

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030819\
 Data File : VU029851.D
 Acq On : 07 Mar 2019 13:32
 Operator : JC/SP
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Quant Time: Mar 08 02:33:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 08 00:30:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	62439	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	23674	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	27060	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	

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Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	203498	9.740	ug/l	98
3) Chloromethane	1.33	50	167247	8.990	ug/l	99
4) Vinyl Chloride	1.40	62	210036	10.036	ug/l	100
5) Bromomethane	1.62	94	111372	7.792	ug/l	98
6) Chloroethane	1.69	64	124229	9.899	ug/l	96
7) Trichlorofluoromethane	1.88	101	289631	10.155	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	167494	10.095	ug/l	99
9) 1,1-Dichloroethene	2.28	96	163448	10.064	ug/l	99
10) Iodomethane	2.41	142	179873	9.915	ug/l	99
11) Allyl Chloride	2.59	41	227954	9.984	ug/l	99
12) Acrylonitrile	2.94	53	69388	19.594	ug/l	98
13) Acetone	2.32	43	141827	48.356	ug/l	99
14) Carbon Disulfide	2.47	76	511377	9.723	ug/l	100
15) Methylene Chloride	2.70	84	184496	9.467	ug/l	100
16) trans-1,2-Dichloroethene	2.97	96	178854	9.749	ug/l	99
17) 1,1-Dichloroethane	3.44	63	306666	9.990	ug/l	99
18) 2-Butanone	4.27	43	205862	51.647	ug/l	99
19) Cyclohexane	4.99	56	249682m	10.476	ug/l	
20) Methylcyclohexane	6.41	83	296150	10.669	ug/l	100
21) 2,2-Dichloropropane	4.22	77	252671	10.070	ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	199402	10.255	ug/l	99
23) Diethyl Ether	2.10	59	120803	9.921	ug/l	98
24) tert-Butyl Alcohol	2.84	59	132197	105.251	ug/l	97
25) Methyl tert-Butyl Ether	3.00	73	409532	10.013	ug/l	99
26) Bromochloromethane	4.54	128	88174	10.215	ug/l	98
27) Chloroform	4.67	83	314865	10.130	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	271739	10.311	ug/l	99
29) 1,1-Dichloropropene	5.13	75	237318	10.133	ug/l	99
30) Carbon Tetrachloride	5.13	117	240790	10.473	ug/l	99
31) Isopropyl Ether	3.58	45	434494	10.263	ug/l	99
32) Ethyl-t-butyl ether	4.07	59	419853	10.202	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	399434	10.496	ug/l	99
34) Propionitrile	4.33	54	63501	53.557	ug/l #	95
35) Benzene	5.38	78	714657	10.358	ug/l	100
36) 1,2-Dichloroethane	5.40	62	190670	10.118	ug/l	99
37) Trichloroethene	6.18	130	205261	10.190	ug/l	99
38) 1,2-Dichloropropane	6.43	63	178705	10.233	ug/l	96
39) Methacrylonitrile	4.55	41	52115	10.449	ug/l	98
40) Methyl acrylate	4.42	55	83281	10.564	ug/l	99
41) Tetrahydrofuran	4.65	42	50916	19.518	ug/l	98
42) 1-Chlorobutane	5.06	56	318575	10.647	ug/l	100

3/8/2019 11:48:03 AM

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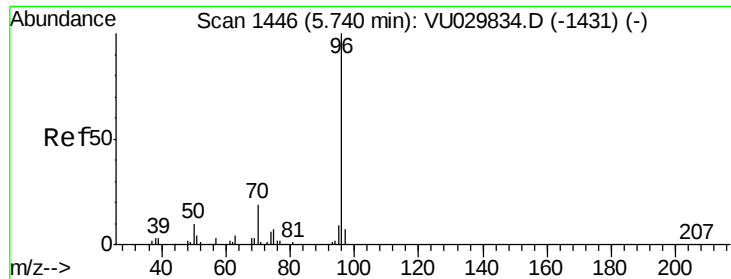
Manual Integrations
 APPROVED

Quant Time: Mar 08 02:33:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 08 00:30:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.56	93	91754	10.137	ug/l	99
44) Bromodichloromethane	6.75	83	228988	10.301	ug/l	100
45) 4-Methyl-2-Pentanone	7.46	43	499697	52.934	ug/l	99
46) t-1,4-Dichloro-2-butene	10.51	75	86352m	21.880	ug/l	
47) Methyl methacrylate	6.62	69	168203	21.656	ug/l	100
48) Ethyl methacrylate	8.02	69	167213	11.236	ug/l	100
49) Toluene	7.63	92	456945	10.784	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	205445	10.546	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	254925	10.571	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	140060	10.454	ug/l	98
53) 1,3-Dichloropropane	8.24	76	225666	10.269	ug/l	100
54) 2-Hexanone	8.36	43	351674	53.640	ug/l	99
55) Dibromochloromethane	8.47	129	167686	10.546	ug/l	100
56) 1,2-Dibromoethane	8.58	107	128063	10.081	ug/l	99
58) Tetrachloroethene	8.22	164	218674	10.628	ug/l	99
59) Chlorobenzene	9.12	112	513133	10.538	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	183157	10.485	ug/l	100
61) Pentachloroethane	11.10	117	124374	10.227	ug/l	100
62) Hexachloroethane	12.14	117	136002	10.630	ug/l	97
63) Ethyl Benzene	9.25	91	877517	11.001	ug/l	100
64) m/p-Xylenes	9.37	106	700238	22.206	ug/l	99
65) o-Xylene	9.77	106	337476	11.143	ug/l	100
66) Styrene	9.79	104	572296	11.374	ug/l	99
67) Bromoform	9.95	173	100236	10.733	ug/l	98
69) Isopropylbenzene	10.16	105	892036	11.107	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	170646	10.444	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	120278m	9.905	ug/l	
72) Bromobenzene	10.45	156	229482	10.795	ug/l	98
73) n-propylbenzene	10.58	120	257245	11.394	ug/l	99
74) 2-Chlorotoluene	10.66	126	217188	10.845	ug/l	100
75) 1,3,5-Trimethylbenzene	10.77	105	762212	11.266	ug/l	100
76) 4-Chlorotoluene	10.77	126	222506	10.895	ug/l	97
77) tert-Butylbenzene	11.10	119	746514	11.152	ug/l	100
78) 1,2,4-Trimethylbenzene	11.14	105	784235	11.471	ug/l	99
79) sec-Butylbenzene	11.32	105	1008405	11.367	ug/l	100
80) Nitrobenzene	12.86	77	16709	56.332	ug/l	98
81) p-Isopropyltoluene	11.47	119	850055	11.446	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	450412	10.699	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	447324	10.874	ug/l	100
84) n-Butylbenzene	11.89	91	776984	11.482	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	418141	10.533	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.65	75	25640	10.991	ug/l	98
87) 1,2,4-Trichlorobenzene	13.50	180	290031	11.408	ug/l	98
88) Hexachlorobutadiene	13.69	225	171691	10.722	ug/l	99
89) Naphthalene	13.74	128	471519	9.600	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	266135	11.143	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU029851.D

Acq: 07 Mar 2019 13:32

Instrument :

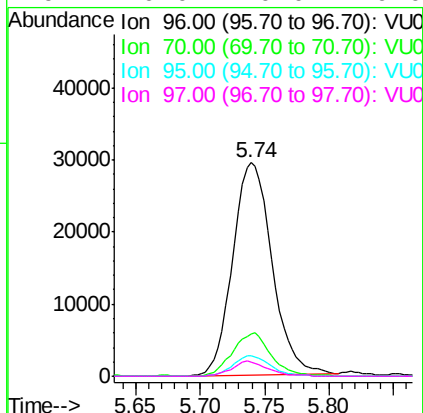
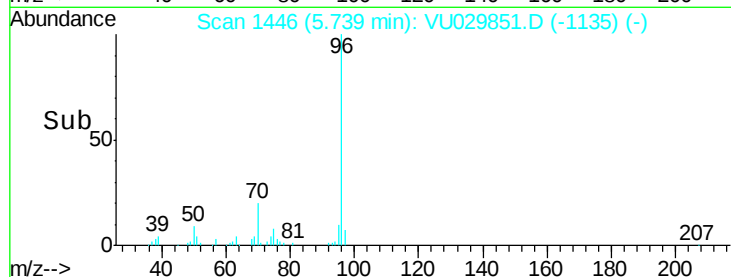
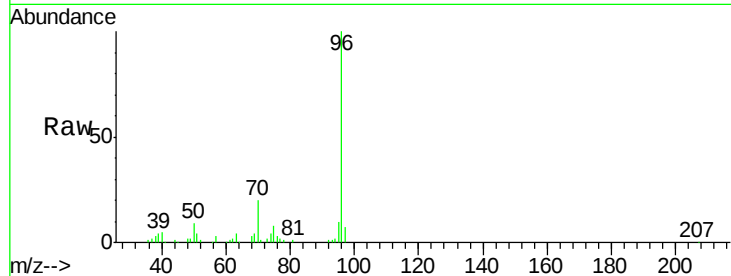
MSVOA_U

ClientSampleId :

VSTDCCC010EC

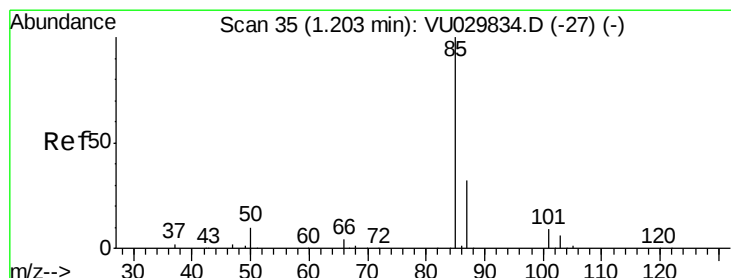
Tot Ion:	96	Resp:	62439
Ion	Ratio	Lower	Upper
96	100		
70	20.1	14.4	21.6
95	9.2	7.0	10.6
97	0.0	0.0	0.0

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#2

Dichlorodifluoromethane

Concen: 9.740 ug/l

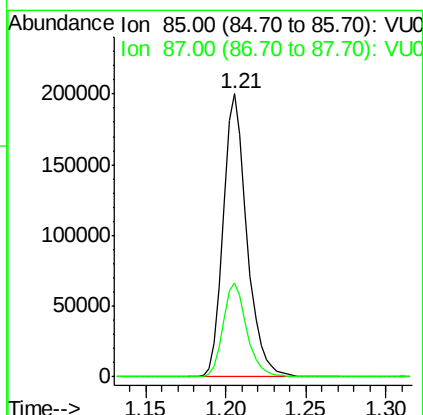
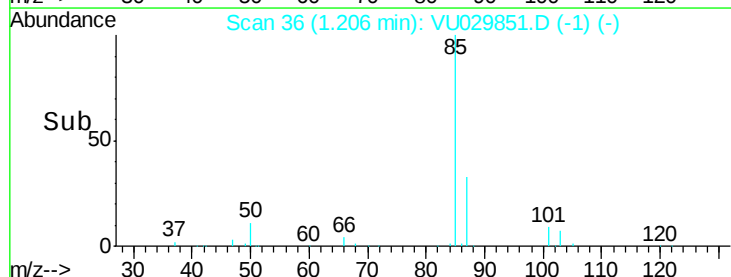
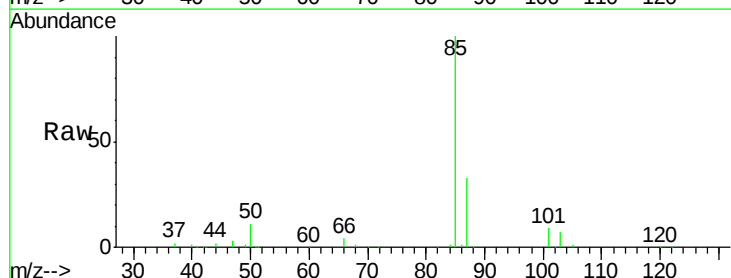
RT: 1.21 min Scan# 36

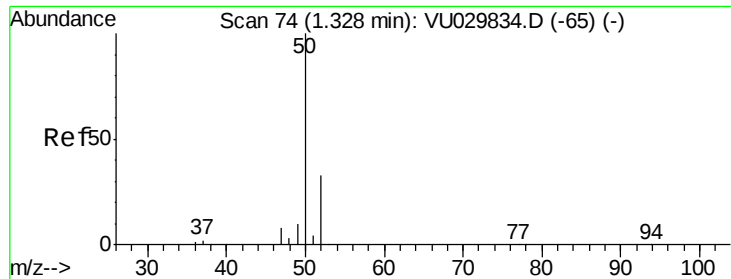
Delta R.T. 0.00 min

Lab File: VU029851.D

Acq: 07 Mar 2019 13:32

Tgt Ion:	85	Resp:	203498
Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.2	48.6





#3

Chloromethane

Concen: 8.990 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029851.D

Acq: 07 Mar 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

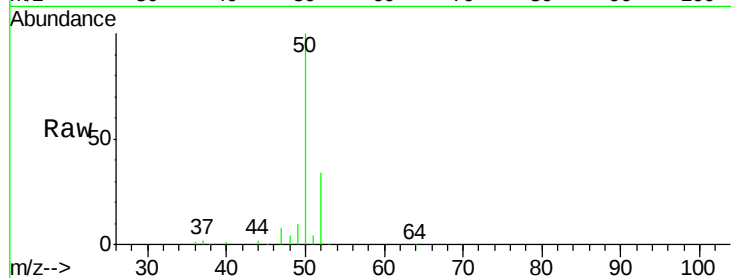
Tot Ion: 50 Resp: 167247

Ion Ratio Lower Upper

50 100

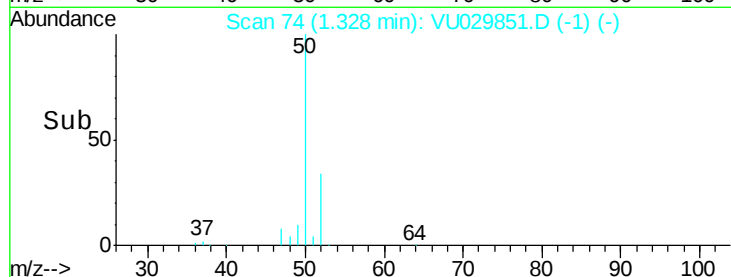
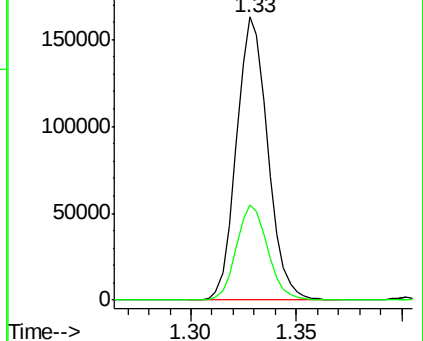
52 33.8 26.5 39.7

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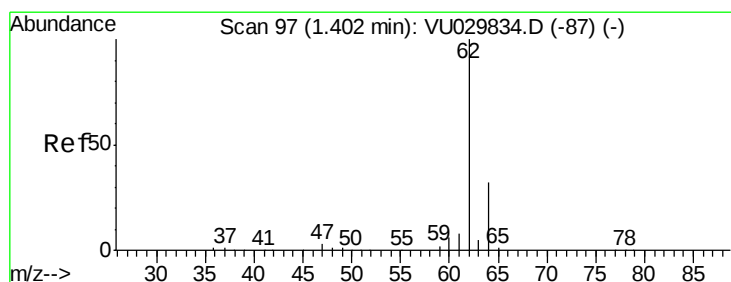
Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



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#4

Vinyl Chloride

Concen: 10.036 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029851.D

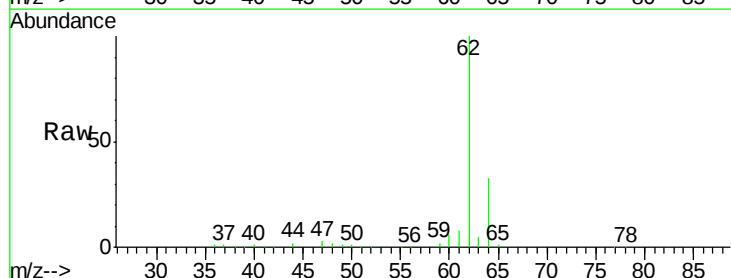
Acq: 07 Mar 2019 13:32

Tgt Ion: 62 Resp: 210036

Ion Ratio Lower Upper

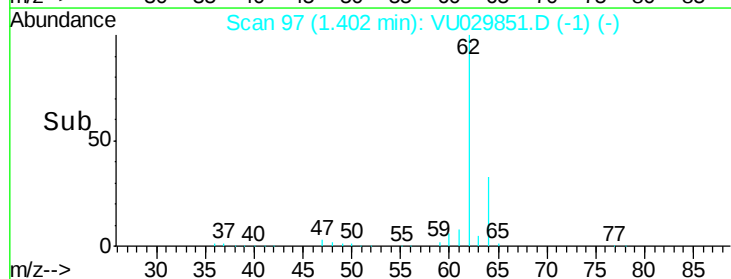
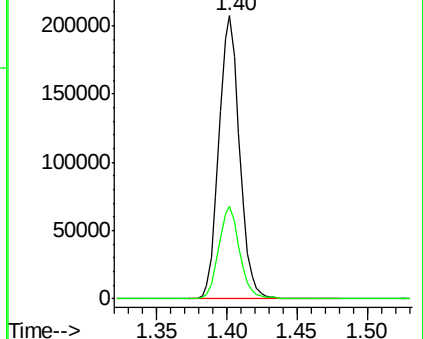
62 100

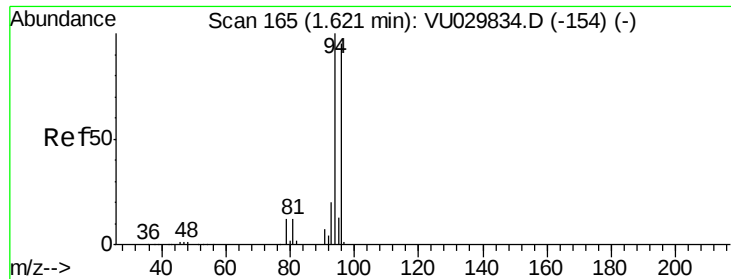
64 32.3 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 7.792 ug/l

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU029851.D

Acq: 07 Mar 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

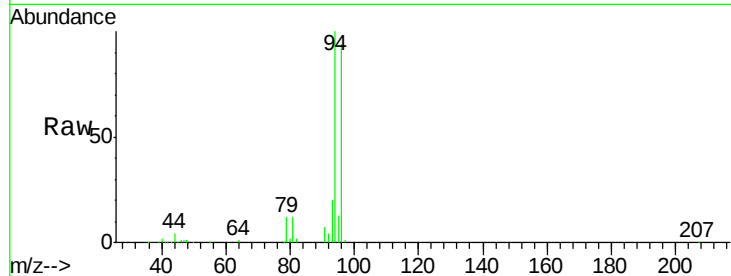
Tot Ion: 94 Resp: 111372

Ion Ratio Lower Upper

94 100

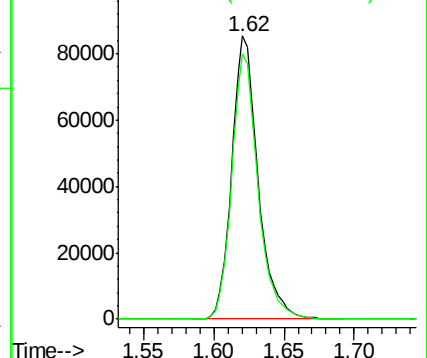
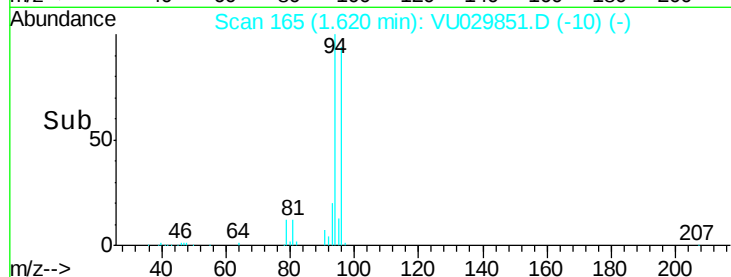
96 93.6 76.4 114.6

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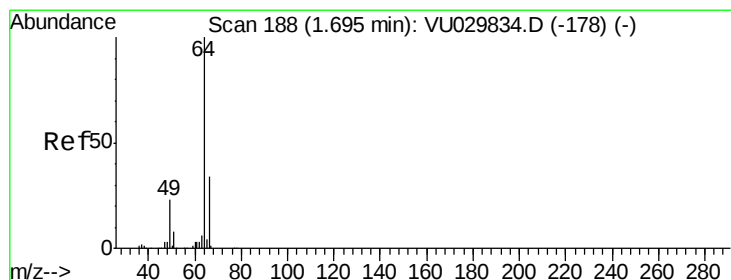
Abundance Ion 94.00 (93.70 to 94.70): VU029851.D (-10) (-)

Ion 96.00 (95.70 to 96.70): VU029851.D (-10) (-)



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3/8/2019 11:48:03 AM



#6

Chloroethane

Concen: 9.899 ug/l

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU029851.D

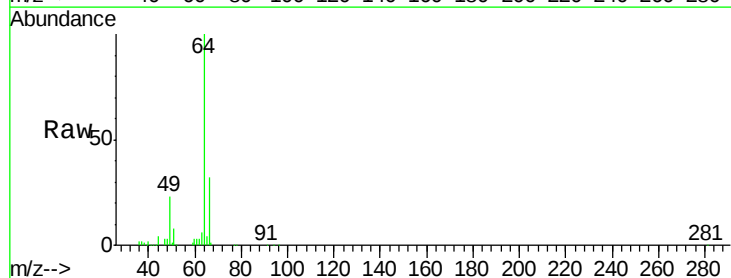
Acq: 07 Mar 2019 13:32

Tgt Ion: 64 Resp: 124229

Ion Ratio Lower Upper

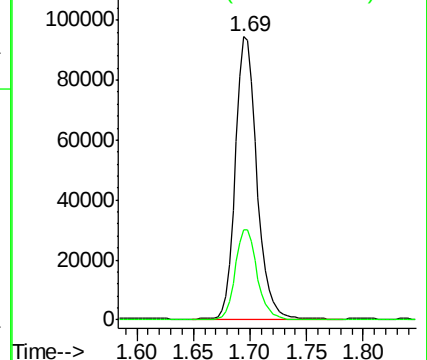
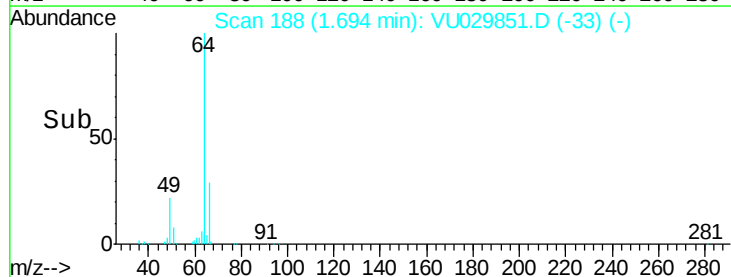
64 100

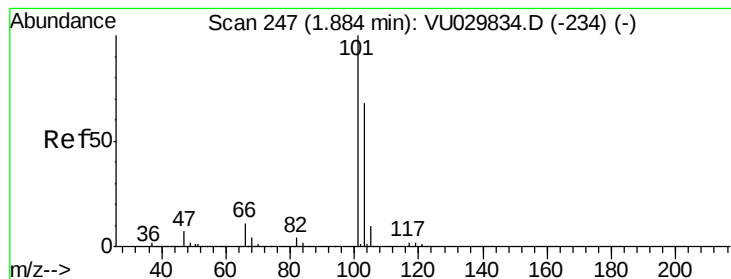
66 31.7 27.3 40.9



Abundance Ion 64.00 (63.70 to 64.70): VU029851.D (-33) (-)

Ion 66.00 (65.70 to 66.70): VU029851.D (-33) (-)





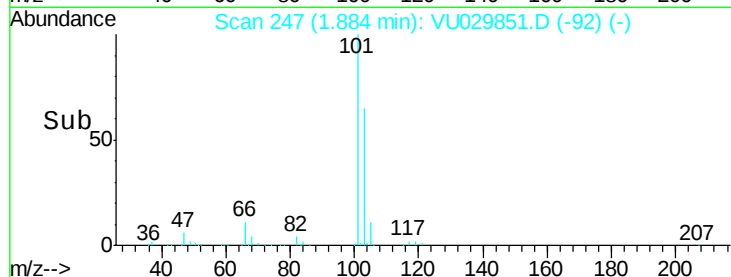
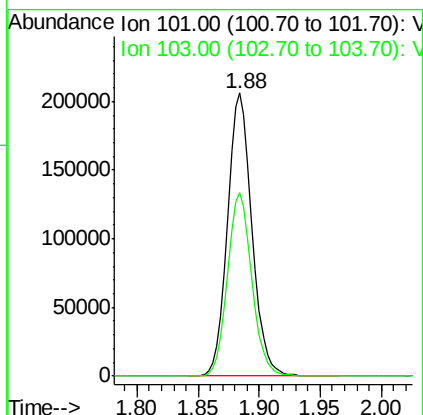
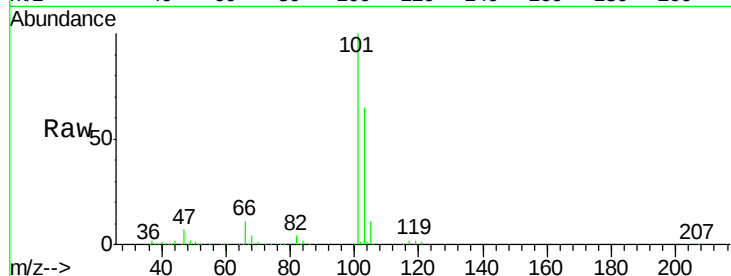
#7

Trichlorofluoromethane
Concen: 10.155 ug/l
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Instrument :
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ClientSampleId :
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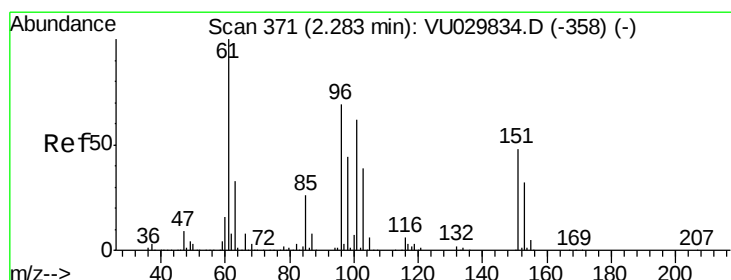
Tot Ion	Ratio	Resp	Lower	Upper
101	100	289631		
103	64.8	54.2	81.2	

Manual Integrations
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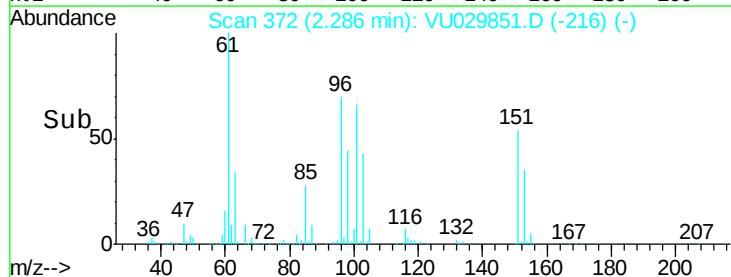
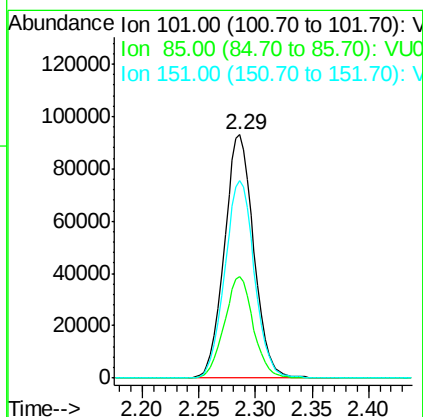
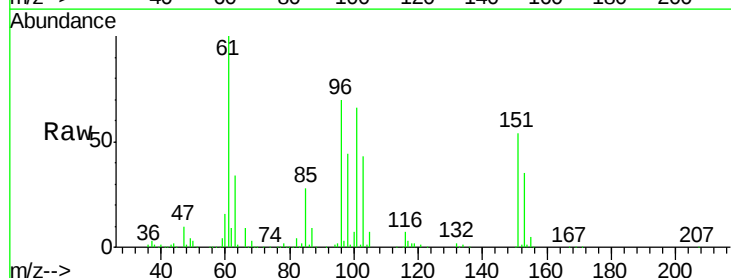
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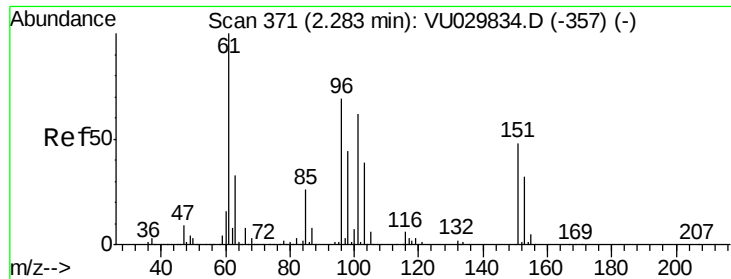


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.095 ug/l
RT: 2.29 min Scan# 372
Delta R.T. 0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	167494		
85	41.2	33.4	50.0	
151	81.8	64.6	97.0	





#9

1,1-Dichloroethene

Concen: 10.064 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029851.D

Acq: 07 Mar 2019 13:32

Instrument :

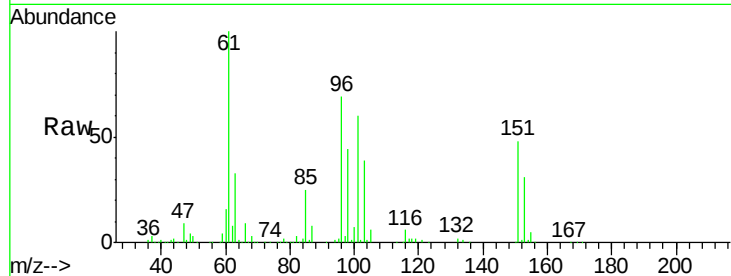
MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:	96	Resp:	163448
Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	435.3
98	63.6	0.0	128.6

Manual Integrations
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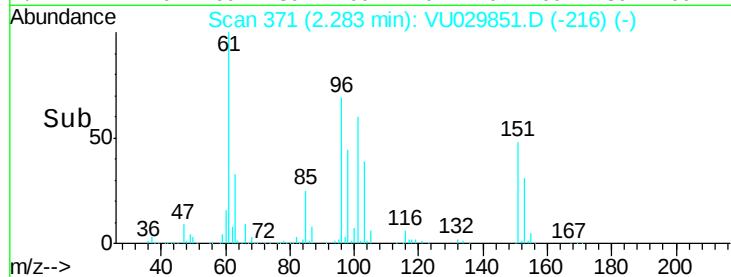
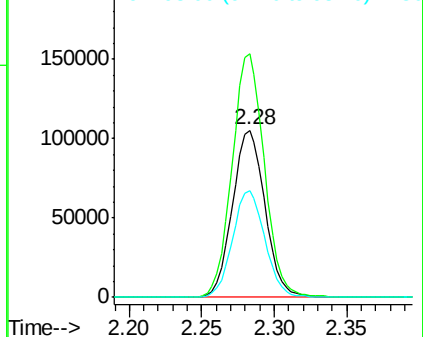


