

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100118\
 Data File : VU027314.D
 Acq On : 01 Oct 2018 11:16
 Operator : MD/SY
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 11:41:43 AM

Quant Time: Oct 01 23:40:04 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	119994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	204306	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	194100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	95385	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	94842	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
35) Dibromofluoromethane	4.88	113	67182	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	7.57	98	266378	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	10.31	95	96373	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.21	85	98474	56.922	ug/l 100
3) Chloromethane	1.33	50	124352	53.093	ug/l 100
4) Vinyl Chloride	1.40	62	117497	53.367	ug/l 100
5) Bromomethane	1.62	94	47088	49.428	ug/l 100
6) Chloroethane	1.69	64	66329	50.136	ug/l 100
7) Trichlorofluoromethane	1.88	101	117790	52.728	ug/l 100
8) Diethyl Ether	2.11	74	53347	51.841	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	69040	53.217	ug/l 100
10) Methyl Iodide	2.41	142	51905	54.961	ug/l 100
11) Tert butyl alcohol	2.83	59	105586	250.237	ug/l 100
12) 1,1-Dichloroethene	2.28	96	67002	52.862	ug/l 100
13) Acrolein	2.20	56	87418	246.906	ug/l 100
14) Allyl chloride	2.59	41	159723	53.066	ug/l 100
15) Acrylonitrile	2.94	53	291064	265.036	ug/l 100
16) Acetone	2.32	43	304080	256.889	ug/l 100
17) Carbon Disulfide	2.48	76	234724	51.347	ug/l 100
18) Methyl Acetate	2.62	43	136923	50.706	ug/l 100
19) Methyl tert-butyl Ether	3.00	73	267019	52.577	ug/l 100
20) Methylene Chloride	2.70	84	84537	51.271	ug/l 100
21) trans-1,2-Dichloroethene	2.98	96	74018	52.015	ug/l 100
22) Diisopropyl ether	3.58	45	326609	53.388	ug/l 100
23) Vinyl Acetate	3.53	43	1454108	272.175	ug/l 100
24) 1,1-Dichloroethane	3.45	63	166960	53.089	ug/l 100
25) 2-Butanone	4.26	43	436247	270.262	ug/l 100
26) 2,2-Dichloropropane	4.23	77	133192	51.541	ug/l 100
27) cis-1,2-Dichloroethene	4.23	96	85161	52.331	ug/l 100
28) Bromochloromethane	4.55	49	82208	54.180	ug/l 100
29) Tetrahydrofuran	4.64	42	272902	268.270	ug/l 100
30) Chloroform	4.67	83	148108	53.006	ug/l 100
31) Cyclohexane	5.00	56	163994	44.591	ug/l 100
32) 1,1,1-Trichloroethane	4.92	97	125238	53.219	ug/l 100
36) 1,1-Dichloropropene	5.14	75	116036	52.309	ug/l 100
37) Ethyl Acetate	4.38	43	149756	54.748	ug/l 100
38) Carbon Tetrachloride	5.14	117	105429	52.614	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	138964	53.590	ug/l	100
40) Benzene	5.39	78	339457	52.534	ug/l	100
41) Methacrylonitrile	4.54	41	86980	53.677	ug/l	100
42) 1,2-Dichloroethane	5.40	62	127527	53.169	ug/l	100
43) Isopropyl Acetate	5.55	43	244265	54.858	ug/l	100
44) Trichloroethene	6.19	130	75789	52.601	ug/l	100
45) 1,2-Dichloropropane	6.43	63	100093	53.705	ug/l	100
46) Dibromomethane	6.56	93	57019	54.169	ug/l	100
47) Bromodichloromethane	6.76	83	117649	53.864	ug/l	100
48) Methyl methacrylate	6.62	41	122692	55.410	ug/l	100
49) 1,4-Dioxane	6.61	88	41830	1097.962	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	792621	273.942	ug/l	100
52) Toluene	7.64	92	204369	53.435	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	138734	54.174	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	149752	54.395	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	81383	53.669	ug/l	100
56) Ethyl methacrylate	8.02	69	143984	57.213	ug/l	100
57) 1,3-Dichloropropane	8.24	76	155401	52.790	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	394873	280.875	ug/l	100
59) 2-Hexanone	8.36	43	617114	274.949	ug/l	100
60) Dibromochloromethane	8.48	129	81418	53.534	ug/l	100
61) 1,2-Dibromoethane	8.59	107	86265	53.505	ug/l	100
64) Tetrachloroethene	8.23	164	63671	52.694	ug/l	100
65) Chlorobenzene	9.12	112	210967	51.636	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	74666	52.938	ug/l	100
67) Ethyl Benzene	9.25	91	389663	53.831	ug/l	100
68) m/p-Xylenes	9.38	106	288930	109.121	ug/l	100
69) o-Xylene	9.78	106	139566	55.468	ug/l	100
70) Styrene	9.79	104	231919	56.129	ug/l	100
71) Bromoform	9.96	173	59922	52.805	ug/l	# 100
73) Isopropylbenzene	10.17	105	378655	54.658	ug/l	100
74) N-amyl acetate	10.01	43	216254	54.527	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	140294	51.575	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	130571m	49.102	ug/l	
77) Bromobenzene	10.45	156	84968	52.774	ug/l	100
78) n-propylbenzene	10.59	91	460154	55.277	ug/l	100
79) 2-Chlorotoluene	10.66	91	267300	53.181	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	311205	55.177	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	46869m	45.424	ug/l	
82) 4-Chlorotoluene	10.77	91	310963	54.518	ug/l	100
83) tert-Butylbenzene	11.10	119	301108	55.223	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	320817	55.684	ug/l	100
85) sec-Butylbenzene	11.32	105	383205	55.779	ug/l	100
86) p-Isopropyltoluene	11.48	119	329322	55.986	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	159463	52.306	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	161168	51.734	ug/l	100
89) n-Butylbenzene	11.89	91	312834	57.016	ug/l	100
90) Hexachloroethane	12.15	117	59160	53.357	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	157361	53.028	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	32689	54.223	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	106715	55.576	ug/l	100
94) Hexachlorobutadiene	13.69	225	51505	53.090	ug/l	100
95) Naphthalene	13.74	128	362900	56.372	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	110027	55.001	ug/l	100

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

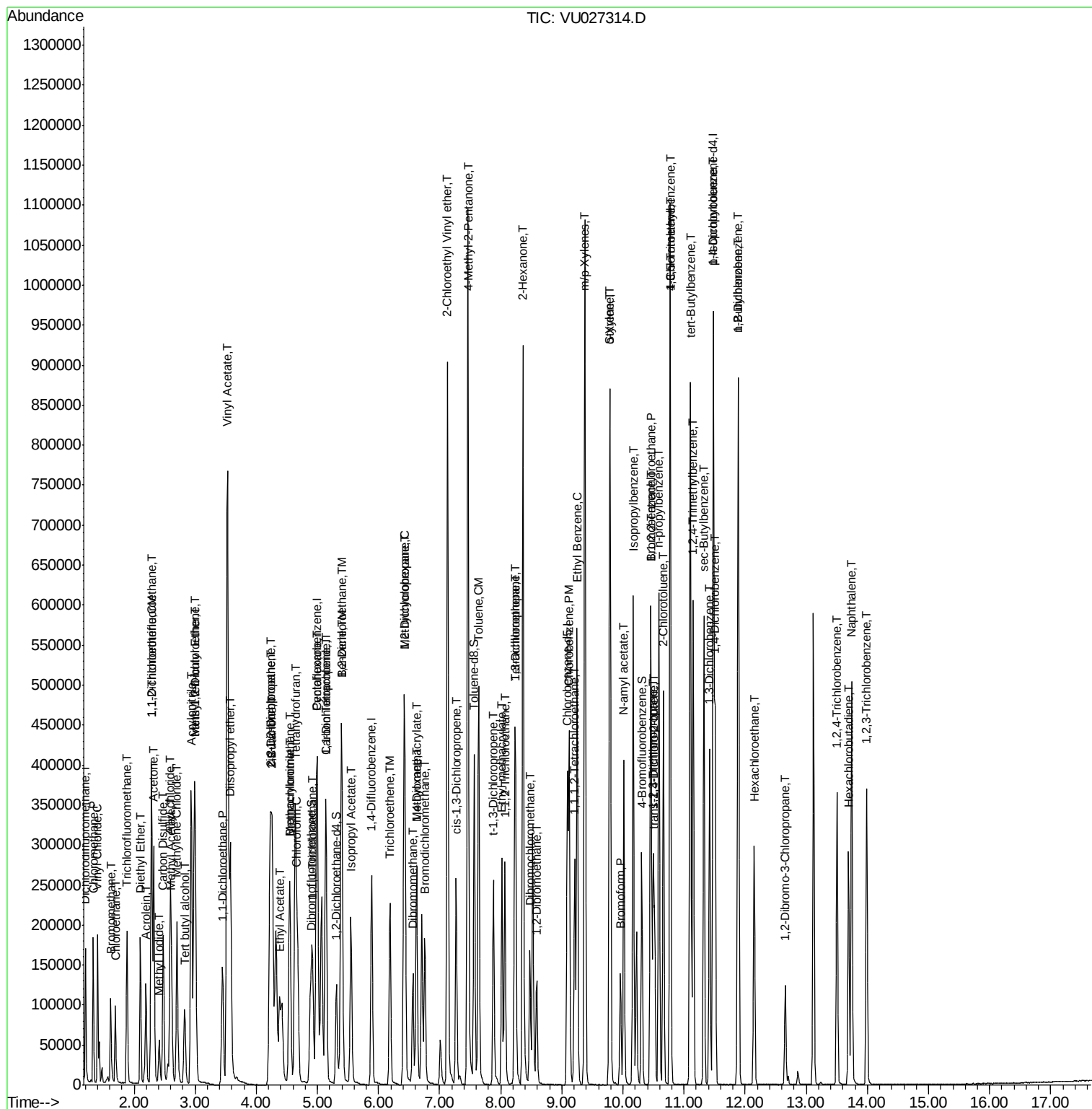
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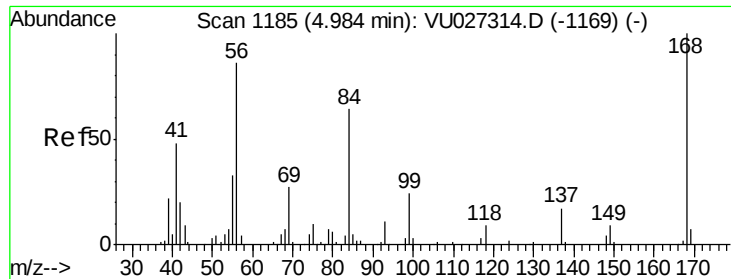
Instrument :
MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU027314.D

Acq: 01 Oct 2018 11:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 119994

Ion Ratio Lower Upper

168 100

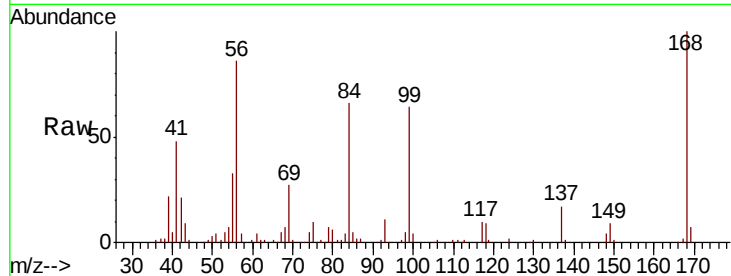
99 63.5 50.8 76.2

Manual Integrations

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10/3/2018 11:41:43 AM



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

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

4.98

60000

50000

40000

30000

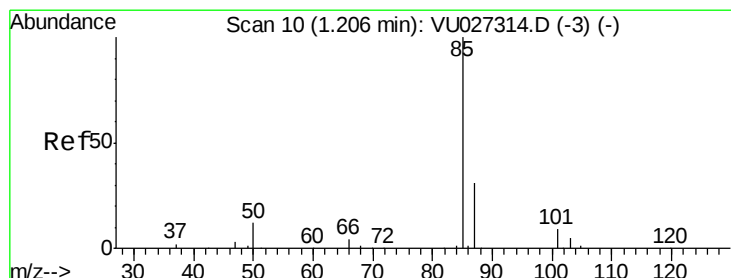
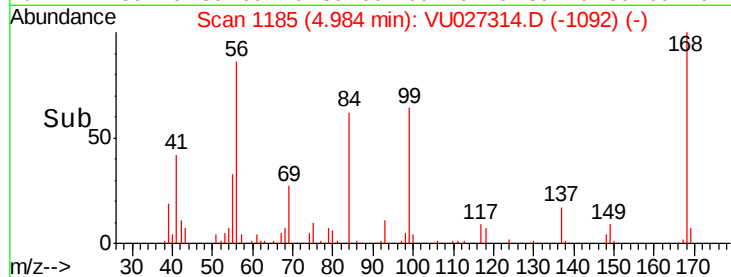
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 56.922 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027314.D

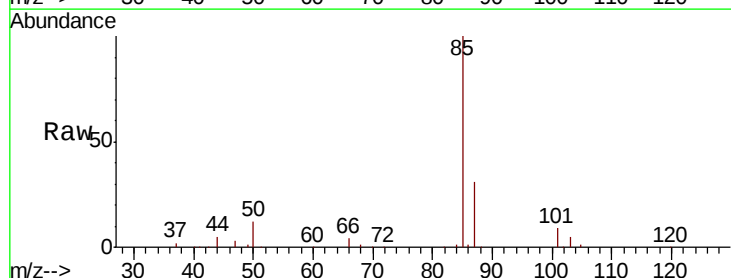
Acq: 01 Oct 2018 11:16

Tgt Ion: 85 Resp: 98474

Ion Ratio Lower Upper

85 100

87 31.4 15.7 47.1



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

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

1.21

100000

80000

60000

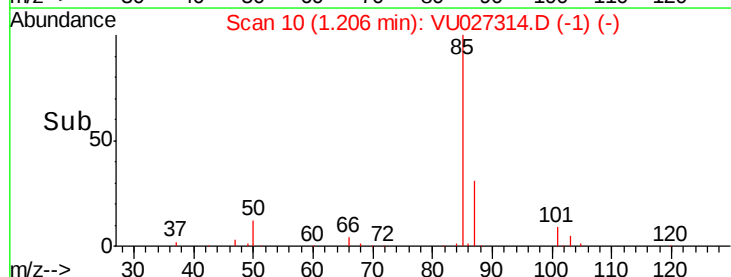
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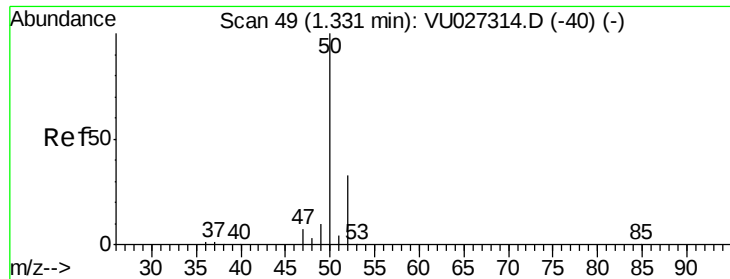
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 53.093 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027314.D

Acq: 01 Oct 2018 11:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 124352

Ion Ratio Lower Upper

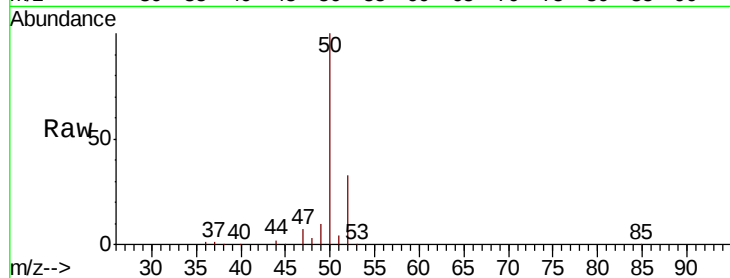
50 100

52 33.1 26.5 39.7

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Abundance Ion 49.90 (49.60 to 50.60): VU027314.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027314.D (-40) (-)

1.33

120000

100000

80000

60000

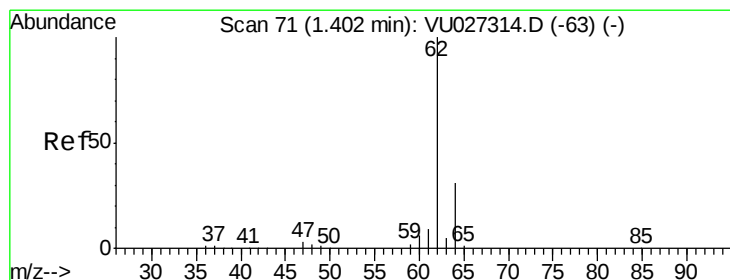
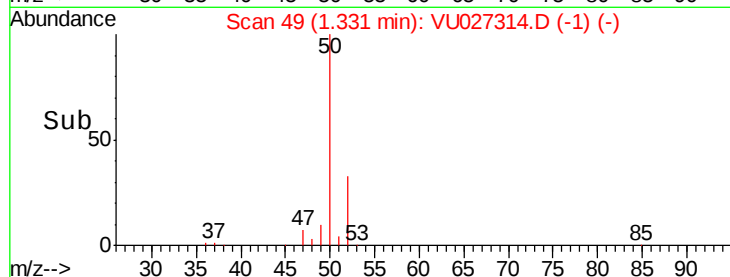
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 53.367 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027314.D

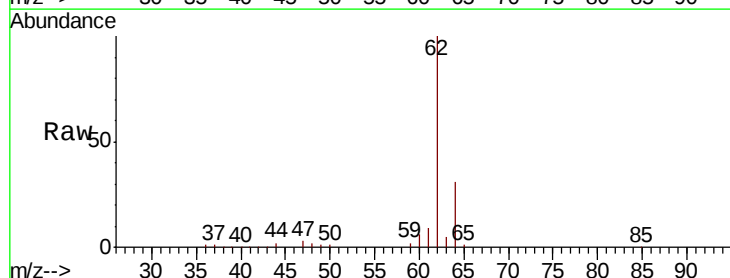
Acq: 01 Oct 2018 11:16

Tgt Ion: 62 Resp: 117497

Ion Ratio Lower Upper

62 100

64 31.1 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU027314.D (-63) (-)

Ion 63.90 (63.60 to 64.60): VU027314.D (-63) (-)

1.40

120000

100000

80000

60000

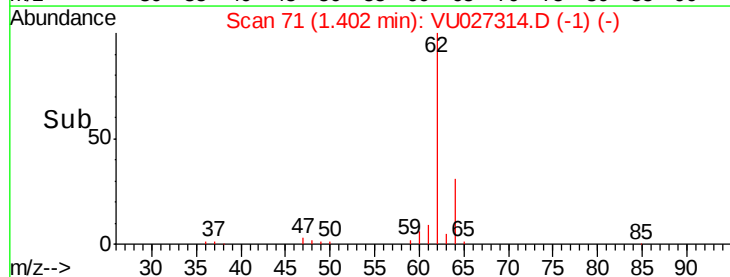
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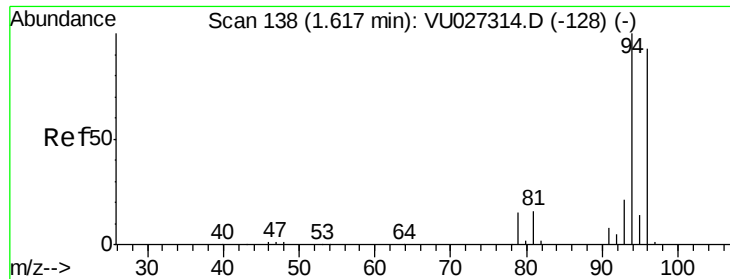
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0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 49.428 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.00 min

Lab File: VU027314.D

Acq: 01 Oct 2018 11:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 47088

Ion Ratio Lower Upper

94 100

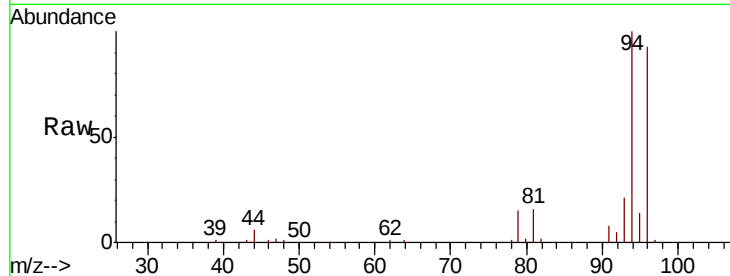
96 93.2 74.6 111.8

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

1.62

40000

30000

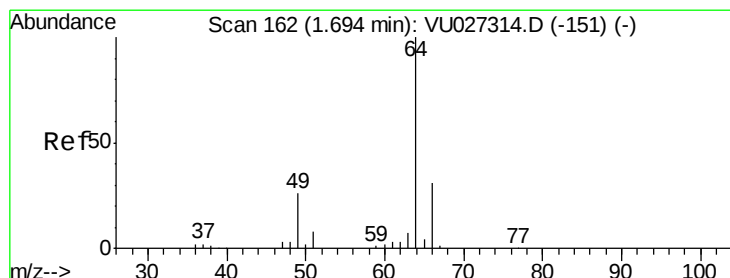
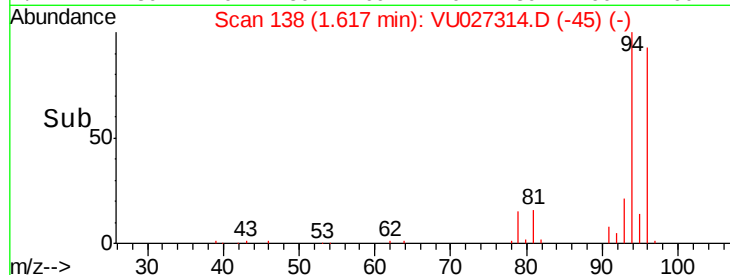
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Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 50.136 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU027314.D

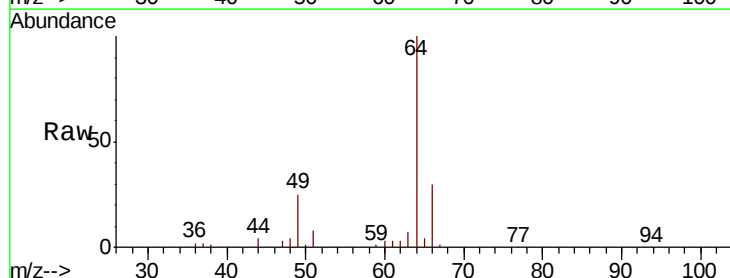
Acq: 01 Oct 2018 11:16

Tgt Ion: 64 Resp: 66329

Ion Ratio Lower Upper

64 100

66 30.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

50000

40000

30000

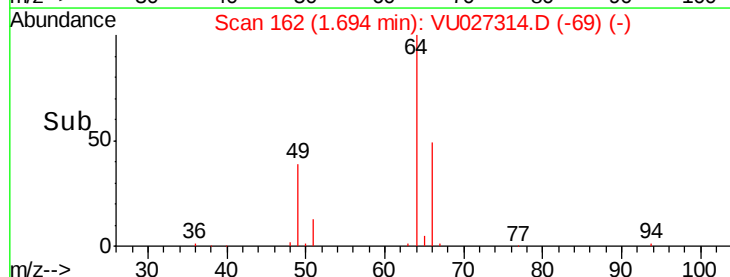
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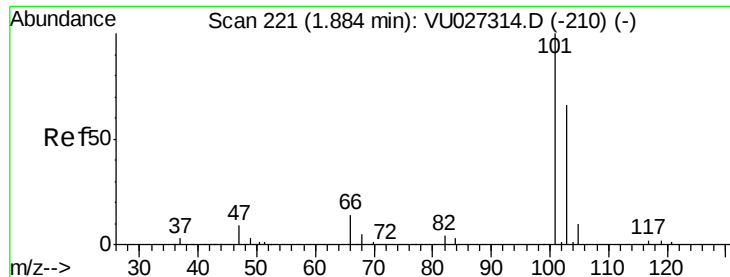
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Time-->

1.65 1.70 1.75 1.80





#7

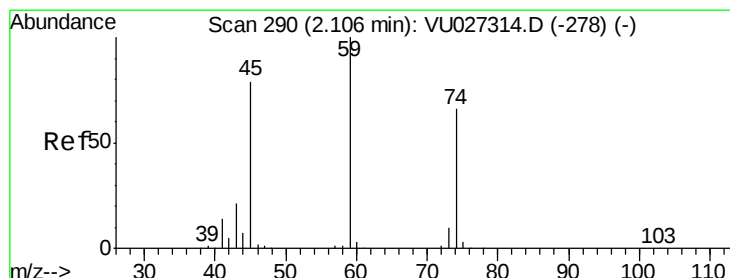
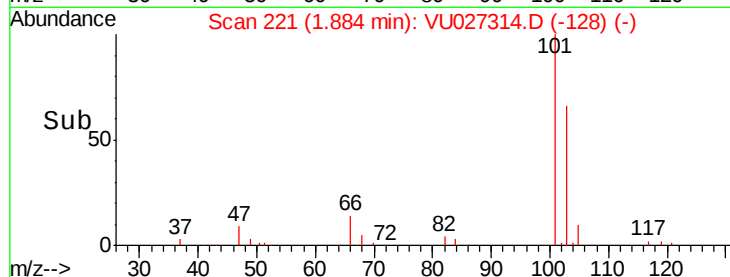
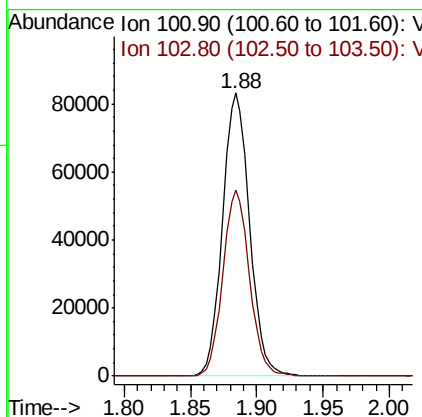
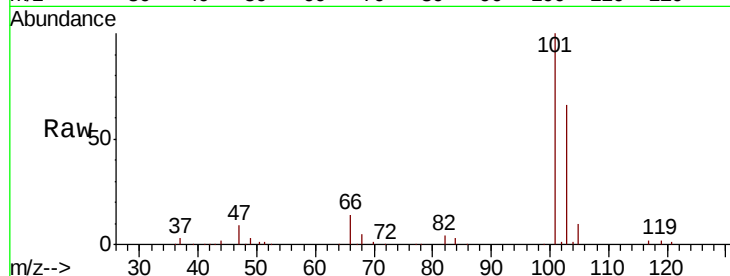
Trichlorofluoromethane
Concen: 52.728 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.00 min
Lab File: VU027314.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.6	78.8

Manual Integrations
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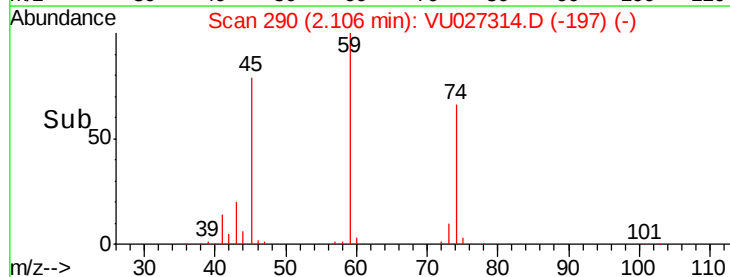
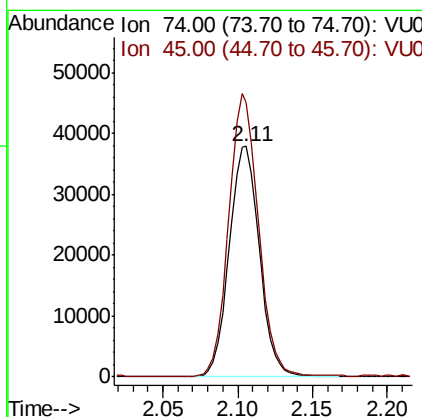
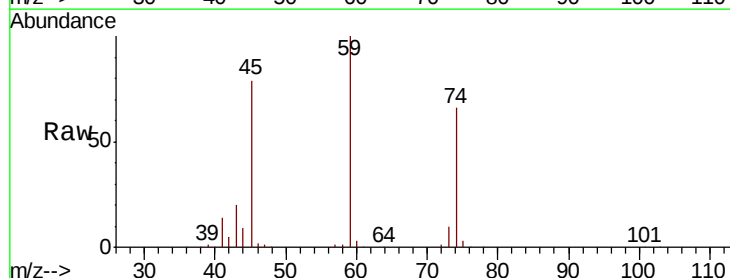
MMDadoda
10/3/2018 11:41:43 AM

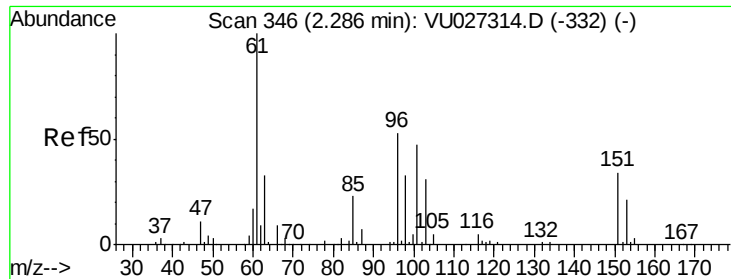


#8

Diethyl Ether
Concen: 51.841 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.7	60.4	181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.217 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027314.D

Acq: 01 Oct 2018 11:16

Instrument :

MSVOA_U

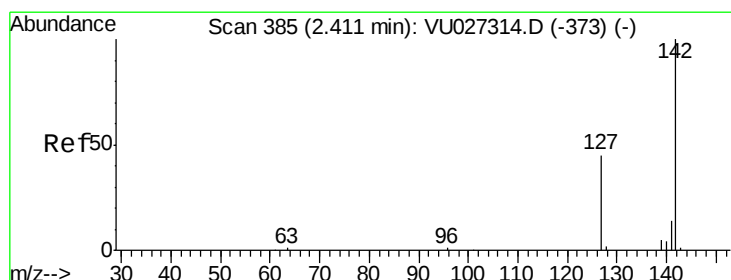
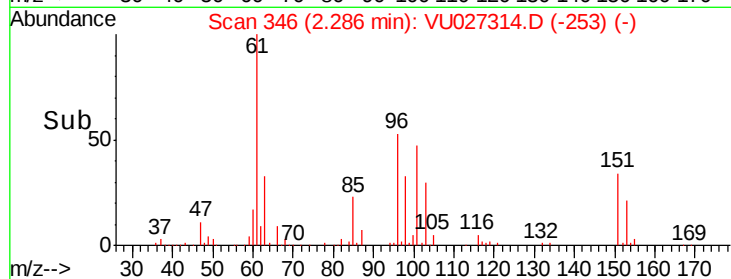
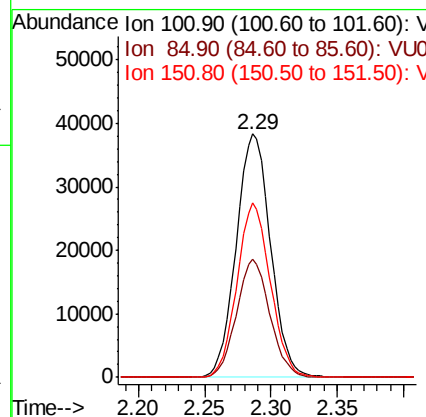
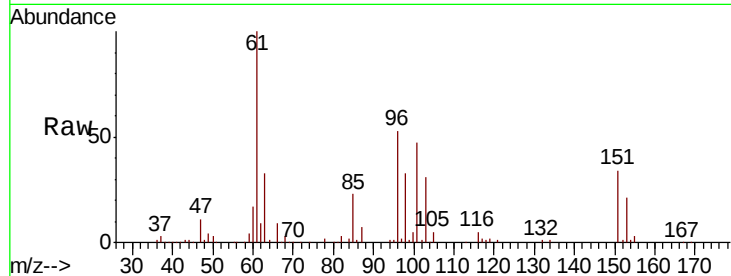
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	69040
Ion Ratio	Lower	Upper	
101	100		
85	46.9	37.5	56.3
151	69.5	55.6	83.4

