

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030719\
 Data File : VU029839.D
 Acq On : 06 Mar 2019 14:42
 Operator : JC/SP
 Sample : MDL02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 4:50:30 PM

Quant Time: Mar 08 22:23:46 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	60207	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	19580	0.90	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	22305	0.89	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	5432	0.270	ug/l	97
3) Chloromethane	1.33	50	4899	0.273	ug/l	95
4) Vinyl Chloride	1.40	62	5232	0.259	ug/l	96
5) Bromomethane	1.63	94	3948	0.286	ug/l	96
6) Chloroethane	1.70	64	2887	0.239	ug/l	97
7) Trichlorofluoromethane	1.88	101	7075	0.257	ug/l	89
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	4214	0.263	ug/l	95
9) 1,1-Dichloroethene	2.28	96	4103	0.262	ug/l	87
10) Iodomethane	2.41	142	3326	0.761	ug/l	97
11) Allyl Chloride	2.59	41	5597	0.254	ug/l	98
12) Acrylonitrile	2.94	53	1994	0.584	ug/l	98
13) Acetone	2.32	43	3875	1.370	ug/l	88
14) Carbon Disulfide	2.47	76	13731	0.271	ug/l	98
15) Methylene Chloride	2.69	84	6188	0.329	ug/l	97
16) trans-1,2-Dichloroethene	2.98	96	4323	0.244	ug/l	96
17) 1,1-Dichloroethane	3.44	63	7568	0.256	ug/l	95
18) 2-Butanone	4.29	43	3531	0.919	ug/l	99
19) Cyclohexane	4.98	56	5202m	0.226	ug/l	
20) Methylcyclohexane	6.41	83	6031	0.225	ug/l	95
21) 2,2-Dichloropropane	4.22	77	6344	0.262	ug/l #	79
22) cis-1,2-Dichloroethene	4.22	96	4923	0.263	ug/l	94
23) Diethyl Ether	2.10	59	3184	0.271	ug/l	86
24) tert-Butyl Alcohol	2.84	59	4014	3.314	ug/l	98
25) Methyl tert-Butyl Ether	3.00	73	9533	0.242	ug/l	94
26) Bromochloromethane	4.55	128	2146	0.258	ug/l	95
27) Chloroform	4.67	83	7321	0.244	ug/l	97
28) 1,1,1-Trichloroethane	4.91	97	6122	0.241	ug/l #	84
29) 1,1-Dichloropropene	5.13	75	5619	0.249	ug/l	96
30) Carbon Tetrachloride	5.13	117	5257	0.237	ug/l #	95
31) Isopropyl Ether	3.58	45	10159	0.249	ug/l	87
32) Ethyl-t-butyl ether	4.07	59	10131	0.255	ug/l	93
33) Tert-Amyl methyl ether	5.58	73	8805m	0.240	ug/l	
34) Propionitrile	4.34	54	1024m	0.896	ug/l	
35) Benzene	5.39	78	17028	0.256	ug/l	94
36) 1,2-Dichloroethane	5.40	62	4496	0.247	ug/l #	90
37) Trichloroethene	6.19	130	5019	0.258	ug/l	98
38) 1,2-Dichloropropane	6.43	63	4500	0.267	ug/l	91
39) Methacrylonitrile	4.56	41	1199m	0.249	ug/l	
41) Tetrahydrofuran	4.65	42	1698	0.675	ug/l #	53
42) 1-Chlorobutane	5.06	56	6291	0.218	ug/l	81
43) Dibromomethane	6.56	93	1972	0.226	ug/l	97

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Manual Integrations
 APPROVED

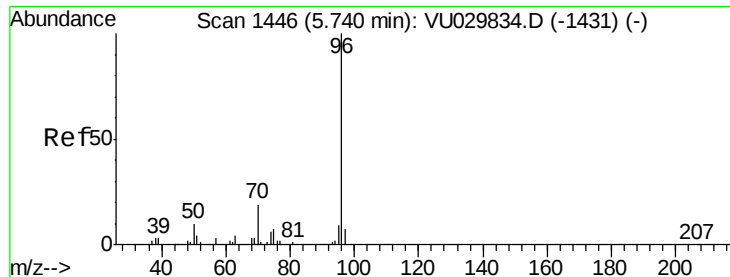
MMDadoda
 3/11/2019 4:50:30 PM

Quant Time: Mar 08 22:23:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
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 Response via : Initial Calibration

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

44) Bromodichloromethane	6.76	83	5162	0.241	ug/l #	89
45) 4-Methyl-2-Pentanone	7.47	43	10887	1.196	ug/l	94
46) t-1,4-Dichloro-2-butene	10.52	75	1419m	0.373	ug/l	
47) Methyl methacrylate	6.64	69	3025	0.404	ug/l	84
48) Ethyl methacrylate	8.03	69	2953	0.206	ug/l	100
49) Toluene	7.64	92	9078	0.222	ug/l	97
50) t-1,3-Dichloropropene	7.89	75	3921	0.209	ug/l	96
51) cis-1,3-Dichloropropene	7.27	75	5502	0.237	ug/l	94
52) 1,1,2-Trichloroethane	8.07	97	2982	0.231	ug/l	91
53) 1,3-Dichloropropane	8.24	76	5118	0.242	ug/l	98
54) 2-Hexanone	8.38	43	6925	1.095	ug/l	92
55) Dibromochloromethane	8.48	129	3288	0.214	ug/l	96
56) 1,2-Dibromoethane	8.59	107	2723	0.222	ug/l	95
58) Tetrachloroethene	8.22	164	5139	0.259	ug/l	92
59) Chlorobenzene	9.12	112	11041	0.235	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	3823	0.227	ug/l	97
61) Pentachloroethane	11.10	117	2672	0.228	ug/l	91
62) Hexachloroethane	12.14	117	2537	0.206	ug/l	89
63) Ethyl Benzene	9.25	91	16667	0.217	ug/l	95
64) m/p-Xylenes	9.37	106	12712	0.418	ug/l	98
65) o-Xylene	9.78	106	6446	0.221	ug/l	97
67) Bromoform	9.96	173	1922	0.213	ug/l #	95
69) Isopropylbenzene	10.17	105	17009	0.220	ug/l	94
70) 1,1,2,2-Tetrachloroethane	10.46	83	3772	0.239	ug/l #	95
71) 1,2,3-Trichloropropane	10.49	75	2883m	0.246	ug/l	
72) Bromobenzene	10.45	156	4896	0.239	ug/l	93
74) 2-Chlorotoluene	10.66	126	4313	0.223	ug/l	93
75) 1,3,5-Trimethylbenzene	10.77	105	13242	0.203	ug/l	94
76) 4-Chlorotoluene	10.78	126	4238	0.215	ug/l	98
77) tert-Butylbenzene	11.10	119	13352	0.207	ug/l	94
78) 1,2,4-Trimethylbenzene	11.15	105	13797	0.209	ug/l	94
79) sec-Butylbenzene	11.32	105	17926	0.210	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	9066	0.223	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	9373	0.236	ug/l	95
85) 1,2-Dichlorobenzene	11.88	146	8818	0.230	ug/l	97
88) Hexachlorobutadiene	13.69	225	3198	0.207	ug/l	92
89) Naphthalene	13.75	128	4575	0.550	ug/l #	86
90) 1,2,3-Trichlorobenzene	13.99	180	4929m	0.214	ug/l	

(#) = 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: VU029839.D

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Instrument :

MSVOA_U

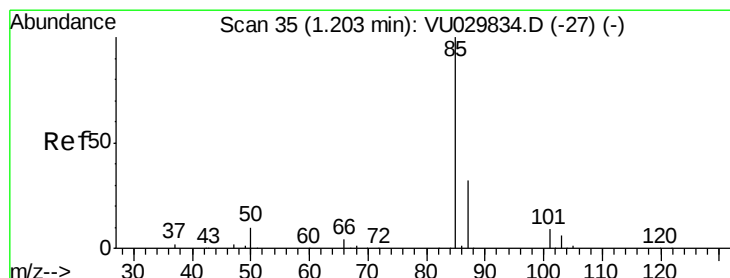
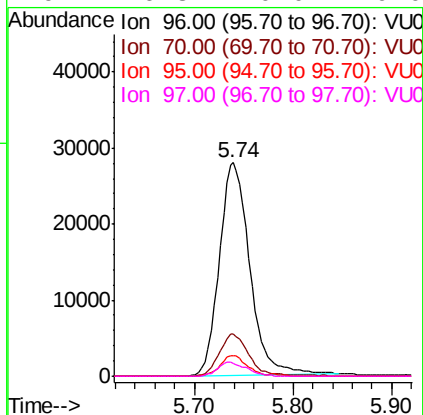
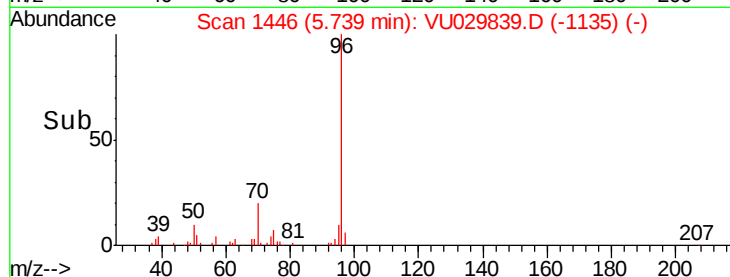
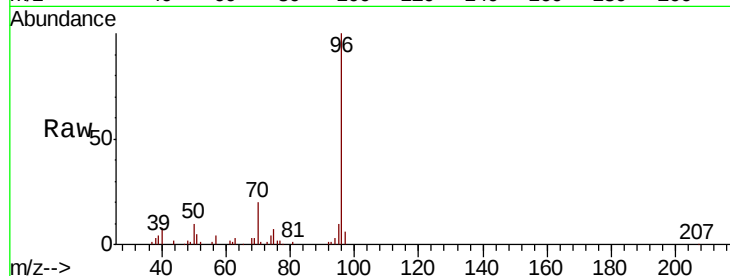
ClientSampleId :

MDL02

Tgt Ion:	96	Resp:	60207
Ion	Ratio	Lower	Upper
96	100		
70	18.2	14.4	21.6
95	7.8	7.0	10.6
97	6.3	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.270 ug/l

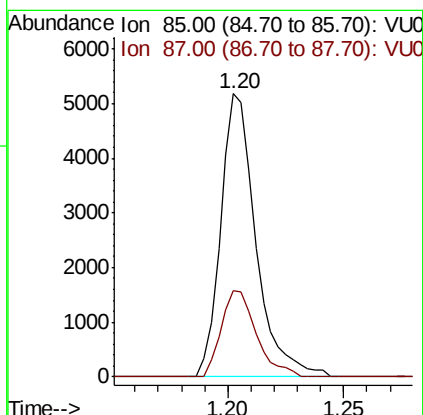
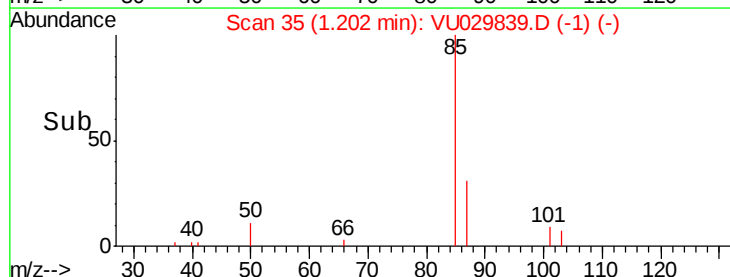
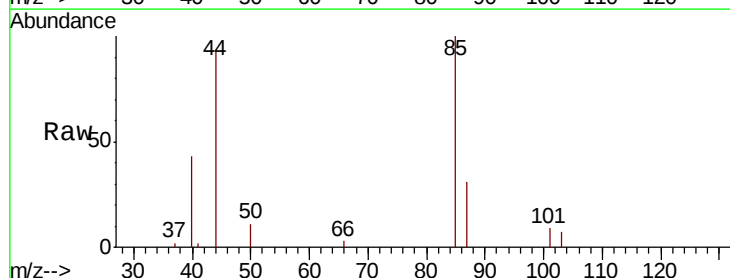
RT: 1.20 min Scan# 35

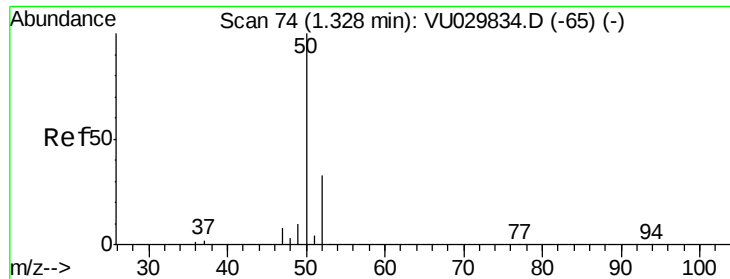
Delta R.T. -0.00 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

Tgt Ion:	85	Resp:	5432
Ion	Ratio	Lower	Upper
85	100		
87	30.5	16.2	48.6





#3

Chloromethane

Concen: 0.273 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion: 50 Resp: 4899

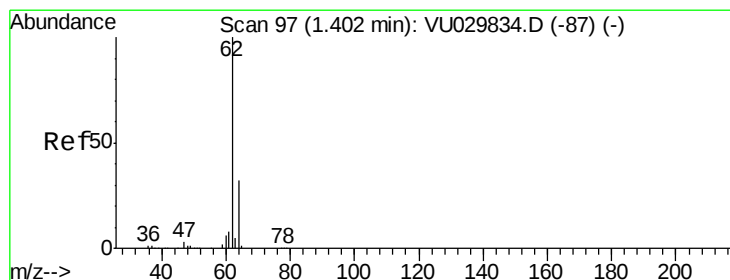
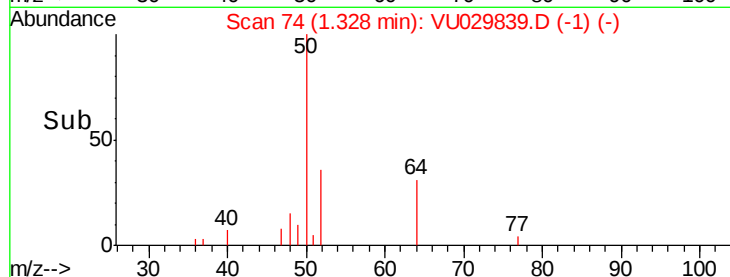
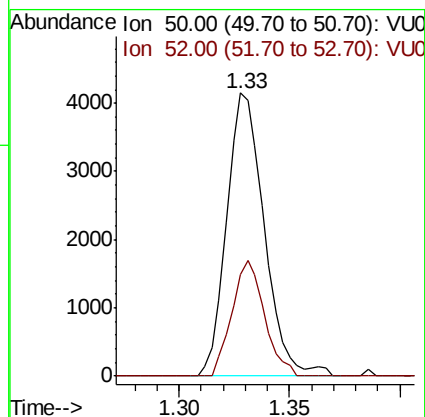
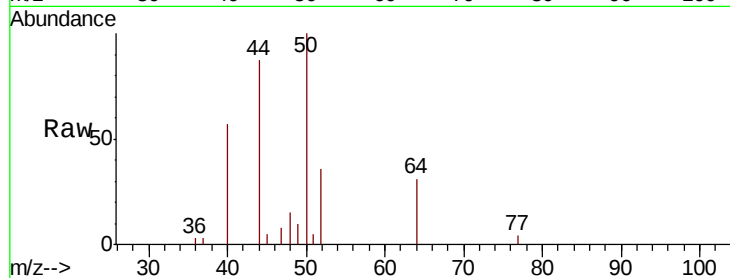
Ion Ratio Lower Upper

50 100

52 36.0 26.5 39.7

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3/11/2019 4:50:30 PM



#4

Vinyl Chloride

Concen: 0.259 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029839.D

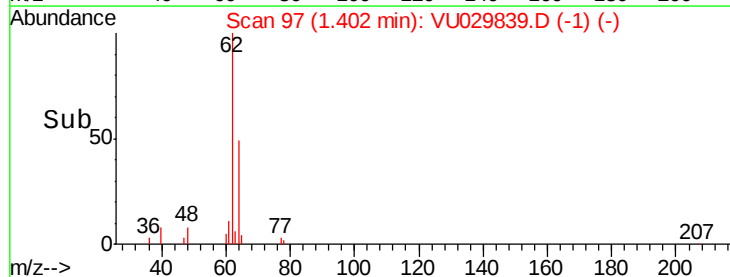
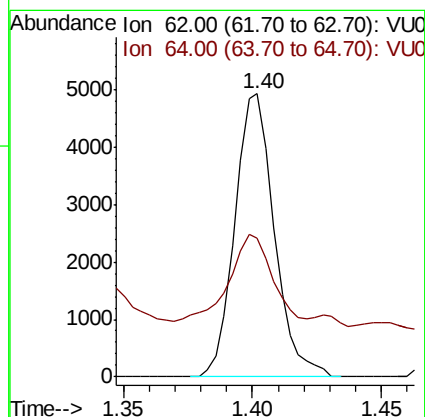
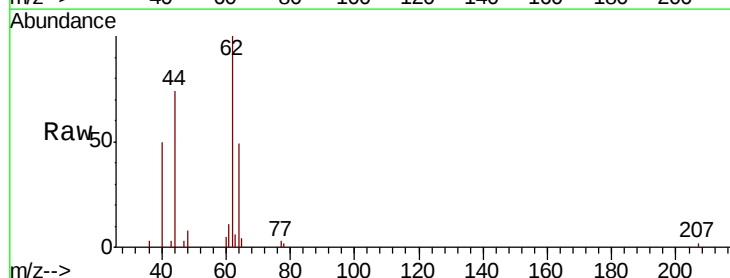
Acq: 06 Mar 2019 14:42

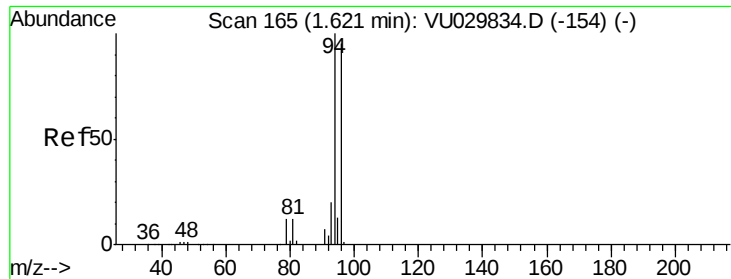
Tgt Ion: 62 Resp: 5232

Ion Ratio Lower Upper

62 100

64 29.7 25.7 38.5





#5

Bromomethane

Concen: 0.286 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion: 94 Resp: 3948

Ion Ratio Lower Upper

94 100

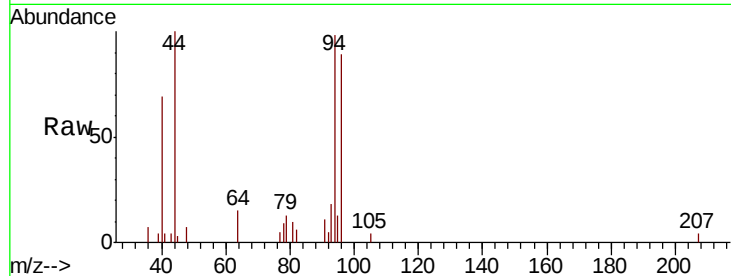
96 91.4 76.4 114.6

Manual Integrations

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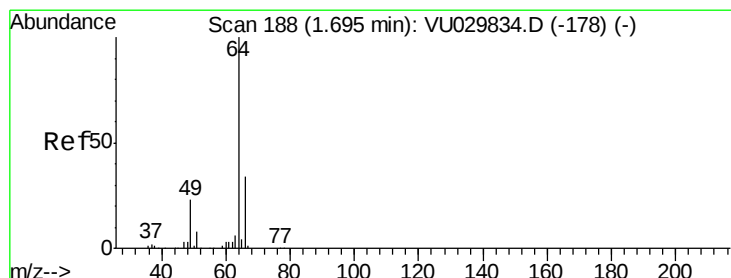
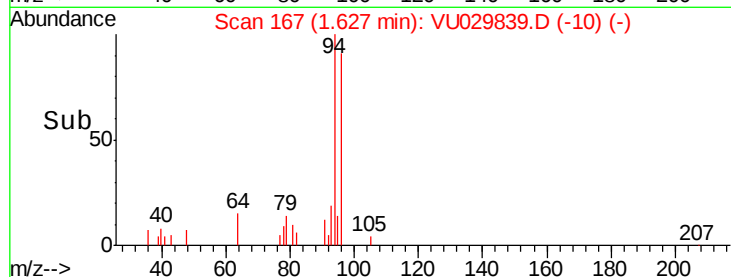
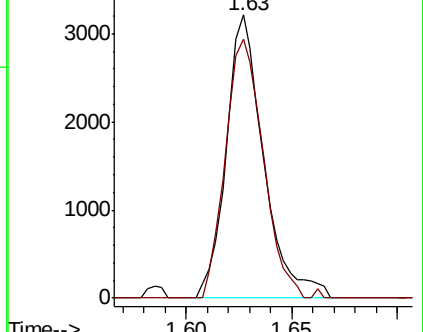
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Abundance Ion 94.00 (93.70 to 94.70): VU029839.D (-167) (-)