Abundance

Ion 96.00 (95.70 to 96.70): VU0

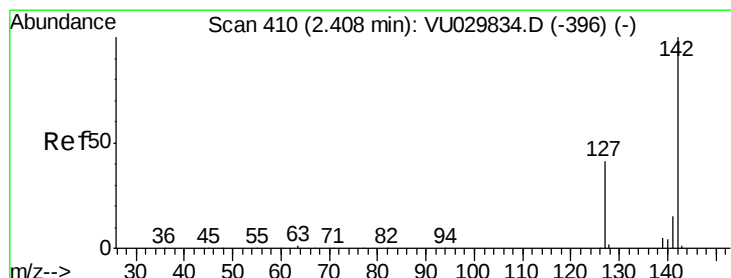
Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



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3/8/2019 11:48:03 AM



#10

Iodomethane

Concen: 9.915 ug/l

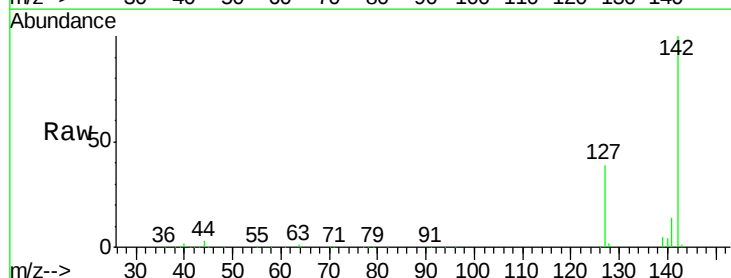
RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU029851.D

Acq: 07 Mar 2019 13:32

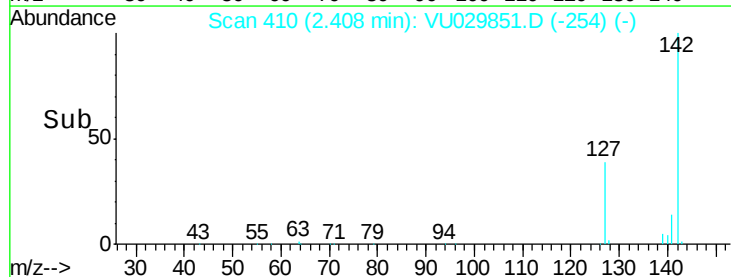
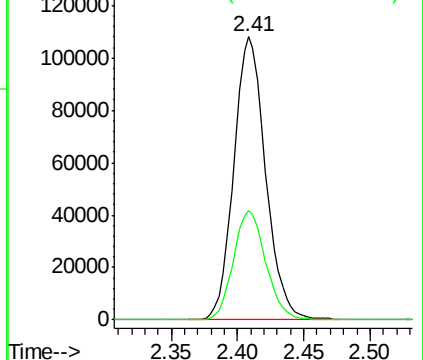
Tgt Ion:	142	Resp:	179873
Ion	Ratio	Lower	Upper
142	100		
127	39.5	32.3	48.5

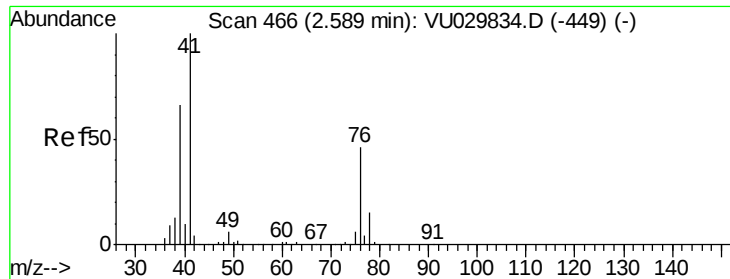


Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V



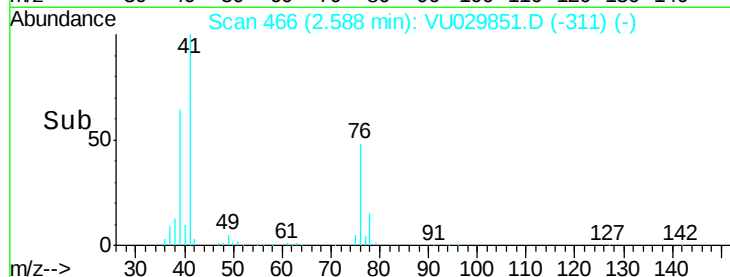
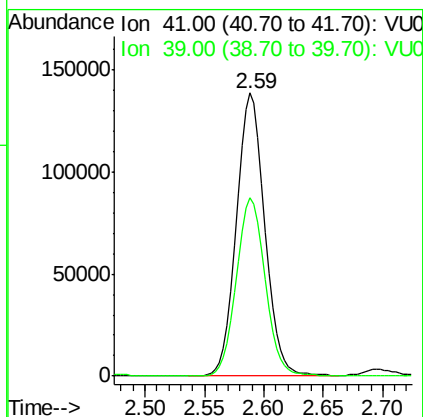
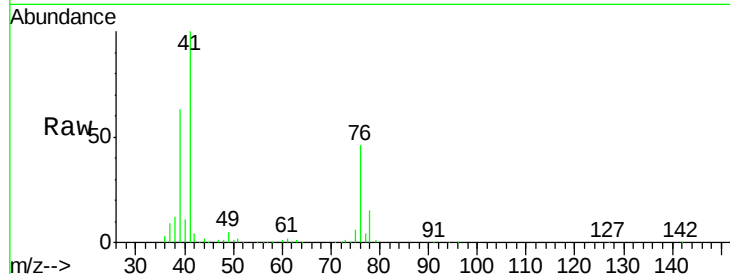


#11
Allvl Chloride
Concen: 9.984 ug/l
RT: 2.59 min Scan# 466
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

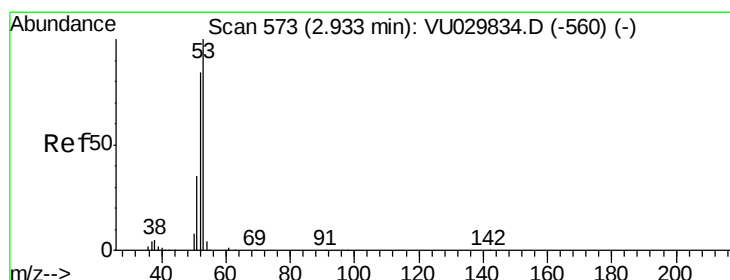
Tot Ion: 41 Resp: 227954
Ion Ratio Lower Upper
41 100
39 64.0 51.6 77.4

Manual Integrations
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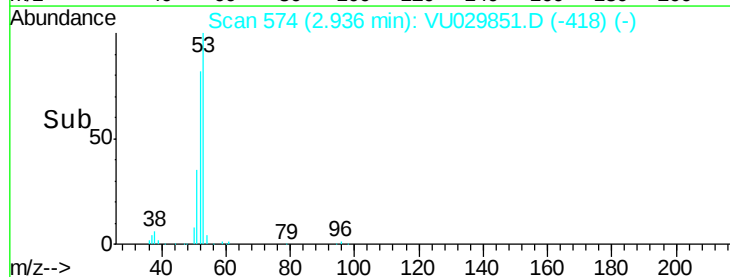
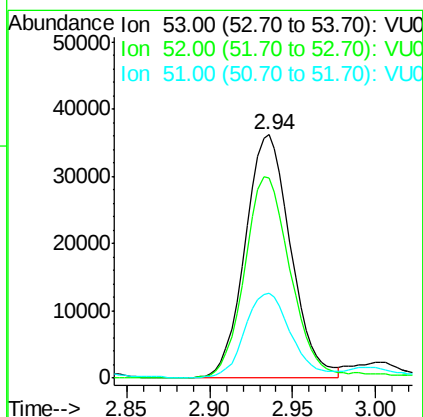
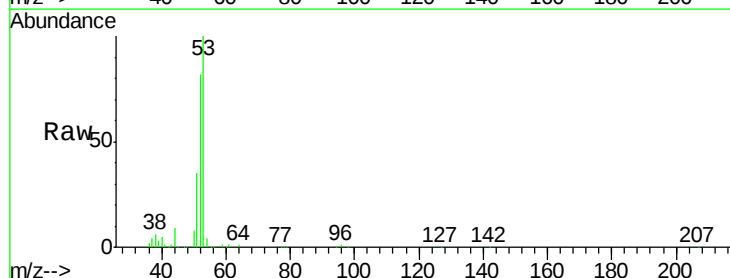
MMDadoda

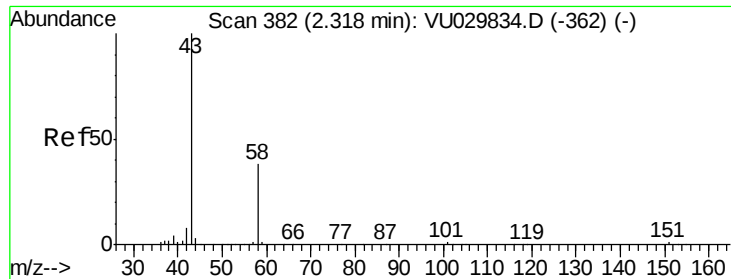
3/8/2019 11:48:03 AM



#12
Acrylonitrile
Concen: 19.594 ug/l
RT: 2.94 min Scan# 574
Delta R.T. 0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tgt Ion: 53 Resp: 69388
Ion Ratio Lower Upper
53 100
52 85.1 66.5 99.7
51 35.7 28.6 42.8



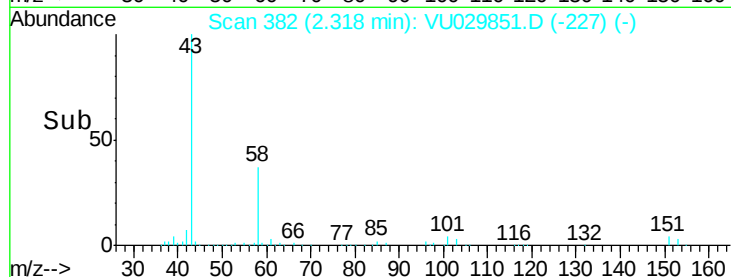
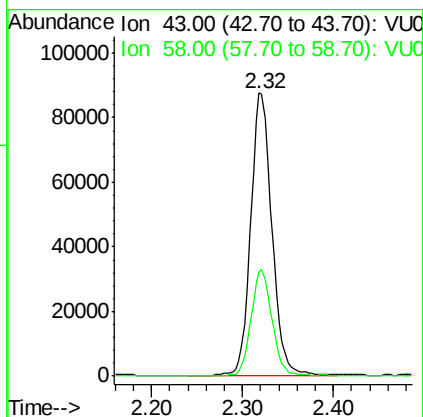
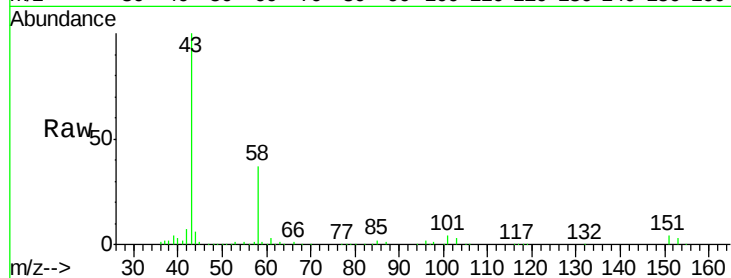


#13
Acetone
Concen: 48.356 ug/l
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

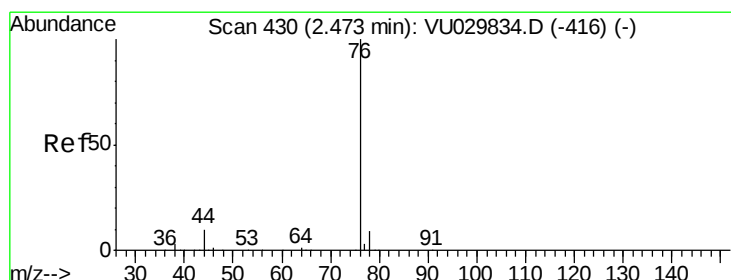
Tot Ion	Ratio	Lower	Upper
43	100		
58	37.0	30.2	45.2

Manual Integrations
APPROVED



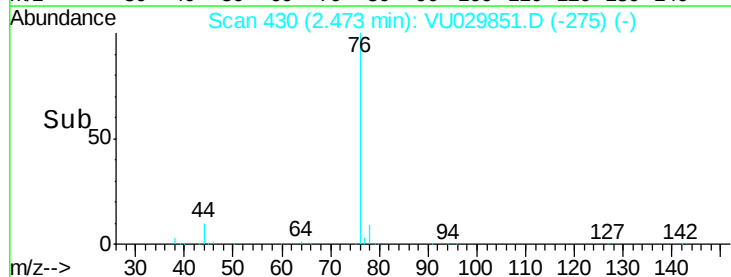
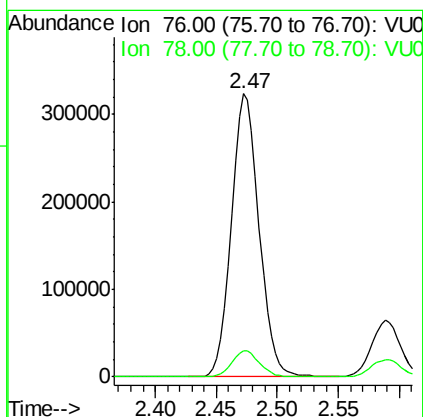
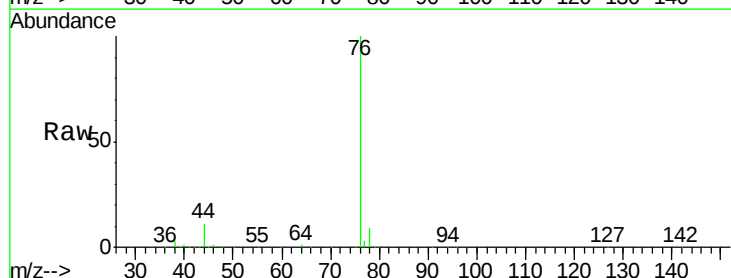
MMDadoda

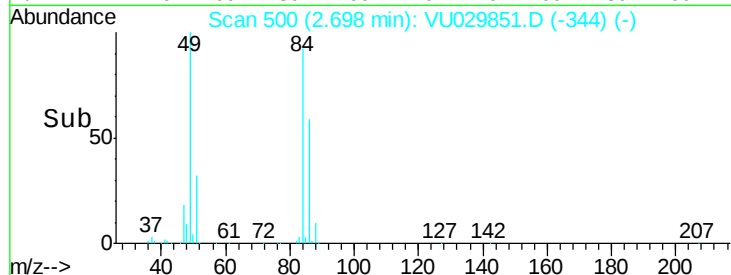
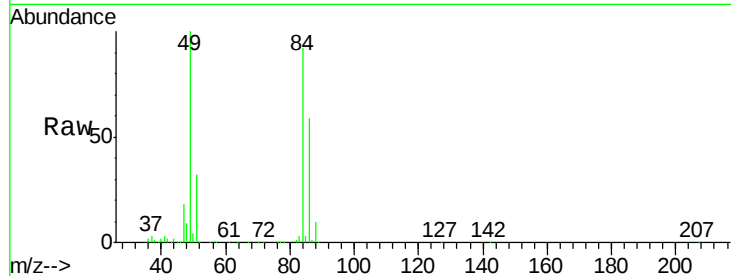
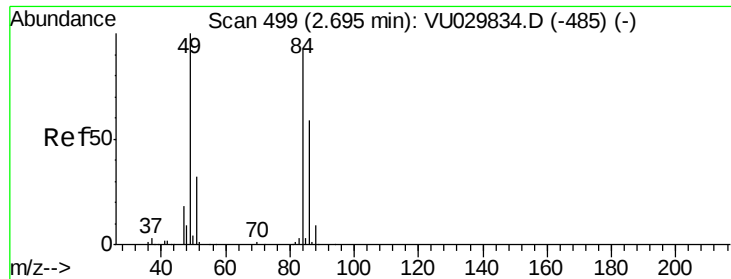
3/8/2019 11:48:03 AM



#14
Carbon Disulfide
Concen: 9.723 ug/l
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

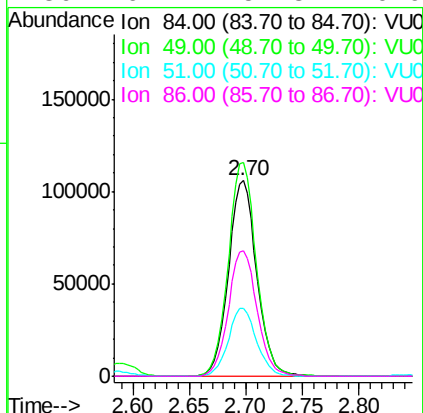
Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8





#15
Methvlene Chloride
Concen: 9.467 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tot Ion	84	Resp	184496
Ion	Ratio	Lower	Upper
84	100		
49	109.3	87.2	130.8
51	34.9	0.0	69.0
86	64.1	51.3	76.9

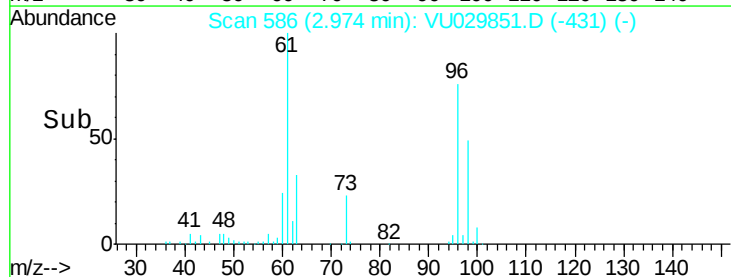
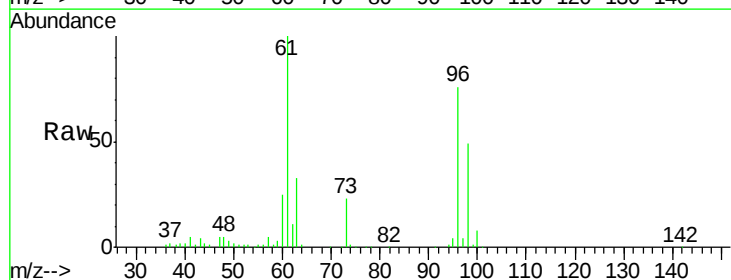
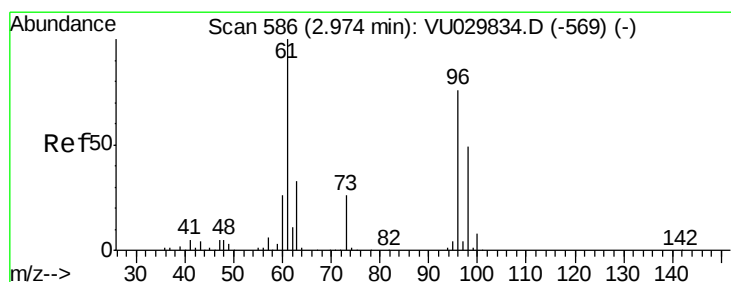


Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Manual Integrations
APPROVED

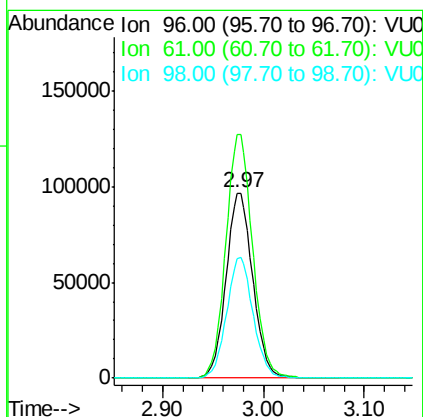
MMDadoda

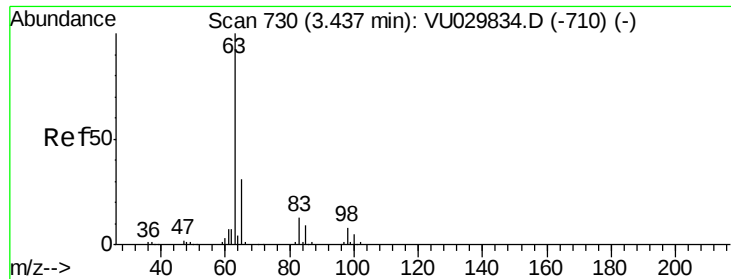
3/8/2019 11:48:03 AM



#16
trans-1,2-Dichloroethene
Concen: 9.749 ug/l
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tgt Ion	96	Resp	178854
Ion	Ratio	Lower	Upper
96	100		
61	131.7	104.7	157.1
98	64.8	50.9	76.3



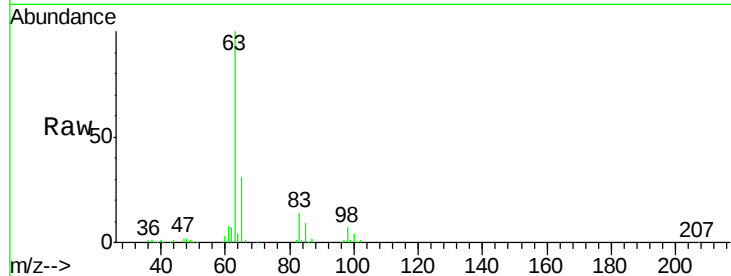


#17
 1,1-Dichloroethane
 Concen: 9.990 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU029851.D
 Acq: 07 Mar 2019 13:32

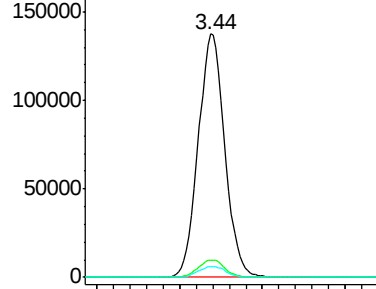
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	7.3	3.8	11.4
100	4.5	2.4	7.1

Manual Integrations
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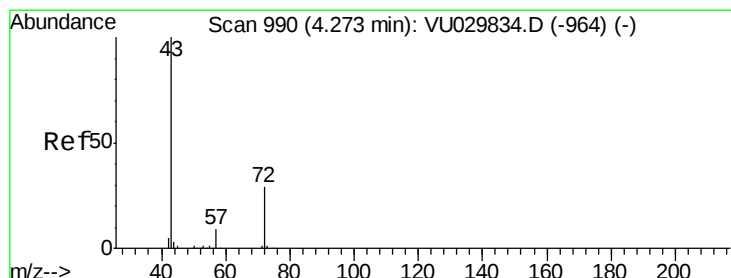
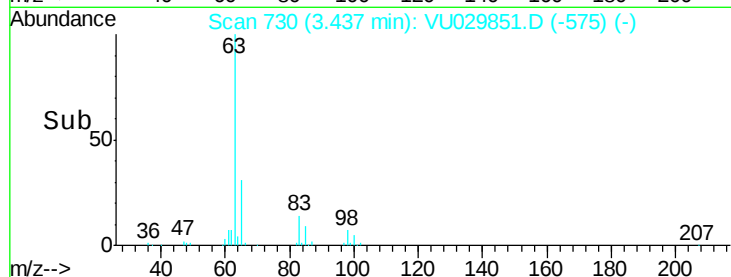


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0



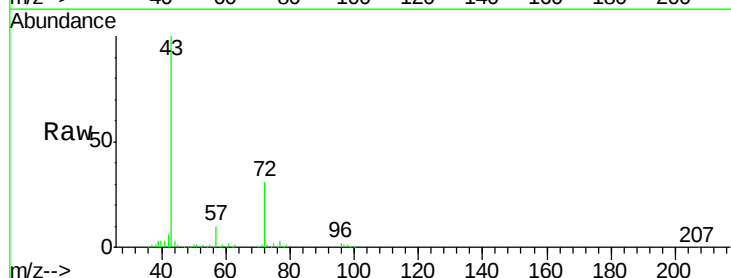
MMDadoda

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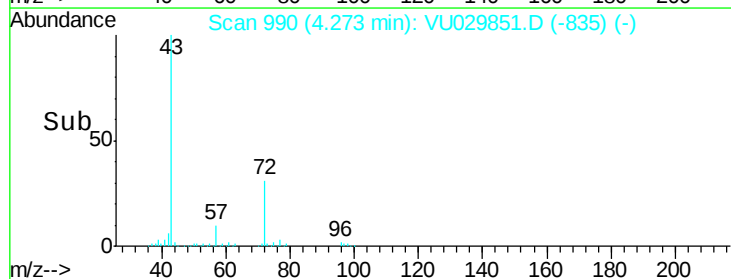
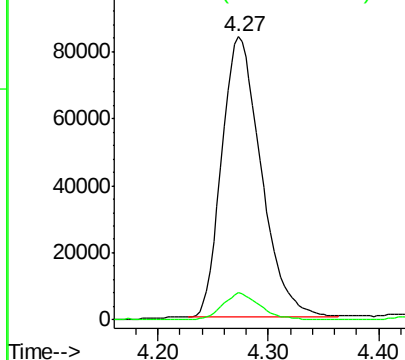


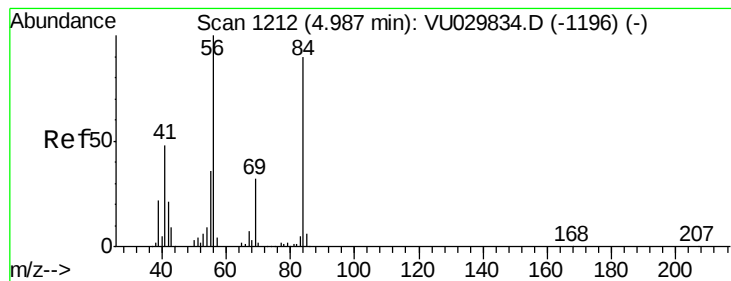
#18
 2-Butanone
 Concen: 51.647 ug/l
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VU029851.D
 Acq: 07 Mar 2019 13:32

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	9.5	0.0	18.6



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0





#19

Cyclohexane

Concen: 10.476 ug/l m

RT: 4.99 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VU029851.D

Acq: 07 Mar 2019 13:32

Instrument :

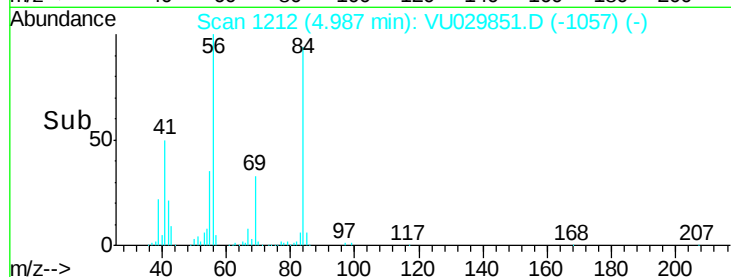
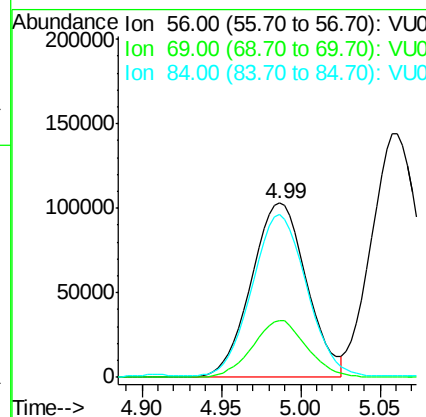
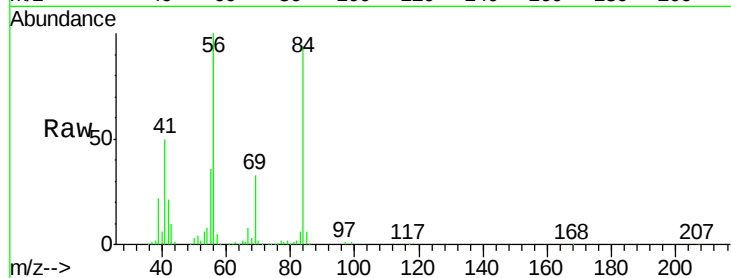
MSVOA_U

ClientSampleId :

VSTDCCC010EC

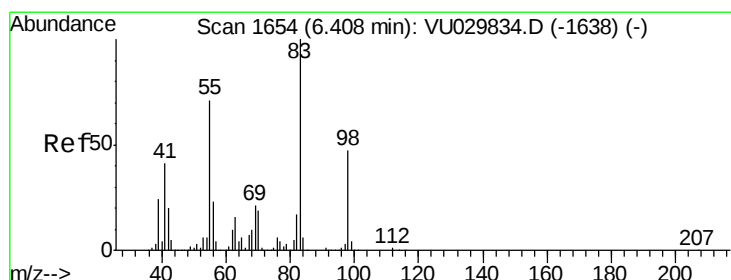
Tot Ion:	56	Resp:	249682
Ion	Ratio	Lower	Upper
56	100		
69	31.9	29.4	44.2
84	90.7	84.6	127.0

Manual Integrations
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#20

Methylcyclohexane

Concen: 10.669 ug/l

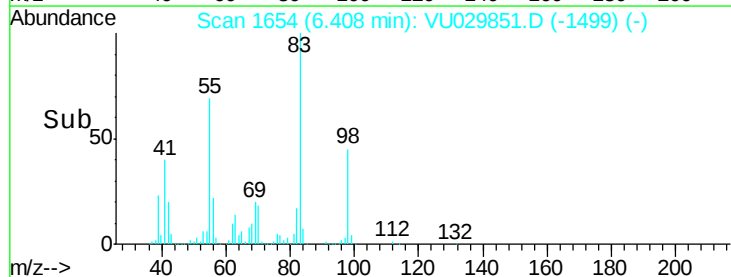
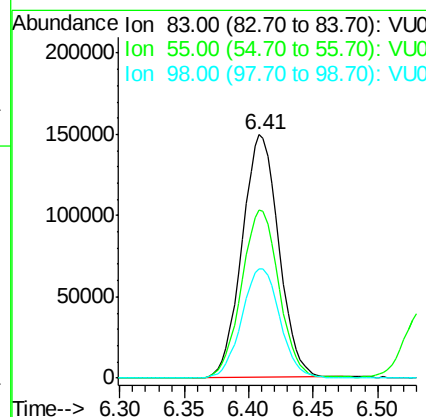
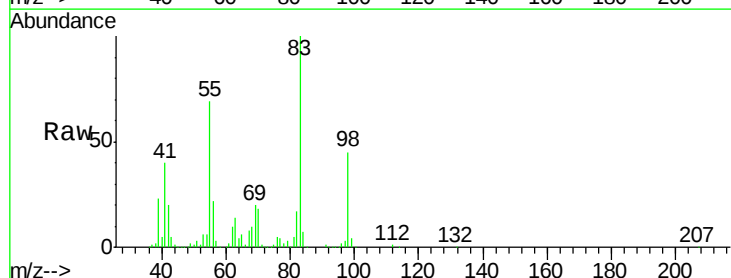
RT: 6.41 min Scan# 1654

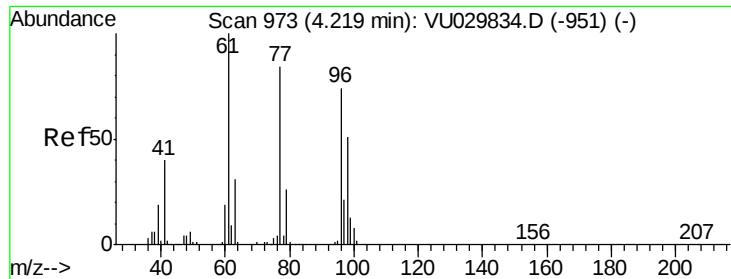
Delta R.T. -0.00 min

Lab File: VU029851.D

Acq: 07 Mar 2019 13:32

Tgt Ion:	83	Resp:	296150
Ion	Ratio	Lower	Upper
83	100		
55	70.0	55.9	83.9
98	46.6	37.0	55.4



