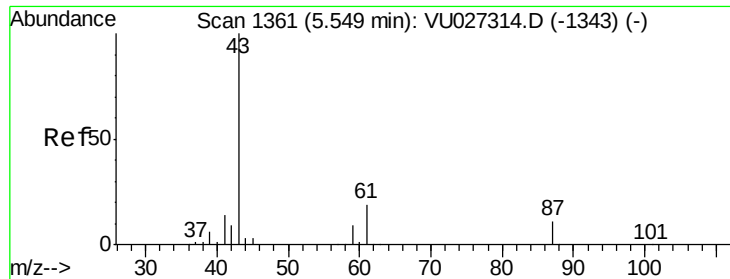
MMDadoda
10/3/2018 11:41:44 AM



#42
1,2-Dichloroethane
Concen: 155.994 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		371896		
98	8.4	0.0	16.8		





#43

Isopropyl Acetate

Concen: 164.582 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

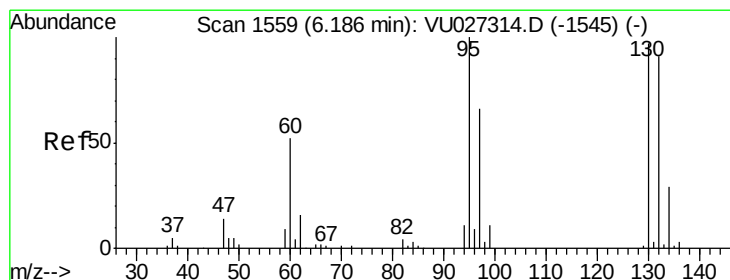
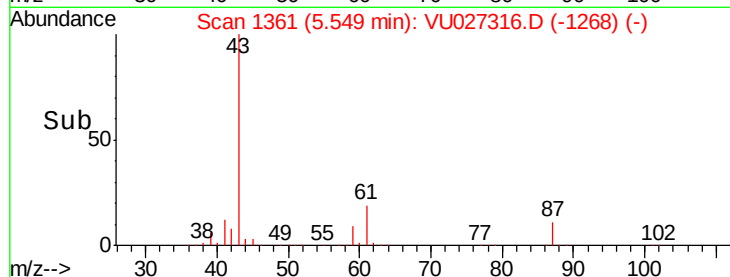
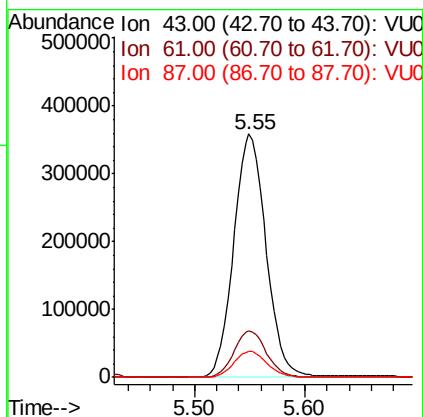
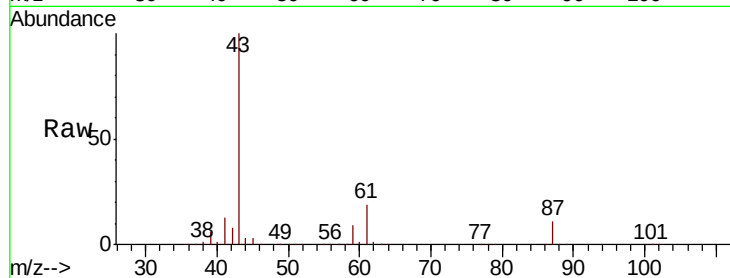
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	728404
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.3	22.9
87	11.0	8.6	13.0

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#44

Trichloroethene

Concen: 157.418 ug/l

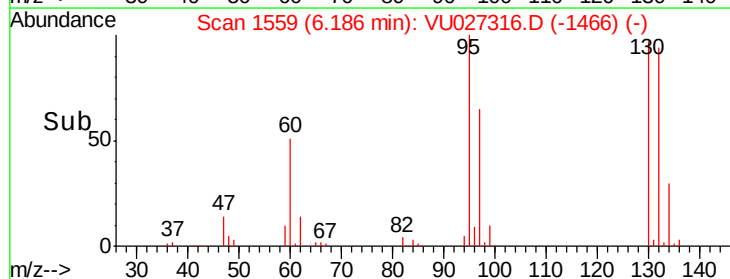
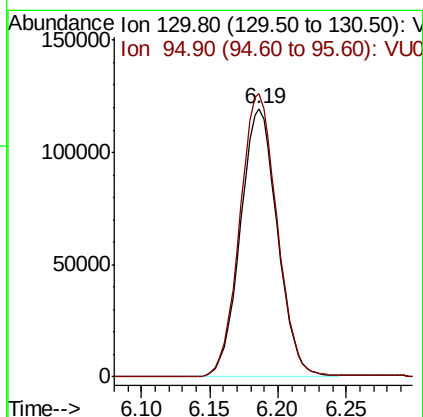
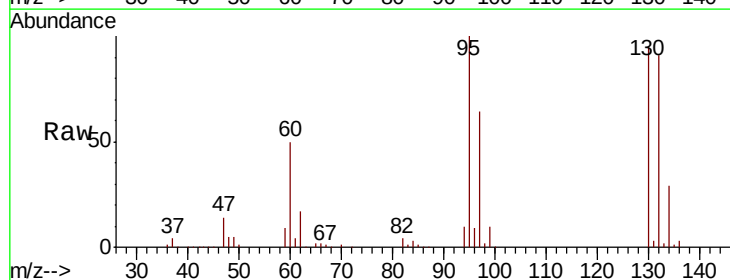
RT: 6.19 min Scan# 1559

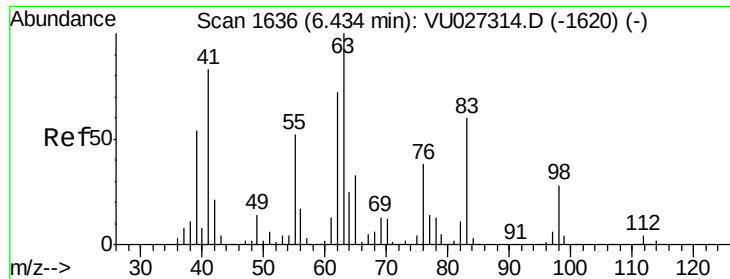
Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Tgt Ion:	130	Resp:	225444
Ion	Ratio	Lower	Upper
130	100		
95	105.6	0.0	207.0





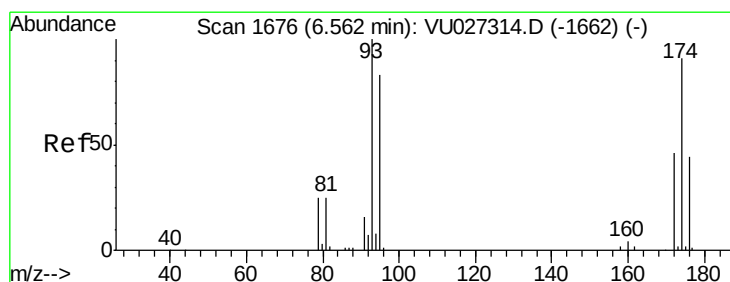
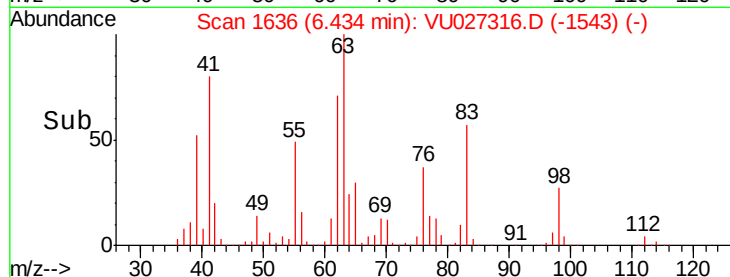
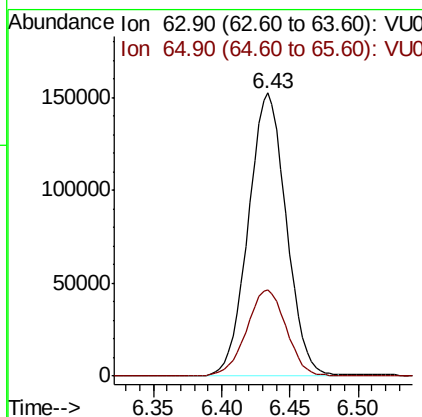
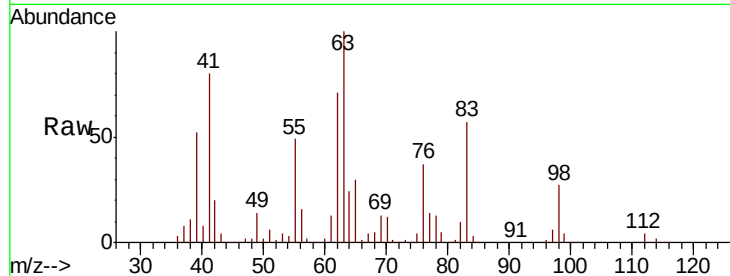
#45
 1,2-Dichloropropane
 Concen: 159.167 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 294857
 Ion Ratio Lower Upper
 63 100
 65 30.4 26.0 39.0

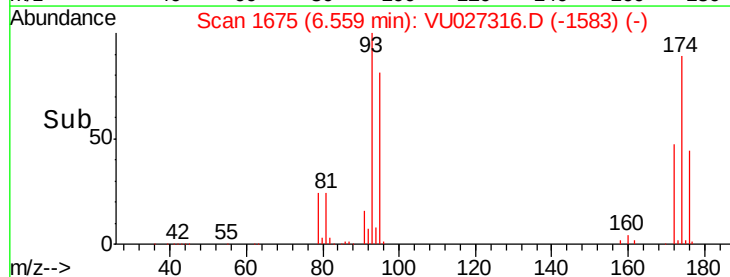
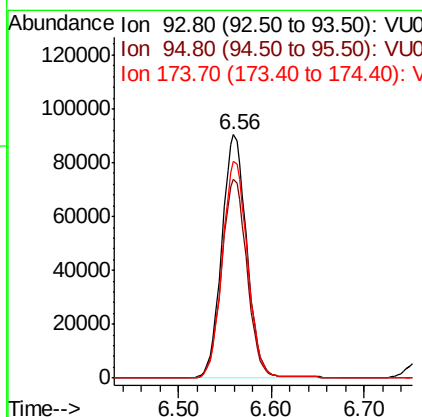
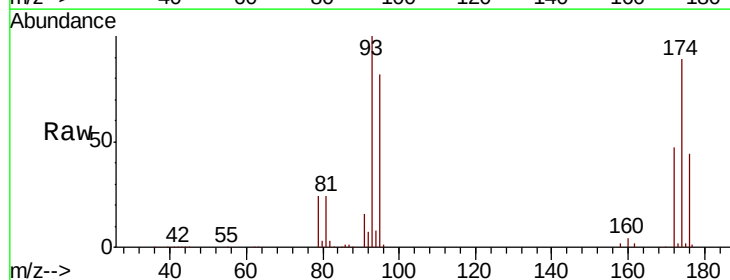
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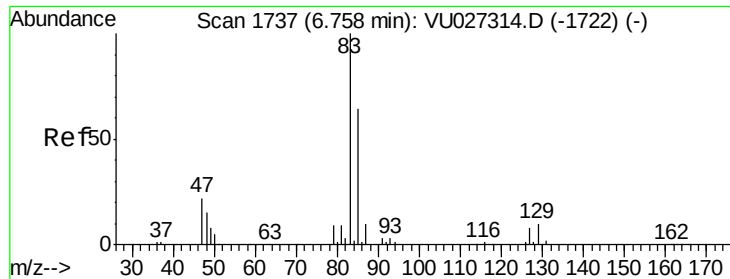
MMDadoda
 10/3/2018 11:41:44 AM



#46
 Dibromomethane
 Concen: 161.989 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Tgt Ion: 93 Resp: 169484
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.5 99.7
 174 89.8 72.5 108.7





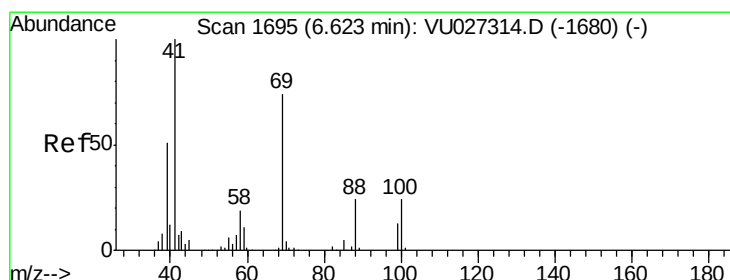
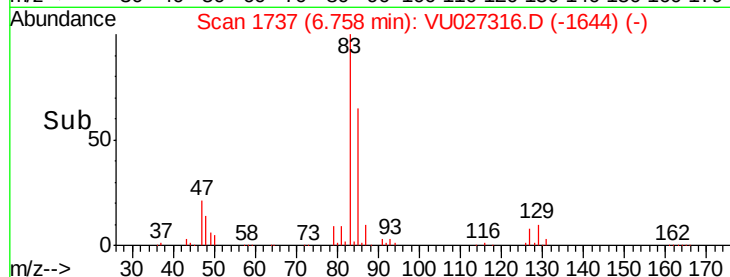
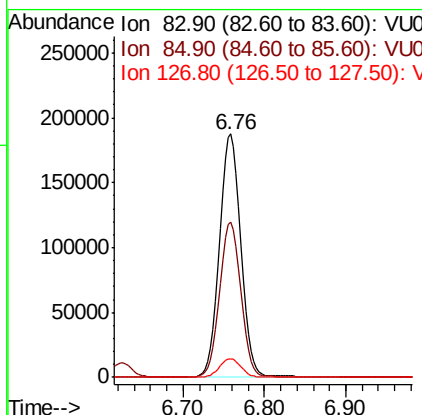
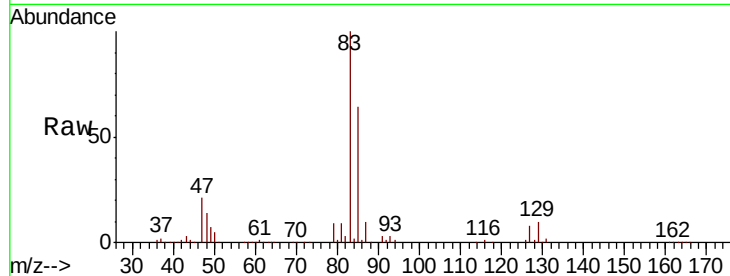
#47
Bromodichloromethane
Concen: 161.776 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	351217		
85	63.5		51.4	77.0
127	7.8		6.3	9.5

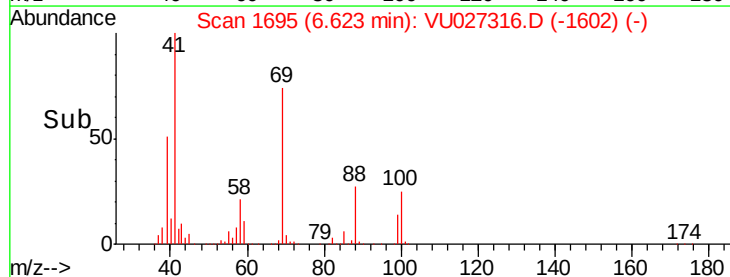
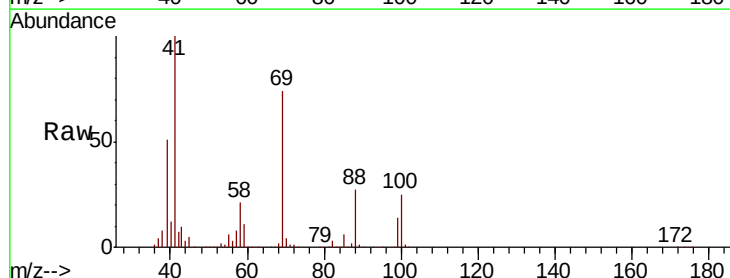
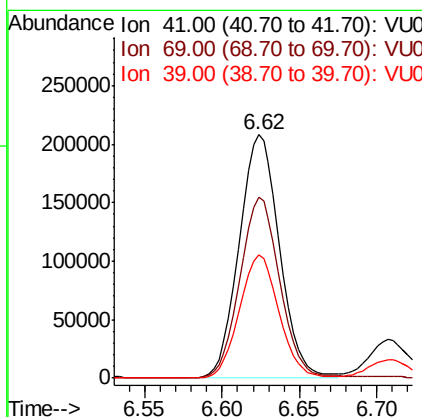
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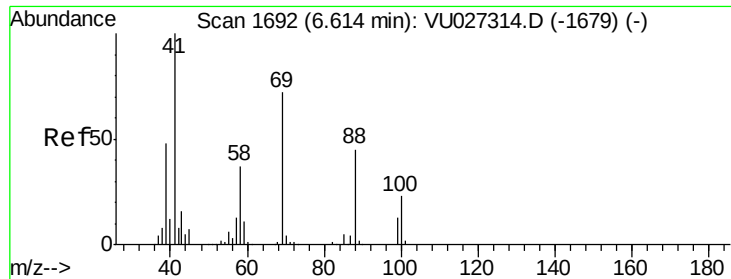
MMDadoda
10/3/2018 11:41:44 AM



#48
Methyl methacrylate
Concen: 171.026 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	376410		
69	75.0		61.0	91.4
39	49.7		39.9	59.9