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#10

Methyl Iodide

Concen: 54.961 ug/l

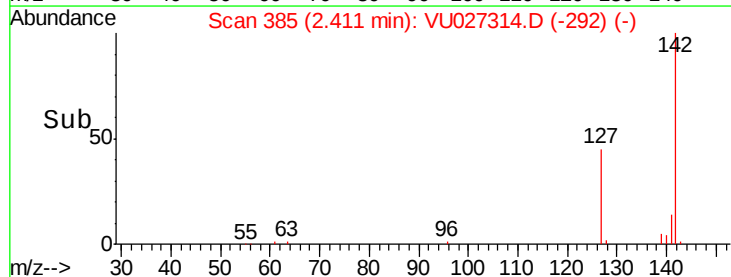
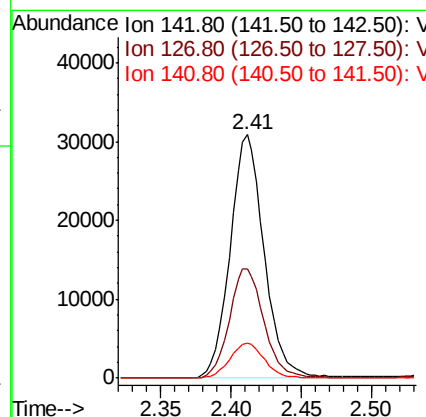
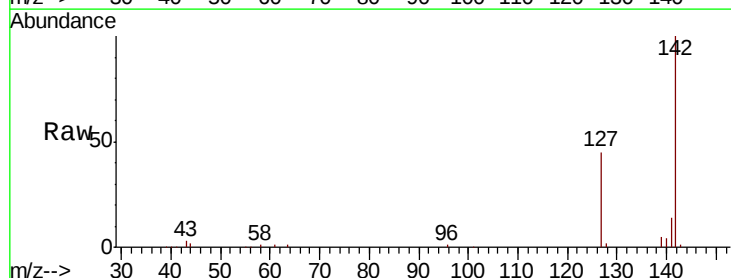
RT: 2.41 min Scan# 385

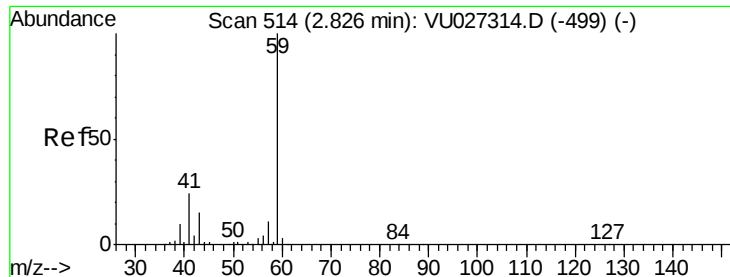
Delta R.T. 0.00 min

Lab File: VU027314.D

Acq: 01 Oct 2018 11:16

Tgt Ion:	142	Resp:	51905
Ion Ratio	Lower	Upper	
142	100		
127	45.4	36.3	54.5
141	14.5	11.6	17.4





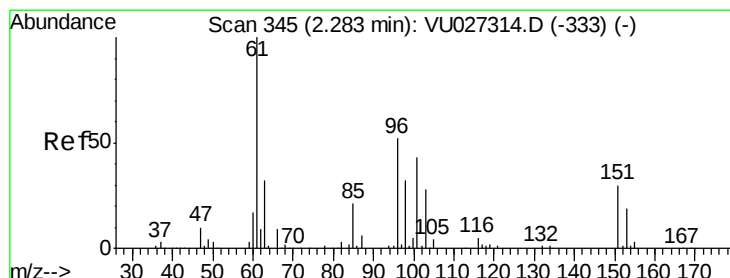
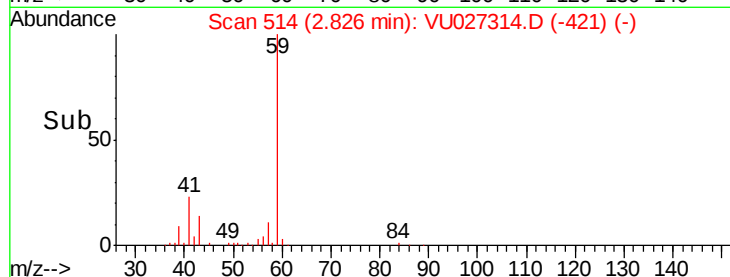
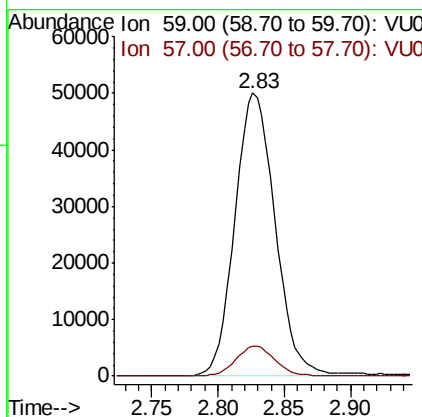
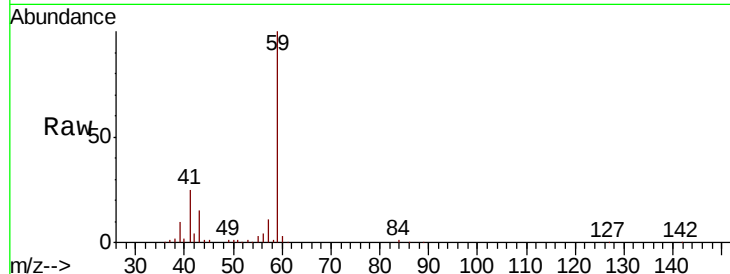
#11
Tert butyl alcohol
Concen: 250.237 ug/l
RT: 2.83 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

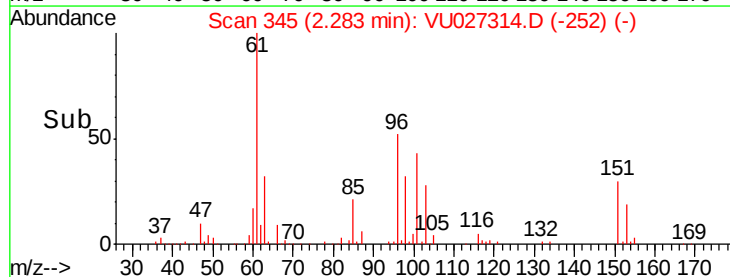
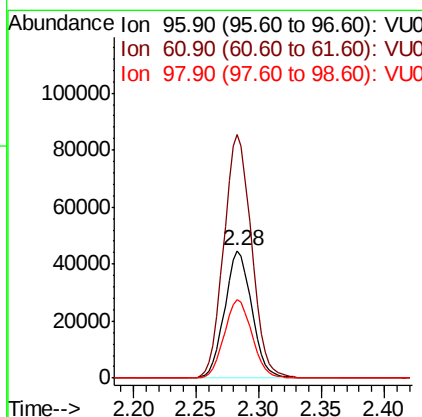
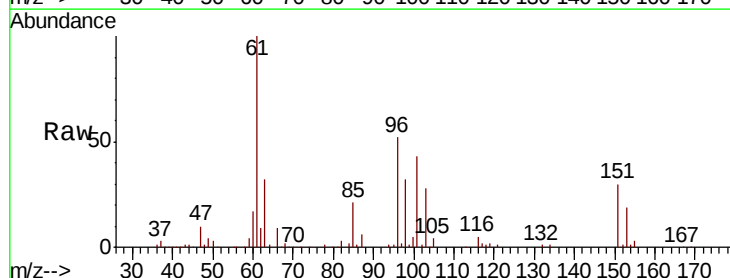
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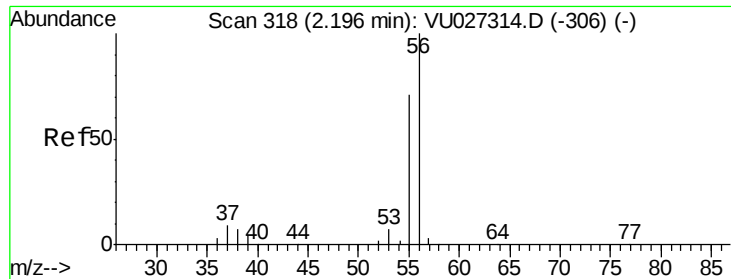
MMDadoda
10/3/2018 11:41:43 AM



#12
1,1-Dichloroethene
Concen: 52.862 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.3	153.0	229.6
98	61.6	49.3	73.9





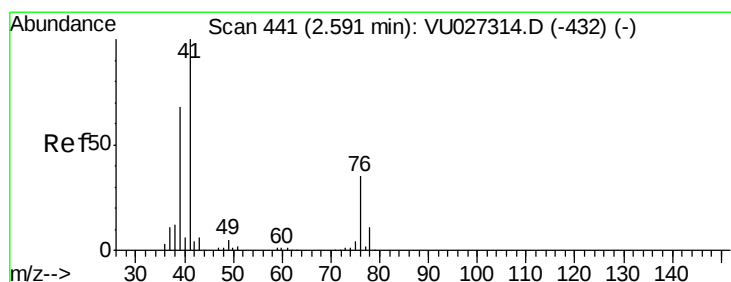
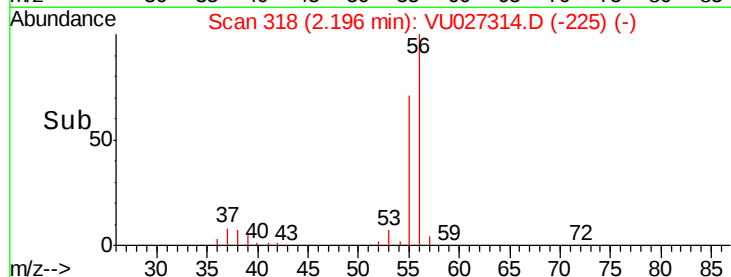
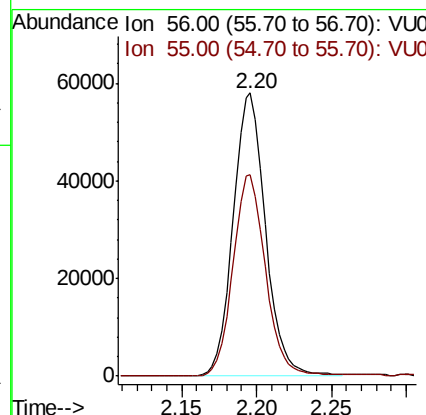
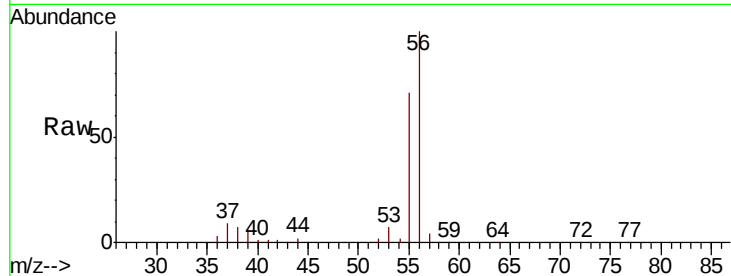
#13
 Acrolein
 Concen: 246.906 ug/l
 RT: 2.20 min Scan# 318
 Delta R.T. 0.00 min
 Lab File: VU027314.D
 Acq: 01 Oct 2018 11:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	56	55	Resp	Lower	Upper
56	100				
55	72.1		57.7	86.5	

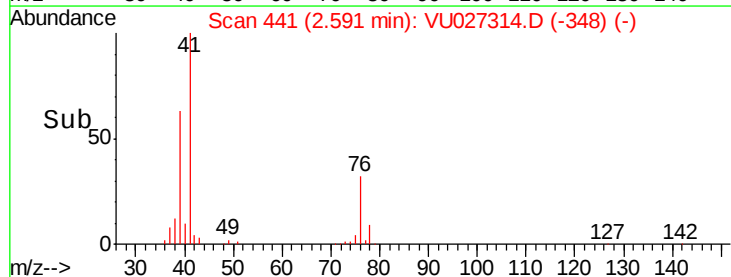
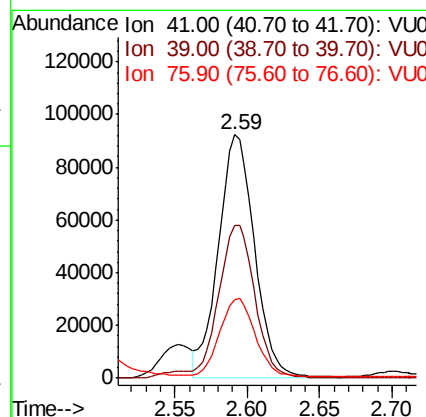
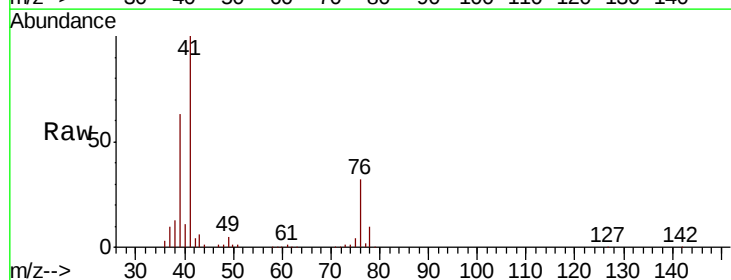
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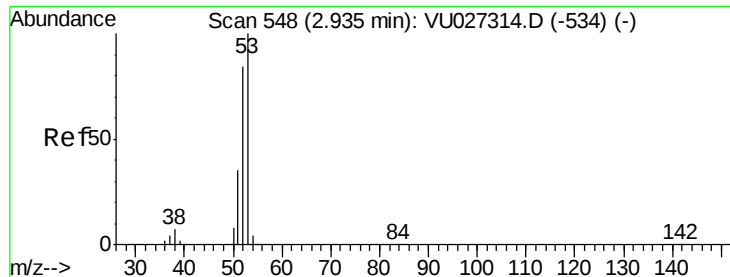
MMDadoda
 10/3/2018 11:41:43 AM



#14
 Allyl chloride
 Concen: 53.066 ug/l
 RT: 2.59 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VU027314.D
 Acq: 01 Oct 2018 11:16

Tgt Ion	41	39	76	Resp	Lower	Upper
41	100					
39	64.8			51.8	77.8	
76	32.4			25.9	38.9	





#15

Acrylonitrile

Concen: 265.036 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027314.D

Acq: 01 Oct 2018 11:16

Instrument :

MSVOA_U

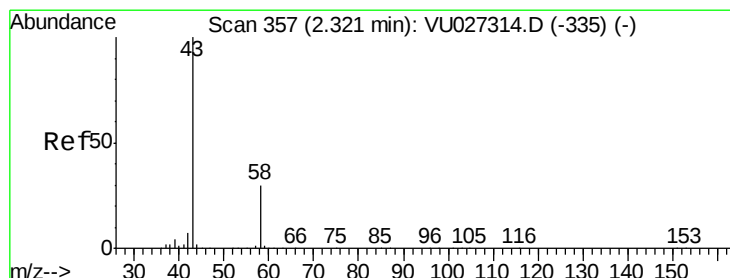
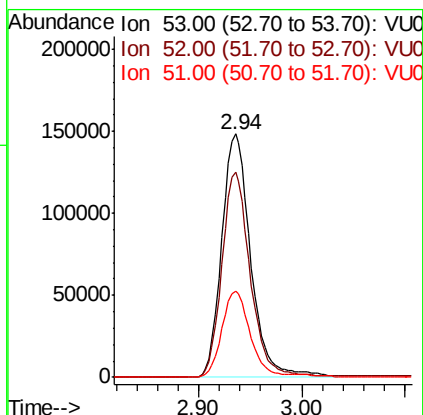
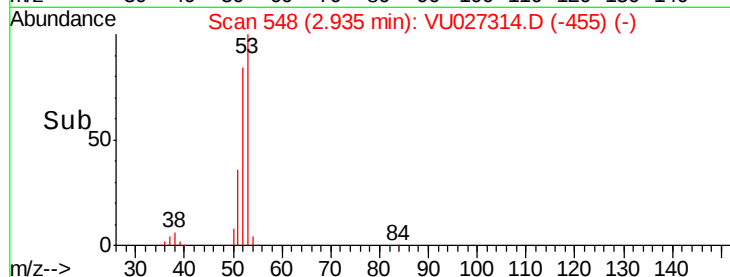
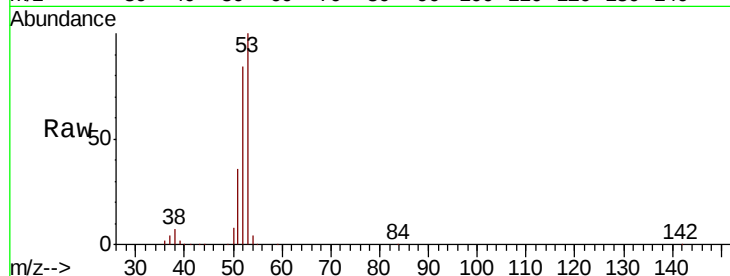
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	291064
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.5	99.7
51	34.5	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 256.889 ug/l

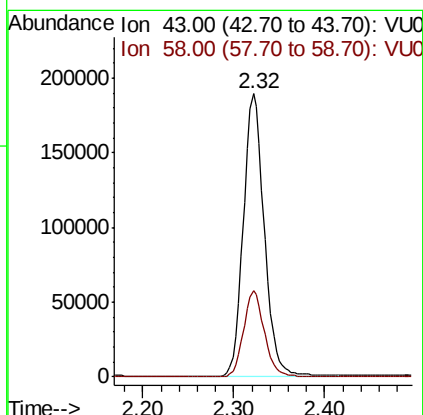
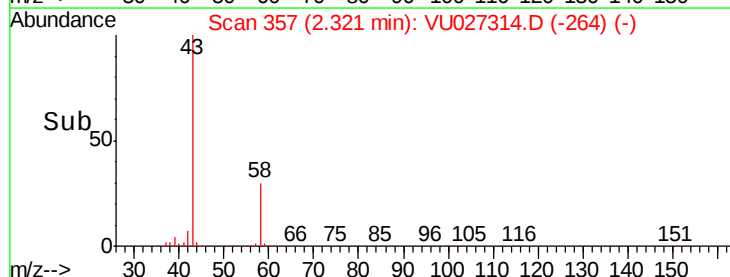
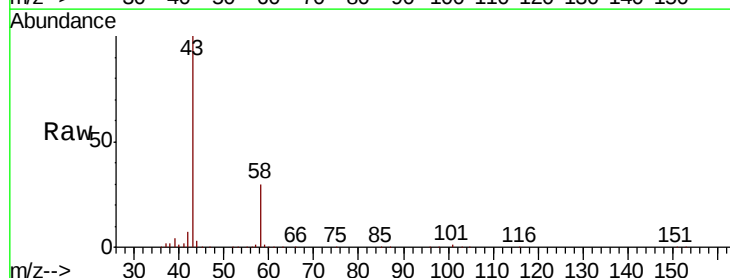
RT: 2.32 min Scan# 357

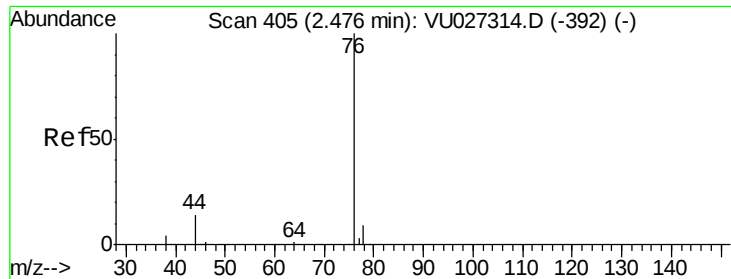
Delta R.T. 0.00 min

Lab File: VU027314.D

Acq: 01 Oct 2018 11:16

Tgt Ion:	43	Resp:	304080
Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4





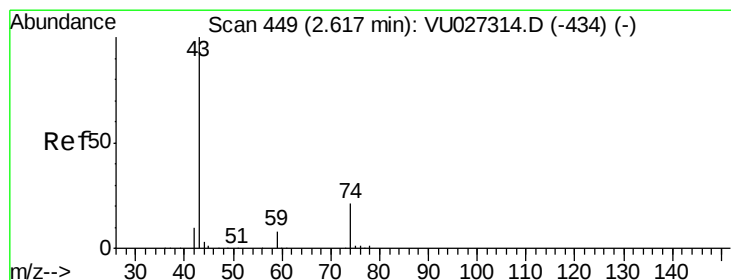
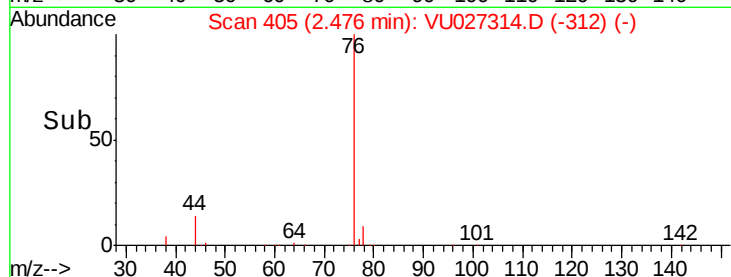
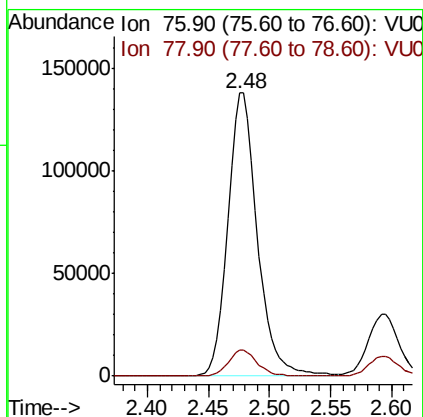
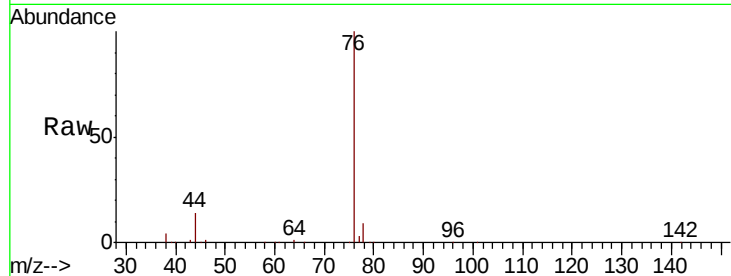
#17
Carbon Disulfide
Concen: 51.347 ug/l
RT: 2.48 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

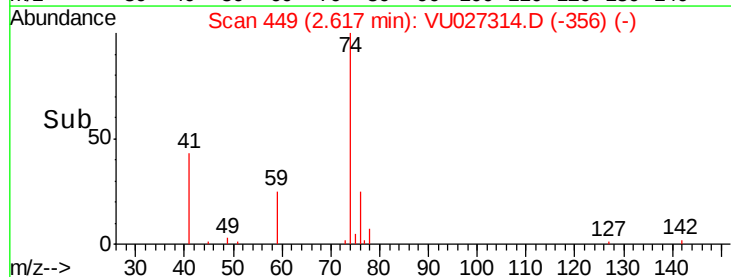
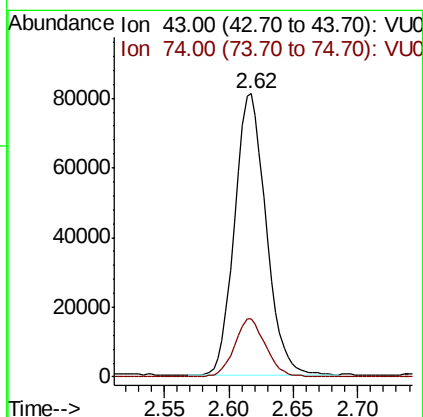
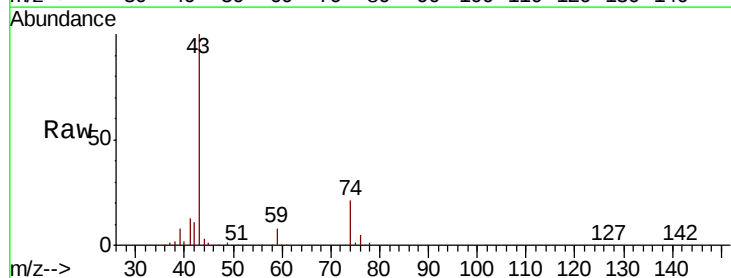
Manual Integrations
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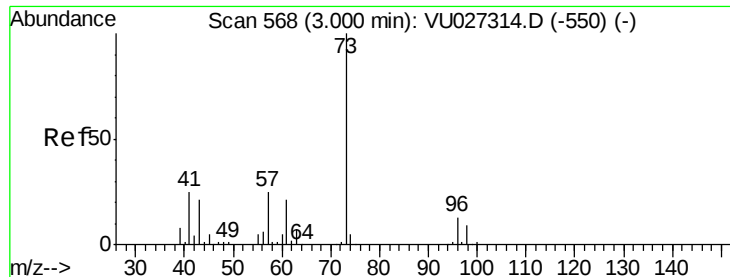
MMDadoda
10/3/2018 11:41:43 AM



#18
Methyl Acetate
Concen: 50.706 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.6	16.5	24.7





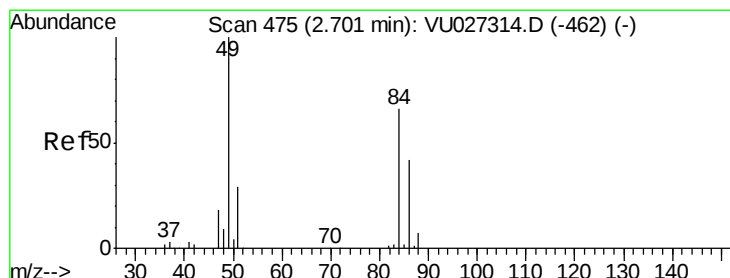
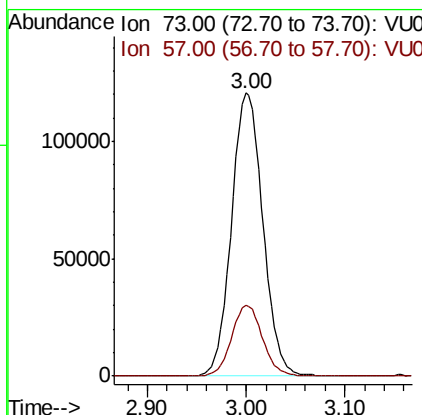
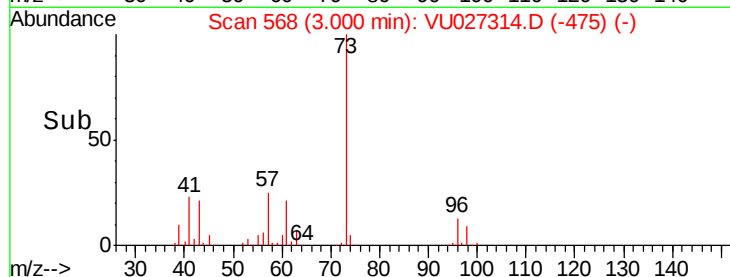
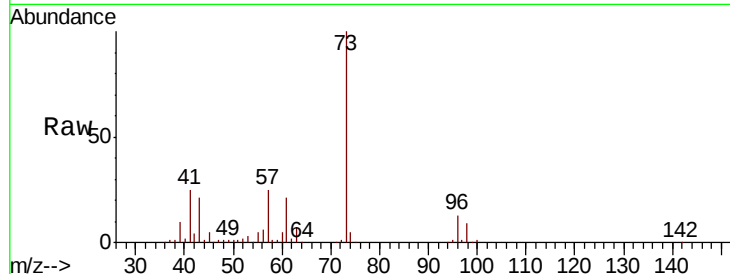
#19
Methyl tert-butyl Ether
Concen: 52.577 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Instrument :
MSVOA_U
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.0	20.0	30.0

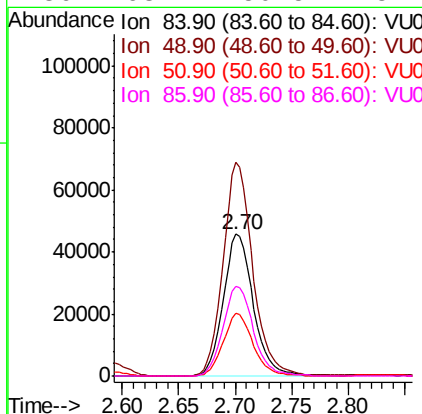
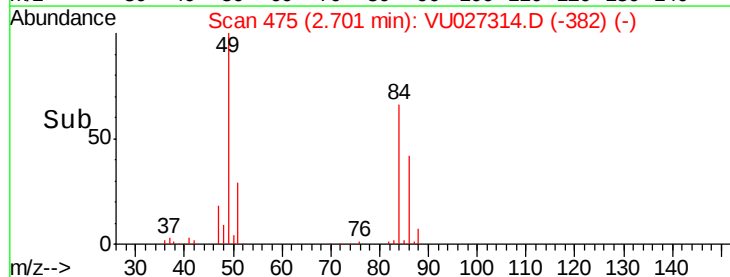
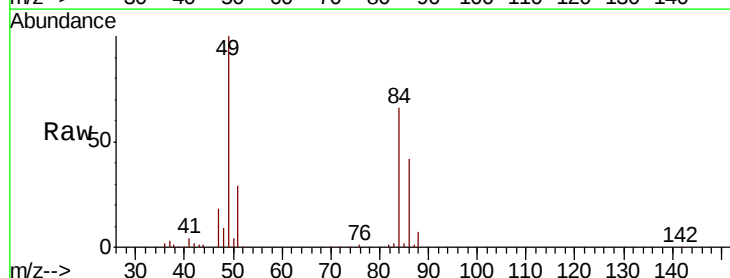
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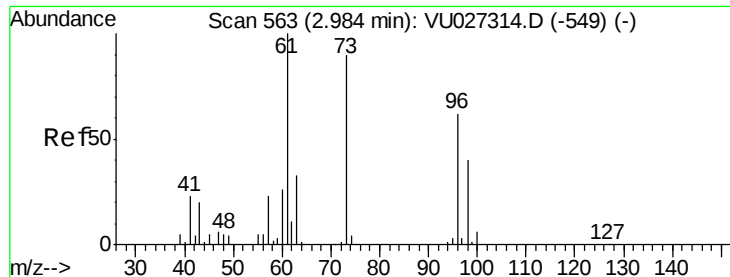
MMDadoda
10/3/2018 11:41:43 AM



#20
Methylene Chloride
Concen: 51.271 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.6	120.5	180.7
51	43.9	35.1	52.7
86	63.1	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 52.015 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027314.D

Acq: 01 Oct 2018 11:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 74018

Ion Ratio Lower Upper

96 100

61 161.8 129.4 194.2

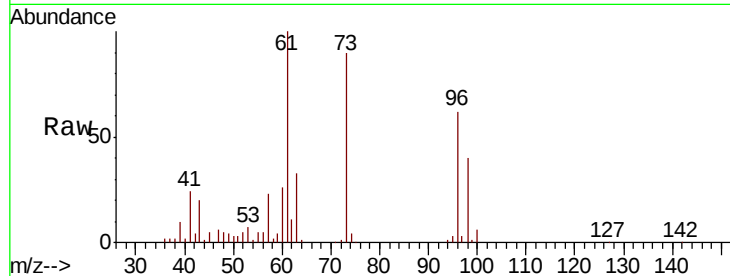
98 64.0 51.2 76.8

Manual Integrations

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MMDadoda

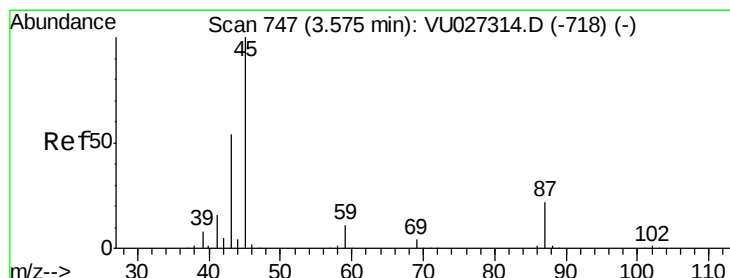
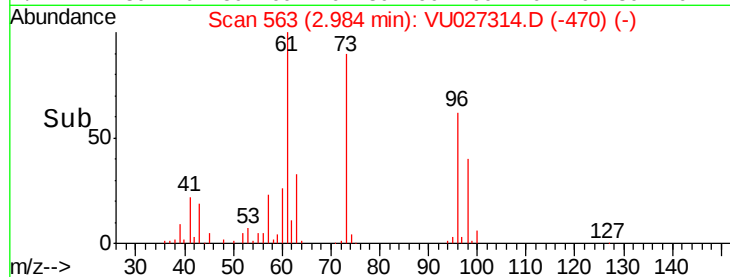
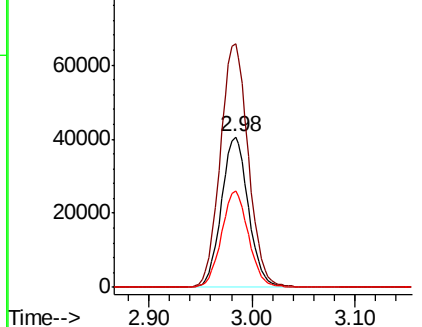
10/3/2018 11:41:43 AM



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 53.388 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU027314.D