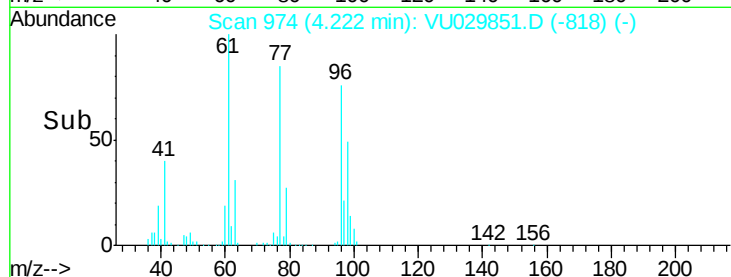
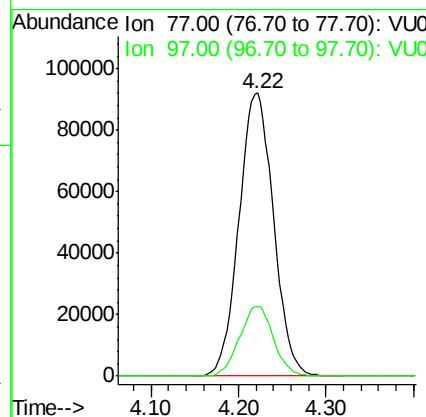
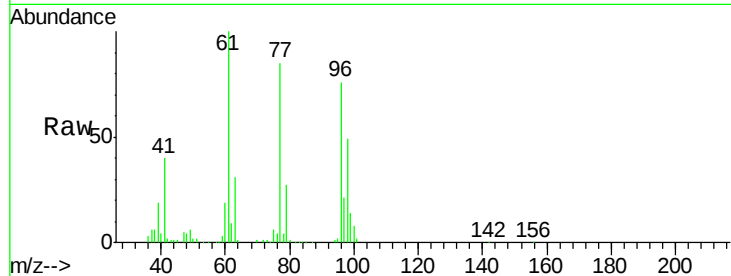


#21
2,2-Dichloropropane
Concen: 10.070 ug/l
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

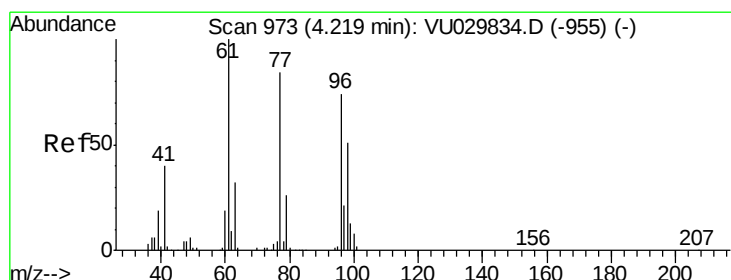
Tot Ion: 77 Resp: 252671
Ion Ratio Lower Upper
77 100
97 24.2 20.2 30.2

Manual Integrations
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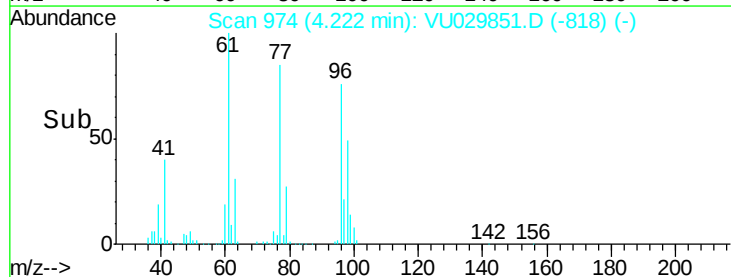
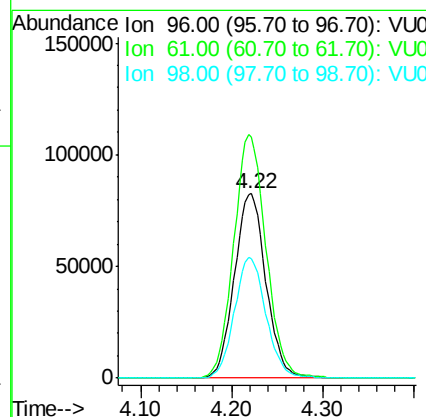
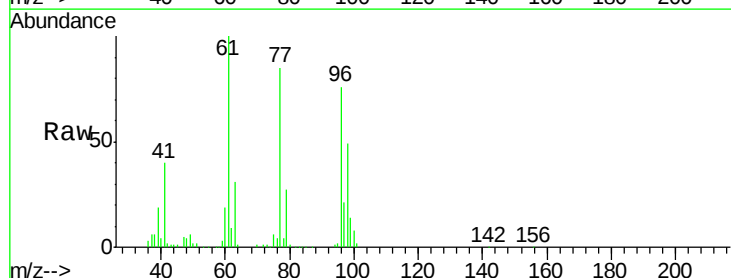
MMDadoda

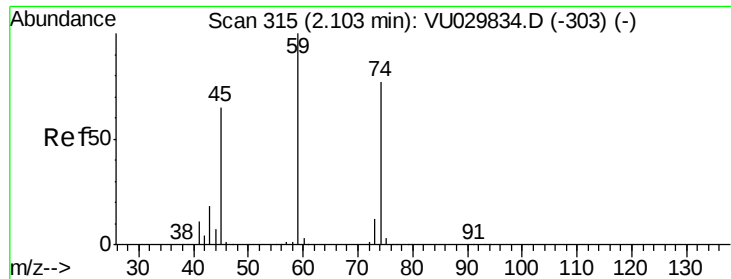
3/8/2019 11:48:03 AM



#22
cis-1,2-Dichloroethene
Concen: 10.255 ug/l
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tgt Ion: 96 Resp: 199402
Ion Ratio Lower Upper
96 100
61 134.8 0.0 339.0
98 65.3 33.1 99.5



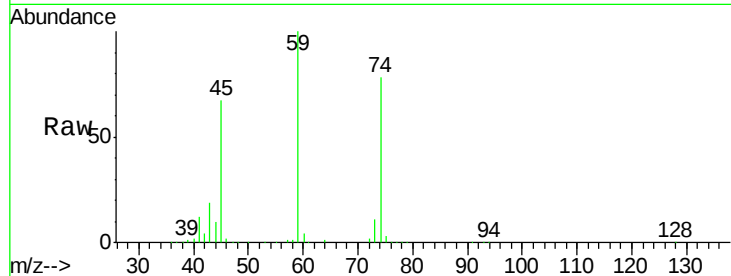


#23
Diethyl Ether
Concen: 9.921 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

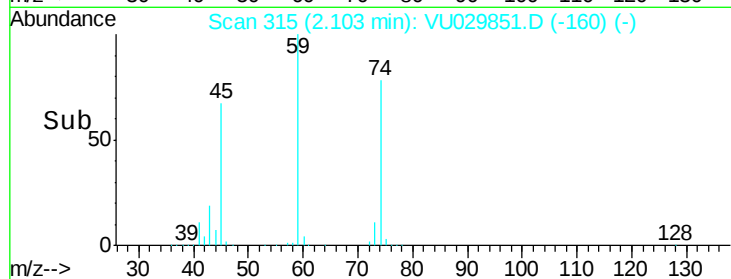
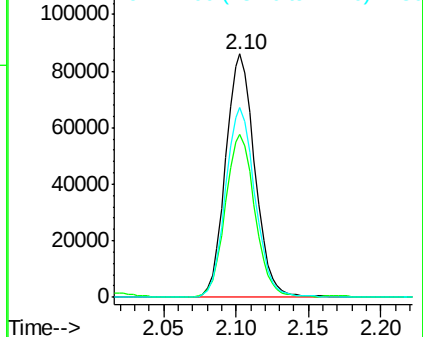
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	59	Ratio	Lower	Upper
120803	100			
45	67.0	52.7	79.1	
74	78.6	61.8	92.6	

Manual Integrations
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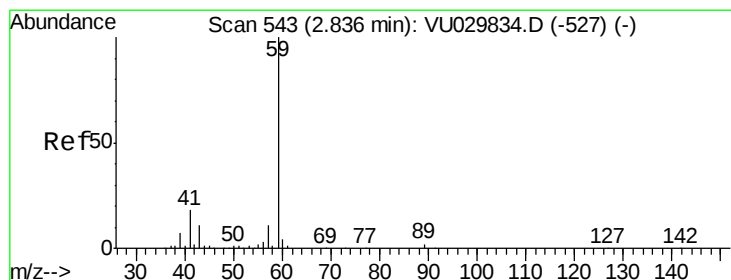


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0



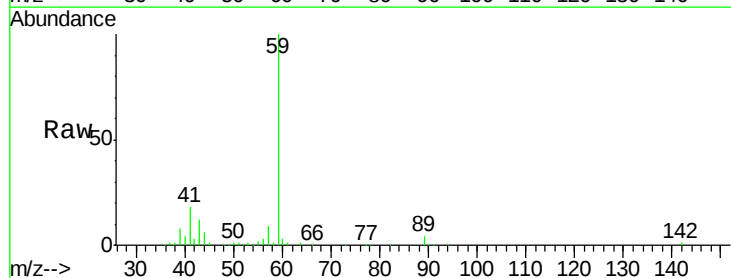
MMDadoda

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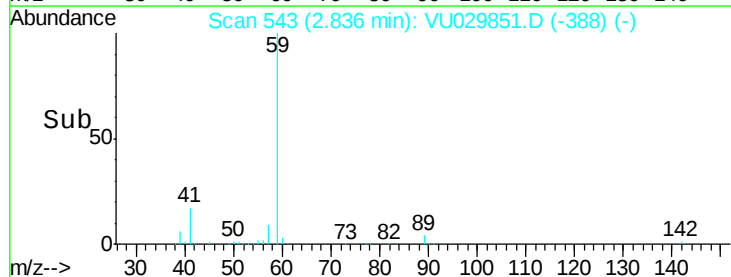
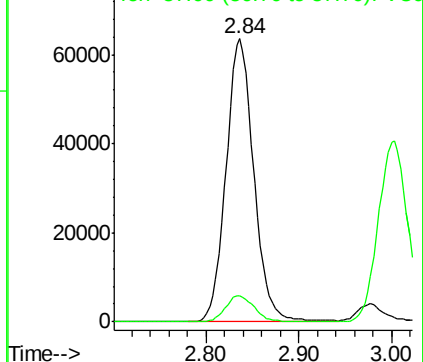


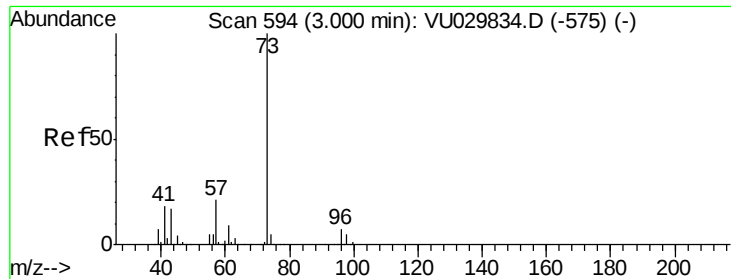
#24
tert-Butyl Alcohol
Concen: 105.251 ug/l
RT: 2.84 min Scan# 543
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tgt Ion	59	Ratio	Lower	Upper
132197	100			
57	9.6	8.5	12.7	



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





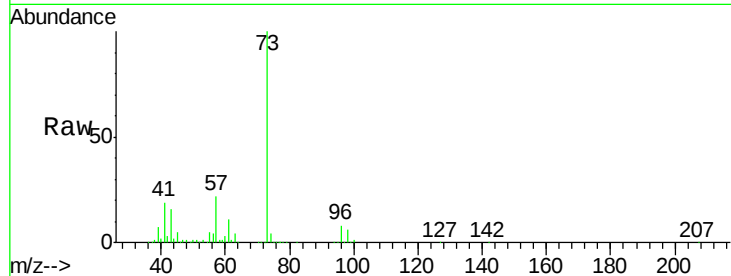
#25

Methyl tert-Butyl Ether
Concen: 10.013 ug/l
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

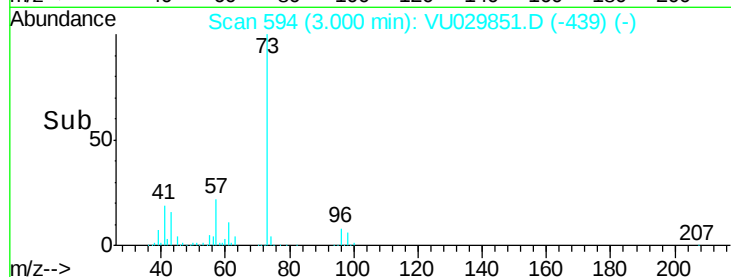
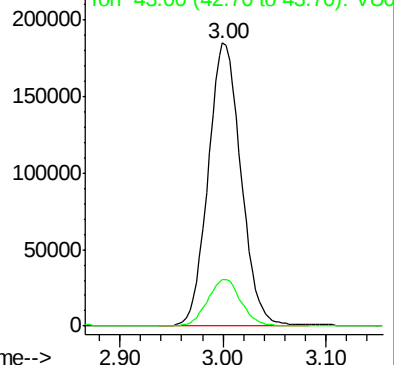
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	73	Resp	409532
Ion Ratio	100	Lower	Upper
73	100		
43	16.7	13.1	19.7

Manual Integrations
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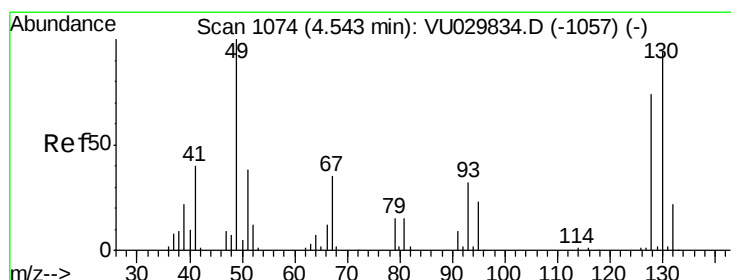


Abundance Ion 73.00 (72.70 to 73.70): VU029851.D (-439) (-)



MMDadoda

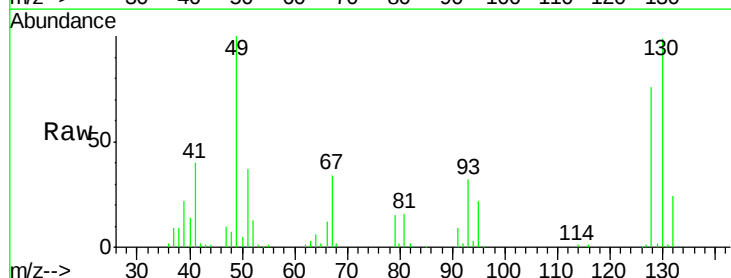
3/8/2019 11:48:03 AM



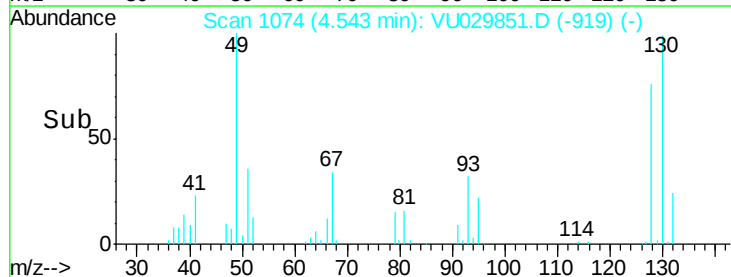
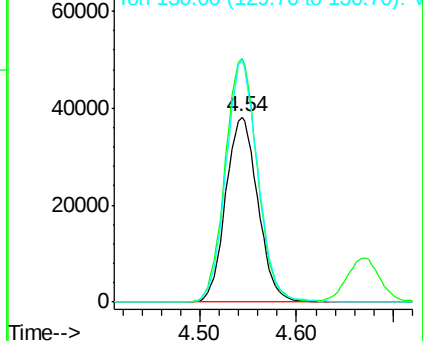
#26

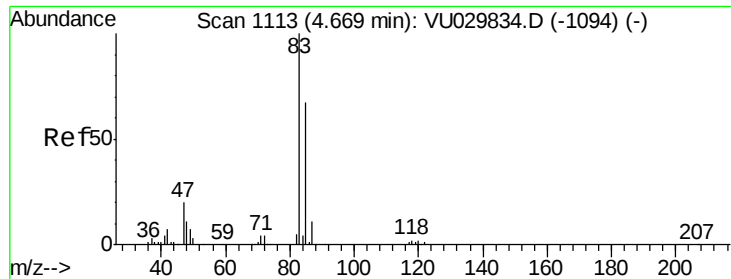
Bromochloromethane
Concen: 10.215 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tgt Ion	128	Resp	88174
Ion Ratio	100	Lower	Upper
128	100		
49	132.2	0.0	270.6
130	129.2	104.2	156.4



Abundance Ion 128.00 (127.70 to 128.70): VU029851.D (-919) (-)



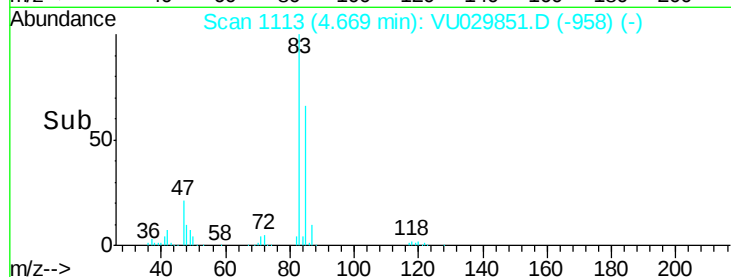
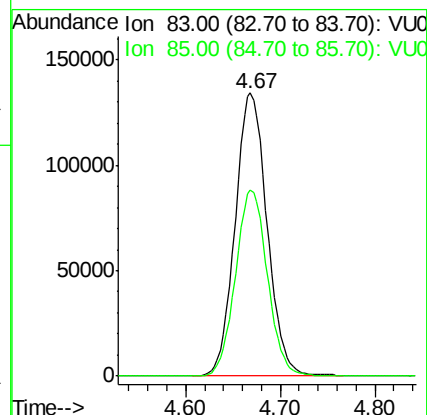
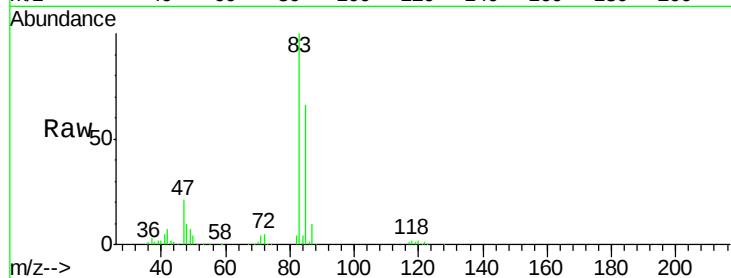


#27
Chloroform
Concen: 10.130 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

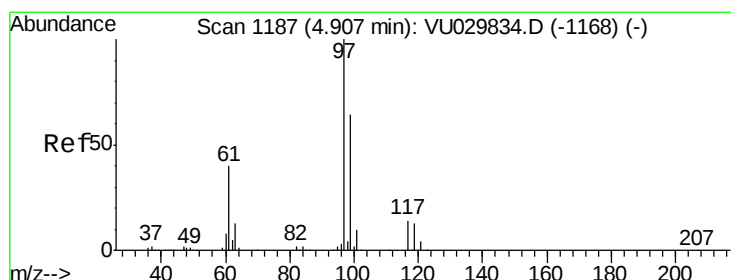
Tot Ion	83	Resp	314865
Ion Ratio	100	Lower	Upper
85	65.9	0.0	133.2

Manual Integrations
APPROVED



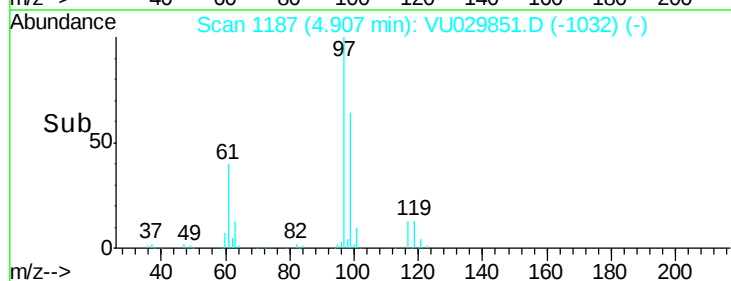
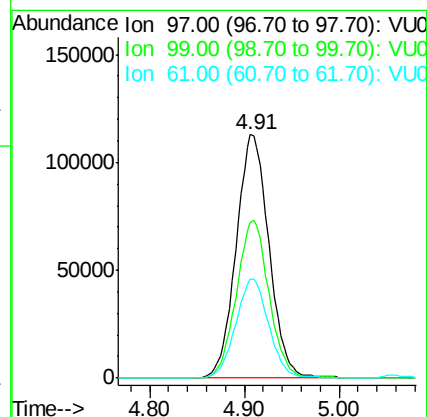
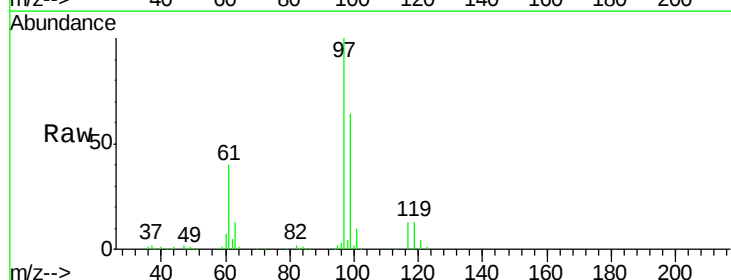
MMDadoda

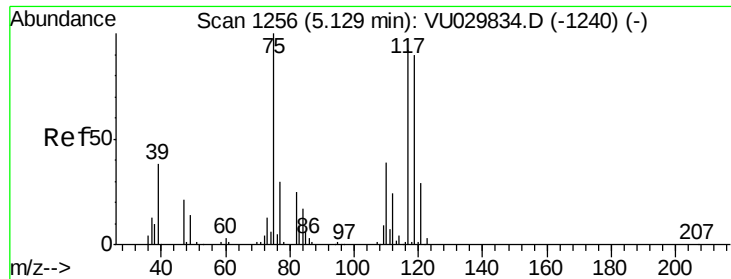
3/8/2019 11:48:03 AM



#28
1,1,1-Trichloroethane
Concen: 10.311 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tgt Ion	97	Resp	271739
Ion Ratio	100	Lower	Upper
99	64.6	31.9	95.9
61	41.0	20.4	61.3





#29

1,1-Dichloropropene

Concen: 10.133 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU029851.D

Acq: 07 Mar 2019 13:32

Instrument :

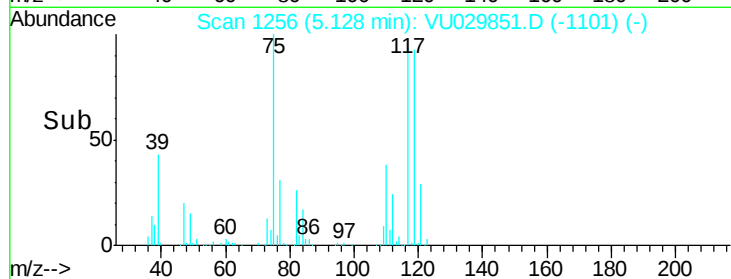
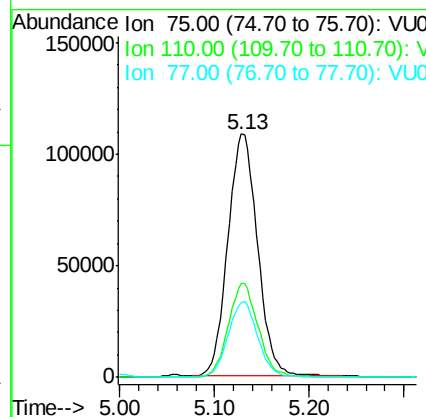
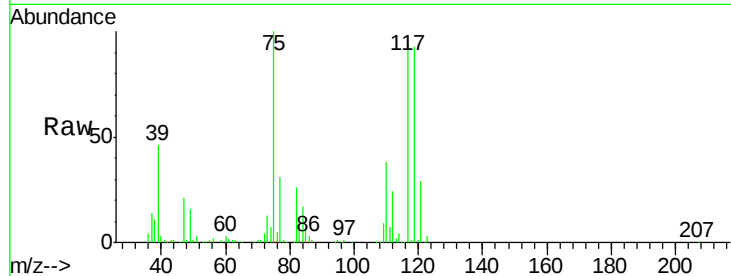
MSVOA_U

ClientSampleId :

VSTDCCC010EC

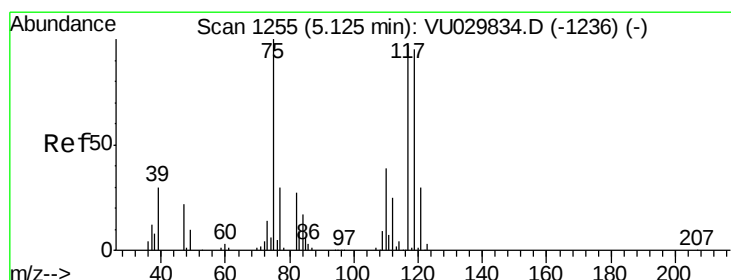
Tot Ion:	75	Resp:	237318
Ion Ratio	Lower	Upper	
75	100		
110	39.2	19.1	57.5
77	30.7	23.9	35.9

Manual Integrations
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3/8/2019 11:48:03 AM



#30

Carbon Tetrachloride

Concen: 10.473 ug/l

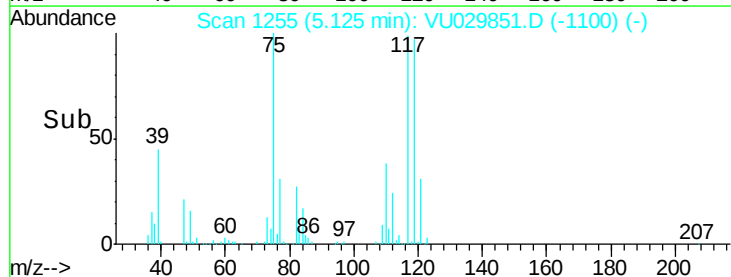
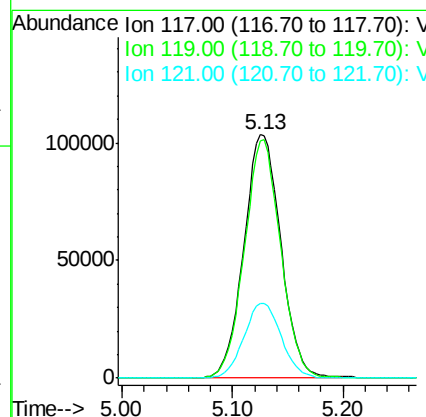
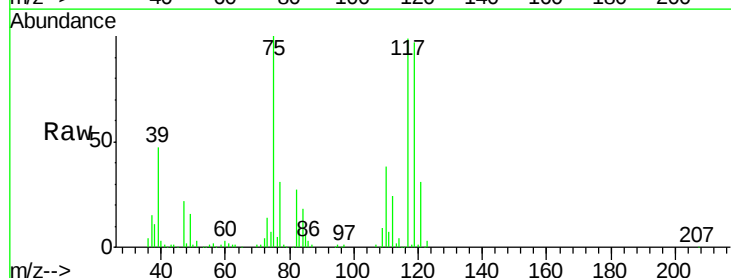
RT: 5.13 min Scan# 1255

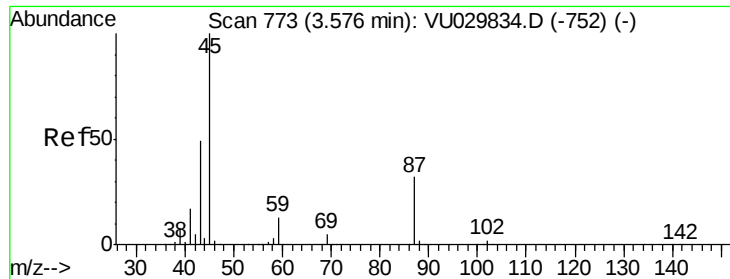
Delta R.T. -0.00 min

Lab File: VU029851.D

Acq: 07 Mar 2019 13:32

Tgt Ion:	117	Resp:	240790
Ion Ratio	Lower	Upper	
117	100		
119	97.5	78.4	117.6
121	30.8	25.0	37.4





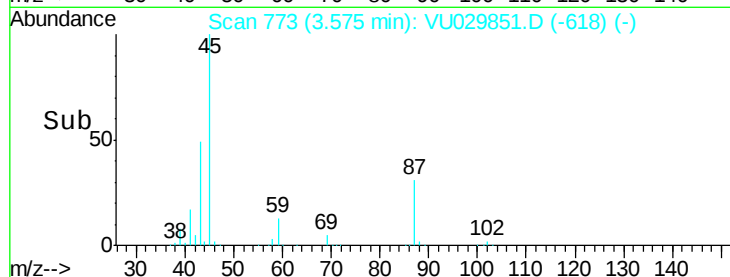
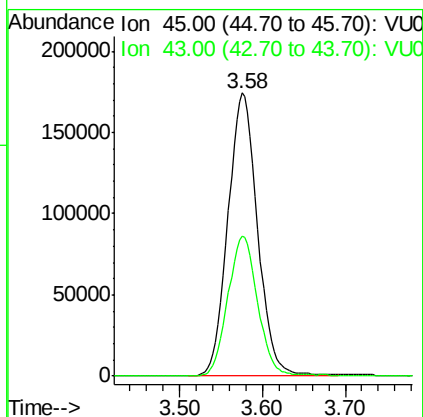
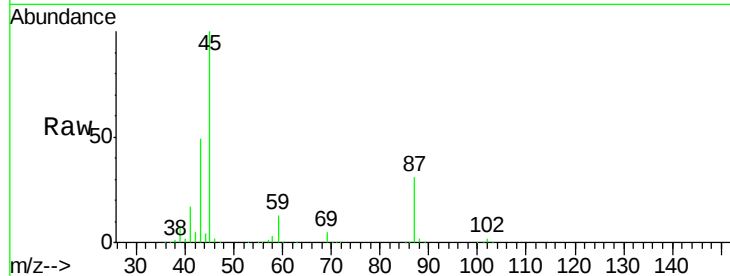
#31

Isopropyl Ether
Concen: 10.263 ug/l
RT: 3.58 min Scan# 773
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

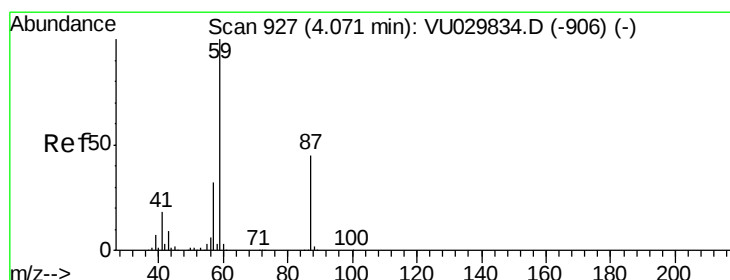
Tot Ion	Ratio	Lower	Upper
45	100		
43	49.4	24.3	72.9

Manual Integrations
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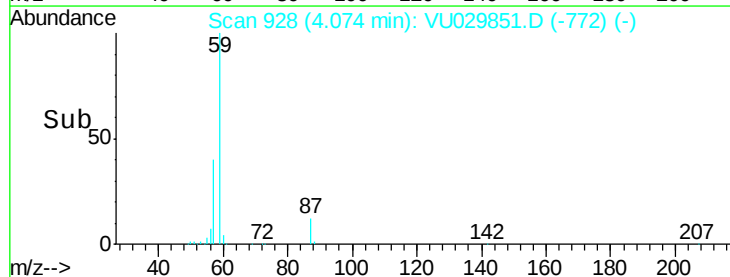
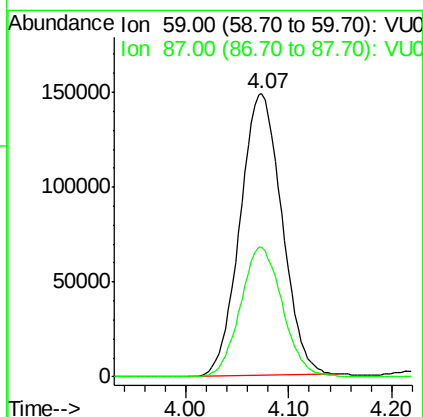
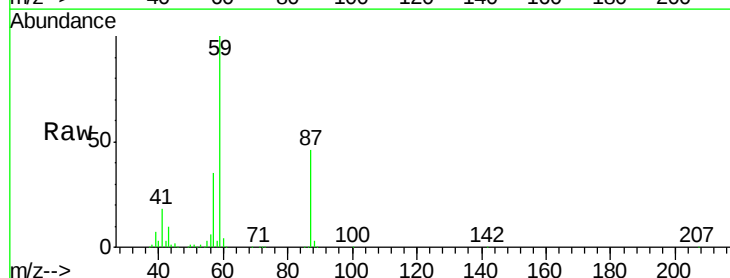
3/8/2019 11:48:03 AM