Ion 96.00 (95.70 to 96.70): VU029839.D (-167) (-)



#6

Chloroethane

Concen: 0.239 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029839.D

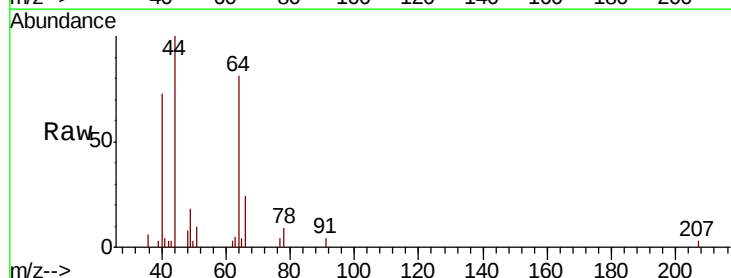
Acq: 06 Mar 2019 14:42

Tgt Ion: 64 Resp: 2887

Ion Ratio Lower Upper

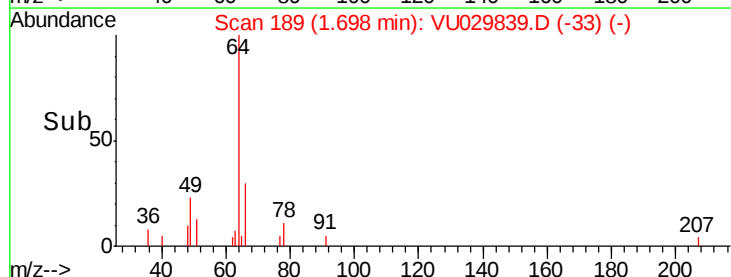
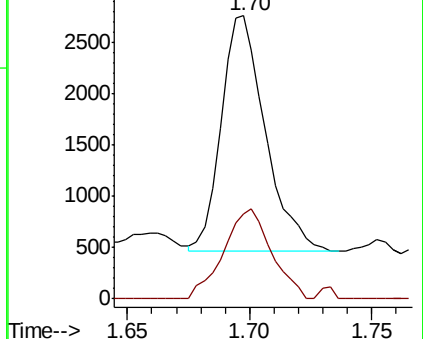
64 100

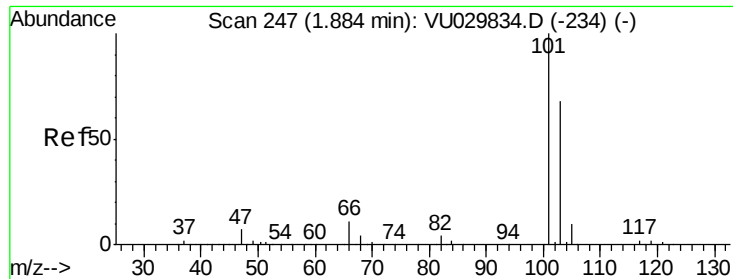
66 36.0 27.3 40.9



Abundance Ion 64.00 (63.70 to 64.70): VU029839.D (-189) (-)

Ion 66.00 (65.70 to 66.70): VU029839.D (-189) (-)





#7

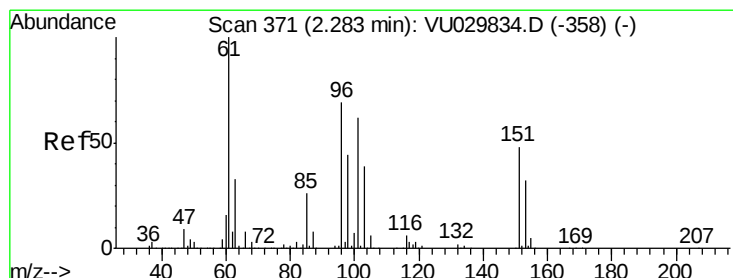
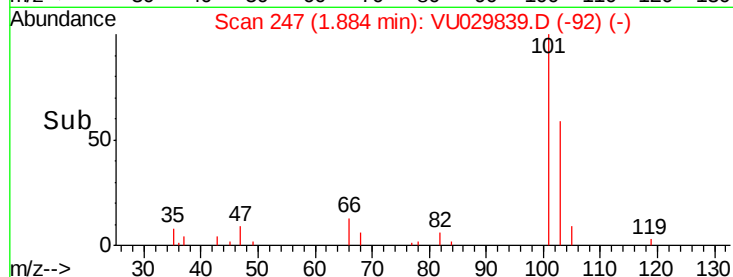
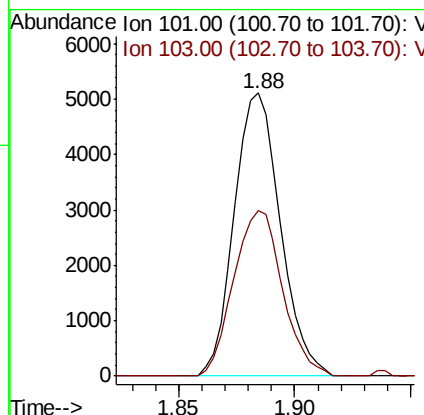
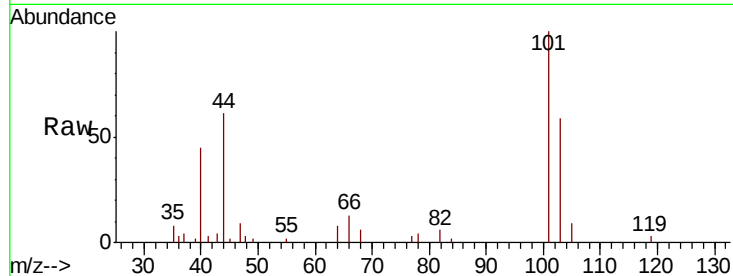
Trichlorofluoromethane
Concen: 0.257 ug/l
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion:101 Resp: 7075
Ion Ratio Lower Upper
101 100
103 58.7 54.2 81.2

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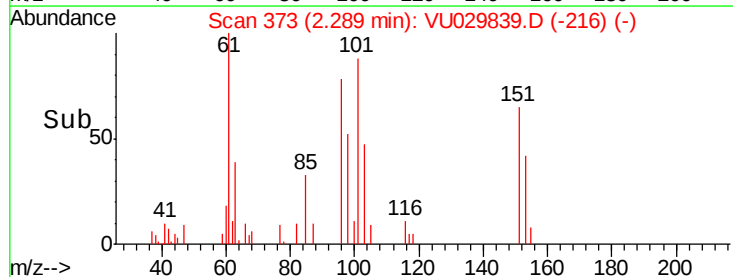
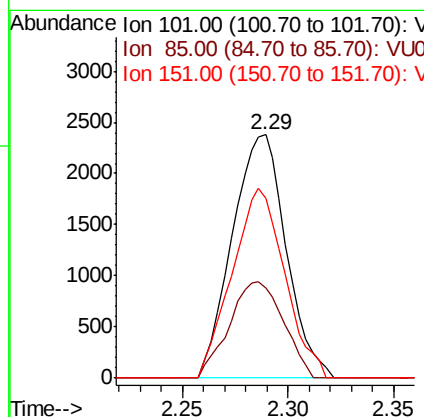
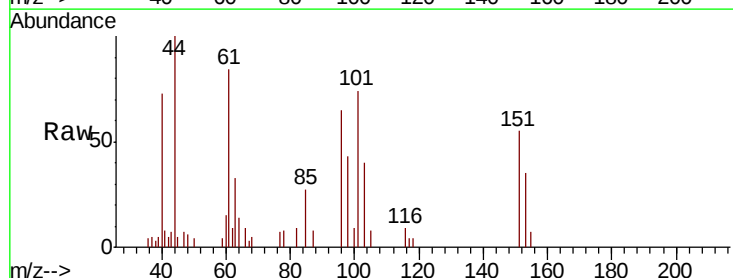
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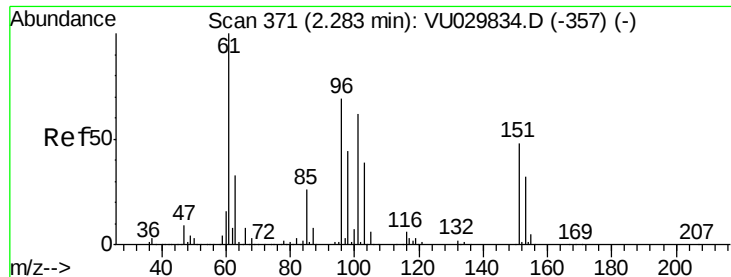


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.263 ug/l
RT: 2.29 min Scan# 373
Delta R.T. 0.01 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Tgt Ion:101 Resp: 4214
Ion Ratio Lower Upper
101 100
85 39.7 33.4 50.0
151 75.9 64.6 97.0





#9

1,1-Dichloroethene

Concen: 0.262 ug/l

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

Instrument :

MSVOA_U

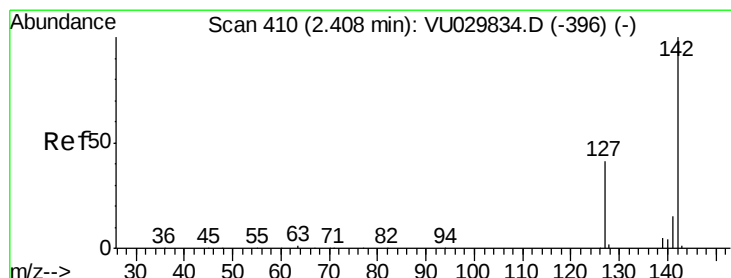
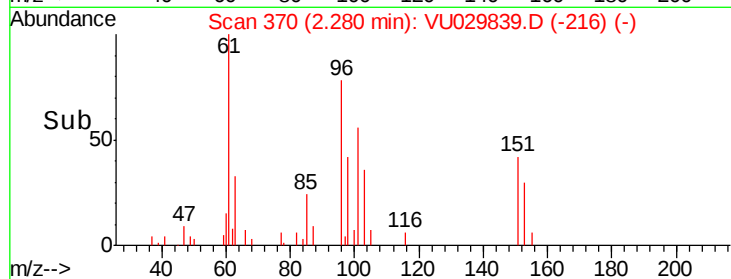
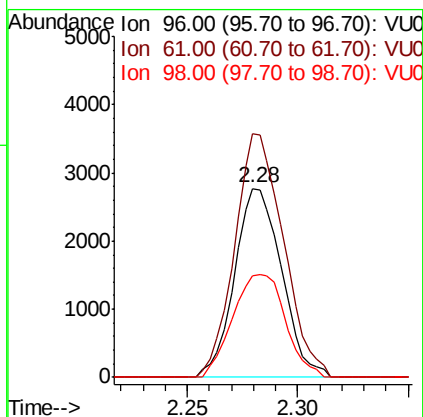
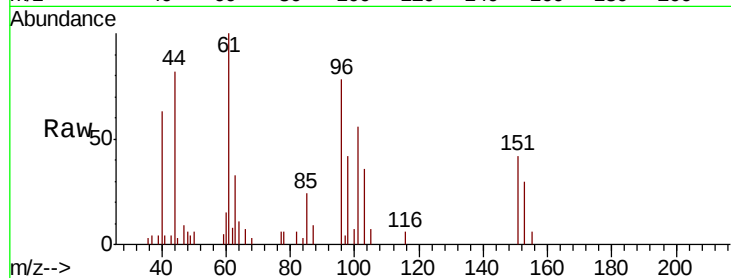
ClientSampleId :

MDL02

Tgt Ion:	96	Resp:	4103
Ion	Ratio	Lower	Upper
96	100		
61	129.0	0.0	435.3
98	54.0	0.0	128.6

Manual Integrations
APPROVED

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3/11/2019 4:50:30 PM



#10

Iodomethane

Concen: 0.761 ug/l

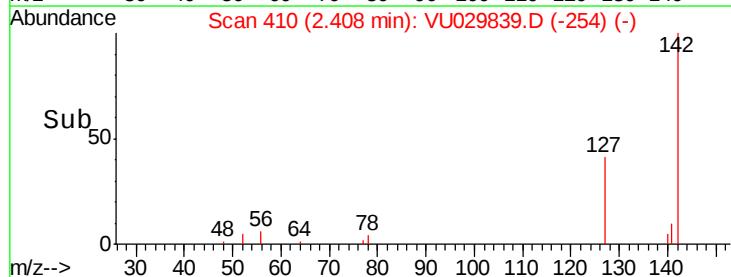
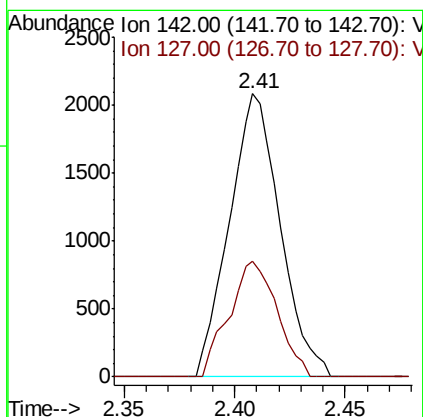
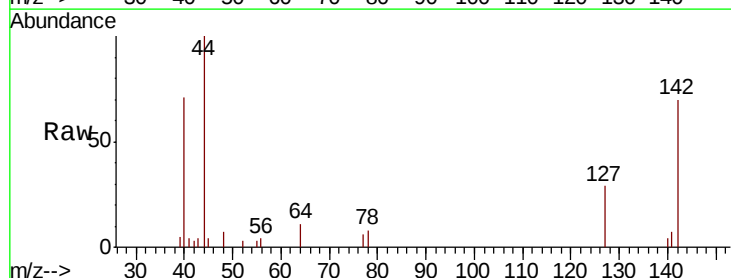
RT: 2.41 min Scan# 410

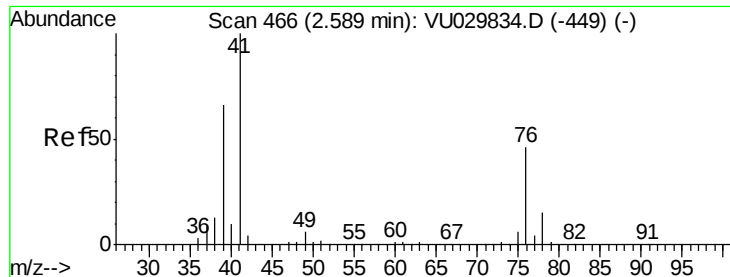
Delta R.T. 0.00 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

Tgt Ion:	142	Resp:	3326
Ion	Ratio	Lower	Upper
142	100		
127	38.7	32.3	48.5





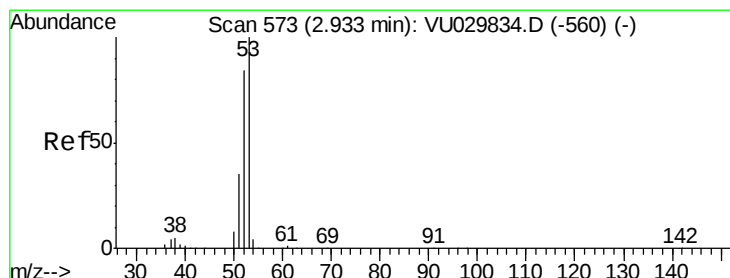
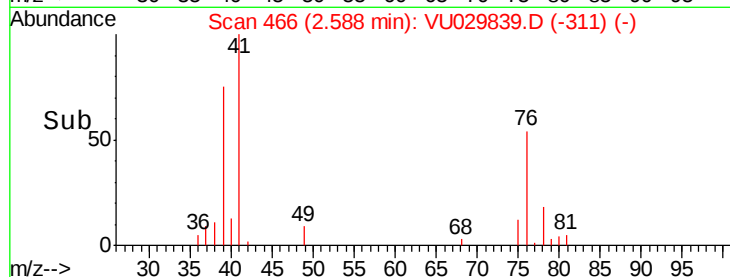
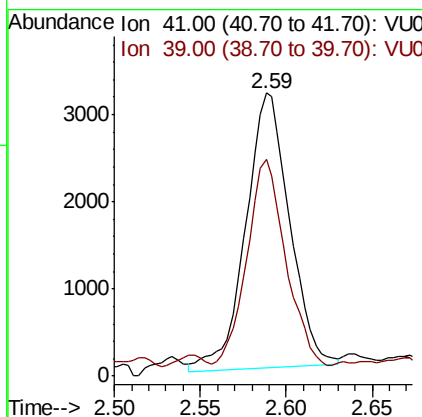
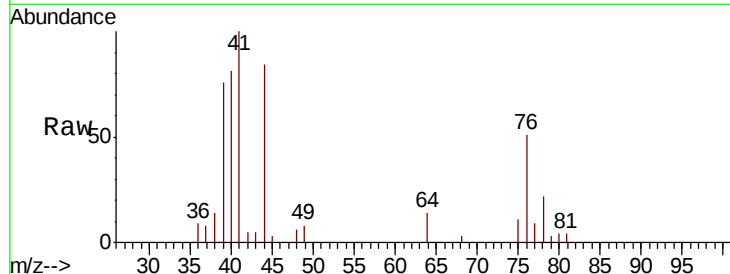
#11
 Allyl Chloride
 Concen: 0.254 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VU029839.D
 Acq: 06 Mar 2019 14:42

Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

Tgt Ion: 41 Resp: 5597
 Ion Ratio Lower Upper
 41 100
 39 66.1 51.6 77.4

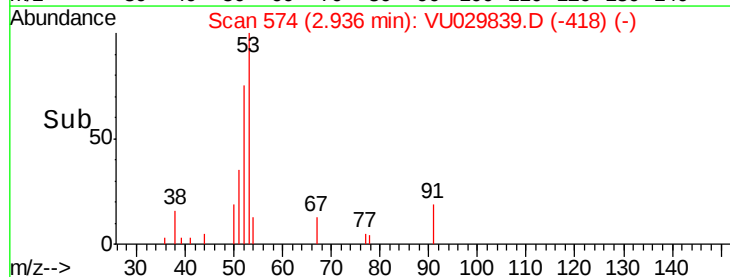
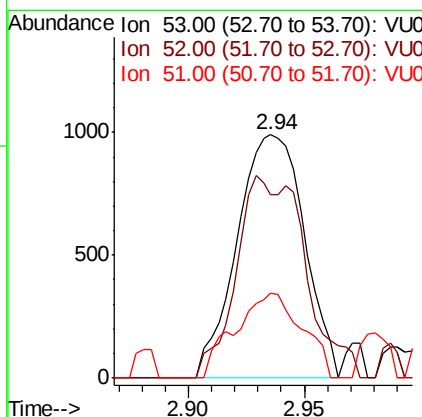
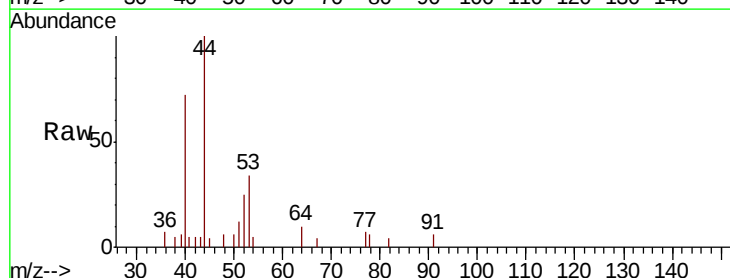
Manual Integrations
 APPROVED

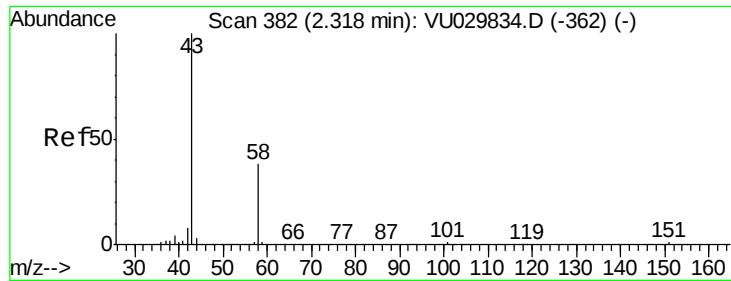
MMDadoda
 3/11/2019 4:50:30 PM



#12
 Acrylonitrile
 Concen: 0.584 ug/l
 RT: 2.94 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: VU029839.D
 Acq: 06 Mar 2019 14:42