Acq: 01 Oct 2018 11:16

Tgt Ion: 45 Resp: 326609

Ion Ratio Lower Upper

45 100

43 54.3 43.4 65.2

87 21.9 17.5 26.3

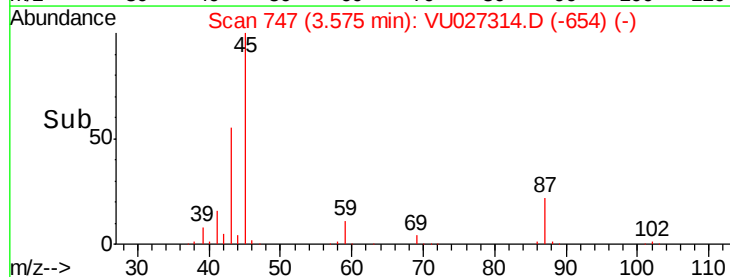
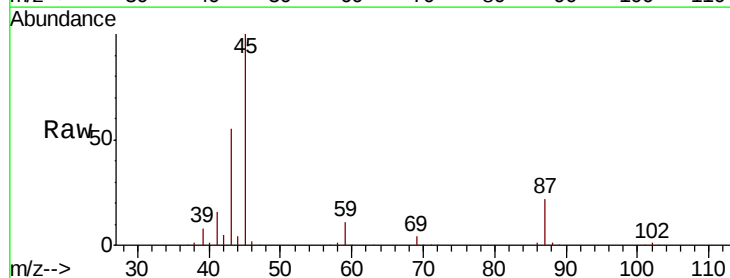
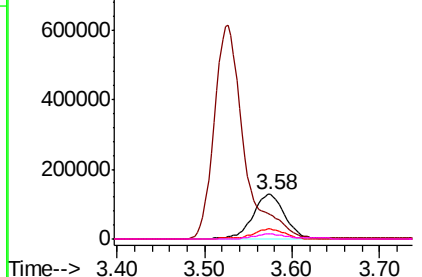
59 10.8 8.6 13.0

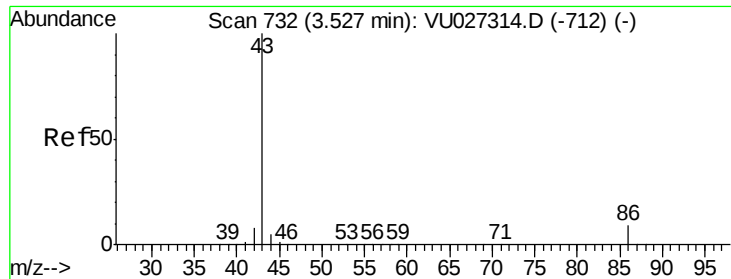
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 272.175 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027314.D

Acq: 01 Oct 2018 11:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1454108

Ion Ratio Lower Upper

43 100

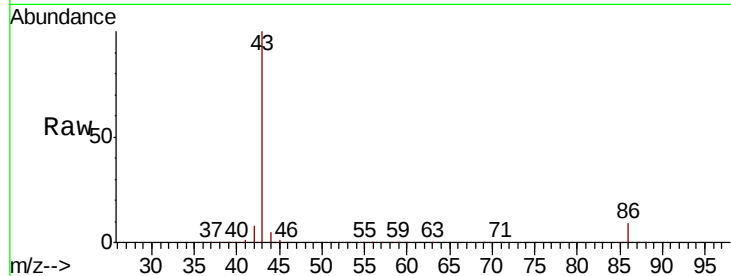
86 8.7 7.0 10.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-712) (-)

Ion 86.00 (85.70 to 86.70): VU027314.D (-712) (-)

3.53

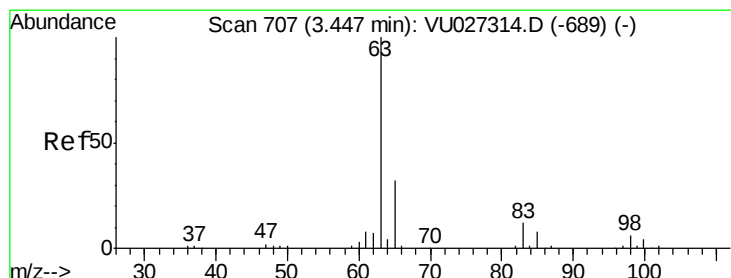
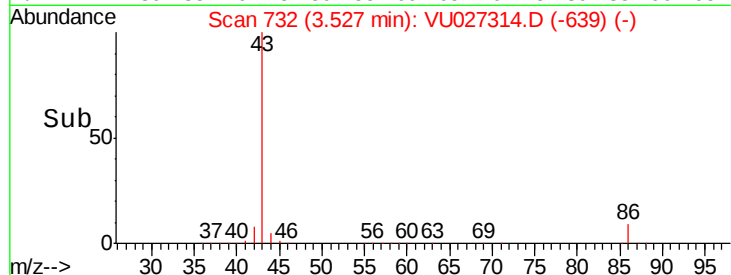
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.089 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU027314.D

Acq: 01 Oct 2018 11:16

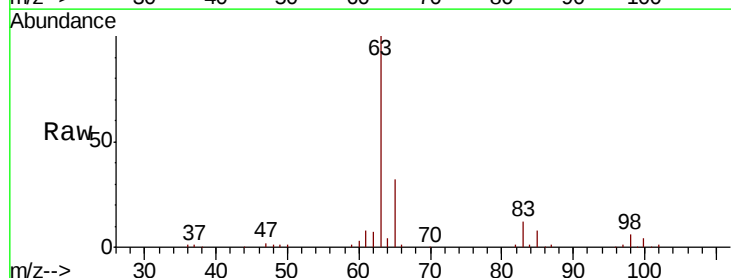
Tgt Ion: 63 Resp: 166960

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 3.7 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU027314.D (-689) (-)

Ion 97.90 (97.60 to 98.60): VU027314.D (-689) (-)

Ion 99.90 (99.60 to 100.60): VU027314.D (-689) (-)

3.45

100000

80000

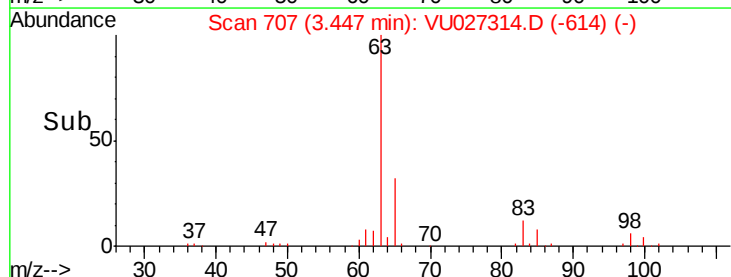
60000

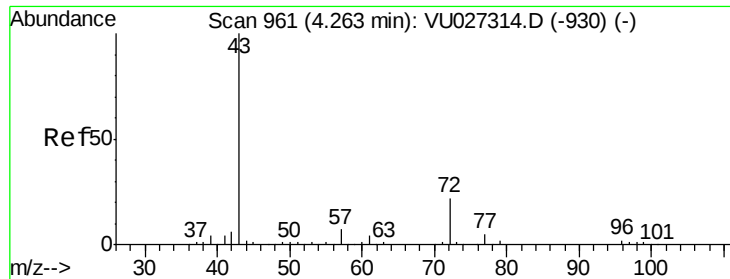
40000

20000

0

Time-->





#25

2-Butanone

Concen: 270.262 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027314.D

Acq: 01 Oct 2018 11:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 436247

Ion Ratio Lower Upper

43 100

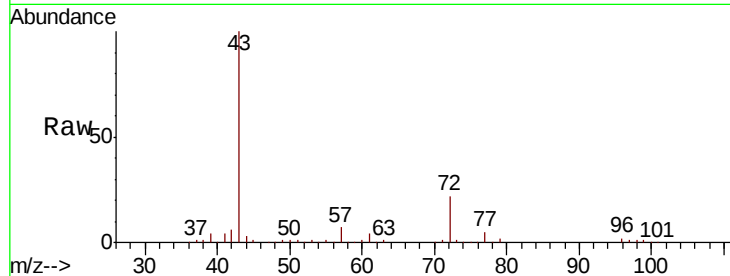
72 22.2 17.8 26.6

Manual Integrations

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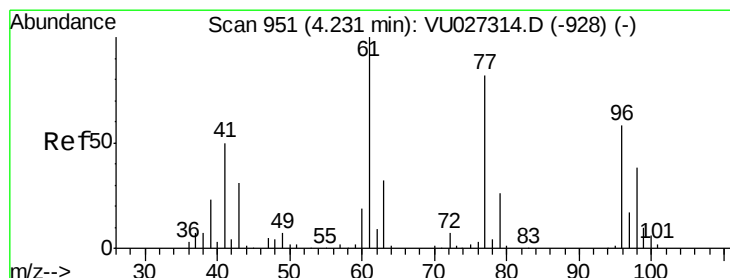
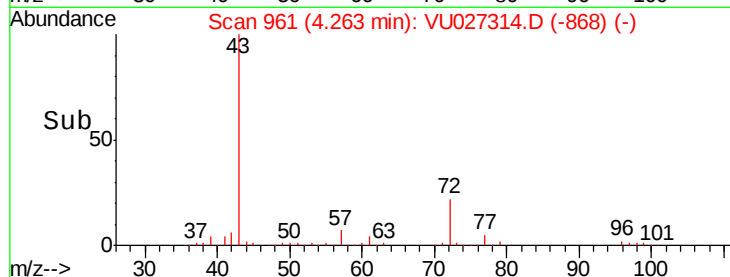
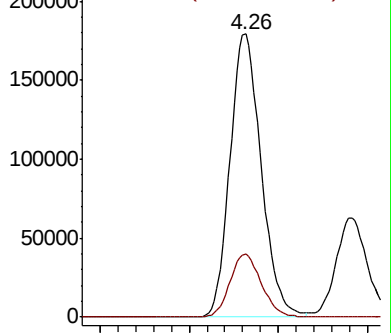
MMDadoda

10/3/2018 11:41:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 51.541 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027314.D

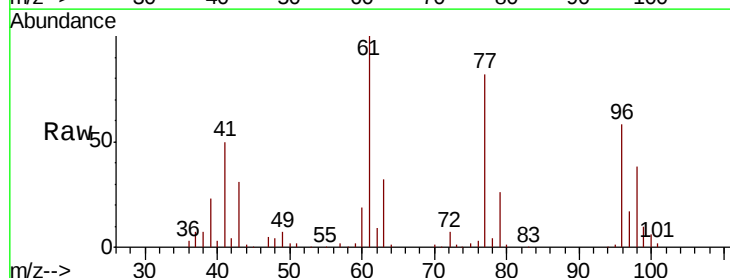
Acq: 01 Oct 2018 11:16

Tgt Ion: 77 Resp: 133192

Ion Ratio Lower Upper

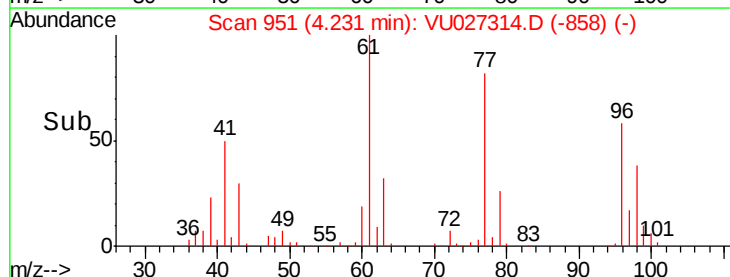
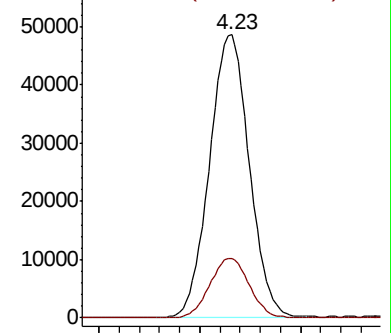
77 100

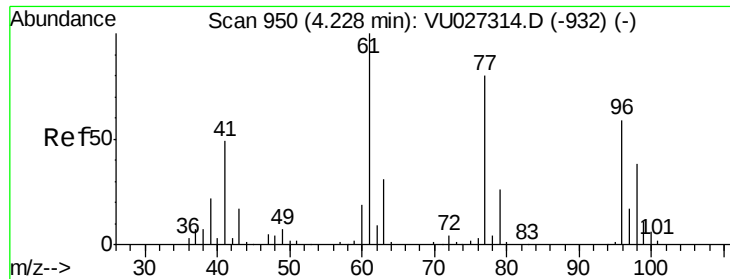
97 20.7 10.4 31.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





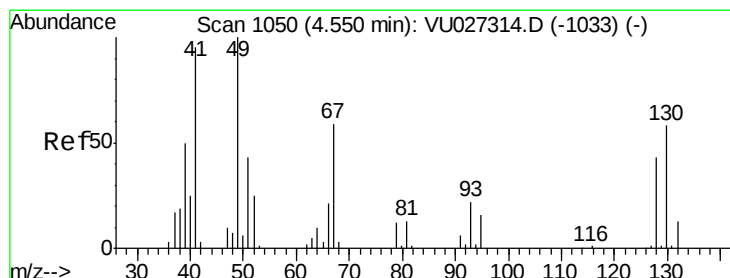
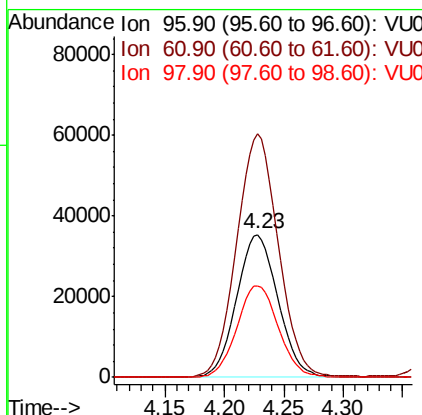
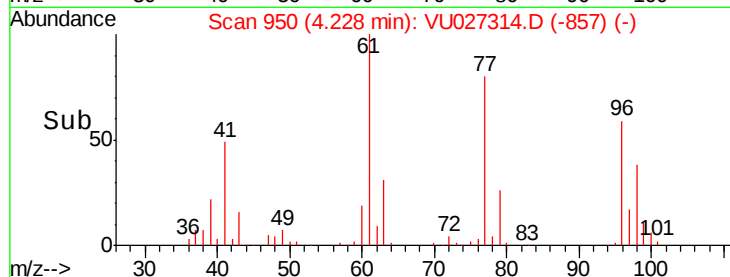
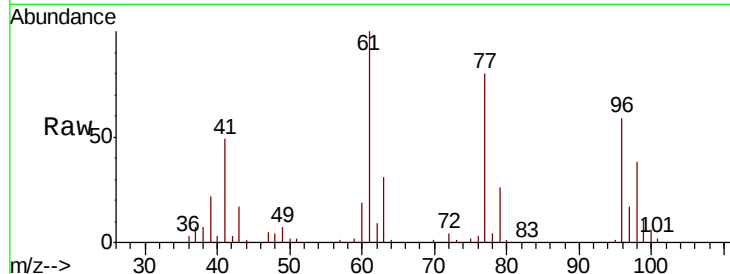
#27
 cis-1,2-Dichloroethene
 Concen: 52.331 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU027314.D
 Acq: 01 Oct 2018 11:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	171.9	0.0	343.8
98	64.5	0.0	129.0

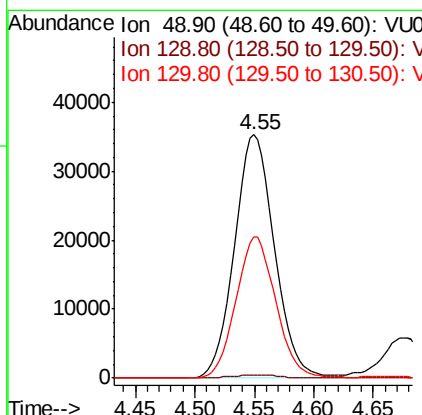
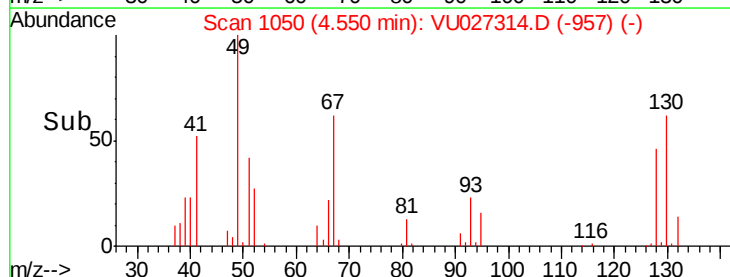
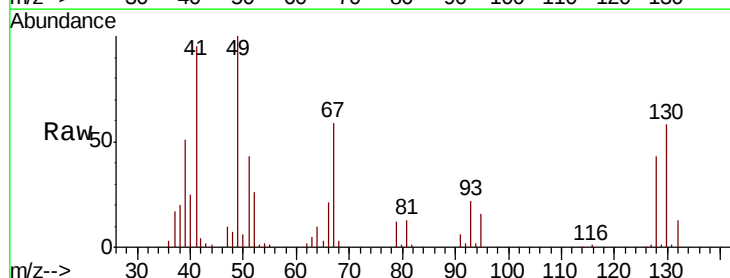
Manual Integrations
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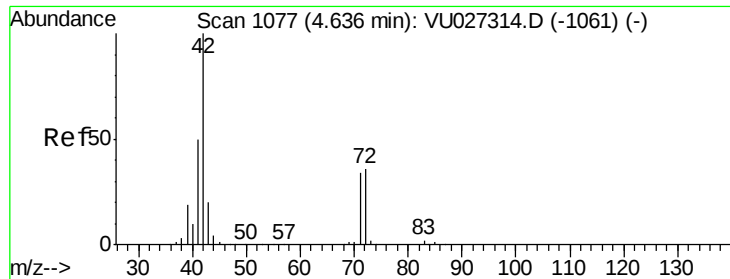
MMDadoda
 10/3/2018 11:41:43 AM



#28
 Bromochloromethane
 Concen: 54.180 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU027314.D
 Acq: 01 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	57.6	46.1	69.1





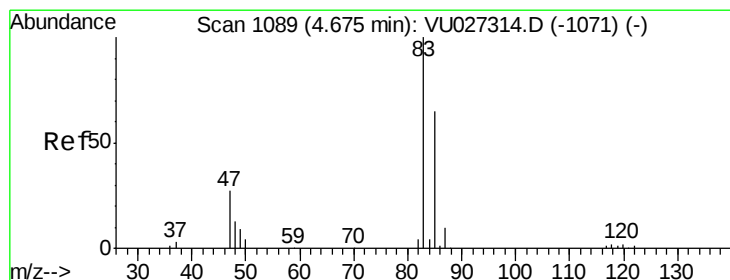
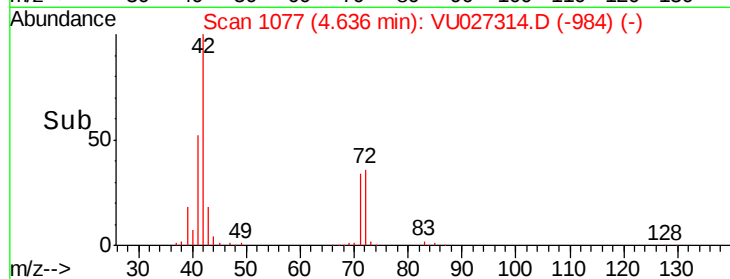
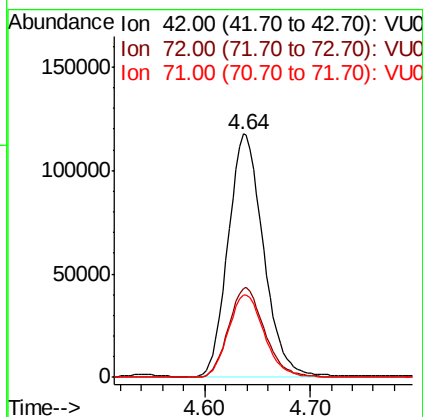
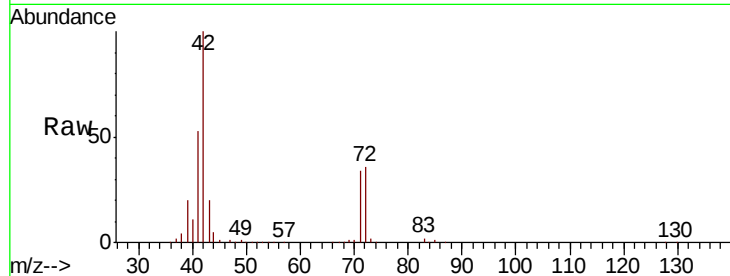
#29
Tetrahydrofuran
Concen: 268.270 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	30.1	45.1
71	34.6	27.7	41.5

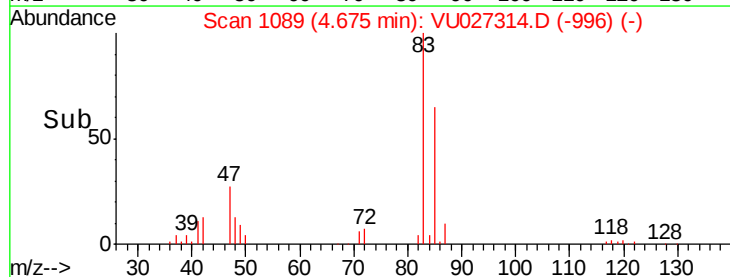
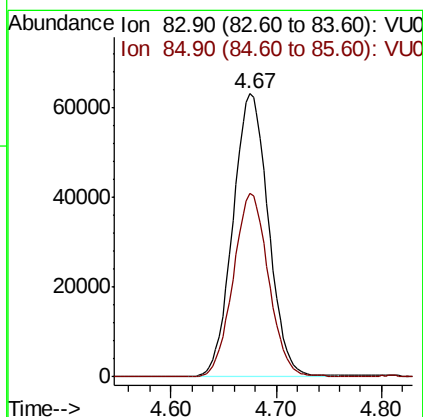
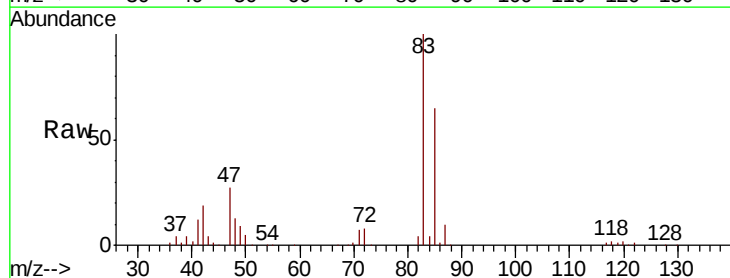
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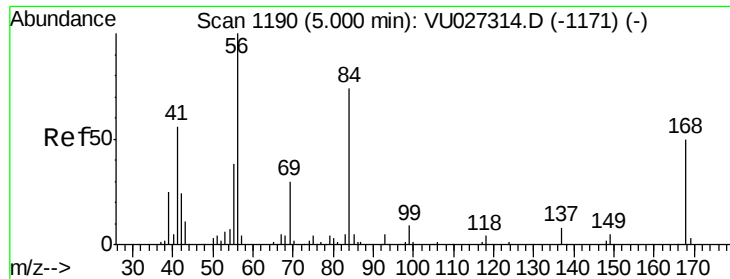
MMDadoda
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#30
Chloroform
Concen: 53.006 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6





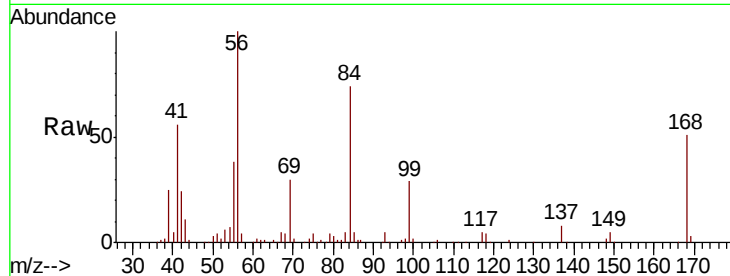
#31
Cyclohexane
Concen: 44.591 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

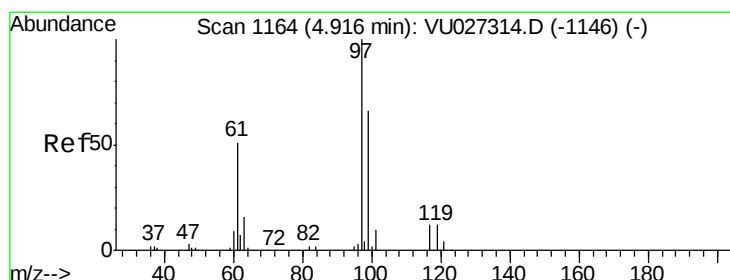
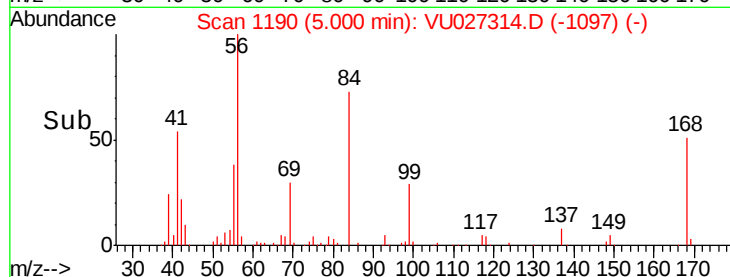
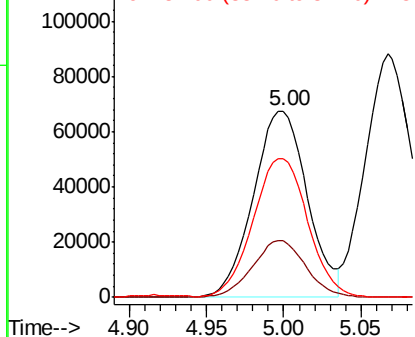
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	24.1	36.1
84	73.9	59.1	88.7

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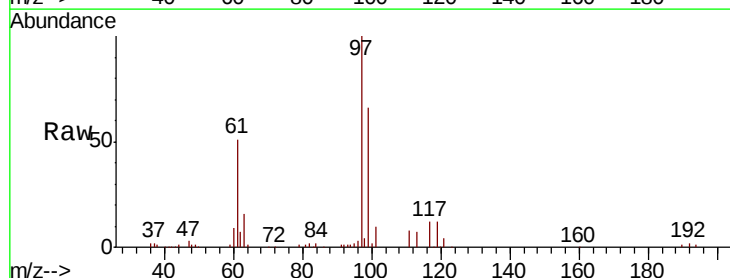


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

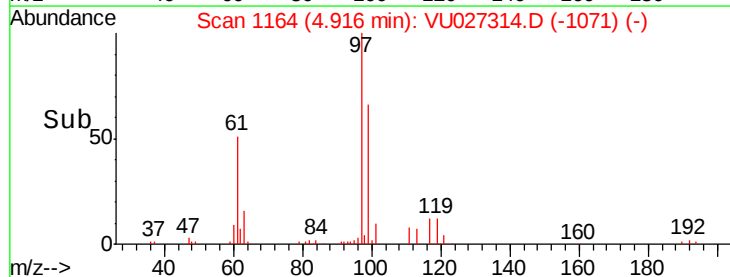
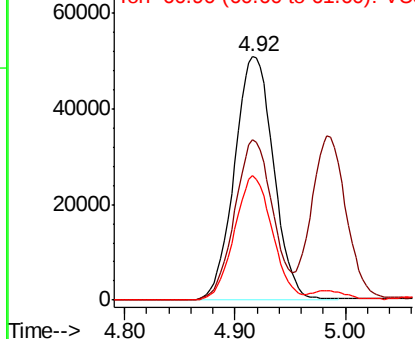


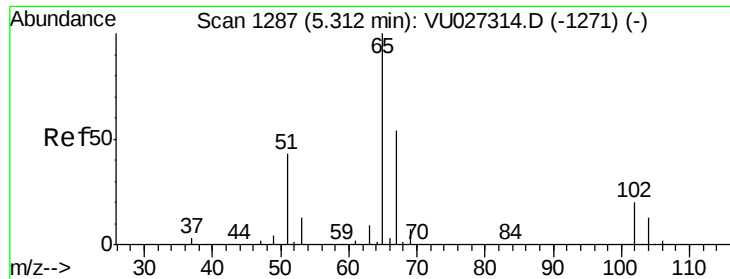
#32
1,1,1-Trichloroethane
Concen: 53.219 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	49.5	39.6	59.4



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





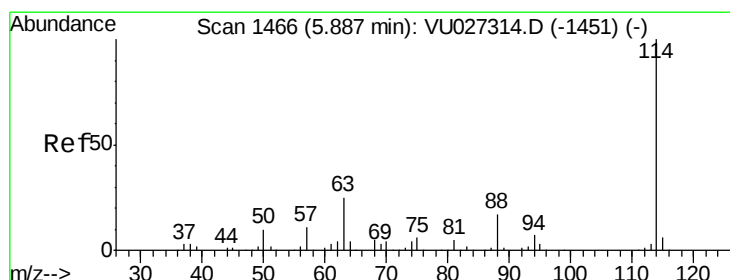
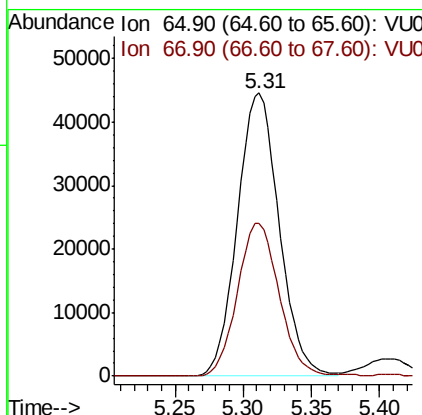
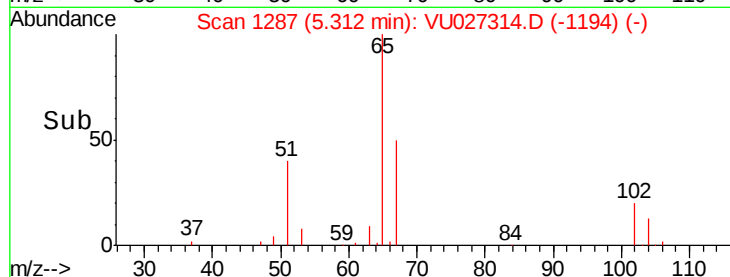
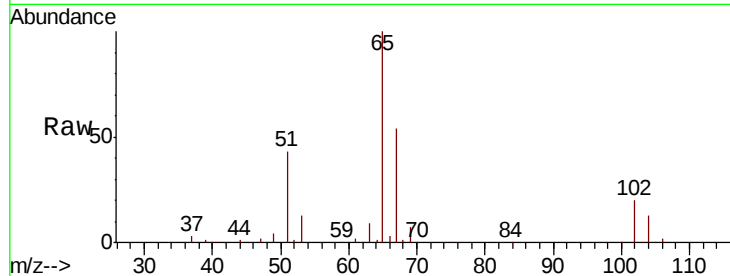
#33
 1,2-Dichloroethane-d4
 Concen: 49.811 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027314.D
 Acq: 01 Oct 2018 11:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	107.8

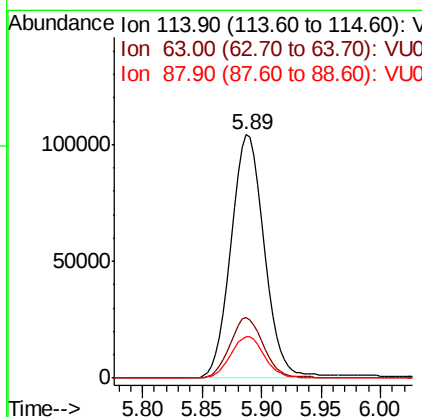
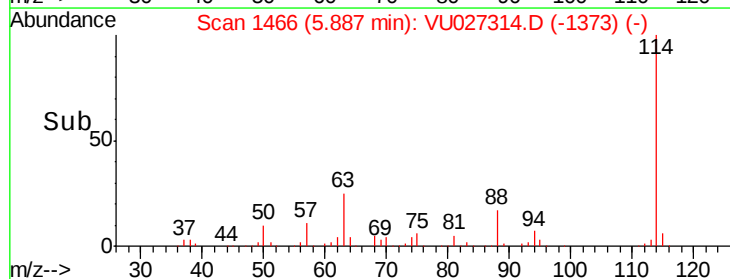
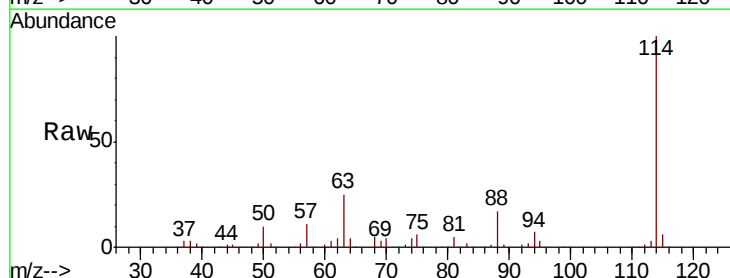
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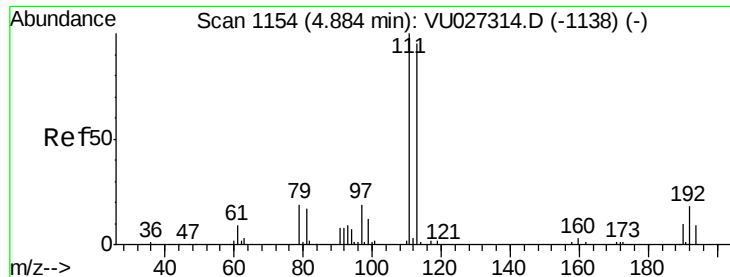
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 10/3/2018 11:41:43 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU027314.D
 Acq: 01 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.1	0.0	50.2
88	16.9	0.0	33.8