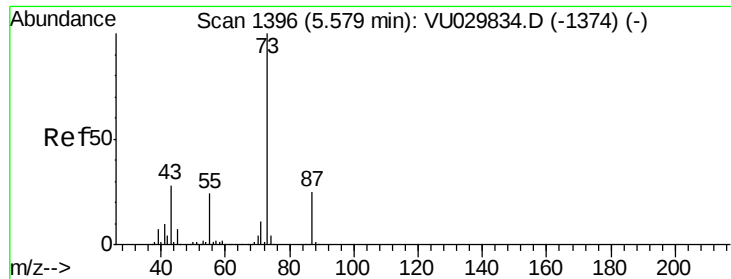


#32

Ethyl-t-butyl ether
Concen: 10.202 ug/l
RT: 4.07 min Scan# 928
Delta R.T. 0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
59	100		
87	45.6	36.2	54.4



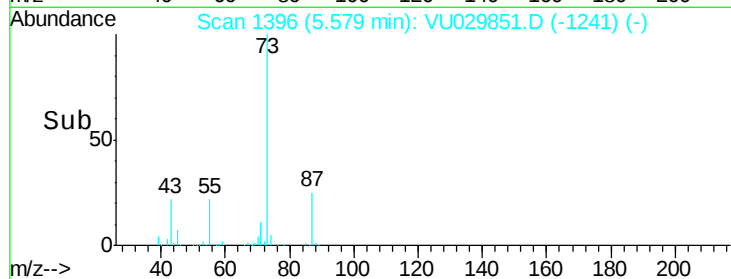
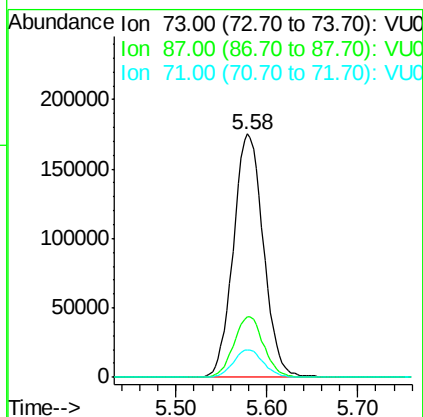
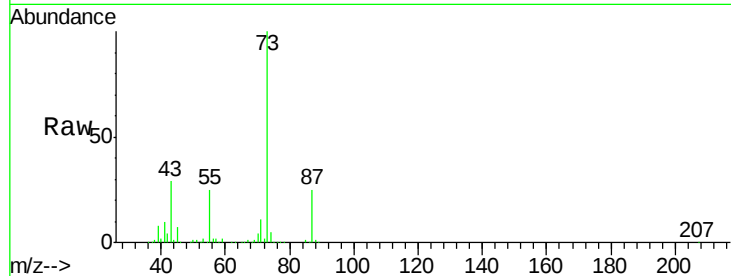


#33
Tert-Butyl methyl ether
Concen: 10.496 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

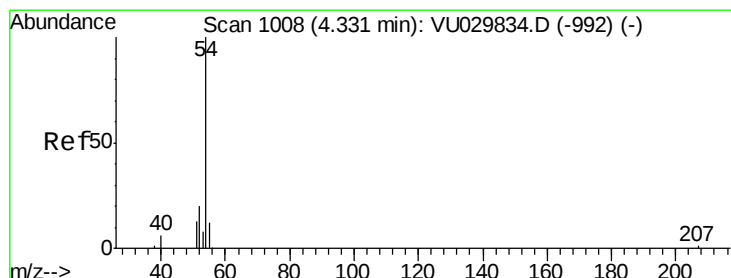
Tot Ion	Ratio	Lower	Upper
73	100		
87	25.0	19.7	29.5
71	11.4	9.4	14.2

Manual Integrations
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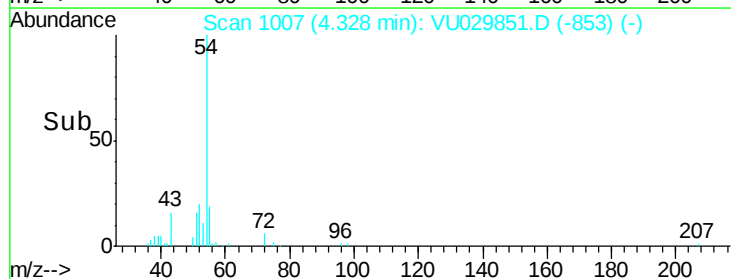
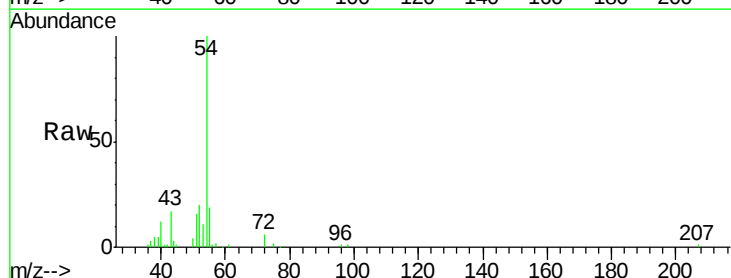
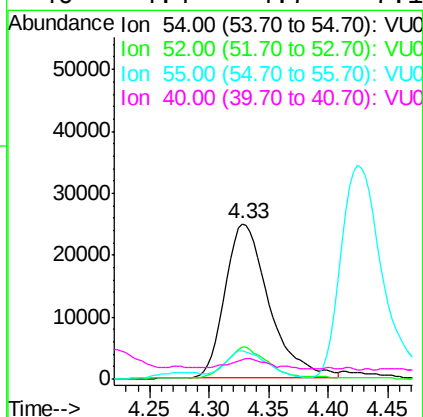
MMDadoda

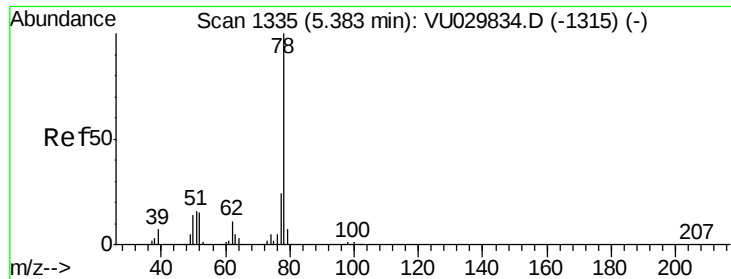
3/8/2019 11:48:03 AM



#34
Propionitrile
Concen: 53.557 ug/l
RT: 4.33 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
54	100		
52	17.9	16.1	24.1
55	16.4	11.2	16.8
40	4.4	4.7	7.1#



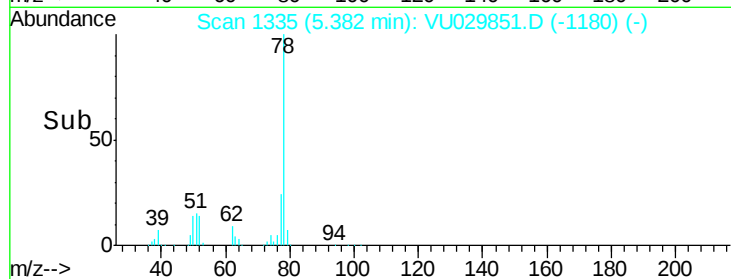
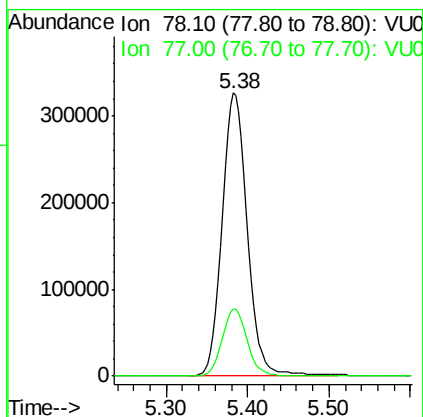
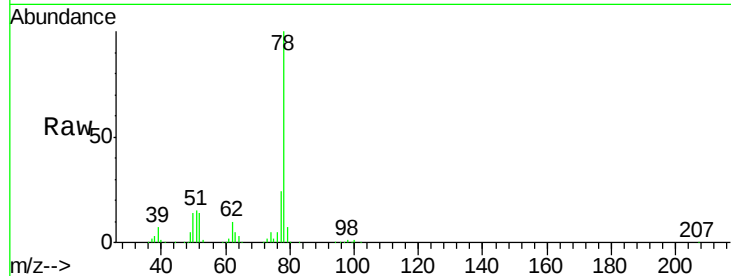


#35
Benzene
Concen: 10.358 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

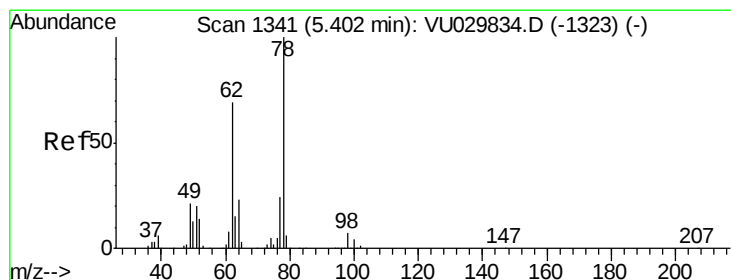
Tot Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8

Manual Integrations
APPROVED



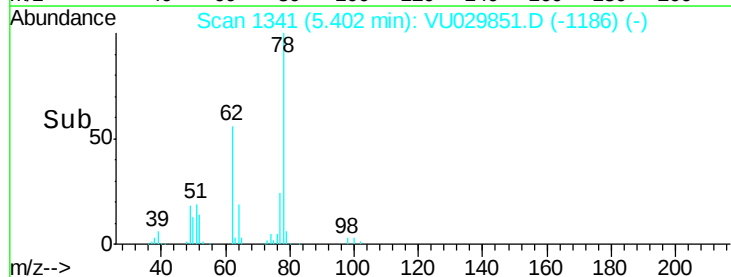
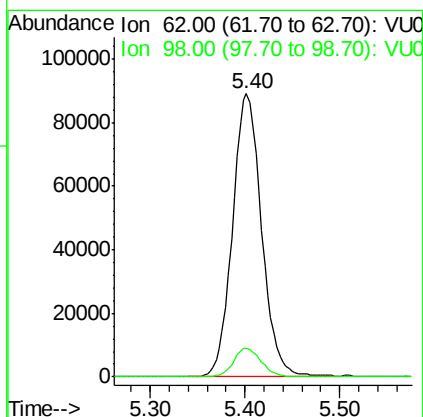
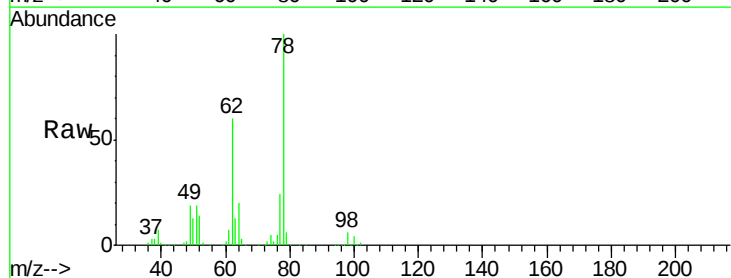
MMDadoda

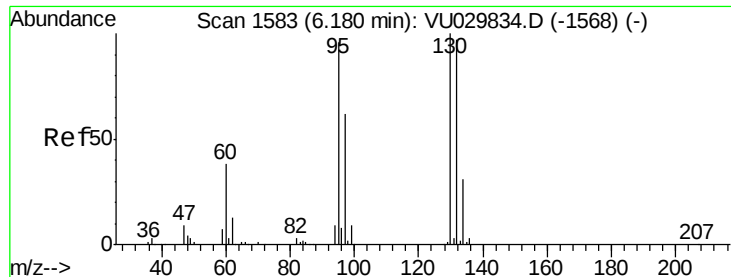
3/8/2019 11:48:03 AM



#36
1,2-Dichloroethane
Concen: 10.118 ug/l
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	8.2	12.2



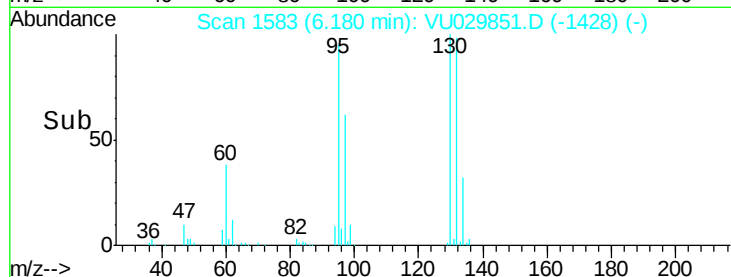
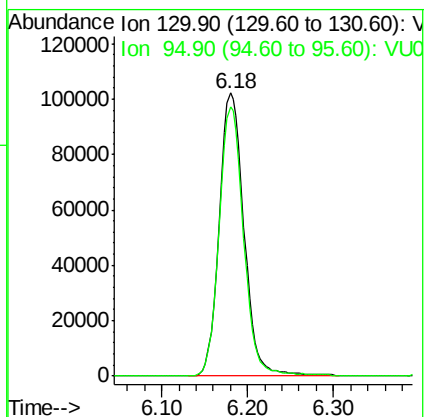
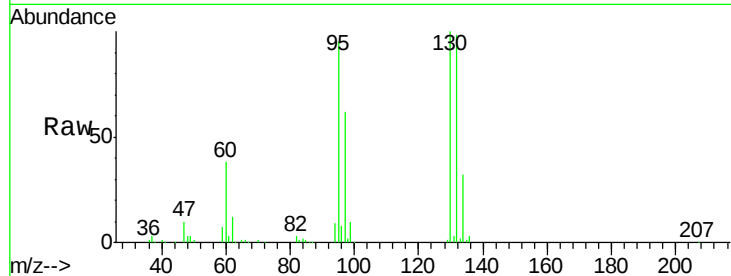


#37
 Trichloroethene
 Concen: 10.190 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU029851.D
 Acq: 07 Mar 2019 13:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

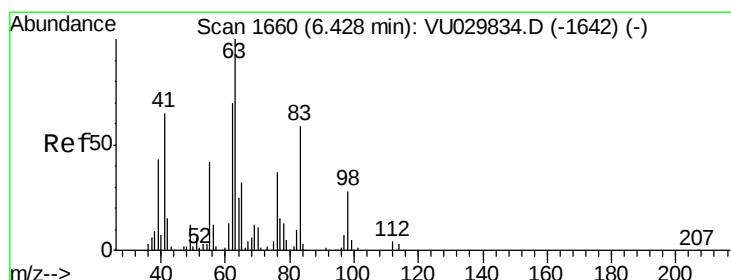
Tot Ion:130 Resp: 205261
 Ion Ratio Lower Upper
 130 100
 95 95.1 76.6 114.8

Manual Integrations
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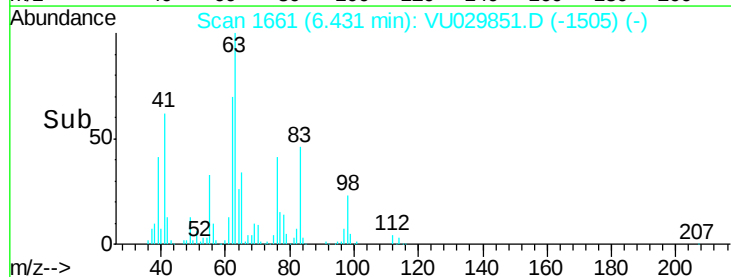
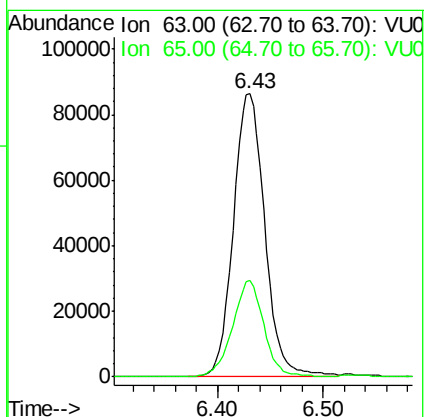
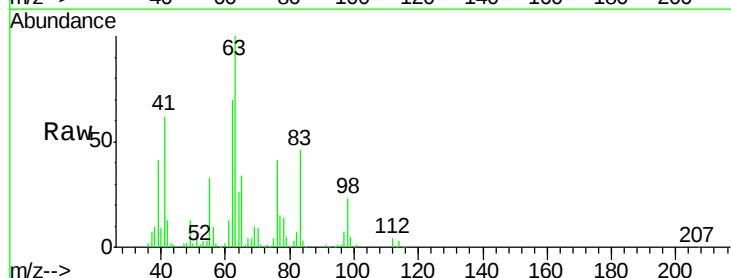
MMDadoda

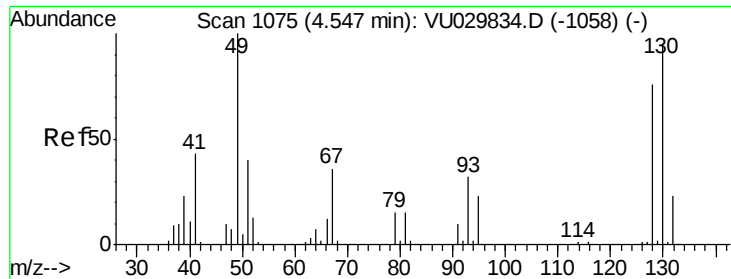
3/8/2019 11:48:03 AM



#38
 1,2-Dichloropropane
 Concen: 10.233 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029851.D
 Acq: 07 Mar 2019 13:32

Tgt Ion: 63 Resp: 178705
 Ion Ratio Lower Upper
 63 100
 65 33.9 25.4 38.2



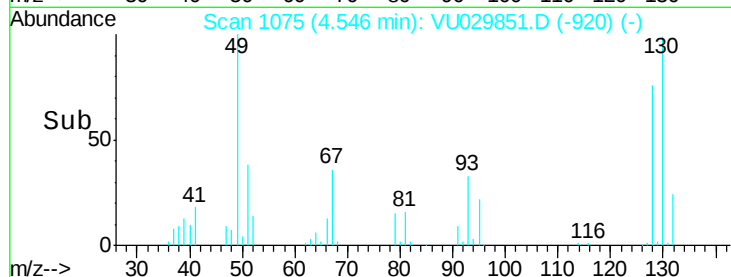
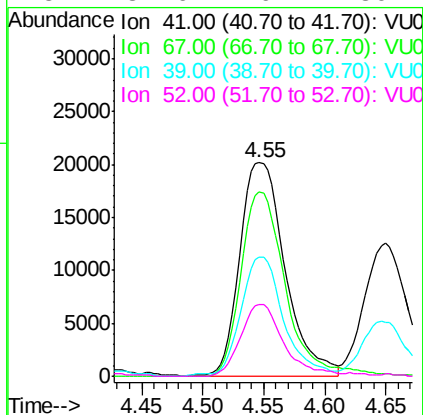
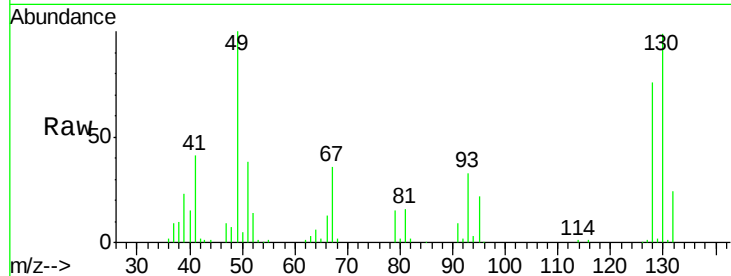


#39
Methacrylonitrile
Concen: 10.449 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

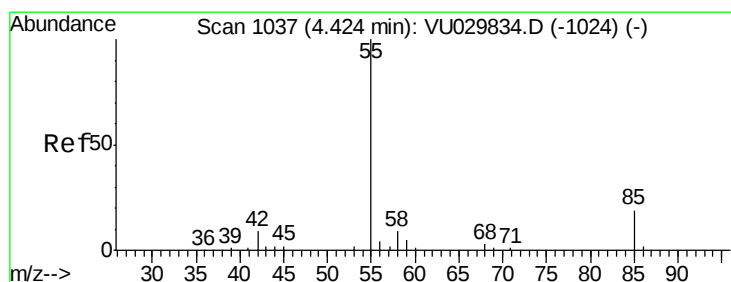
Tot Ion	41	Resp	52115
Ion	Ratio	Lower	Upper
41	100		
67	84.8	68.4	102.6
39	49.9	42.6	63.8
52	31.6	26.2	39.4

Manual Integrations
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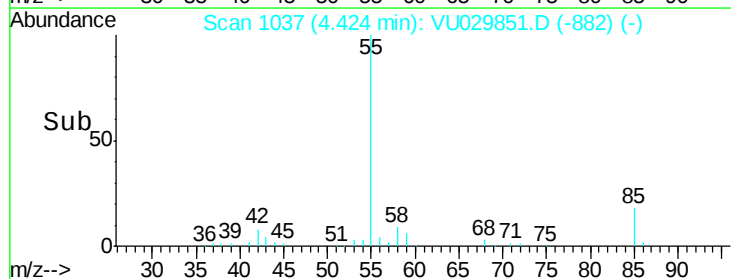
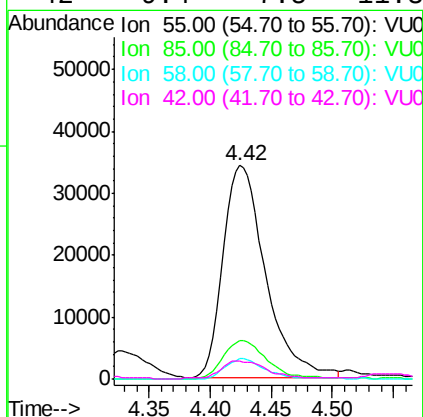
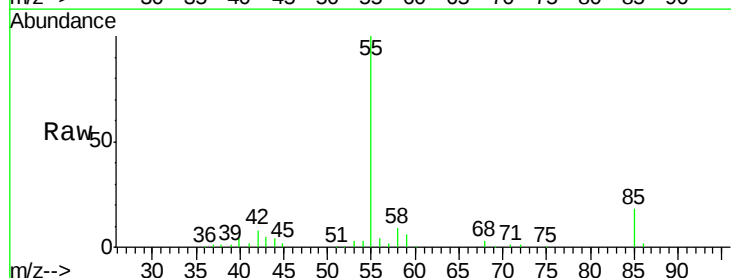
MMDadoda

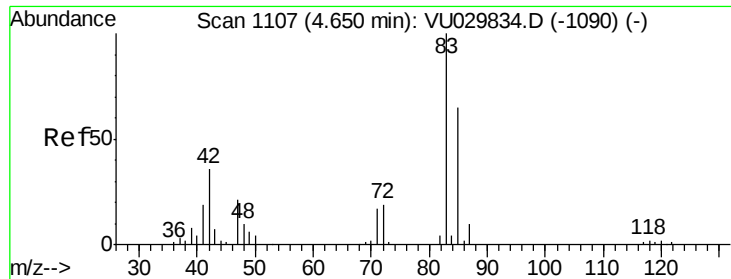
3/8/2019 11:48:03 AM



#40
Methyl acrylate
Concen: 10.564 ug/l
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tgt Ion	55	Resp	83281
Ion	Ratio	Lower	Upper
55	100		
85	18.7	15.2	22.8
58	8.9	7.6	11.4
42	9.4	7.5	11.3



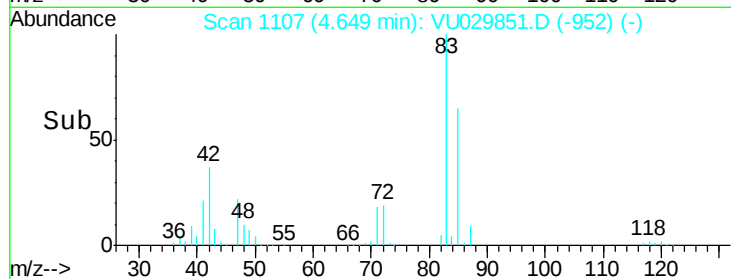
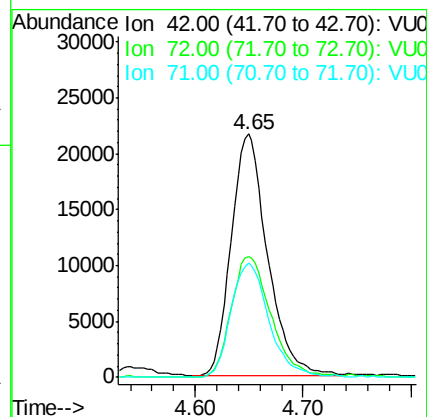
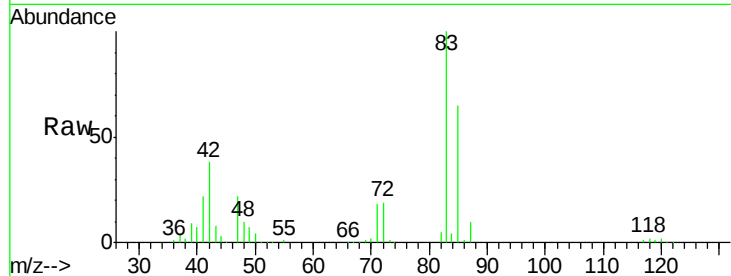


#41
Tetrahydrofuran
Concen: 19.518 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

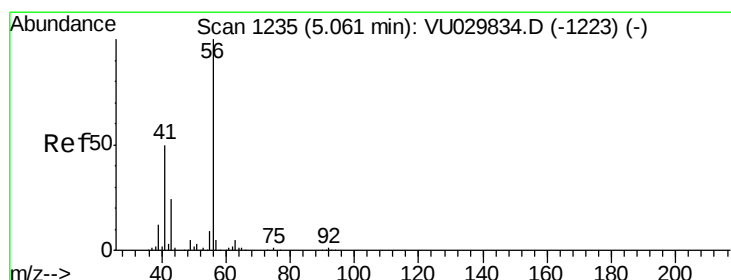
Tot Ion	Ratio	Lower	Upper
42	100		
72	54.7	43.6	65.4
71	49.1	37.5	56.3

Manual Integrations
APPROVED



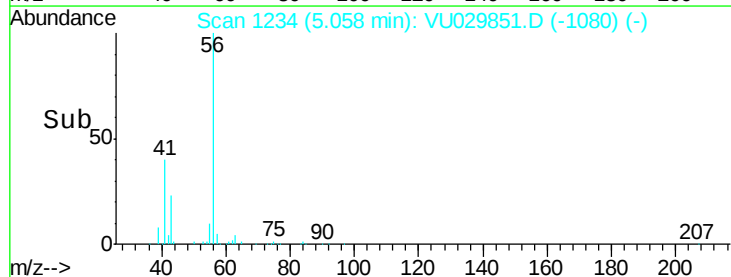
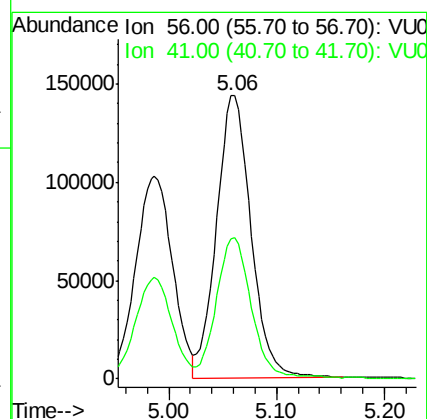
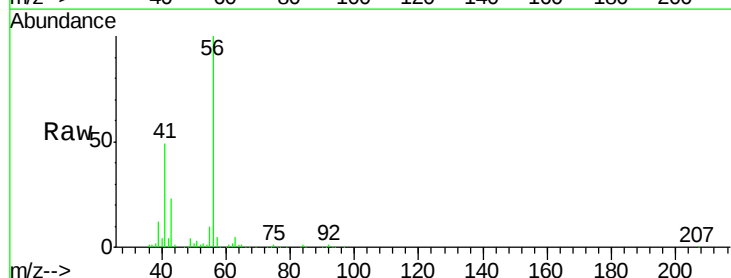
MMDadoda

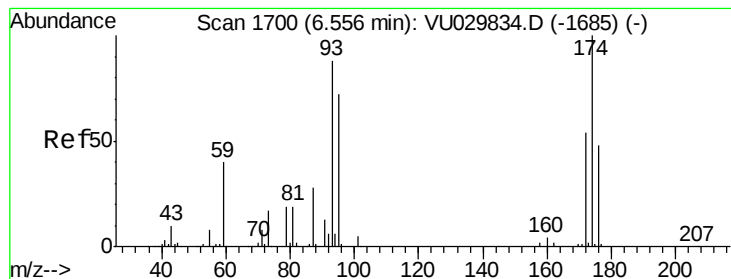
3/8/2019 11:48:03 AM



#42
1-Chlorobutane
Concen: 10.647 ug/l
RT: 5.06 min Scan# 1234
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
56	100		
41	50.0	25.0	75.0





#43

Dibromomethane

Concen: 10.137 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU029851.D

Acq: 07 Mar 2019 13:32

Instrument :

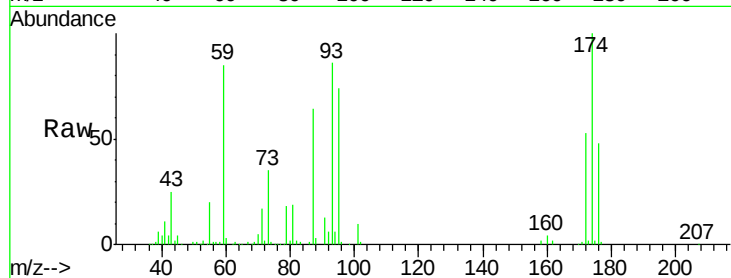
MSVOA_U

ClientSampleId :

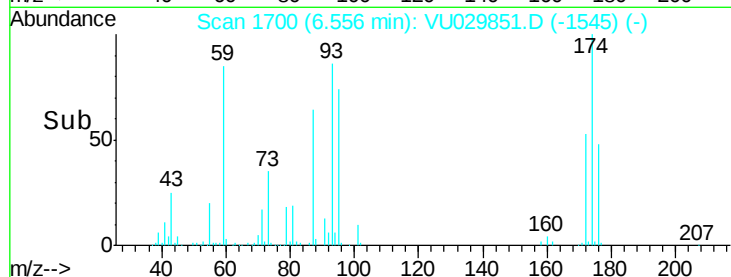
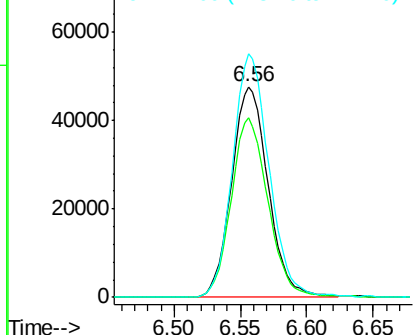
VSTDCCC010EC

Tot Ion:	93	Resp:	91754
Ion	Ratio	Lower	Upper
93	100		
95	85.7	67.0	100.6
174	114.7	91.4	137.2