Tgt Ion: 53 Resp: 1994
 Ion Ratio Lower Upper
 53 100
 52 85.4 66.5 99.7
 51 35.1 28.6 42.8





#13

Acetone

Concen: 1.370 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

Instrument :

MSVOA_U

ClientSampled :

MDL02

Tgt Ion: 43 Resp: 3875

Ion Ratio Lower Upper

43 100

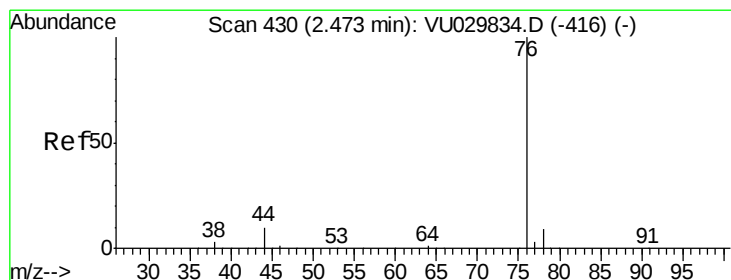
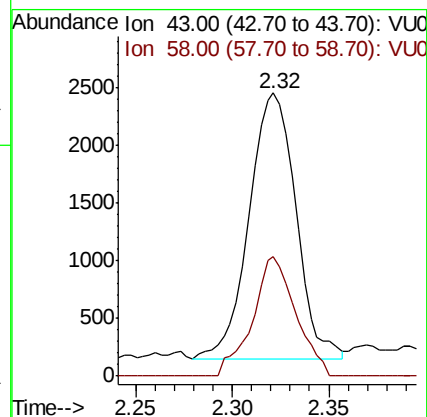
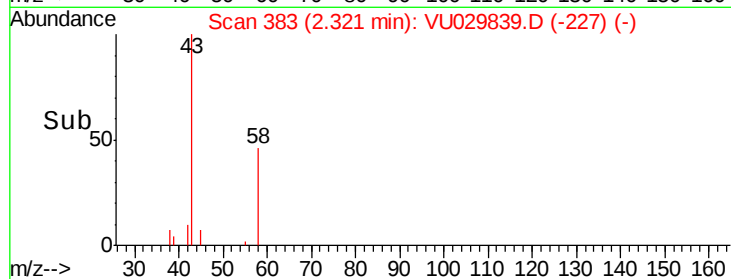
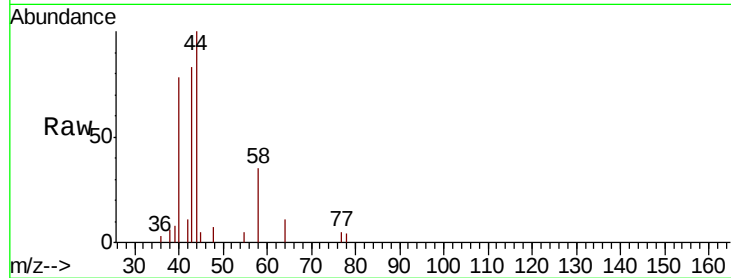
58 45.1 30.2 45.2

Manual Integrations

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MMDadoda

3/11/2019 4:50:30 PM



#14

Carbon Disulfide

Concen: 0.271 ug/l

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029839.D

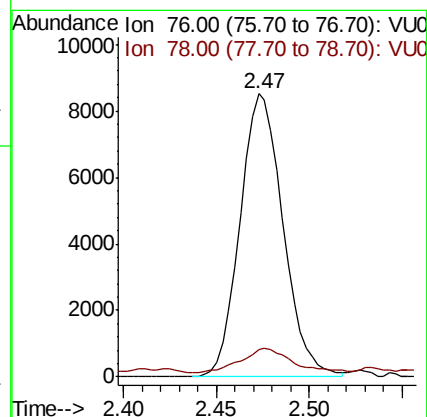
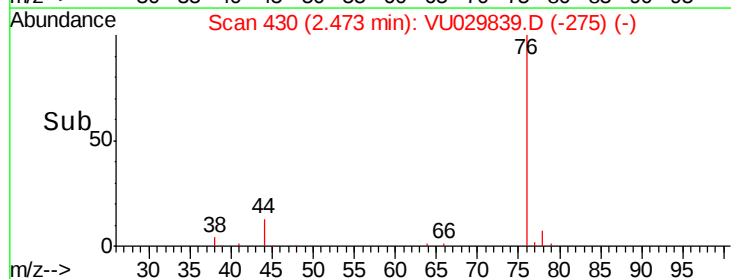
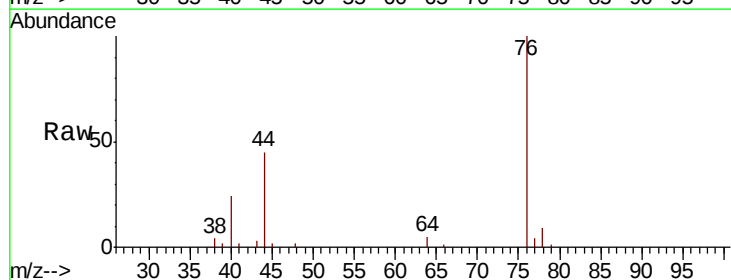
Acq: 06 Mar 2019 14:42

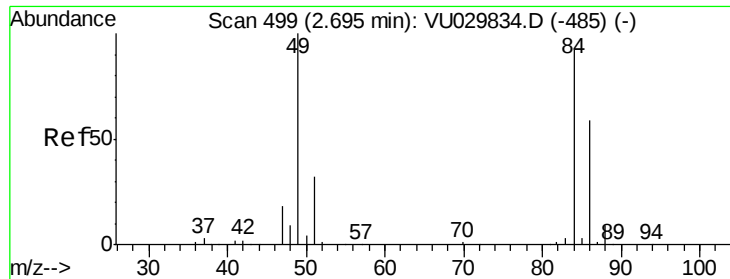
Tgt Ion: 76 Resp: 13731

Ion Ratio Lower Upper

76 100

78 8.1 7.2 10.8





#15

Methylene Chloride

Concen: 0.329 ug/l

RT: 2.69 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion: 84 Resp: 6188

Ion Ratio Lower Upper

84 100

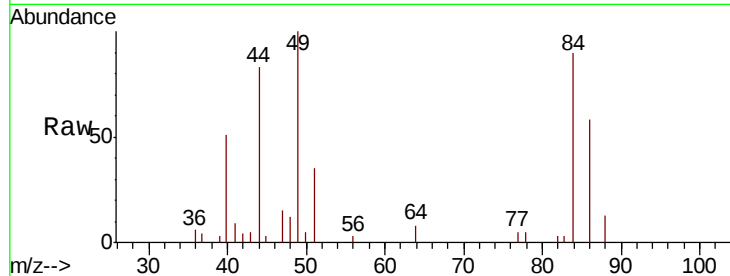
49 111.4 87.2 130.8

51 38.7 0.0 69.0

86 64.8 51.3 76.9

Manual Integrations
APPROVED

MMDadoda
3/11/2019 4:50:30 PM

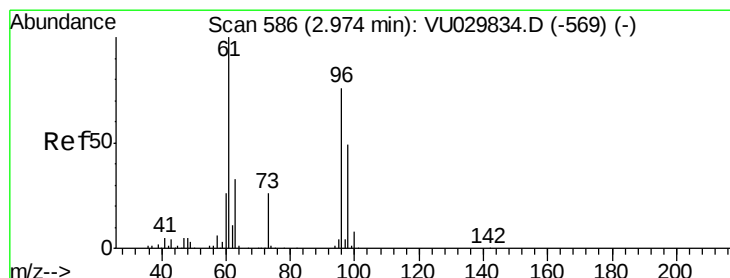
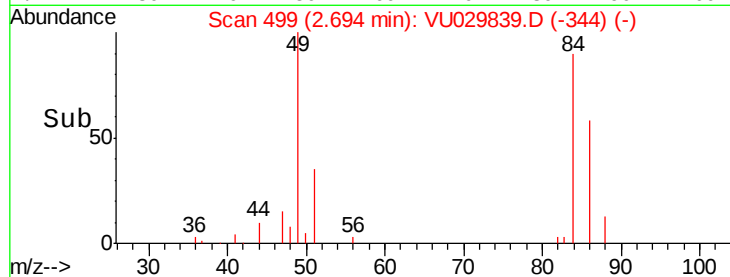
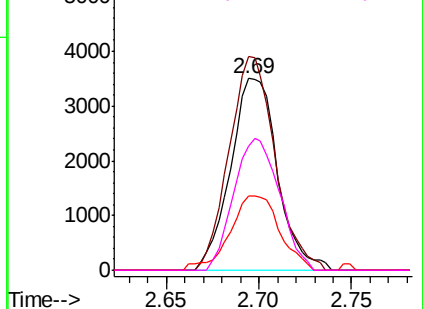


Abundance Ion 84.00 (83.70 to 84.70): VU029834.D (-485) (-)

Ion 49.00 (48.70 to 49.70): VU029834.D (-485) (-)

Ion 51.00 (50.70 to 51.70): VU029834.D (-485) (-)

Ion 86.00 (85.70 to 86.70): VU029834.D (-485) (-)



#16

trans-1,2-Dichloroethene

Concen: 0.244 ug/l

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

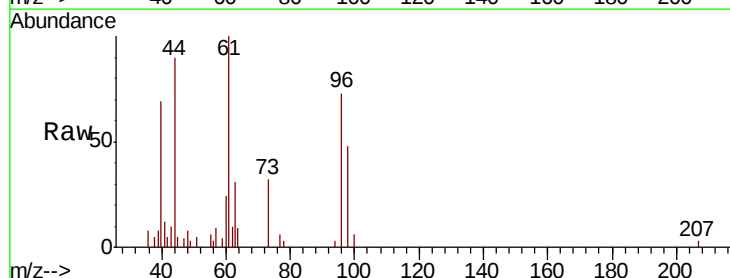
Tgt Ion: 96 Resp: 4323

Ion Ratio Lower Upper

96 100

61 136.6 104.7 157.1

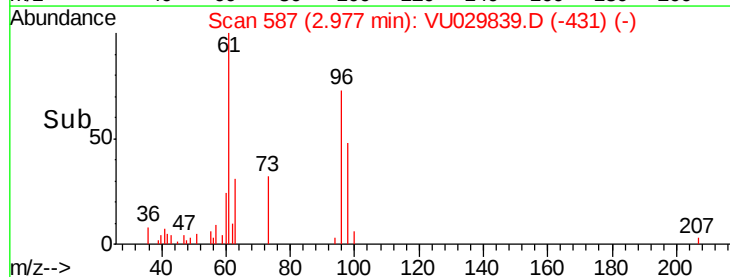
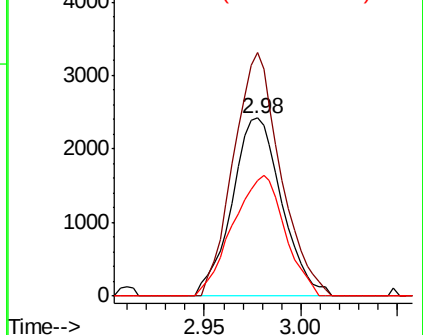
98 65.0 50.9 76.3

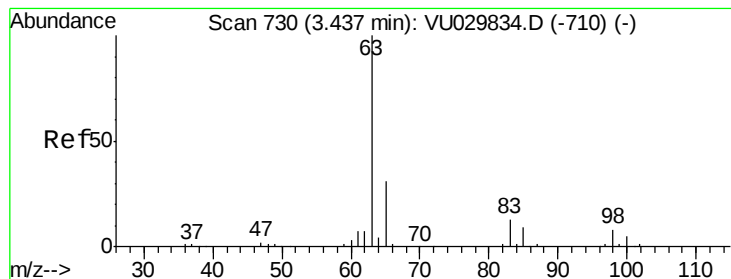


Abundance Ion 96.00 (95.70 to 96.70): VU029834.D (-569) (-)

Ion 61.00 (60.70 to 61.70): VU029834.D (-569) (-)

Ion 98.00 (97.70 to 98.70): VU029834.D (-569) (-)





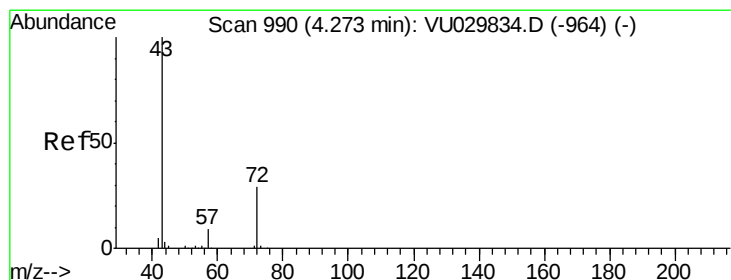
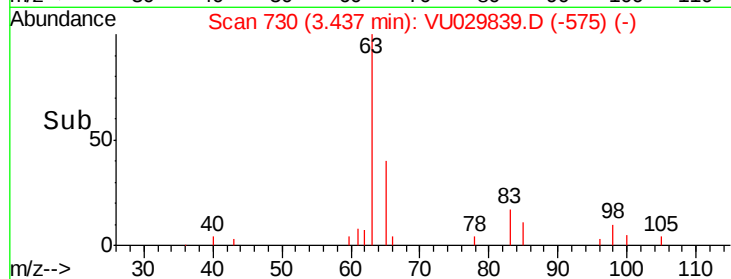
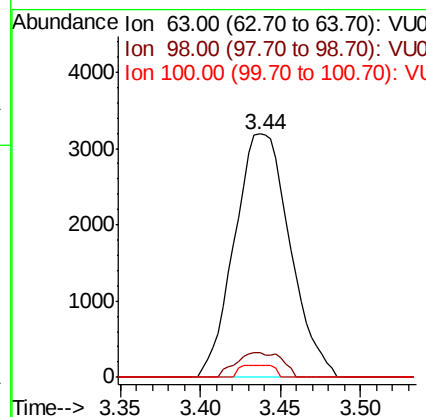
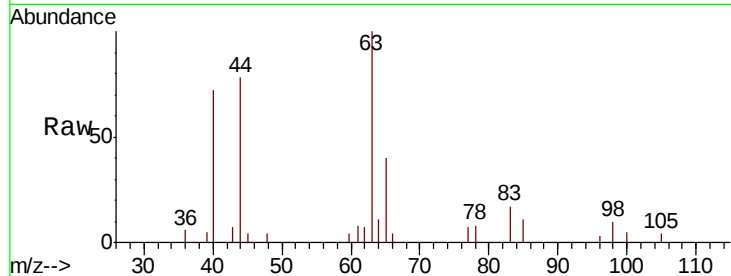
#17
 1,1-Dichloroethane
 Concen: 0.256 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU029839.D
 Acq: 06 Mar 2019 14:42

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tgt Ion	Ratio	Lower	Upper
63	100		
98	10.0	3.8	11.4
100	5.0	2.4	7.1

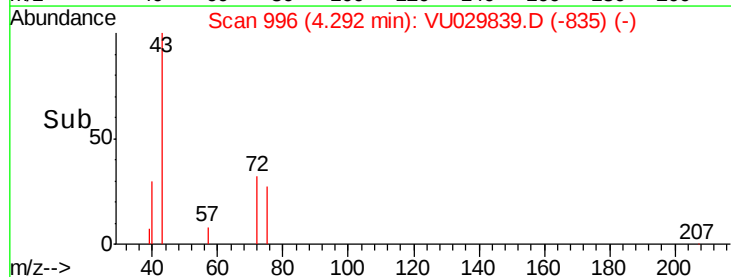
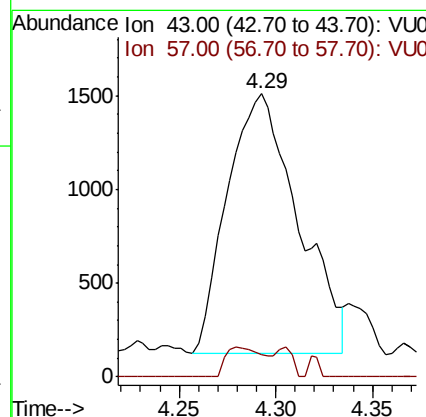
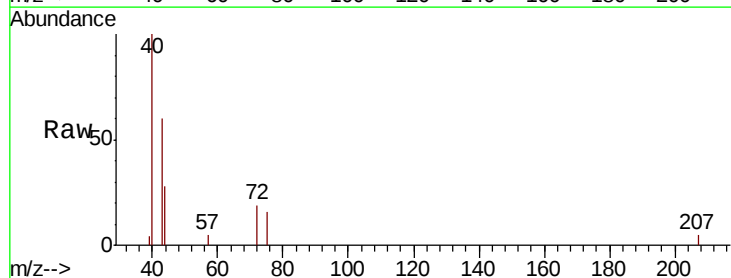
Manual Integrations
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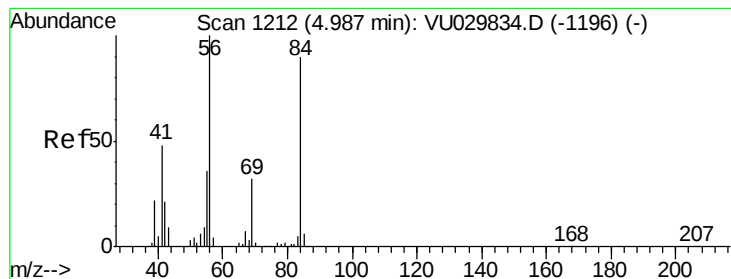
MMDadoda
 3/11/2019 4:50:30 PM



#18
 2-Butanone
 Concen: 0.919 ug/l
 RT: 4.29 min Scan# 996
 Delta R.T. 0.02 min
 Lab File: VU029839.D
 Acq: 06 Mar 2019 14:42

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.8	0.0	18.6





#19

Cyclohexane

Concen: 0.226 ug/l m

RT: 4.98 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

Instrument :

MSVOA_U

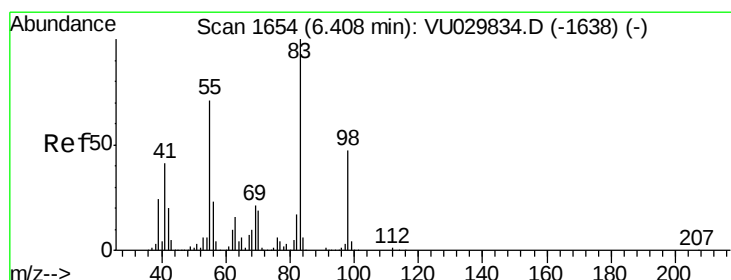
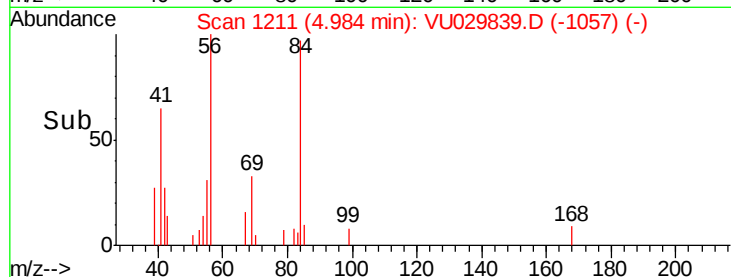
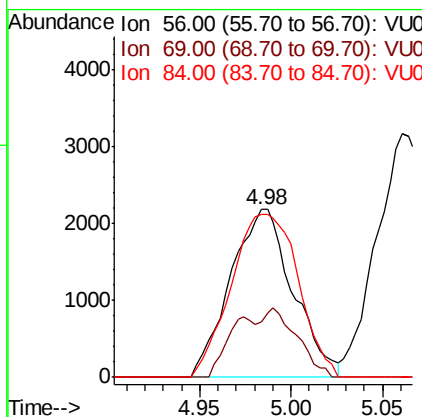
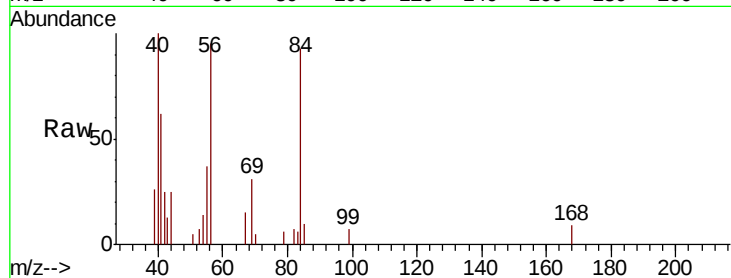
ClientSampleId :