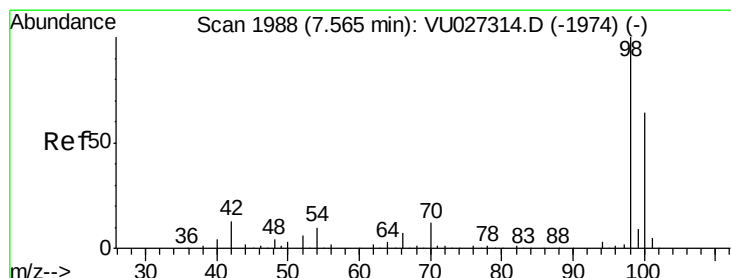
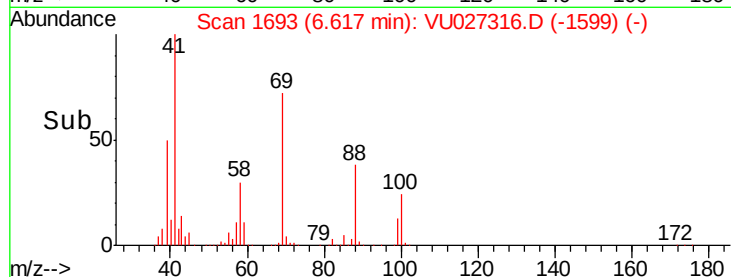
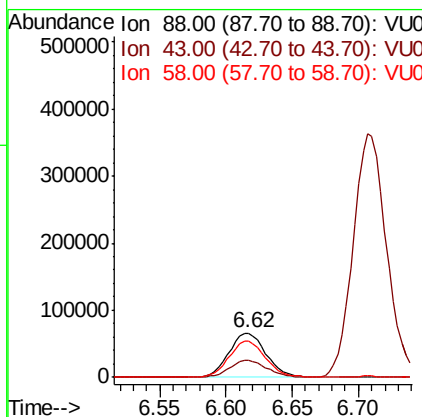
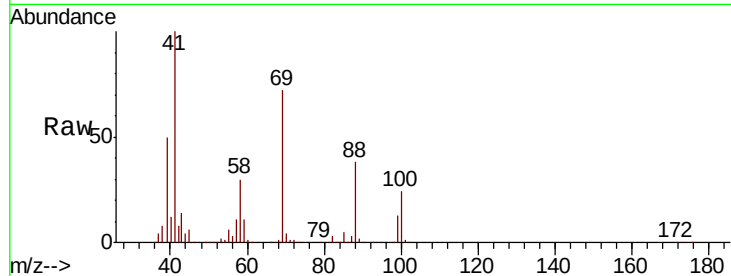
#49
1,4-Dioxane
Concen: 3356.745 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.4	30.8	46.2
58	82.3	67.0	100.6

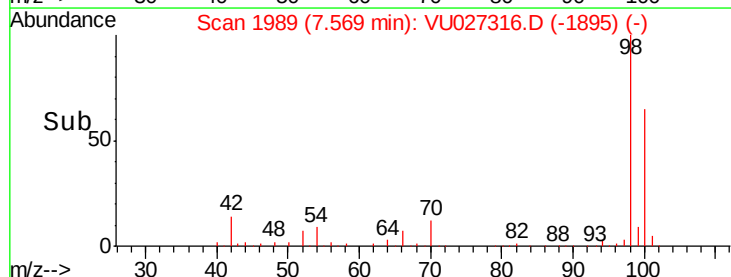
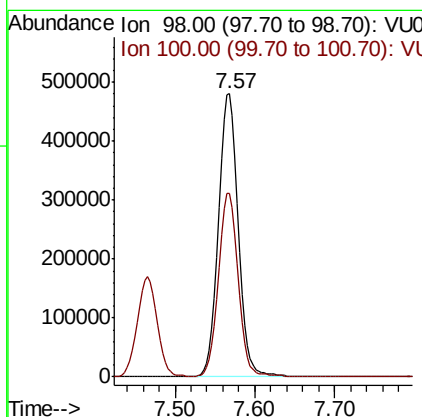
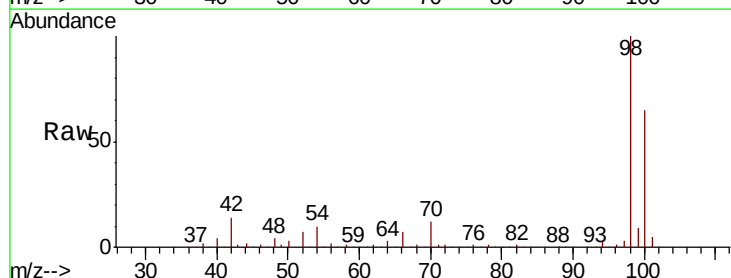
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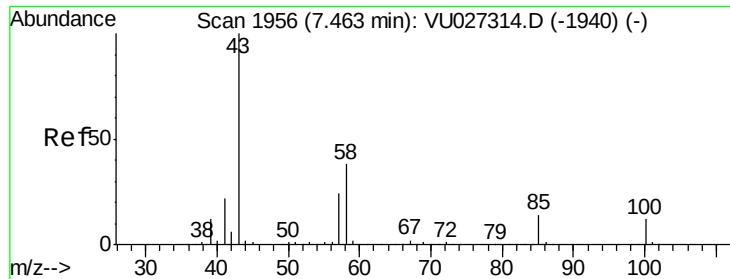
MMDadoda
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#50
Toluene-d8
Concen: 159.035 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 837.479 ug/l

RT: 7.47 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2408527

Ion Ratio Lower Upper

43 100

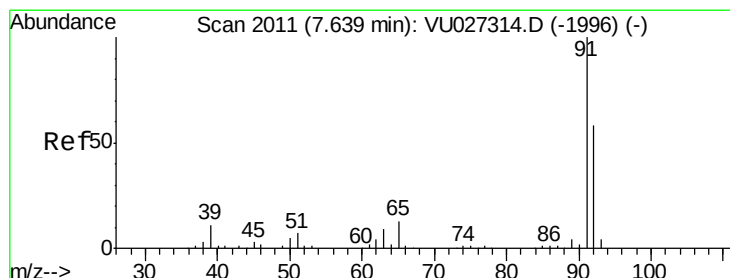
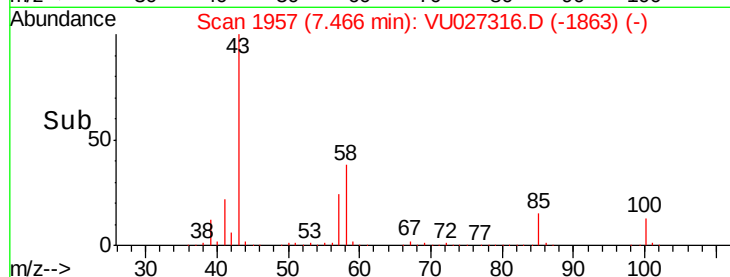
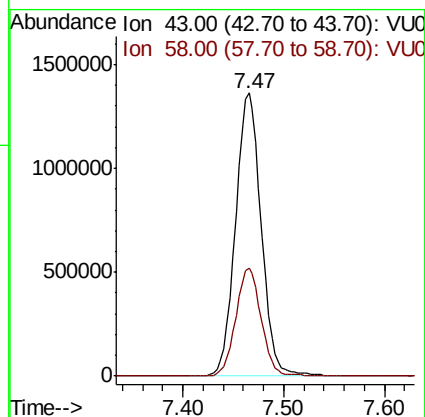
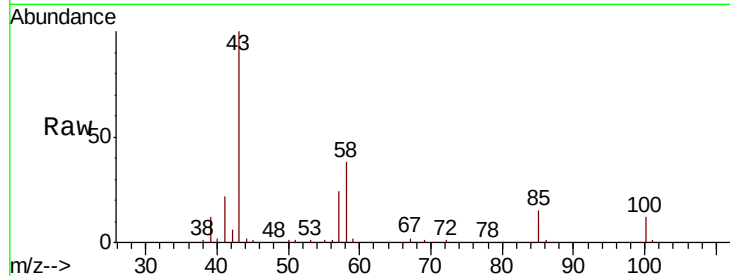
58 37.8 29.8 44.8

Manual Integrations

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#52

Toluene

Concen: 161.084 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027316.D

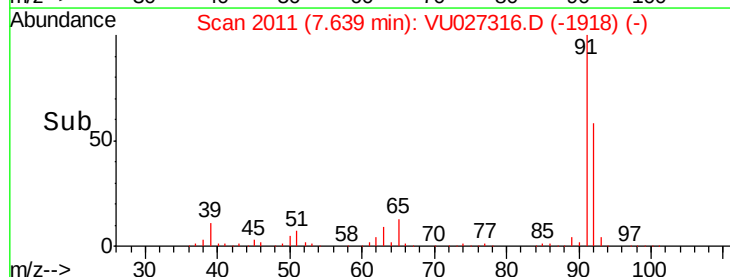
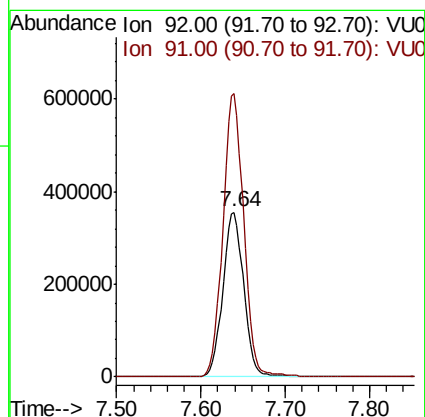
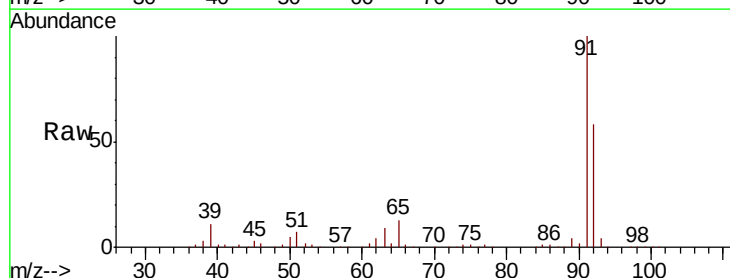
Acq: 01 Oct 2018 12:02

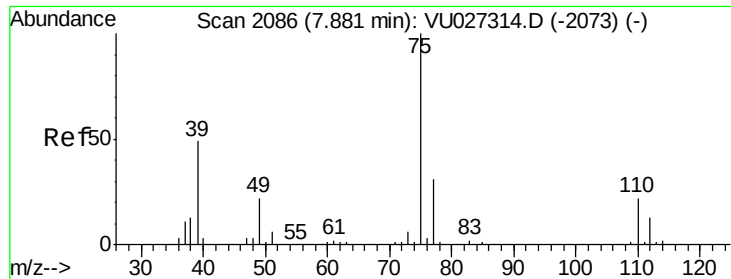
Tgt Ion: 92 Resp: 612363

Ion Ratio Lower Upper

92 100

91 171.1 138.6 208.0





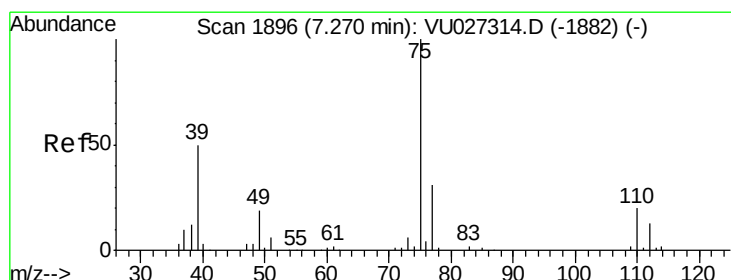
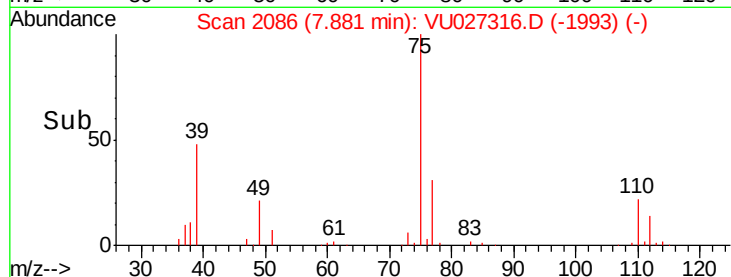
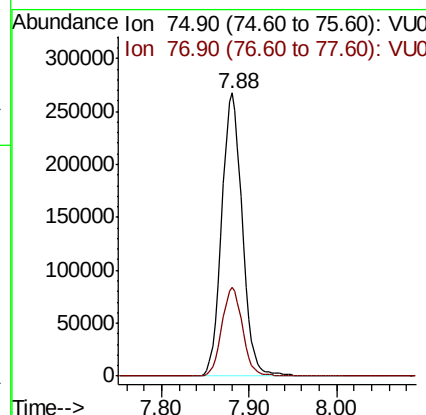
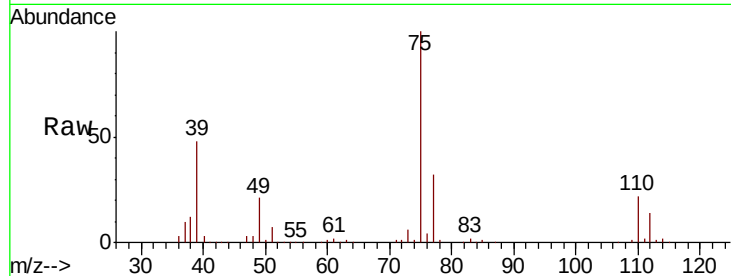
#53
t-1,3-Dichloropropene
Concen: 171.748 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6

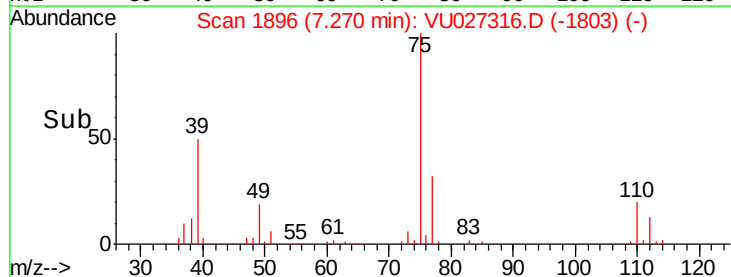
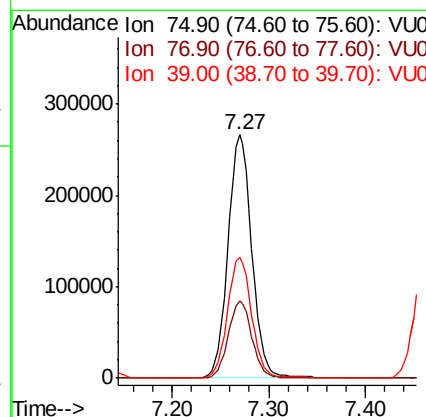
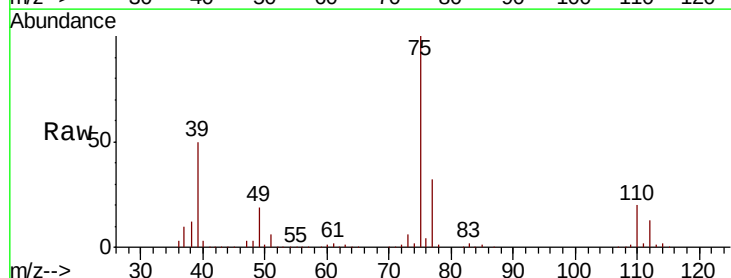
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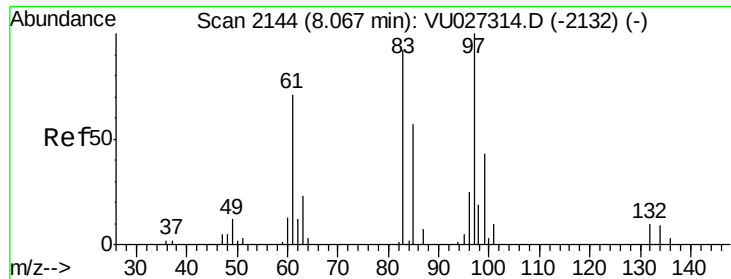
MMDadoda
10/3/2018 11:41:44 AM



#54
cis-1,3-Dichloropropene
Concen: 166.138 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.5	36.7
39	49.8	40.1	60.1





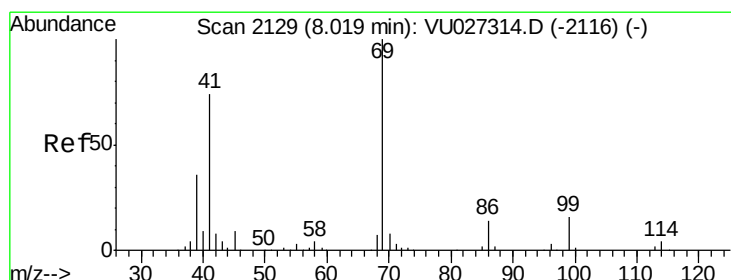
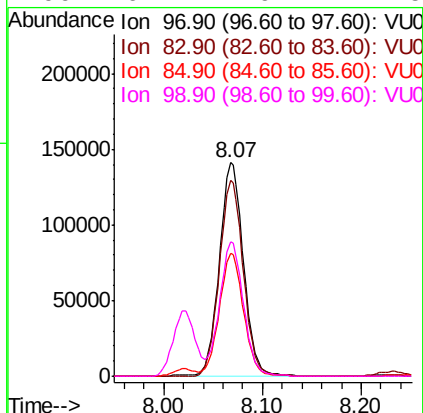
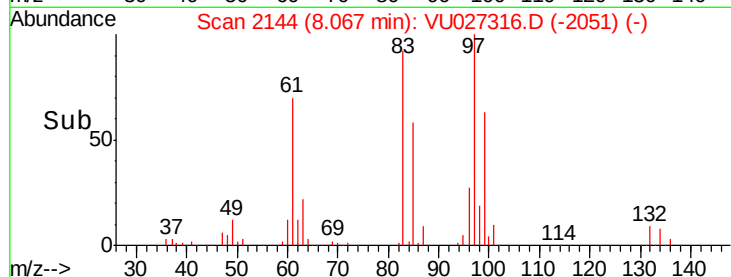
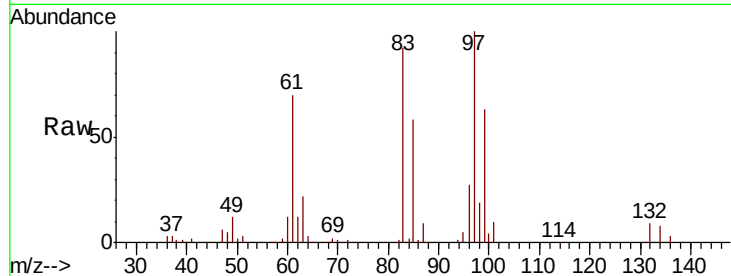
#55
 1,1,2-Trichloroethane
 Concen: 160.507 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		241923		
83	91.7	73.0	109.6		
85	57.7	47.3	70.9		
99	62.7	49.7	74.5		