Manual Integrations
APPROVED

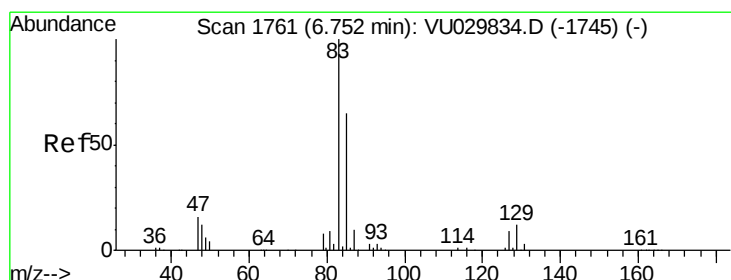


Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V



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3/8/2019 11:48:03 AM



#44

Bromodichloromethane

Concen: 10.301 ug/l

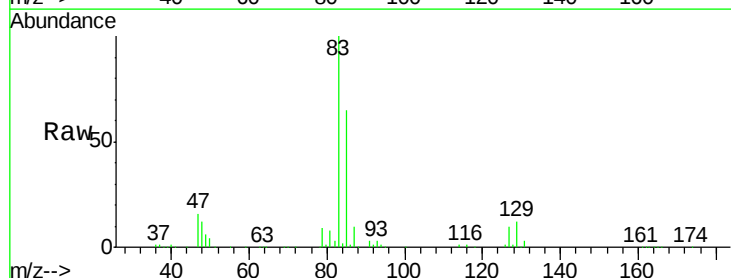
RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

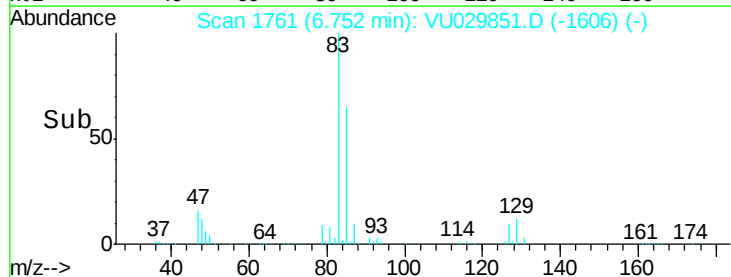
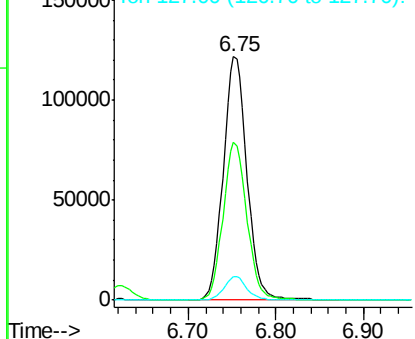
Lab File: VU029851.D

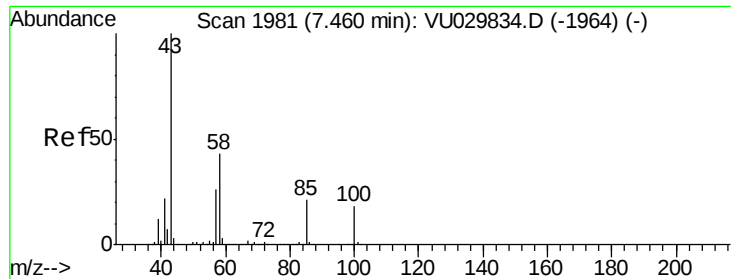
Acq: 07 Mar 2019 13:32

Tgt Ion:	83	Resp:	228988
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.7	77.5
127	9.7	7.4	11.2



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V



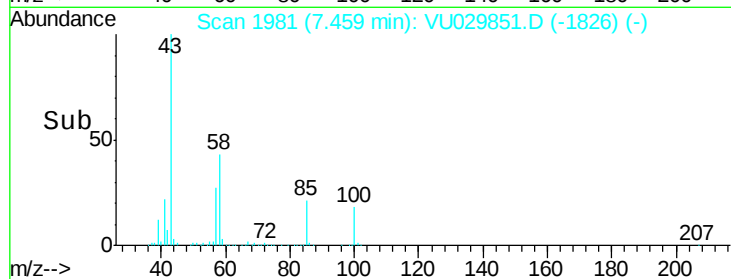
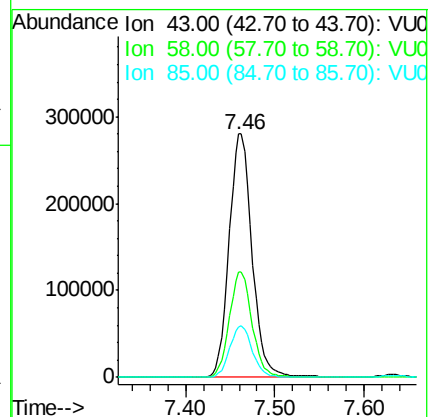
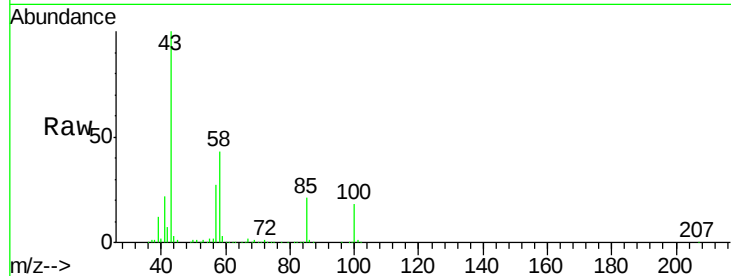


#45
4-Methyl-2-Pentanone
Concen: 52.934 ug/l
RT: 7.46 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

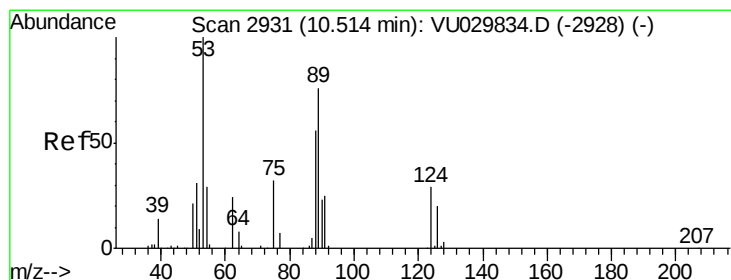
Tot Ion	Ratio	Lower	Upper
43	100		
58	42.9	21.6	65.0
85	20.9	16.5	24.7

Manual Integrations
APPROVED



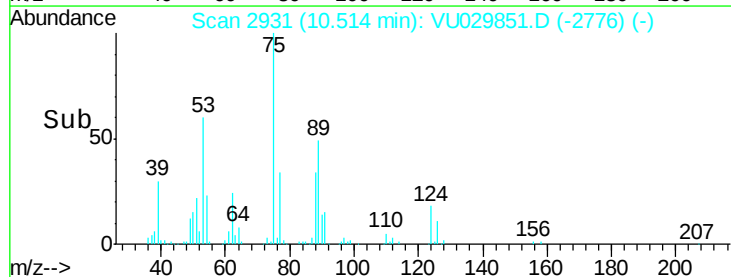
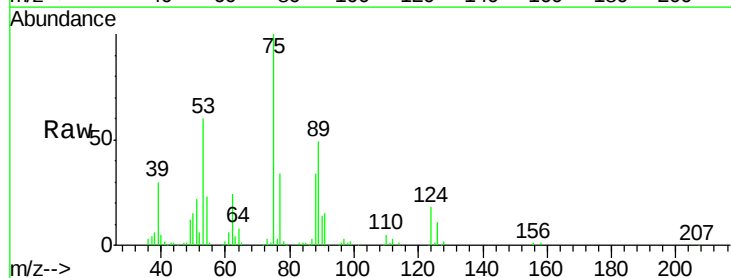
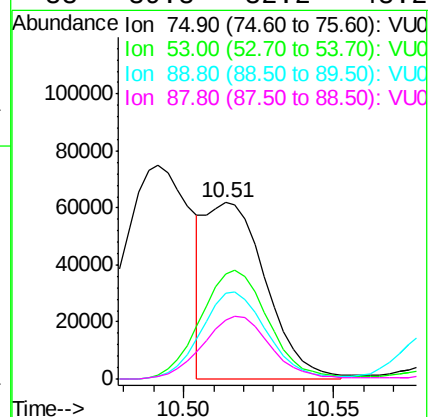
MMDadoda

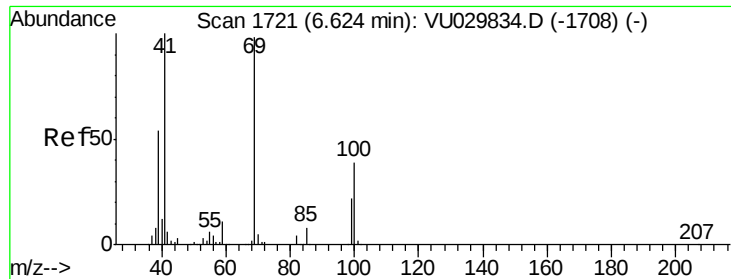
3/8/2019 11:48:03 AM



#46
t-1,4-Dichloro-2-butene
Concen: 21.880 ug/l m
RT: 10.51 min Scan# 2931
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
75	100		
53	69.6	59.2	88.8
89	54.0	44.9	67.3
88	39.8	32.2	48.2



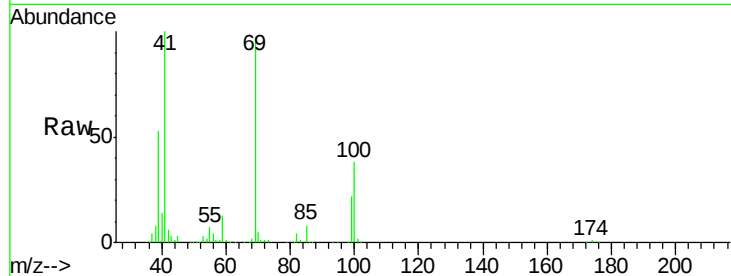


#47
Methvl methacrylate
Concen: 21.656 ug/l
RT: 6.62 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

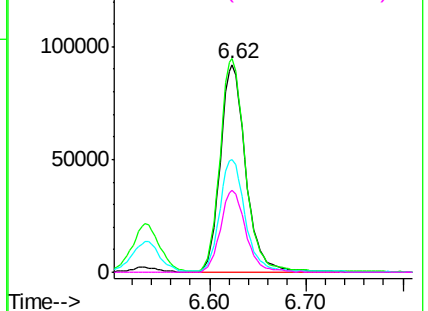
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	100.7	0.0	201.0	
39	53.6	43.3	64.9	
100	38.9	31.5	47.3	

Manual Integrations
APPROVED

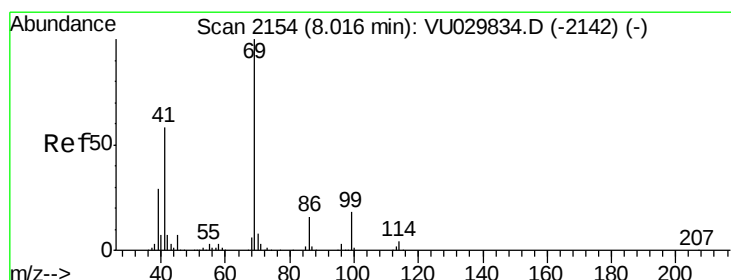
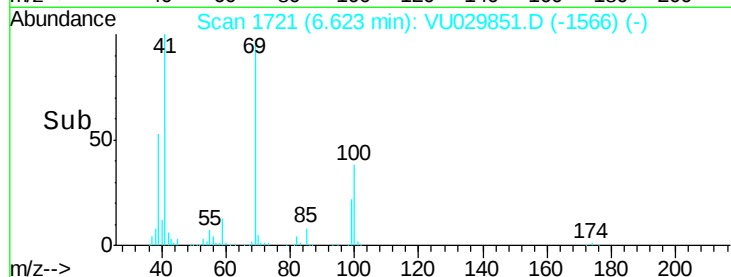


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0



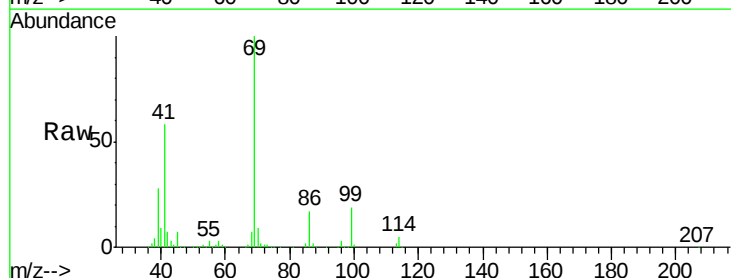
MMDadoda

3/8/2019 11:48:03 AM

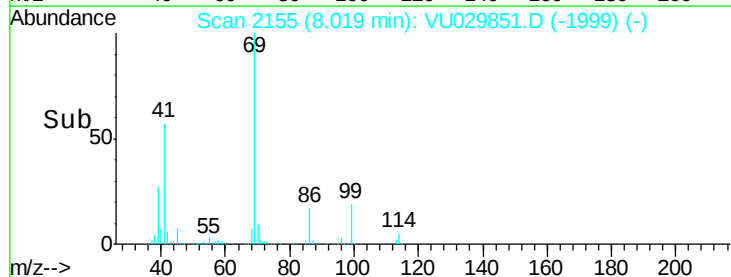
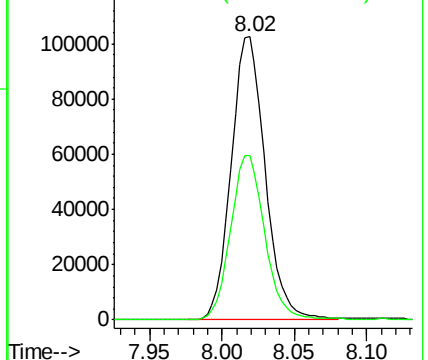


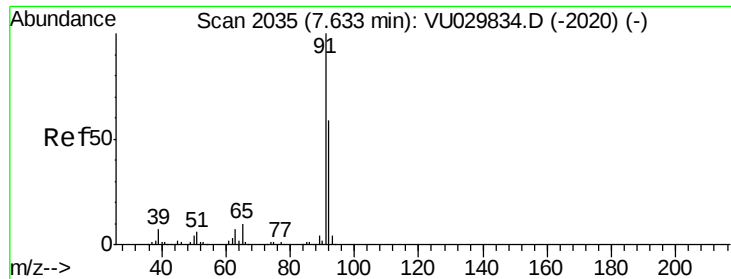
#48
Ethyl methacrylate
Concen: 11.236 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	58.4	29.0	87.1	



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 10.784 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029851.D

Acq: 07 Mar 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 92 Resp: 456945

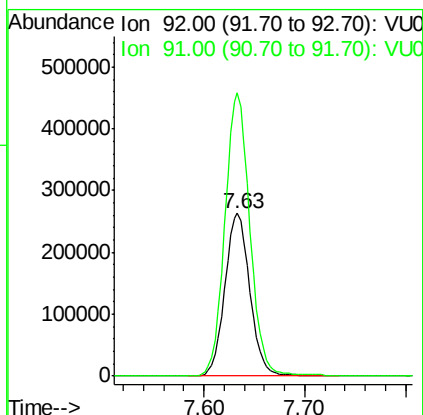
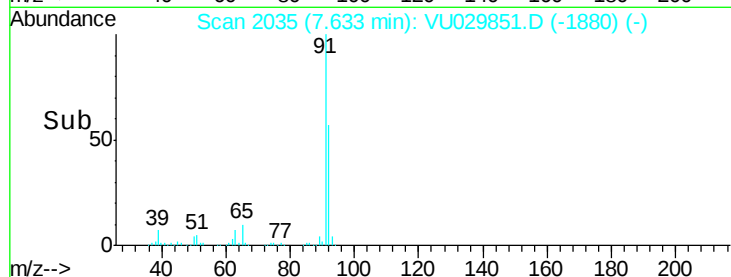
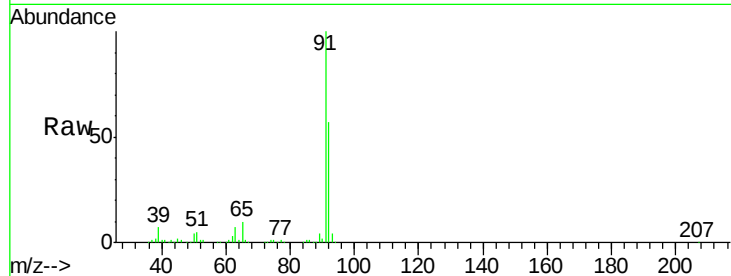
Ion Ratio Lower Upper

92 100

91 173.6 137.8 206.8

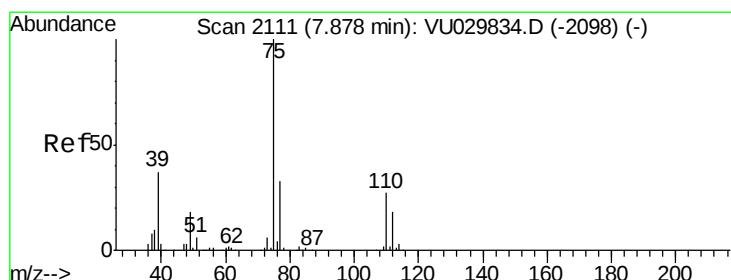
Manual Integrations

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3/8/2019 11:48:03 AM



#50

t-1,3-Dichloropropene

Concen: 10.546 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU029851.D

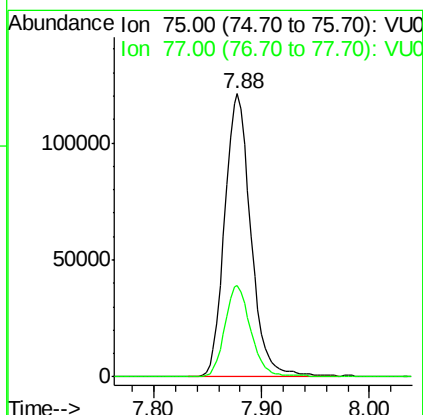
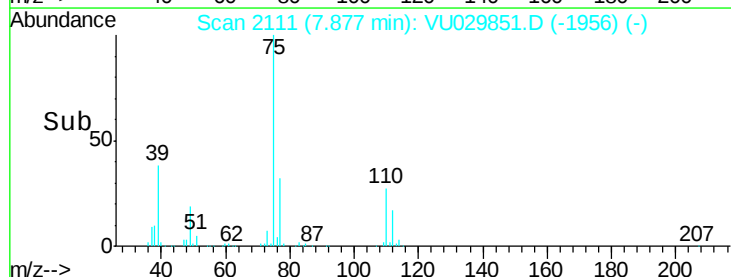
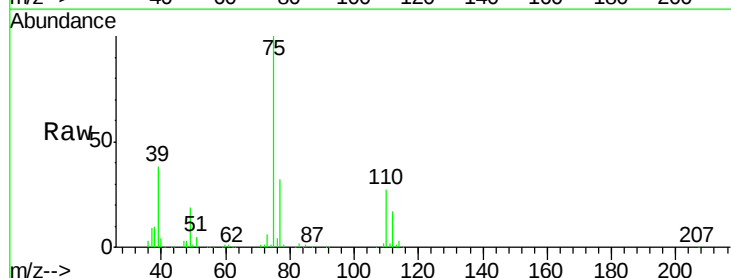
Acq: 07 Mar 2019 13:32

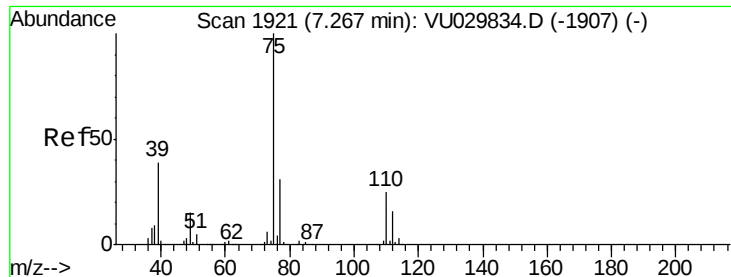
Tgt Ion: 75 Resp: 205445

Ion Ratio Lower Upper

75 100

77 32.4 26.4 39.6



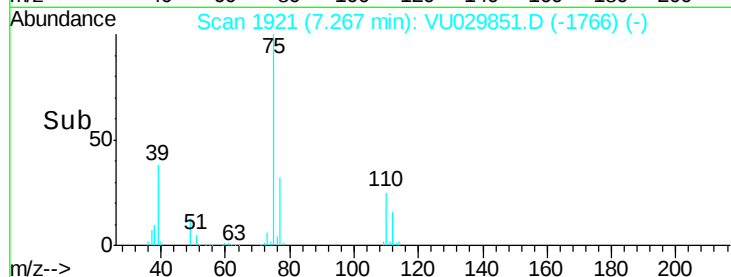
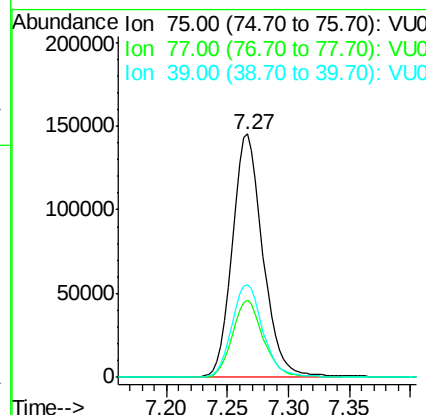
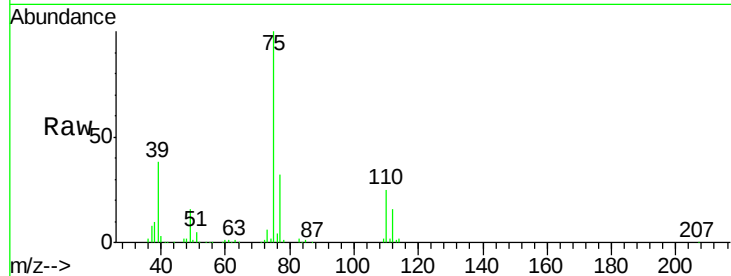


#51
 cis-1,3-Dichloropropene
 Concen: 10.571 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029851.D
 Acq: 07 Mar 2019 13:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

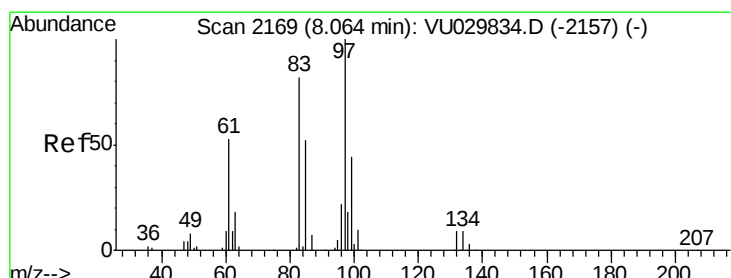
Tot Ion:	75	Resp:	254925
Ion Ratio	Lower	Upper	
75	100		
77	31.8	24.9	37.3
39	38.2	30.8	46.2

Manual Integrations
 APPROVED



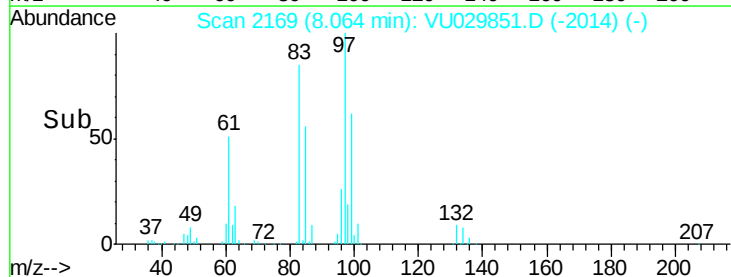
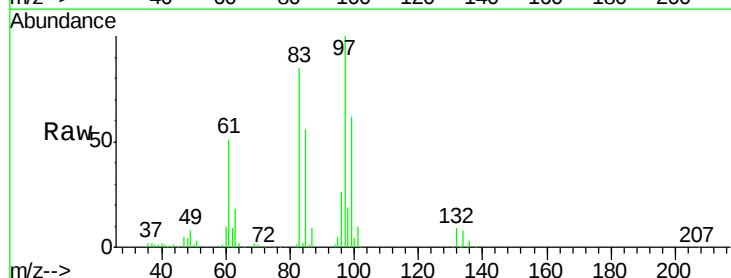
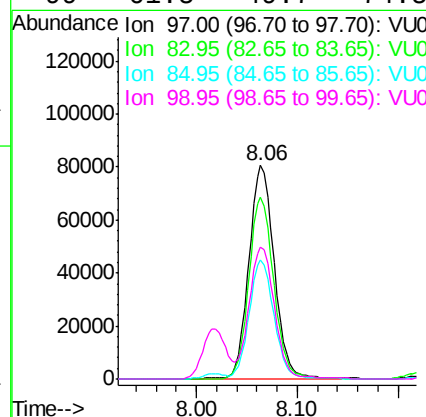
MMDadoda

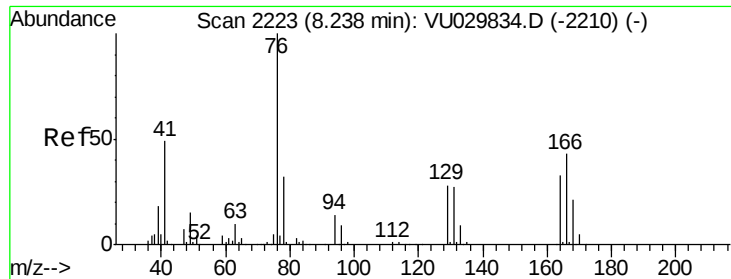
3/8/2019 11:48:03 AM



#52
 1,1,2-Trichloroethane
 Concen: 10.454 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU029851.D
 Acq: 07 Mar 2019 13:32

Tgt Ion:	97	Resp:	140060
Ion Ratio	Lower	Upper	
97	100		
83	84.9	65.9	98.9
85	55.6	43.0	64.6
99	61.5	49.7	74.5



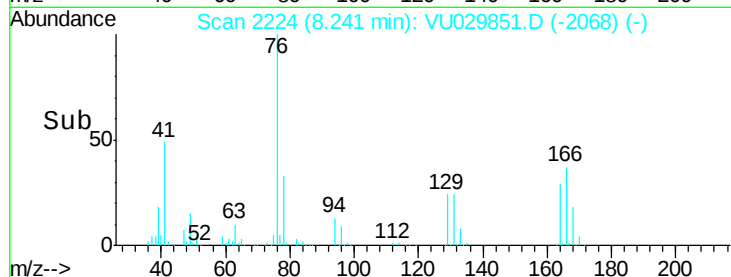
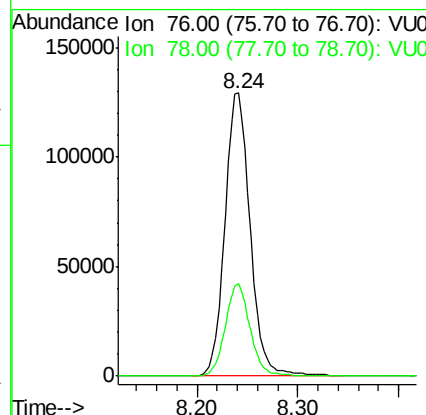
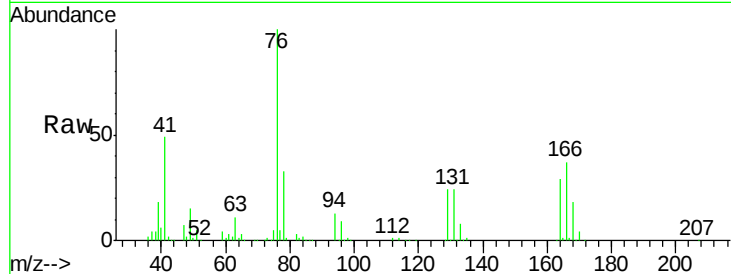


#53
 1,3-Dichloropropane
 Concen: 10.269 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU029851.D
 Acq: 07 Mar 2019 13:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

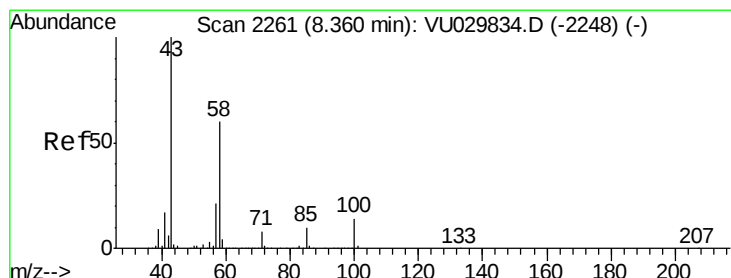
Tot Ion: 76 Resp: 225666
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5

Manual Integrations
 APPROVED



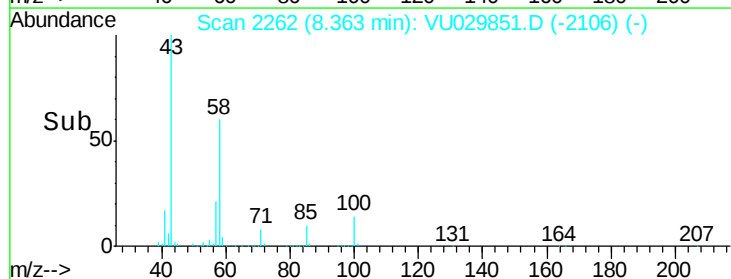
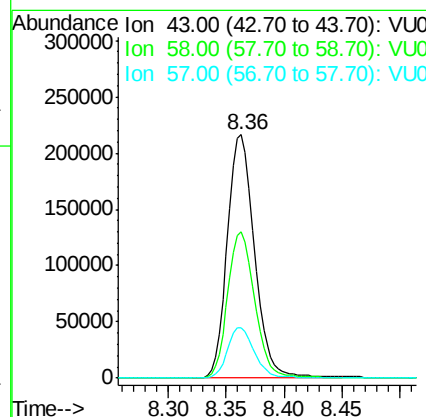
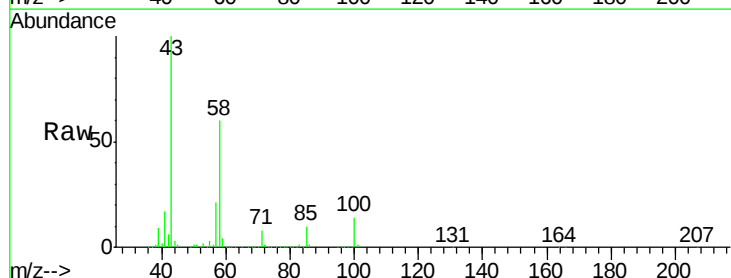
MMDadoda

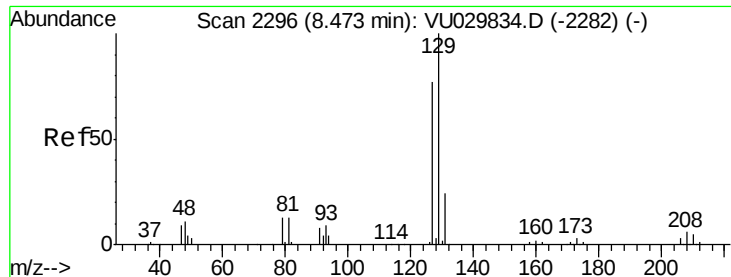
3/8/2019 11:48:03 AM



#54
 2-Hexanone
 Concen: 53.640 ug/l
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU029851.D
 Acq: 07 Mar 2019 13:32

Tgt Ion: 43 Resp: 351674
 Ion Ratio Lower Upper
 43 100
 58 60.2 39.6 79.6
 57 20.5 0.5 40.5