MDL02

Tgt Ion:	56	Resp:	5202
Ion	Ratio	Lower	Upper
56	100		
69	20.8	29.4	44.2#
84	104.1	84.6	127.0

Manual Integrations
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MMDadoda
3/11/2019 4:50:30 PM



#20

Methylcyclohexane

Concen: 0.225 ug/l

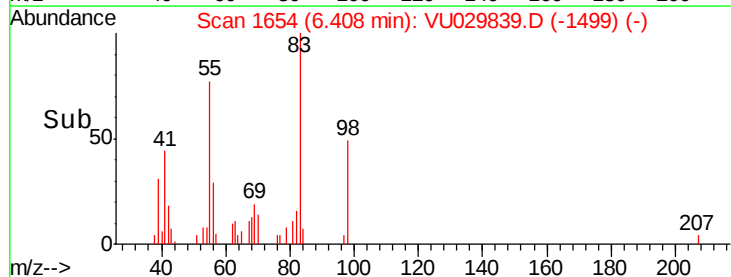
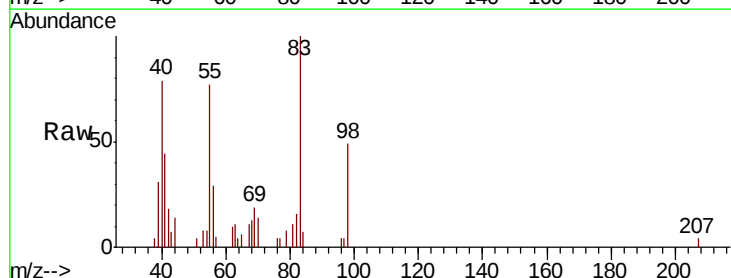
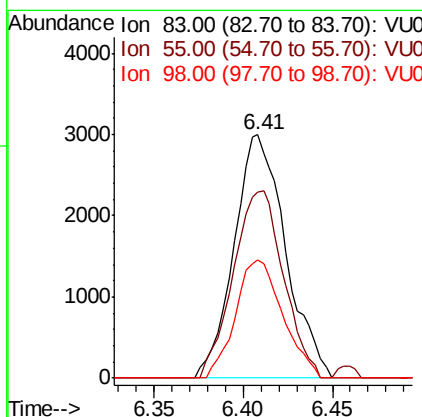
RT: 6.41 min Scan# 1654

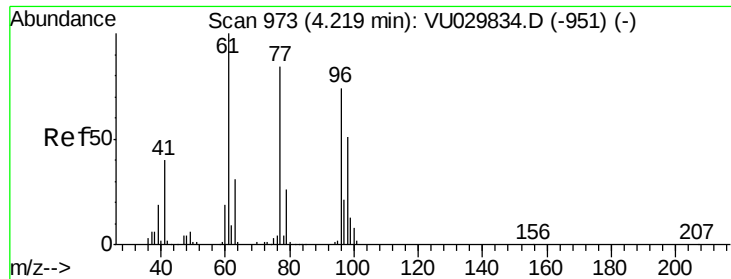
Delta R.T. -0.00 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

Tgt Ion:	83	Resp:	6031
Ion	Ratio	Lower	Upper
83	100		
55	75.3	55.9	83.9
98	44.6	37.0	55.4





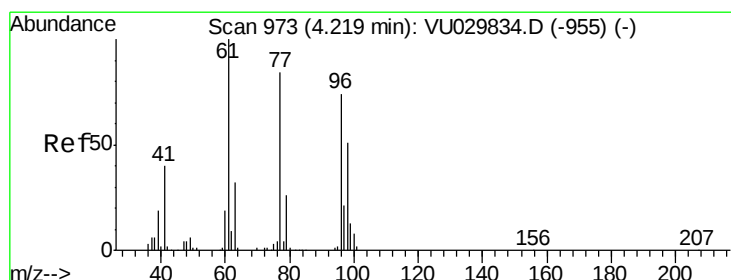
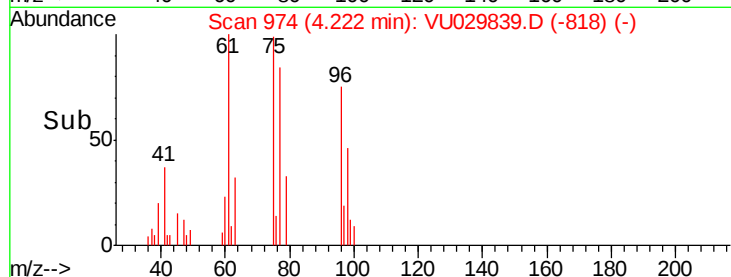
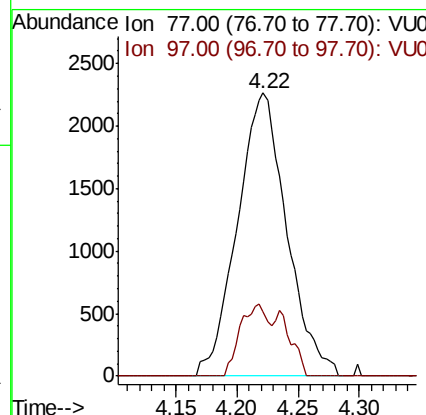
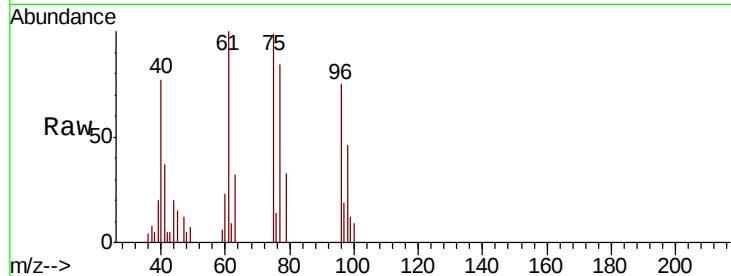
#21
 2,2-Dichloropropane
 Concen: 0.262 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029839.D
 Acq: 06 Mar 2019 14:42

Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

Tgt Ion: 77 Resp: 6344
 Ion Ratio Lower Upper
 77 100
 97 14.8 20.2 30.2#

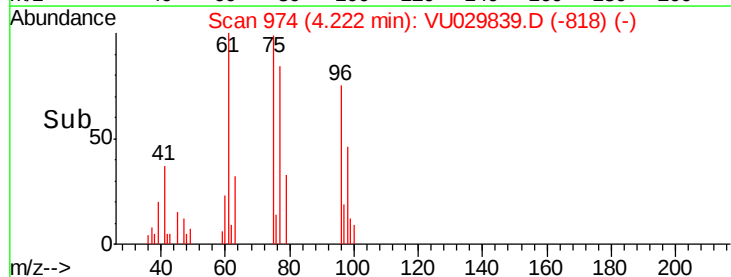
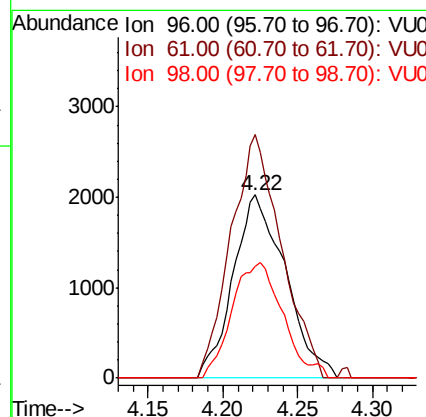
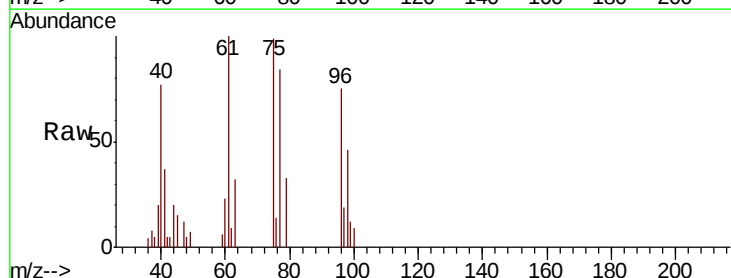
Manual Integrations
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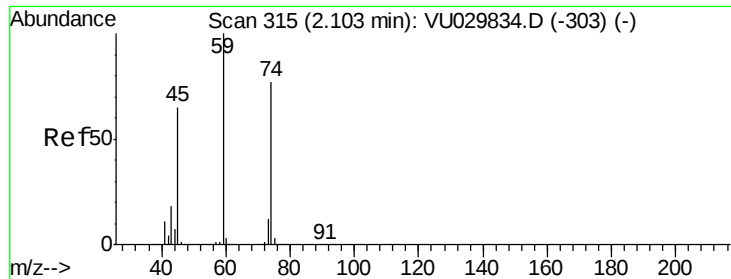
MMDadoda
 3/11/2019 4:50:30 PM



#22
 cis-1,2-Dichloroethene
 Concen: 0.263 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029839.D
 Acq: 06 Mar 2019 14:42

Tgt Ion: 96 Resp: 4923
 Ion Ratio Lower Upper
 96 100
 61 128.2 0.0 339.0
 98 61.5 33.1 99.5





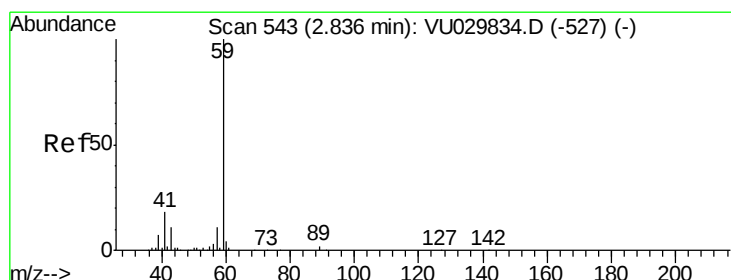
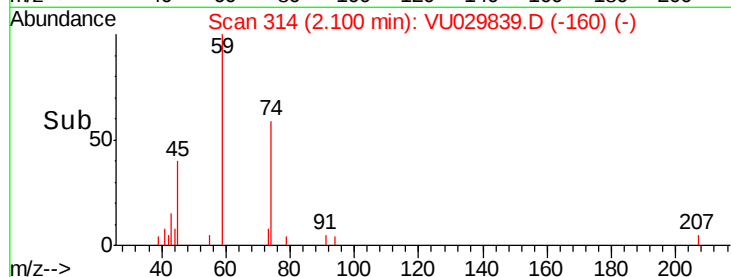
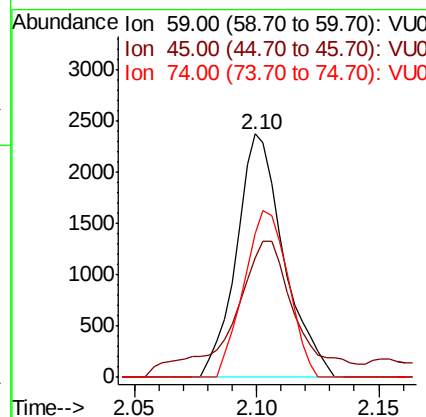
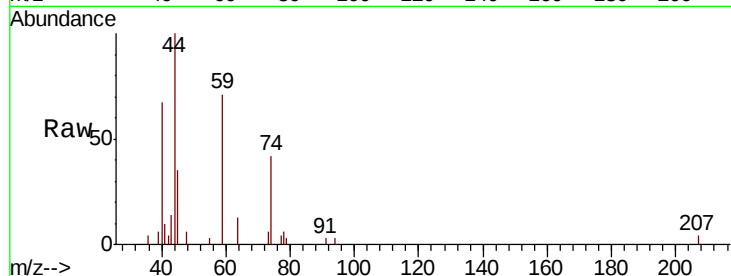
#23
Diethyl Ether
Concen: 0.271 ug/l
RT: 2.10 min Scan# 314
Delta R.T. -0.00 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion	Ratio	Lower	Upper
59	100		
45	75.1	52.7	79.1
74	63.9	61.8	92.6

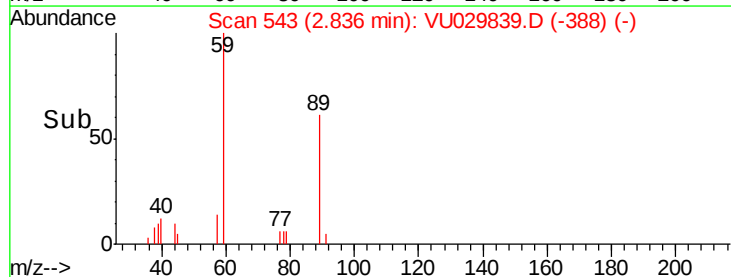
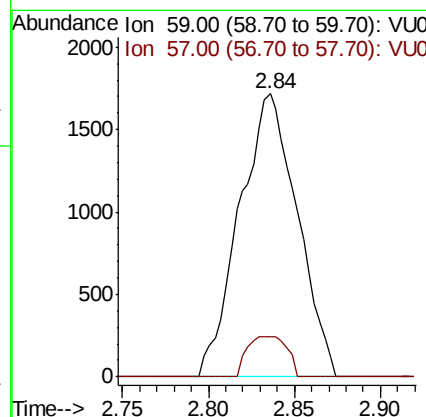
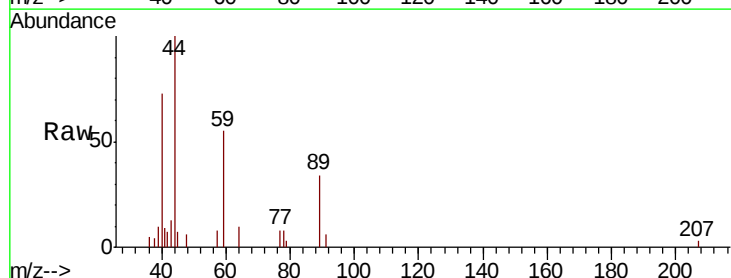
Manual Integrations
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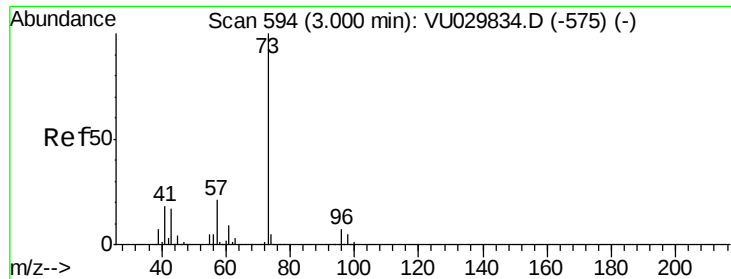
MMDadoda
3/11/2019 4:50:30 PM



#24
tert-Butyl Alcohol
Concen: 3.314 ug/l
RT: 2.84 min Scan# 543
Delta R.T. -0.00 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.5	12.7





#25

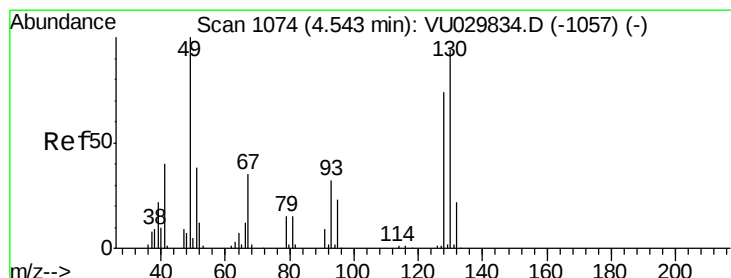
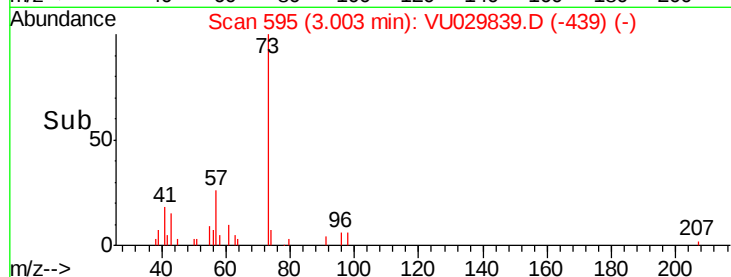
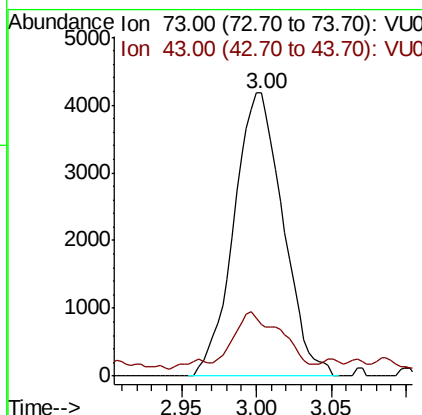
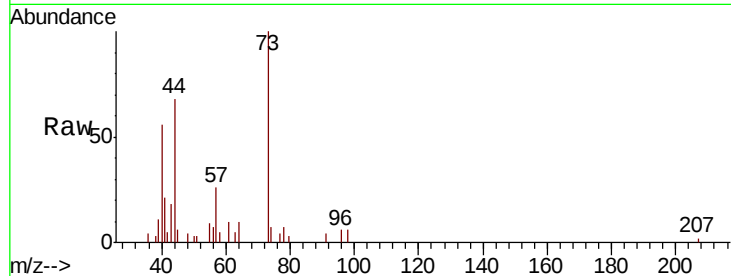
Methyl tert-Butyl Ether
Concen: 0.242 ug/l
RT: 3.00 min Scan# 595
Delta R.T. 0.00 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.9	13.1	19.7

Manual Integrations
APPROVED

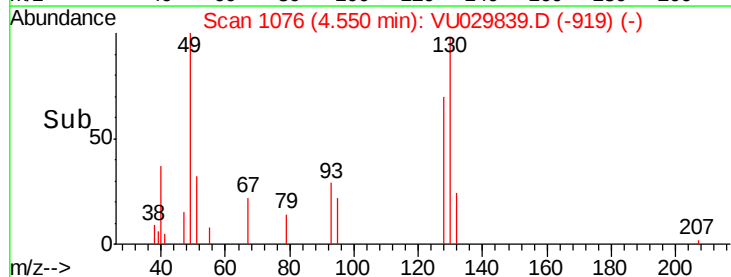
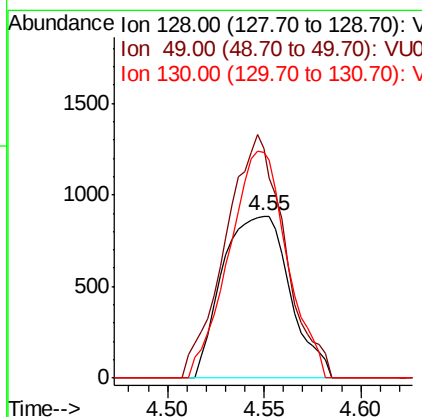
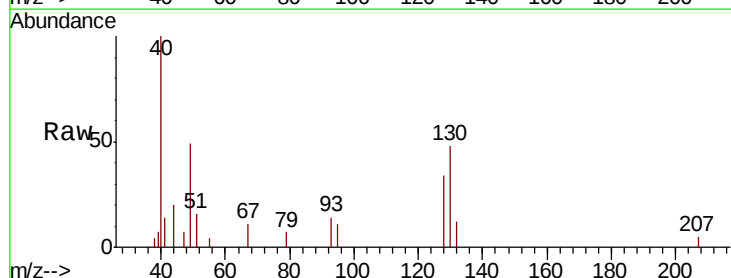
MMDadoda
3/11/2019 4:50:30 PM

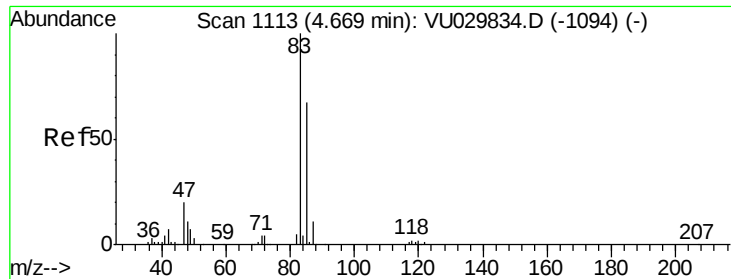


#26

Bromochloromethane
Concen: 0.258 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Tgt Ion	Ratio	Lower	Upper
128	100		
49	132.4	0.0	270.6
130	120.5	104.2	156.4