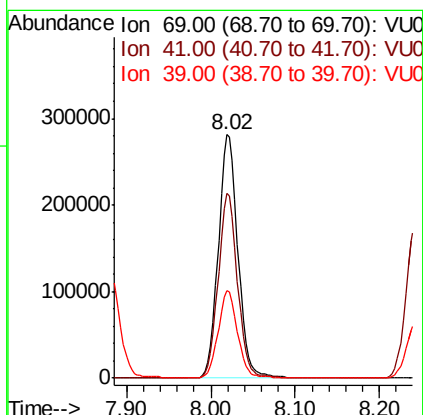
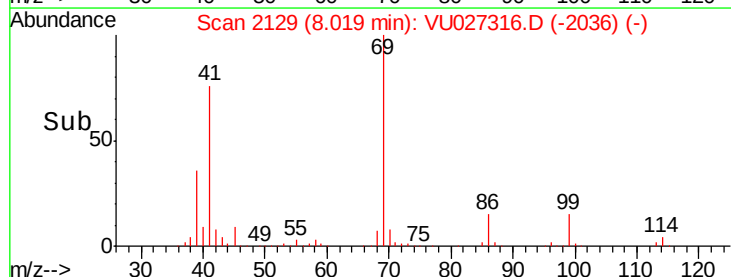
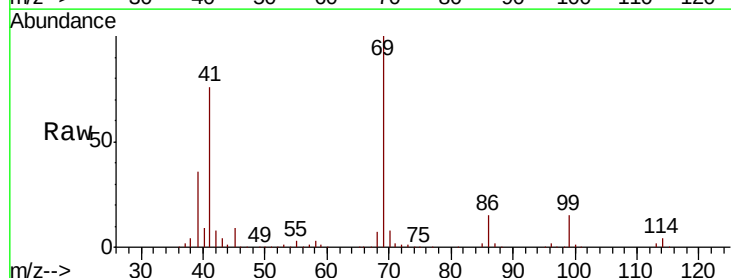
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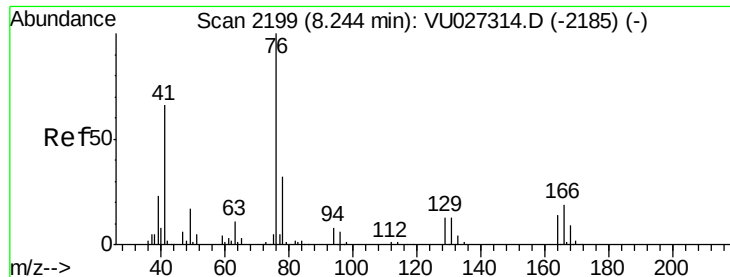
MMDadoda
 10/3/2018 11:41:44 AM



#56
 Ethyl methacrylate
 Concen: 181.287 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		453478		
41	75.0	60.0	90.0		
39	35.6	29.5	44.3		





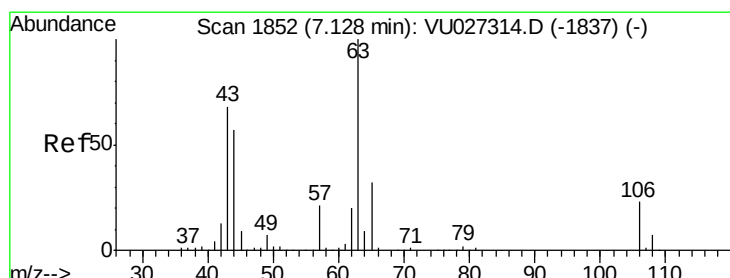
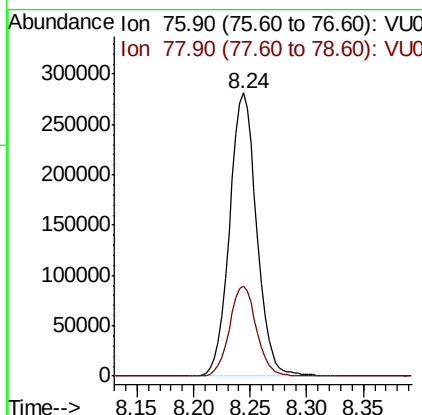
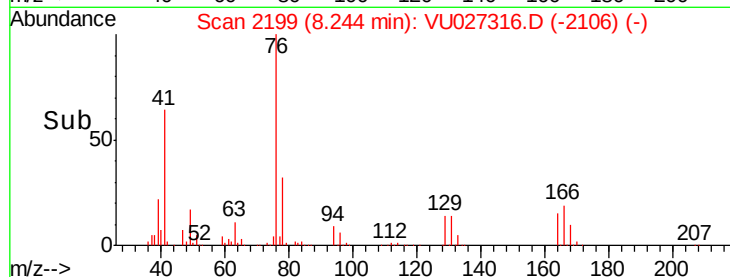
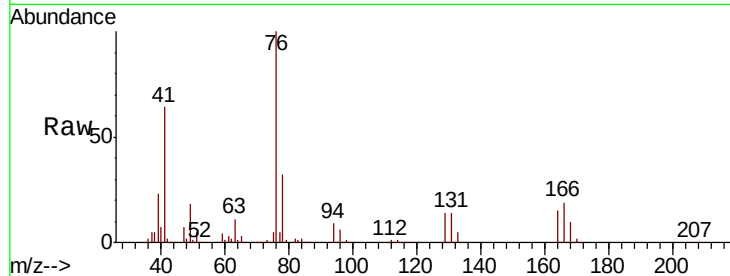
#57
 1,3-Dichloropropane
 Concen: 159.930 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 467950
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.6

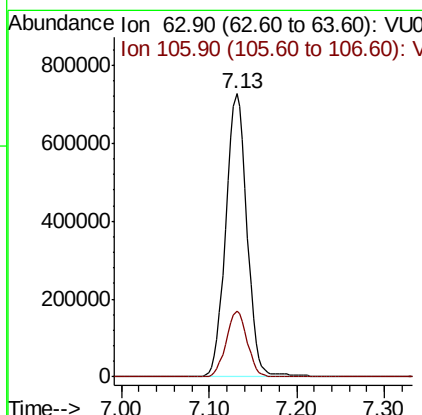
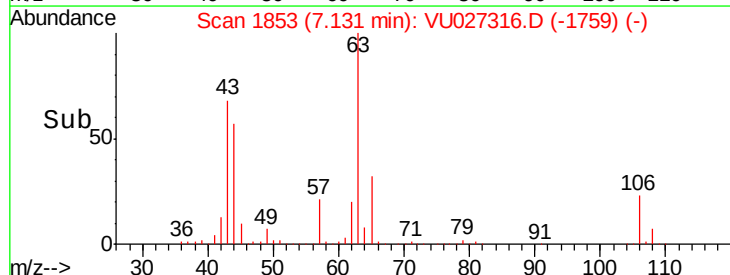
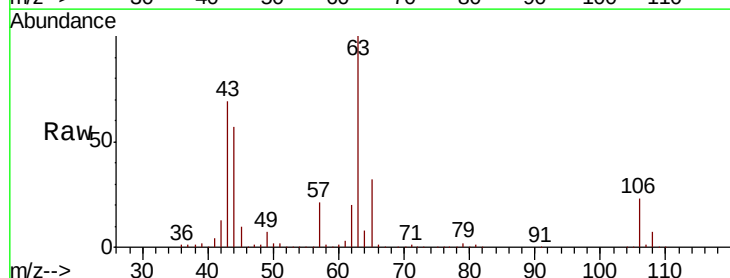
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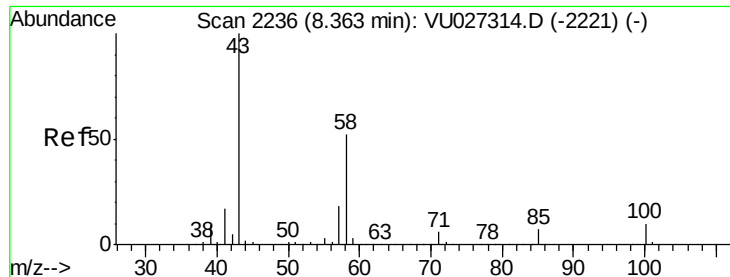
MMDadoda
 10/3/2018 11:41:44 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 878.228 ug/l
 RT: 7.13 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Tgt Ion: 63 Resp: 1227222
 Ion Ratio Lower Upper
 63 100
 106 23.3 18.5 27.7





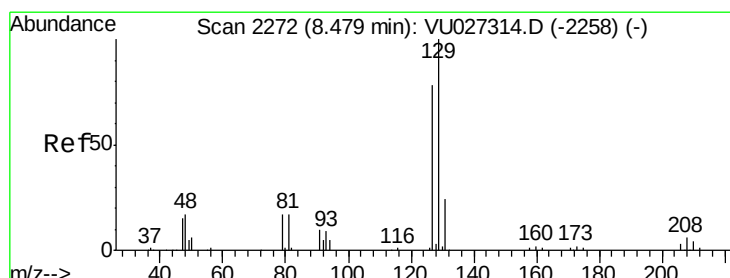
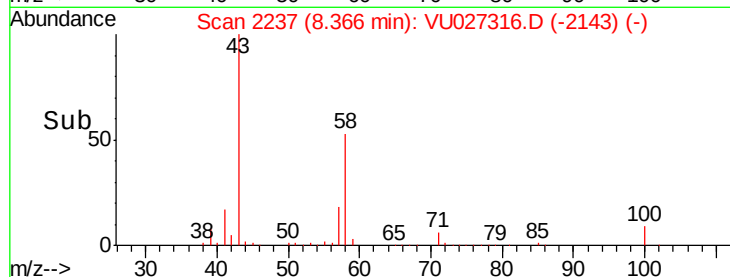
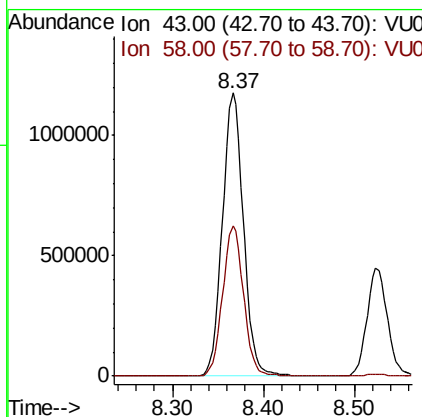
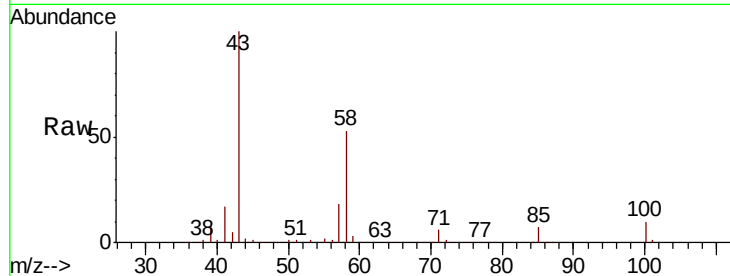
#59
2-Hexanone
Concen: 846.473 ug/l
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1888417
Ion Ratio Lower Upper
43 100
58 53.0 26.1 78.3

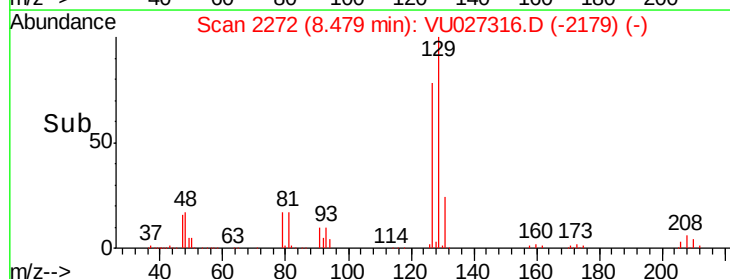
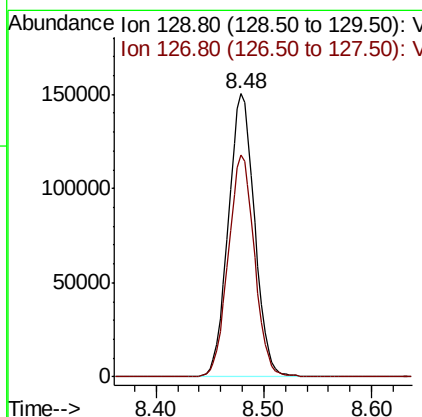
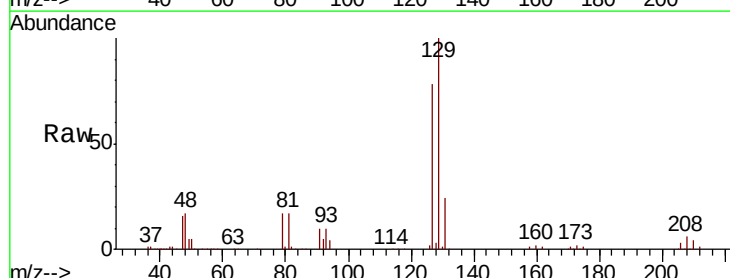
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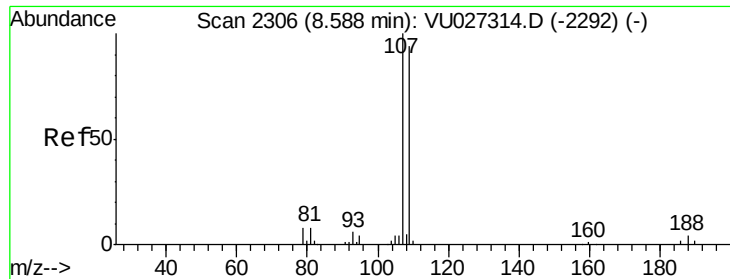
MMDadoda
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#60
Dibromochloromethane
Concen: 169.081 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion: 129 Resp: 255598
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 161.710 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 259147

Ion Ratio Lower Upper

107 100

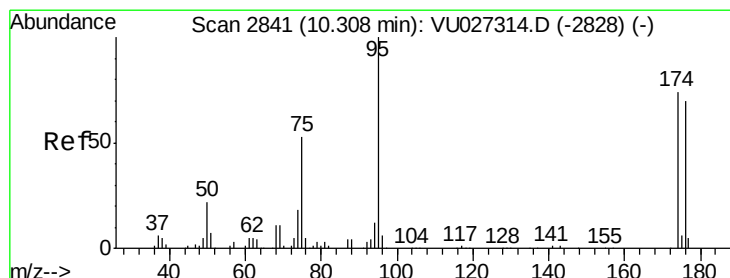
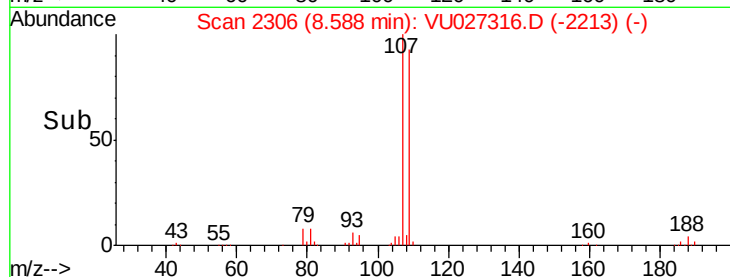
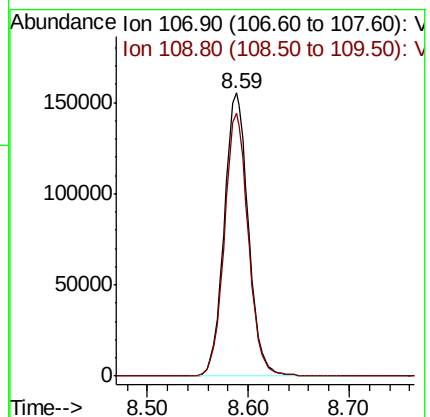
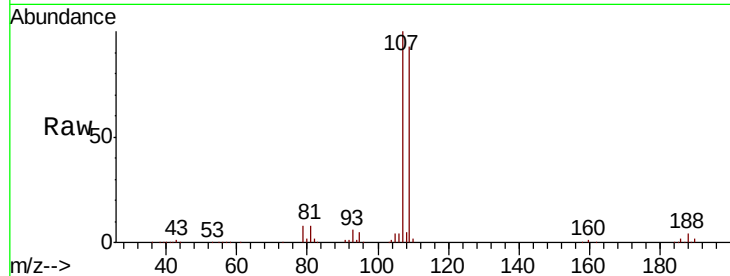
109 92.5 74.5 111.7

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#62

4-Bromofluorobenzene

Concen: 167.327 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

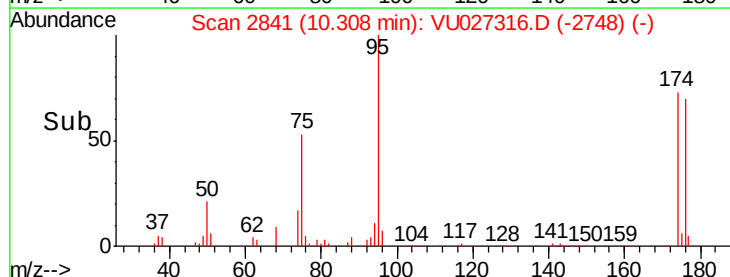
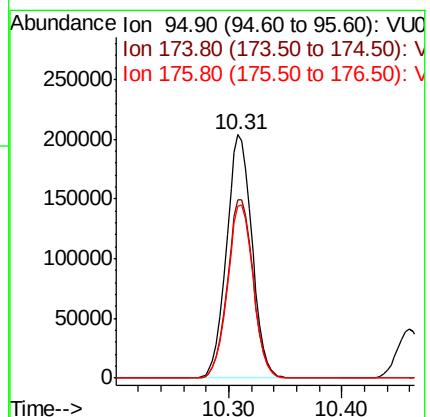
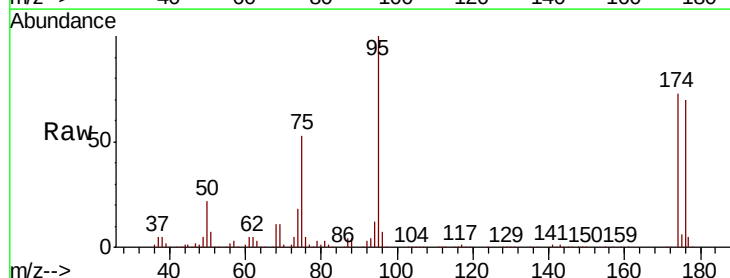
Tgt Ion: 95 Resp: 318782