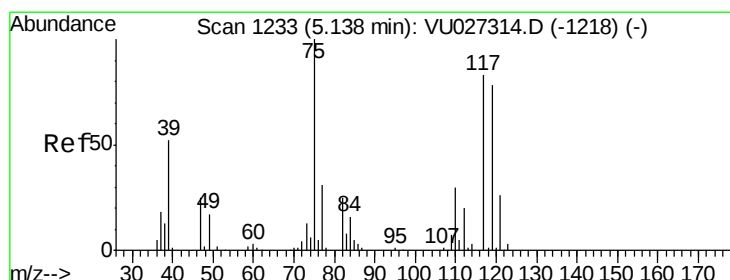
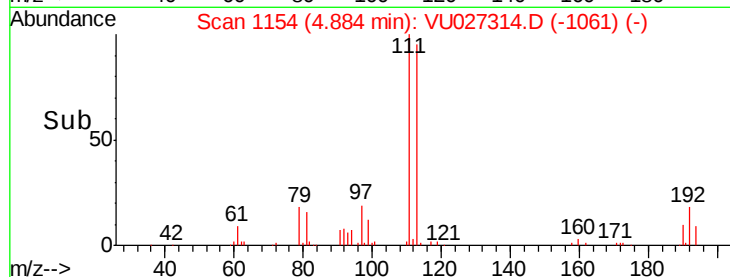
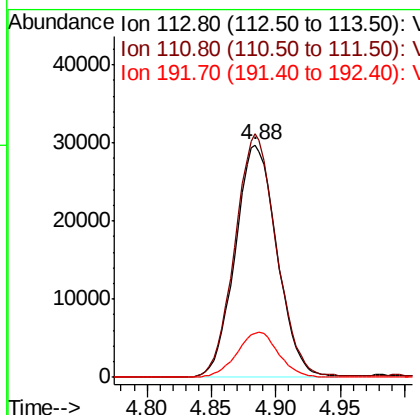
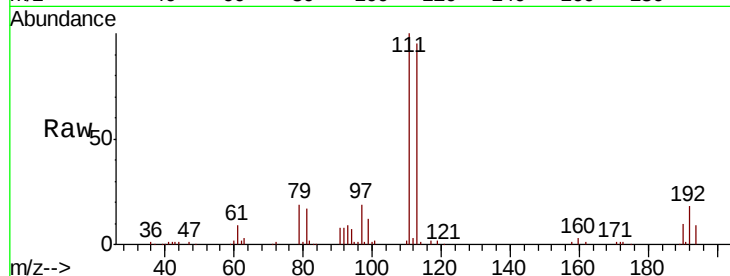
#35
 Dibromofluoromethane
 Concen: 50.034 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027314.D
 Acq: 01 Oct 2018 11:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	67182		
111	103.9	83.1	124.7	
192	19.2	15.4	23.0	

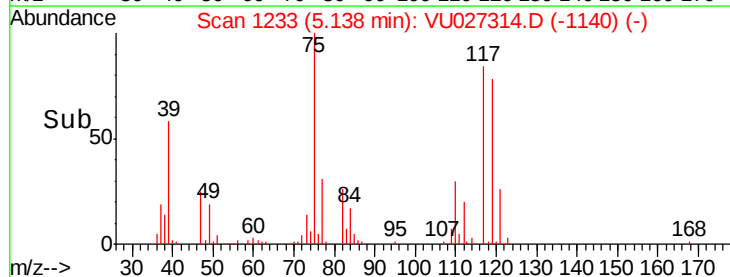
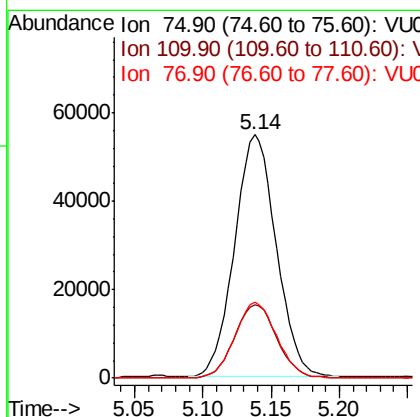
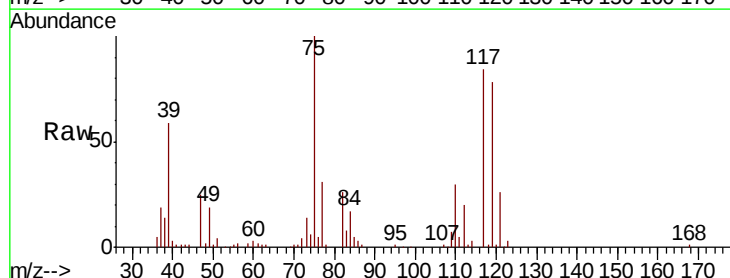
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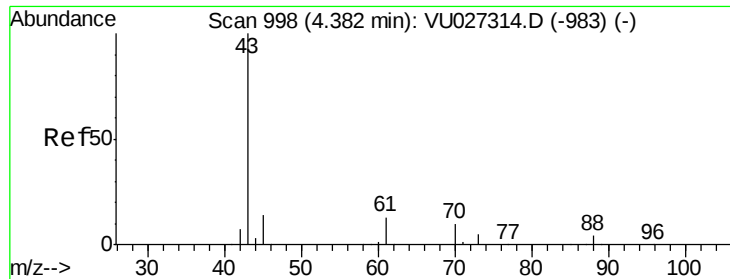
MMDadoda
 10/3/2018 11:41:43 AM



#36
 1,1-Dichloropropene
 Concen: 52.309 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027314.D
 Acq: 01 Oct 2018 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	116036		
110	31.0	15.5	46.5	
77	31.7	25.4	38.0	





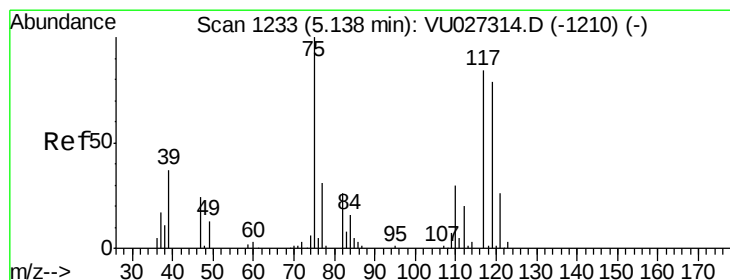
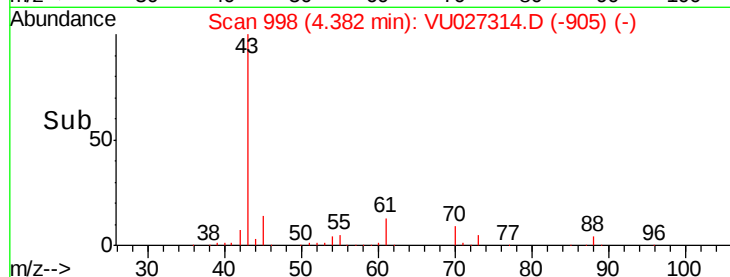
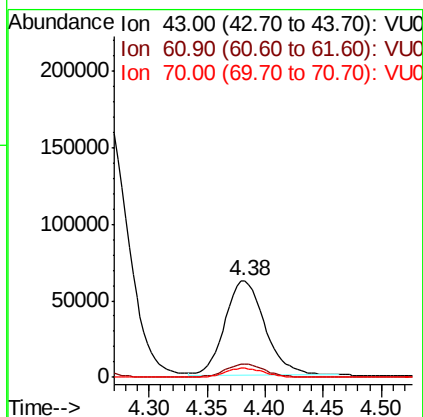
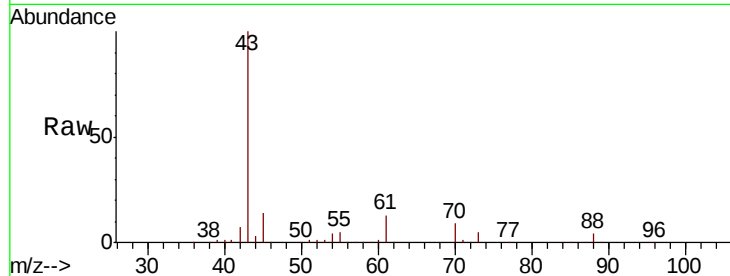
#37
Ethyl Acetate
Concen: 54.748 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	149756
Ion Ratio	100	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	9.3	7.4	11.2

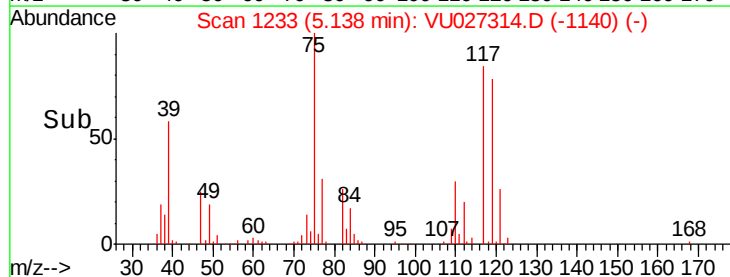
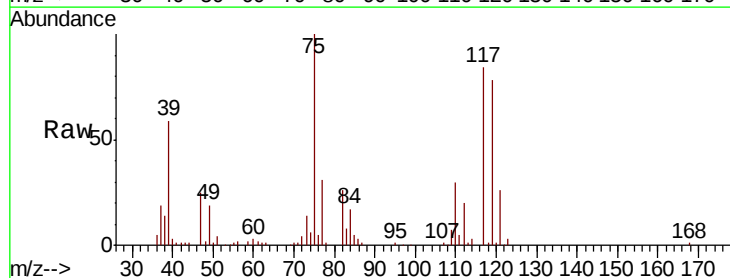
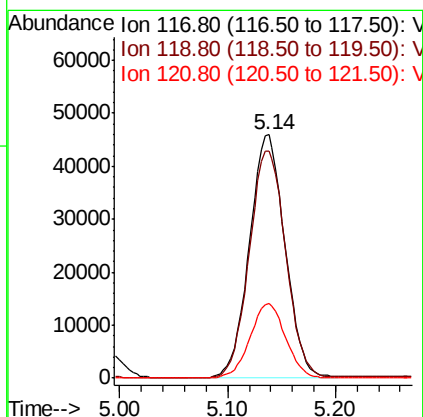
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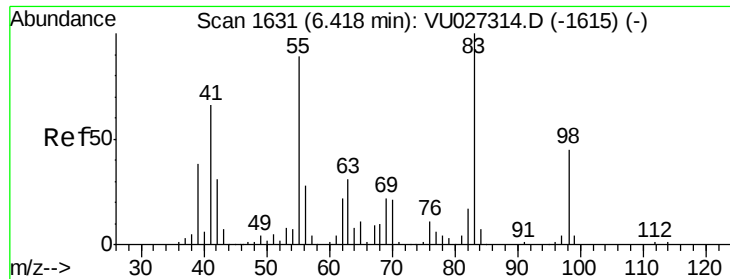
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#38
Carbon Tetrachloride
Concen: 52.614 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Tgt Ion	117	Resp	105429
Ion Ratio	100	Lower	Upper
117	100		
119	93.1	74.5	111.7
121	30.8	24.6	37.0





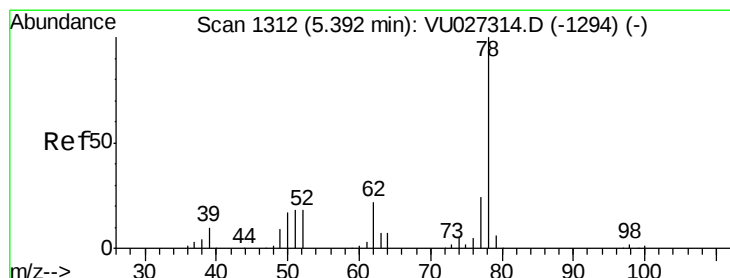
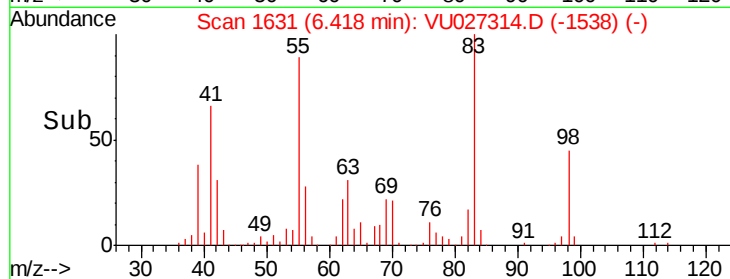
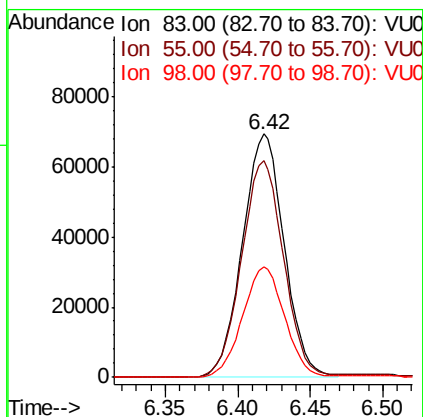
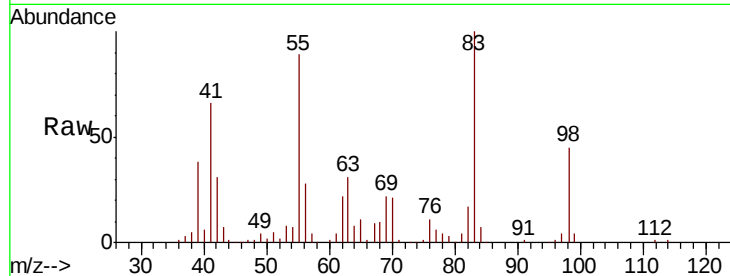
#39
Methylvlcvclohexane
Concen: 53.590 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.9	71.1	106.7
98	45.4	36.3	54.5

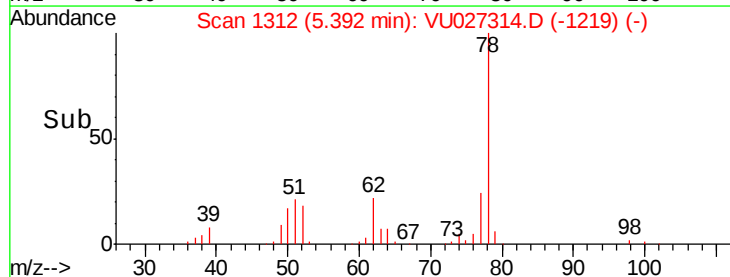
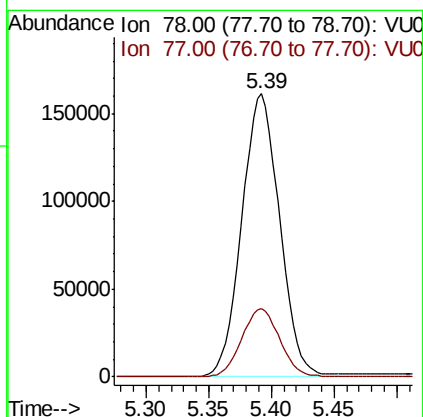
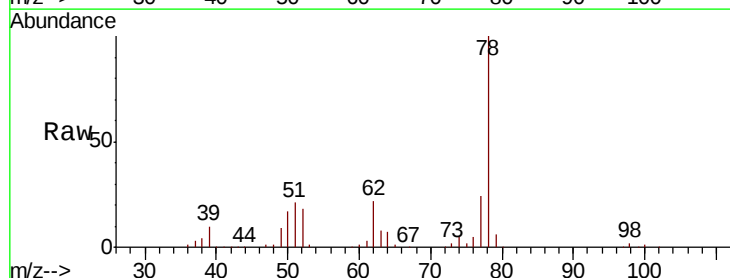
Manual Integrations
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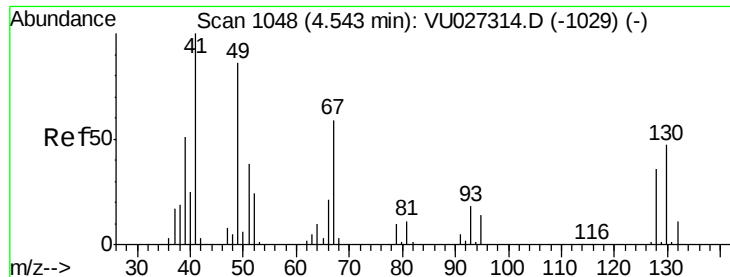
MMDadoda
10/3/2018 11:41:43 AM



#40
Benzene
Concen: 52.534 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





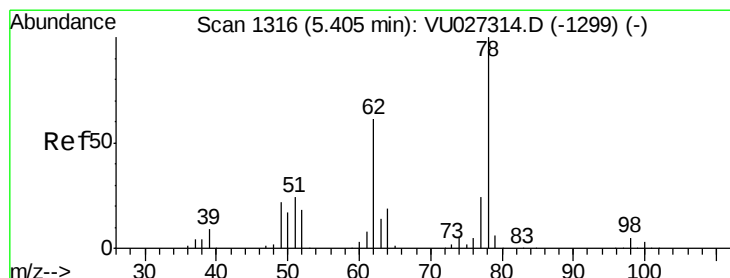
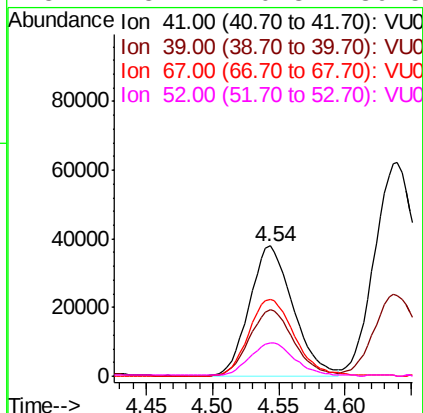
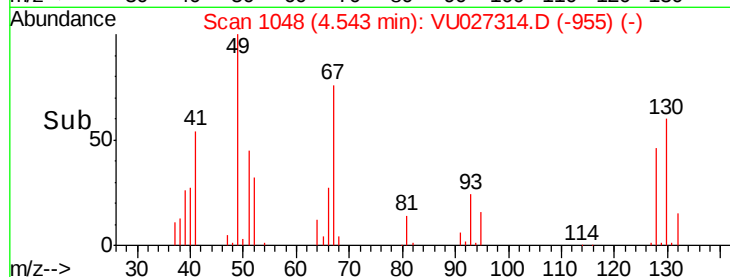
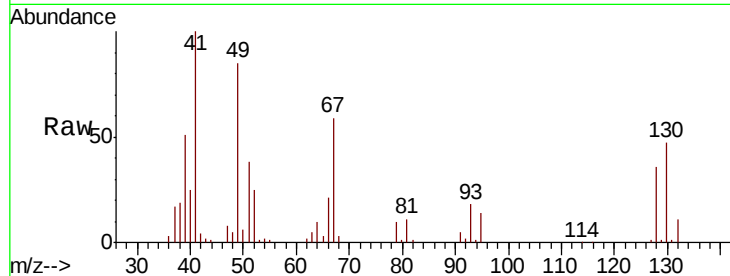
#41
Methacrylonitrile
Concen: 53.677 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.4	41.1	61.7	
67	63.0	50.4	75.6	
52	25.4	20.3	30.5	

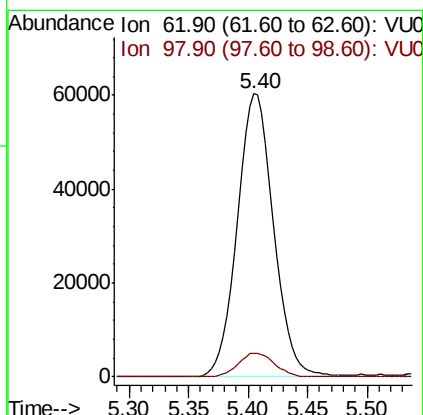
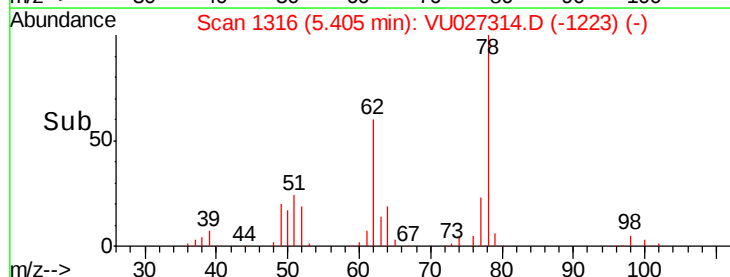
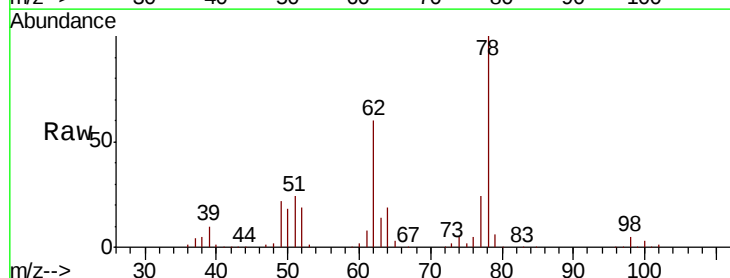
Manual Integrations
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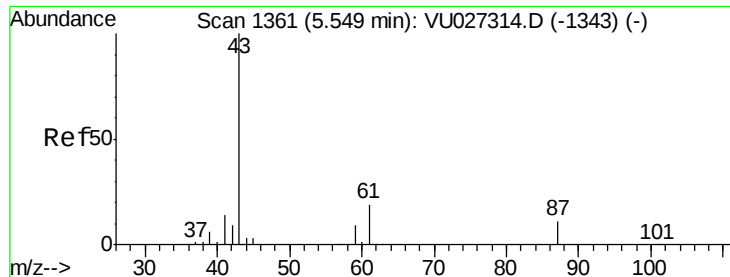
MMDadoda
10/3/2018 11:41:43 AM



#42
1,2-Dichloroethane
Concen: 53.169 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

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





#43

Isopropyl Acetate

Concen: 54.858 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU027314.D

Acq: 01 Oct 2018 11:16

Instrument :

MSVOA_U

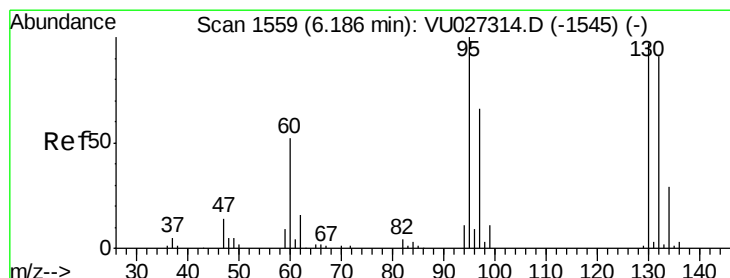
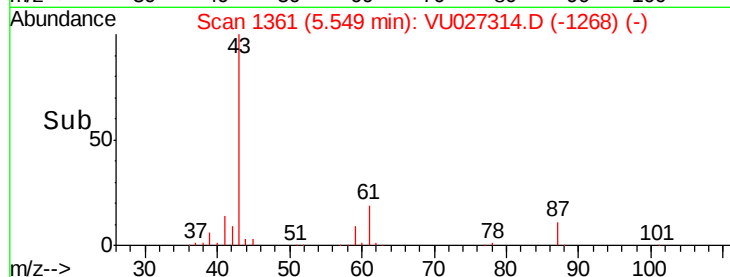
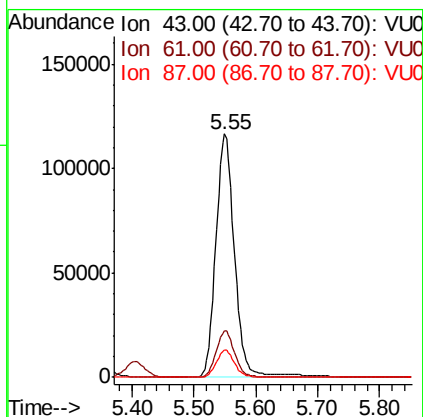
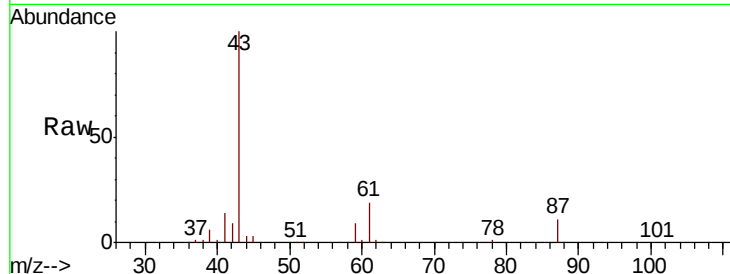
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	244265
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.3	22.9
87	10.8	8.6	13.0

Manual Integrations
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MMDadoda
10/3/2018 11:41:43 AM



#44

Trichloroethene

Concen: 52.601 ug/l

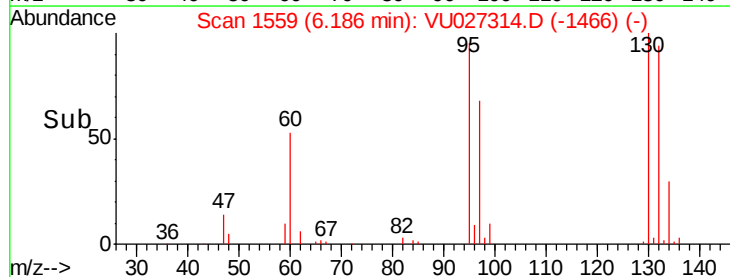
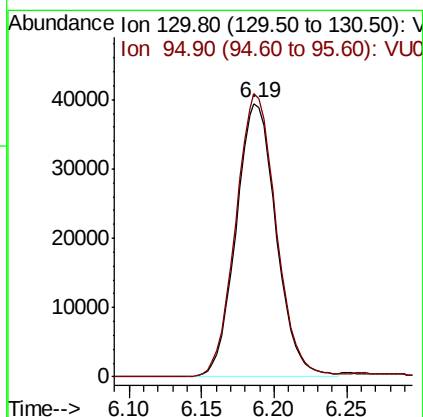
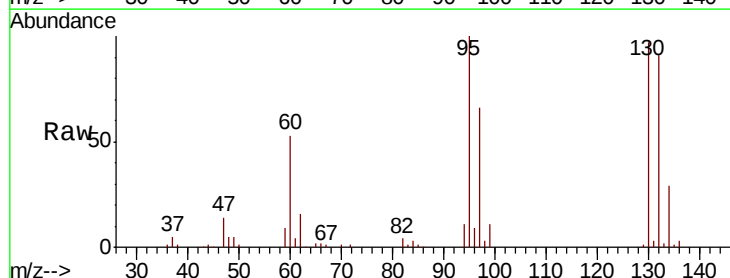
RT: 6.19 min Scan# 1559

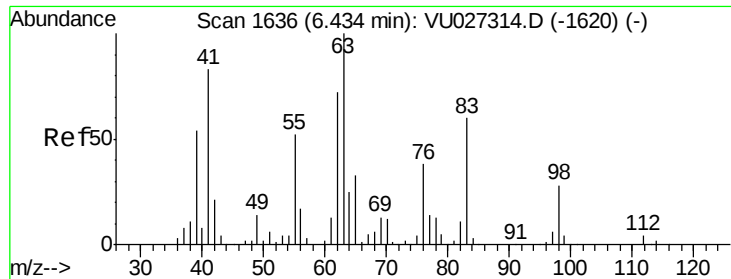
Delta R.T. 0.00 min

Lab File: VU027314.D

Acq: 01 Oct 2018 11:16

Tgt Ion:	130	Resp:	75789
Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	207.0





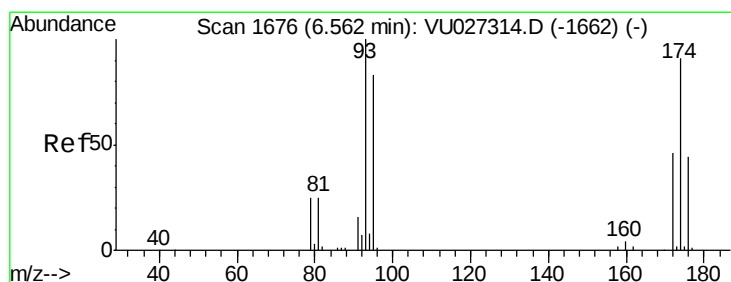
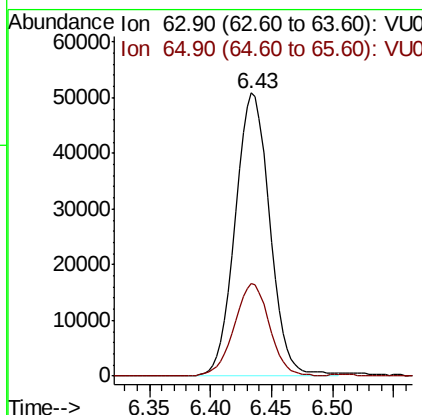
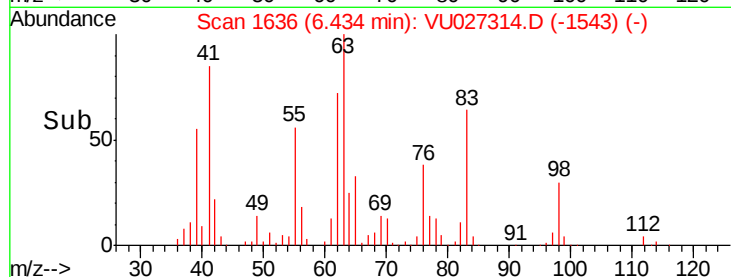
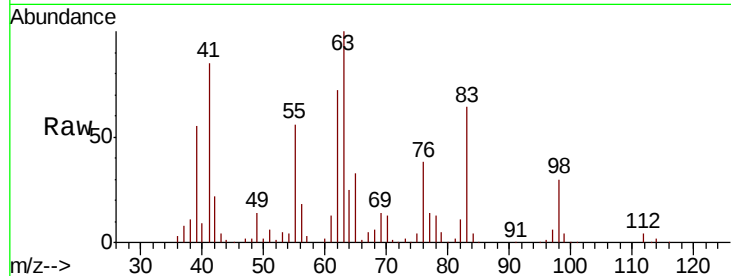
#45
 1,2-Dichloropropane
 Concen: 53.705 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027314.D
 Acq: 01 Oct 2018 11:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 100093
 Ion Ratio Lower Upper
 63 100
 65 32.5 26.0 39.0

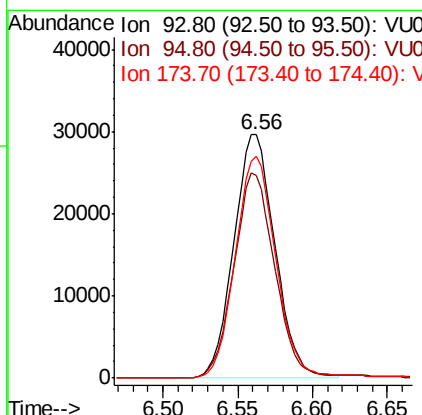
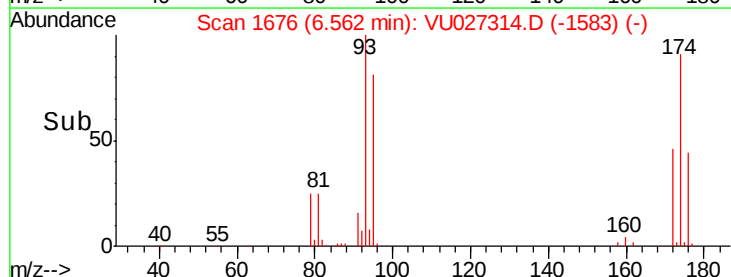
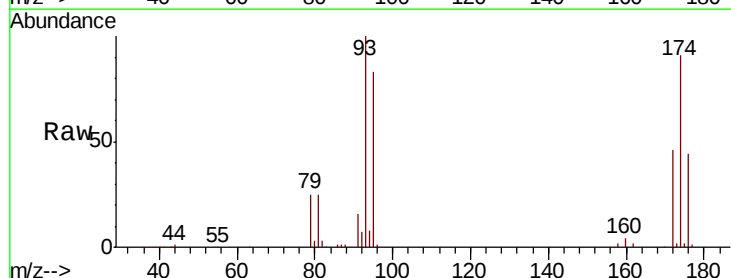
Manual Integrations
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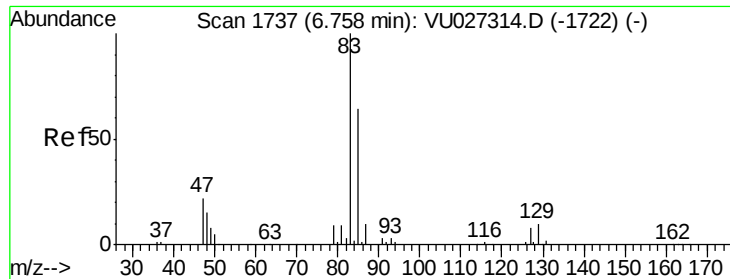
MMDadoda
 10/3/2018 11:41:43 AM