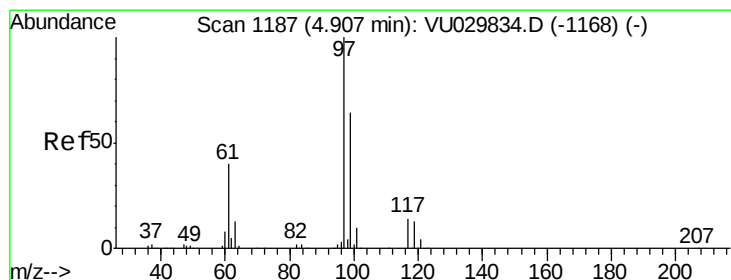
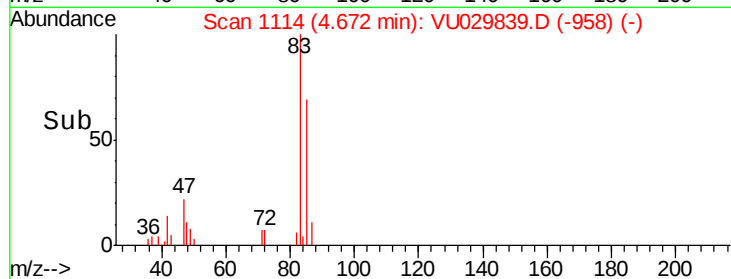
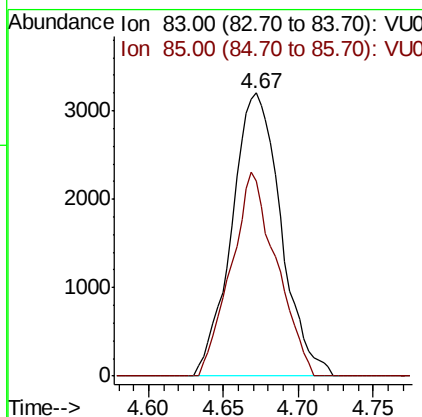
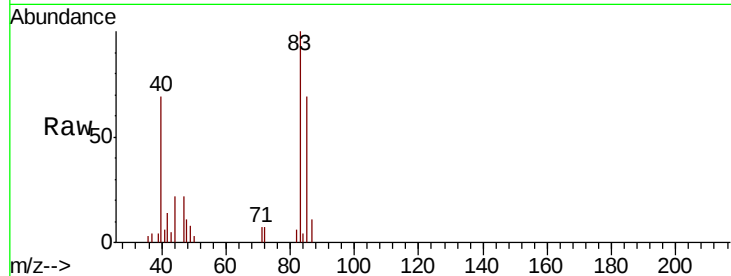
#27
Chloroform
Concen: 0.244 ug/l
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.0	0.0	133.2

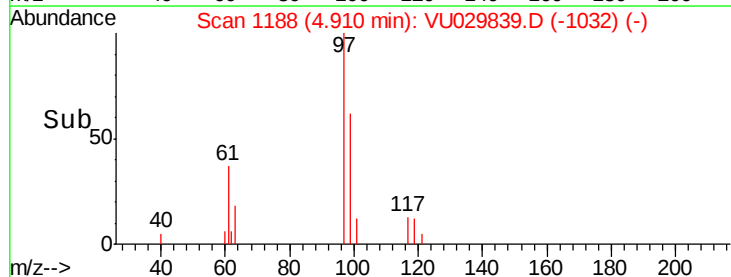
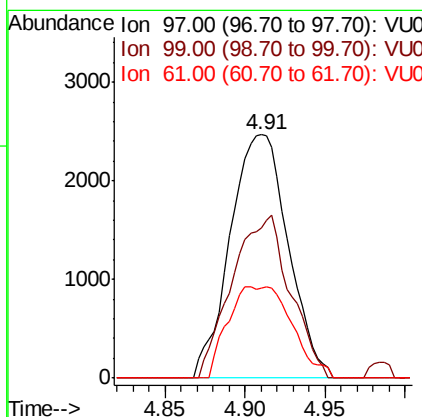
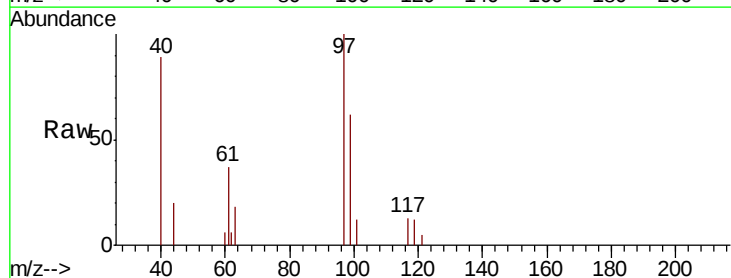
Manual Integrations
APPROVED

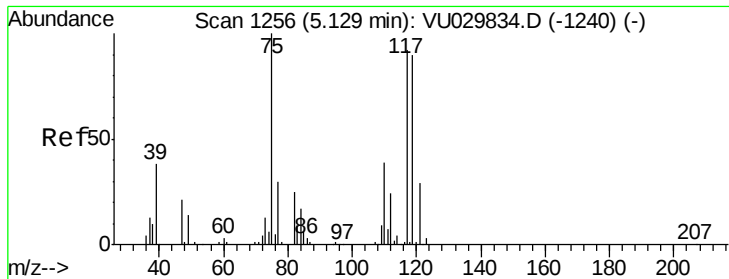
MMDadoda
3/11/2019 4:50:30 PM



#28
1,1,1-Trichloroethane
Concen: 0.241 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.2	31.9	95.9
61	19.1	20.4	61.3#





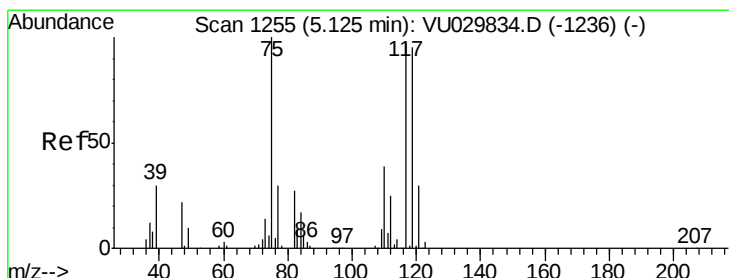
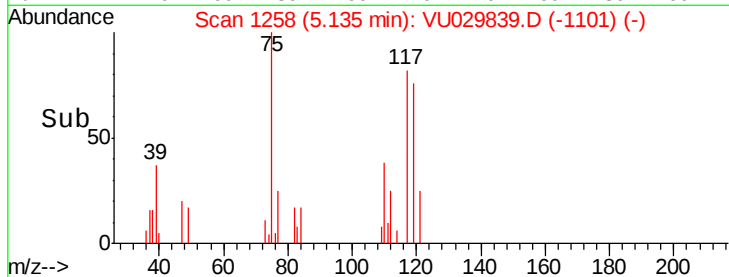
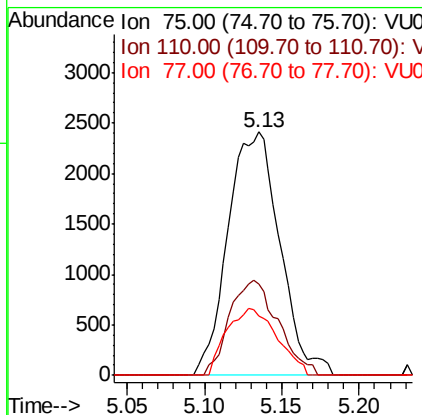
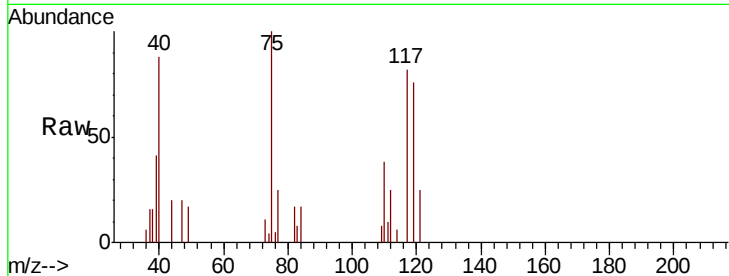
#29
 1,1-Dichloropropene
 Concen: 0.249 ug/l
 RT: 5.13 min Scan# 1258
 Delta R.T. 0.01 min
 Lab File: VU029839.D
 Acq: 06 Mar 2019 14:42

Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	19.1	57.5
77	26.7	23.9	35.9

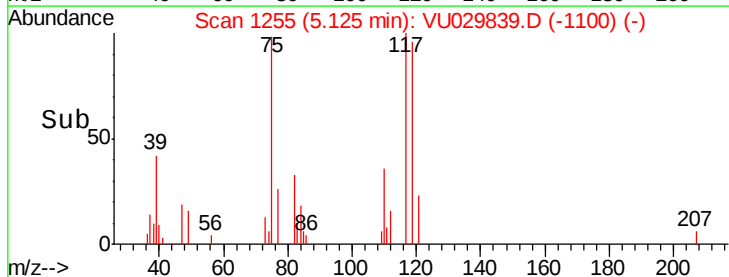
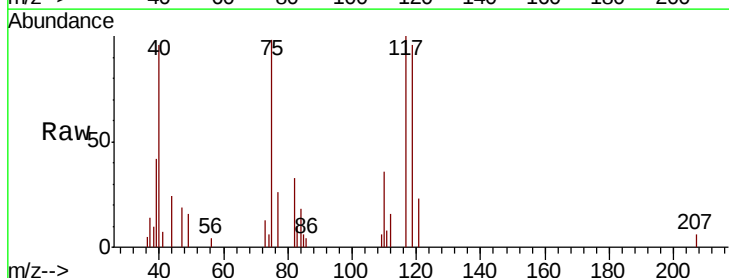
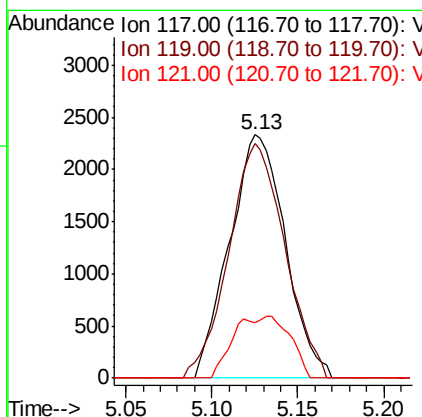
Manual Integrations
 APPROVED

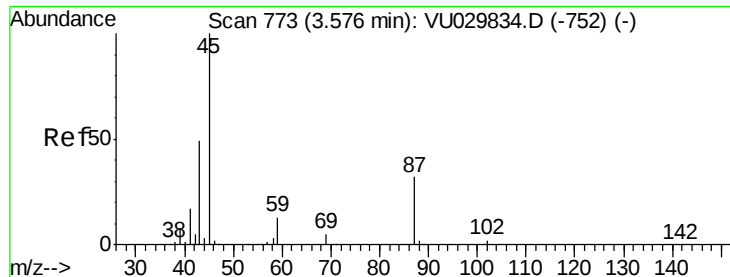
MMDadoda
 3/11/2019 4:50:30 PM



#30
 Carbon Tetrachloride
 Concen: 0.237 ug/l
 RT: 5.13 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VU029839.D
 Acq: 06 Mar 2019 14:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.4	117.6
121	22.8	25.0	37.4#





#31

Isopropyl Ether

Concen: 0.249 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion: 45 Resp: 10159

Ion Ratio Lower Upper

45 100

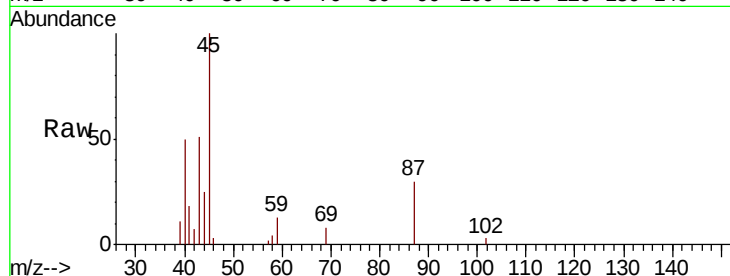
43 57.1 24.3 72.9

Manual Integrations

APPROVED

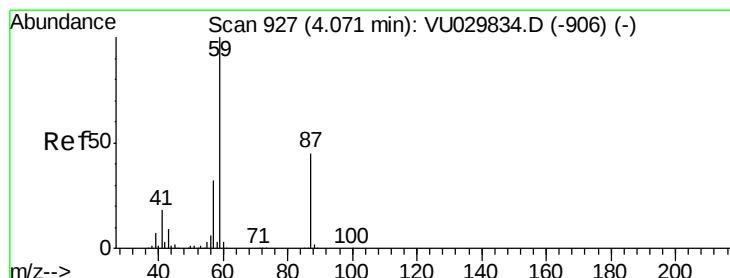
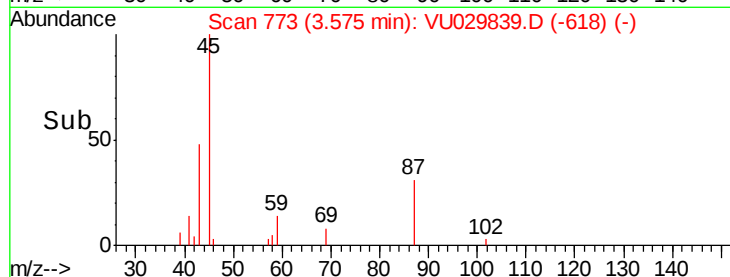
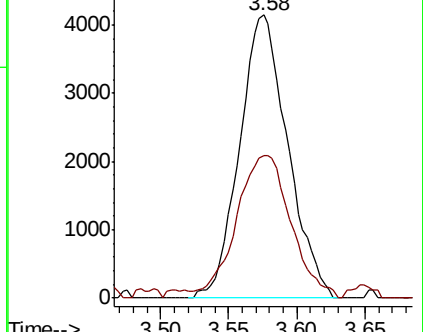
MMDadoda

3/11/2019 4:50:30 PM



Abundance Ion 45.00 (44.70 to 45.70): VU029834.D (-752) (-)

Ion 43.00 (42.70 to 43.70): VU029834.D (-752) (-)



#32

Ethyl-t-butyl ether

Concen: 0.255 ug/l

RT: 4.07 min Scan# 926

Delta R.T. -0.00 min

Lab File: VU029839.D

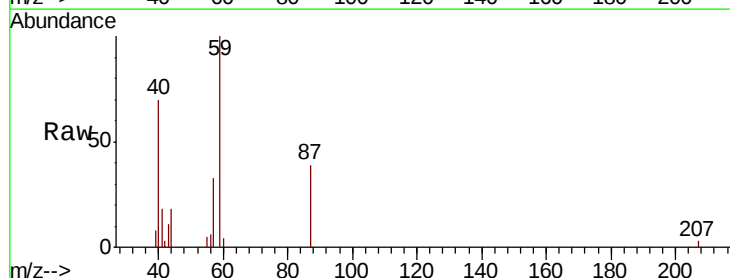
Acq: 06 Mar 2019 14:42

Tgt Ion: 59 Resp: 10131

Ion Ratio Lower Upper

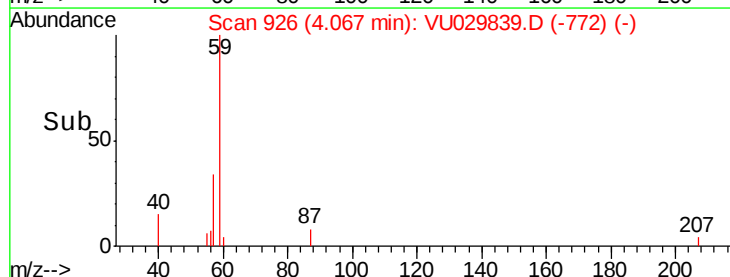
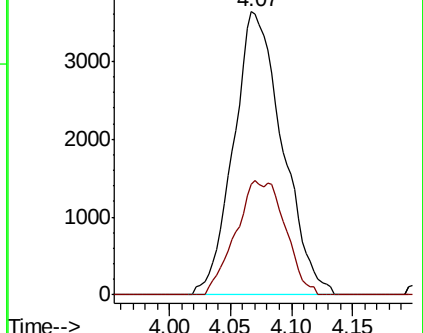
59 100

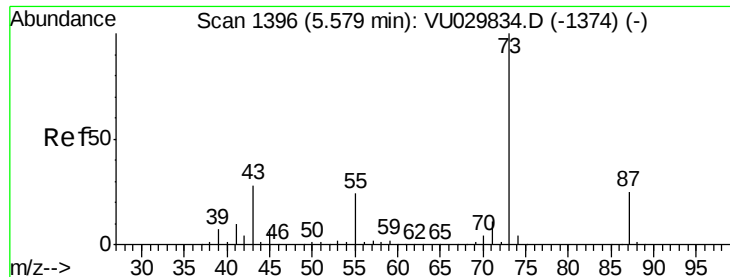
87 40.7 36.2 54.4



Abundance Ion 59.00 (58.70 to 59.70): VU029834.D (-906) (-)

Ion 87.00 (86.70 to 87.70): VU029834.D (-906) (-)





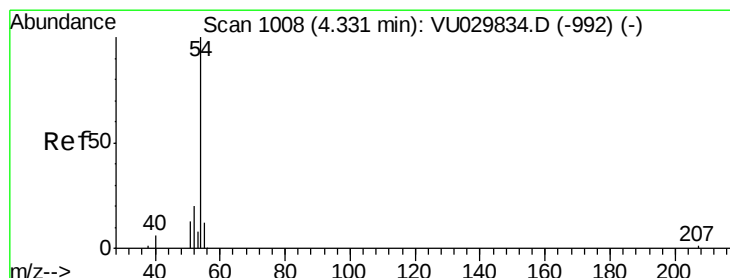
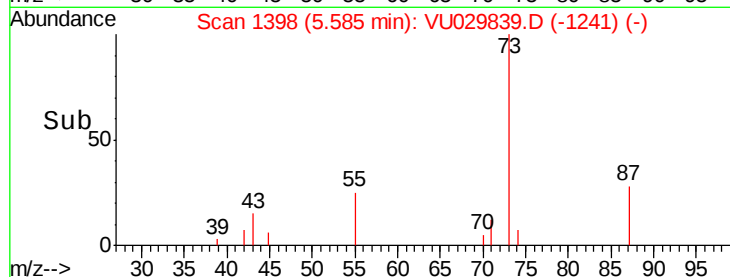
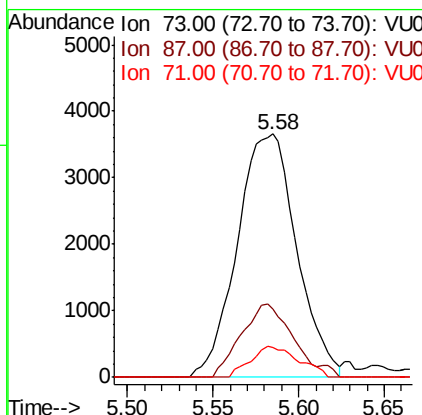
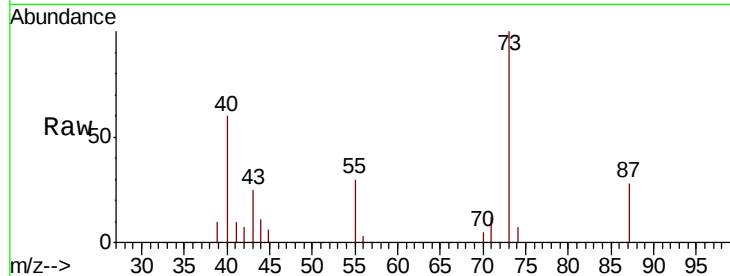
#33
Tert-Amyl methyl ether
Concen: 0.240 ug/l m
RT: 5.58 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tgt Ion	Ratio	Lower	Upper
73	100		
87	26.6	19.7	29.5
71	10.3	9.4	14.2