#55

Dibromochloromethane

Concen: 10.546 ug/l

RT: 8.47 min Scan# 2296

Delta R.T. -0.00 min

Lab File: VU029851.D

Acq: 07 Mar 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

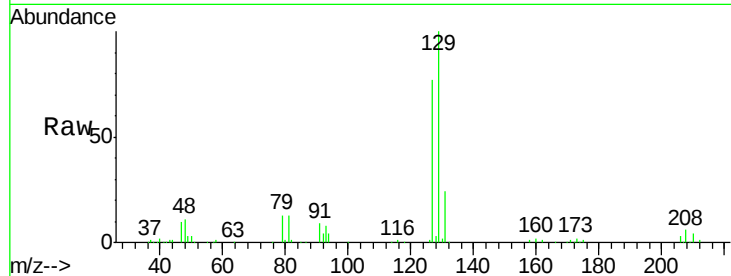
Tot Ion:129 Resp: 167686

Ion Ratio Lower Upper

129 100

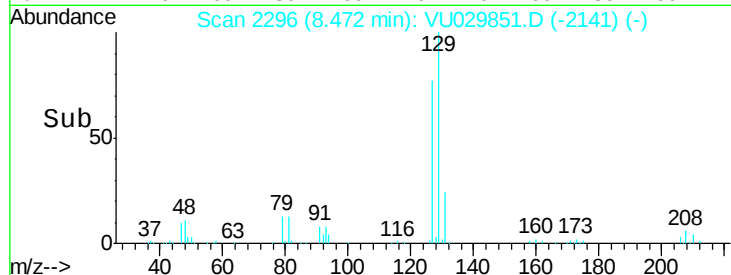
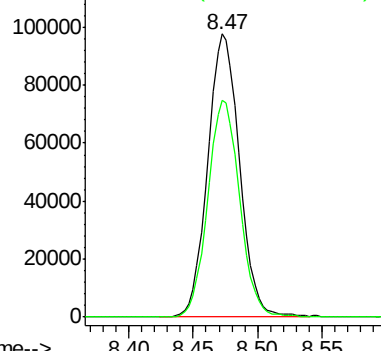
127 76.9 61.6 92.4

Manual Integrations
APPROVED



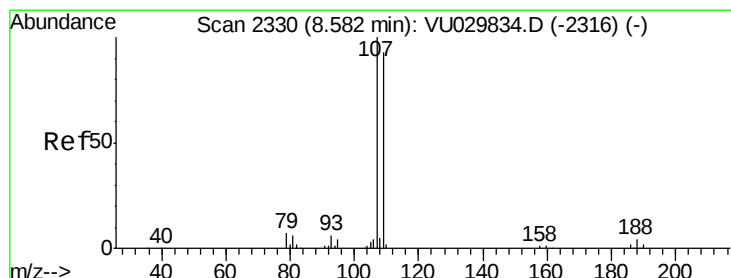
Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



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3/8/2019 11:48:03 AM



#56

1,2-Dibromoethane

Concen: 10.081 ug/l

RT: 8.58 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU029851.D

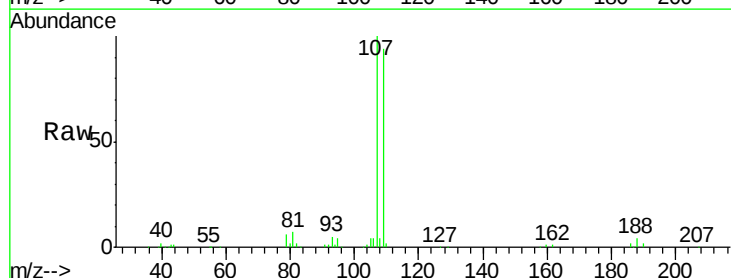
Acq: 07 Mar 2019 13:32

Tgt Ion:107 Resp: 128063

Ion Ratio Lower Upper

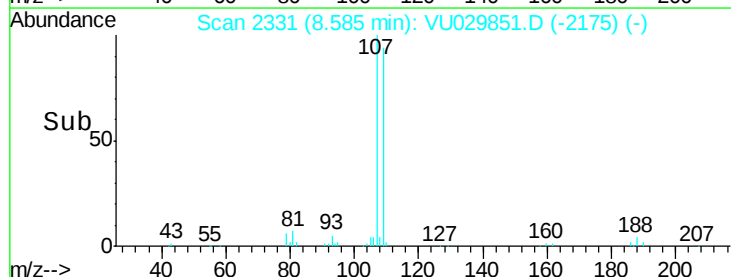
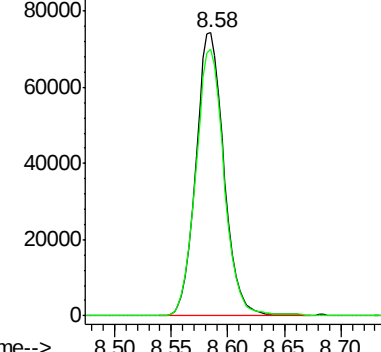
107 100

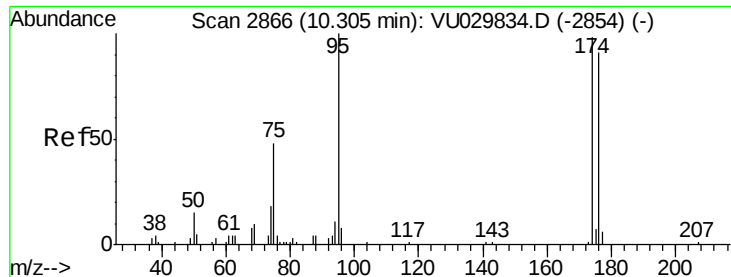
109 95.5 0.0 188.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



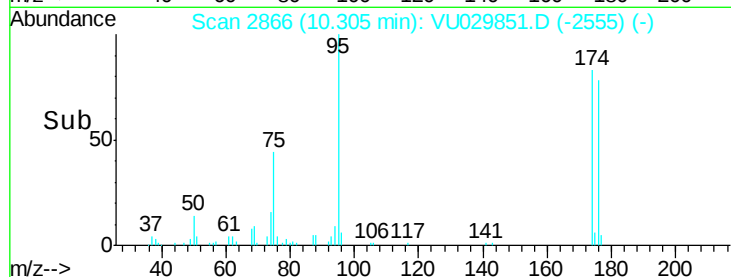
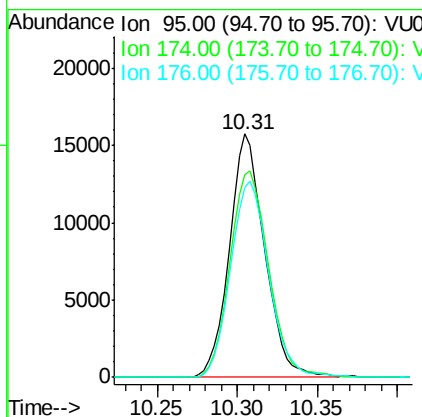
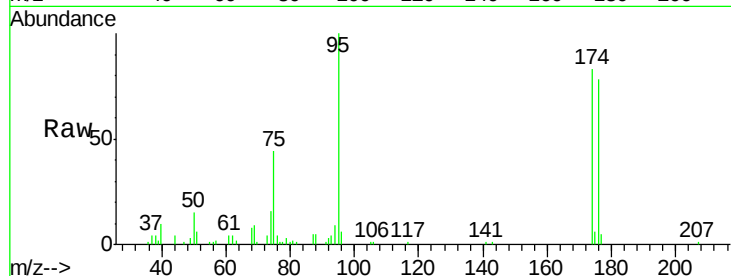


#57
4-Bromofluorobenzene
Concen: 10.081 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

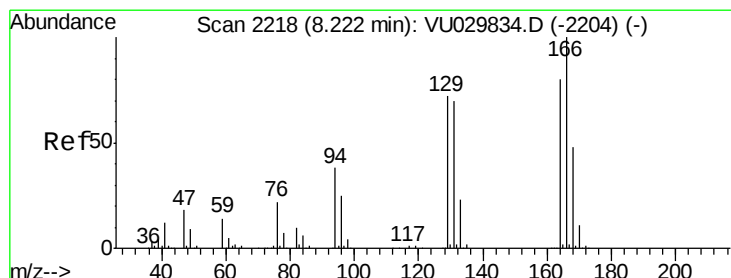
Tot Ion	Ratio	Lower	Upper
95	100		
174	92.6	76.5	114.7
176	87.3	74.2	111.2

Manual Integrations
APPROVED



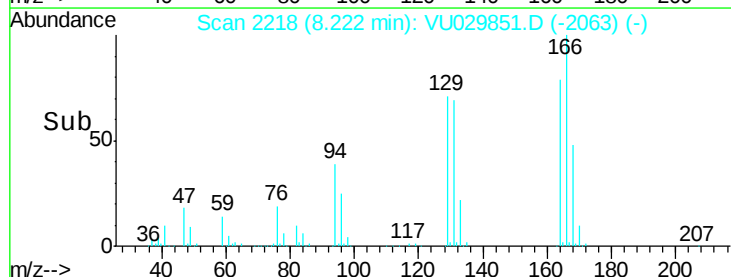
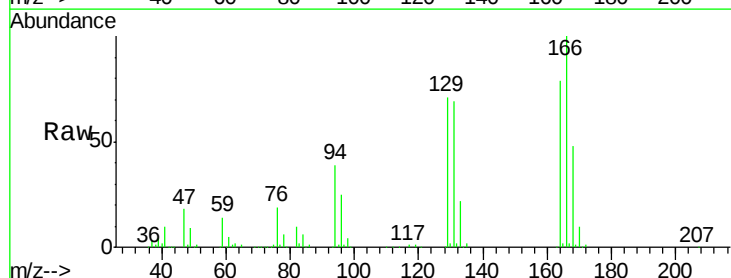
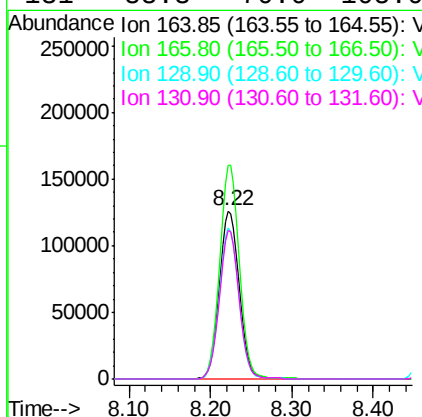
MMDadoda

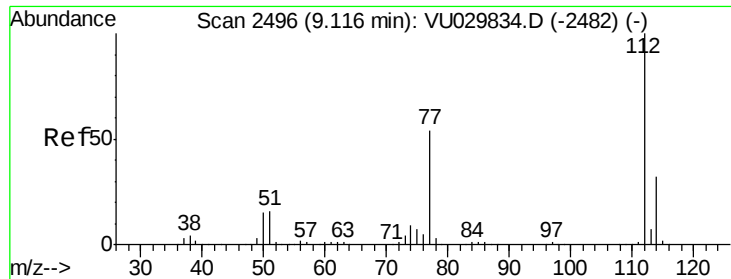
3/8/2019 11:48:03 AM



#58
Tetrachloroethene
Concen: 10.628 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	100.5	150.7
129	89.8	72.3	108.5
131	88.3	70.0	105.0



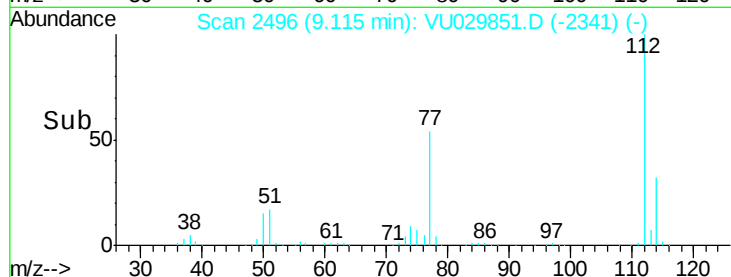
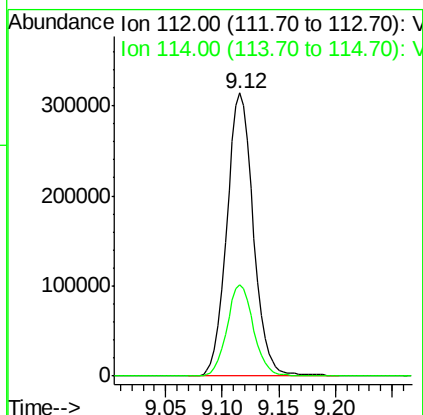
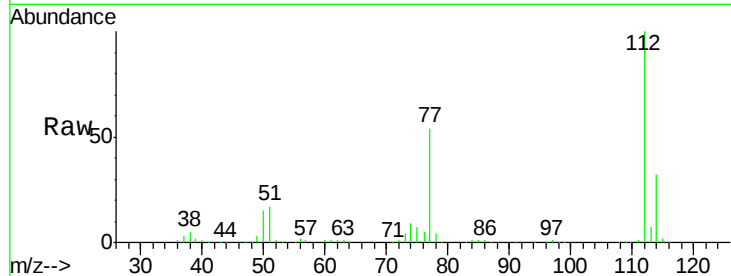


#59
Chlorobenzene
Concen: 10.538 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

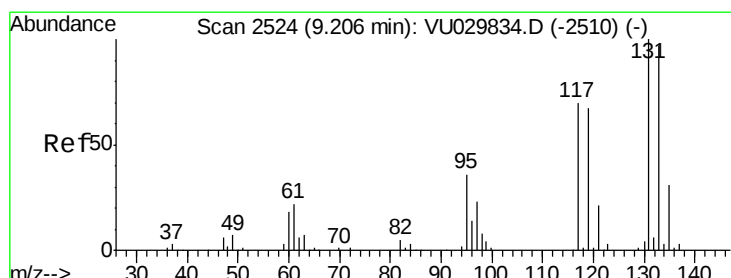
Tot Ion:112 Resp: 513133
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.2

Manual Integrations
APPROVED



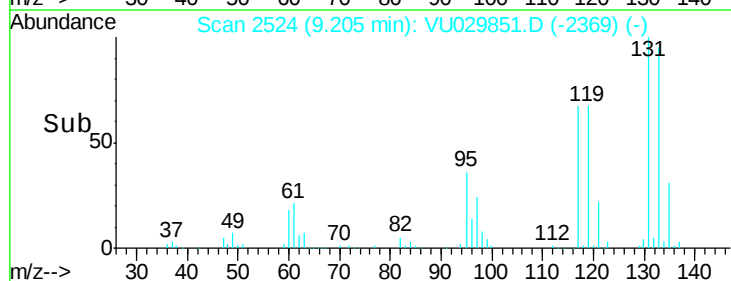
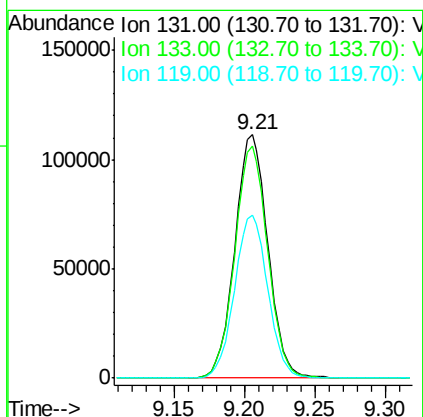
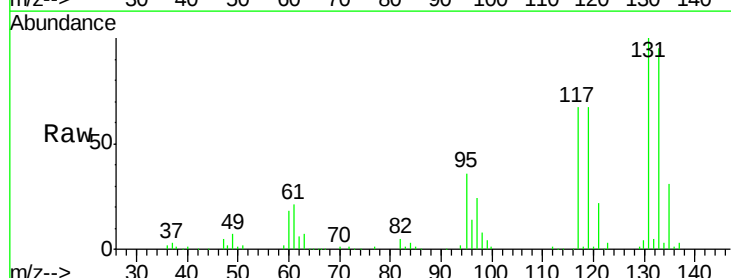
MMDadoda

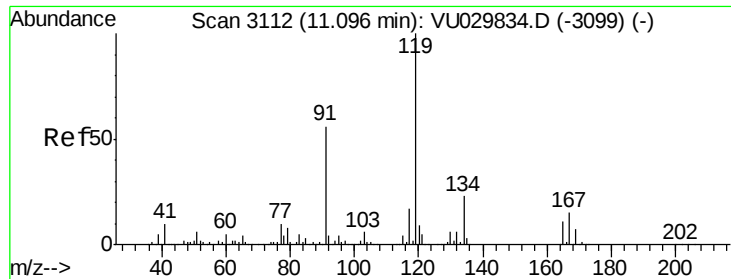
3/8/2019 11:48:03 AM



#60
1,1,1,2-Tetrachloroethane
Concen: 10.485 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tgt Ion:131 Resp: 183157
Ion Ratio Lower Upper
131 100
133 95.2 76.4 114.6
119 67.6 54.2 81.4



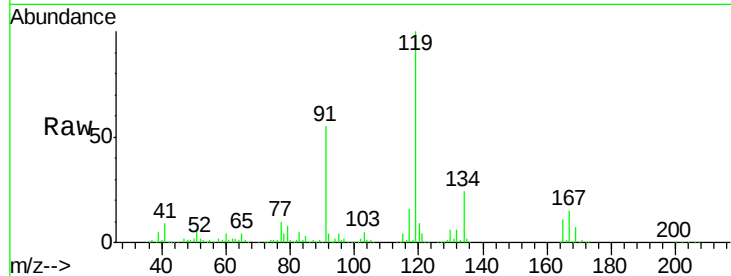


#61
 Pentachloroethane
 Concen: 10.227 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU029851.D
 Acq: 07 Mar 2019 13:32

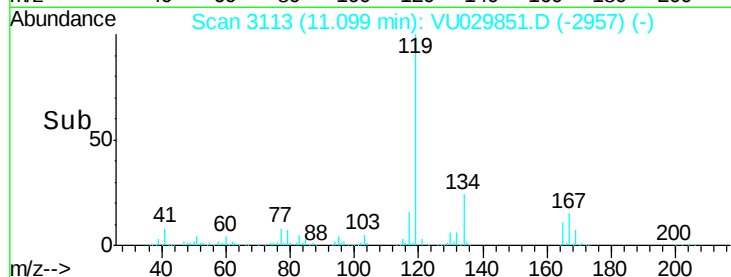
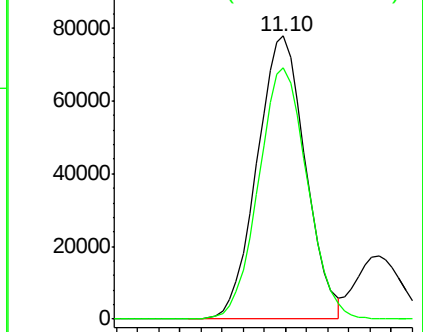
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:117 Resp: 124374
 Ion Ratio Lower Upper
 117 100
 167 89.4 71.4 107.2

Manual Integrations
 APPROVED

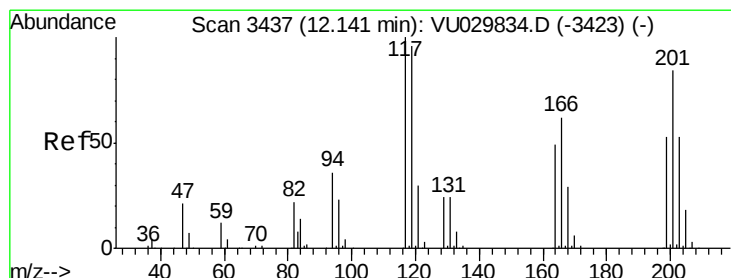


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 166.70 (166.40 to 167.40): V



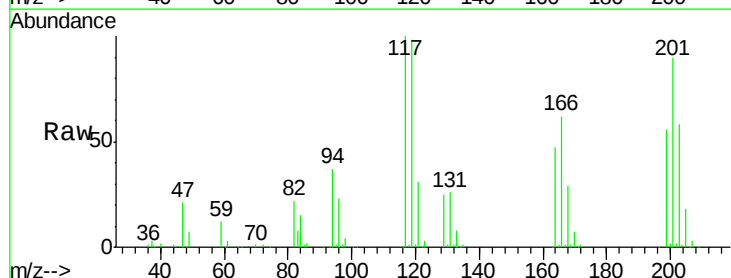
MMDadoda

3/8/2019 11:48:03 AM

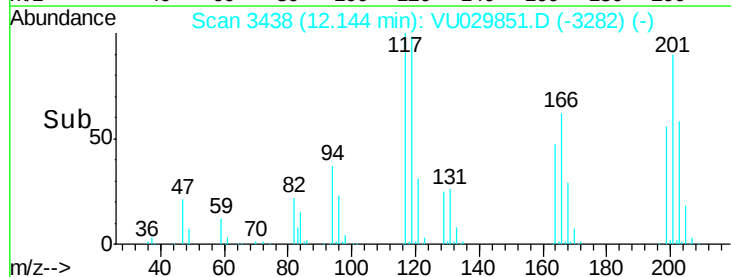
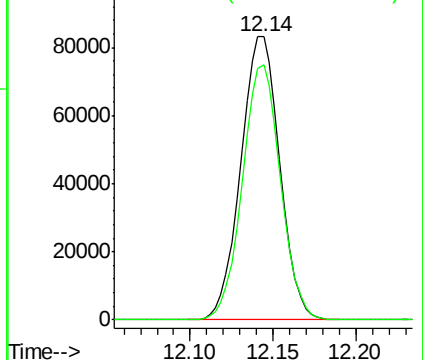


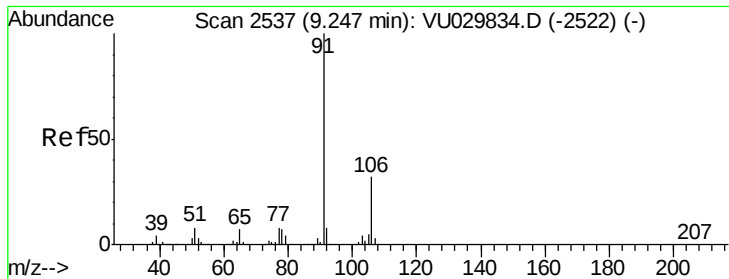
#62
 Hexachloroethane
 Concen: 10.630 ug/l
 RT: 12.14 min Scan# 3438
 Delta R.T. 0.00 min
 Lab File: VU029851.D
 Acq: 07 Mar 2019 13:32

Tgt Ion:117 Resp: 136002
 Ion Ratio Lower Upper
 117 100
 201 88.2 68.2 102.2



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 200.60 (200.30 to 201.30): V



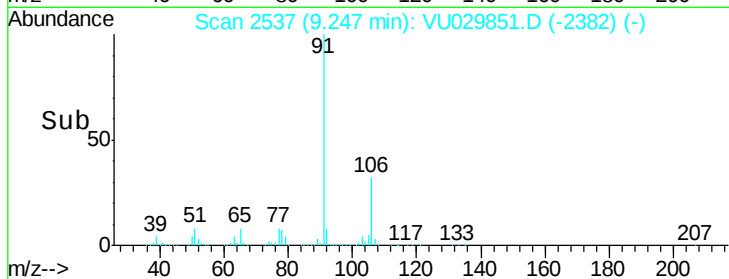
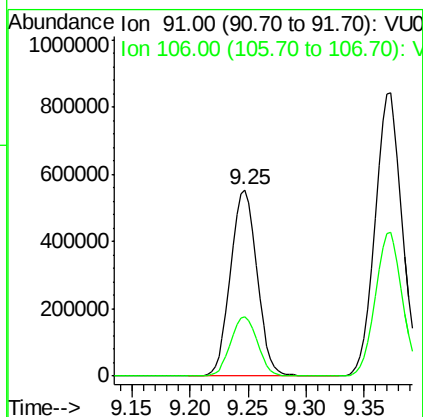
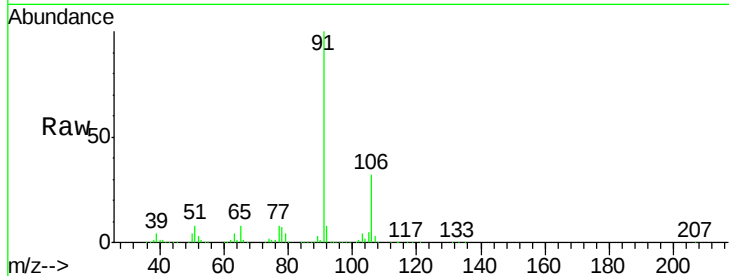


#63
Ethyl Benzene
Concen: 11.001 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

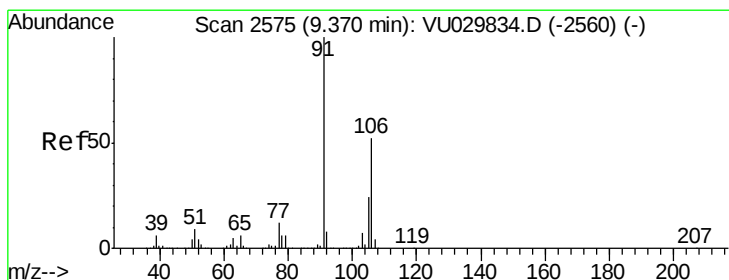
Tot Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.7	38.5

Manual Integrations
APPROVED



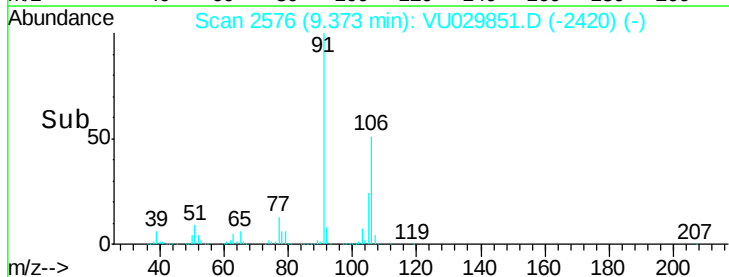
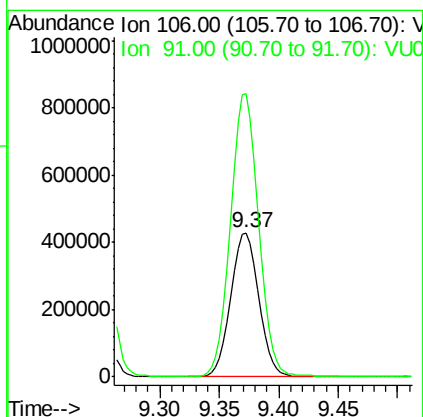
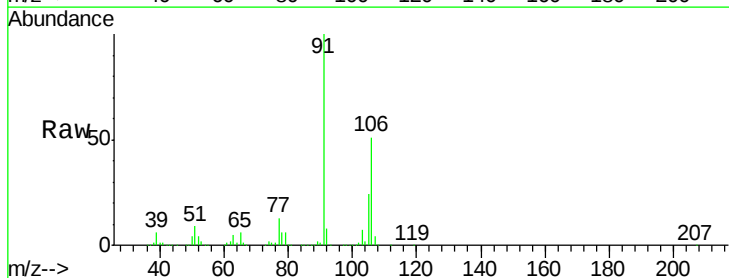
MMDadoda

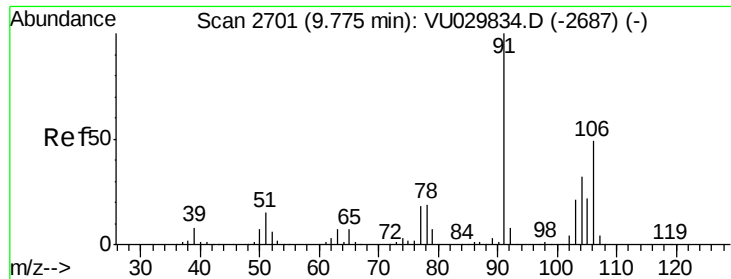
3/8/2019 11:48:03 AM



#64
m/p-Xylenes
Concen: 22.206 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
106	100		
91	196.2	155.3	232.9



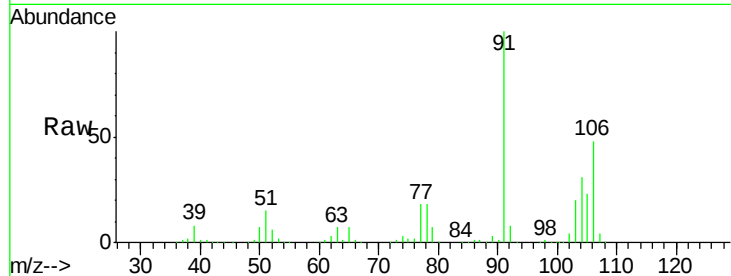


#65
o-Xylene
Concen: 11.143 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

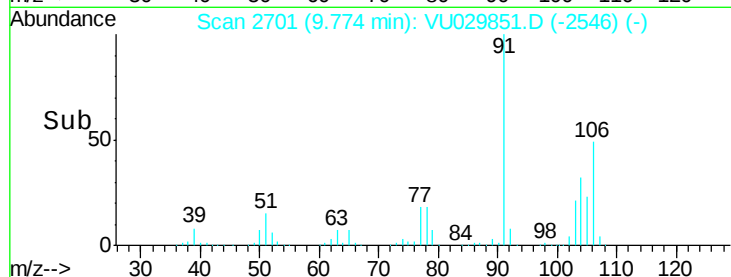
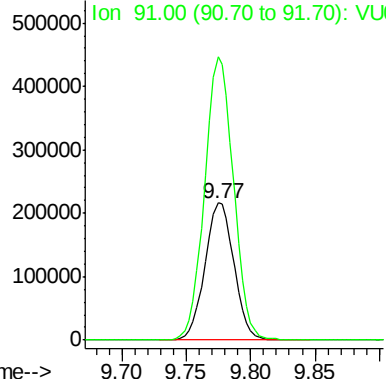
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:106 Resp: 337476
Ion Ratio Lower Upper
106 100
91 205.9 102.8 308.3

Manual Integrations
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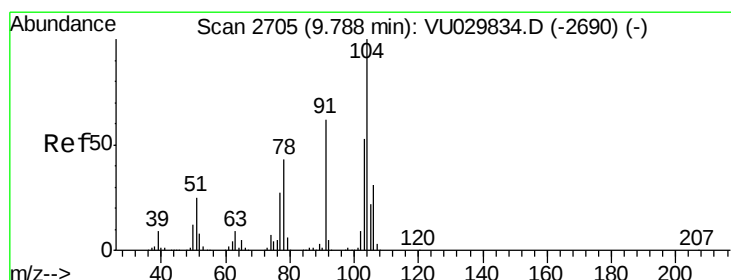


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



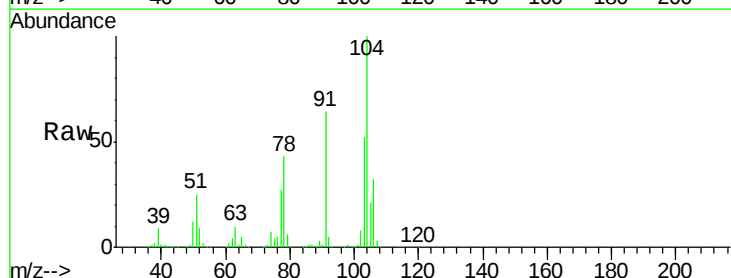
MMDadoda

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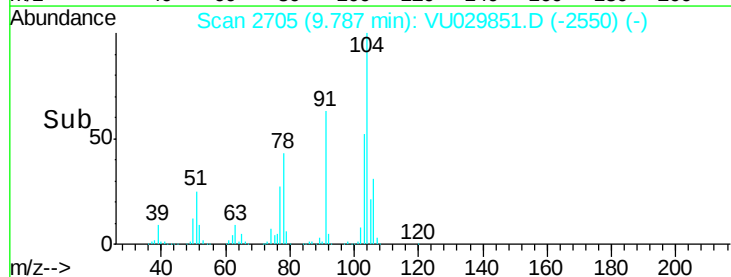
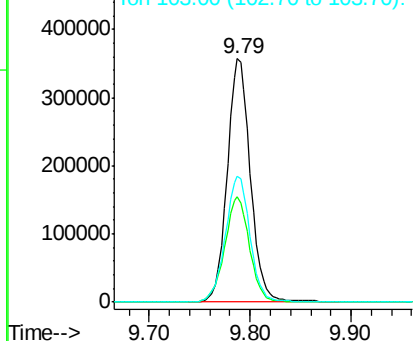