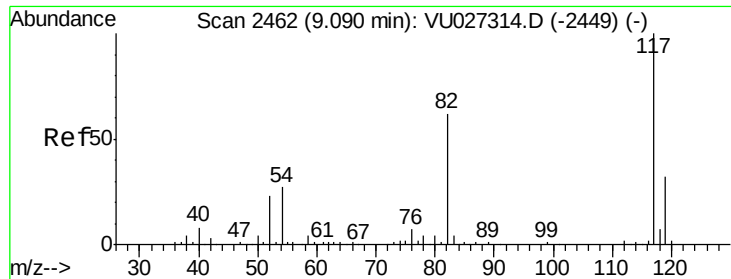
Ion Ratio Lower Upper

95 100

174 74.1 0.0 147.8

176 71.7 0.0 140.8





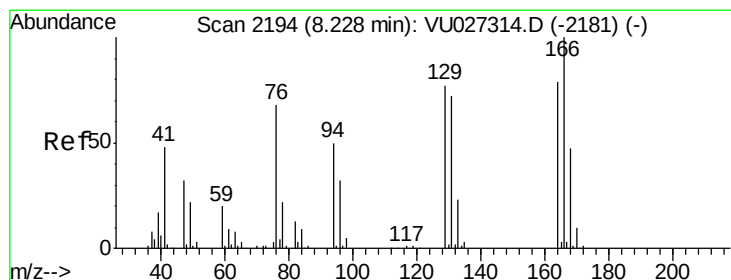
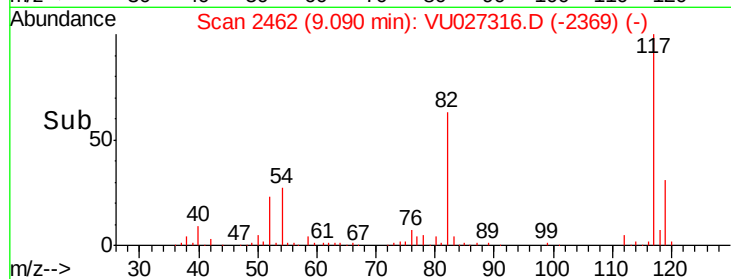
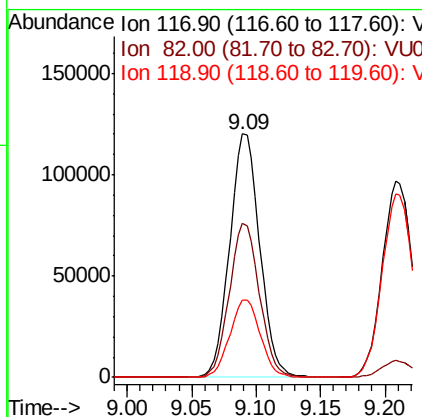
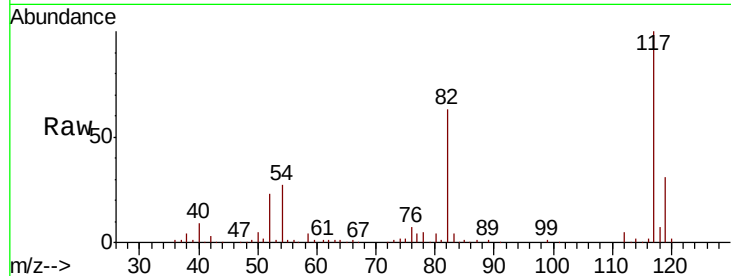
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	194604		
82	63.1	49.2	73.8	
119	31.5	25.7	38.5	

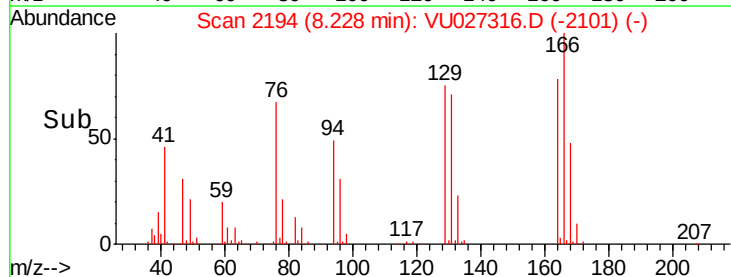
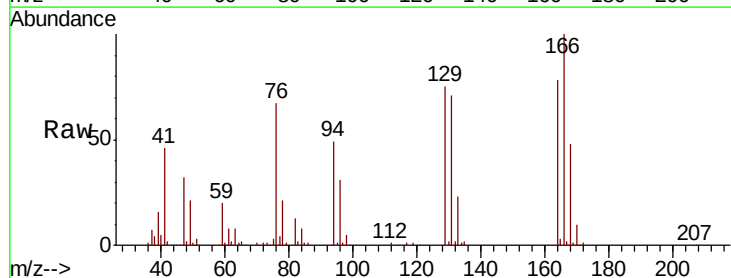
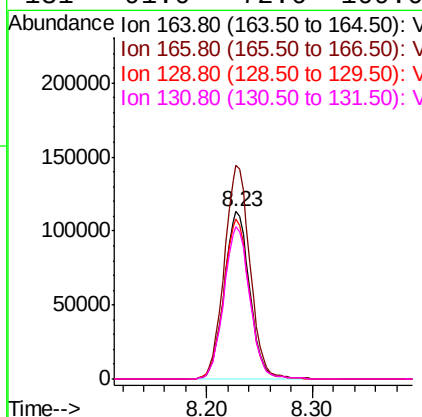
Manual Integrations
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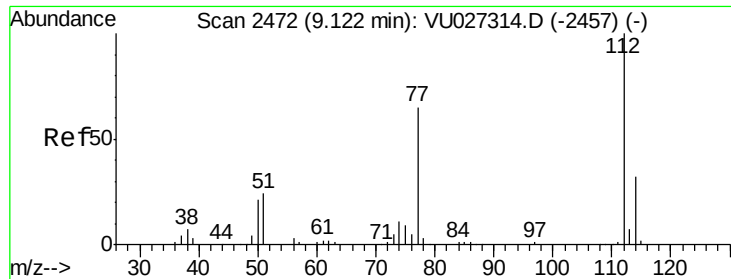
MMDadoda
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#64
Tetrachloroethene
Concen: 156.435 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	189512		
166	127.8	101.0	151.6	
129	95.5	78.0	117.0	
131	91.0	72.6	109.0	





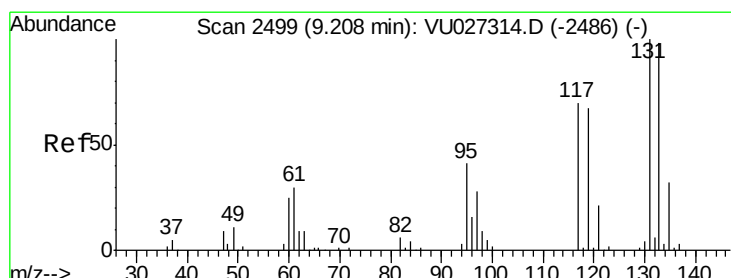
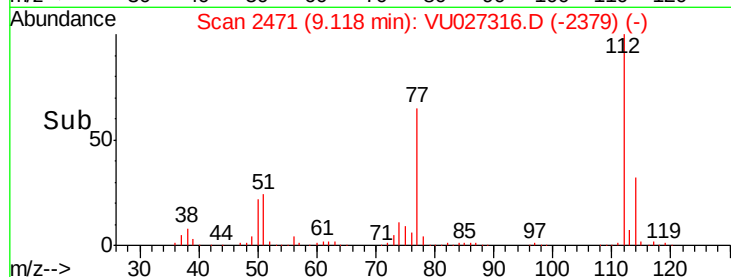
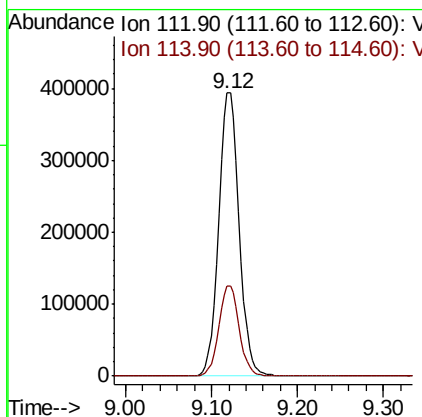
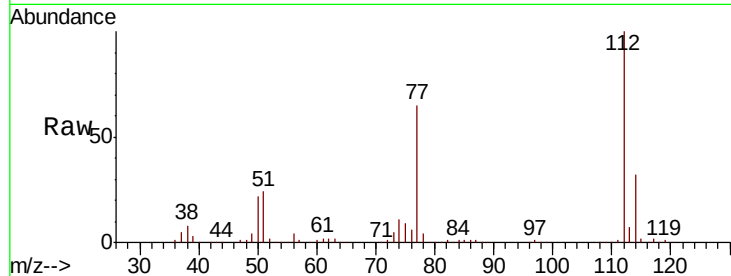
#65
Chlorobenzene
Concen: 158.439 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.8	38.6

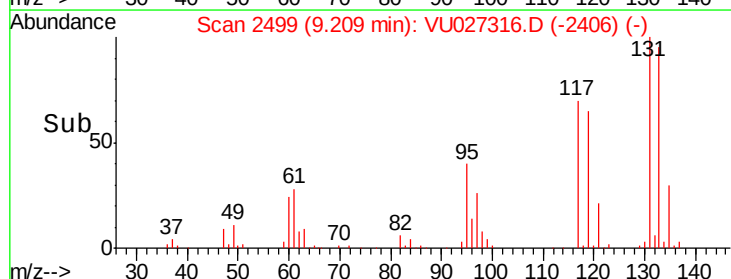
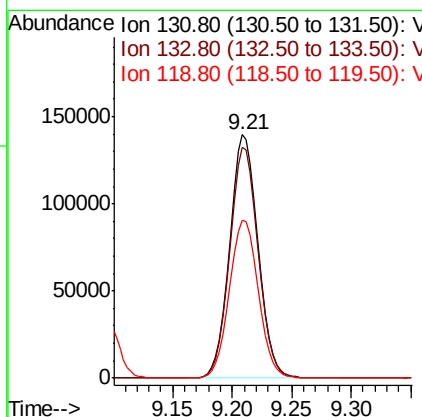
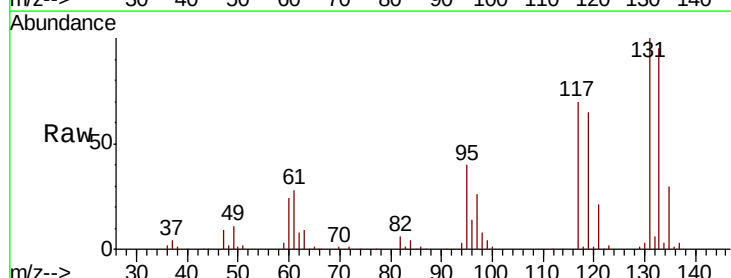
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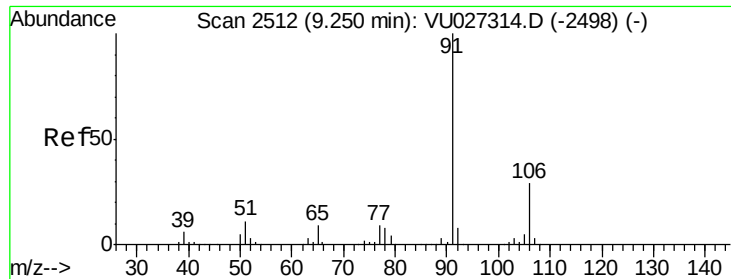
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#66
1,1,1,2-Tetrachloroethane
Concen: 162.426 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.5	145.6
119	66.7	33.5	100.4





#67

Ethyl Benzene

Concen: 165.803 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1203303

Ion Ratio Lower Upper

91 100

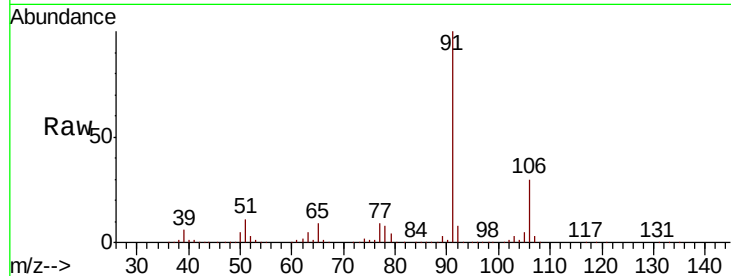
106 29.6 23.6 35.4

Manual Integrations

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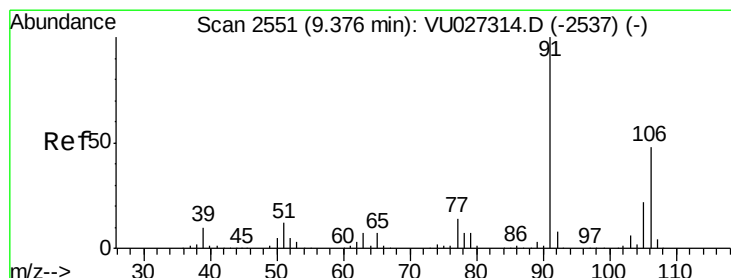
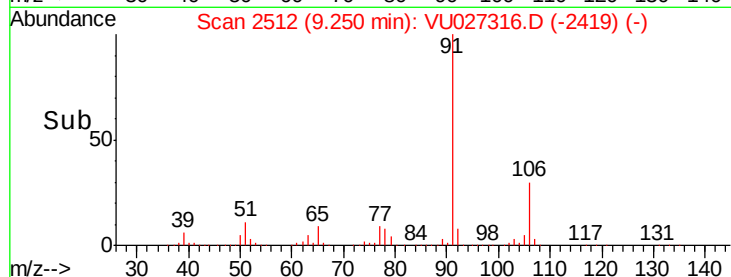
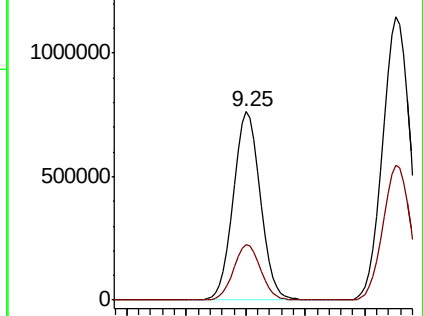
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VU027316.D (-2498) (-)

Ion 106.00 (105.70 to 106.70): VU027316.D (-2498) (-)



#68

m/p-Xylenes

Concen: 335.447 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027316.D

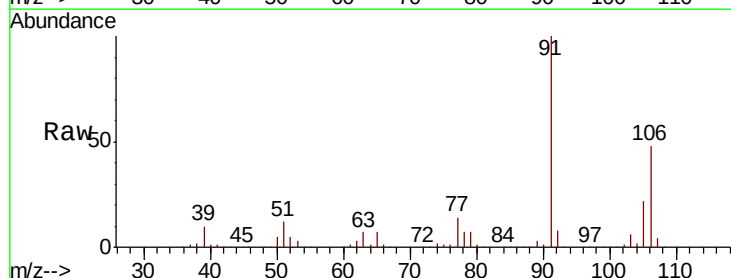
Acq: 01 Oct 2018 12:02

Tgt Ion: 106 Resp: 890499

Ion Ratio Lower Upper

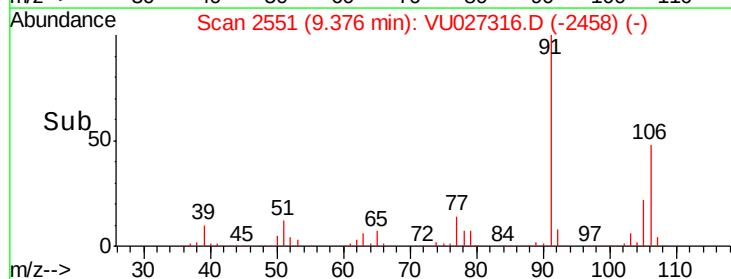
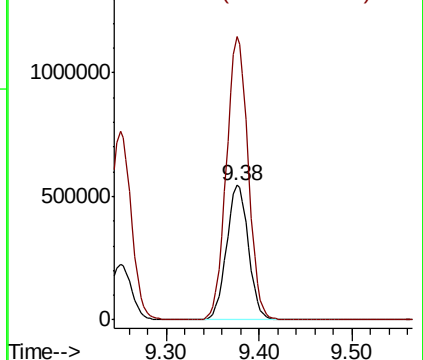
106 100

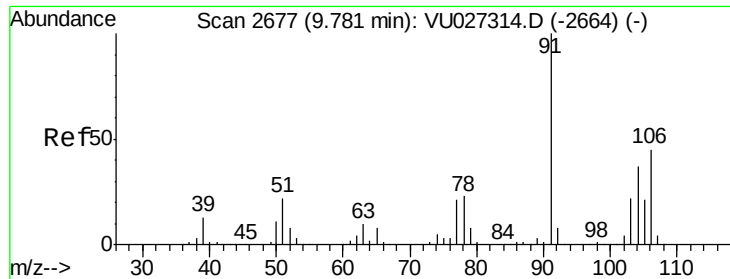
91 209.5 168.1 252.1



Abundance Ion 106.00 (105.70 to 106.70): VU027316.D (-2537) (-)