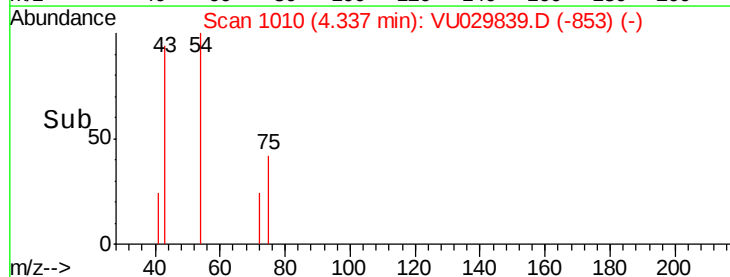
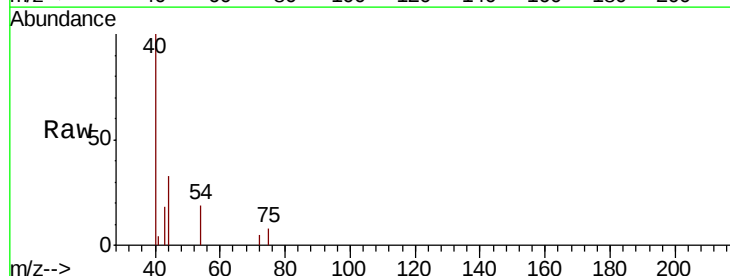
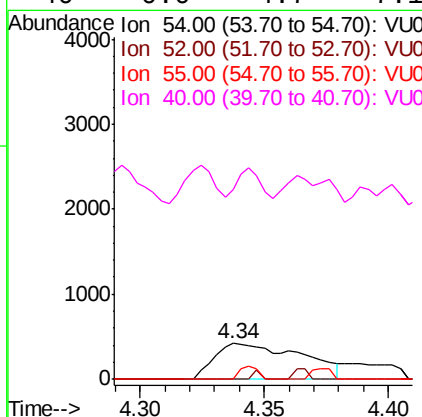
Manual Integrations
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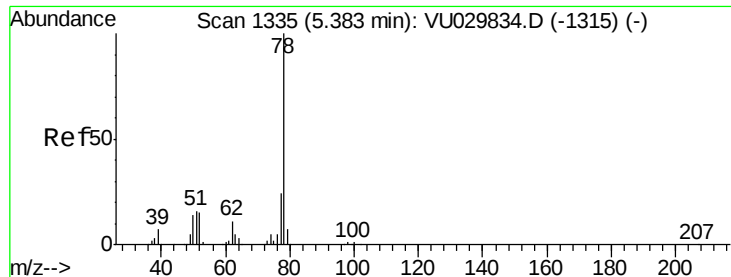
MMDadoda
3/11/2019 4:50:30 PM



#34
Propionitrile
Concen: 0.896 ug/l m
RT: 4.34 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Tgt Ion	Ratio	Lower	Upper
54	100		
52	0.0	16.1	24.1#
55	0.0	11.2	16.8#
40	0.0	4.7	7.1#





#35

Benzene

Concen: 0.256 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion: 78 Resp: 17028

Ion Ratio Lower Upper

78 100

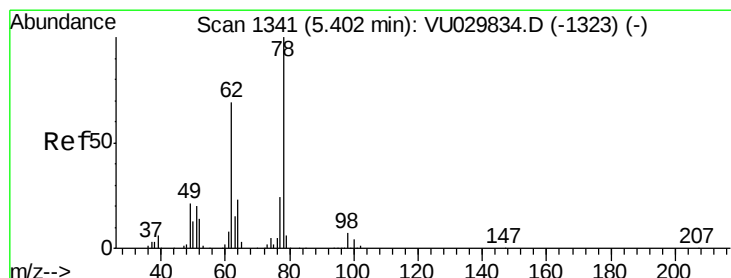
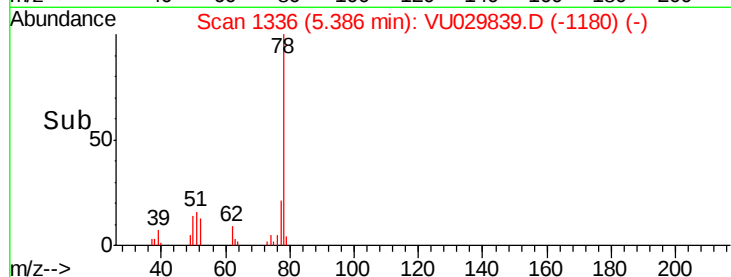
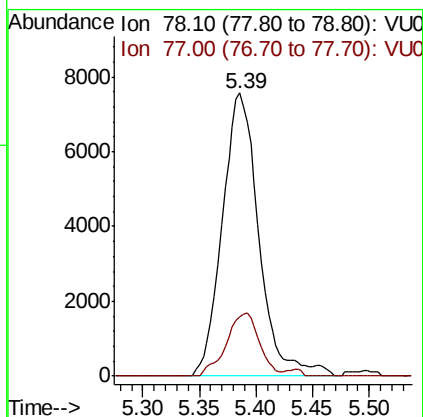
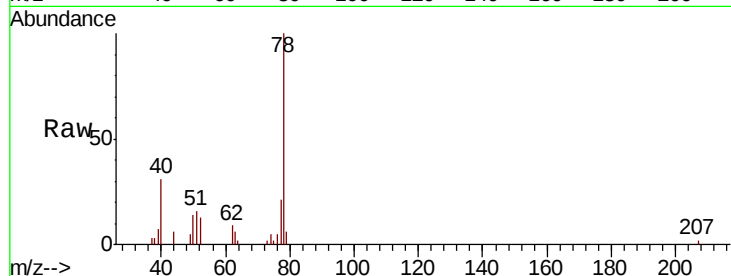
77 20.9 19.2 28.8

Manual Integrations

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MMDadoda

3/11/2019 4:50:30 PM



#36

1,2-Dichloroethane

Concen: 0.247 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029839.D

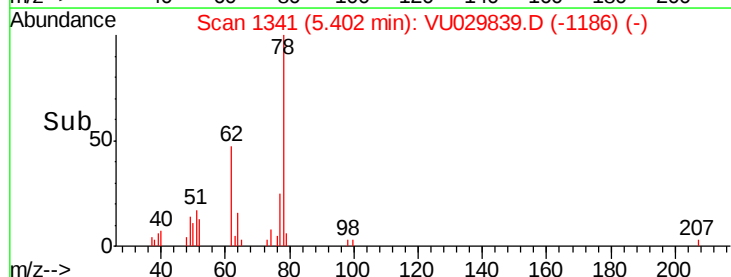
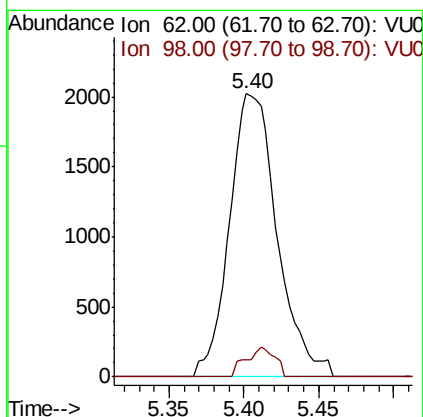
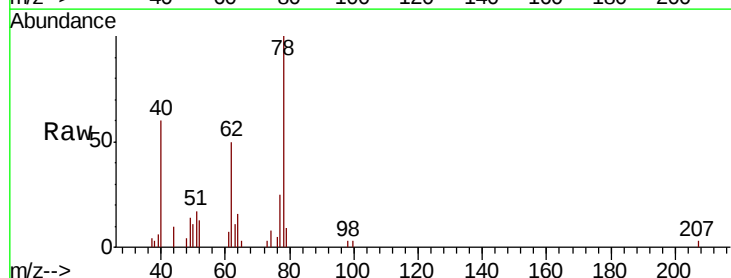
Acq: 06 Mar 2019 14:42

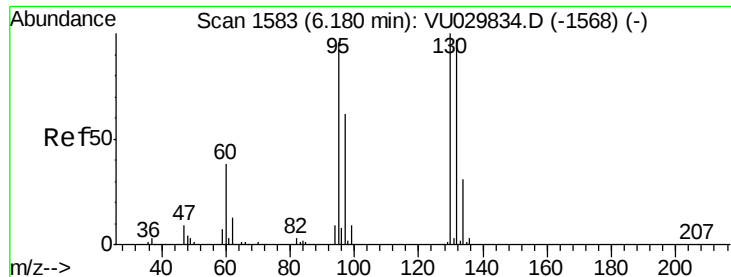
Tgt Ion: 62 Resp: 4496

Ion Ratio Lower Upper

62 100

98 6.3 8.2 12.2#





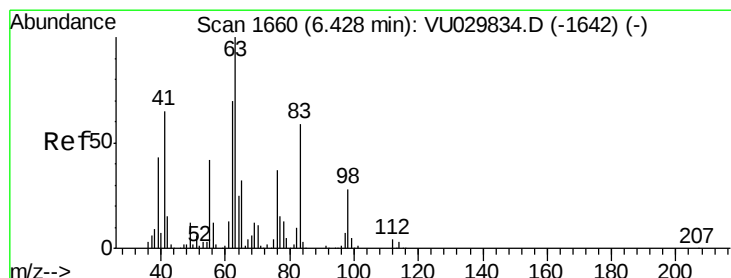
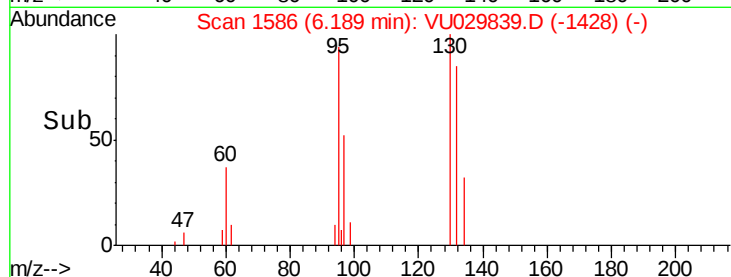
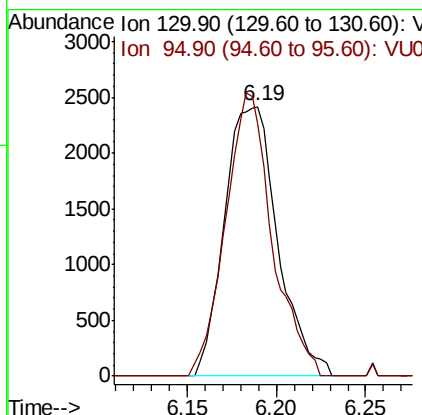
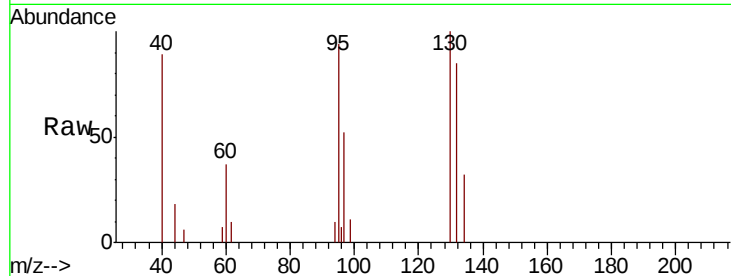
#37
 Trichloroethene
 Concen: 0.258 ug/l
 RT: 6.19 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VU029839.D
 Acq: 06 Mar 2019 14:42

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tgt Ion: 130 Resp: 5019
 Ion Ratio Lower Upper
 130 100
 95 93.8 76.6 114.8

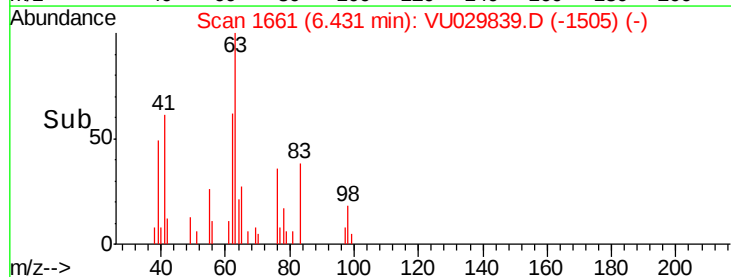
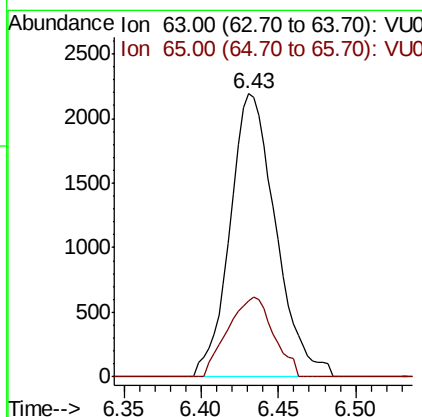
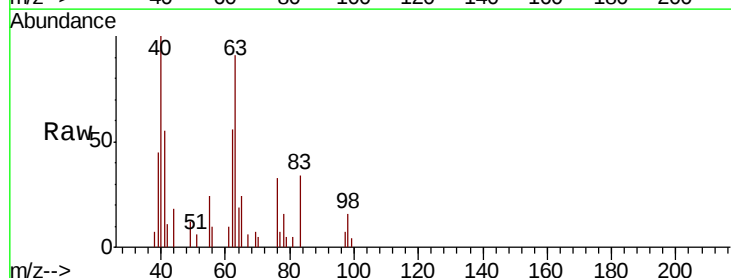
Manual Integrations
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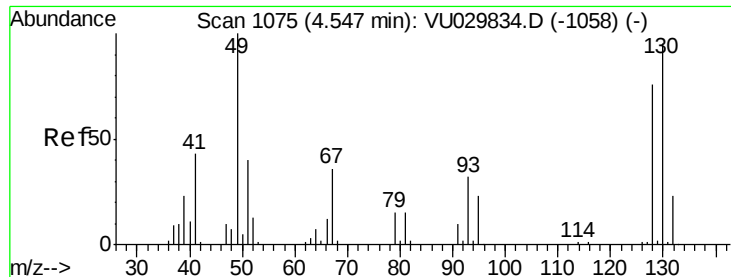
MMDadoda
 3/11/2019 4:50:30 PM



#38
 1,2-Dichloropropane
 Concen: 0.267 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029839.D
 Acq: 06 Mar 2019 14:42

Tgt Ion: 63 Resp: 4500
 Ion Ratio Lower Upper
 63 100
 65 26.8 25.4 38.2





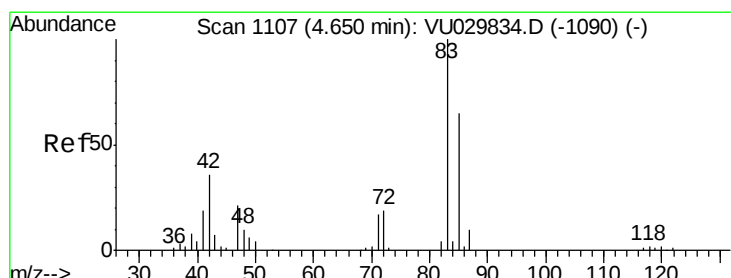
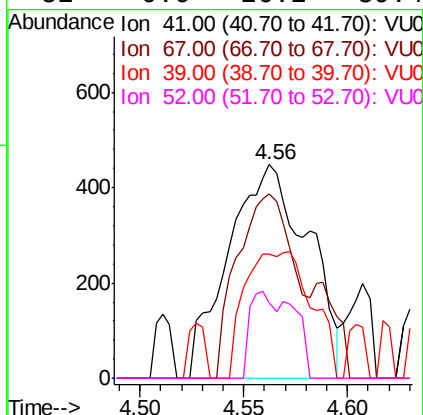
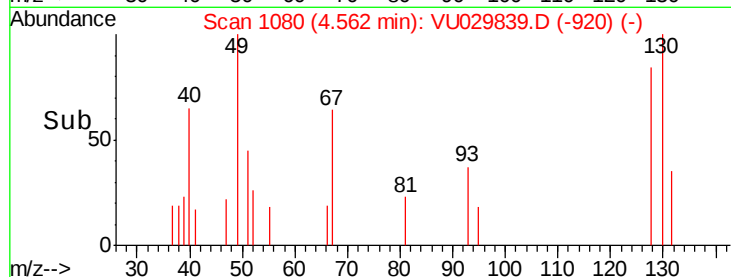
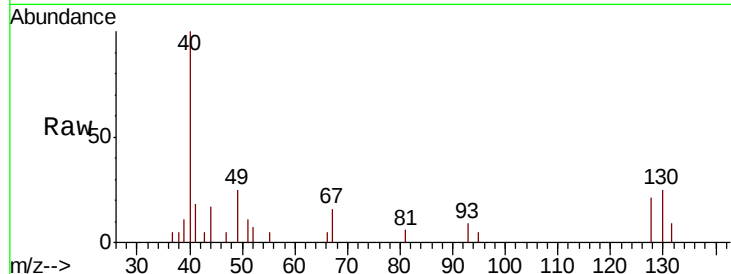
#39
Methacrylonitrile
Concen: 0.249 ug/l m
RT: 4.56 min Scan# 1080
Delta R.T. 0.02 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion	Ratio	Lower	Upper
41	100		
67	0.0	68.4	102.6#
39	0.0	42.6	63.8#
52	0.0	26.2	39.4#

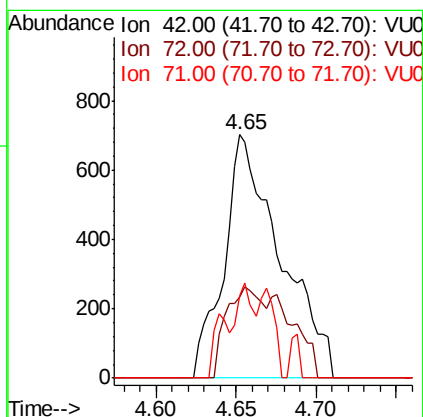
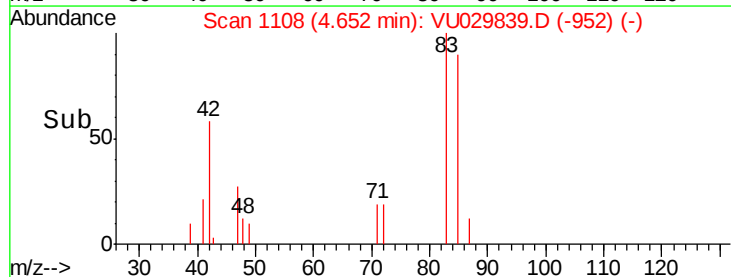
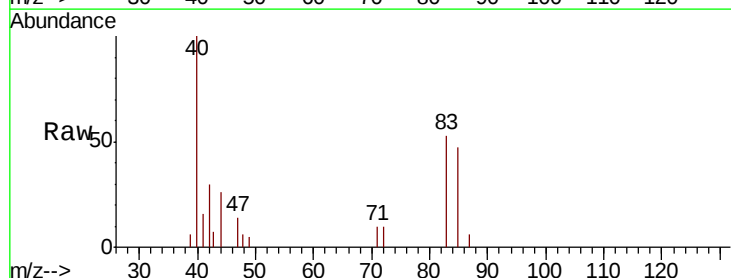
Manual Integrations
APPROVED

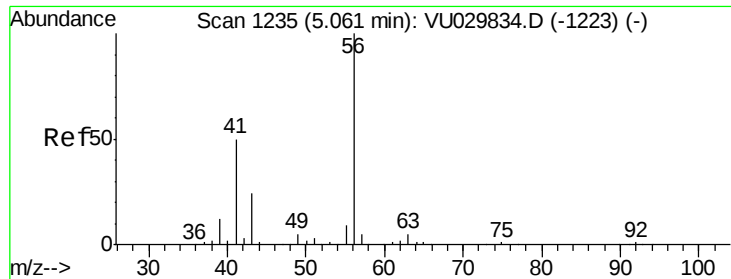
MMDadoda
3/11/2019 4:50:30 PM



#41
Tetrahydrofuran
Concen: 0.675 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Tgt Ion	Ratio	Lower	Upper
42	100		
72	24.3	43.6	65.4#
71	12.0	37.5	56.3#