#46
 Dibromomethane
 Concen: 54.169 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027314.D
 Acq: 01 Oct 2018 11:16

Tgt Ion: 93 Resp: 57019
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.5 99.7
 174 90.6 72.5 108.7





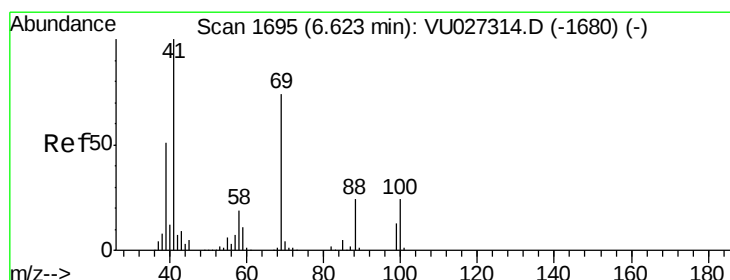
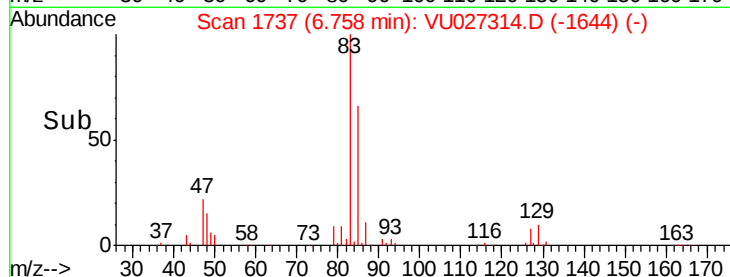
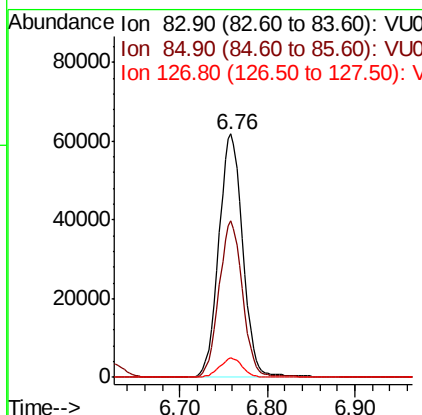
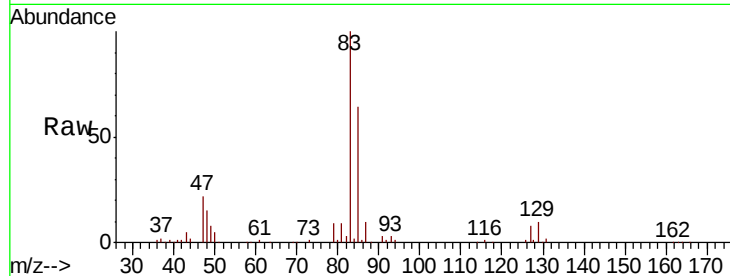
#47
Bromodichloromethane
Concen: 53.864 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	117649
Ion Ratio	100		
Lower	51.4		
Upper	77.0		
85	64.2		
127	7.9		

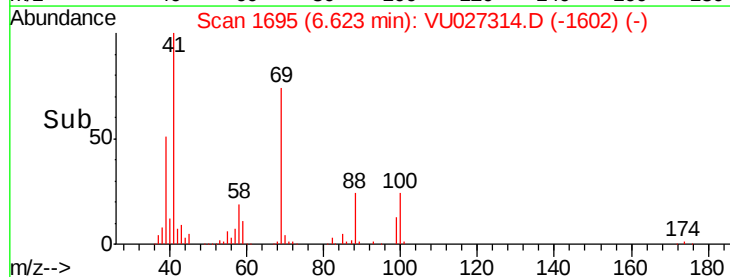
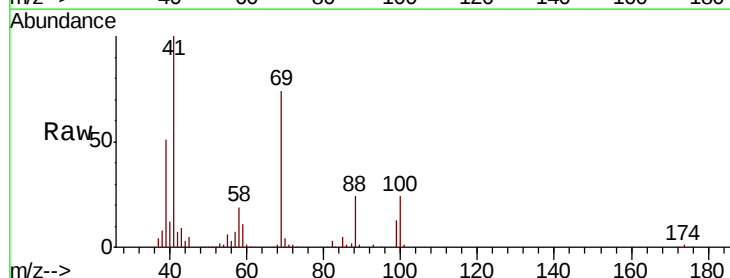
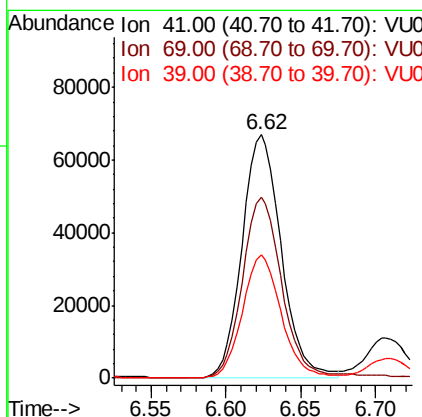
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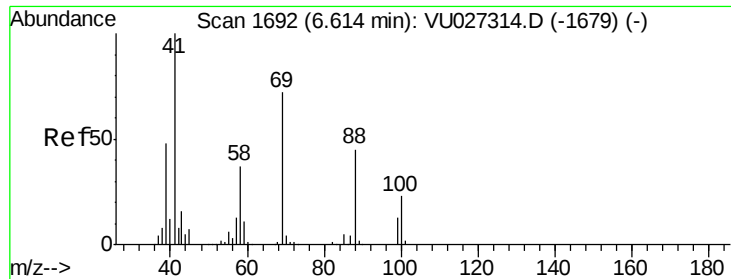
MMDadoda
10/3/2018 11:41:43 AM



#48
Methyl methacrylate
Concen: 55.410 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Tgt Ion	41	Resp	122692
Ion Ratio	100		
Lower	61.0		
Upper	91.4		
69	76.2		
39	49.9		





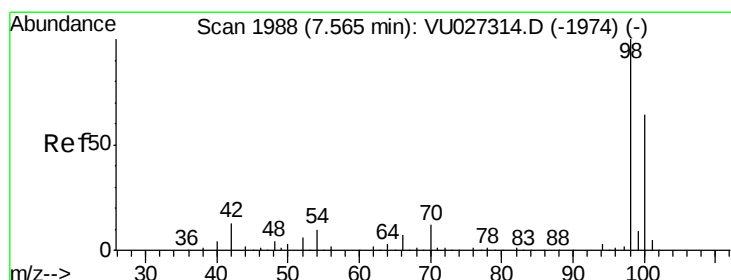
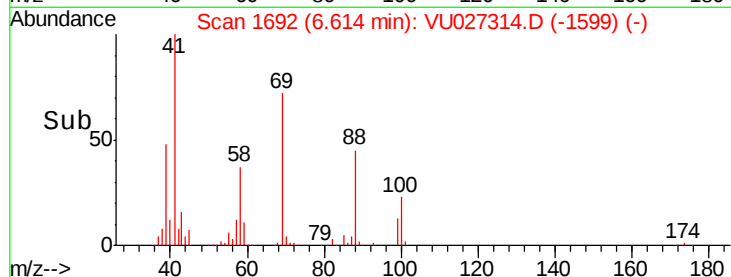
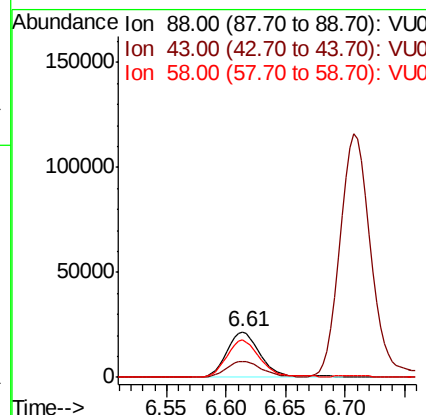
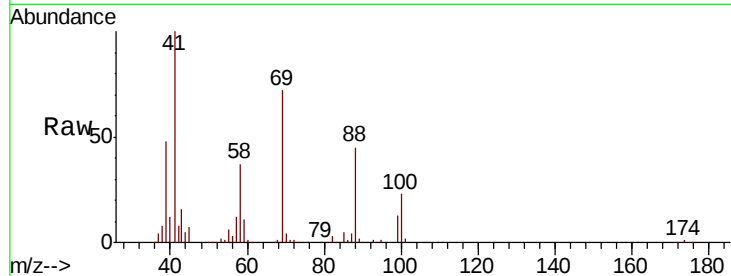
#49
1,4-Dioxane
Concen: 1097.962 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.5	30.8	46.2
58	83.8	67.0	100.6

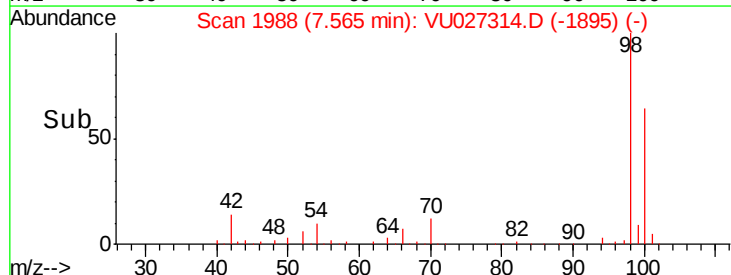
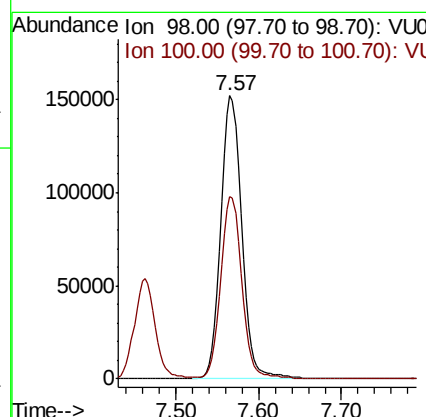
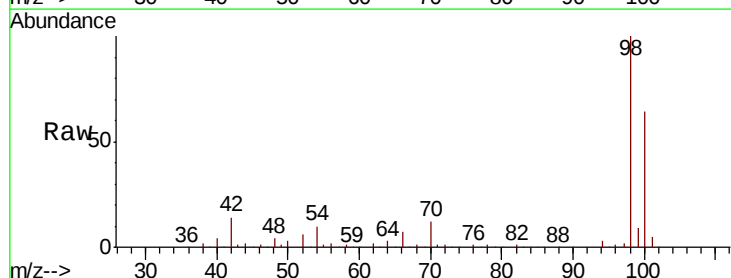
Manual Integrations
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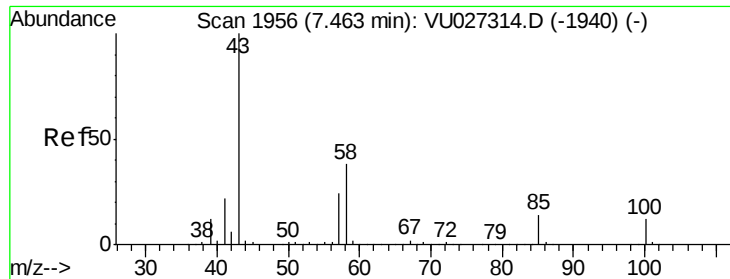
MMDadoda
10/3/2018 11:41:43 AM



#50
Toluene-d8
Concen: 50.837 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 273.942 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027314.D

Acq: 01 Oct 2018 11:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 792621

Ion Ratio Lower Upper

43 100

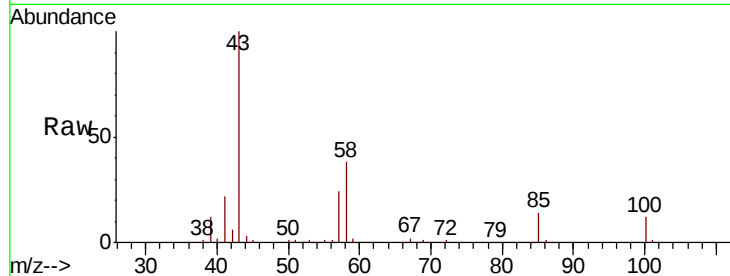
58 37.3 29.8 44.8

Manual Integrations

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MMDadoda

10/3/2018 11:41:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

400000

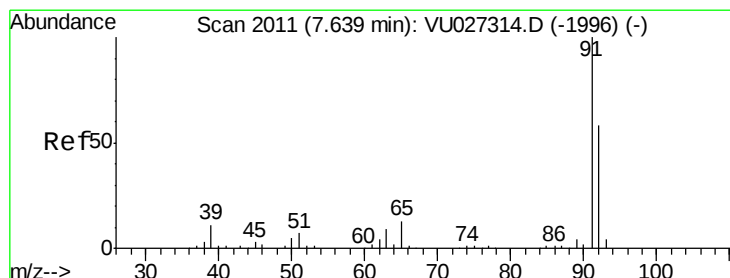
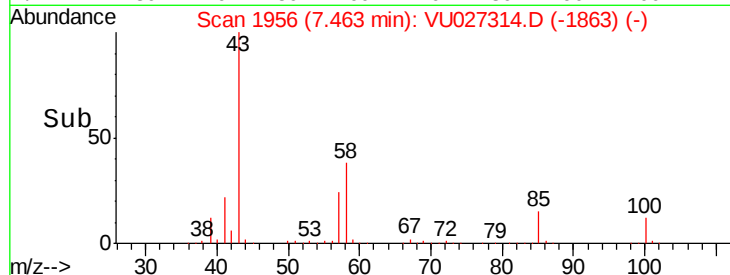
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.435 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027314.D

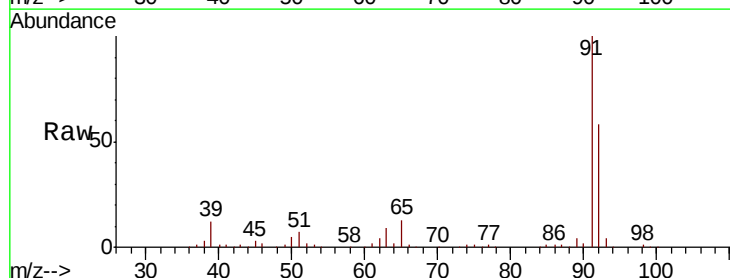
Acq: 01 Oct 2018 11:16

Tgt Ion: 92 Resp: 204369

Ion Ratio Lower Upper

92 100

91 173.3 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

200000

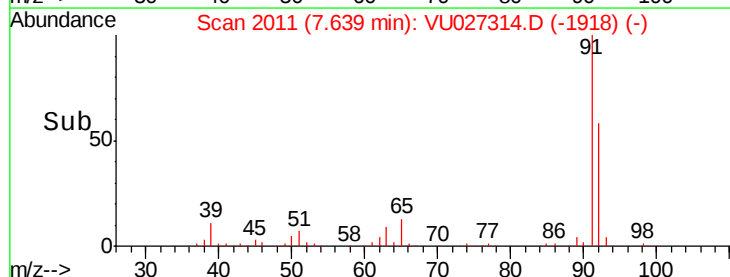
150000

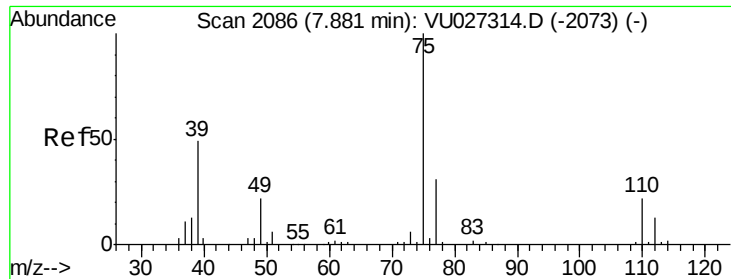
100000

50000

0

Time-->





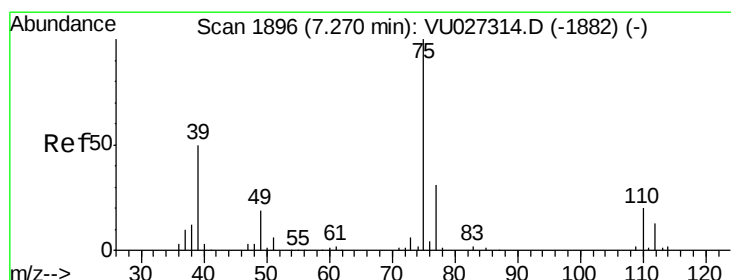
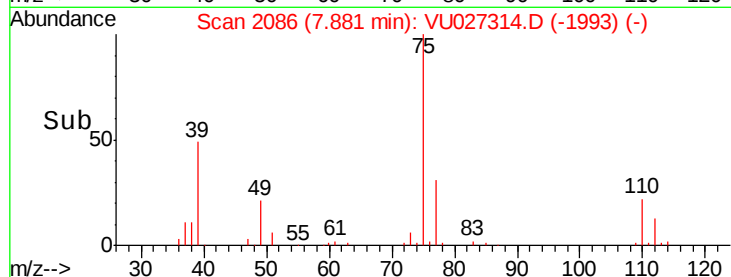
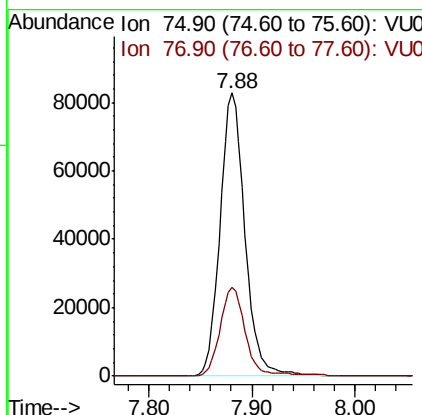
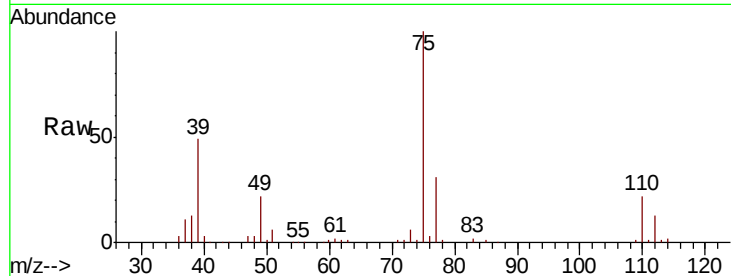
#53
t-1,3-Dichloropropene
Concen: 54.174 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 138734
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6

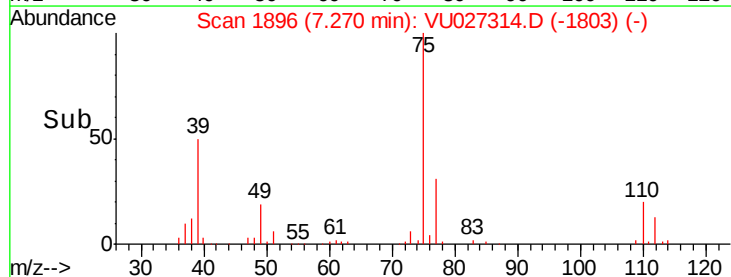
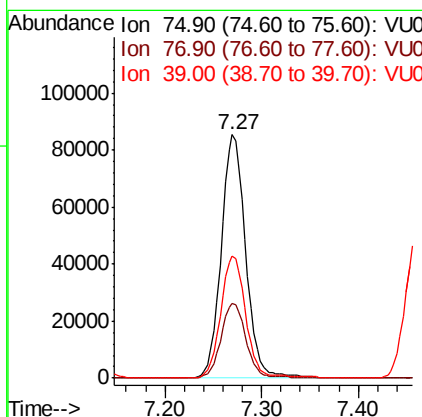
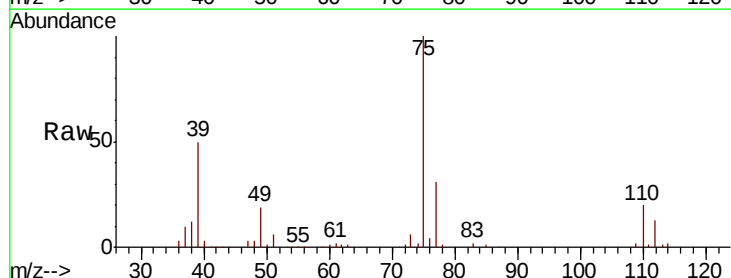
Manual Integrations
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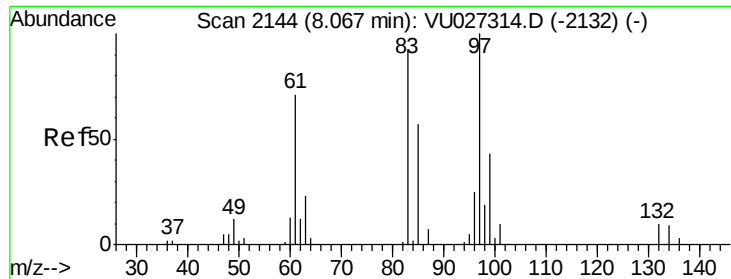
MMDadoda
10/3/2018 11:41:43 AM



#54
cis-1,3-Dichloropropene
Concen: 54.395 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Tgt Ion: 75 Resp: 149752
Ion Ratio Lower Upper
75 100
77 30.6 24.5 36.7
39 50.1 40.1 60.1





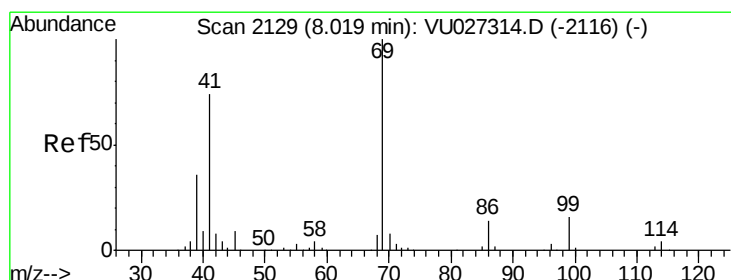
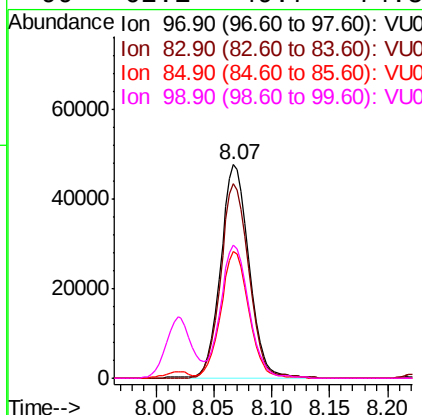
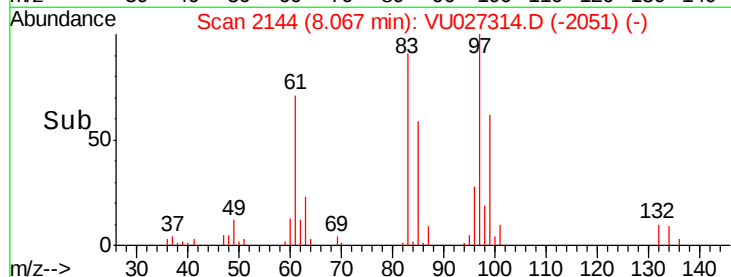
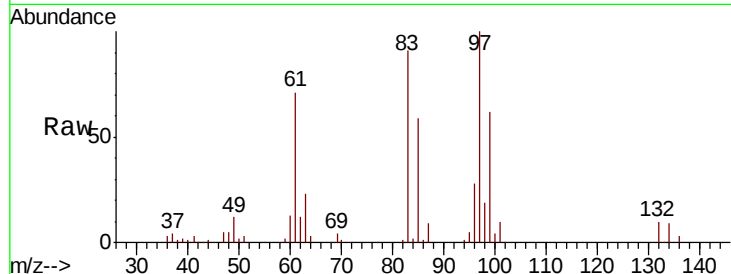
#55
 1,1,2-Trichloroethane
 Concen: 53.669 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU027314.D
 Acq: 01 Oct 2018 11:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	81383
Ion	Ratio	Lower	Upper
97	100		
83	91.3	73.0	109.6
85	59.1	47.3	70.9
99	62.1	49.7	74.5

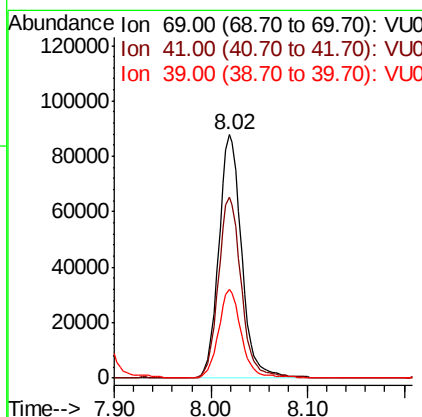
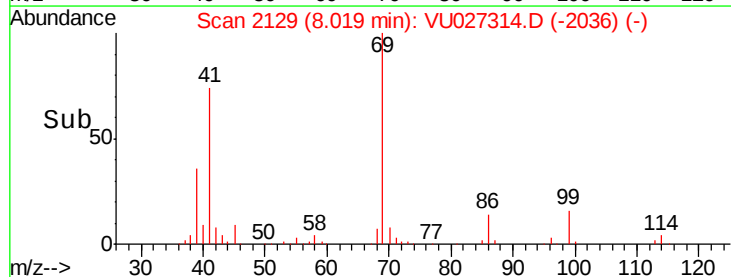
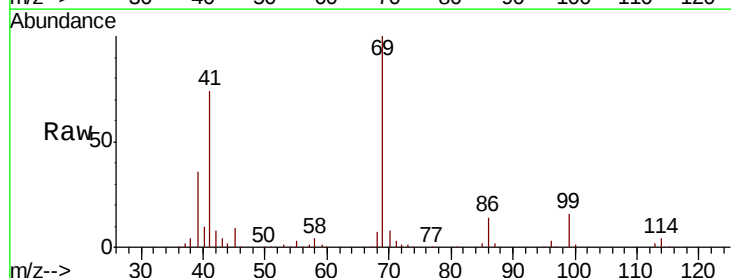
Manual Integrations
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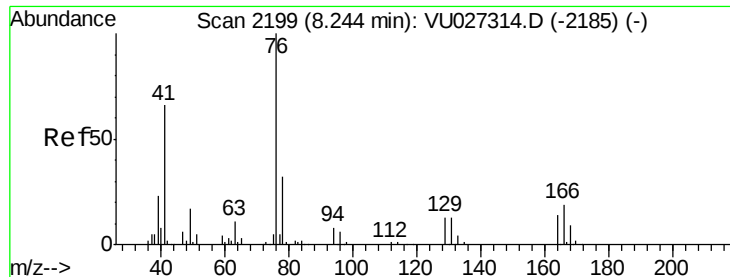
MMDadoda
 10/3/2018 11:41:43 AM



#56
 Ethyl methacrylate
 Concen: 57.213 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027314.D
 Acq: 01 Oct 2018 11:16

Tgt Ion:	69	Resp:	143984
Ion	Ratio	Lower	Upper
69	100		
41	75.0	60.0	90.0
39	36.9	29.5	44.3





#57

1,3-Dichloropropane

Concen: 52.790 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027314.D

Acq: 01 Oct 2018 11:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 155401

Ion Ratio Lower Upper

76 100

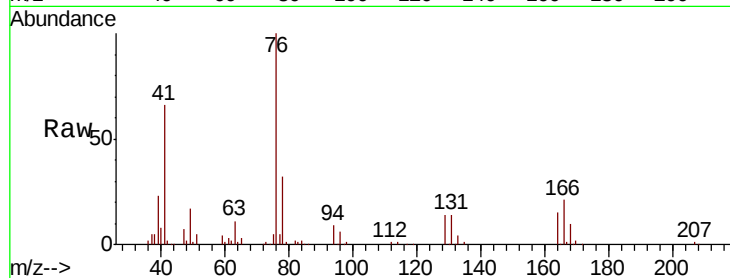
78 32.2 25.8 38.6

Manual Integrations

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MMDadoda

10/3/2018 11:41:43 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.24

100000

80000

60000

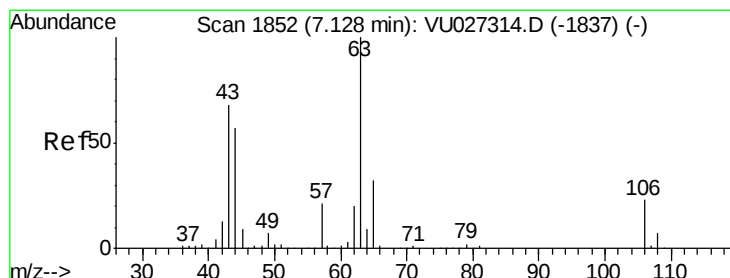
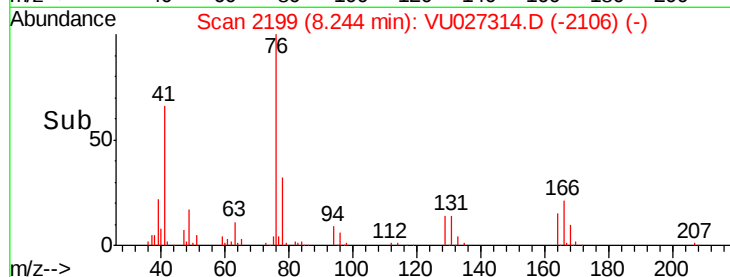
40000

20000

0

8.20 8.30

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 280.875 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU027314.D

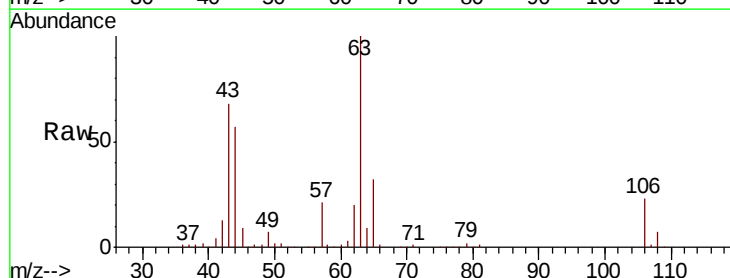
Acq: 01 Oct 2018 11:16

Tgt Ion: 63 Resp: 394873

Ion Ratio Lower Upper

63 100

106 23.1 18.5 27.7



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.13

250000

200000

150000

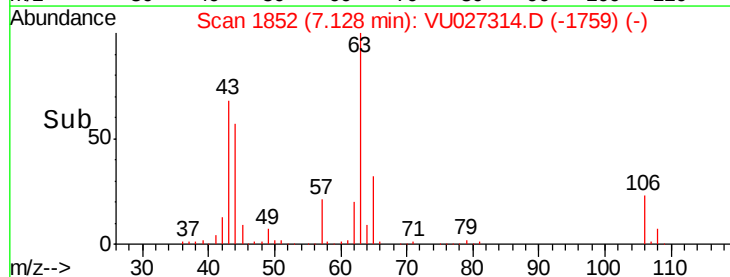
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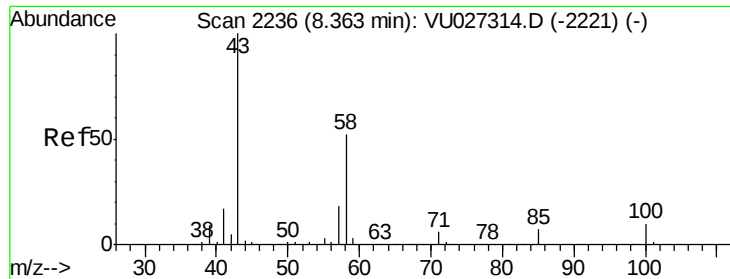
50000