Ion 91.00 (90.70 to 91.70): VU027316.D (-2537) (-)





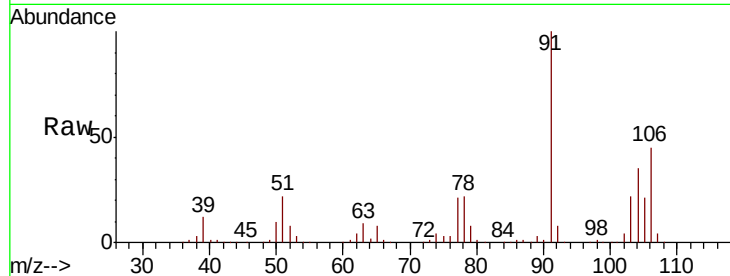
#69
o-Xylene
Concen: 171.566 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

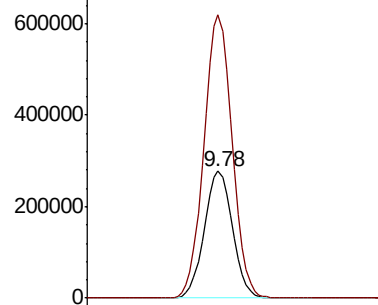
Tot Ion:106 Resp: 432809
Ion Ratio Lower Upper
106 100
91 222.8 111.7 334.9

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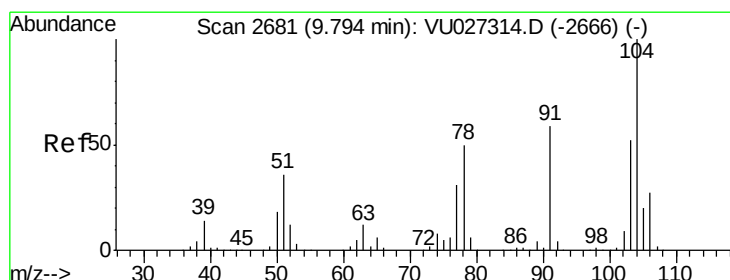
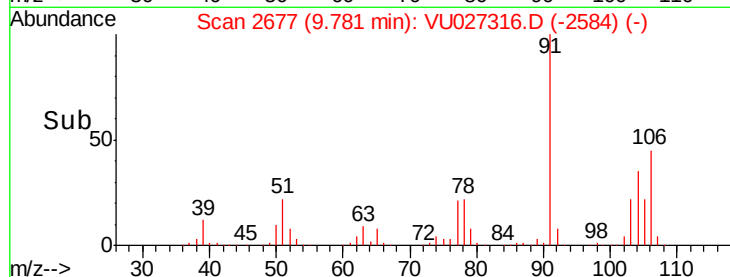
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

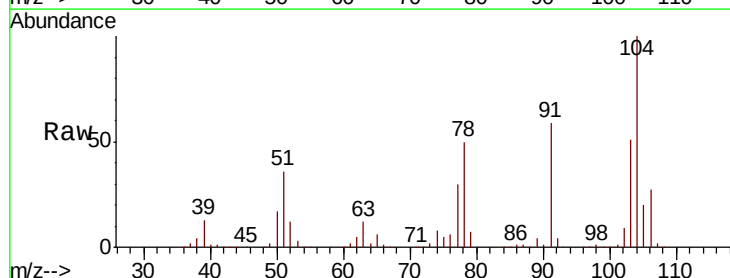


Time-->

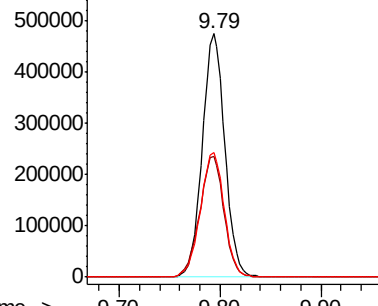


#70
Styrene
Concen: 178.971 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

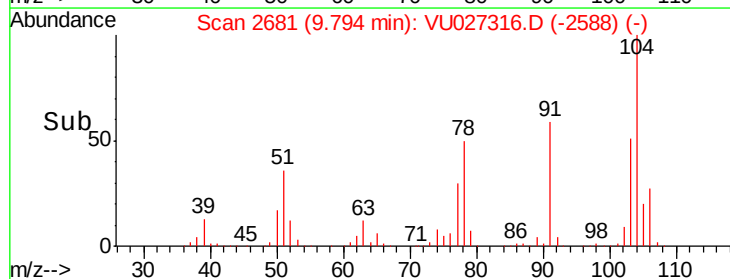
Tgt Ion:104 Resp: 741414
Ion Ratio Lower Upper
104 100
78 53.6 42.9 64.3
103 54.6 43.9 65.9

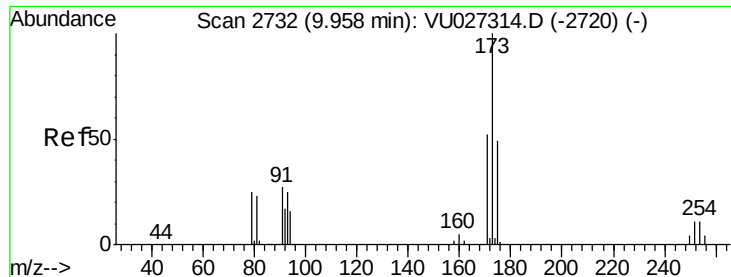


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 173.748 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 197678

Ion Ratio Lower Upper

173 100

175 48.6 24.3 73.0

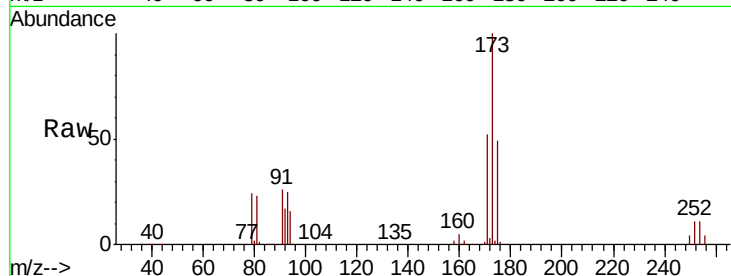
254 0.1 0.0 0.0#

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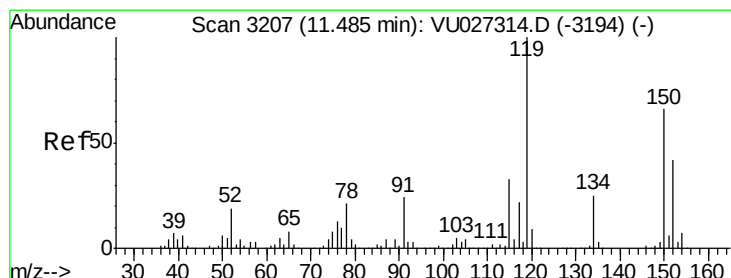
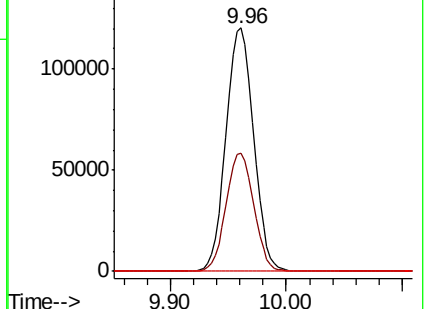
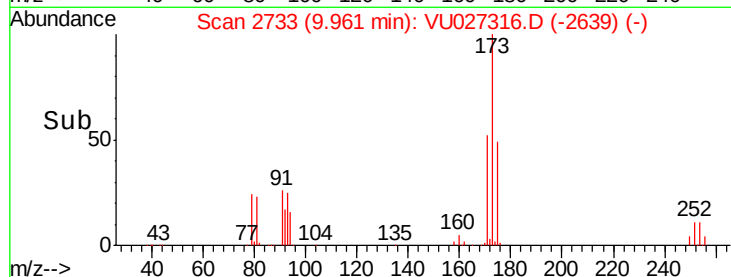
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

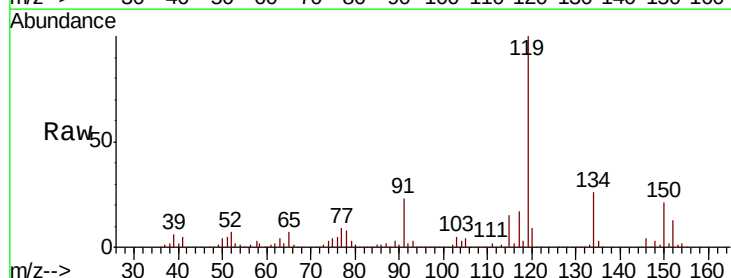
Tgt Ion:152 Resp: 104095

Ion Ratio Lower Upper

152 100

115 135.6 43.4 130.2#

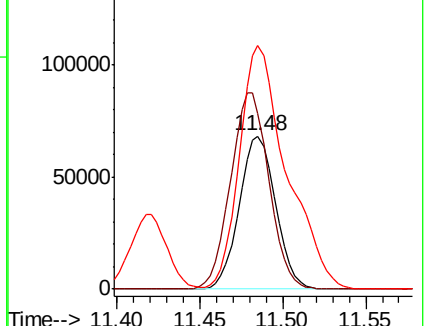
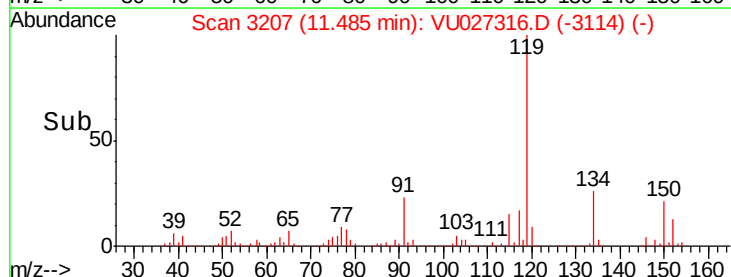
150 207.1 0.0 349.2

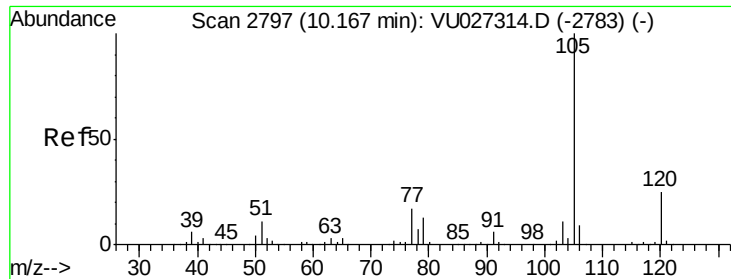


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 156.143 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1180483

Ion Ratio Lower Upper

105 100

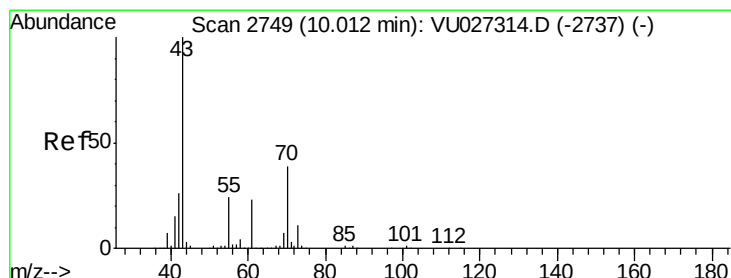
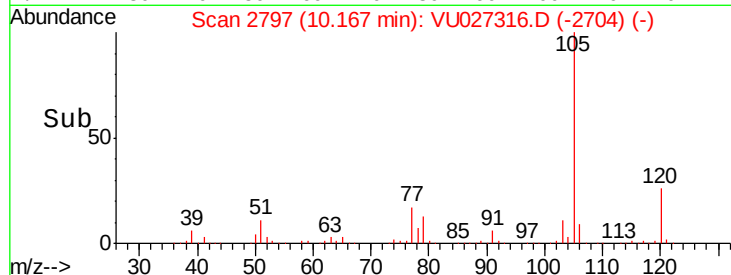
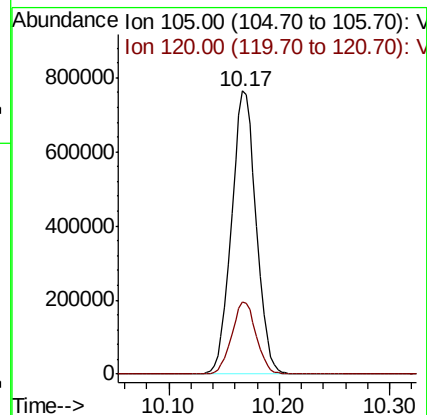
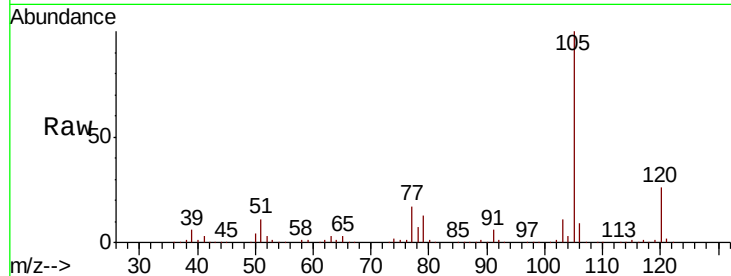
120 25.5 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 165.059 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Tgt Ion: 43 Resp: 714393

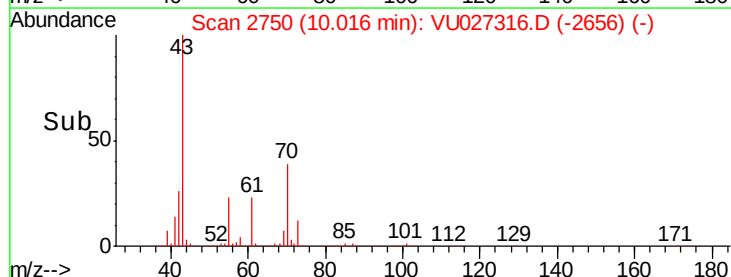
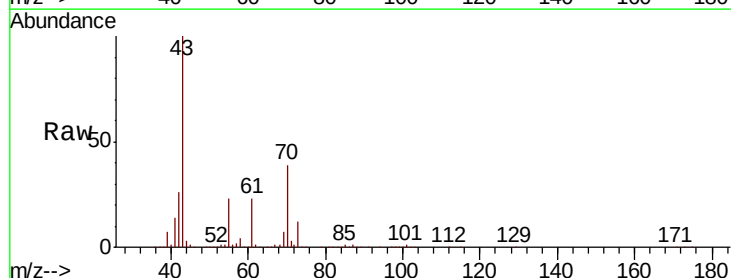
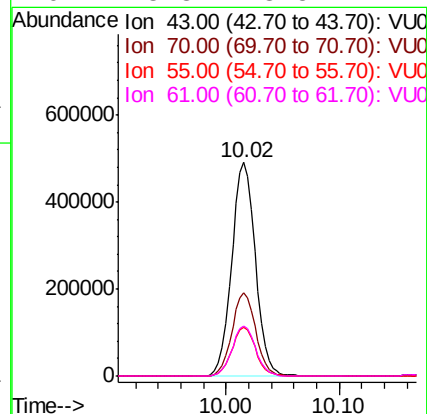
Ion Ratio Lower Upper

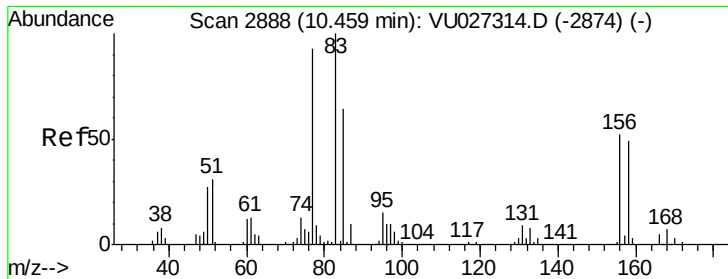
43 100

70 39.0 31.3 46.9

55 22.9 19.0 28.6

61 23.3 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 148.631 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

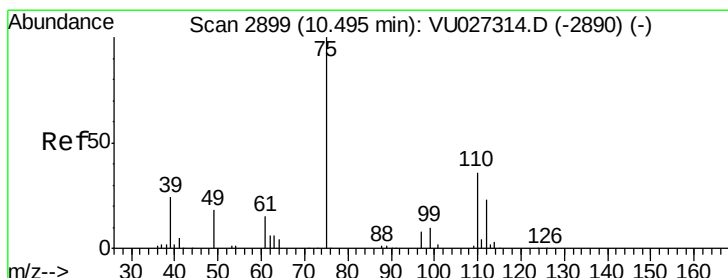
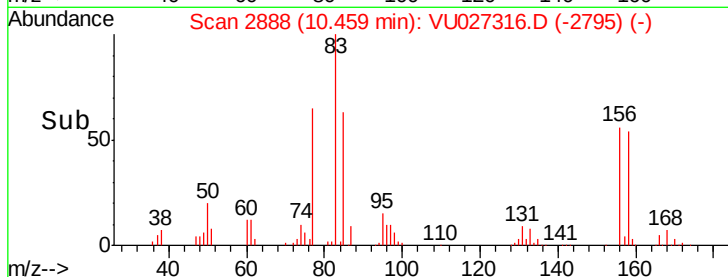
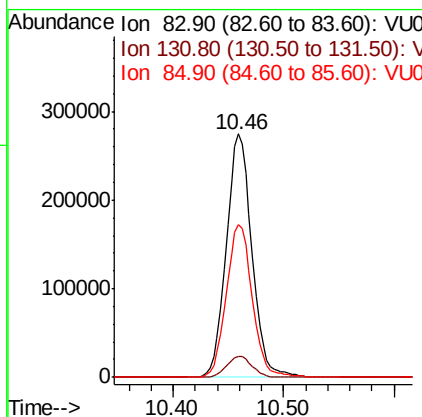
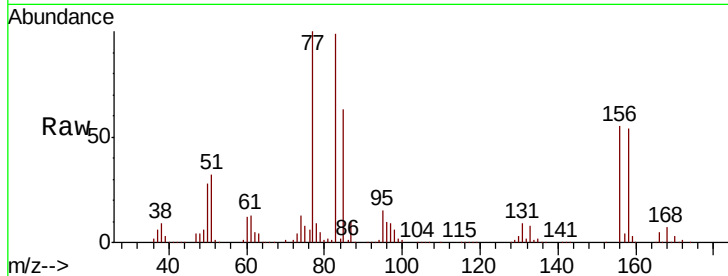
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	441227
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.4	13.2
85	63.9	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 138.528 ug/l m