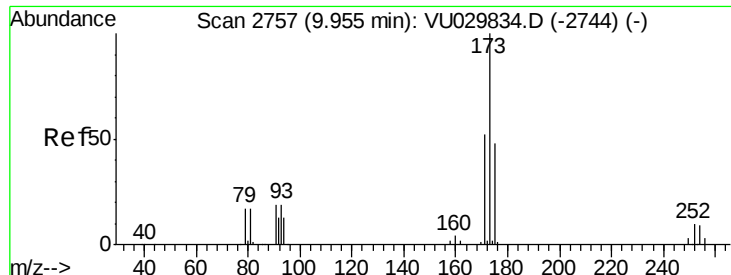
#66
Styrene
Concen: 11.374 ug/l
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tgt Ion:104 Resp: 572296
Ion Ratio Lower Upper
104 100
78 46.2 37.2 55.8
103 55.2 44.7 67.1



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



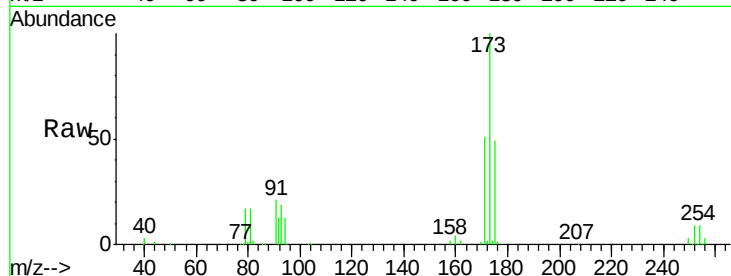


#67
Bromoform
Concen: 10.733 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

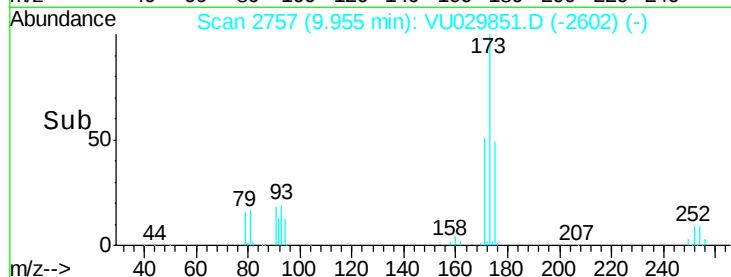
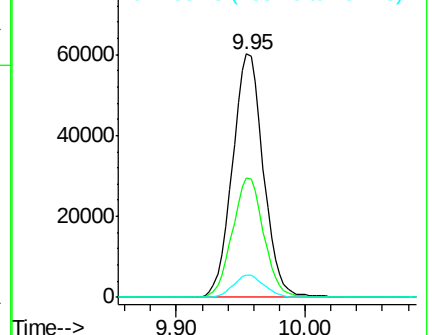
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	38.6	57.8
254	9.0	7.4	11.2

Manual Integrations
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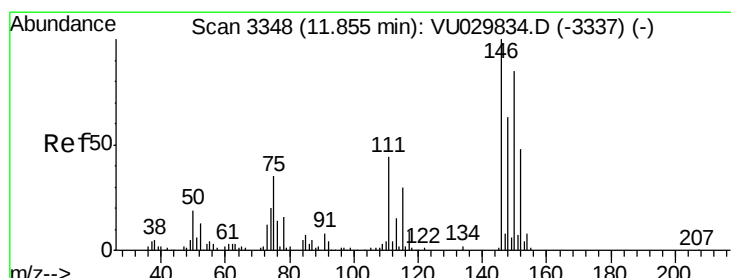


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



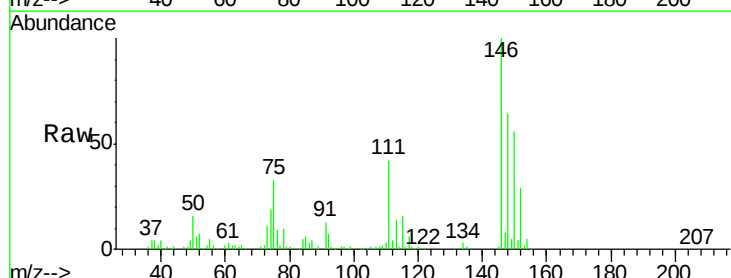
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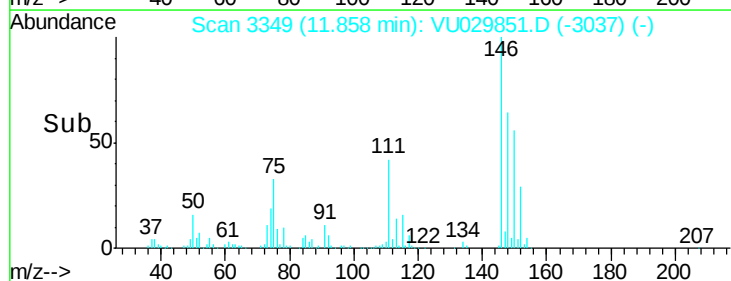
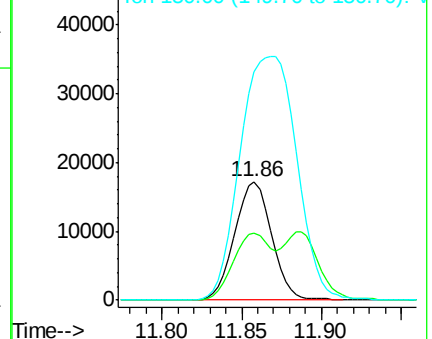


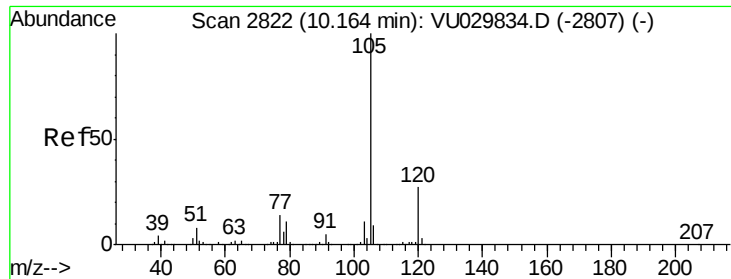
#68
1,2-Dichlorobenzene-d4
Concen: 10.733 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	0.0	124.0
150	317.3	0.0	631.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 11.107 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029851.D

Acq: 07 Mar 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

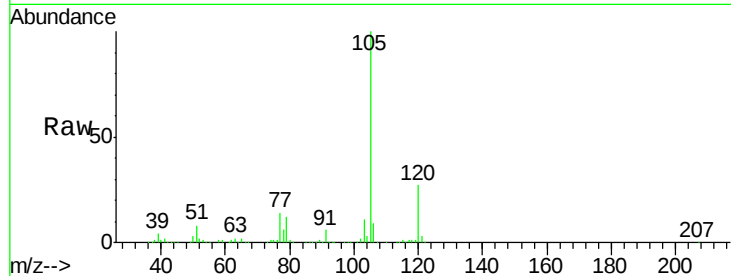
Tot Ion:105 Resp: 892036

Ion Ratio Lower Upper

105 100

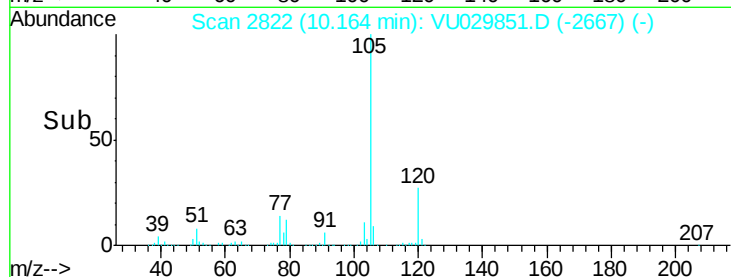
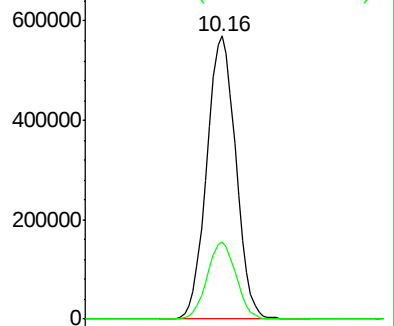
120 27.2 13.5 40.5

Manual Integrations
APPROVED



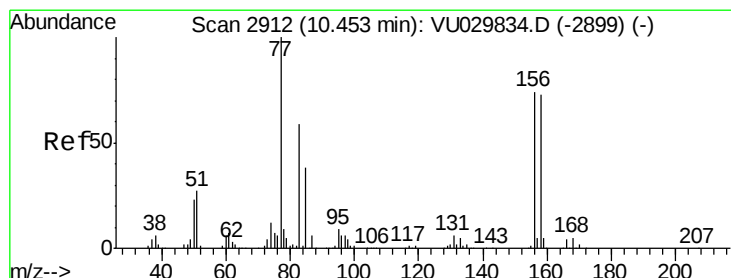
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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3/8/2019 11:48:03 AM



#70

1,1,2,2-Tetrachloroethane

Concen: 10.444 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029851.D

Acq: 07 Mar 2019 13:32

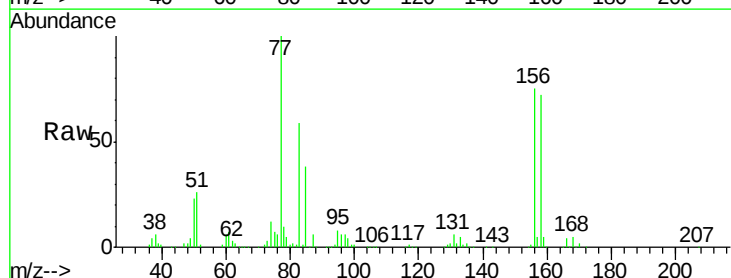
Tgt Ion: 83 Resp: 170646

Ion Ratio Lower Upper

83 100

131 10.0 8.3 12.5

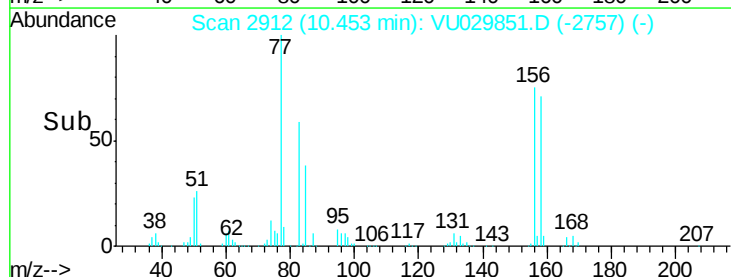
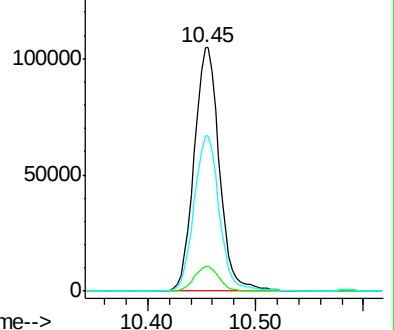
85 64.2 52.5 78.7

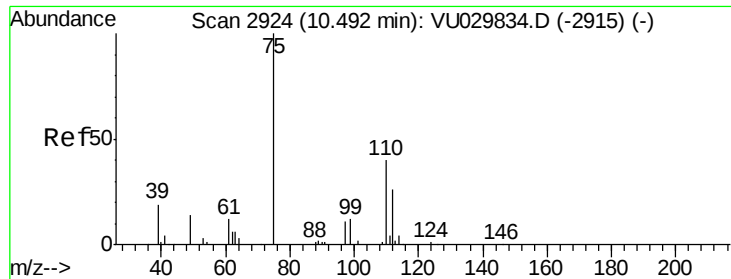


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0



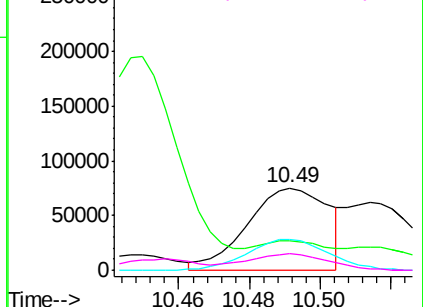
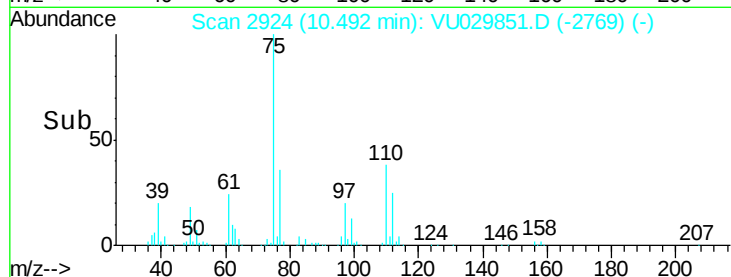
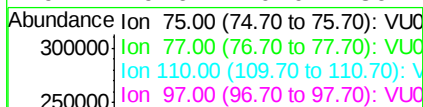
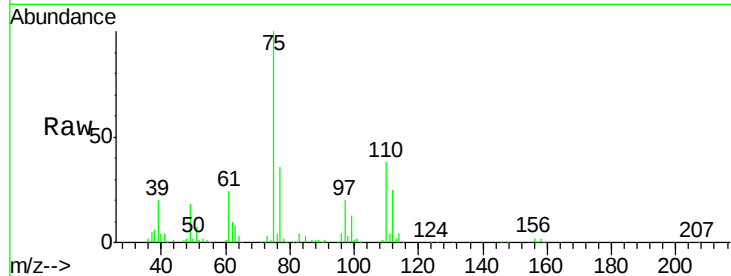


#71
1,2,3-Trichloropropane
Concen: 9.905 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

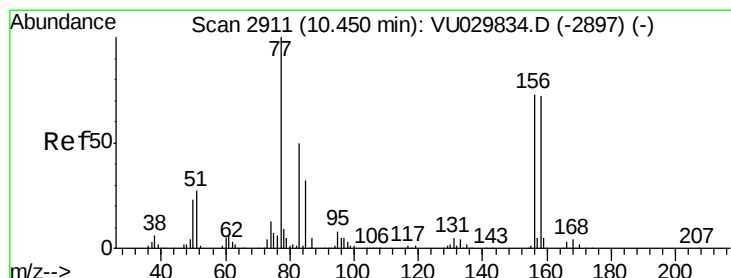
Tot Ion	Ion	Ratio	Resp	Lower	Upper
75	75	100	120278		
77	77	9.6		0.0	16.4
110	110	37.9		0.0	74.8
97	97	19.6		0.0	39.4

Manual Integrations
APPROVED



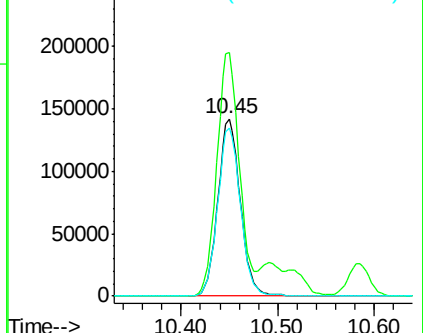
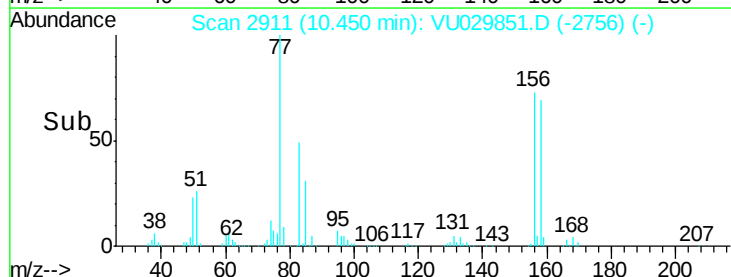
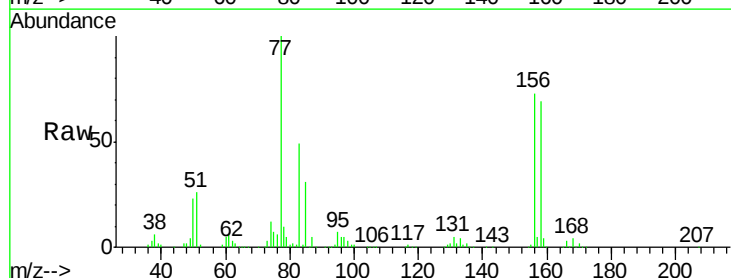
MMDadoda

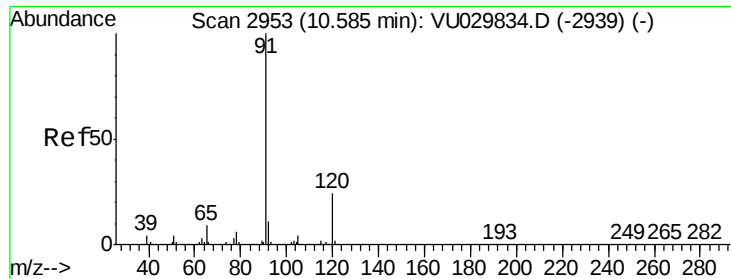
3/8/2019 11:48:03 AM



#72
Bromobenzene
Concen: 10.795 ug/l
RT: 10.45 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
156	156	100	229482		
77	77	138.5		0.0	282.2
158	158	95.8		0.0	196.2





#73

n-propylbenzene

Concen: 11.394 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU029851.D

Acq: 07 Mar 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

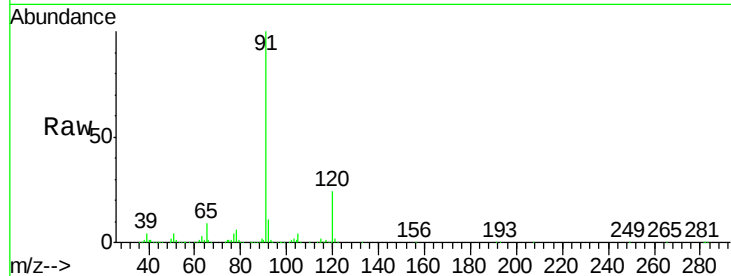
Tot Ion:120 Resp: 257245

Ion Ratio Lower Upper

120 100

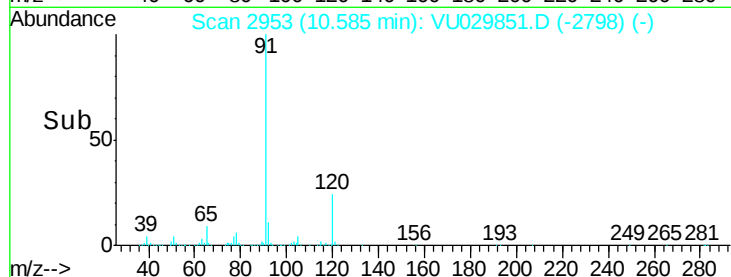
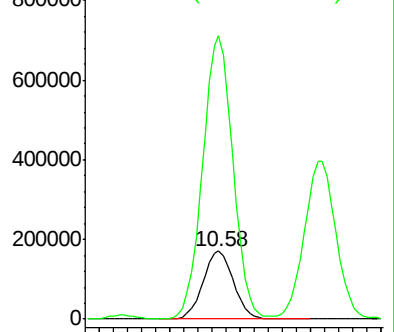
91 415.3 333.4 500.2

Manual Integrations
APPROVED



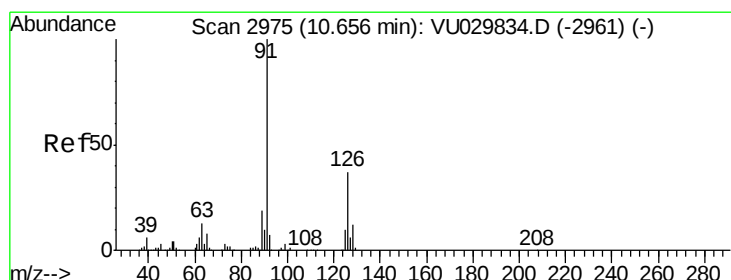
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



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3/8/2019 11:48:03 AM



#74

2-Chlorotoluene

Concen: 10.845 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029851.D

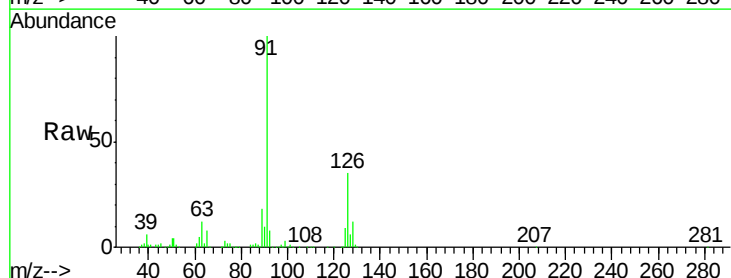
Acq: 07 Mar 2019 13:32

Tgt Ion:126 Resp: 217188

Ion Ratio Lower Upper

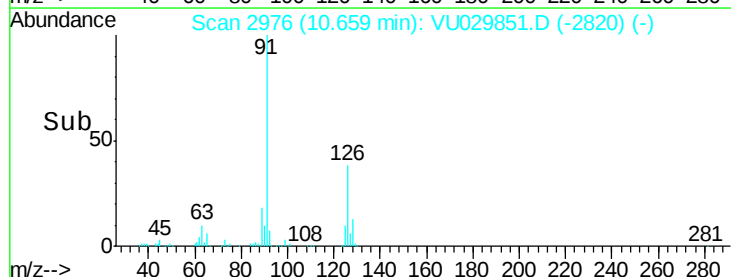
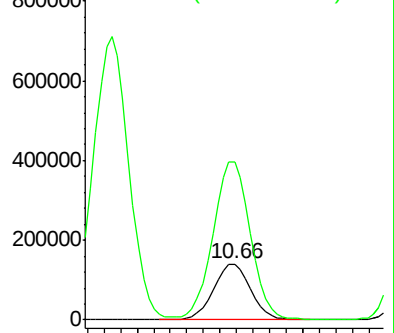
126 100

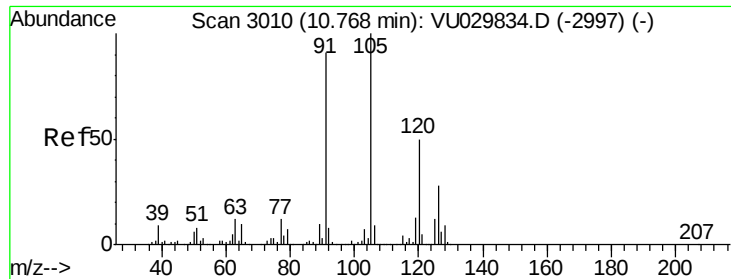
91 284.2 0.0 569.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 11.266 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029851.D

Acq: 07 Mar 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

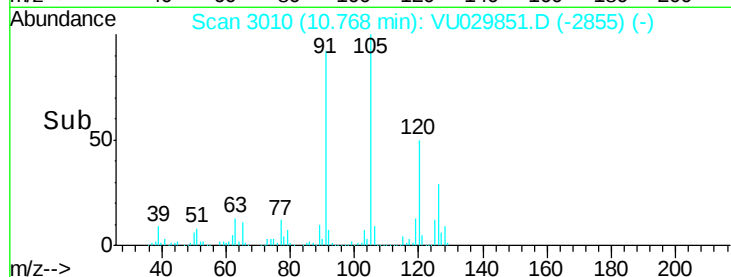
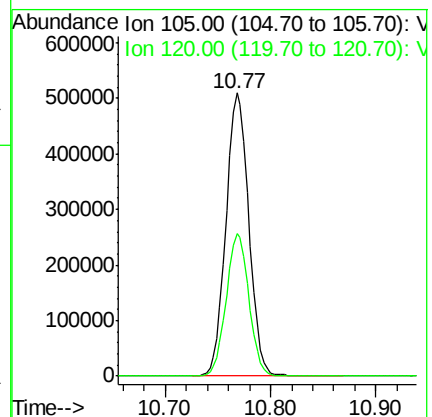
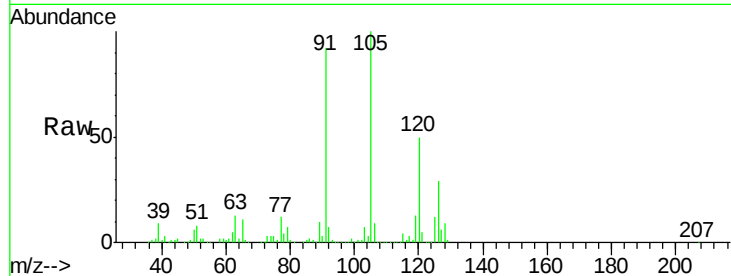
Tot Ion:105 Resp: 762212

Ion Ratio Lower Upper

105 100

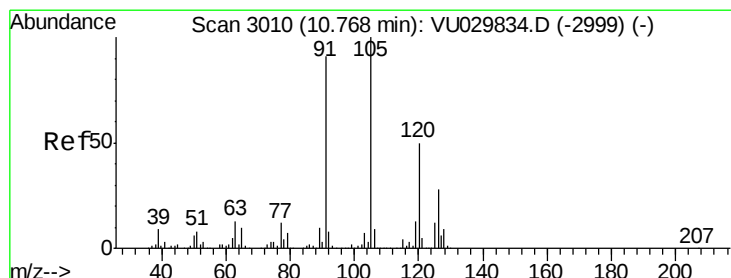
120 50.2 40.0 60.0

Manual Integrations
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#76

4-Chlorotoluene

Concen: 10.895 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029851.D

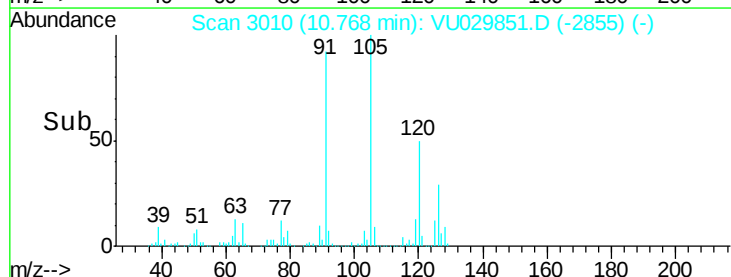
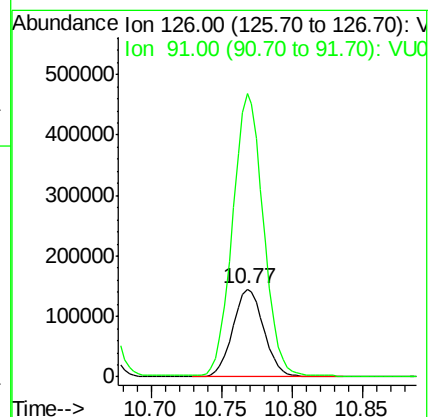
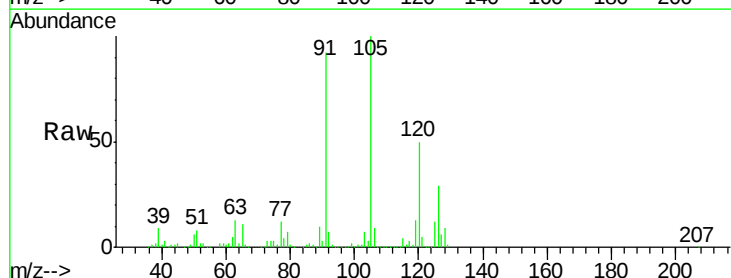
Acq: 07 Mar 2019 13:32

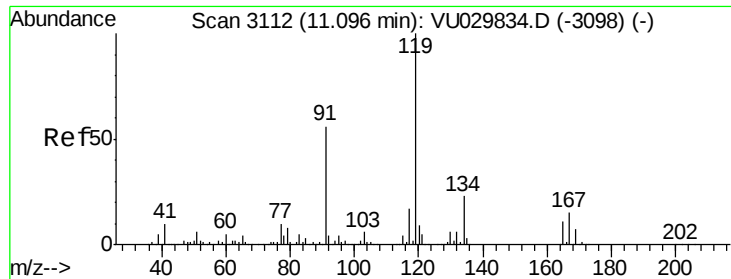
Tgt Ion:126 Resp: 222506

Ion Ratio Lower Upper

126 100

91 323.7 0.0 634.8



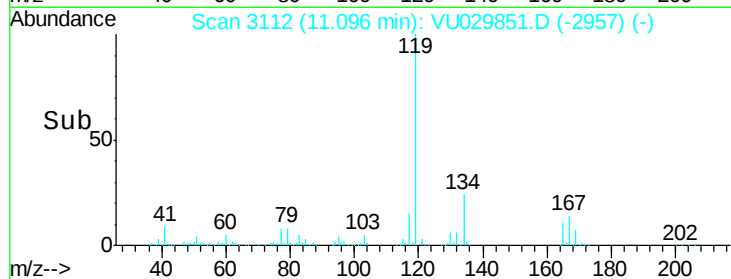
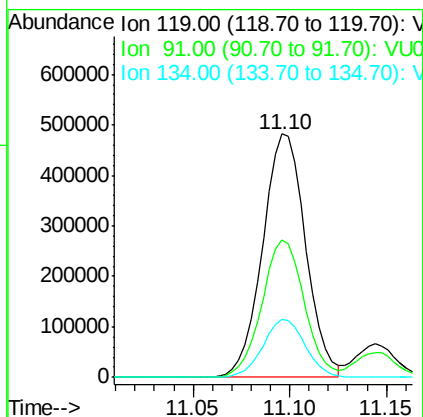
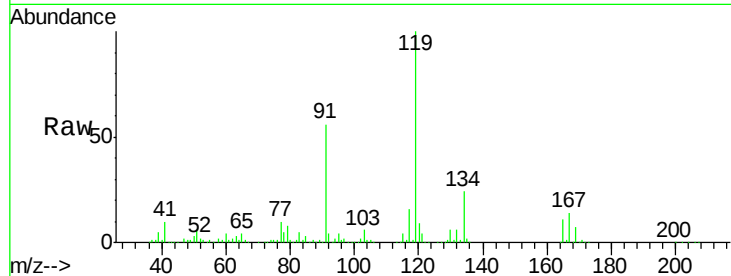


#77
 tert-Butylbenzene
 Concen: 11.152 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: VU029851.D
 Acq: 07 Mar 2019 13:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

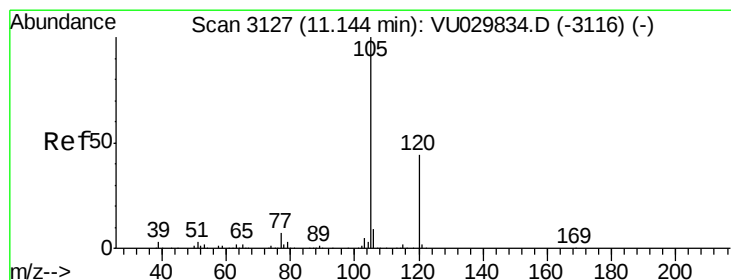
Tot Ion	Ratio	Lower	Upper
119	100		
91	55.7	27.7	83.1
134	23.5	18.7	28.1

Manual Integrations
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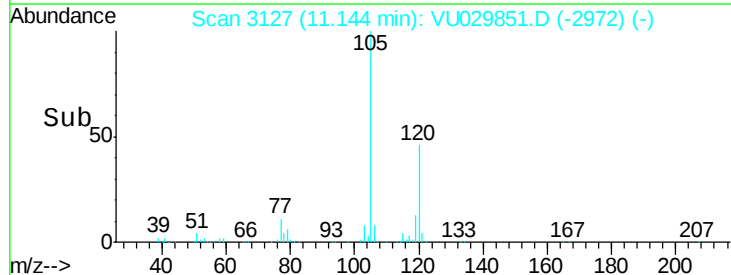
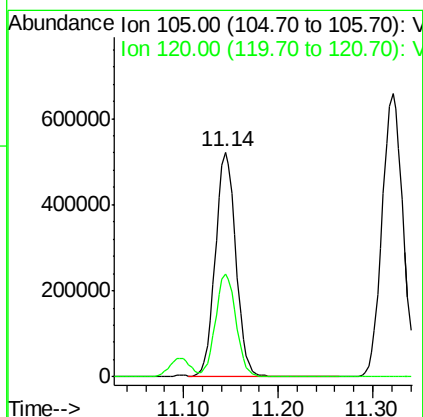
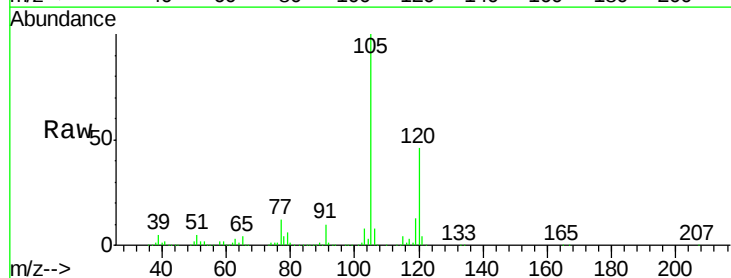
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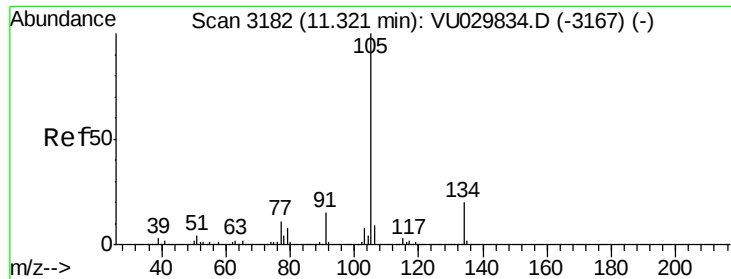
3/8/2019 11:48:03 AM