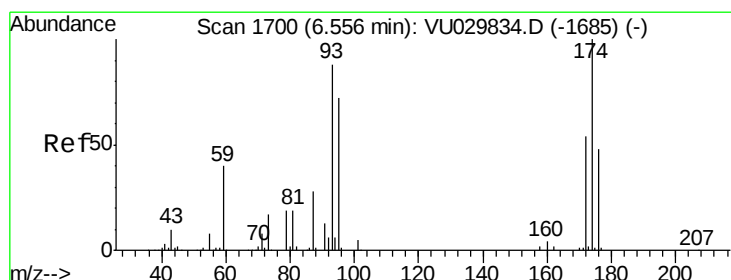
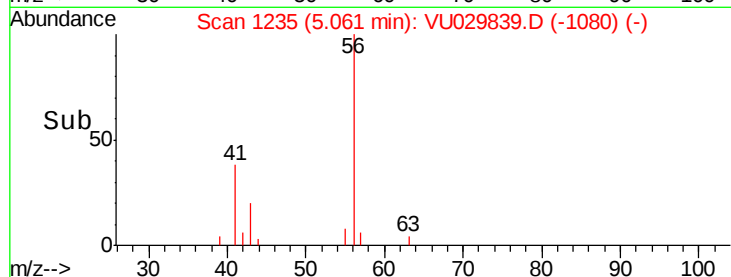
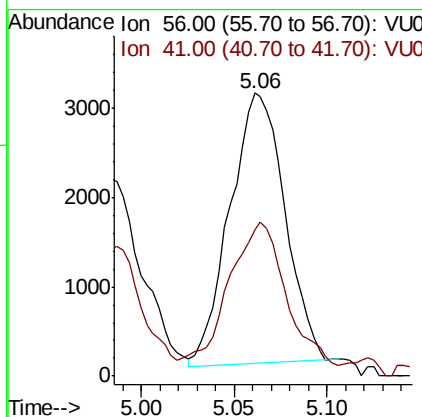
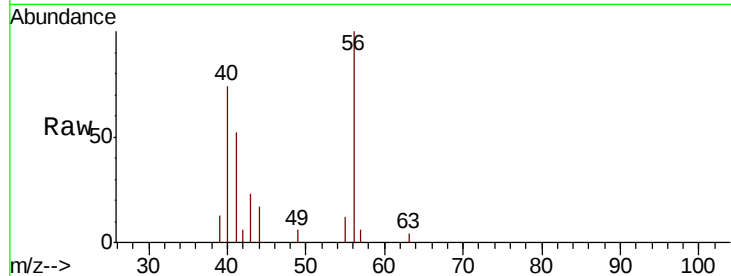
#42
1-Chlorobutane
Concen: 0.218 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tgt Ion: 56 Resp: 6291
Ion Ratio Lower Upper
56 100
41 63.2 25.0 75.0

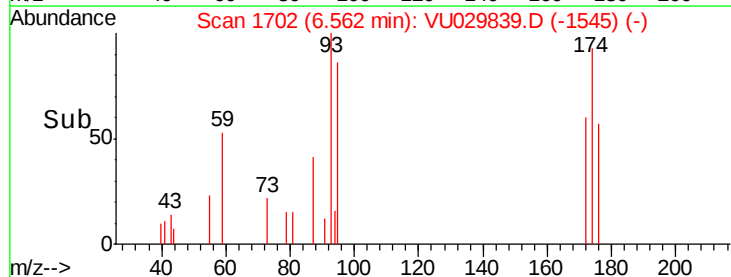
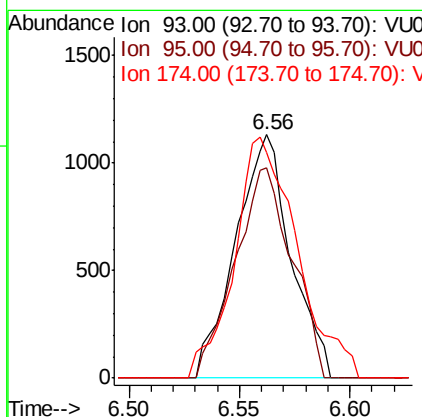
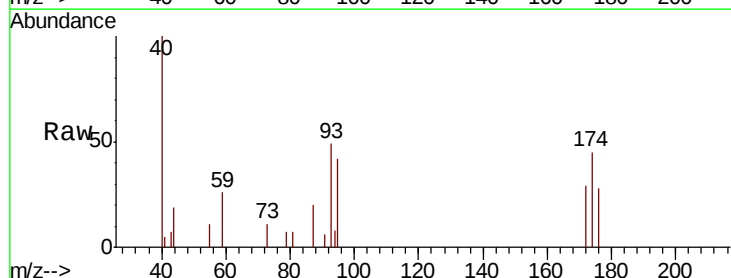
Manual Integrations
APPROVED

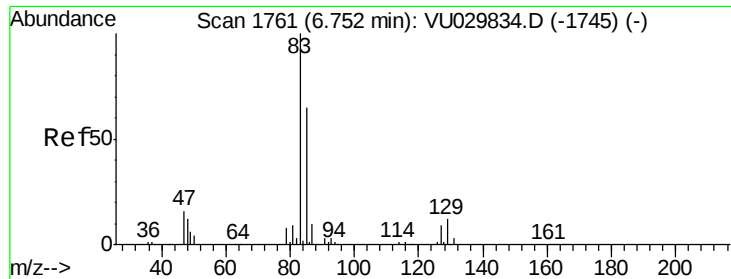
MMDadoda
3/11/2019 4:50:30 PM



#43
Dibromomethane
Concen: 0.226 ug/l
RT: 6.56 min Scan# 1702
Delta R.T. 0.01 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Tgt Ion: 93 Resp: 1972
Ion Ratio Lower Upper
93 100
95 88.8 67.0 100.6
174 112.2 91.4 137.2





#44

Bromodichloromethane

Concen: 0.241 ug/l

RT: 6.76 min Scan# 1763

Delta R.T. 0.01 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

Instrument :

MSVOA_U

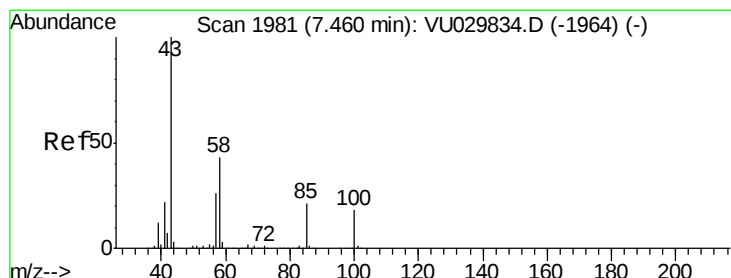
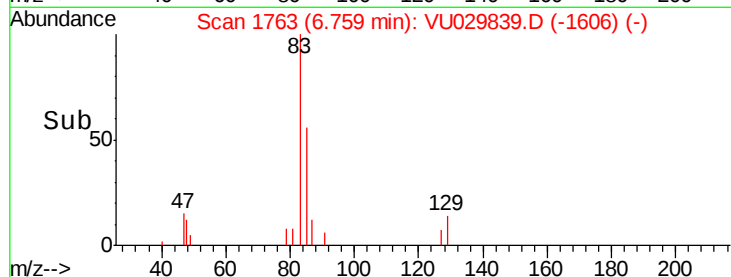
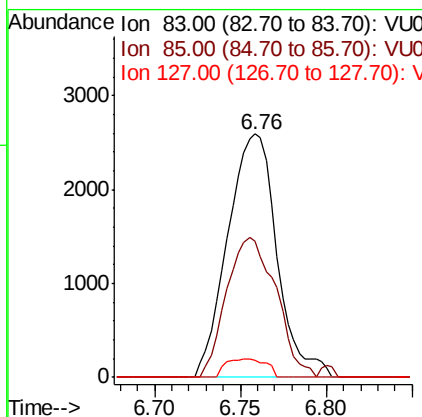
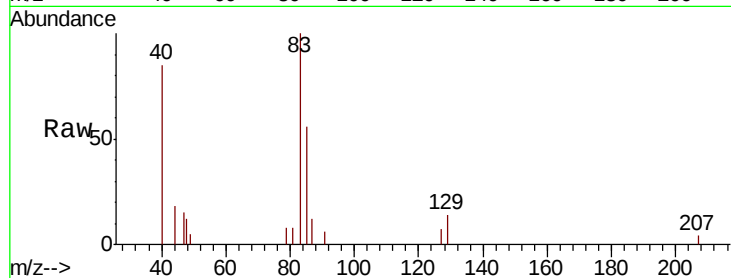
ClientSampleId :

MDL02

Tgt Ion:	83	Resp:	5162
Ion	Ratio	Lower	Upper
83	100		
85	55.8	51.7	77.5
127	6.9	7.4	11.2#

Manual Integrations
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#45

4-Methyl-2-Pentanone

Concen: 1.196 ug/l

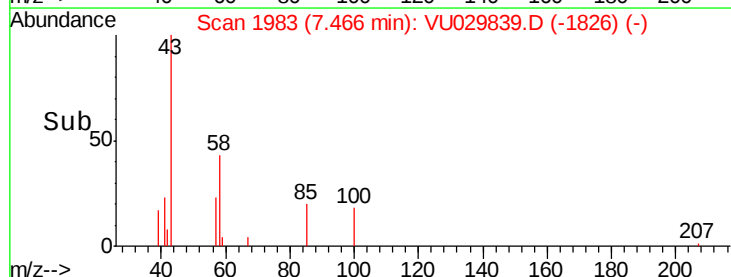
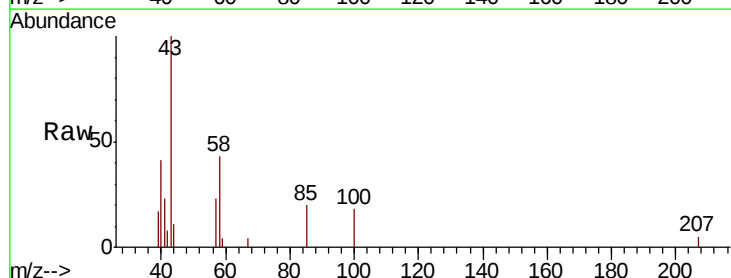
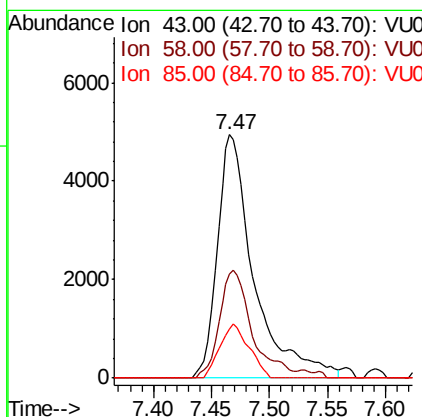
RT: 7.47 min Scan# 1983

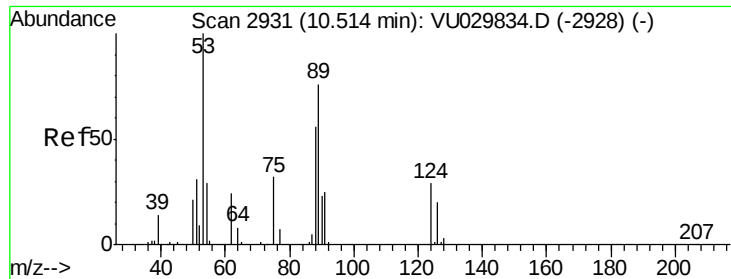
Delta R.T. 0.01 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

Tgt Ion:	43	Resp:	10887
Ion	Ratio	Lower	Upper
43	100		
58	39.2	21.6	65.0
85	17.6	16.5	24.7





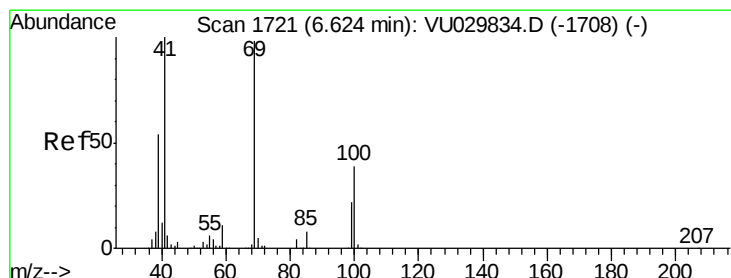
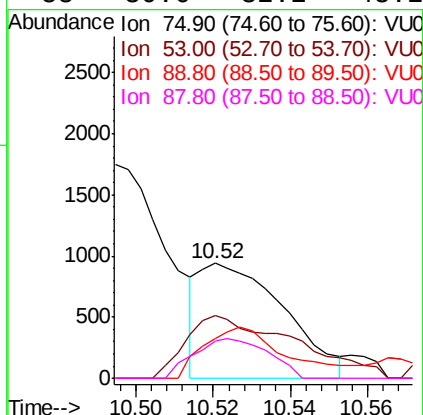
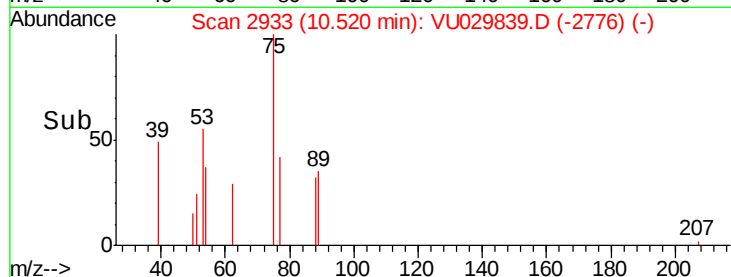
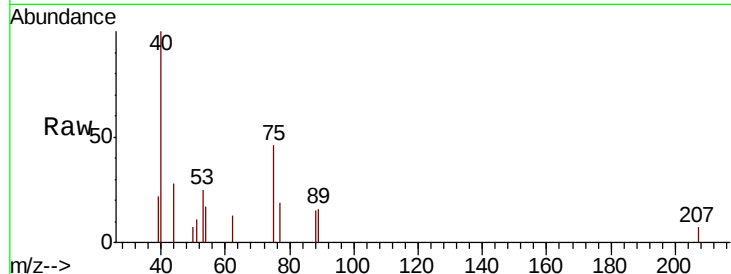
#46
t-1,4-Dichloro-2-butene
Concen: 0.373 ug/l m
RT: 10.52 min Scan# 2933
Delta R.T. 0.01 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tgt Ion	Ratio	Lower	Upper
75	100		
53	70.9	59.2	88.8
89	45.5	44.9	67.3
88	30.6	32.2	48.2

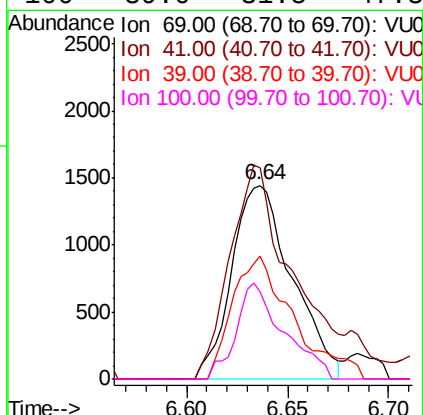
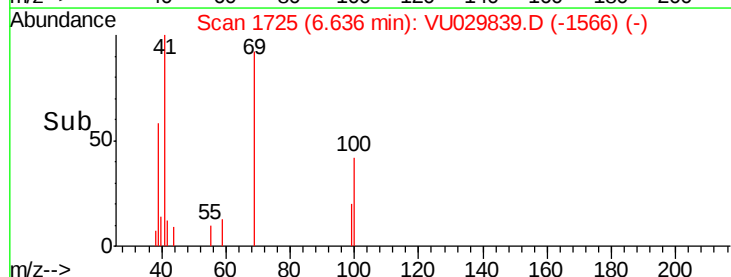
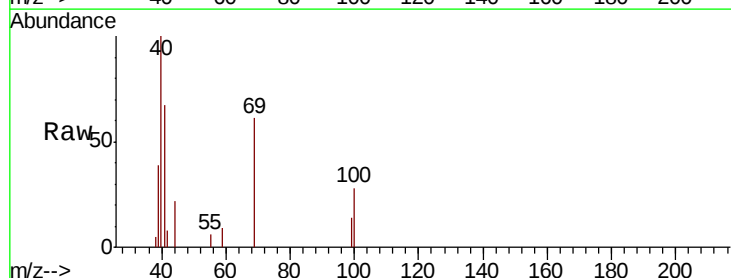
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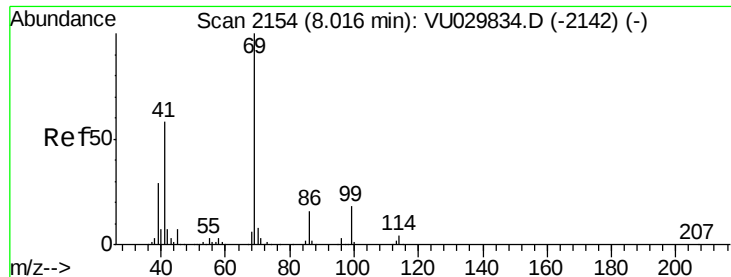
MMDadoda
3/11/2019 4:50:30 PM



#47
Methyl methacrylate
Concen: 0.404 ug/l
RT: 6.64 min Scan# 1725
Delta R.T. 0.01 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Tgt Ion	Ratio	Lower	Upper
69	100		
41	124.3	0.0	201.0
39	63.7	43.3	64.9
100	39.0	31.5	47.3





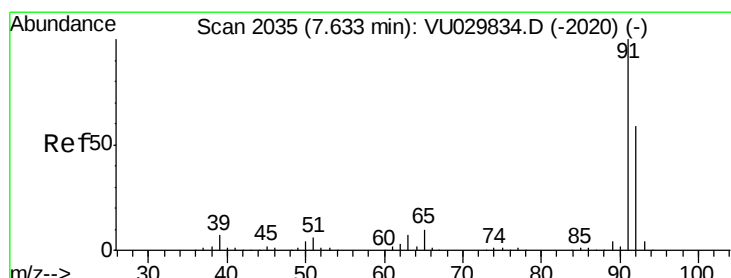
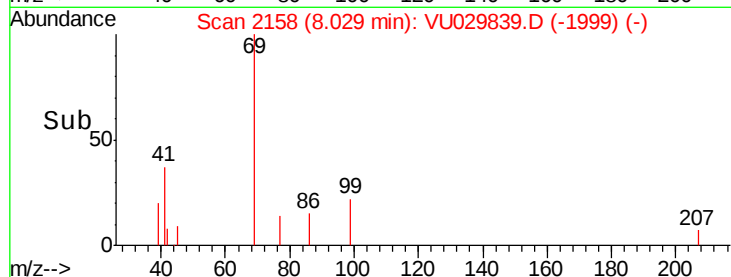
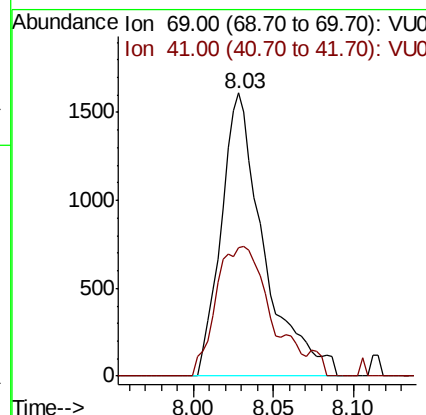
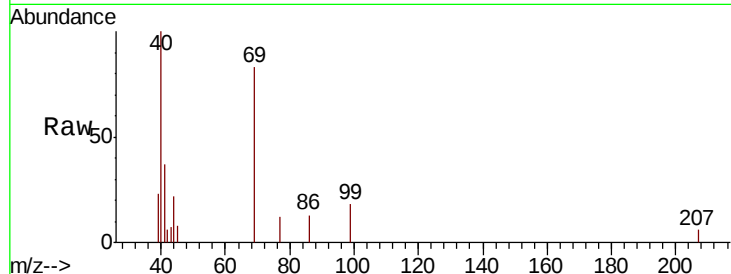
#48
Ethyl methacrylate
Concen: 0.206 ug/l
RT: 8.03 min Scan# 2158
Delta R.T. 0.01 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 69 Resp: 2953
Ion Ratio Lower Upper
69 100
41 58.4 29.0 87.1

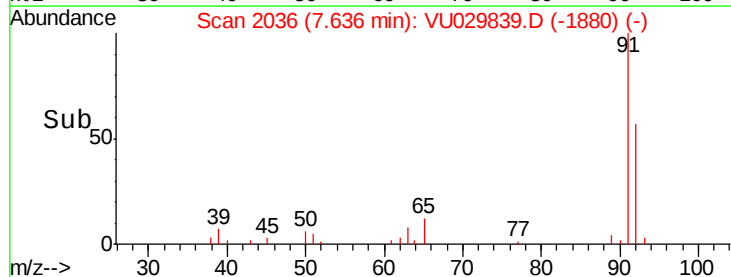
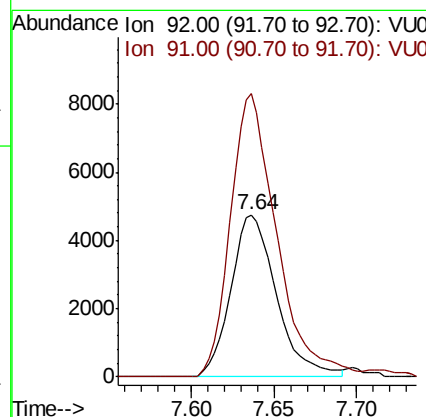
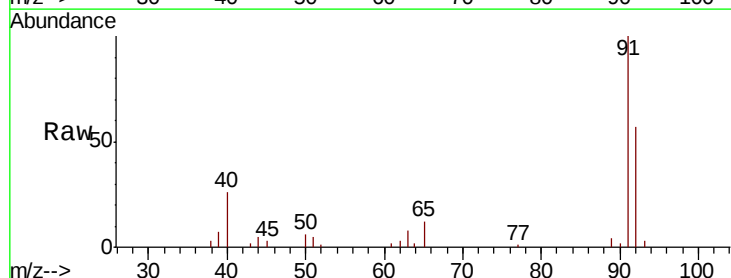
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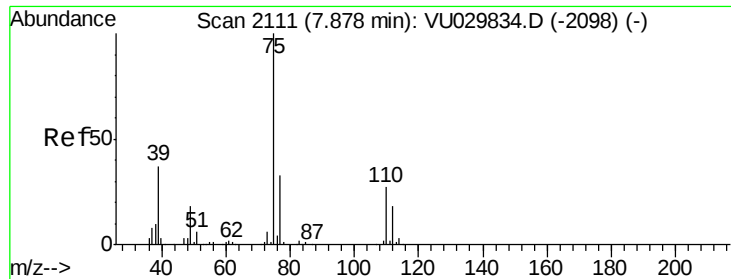
MMDadoda
3/11/2019 4:50:30 PM