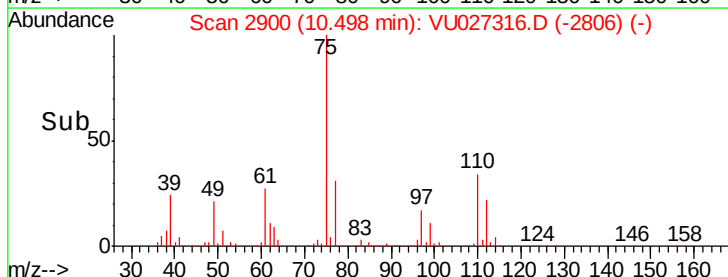
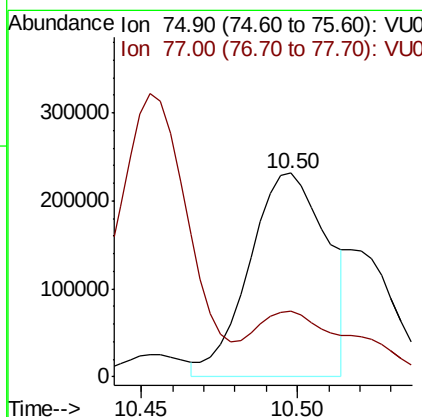
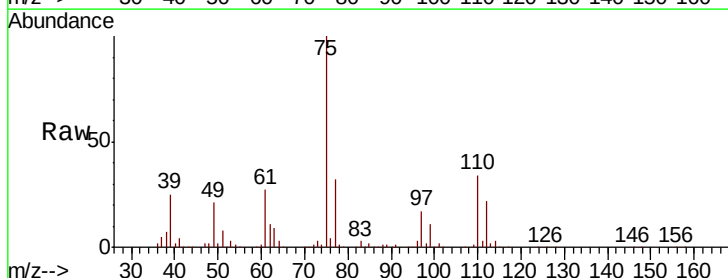
RT: 10.50 min Scan# 2900

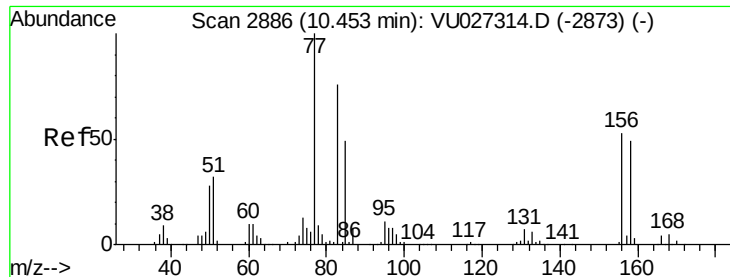
Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Tgt Ion:	75	Resp:	402005
Ion Ratio	Lower	Upper	
75	100		
77	41.2	20.3	60.9





#77

Bromobenzene

Concen: 154.119 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

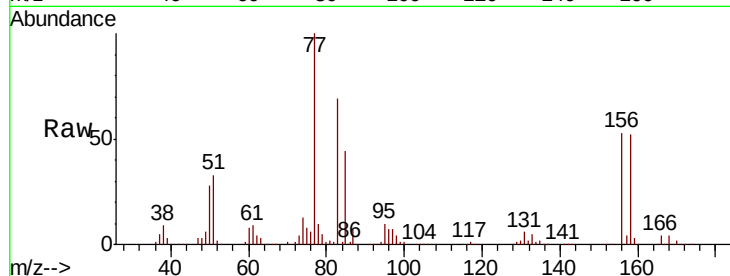
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	270793
Ion Ratio	Lower	Upper	
156	100		
77	187.4	94.8	284.4
158	97.6	47.4	142.3

Manual Integrations
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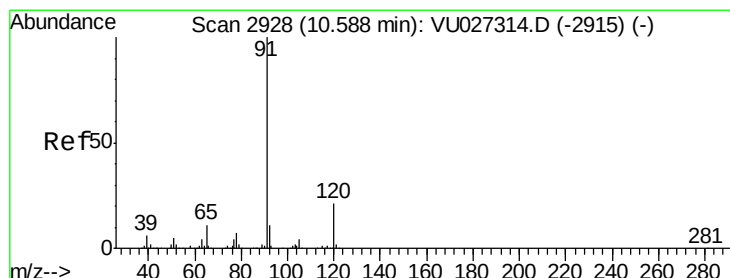
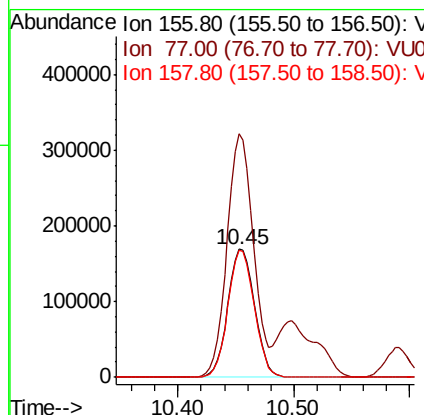
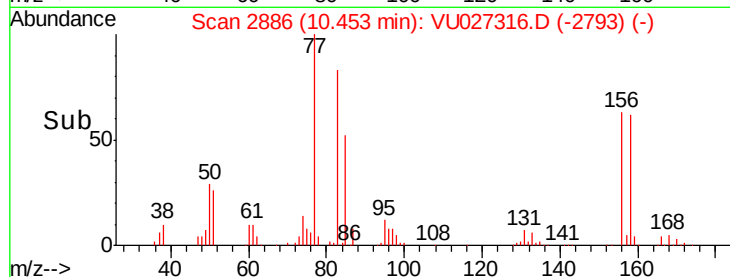
MMDadoda
10/3/2018 11:41:44 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 160.899 ug/l

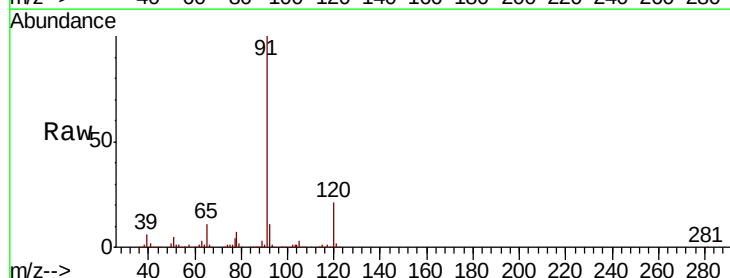
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027316.D

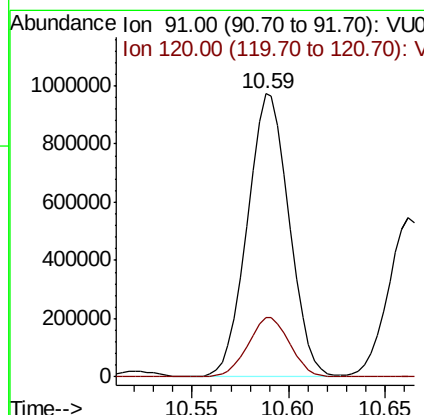
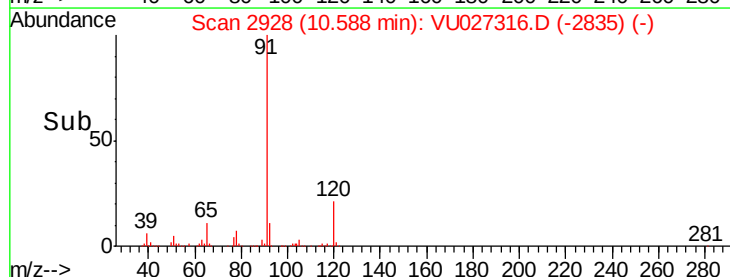
Acq: 01 Oct 2018 12:02

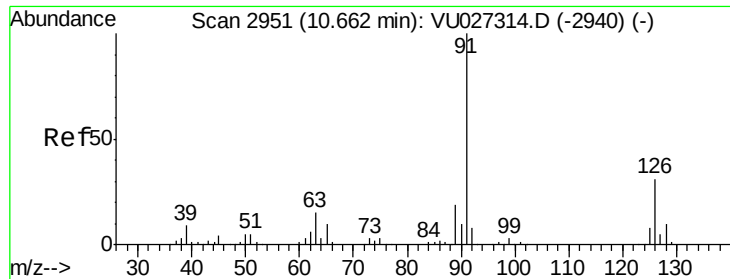
Tgt Ion:	91	Resp:	1461707
Ion Ratio	Lower	Upper	
91	100		
120	21.0	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





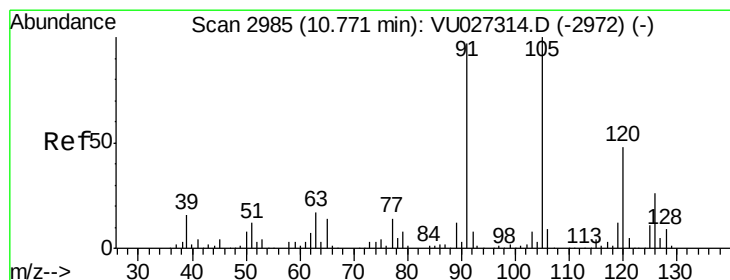
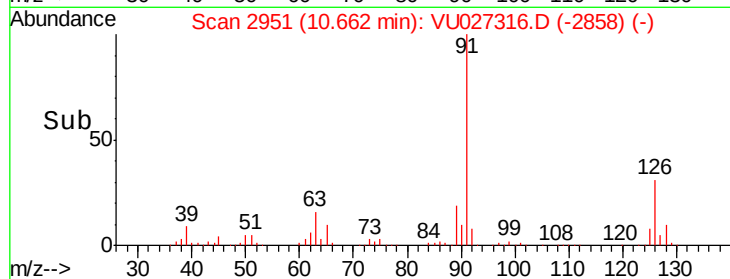
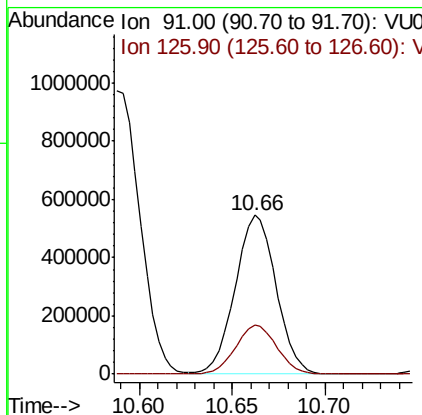
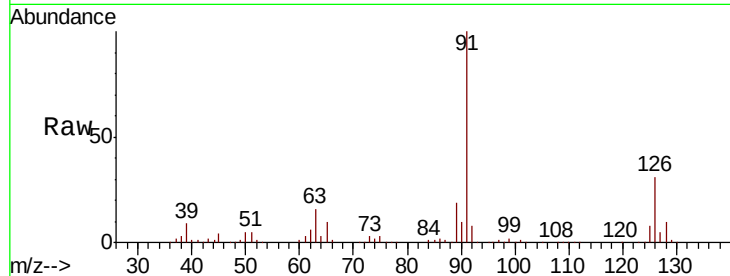
#79
 2-Chlorotoluene
 Concen: 152.367 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 835760
 Ion Ratio Lower Upper
 91 100
 126 31.0 15.7 47.1

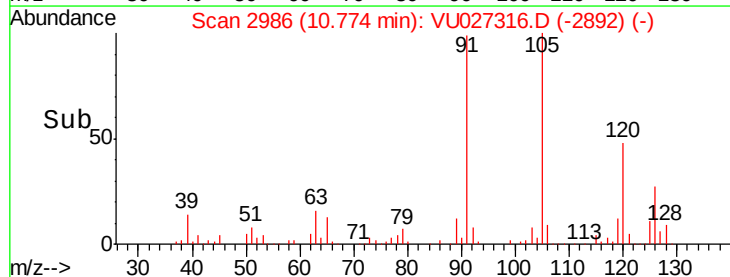
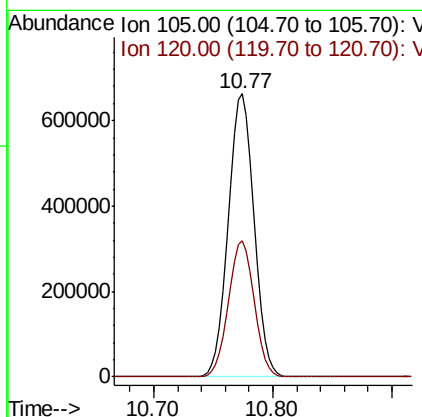
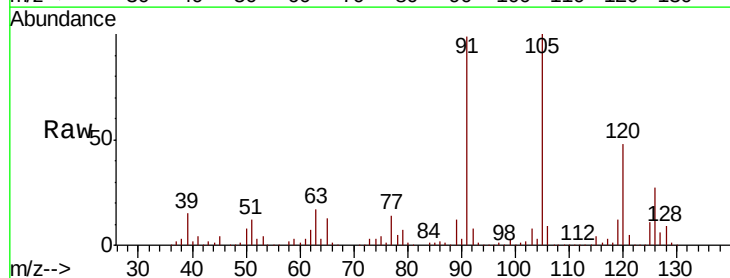
Manual Integrations
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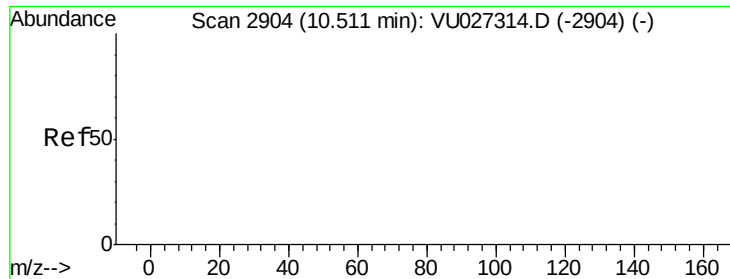
MMDadoda
 10/3/2018 11:41:44 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 161.802 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Tgt Ion: 105 Resp: 995925
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.4





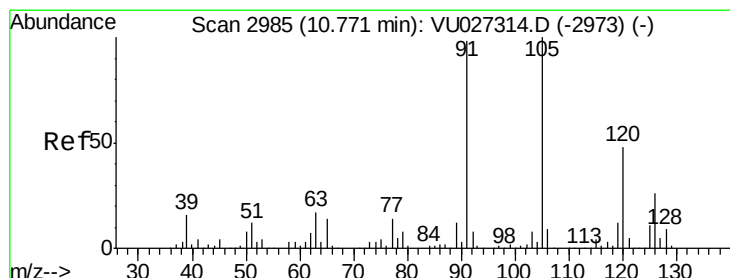
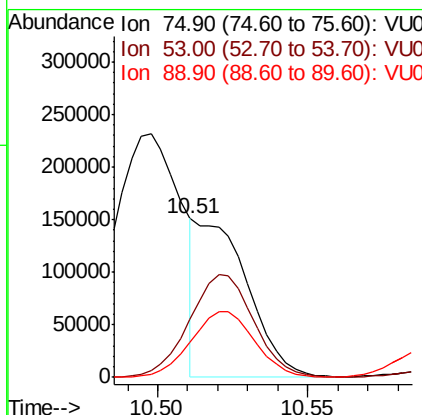
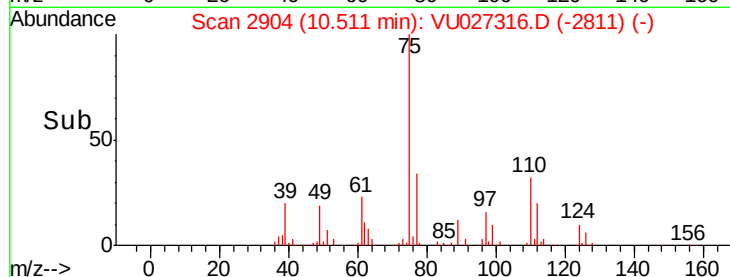
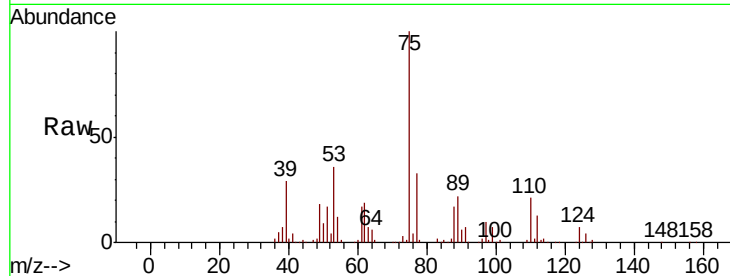
#81
trans-1,4-Dichloro-2-butene
Concen: 158.614 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