#78
 1,2,4-Trimethylbenzene
 Concen: 11.471 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. -0.00 min
 Lab File: VU029851.D
 Acq: 07 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.5	70.5





#79

sec-Butylbenzene

Concen: 11.367 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU029851.D

Acq: 07 Mar 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

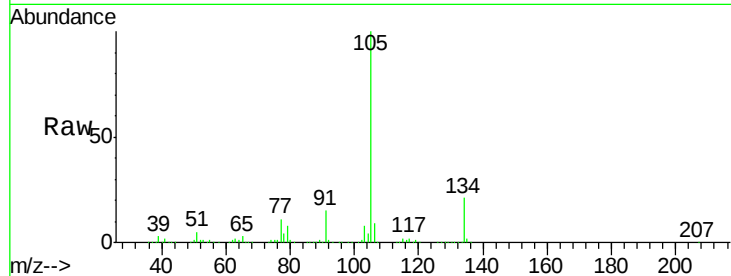
Tot Ion:105 Resp: 1008405

Ion Ratio Lower Upper

105 100

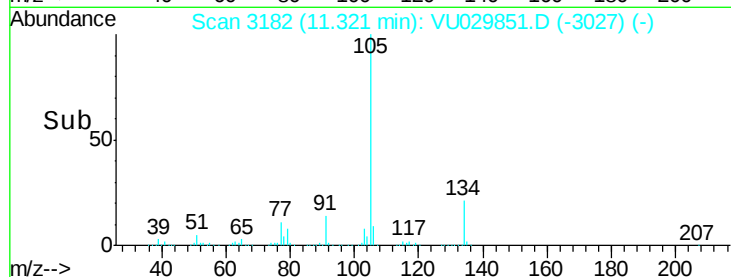
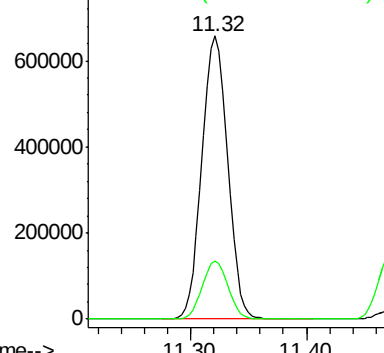
134 20.5 16.3 24.5

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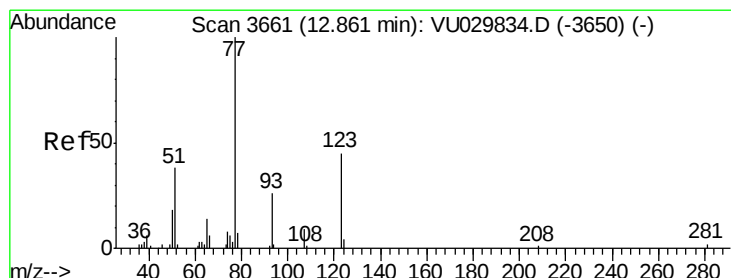
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



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#80

Nitrobenzene

Concen: 56.332 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. -0.00 min

Lab File: VU029851.D

Acq: 07 Mar 2019 13:32

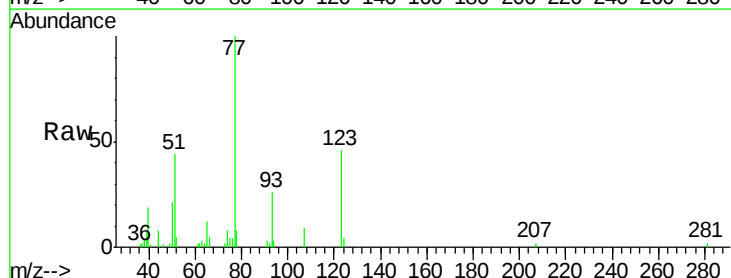
Tgt Ion: 77 Resp: 16709

Ion Ratio Lower Upper

77 100

123 47.4 20.2 71.4

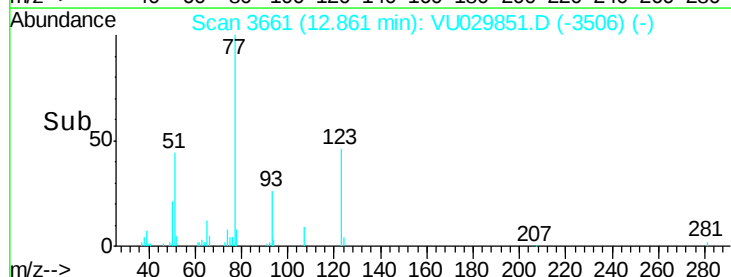
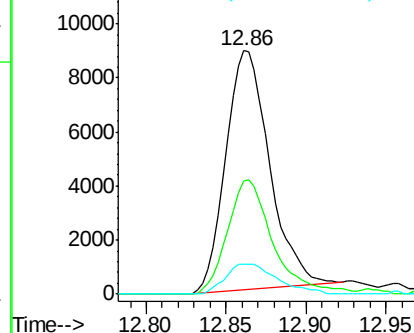
65 14.9 14.0 17.8

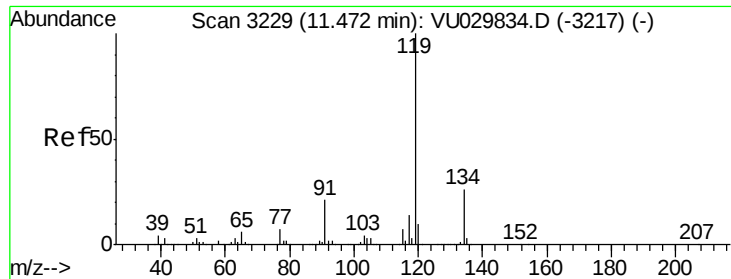


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0



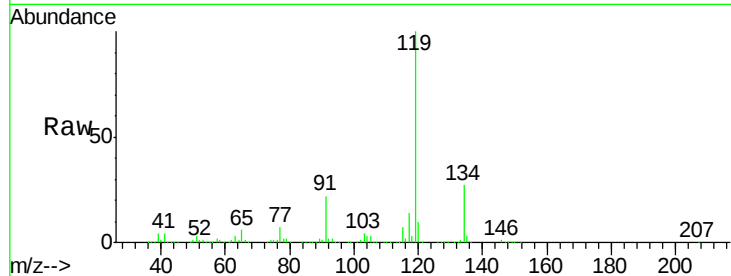


#81
p-Isopropyltoluene
Concen: 11.446 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	21.2	31.8
91	21.6	17.2	25.8

Manual Integrations
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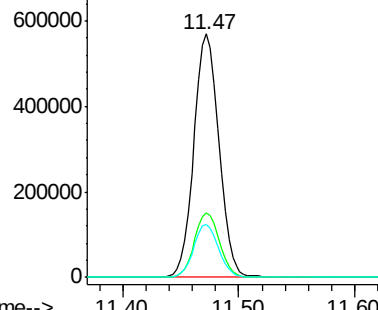


Abundance

Ion 119.00 (118.70 to 119.70): V

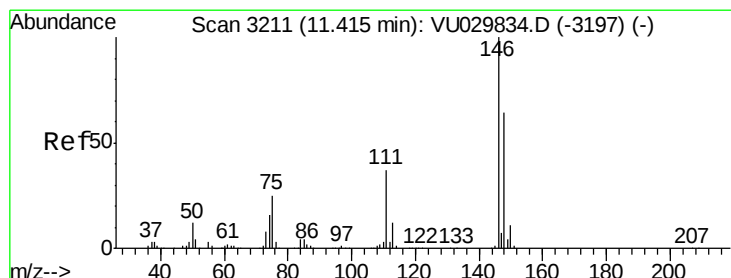
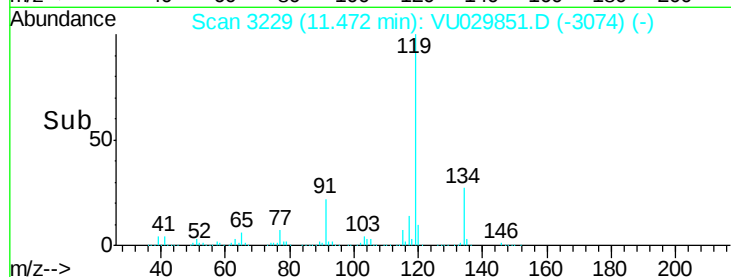
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



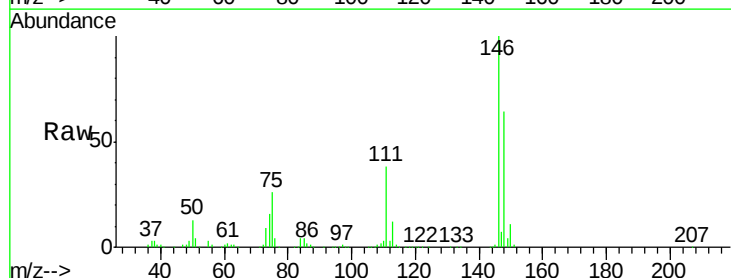
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3/8/2019 11:48:03 AM



#82
1,3-Dichlorobenzene
Concen: 10.699 ug/l
RT: 11.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	30.2	45.4
148	64.4	51.2	76.8

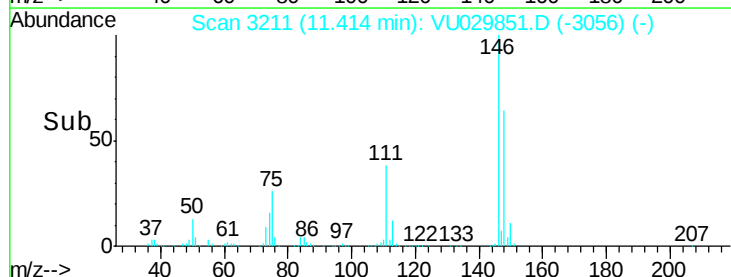
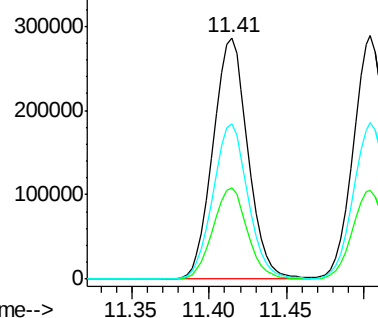


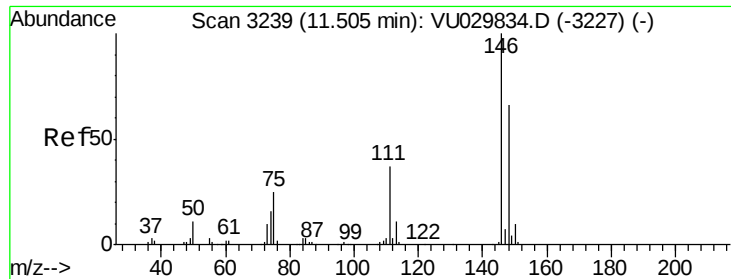
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



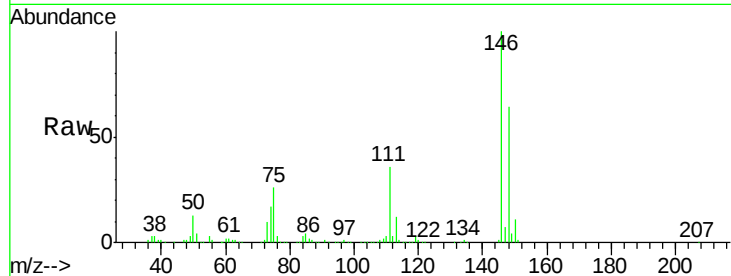


#83
1,4-Dichlorobenzene
Concen: 10.874 ug/l
RT: 11.50 min Scan# 3239
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	29.4	44.2
148	64.7	51.7	77.5

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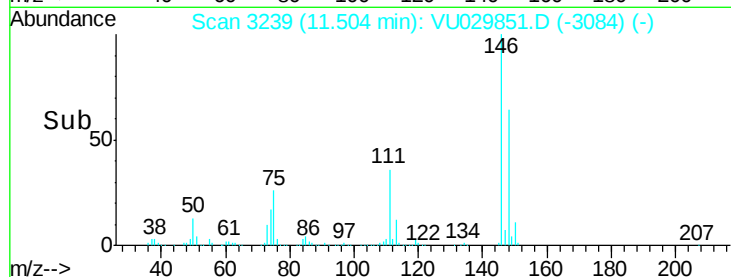
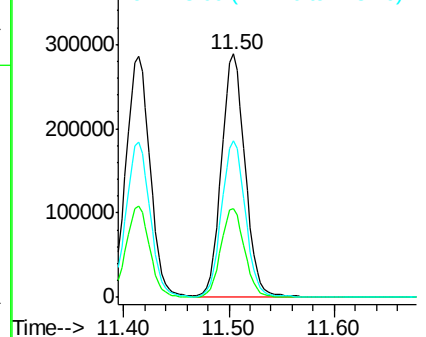


Abundance

Ion 146.00 (145.70 to 146.70): V

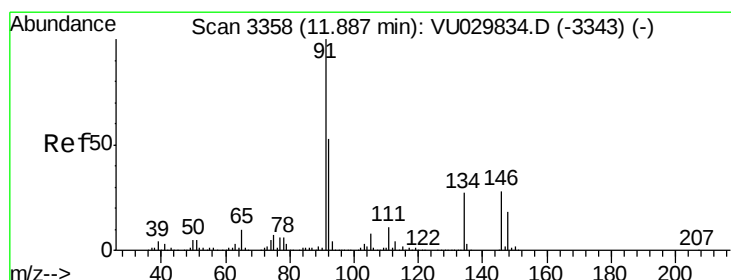
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



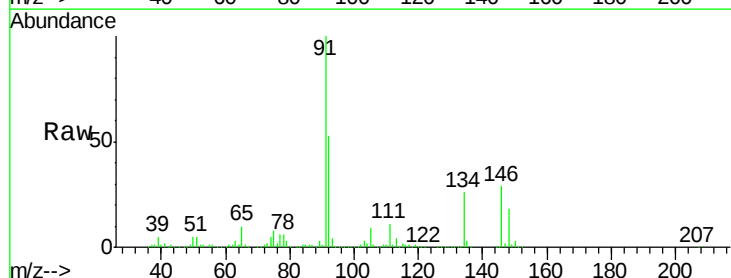
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#84
n-Butylbenzene
Concen: 11.482 ug/l
RT: 11.89 min Scan# 3358
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.2	42.6	63.8
134	26.6	21.7	32.5

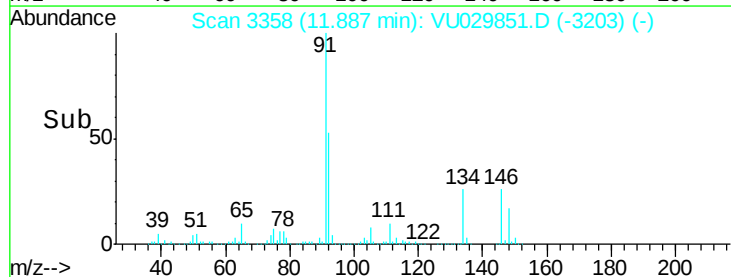
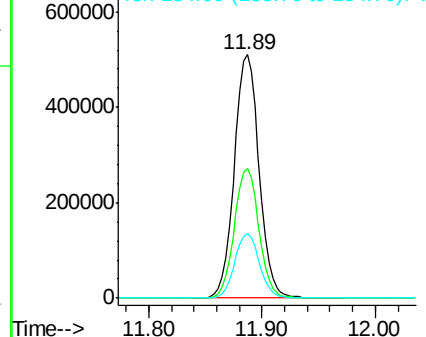


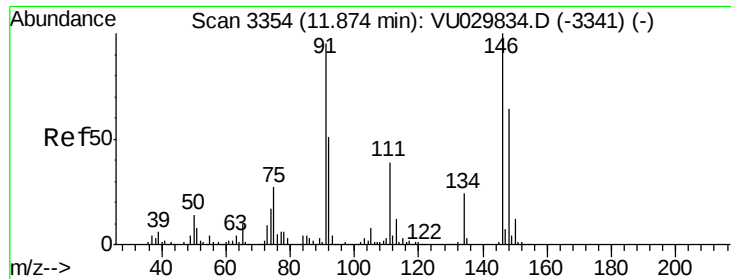
Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#85

1,2-Dichlorobenzene

Concen: 10.533 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU029851.D

Acq: 07 Mar 2019 13:32

Instrument :

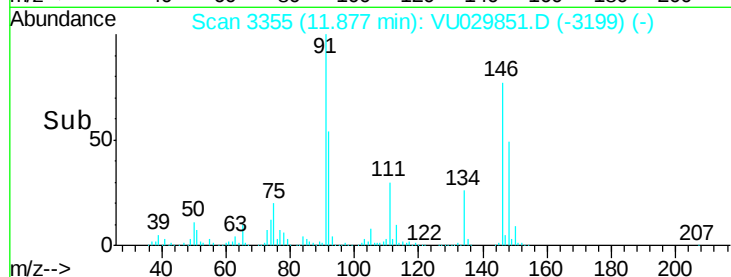
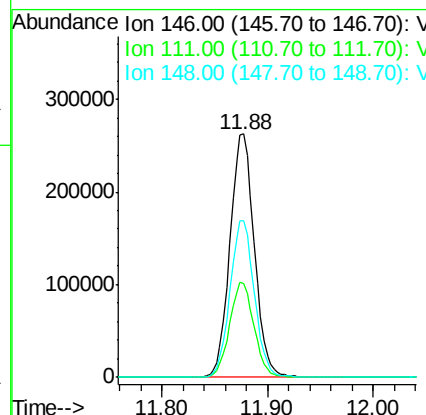
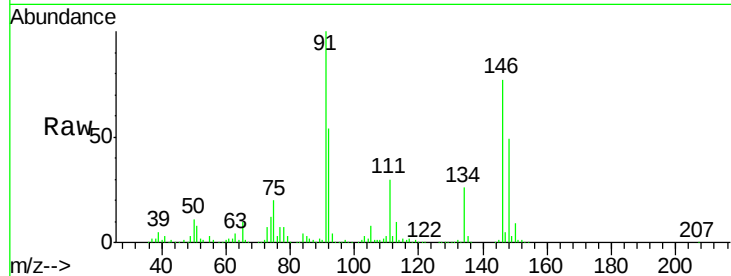
MSVOA_U

ClientSampleId :

VSTDCCC010EC

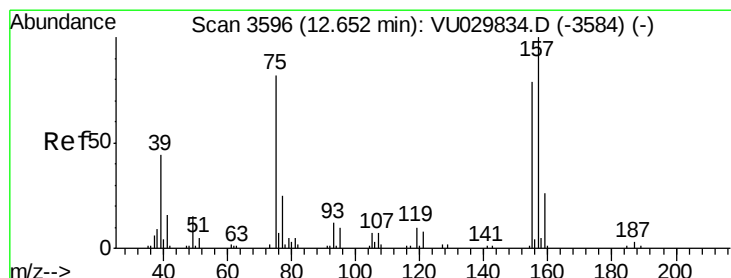
Tot Ion:	146	Resp:	418141
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.9	59.6
148	64.3	32.1	96.3

Manual Integrations
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#86

1,2-Dibromo-3-Chloropropane

Concen: 10.991 ug/l

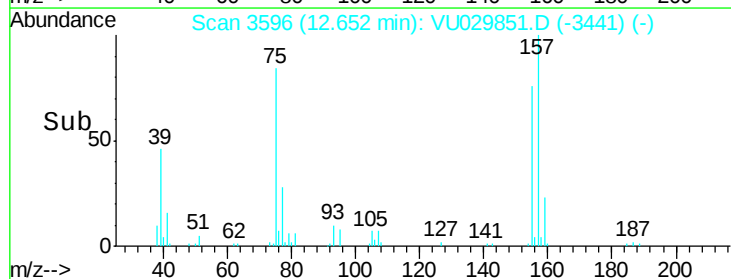
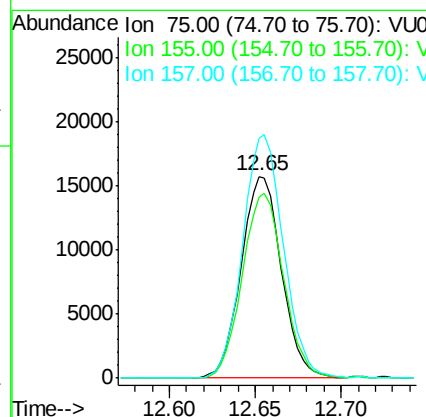
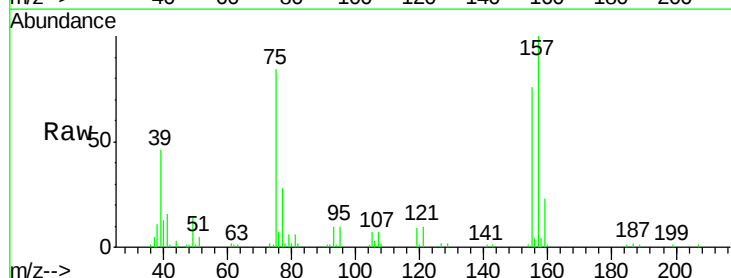
RT: 12.65 min Scan# 3596

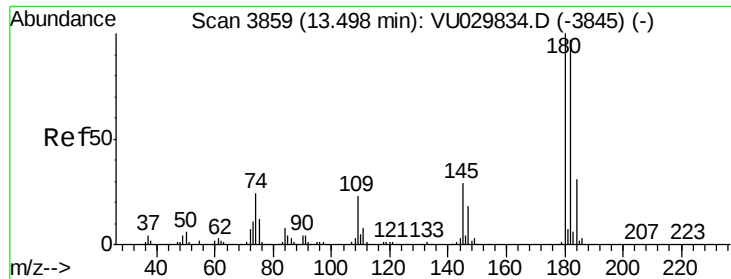
Delta R.T. -0.00 min

Lab File: VU029851.D

Acq: 07 Mar 2019 13:32

Tgt Ion:	75	Resp:	25640
Ion Ratio	Lower	Upper	
75	100		
155	93.4	76.6	114.8
157	121.6	96.2	144.2



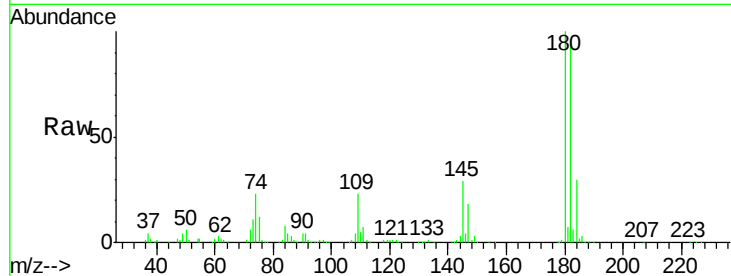


#87
 1,2,4-Trichlorobenzene
 Concen: 11.408 ug/l
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU029851.D
 Acq: 07 Mar 2019 13:32

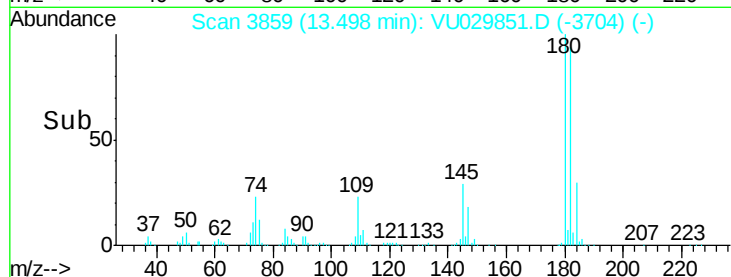
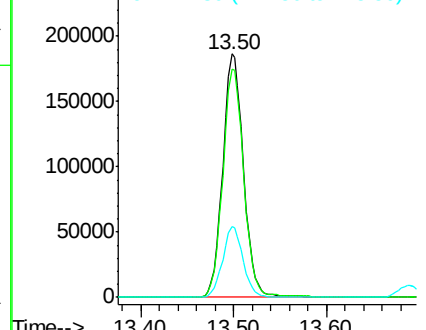
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.5	116.3
145	28.7	23.6	35.4

Manual Integrations
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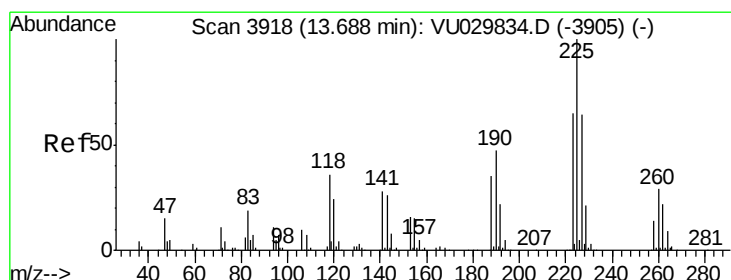


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



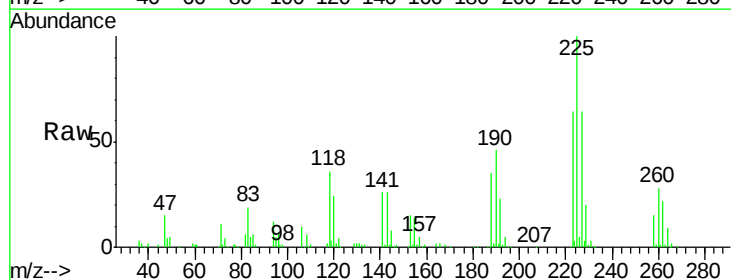
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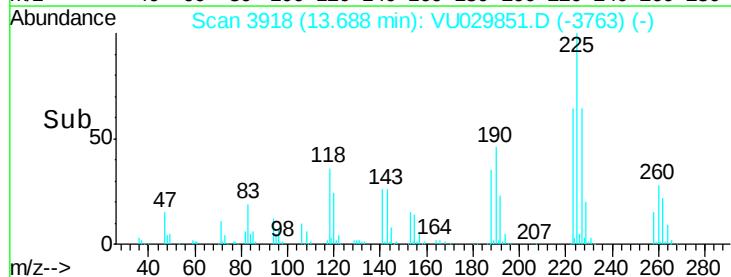
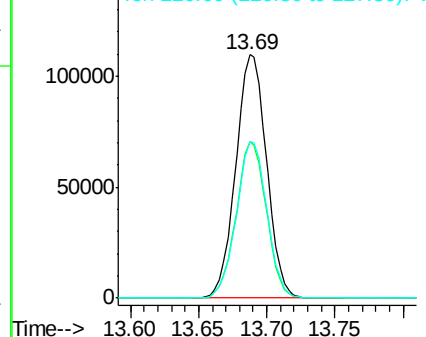


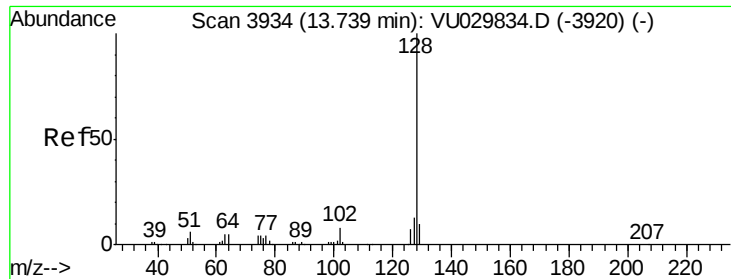
#88
 Hexachlorobutadiene
 Concen: 10.722 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. -0.00 min
 Lab File: VU029851.D
 Acq: 07 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	51.2	76.8
227	63.6	50.9	76.3



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V



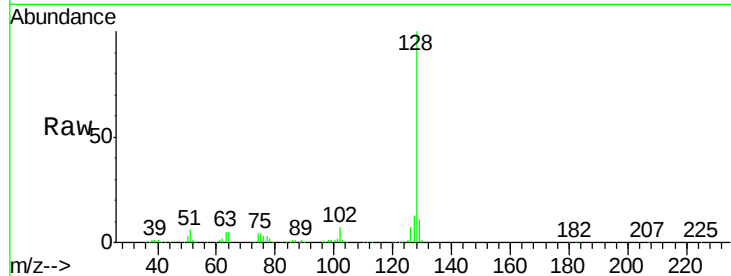


#89
Naphthalene
Concen: 9.600 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

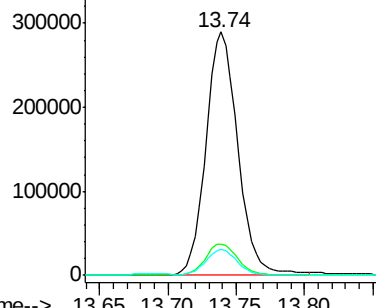
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.5	8.2	12.4

Manual Integrations
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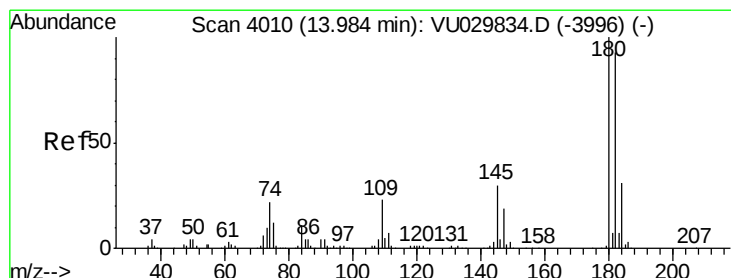
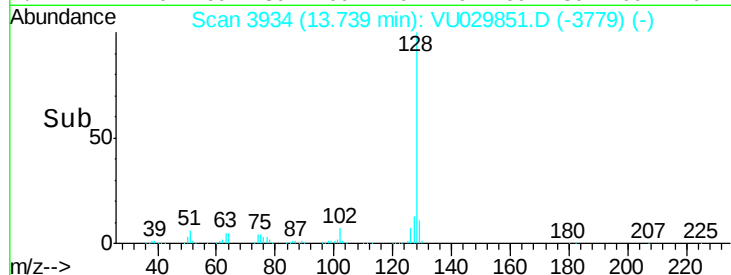


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



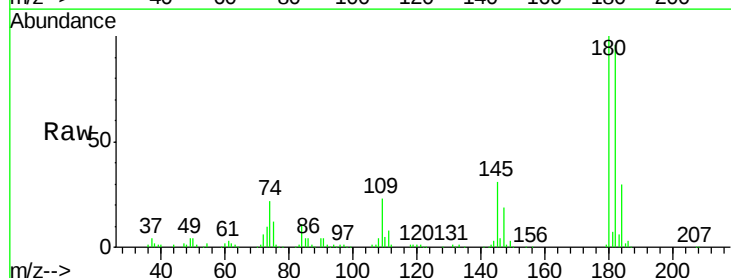
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#90
1,2,3-Trichlorobenzene
Concen: 11.143 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. -0.00 min
Lab File: VU029851.D
Acq: 07 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	74.8	112.2
145	30.4	24.6	36.8



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