0

7.10 7.20 7.30

Time-->





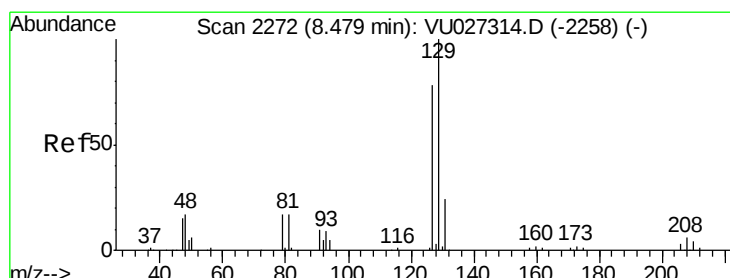
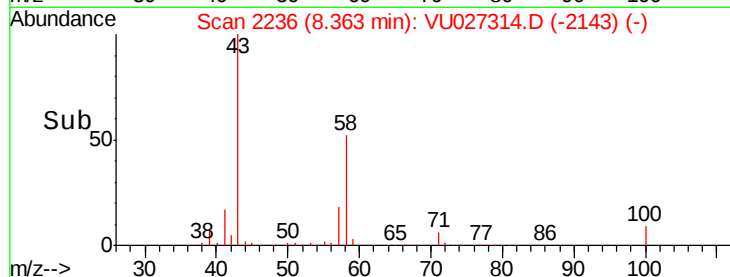
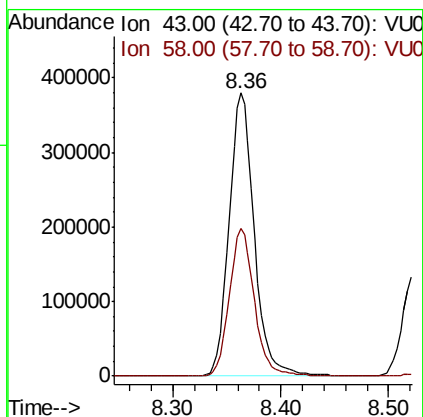
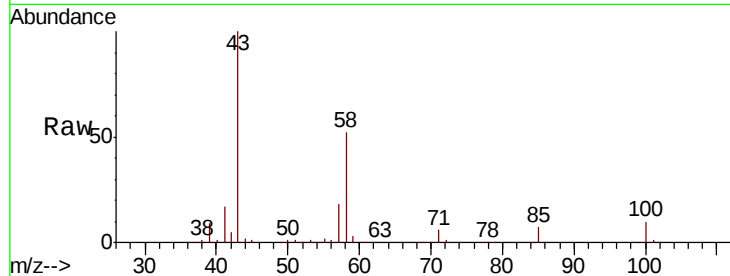
#59
2-Hexanone
Concen: 274.949 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 617114
Ion Ratio Lower Upper
43 100
58 52.2 26.1 78.3

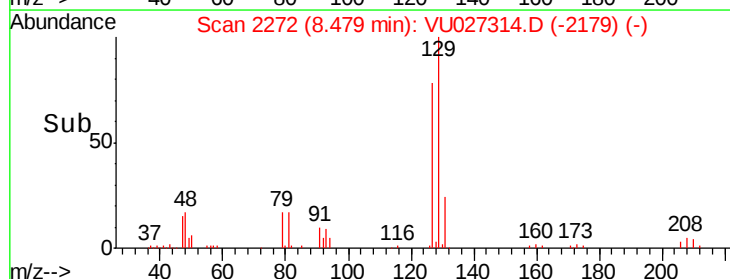
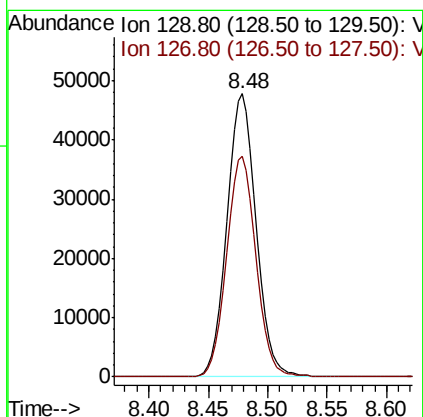
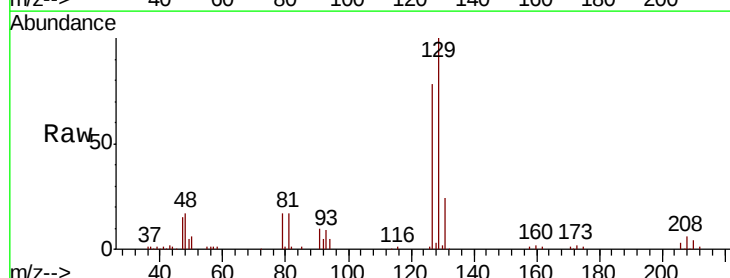
Manual Integrations
APPROVED

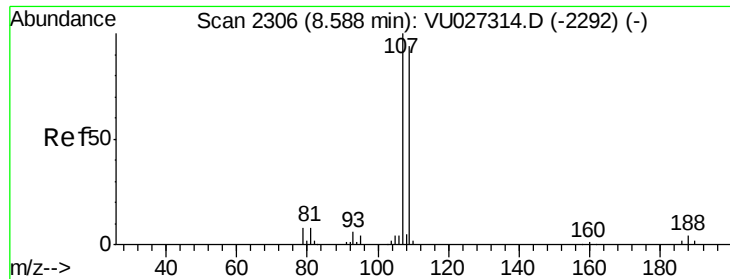
MMDadoda
10/3/2018 11:41:43 AM



#60
Dibromochloromethane
Concen: 53.534 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Tgt Ion: 129 Resp: 81418
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





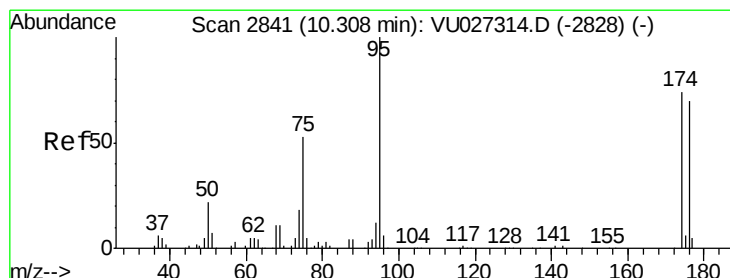
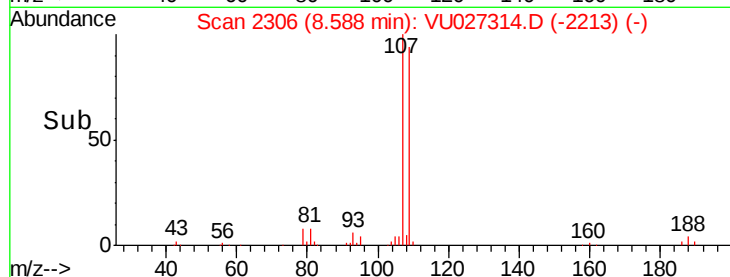
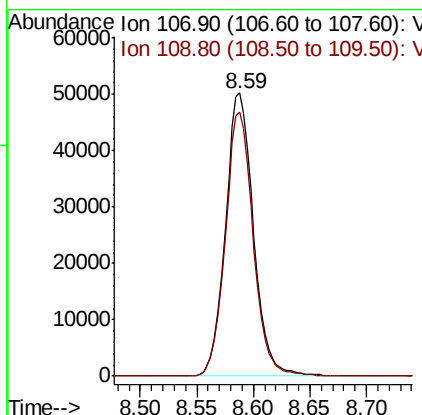
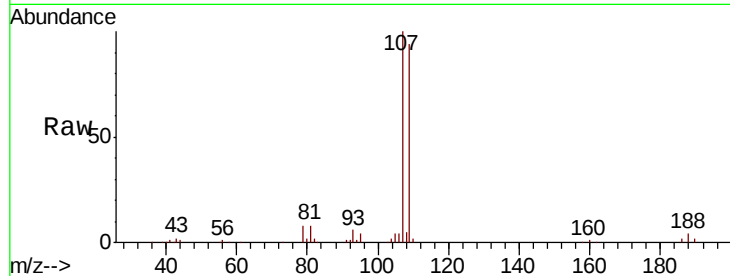
#61
 1,2-Dibromoethane
 Concen: 53.505 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027314.D
 Acq: 01 Oct 2018 11:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	74.5	111.7

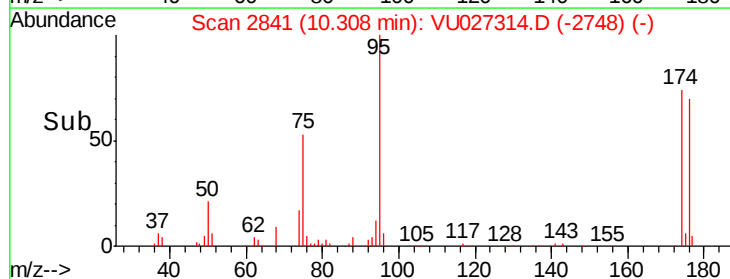
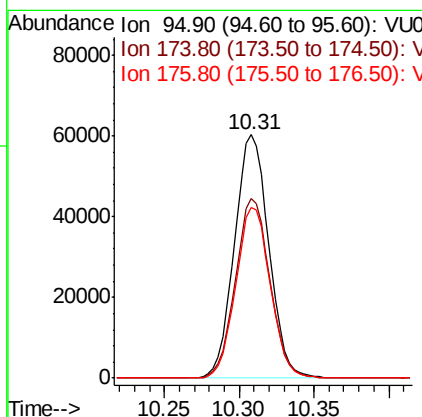
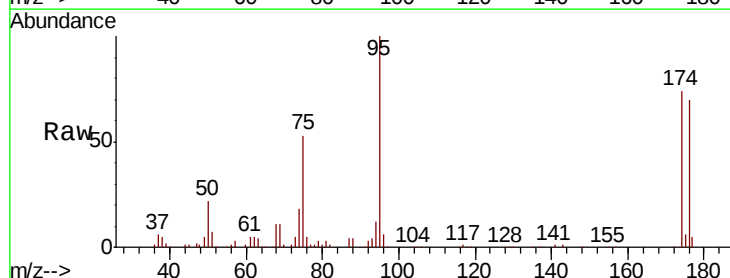
Manual Integrations
 APPROVED

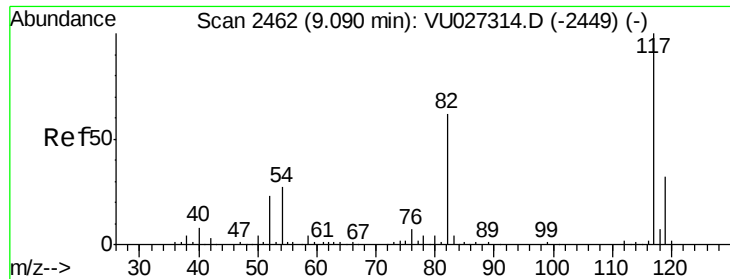
MMDadoda
 10/3/2018 11:41:43 AM



#62
 4-Bromofluorobenzene
 Concen: 50.280 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027314.D
 Acq: 01 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	147.8
176	70.4	0.0	140.8





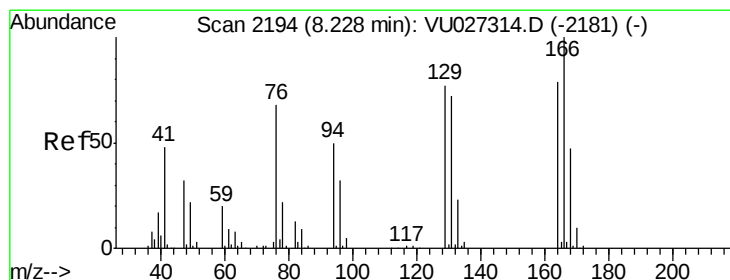
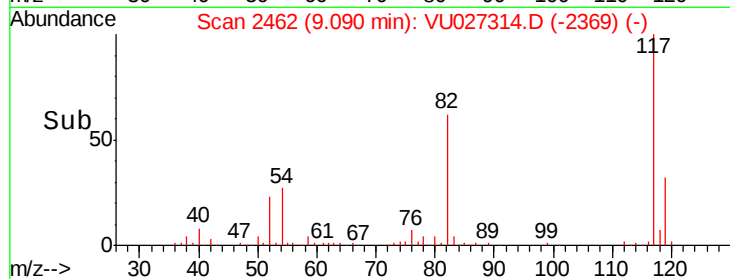
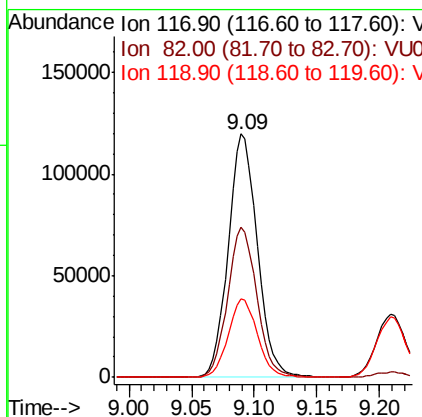
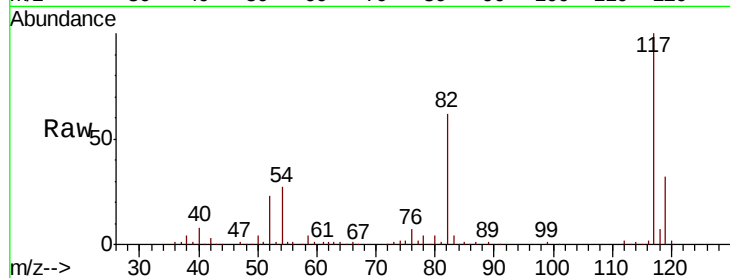
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	49.2	73.8
119	32.1	25.7	38.5

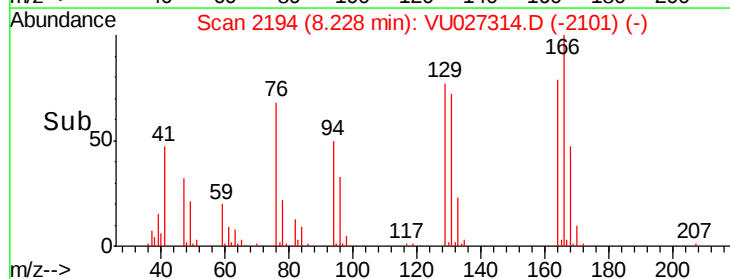
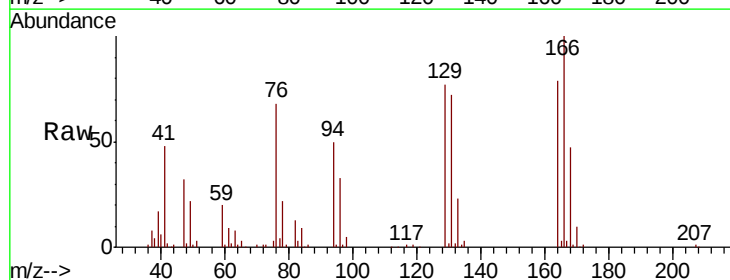
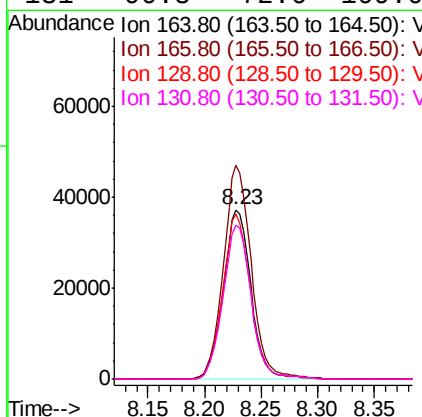
Manual Integrations
APPROVED

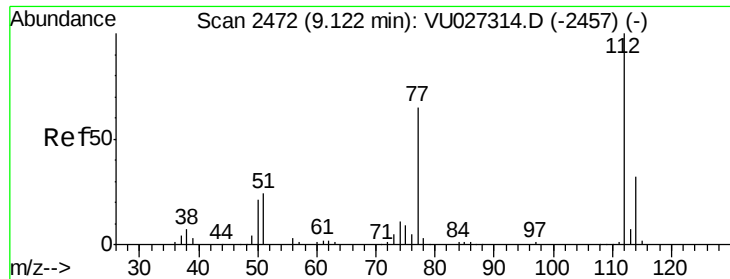
MMDadoda
10/3/2018 11:41:43 AM



#64
Tetrachloroethene
Concen: 52.694 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.0	151.6
129	97.5	78.0	117.0
131	90.8	72.6	109.0





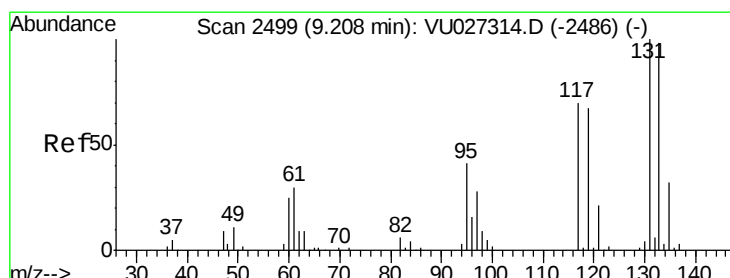
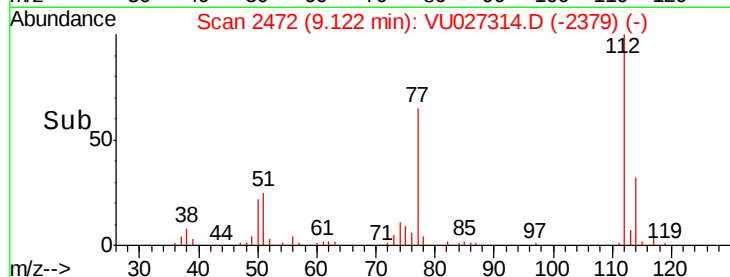
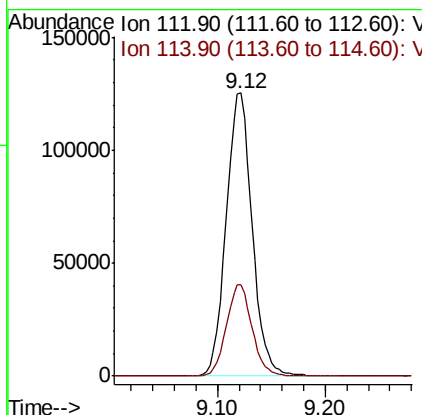
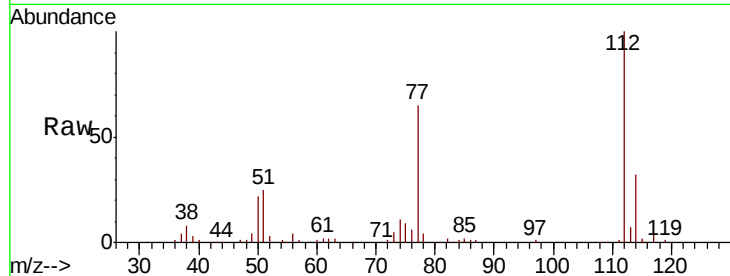
#65
Chlorobenzene
Concen: 51.636 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 210967
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6

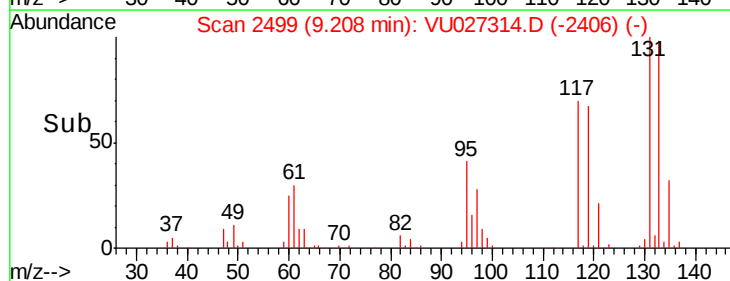
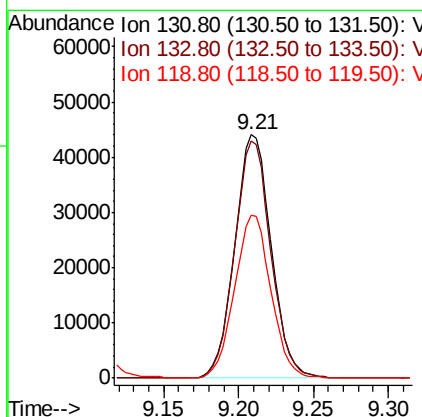
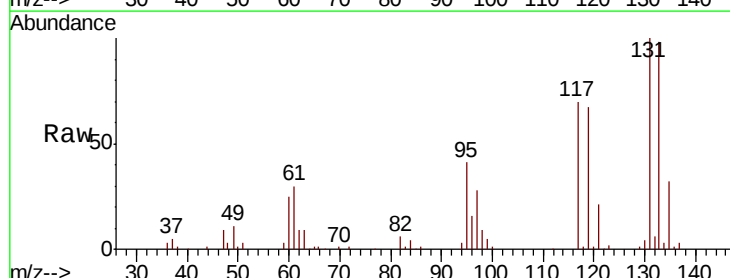
Manual Integrations
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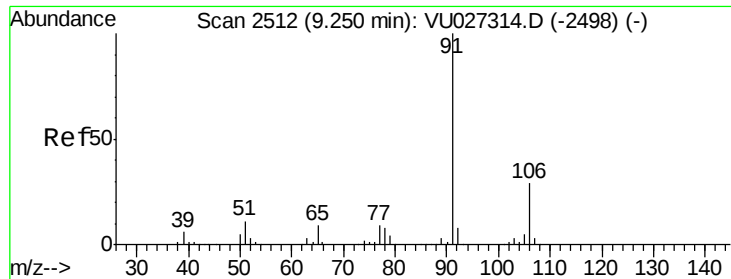
MMDadoda
10/3/2018 11:41:43 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.938 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Tgt Ion:131 Resp: 74666
Ion Ratio Lower Upper
131 100
133 97.1 48.5 145.6
119 66.9 33.5 100.4





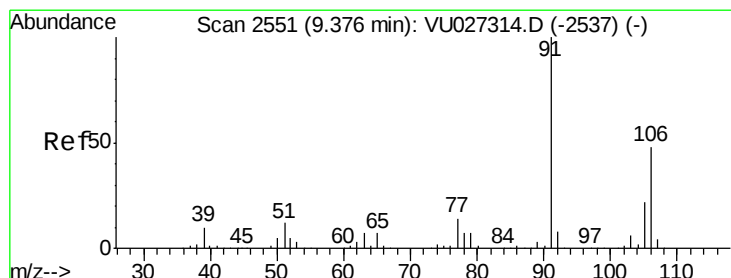
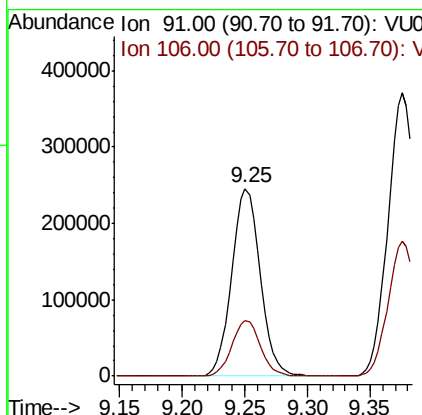
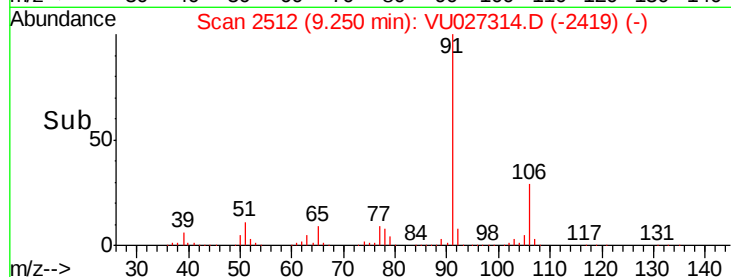
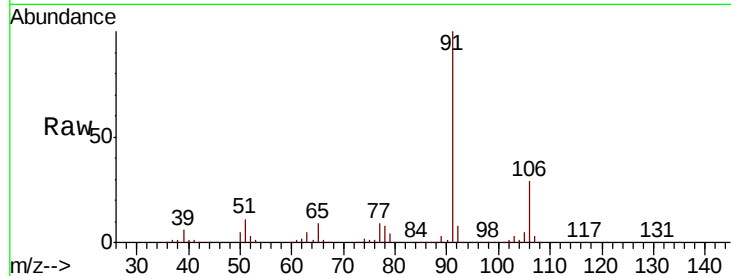
#67
Ethyl Benzene
Concen: 53.831 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 389663
Ion Ratio Lower Upper
91 100
106 29.5 23.6 35.4

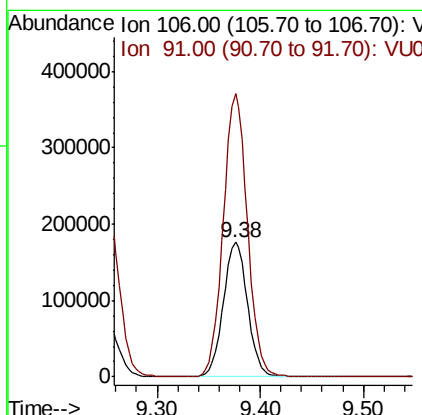
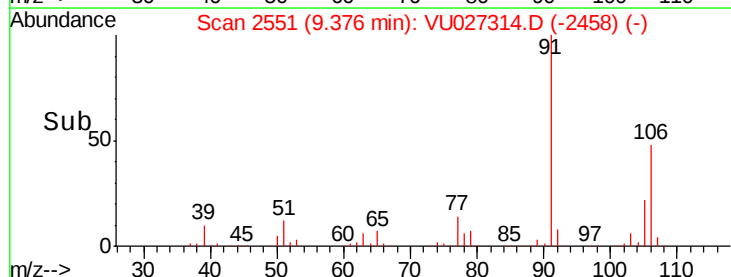
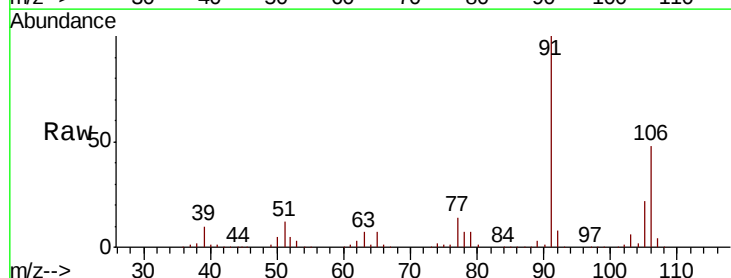
Manual Integrations
APPROVED

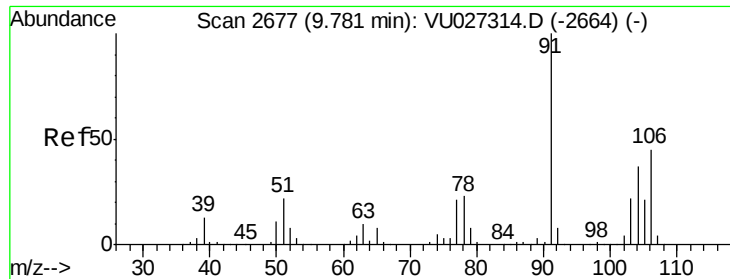
MMDadoda
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#68
m/p-Xylenes
Concen: 109.121 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Tgt Ion: 106 Resp: 288930
Ion Ratio Lower Upper
106 100
91 210.1 168.1 252.1





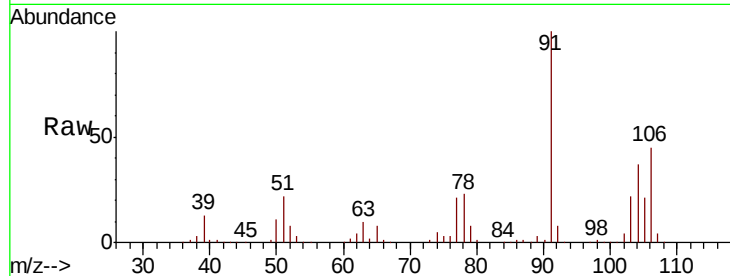
#69
o-Xylene
Concen: 55.468 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

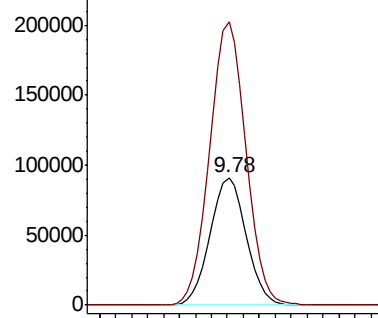
Tot Ion:106 Resp: 139566
Ion Ratio Lower Upper
106 100
91 223.3 111.7 334.9

Manual Integrations
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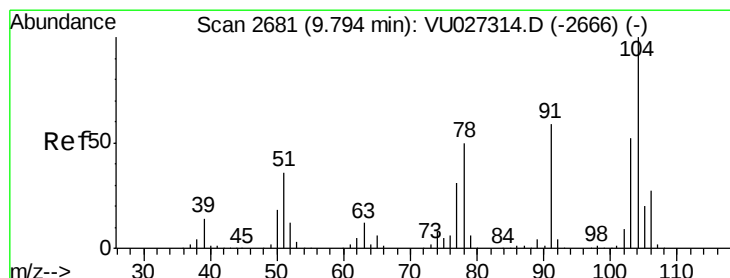
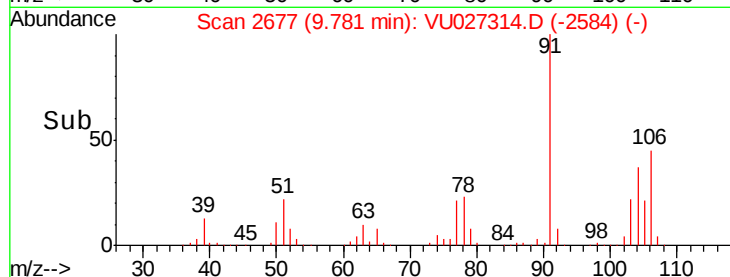
MMDadoda
10/3/2018 11:41:43 AM



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

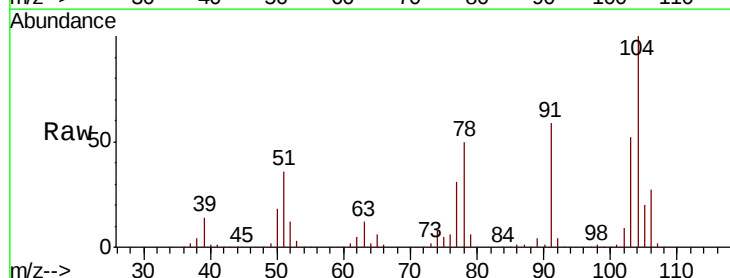


Time-->

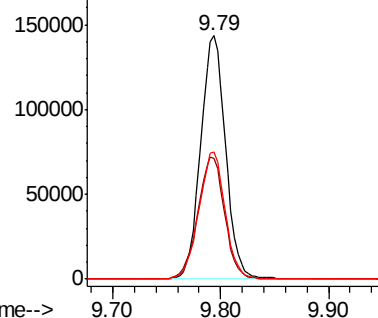


#70
Styrene
Concen: 56.129 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

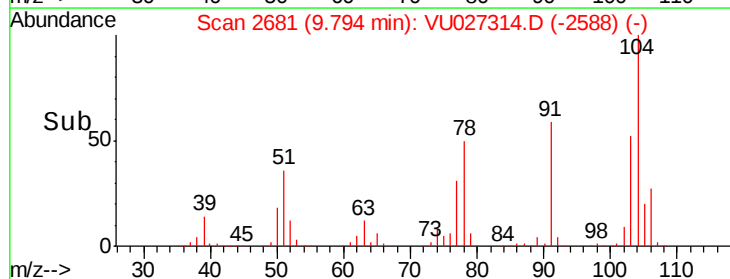
Tgt Ion:104 Resp: 231919
Ion Ratio Lower Upper
104 100
78 53.6 42.9 64.3
103 54.9 43.9 65.9

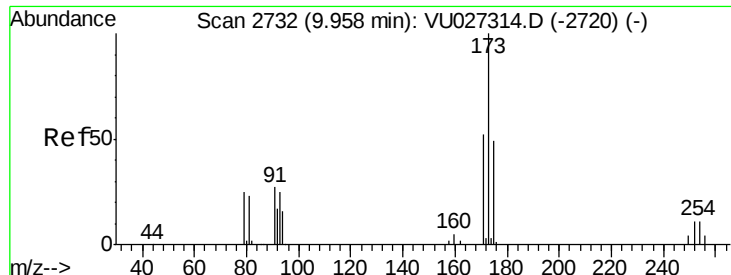


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





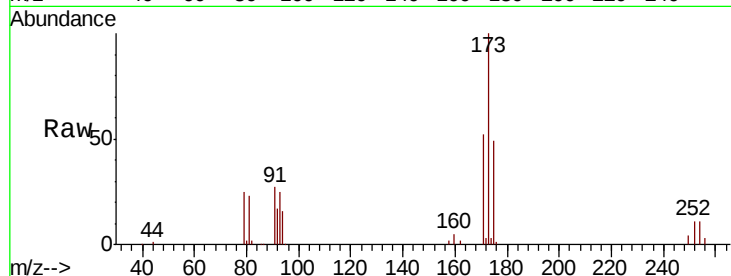
#71
Bromoform
Concen: 52.805 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	73.0
254	0.0	0.0	0.0