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

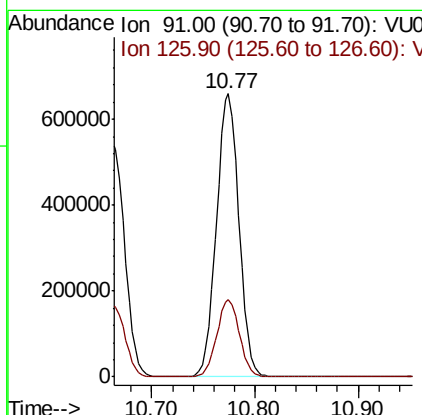
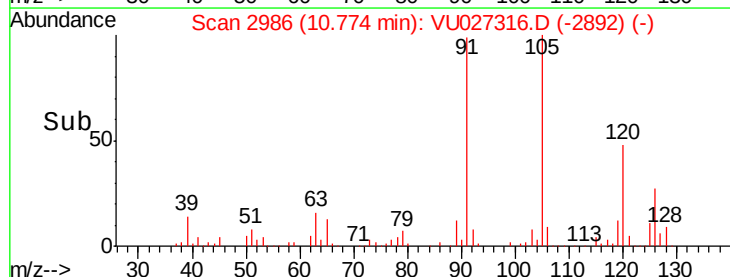
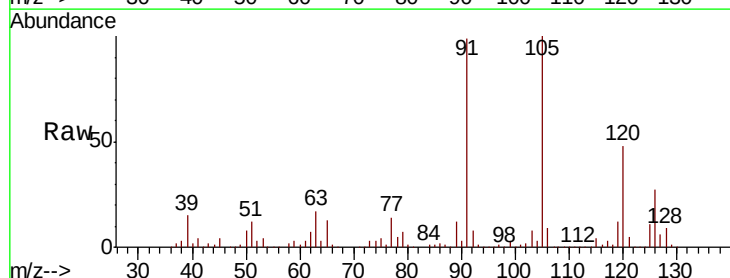
Manual Integrations
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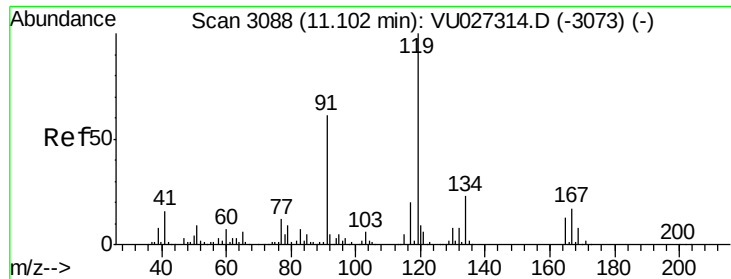
MMDadoda
10/3/2018 11:41:44 AM



#82
4-Chlorotoluene
Concen: 159.787 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.5	13.6	40.8





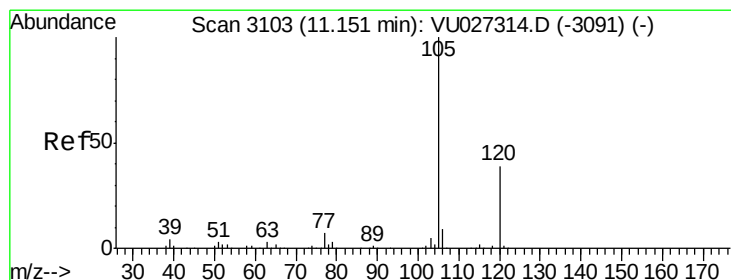
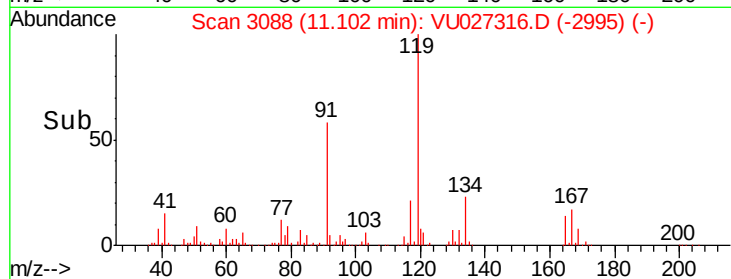
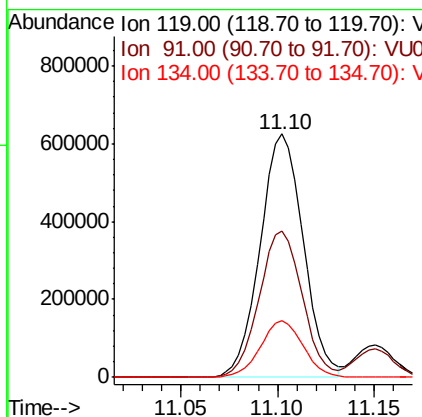
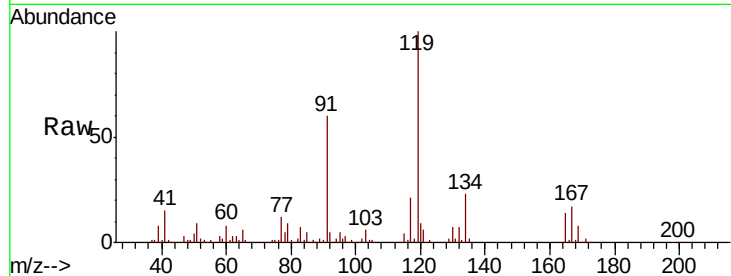
#83
 tert-Butylbenzene
 Concen: 162.834 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
119	100	968933		
91	60.1	30.3	91.0	
134	22.8	11.5	34.4	

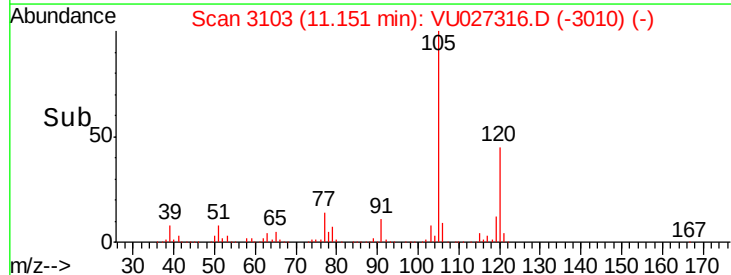
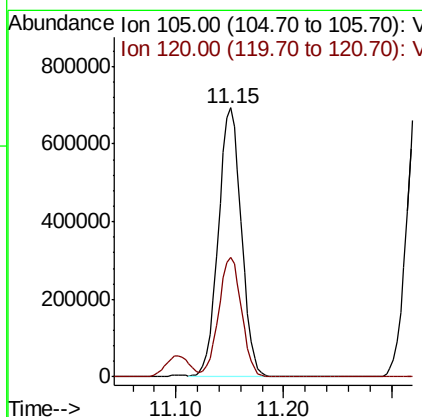
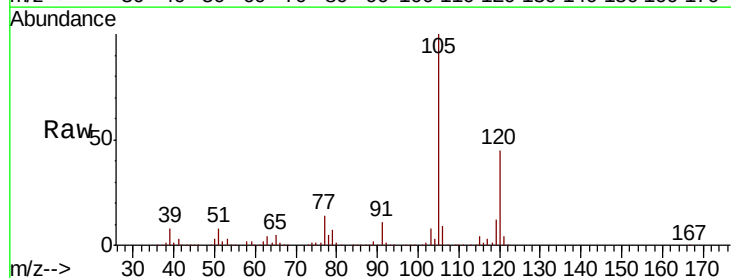
Manual Integrations
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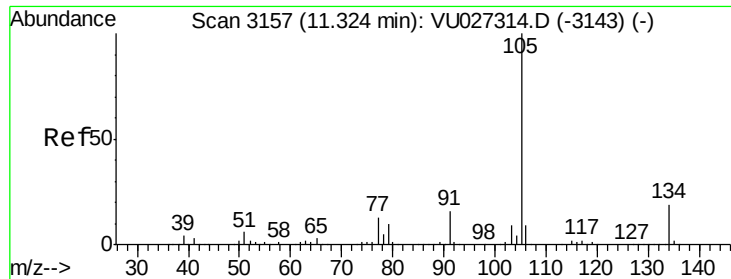
MMDadoda
 10/3/2018 11:41:44 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 162.560 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1022095		
120	44.5	22.1	66.5	





#85

sec-Butylbenzene

Concen: 165.239 ug/l

RT: 11.33 min Scan# 3158

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1238867

Ion Ratio Lower Upper

105 100

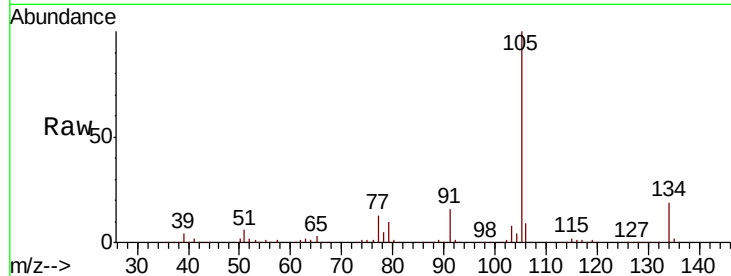
134 18.9 9.6 28.6

Manual Integrations

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MMDadoda

10/3/2018 11:41:44 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

800000

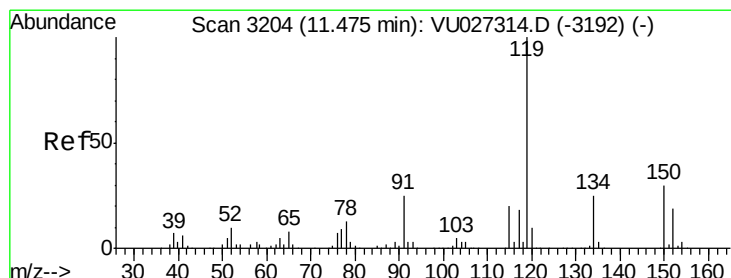
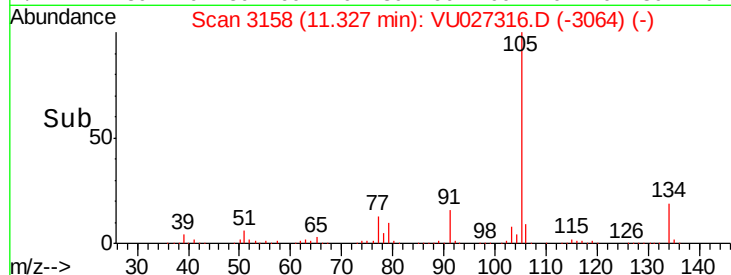
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 166.164 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU027316.D

Acq: 01 Oct 2018 12:02

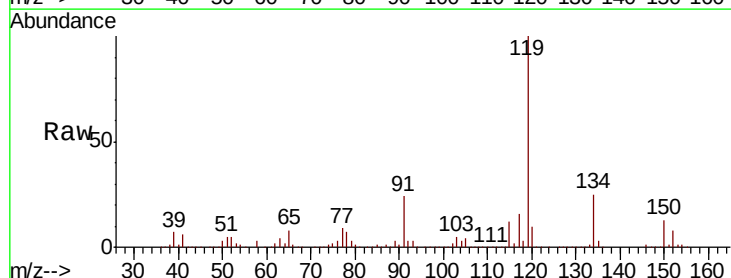
Tgt Ion:119 Resp: 1066665

Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.1

91 24.2 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.48

800000

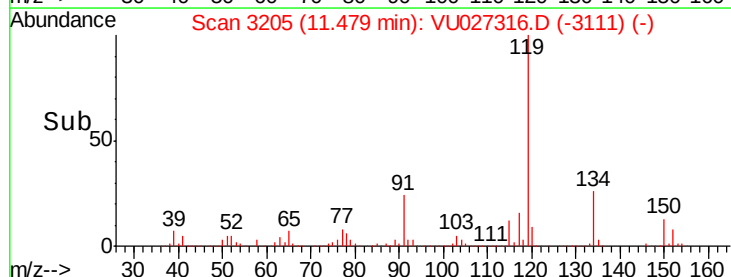
600000

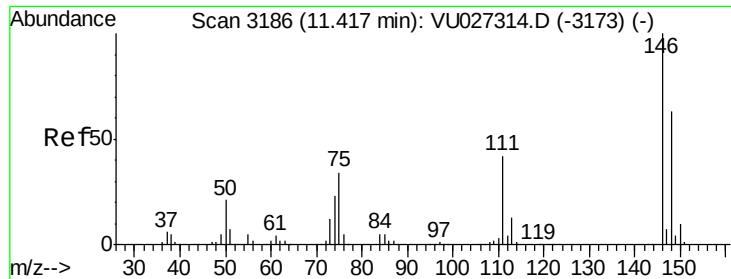
400000

200000

0

Time-->





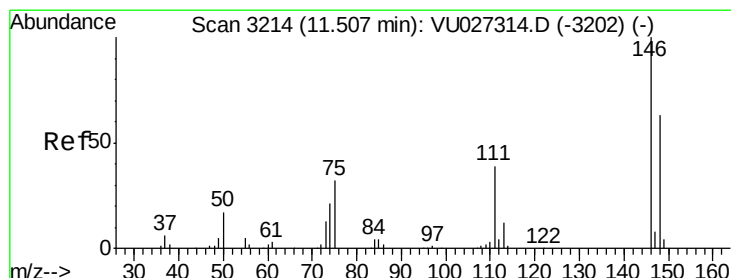
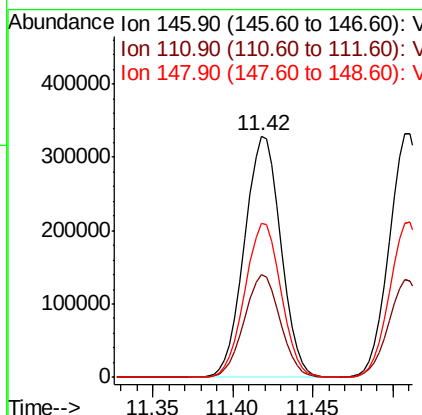
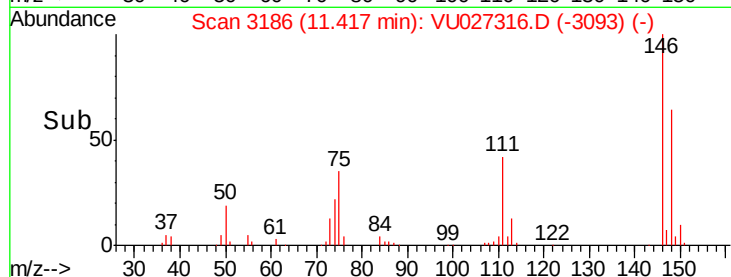
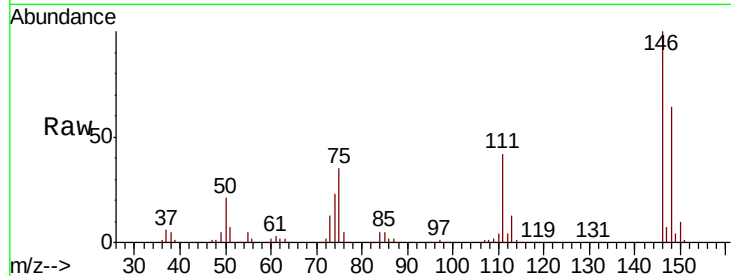
#87
 1,3-Dichlorobenzene
 Concen: 153.441 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.8	62.5
148	63.7	31.6	94.8

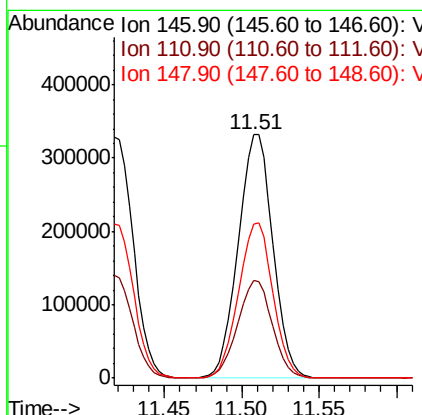
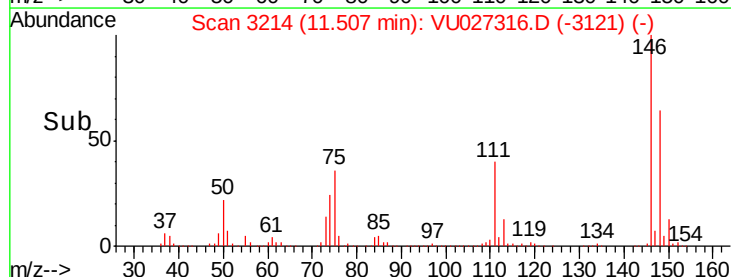
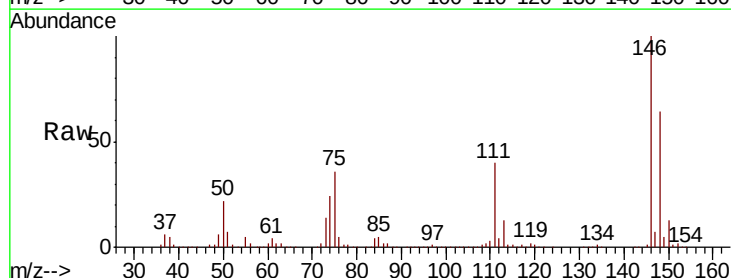
Manual Integrations
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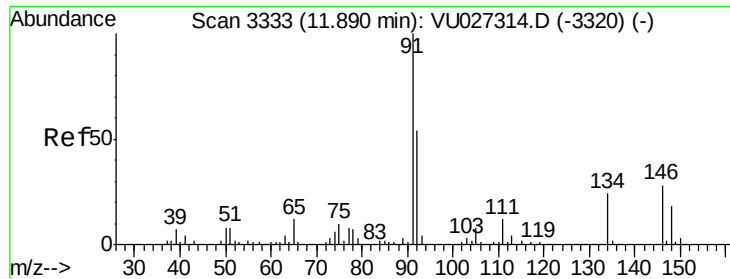
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 152.025 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.4	61.2
148	63.4	31.9	95.5