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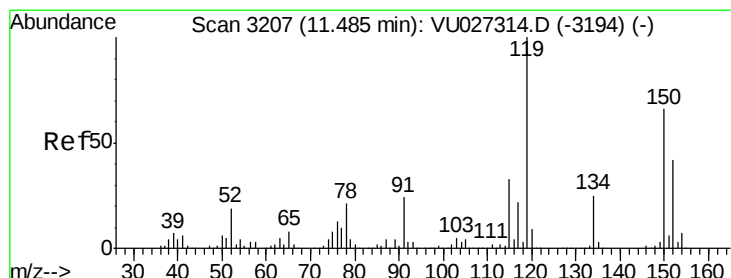
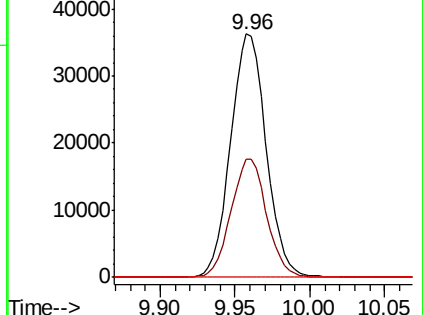
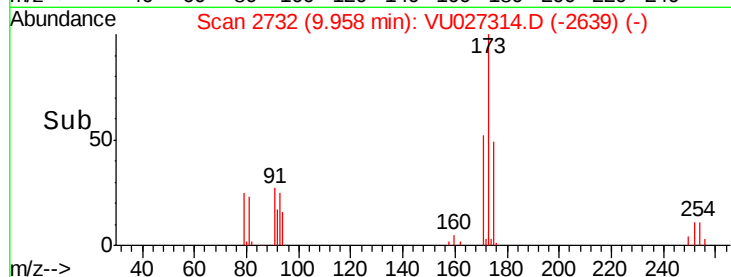


Abundance

Ion 172.70 (172.40 to 173.40): V

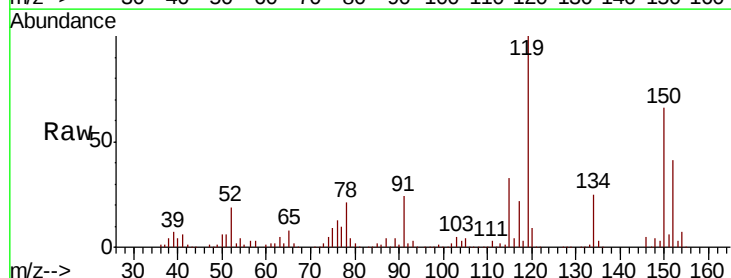
Ion 174.70 (174.40 to 175.40): V

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: VU027314.D
Acq: 01 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	86.8	43.4	130.2
150	174.6	0.0	349.2

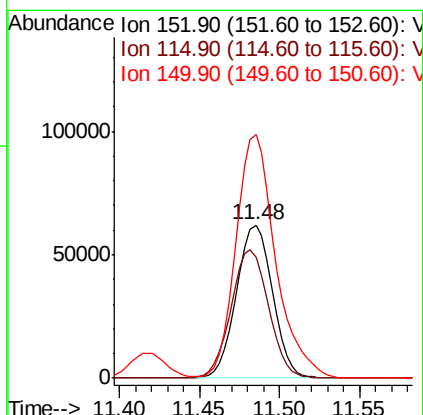
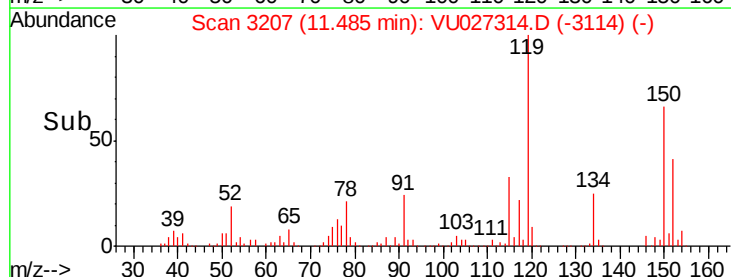


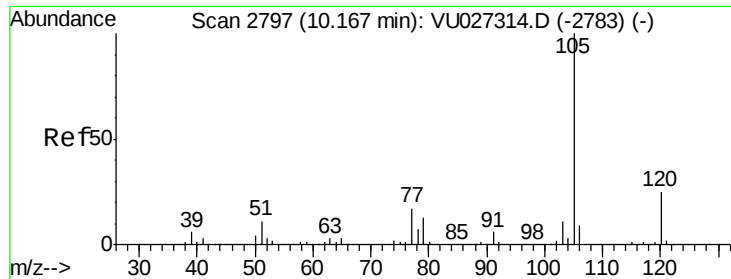
Abundance

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





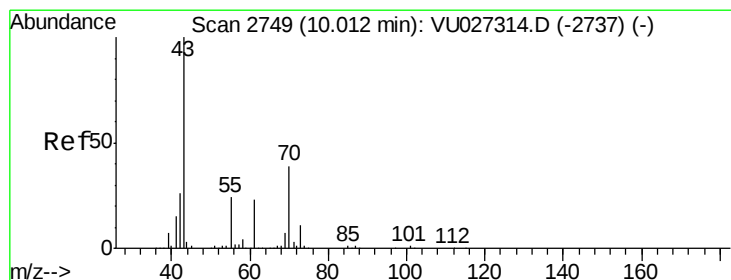
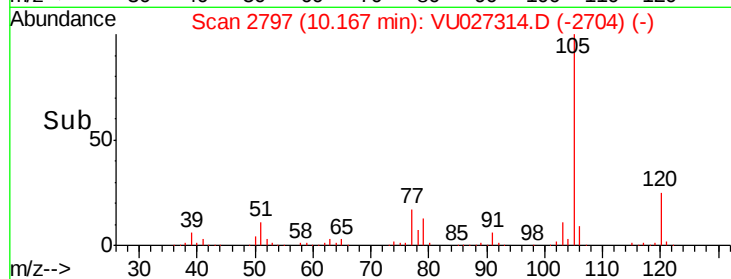
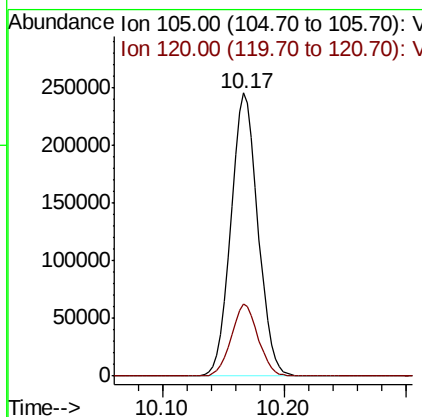
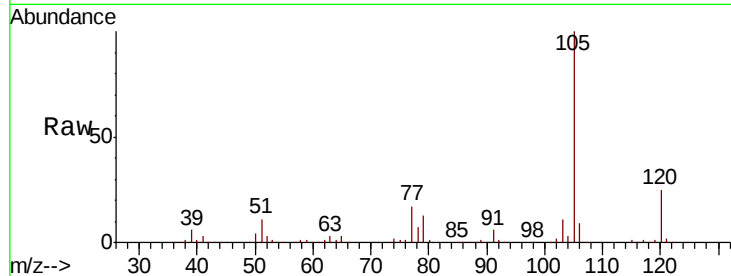
#73
Isopropylbenzene
Concen: 54.658 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.6	37.8

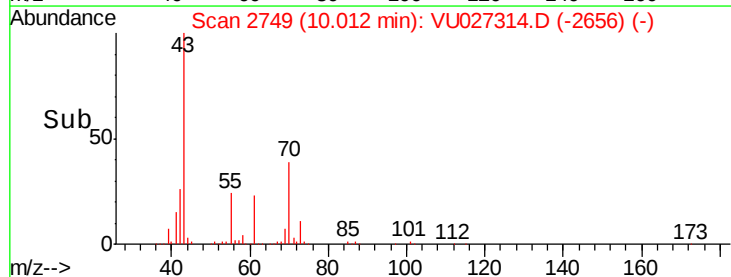
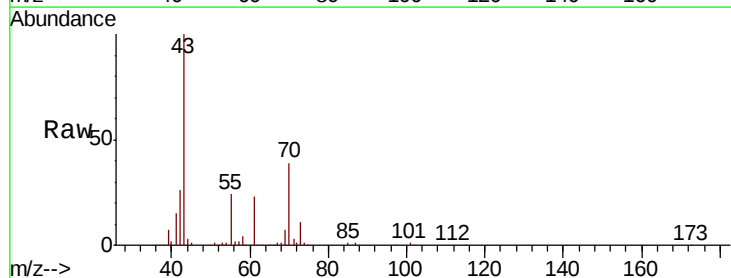
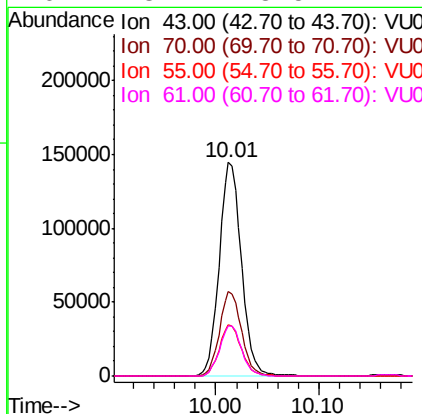
Manual Integrations
APPROVED

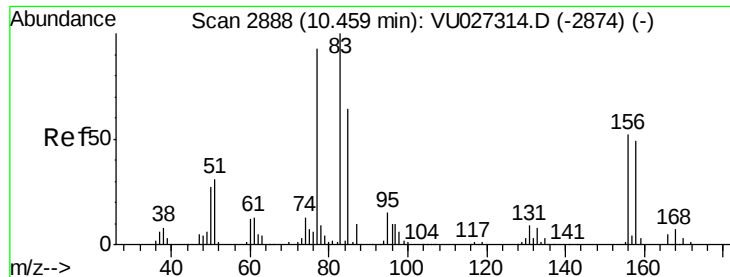
MMDadoda
10/3/2018 11:41:43 AM



#74
N-ethyl acetate
Concen: 54.527 ug/l
RT: 10.01 min Scan# 2749
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.1	31.3	46.9
55	23.8	19.0	28.6
61	23.1	18.5	27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 51.575 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027314.D

Acq: 01 Oct 2018 11:16

Instrument :

MSVOA_U

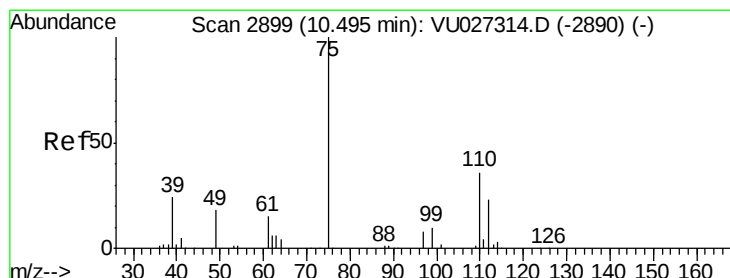
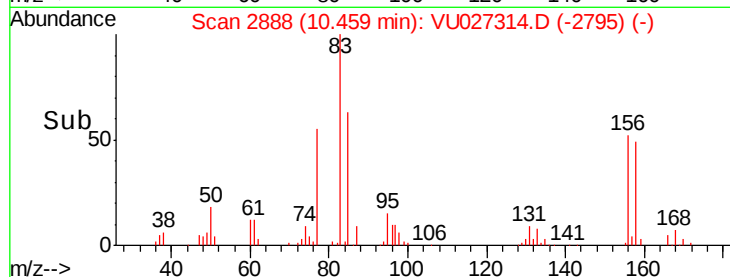
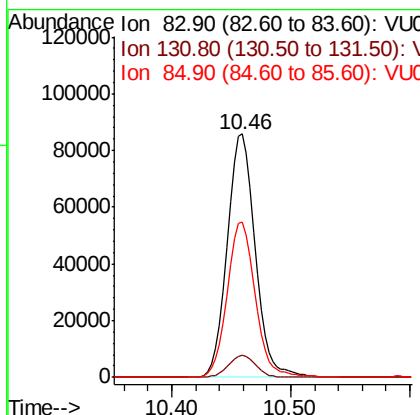
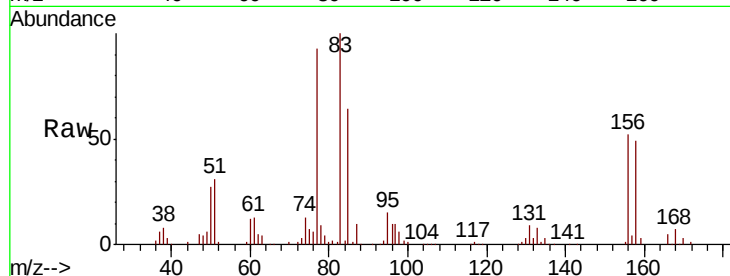
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	140294
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.4	13.2
85	64.0	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.102 ug/l m

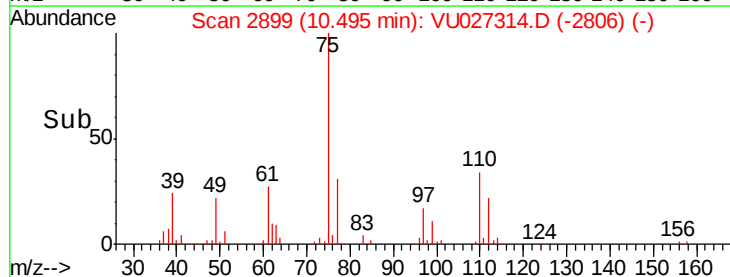
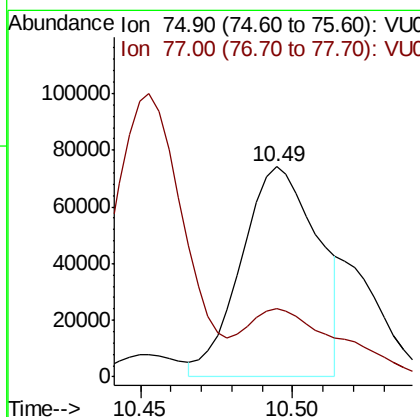
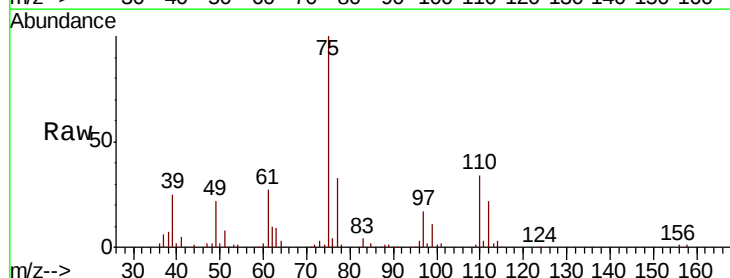
RT: 10.49 min Scan# 2899

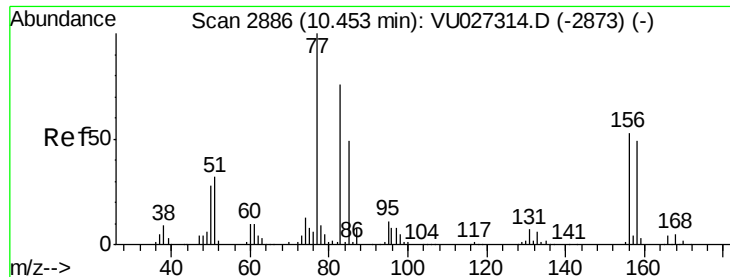
Delta R.T. 0.00 min

Lab File: VU027314.D

Acq: 01 Oct 2018 11:16

Tgt Ion:	75	Resp:	130571
Ion Ratio	Lower	Upper	
75	100		
77	40.6	20.3	60.9





#77

Bromobenzene

Concen: 52.774 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027314.D

Acq: 01 Oct 2018 11:16

Instrument :

MSVOA_U

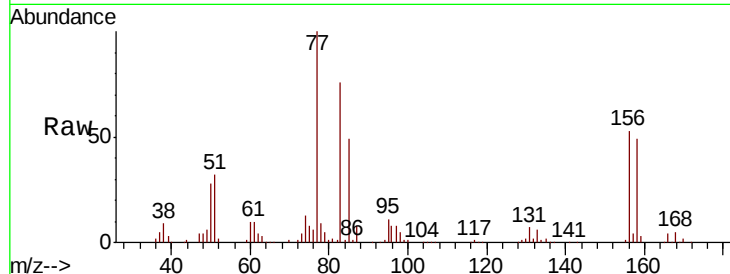
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	189.6	94.8	284.4
158	94.9	47.4	142.3

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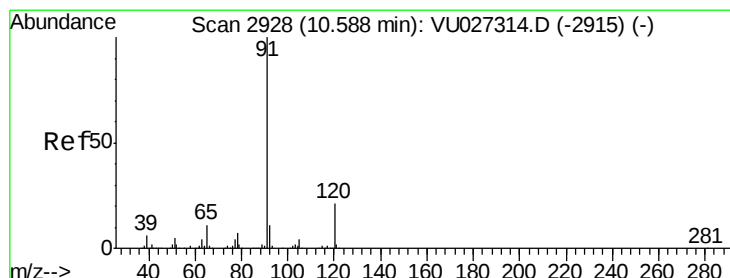
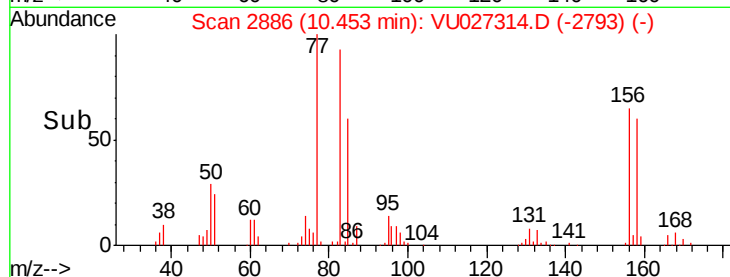
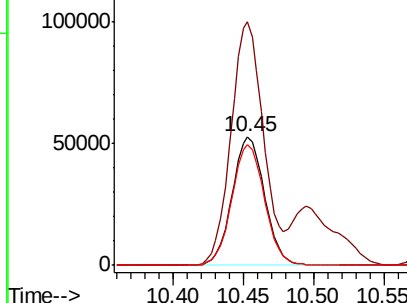
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.277 ug/l

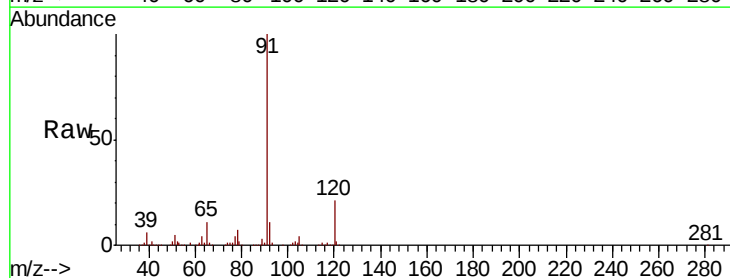
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027314.D

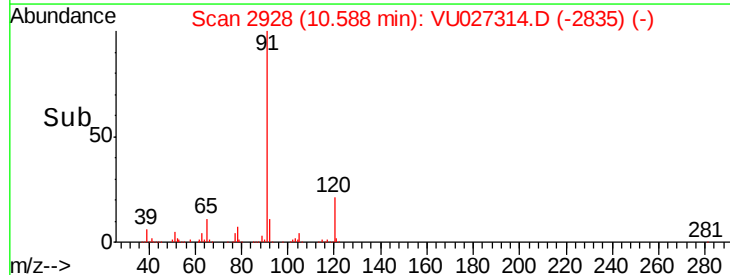
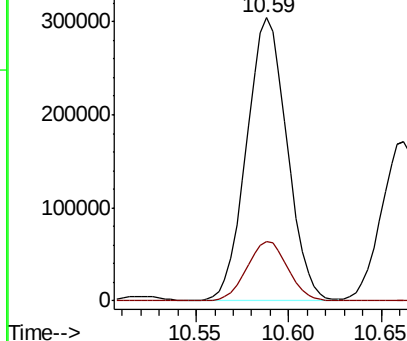
Acq: 01 Oct 2018 11:16

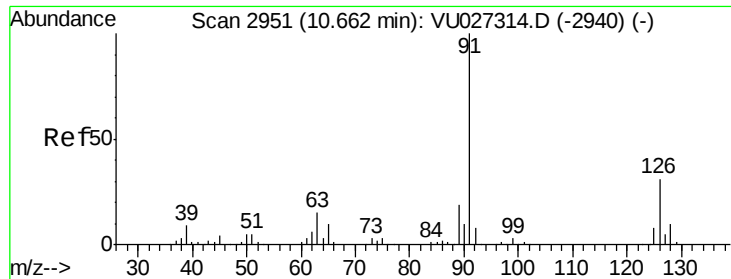
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.181 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027314.D

Acq: 01 Oct 2018 11:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 267300

Ion Ratio Lower Upper

91 100

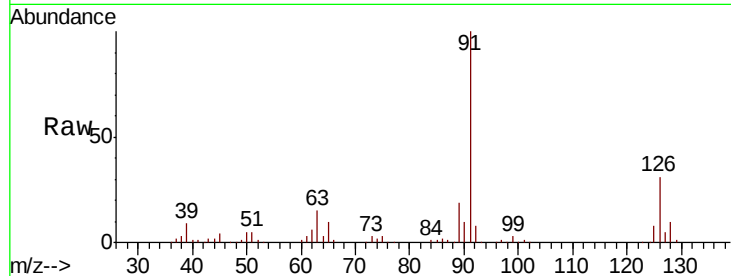
126 31.4 15.7 47.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU027314.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU027314.D (-2940) (-)

300000

200000

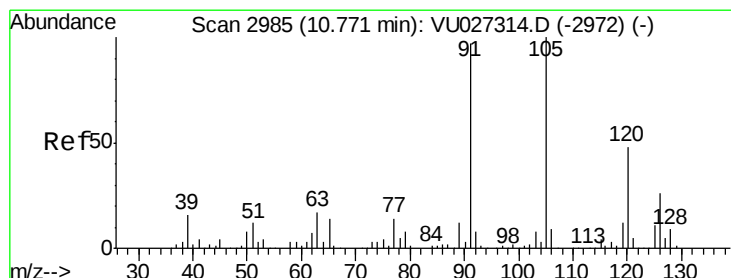
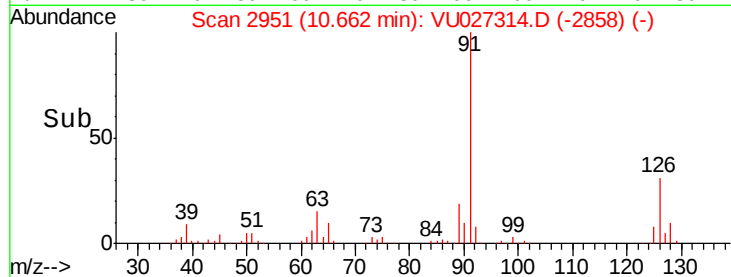
100000

0

10.66

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 55.177 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027314.D

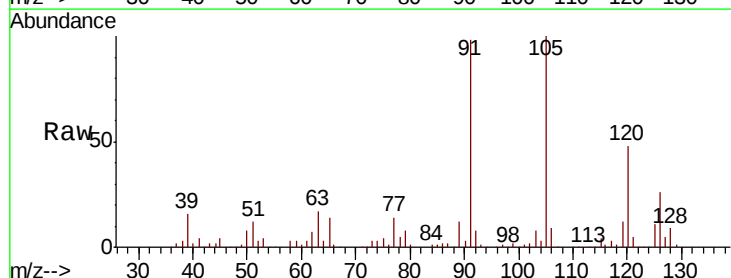
Acq: 01 Oct 2018 11:16

Tgt Ion: 105 Resp: 311205

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VU027314.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027314.D (-2972) (-)

200000

150000

100000

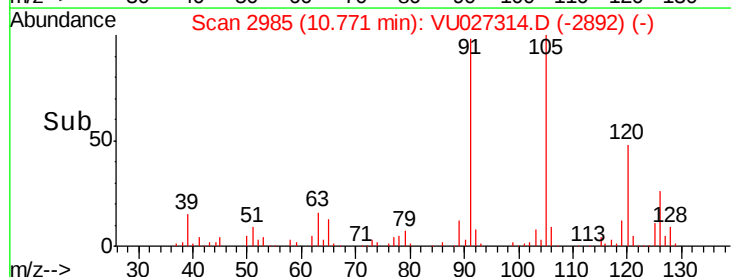
50000

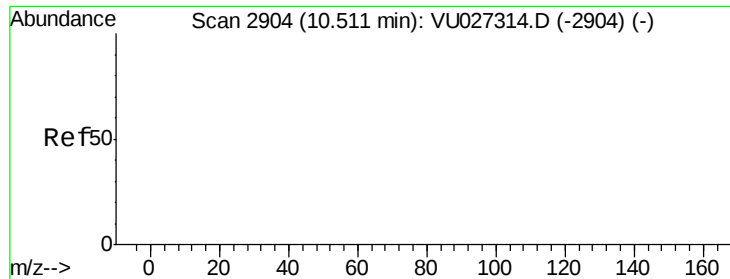
0

10.77

10.70 10.80

Time-->





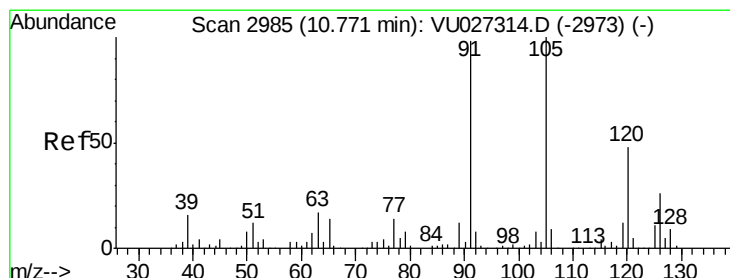
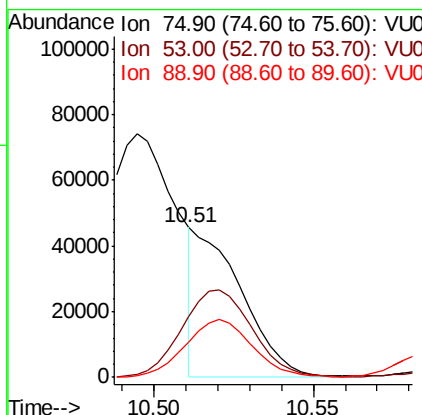
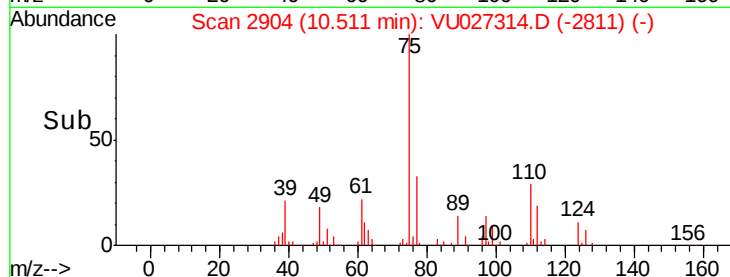
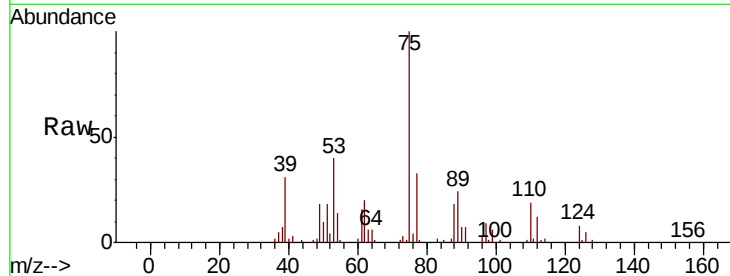
#81
trans-1,4-Dichloro-2-butene
Concen: 45.424 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

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

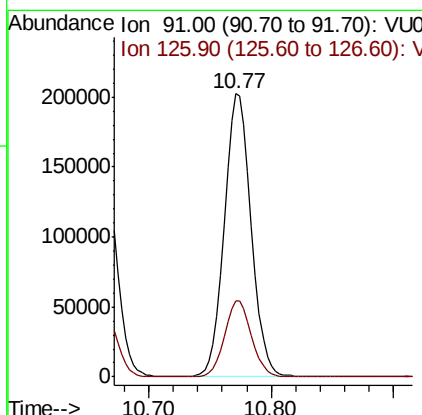
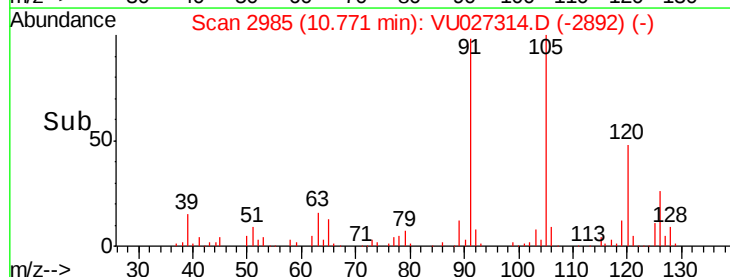
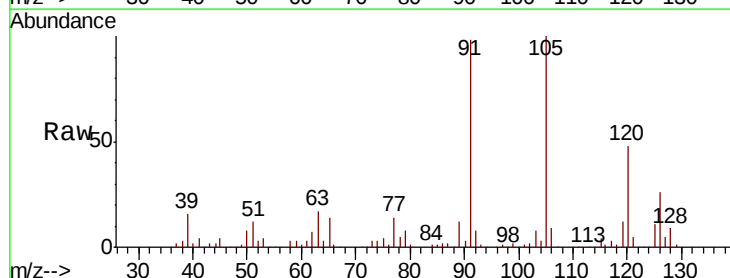
Manual Integrations
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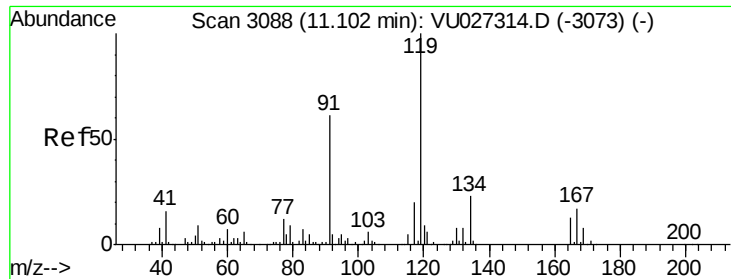
MMDadoda
10/3/2018 11:41:43 AM



#82
4-Chlorotoluene
Concen: 54.518 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.2	13.6	40.8





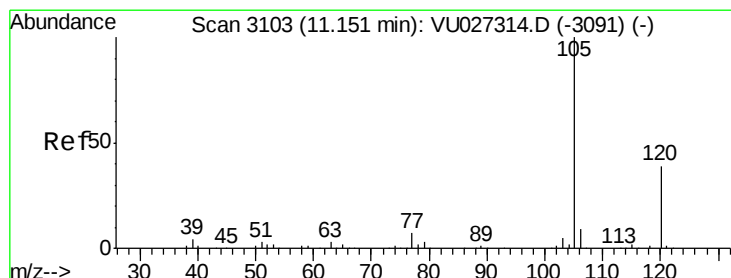
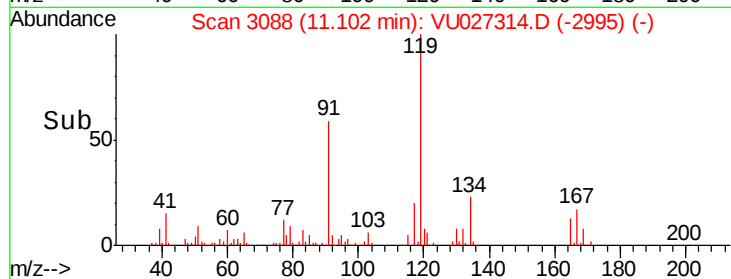
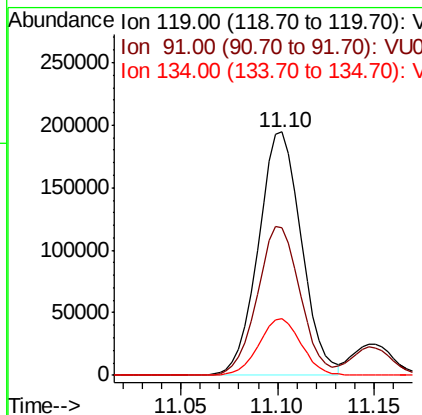
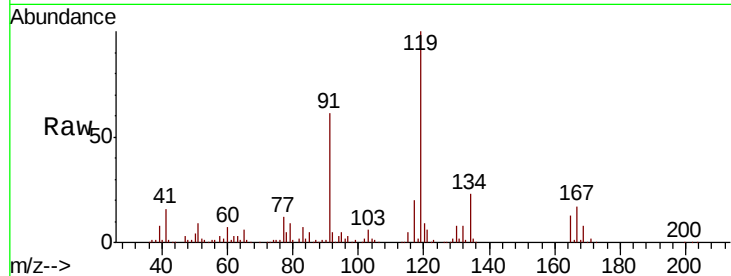
#83
tert-Butylbenzene
Concen: 55.223 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	301108		
91	60.7	30.3	91.0	
134	22.9	11.5	34.4	

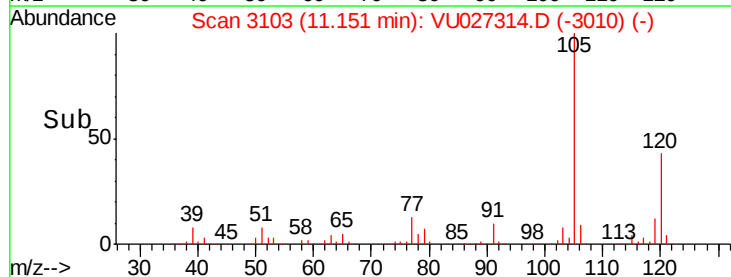
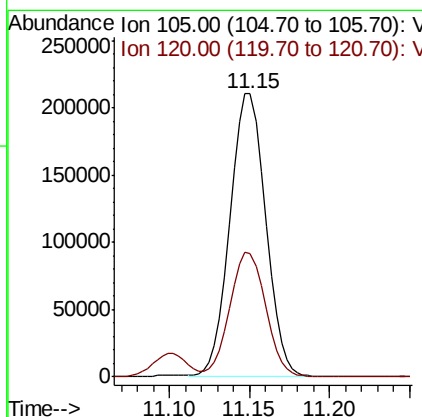
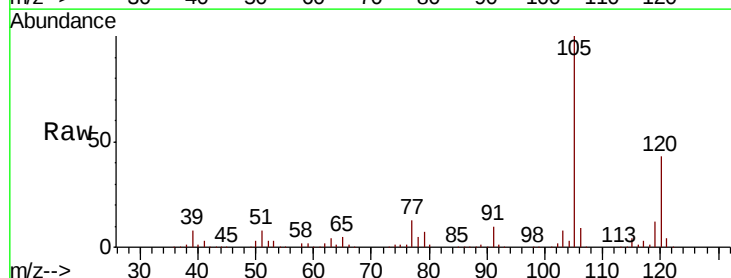
Manual Integrations
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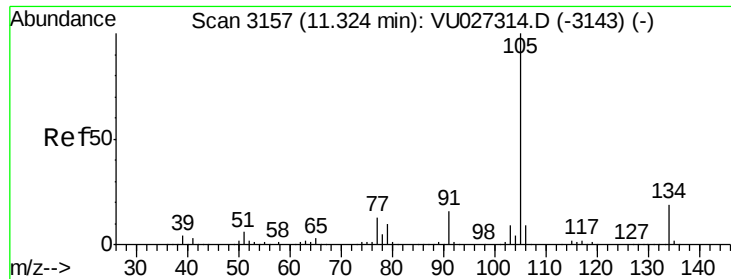
MMDadoda
10/3/2018 11:41:43 AM



#84
1,2,4-Trimethylbenzene
Concen: 55.684 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	320817		
120	44.3	22.1	66.5	





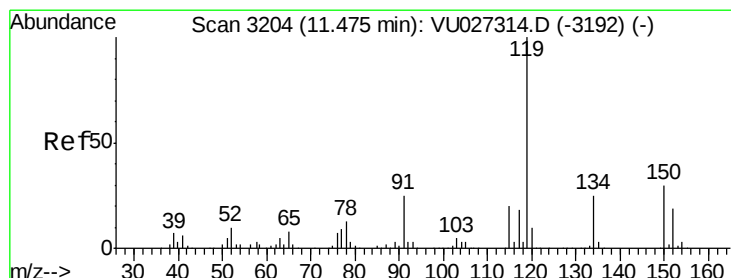
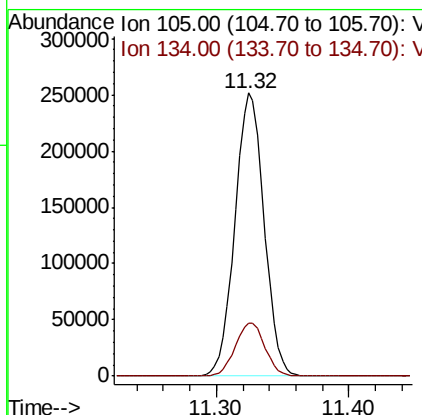
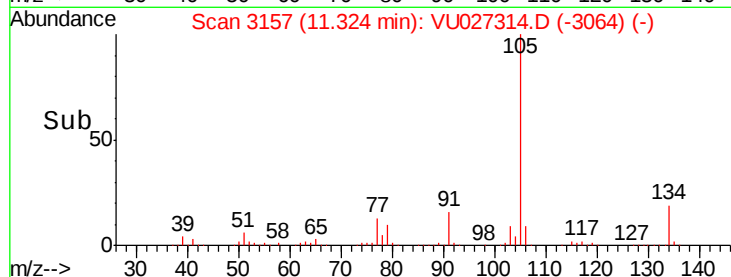
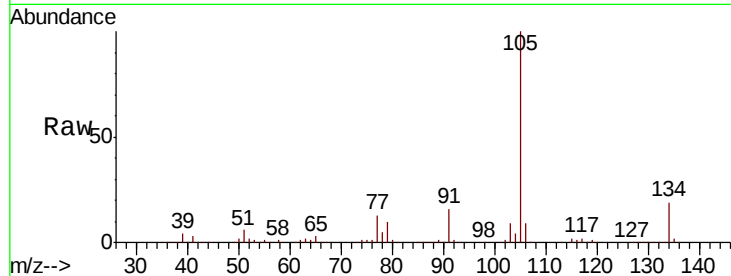
#85
 sec-Butylbenzene
 Concen: 55.779 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027314.D
 Acq: 01 Oct 2018 11:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.6	28.6

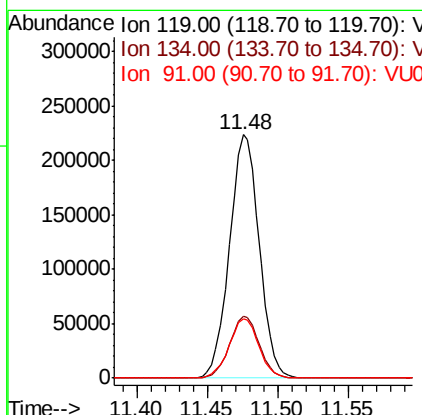
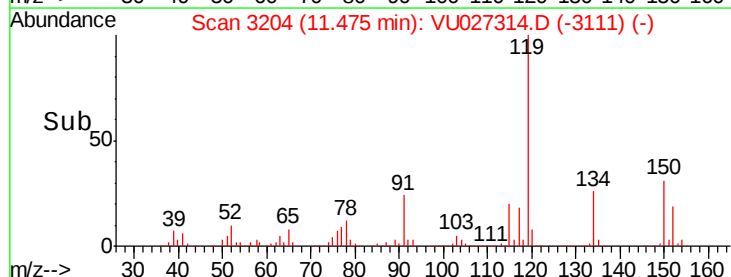
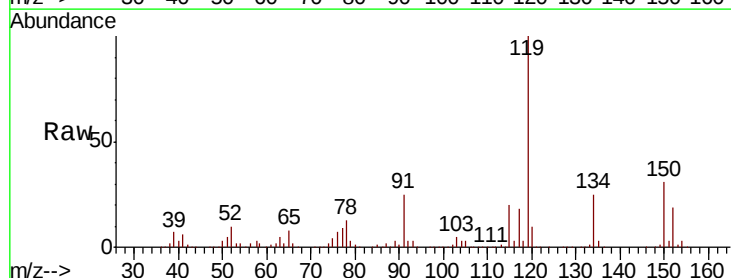
Manual Integrations
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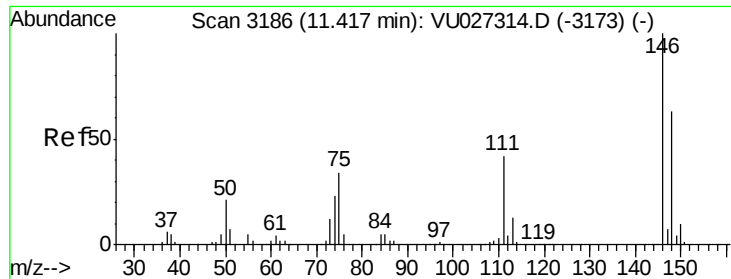
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 10/3/2018 11:41:43 AM



#86
 p-Isopropyltoluene
 Concen: 55.986 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU027314.D
 Acq: 01 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.7	38.1
91	24.3	12.2	36.4





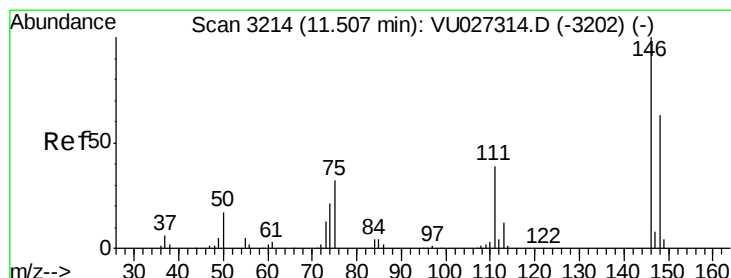
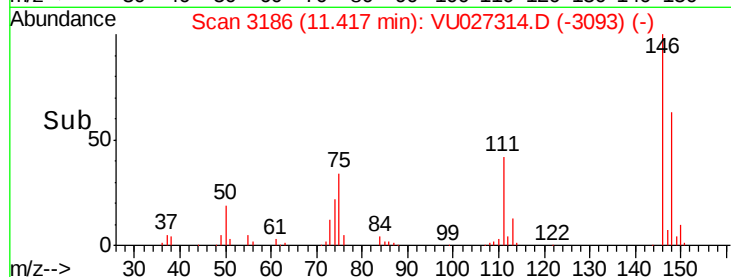
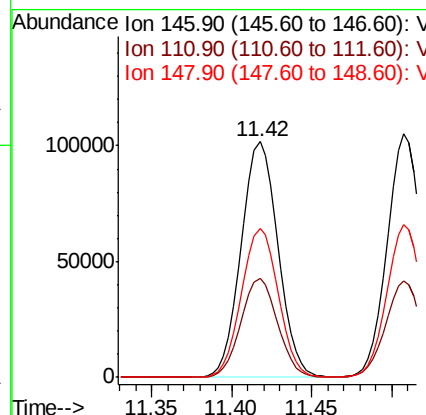
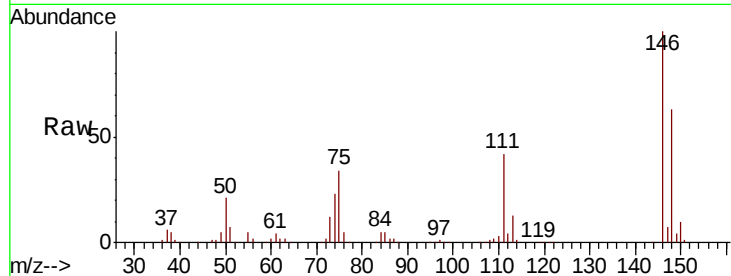
#87
 1,3-Dichlorobenzene
 Concen: 52.306 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027314.D
 Acq: 01 Oct 2018 11:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.5
148	63.2	31.6	94.8

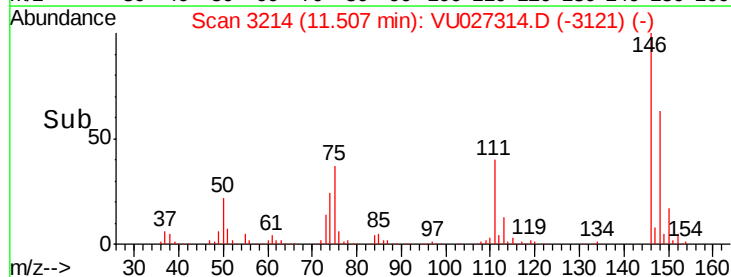
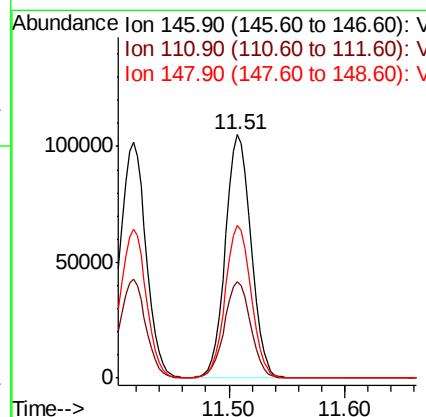
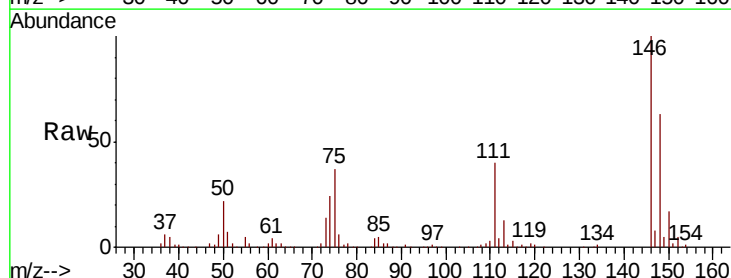
Manual Integrations
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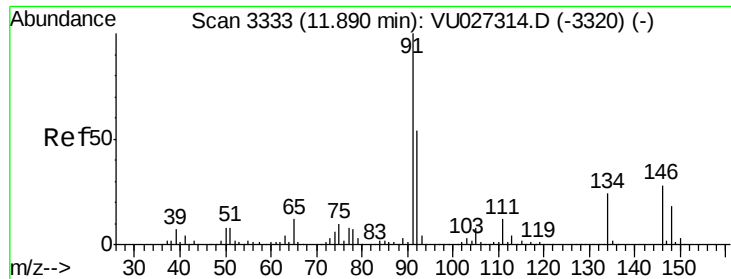
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 10/3/2018 11:41:43 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.734 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027314.D
 Acq: 01 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.4	61.2
148	63.7	31.9	95.5





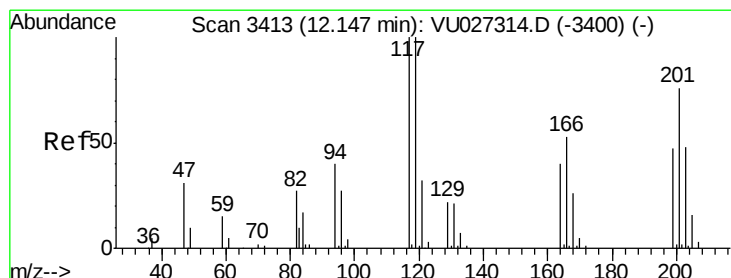
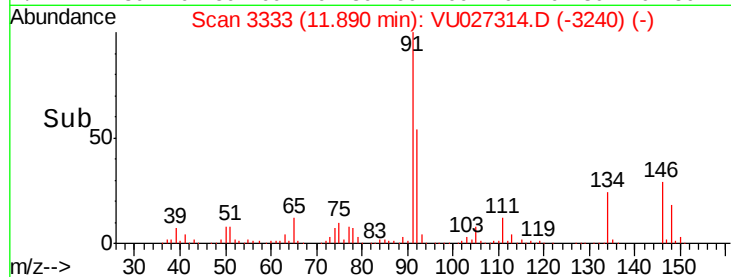
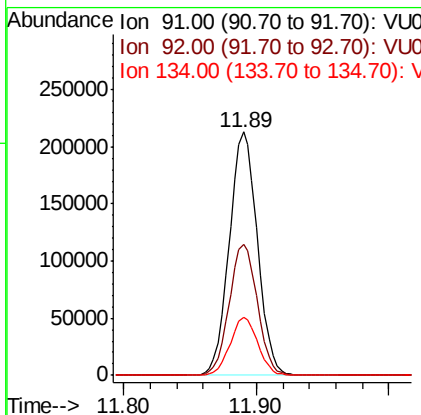
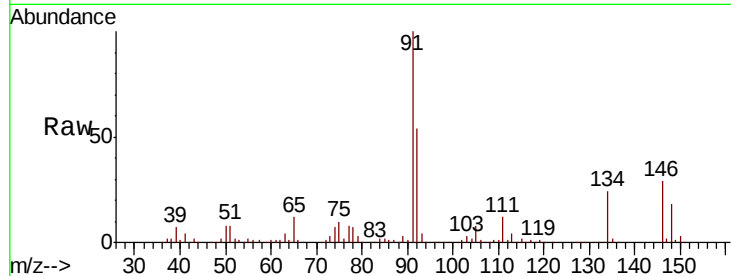
#89
n-Butylbenzene
Concen: 57.016 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.0	81.0
134	23.4	11.7	35.1

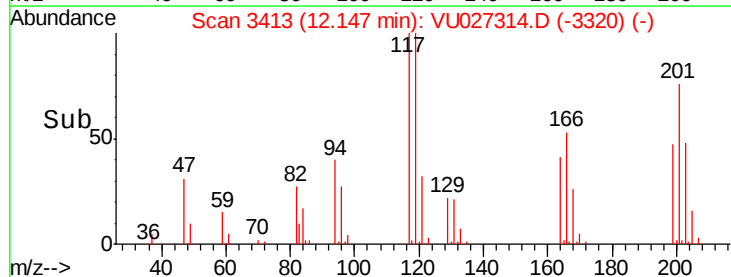
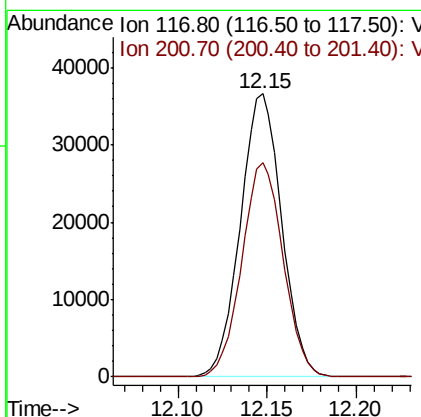
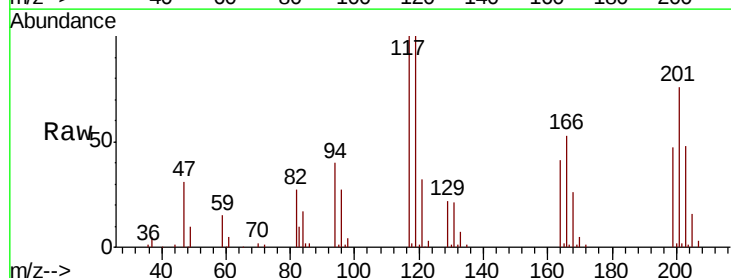
Manual Integrations
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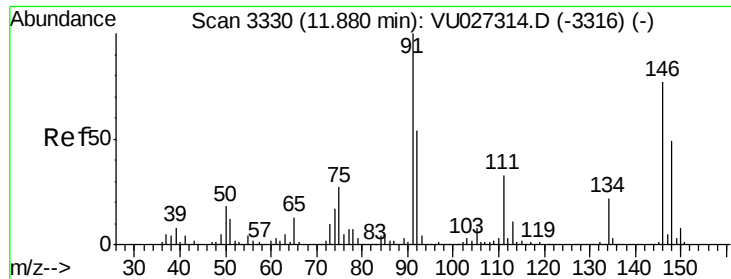
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10/3/2018 11:41:43 AM



#90
Hexachloroethane
Concen: 53.357 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.7	37.9	113.6





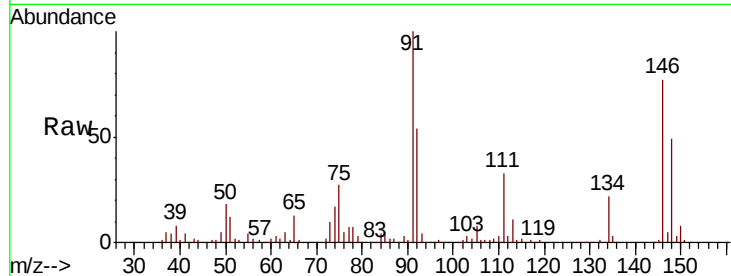
#91
 1,2-Dichlorobenzene
 Concen: 53.028 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027314.D
 Acq: 01 Oct 2018 11:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

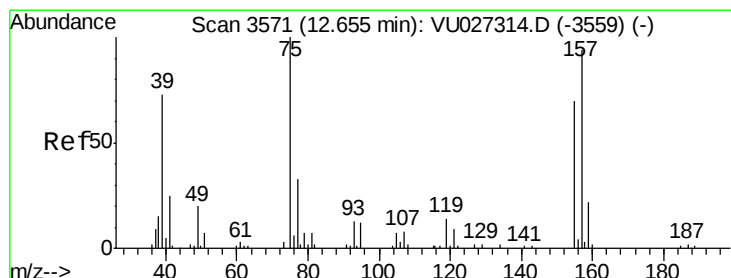
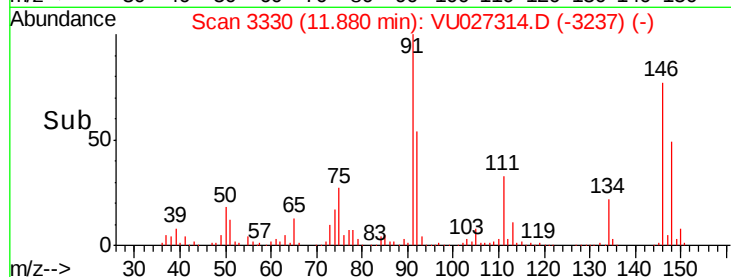
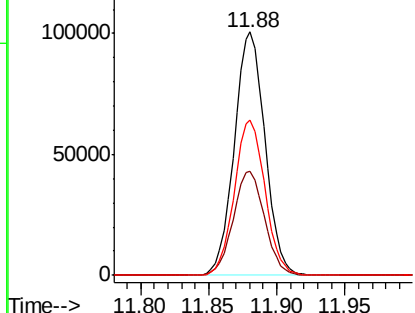
Tot Ion	Ratio	Resp	Lower	Upper
146	100	157361		
111	43.6	21.8	65.4	
148	63.7	31.9	95.5	

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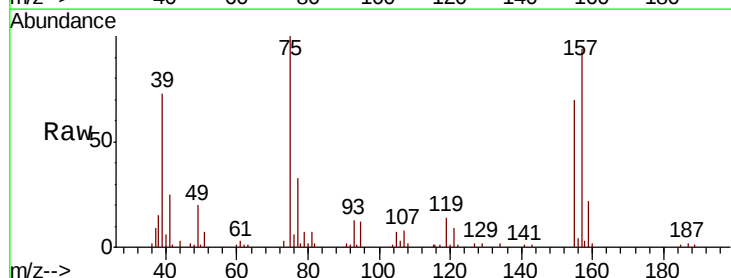


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

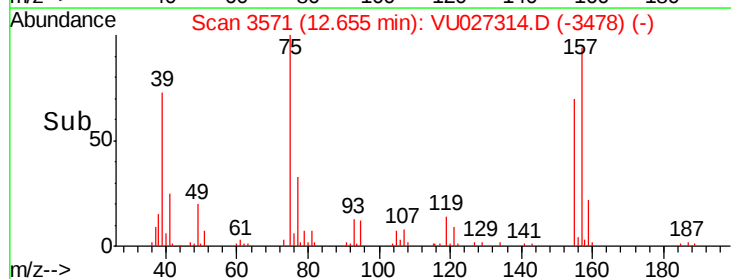
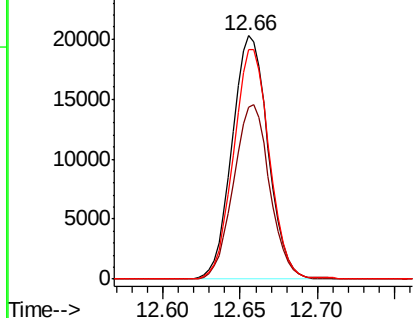


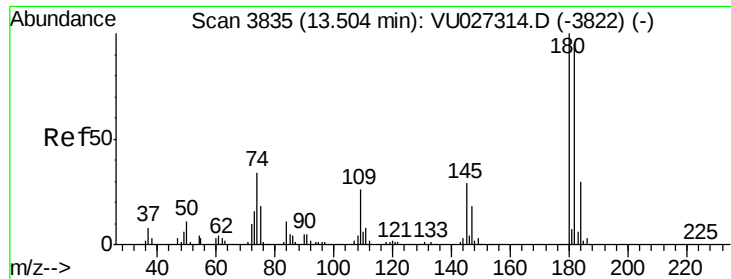
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.223 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU027314.D
 Acq: 01 Oct 2018 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32689		
155	71.9	35.9	107.8	
157	93.7	46.9	140.6	



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





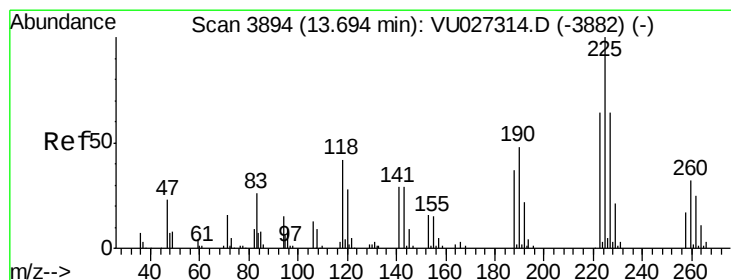
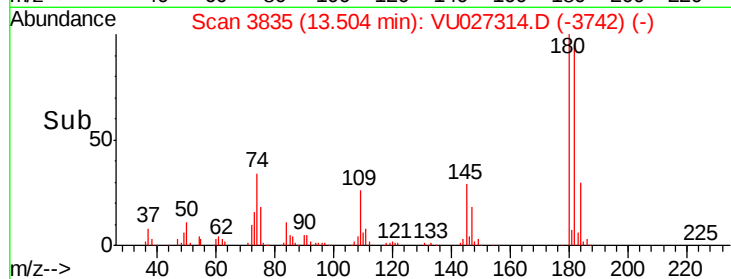
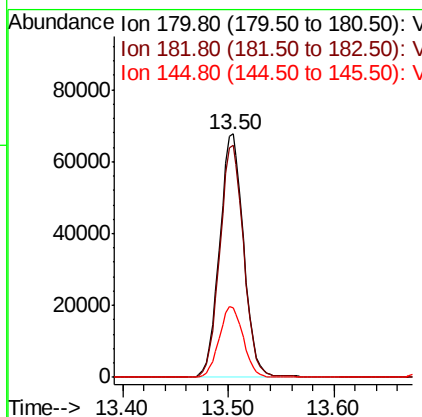
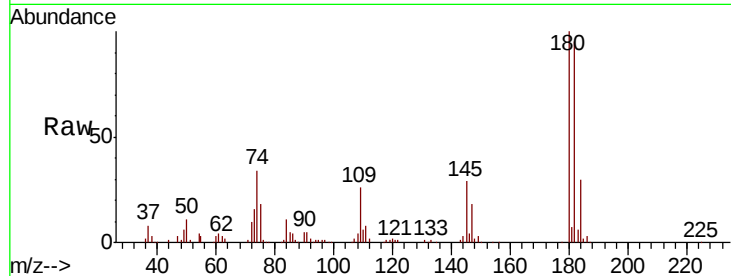
#93
 1,2,4-Trichlorobenzene
 Concen: 55.576 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027314.D
 Acq: 01 Oct 2018 11:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	106715		
182	94.9	47.4	142.3	
145	29.3	14.6	44.0	

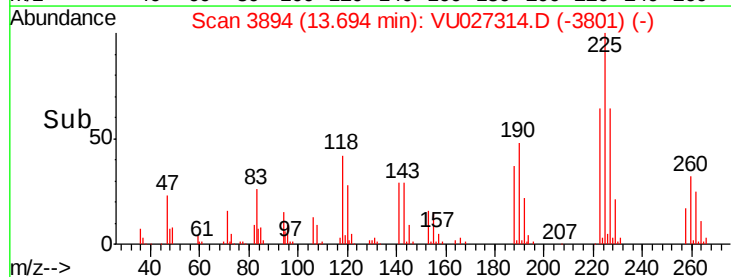
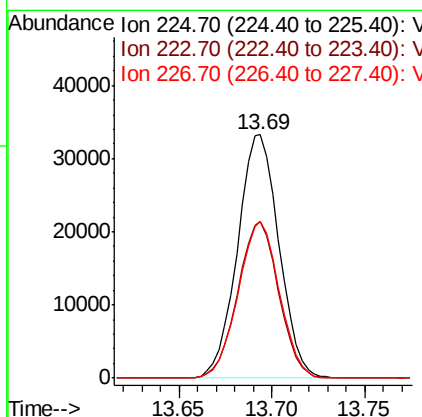
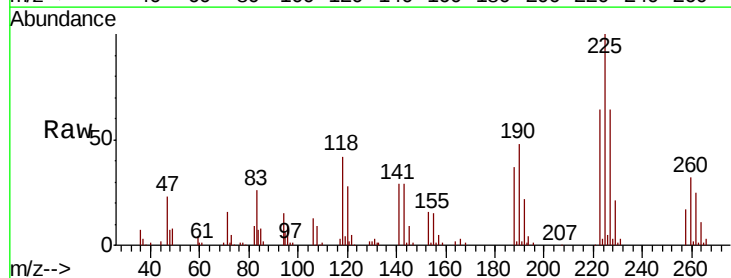
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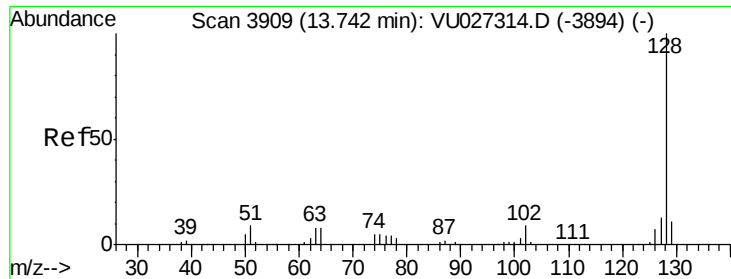
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#94
 Hexachlorobutadiene
 Concen: 53.090 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027314.D
 Acq: 01 Oct 2018 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51505		
223	63.5	31.8	95.3	
227	63.8	31.9	95.7	





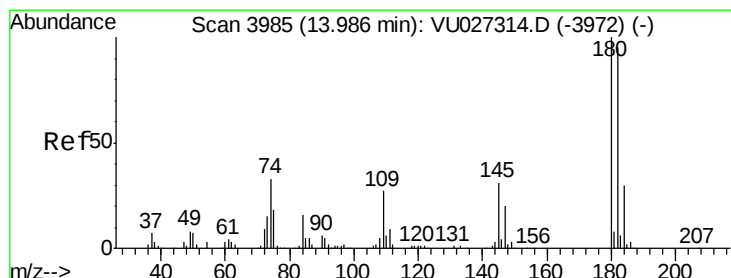
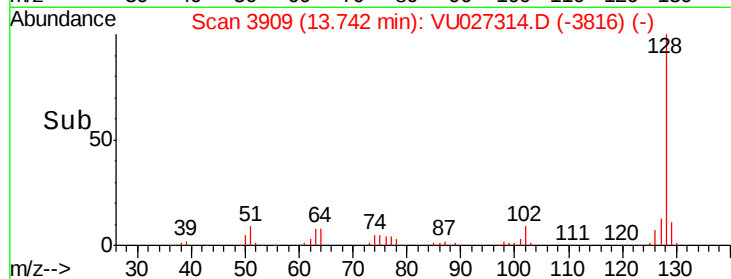
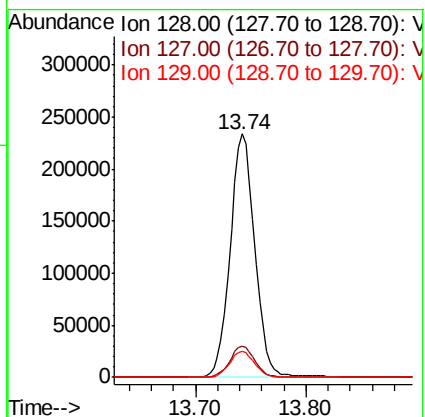
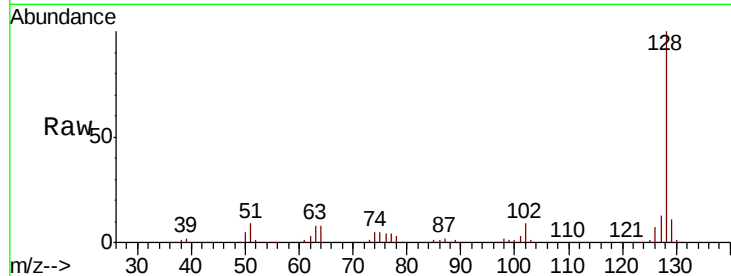
#95
Naphthalene
Concen: 56.372 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.7	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 55.001 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027314.D
Acq: 01 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.2
145	31.8	15.9	47.7