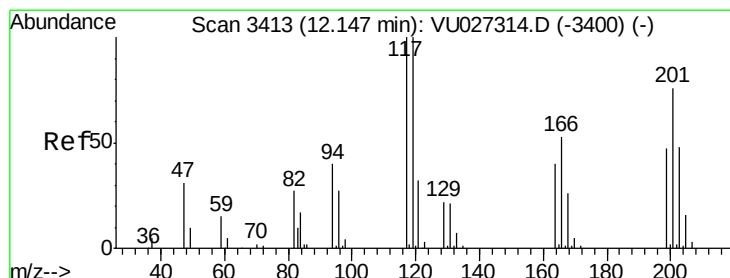
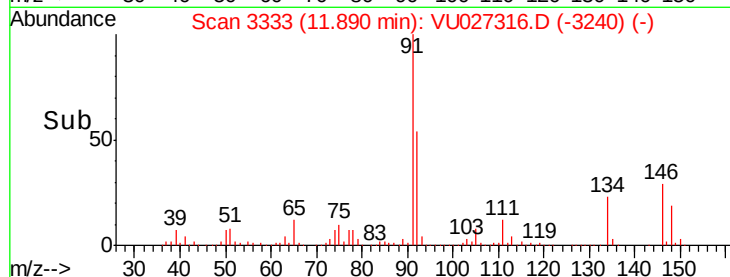
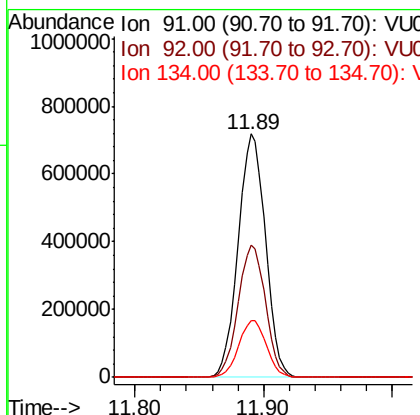
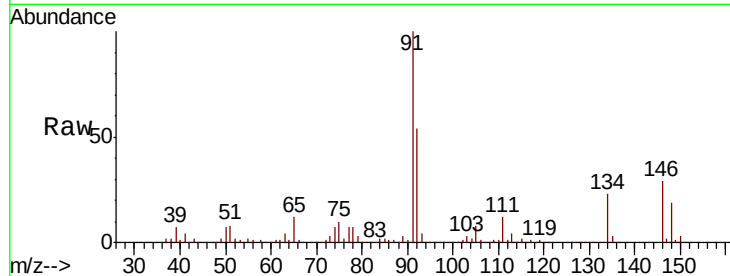
#89
n-Butylbenzene
Concen: 176.467 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.0	81.0
134	23.5	11.7	35.1

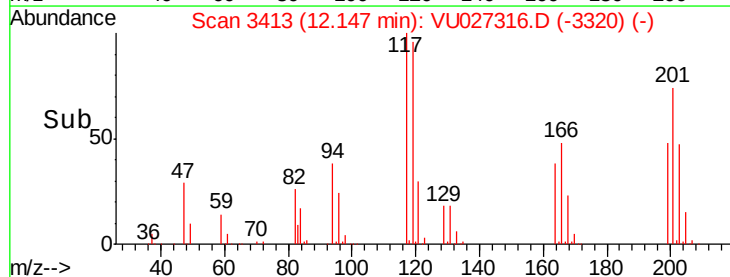
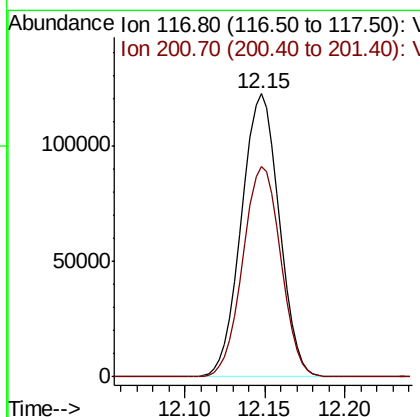
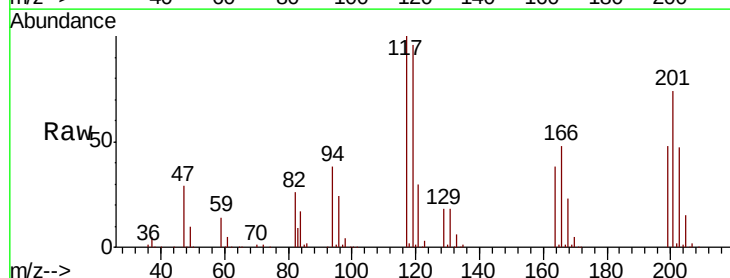
Manual Integrations
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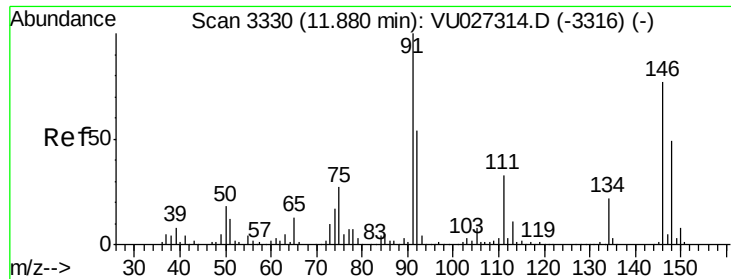
MMDadoda
10/3/2018 11:41:44 AM



#90
Hexachloroethane
Concen: 162.885 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.7	37.9	113.6





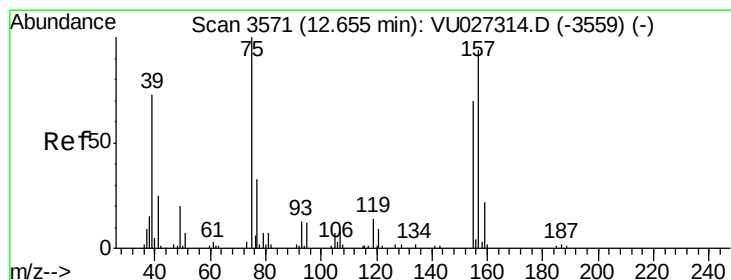
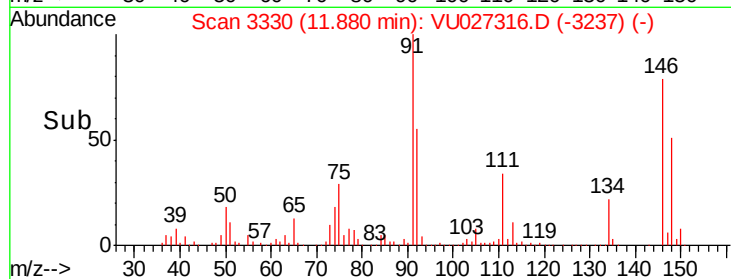
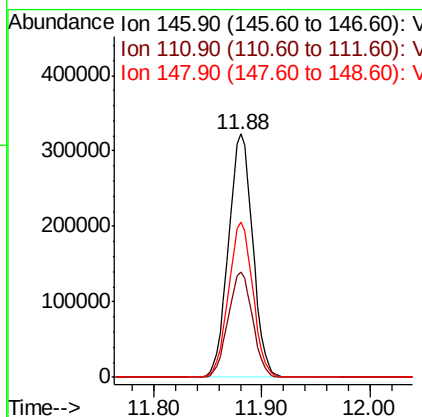
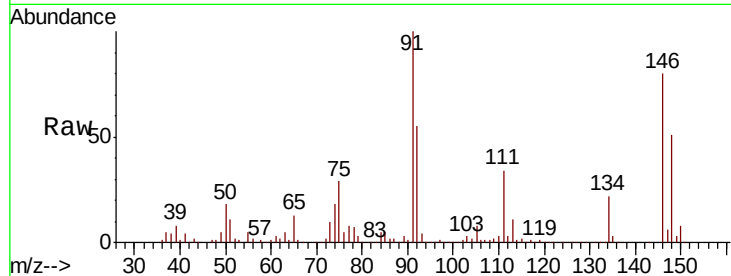
#91
 1,2-Dichlorobenzene
 Concen: 156.336 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.8	65.4
148	63.9	31.9	95.5

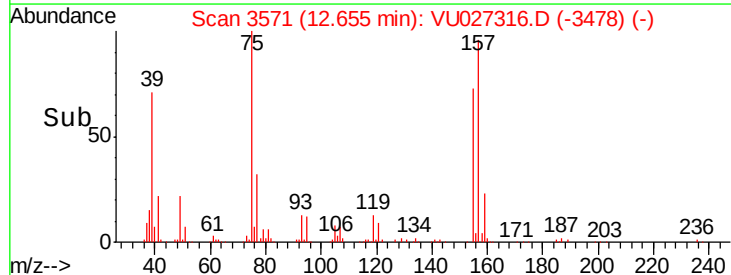
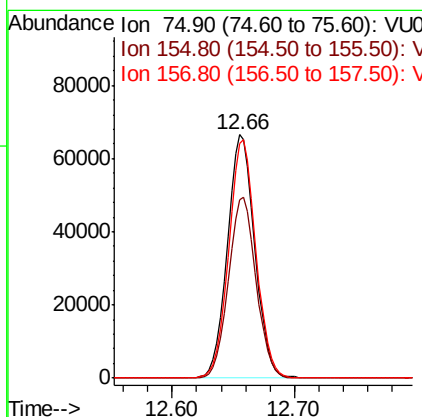
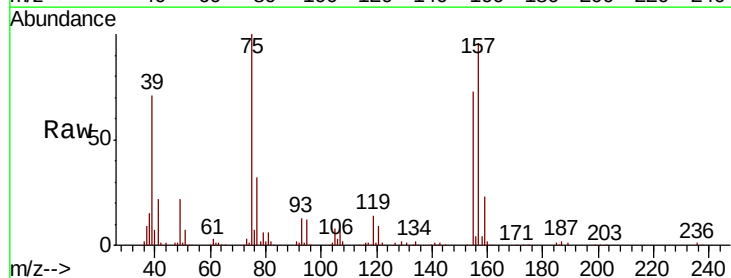
Manual Integrations
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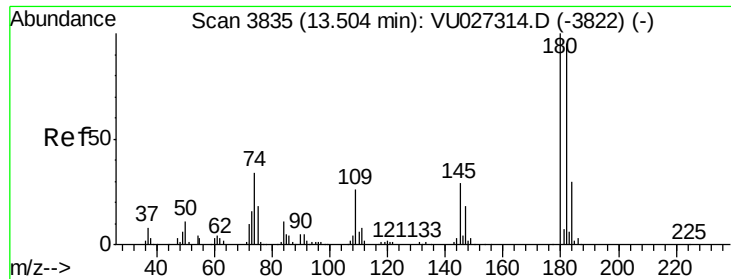
MMDadoda
 10/3/2018 11:41:44 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 158.617 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.9	35.9	107.8
157	96.8	46.9	140.6





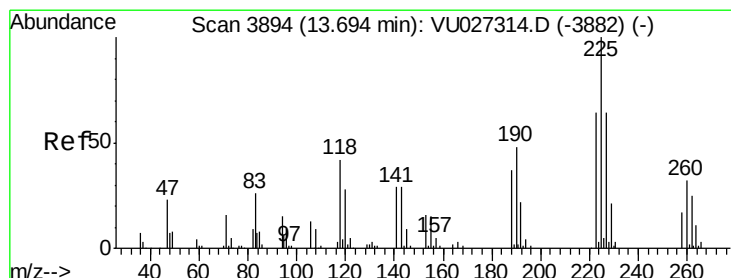
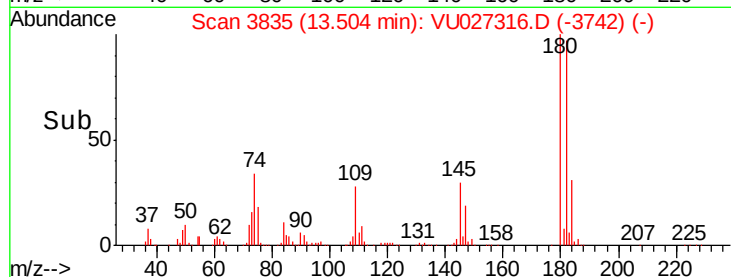
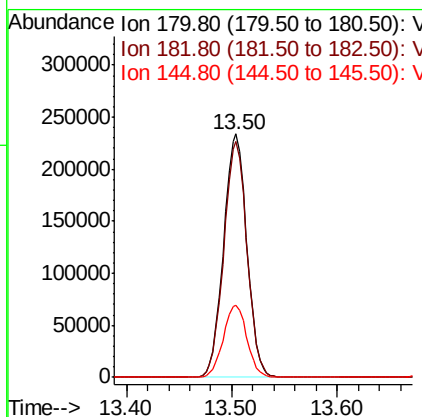
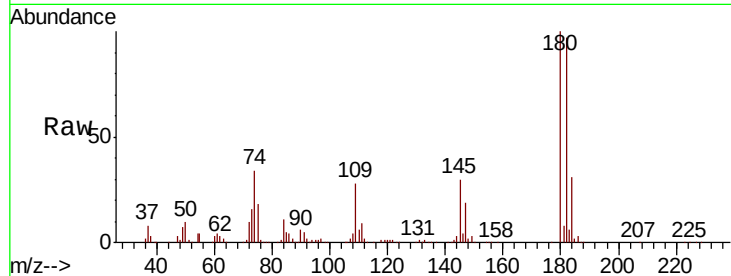
#93
 1,2,4-Trichlorobenzene
 Concen: 170.643 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.4	142.3
145	30.0	14.6	44.0

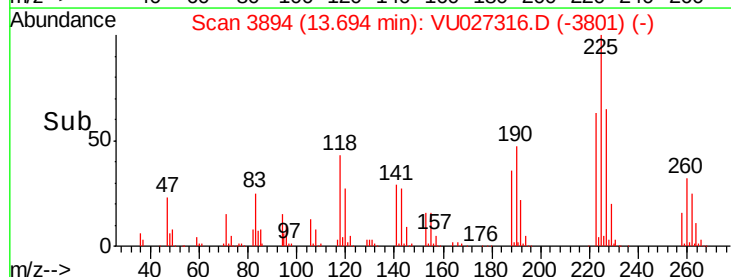
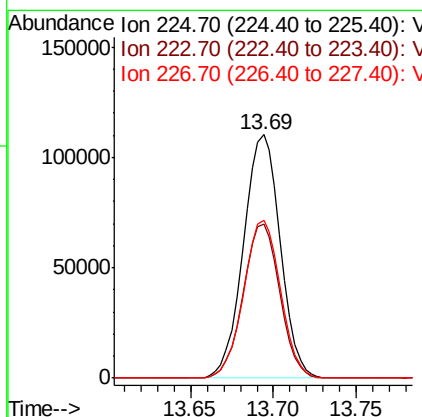
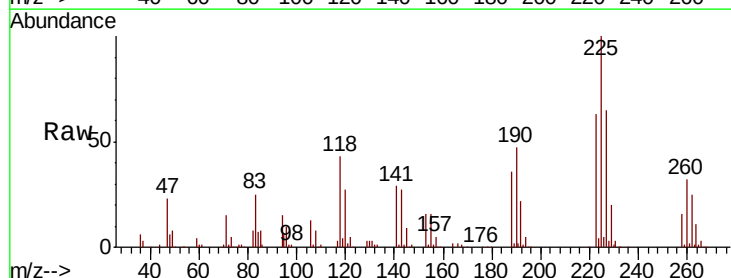
Manual Integrations
 APPROVED

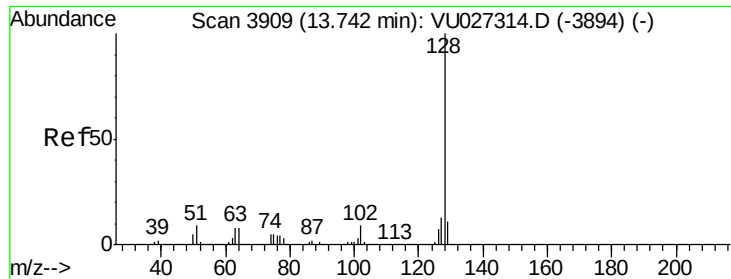
MMDadoda
 10/3/2018 11:41:44 AM



#94
 Hexachlorobutadiene
 Concen: 161.119 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027316.D
 Acq: 01 Oct 2018 12:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.8	95.3
227	64.7	31.9	95.7





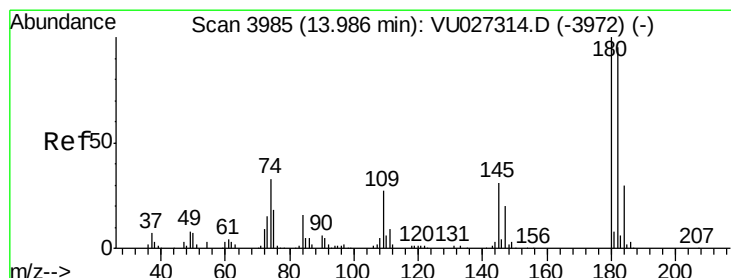
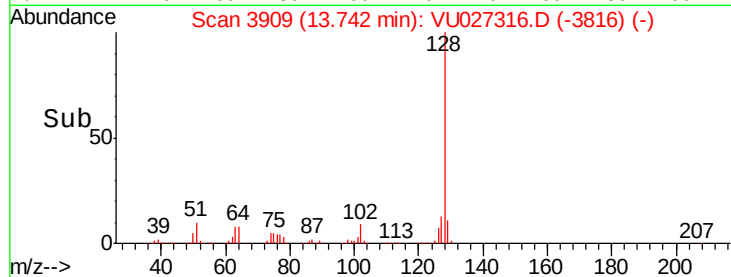
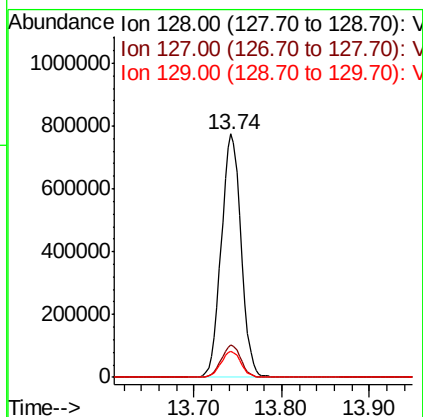
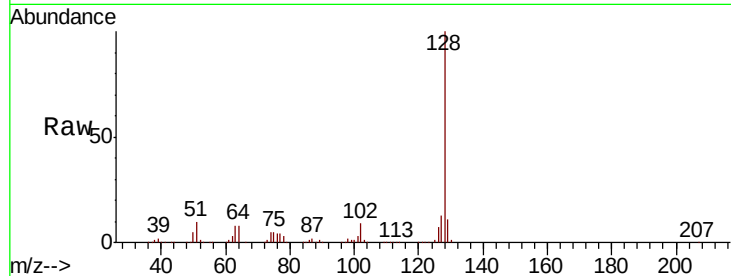
#95
Naphthalene
Concen: 172.800 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/3/2018 11:41:44 AM



#96
1,2,3-Trichlorobenzene
Concen: 163.166 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027316.D
Acq: 01 Oct 2018 12:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.2
145	31.9	15.9	47.7