#49
Toluene
Concen: 0.222 ug/l
RT: 7.64 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Tgt Ion: 92 Resp: 9078
Ion Ratio Lower Upper
92 100
91 176.9 137.8 206.8





#50

t-1,3-Dichloropropene

Concen: 0.209 ug/l

RT: 7.89 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion: 75 Resp: 3921

Ion Ratio Lower Upper

75 100

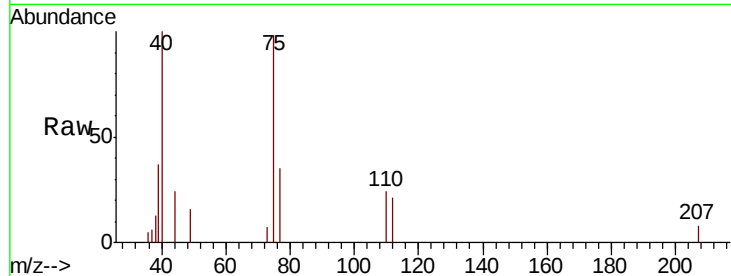
77 35.3 26.4 39.6

Manual Integrations

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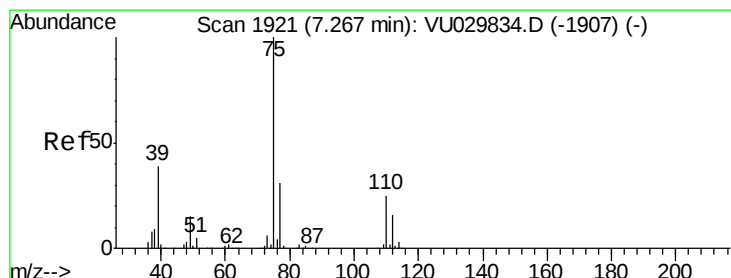
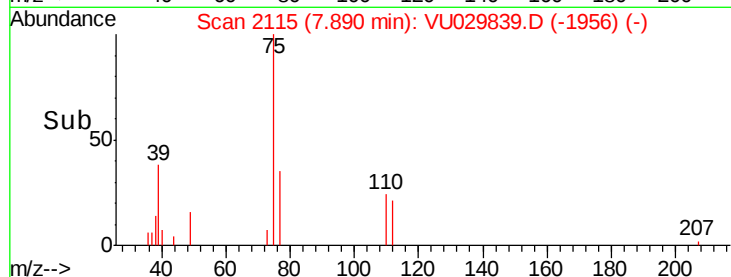
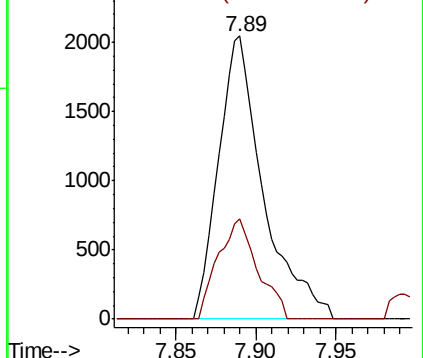
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Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#51

cis-1,3-Dichloropropene

Concen: 0.237 ug/l

RT: 7.27 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

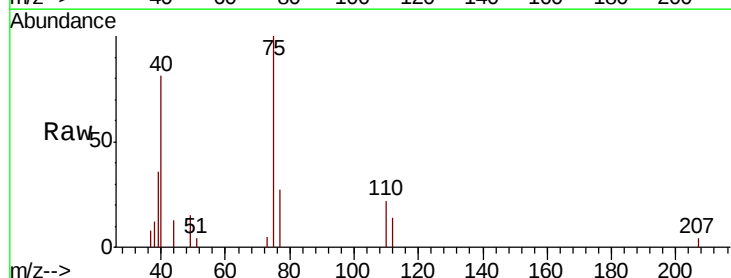
Tgt Ion: 75 Resp: 5502

Ion Ratio Lower Upper

75 100

77 26.9 24.9 37.3

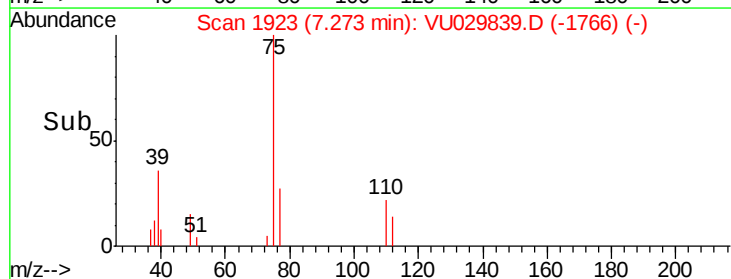
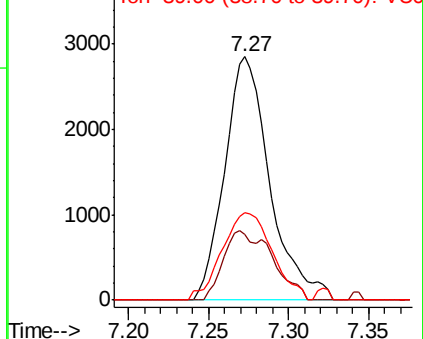
39 36.0 30.8 46.2

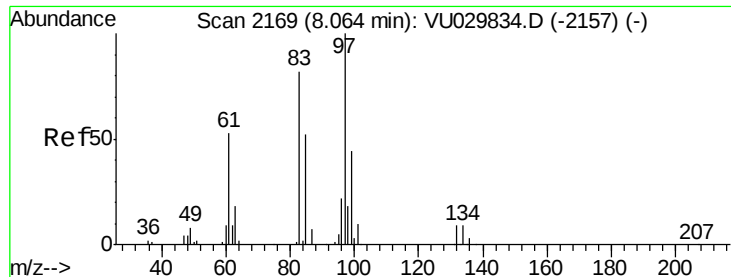


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





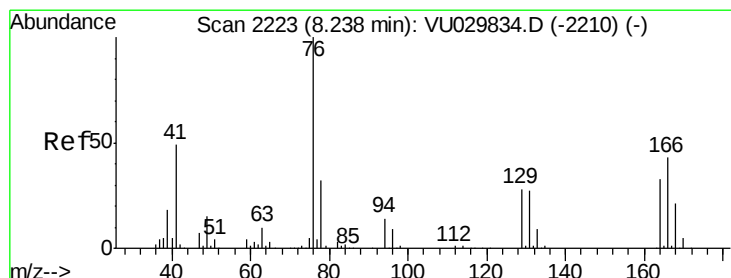
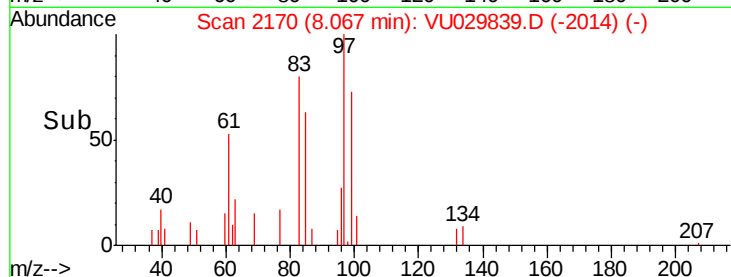
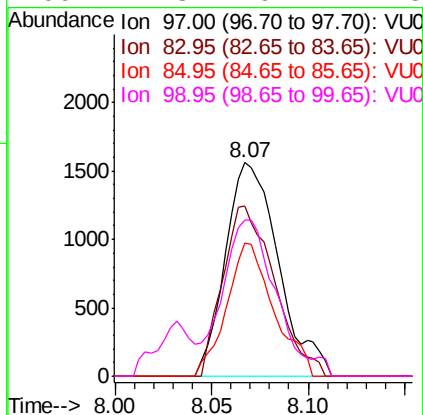
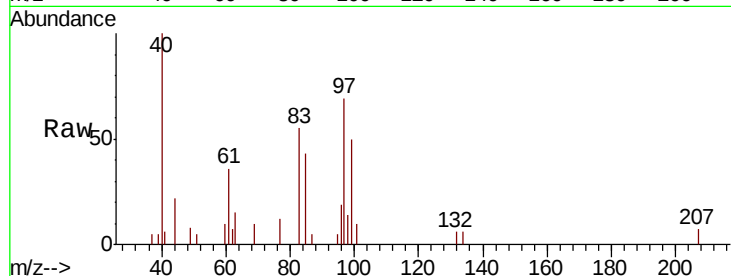
#52
 1,1,2-Trichloroethane
 Concen: 0.231 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU029839.D
 Acq: 06 Mar 2019 14:42

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tgt Ion:	97	Resp:	2982
Ion	Ratio	Lower	Upper
97	100		
83	79.9	65.9	98.9
85	62.6	43.0	64.6
99	72.8	49.7	74.5

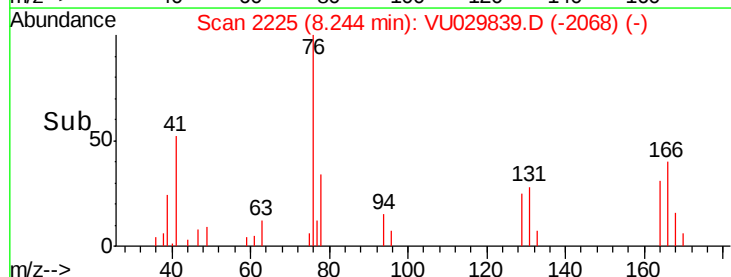
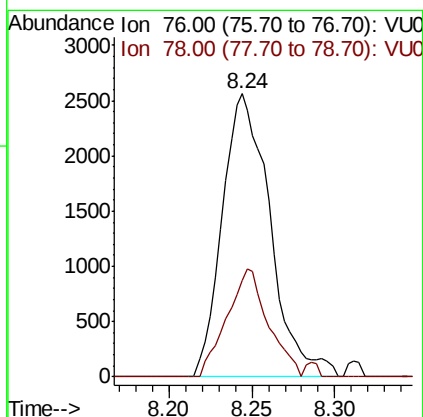
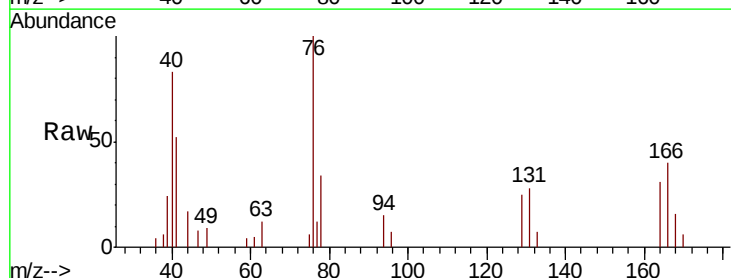
Manual Integrations
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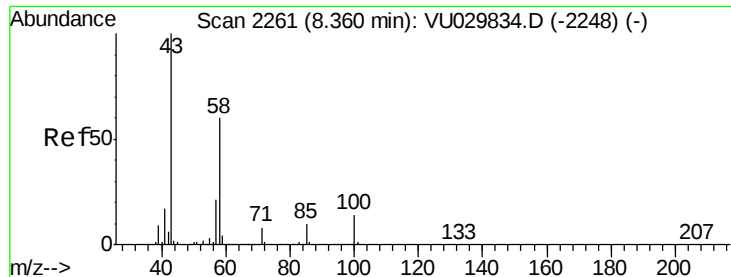
MMDadoda
 3/11/2019 4:50:30 PM



#53
 1,3-Dichloropropane
 Concen: 0.242 ug/l
 RT: 8.24 min Scan# 2225
 Delta R.T. 0.01 min
 Lab File: VU029839.D
 Acq: 06 Mar 2019 14:42

Tgt Ion:	76	Resp:	5118
Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.7	38.5





#54

2-Hexanone

Concen: 1.095 ug/l

RT: 8.38 min Scan# 2266

Delta R.T. 0.02 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

Instrument :

MSVOA_U

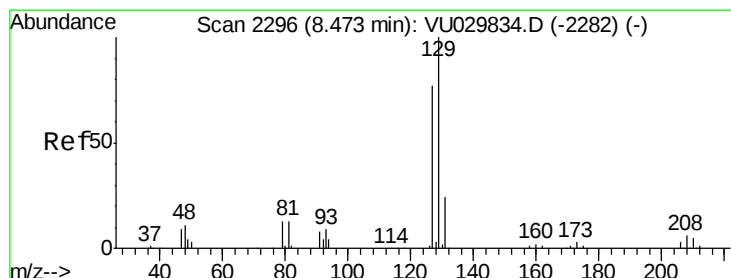
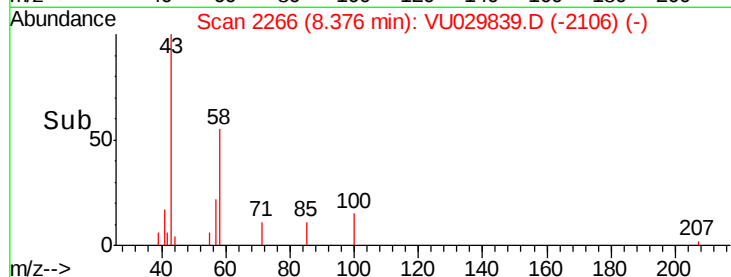
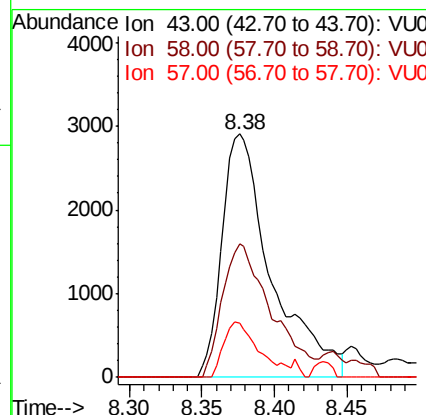
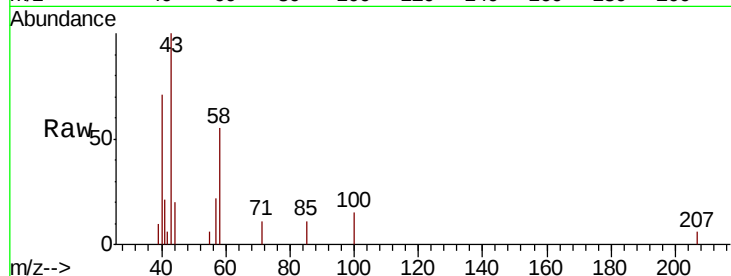
ClientSampleId :

MDL02

Tgt Ion:	43	Resp:	6925
Ion	Ratio	Lower	Upper
43	100		
58	53.7	39.6	79.6
57	17.2	0.5	40.5

Manual Integrations
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3/11/2019 4:50:30 PM



#55

Dibromochloromethane

Concen: 0.214 ug/l

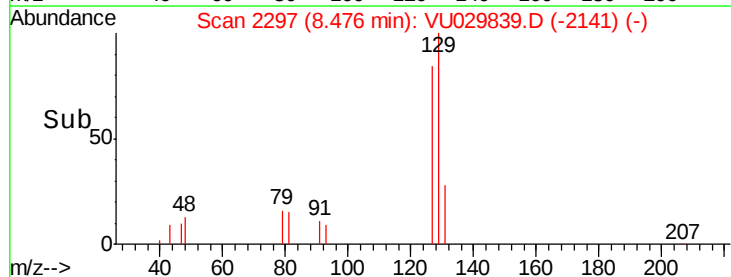
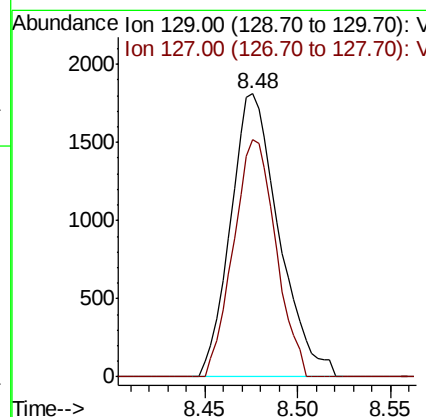
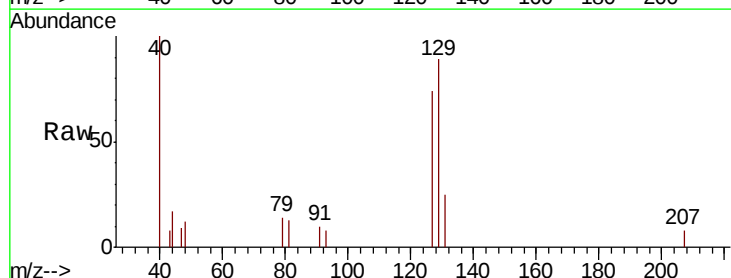
RT: 8.48 min Scan# 2297

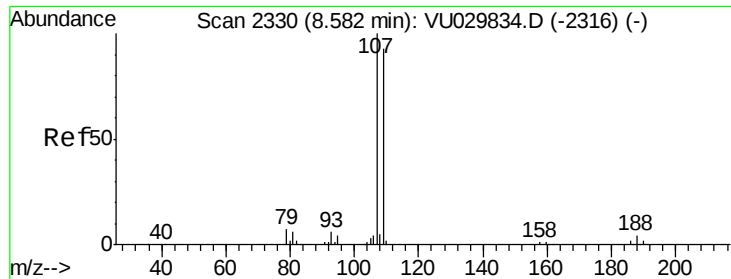
Delta R.T. 0.00 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

Tgt Ion:	129	Resp:	3288
Ion	Ratio	Lower	Upper
129	100		
127	73.4	61.6	92.4





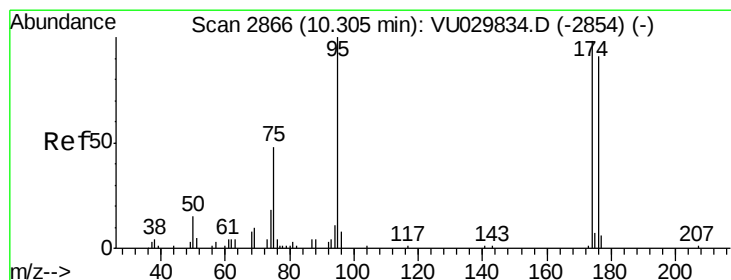
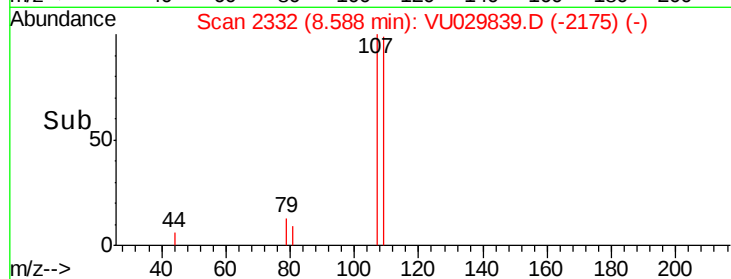
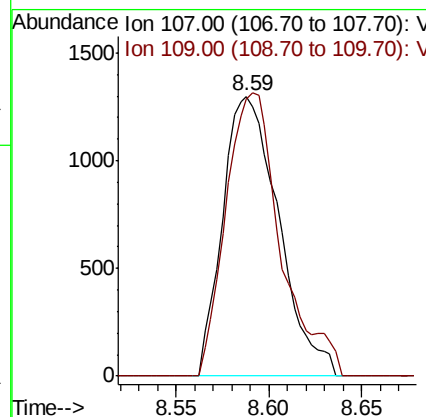
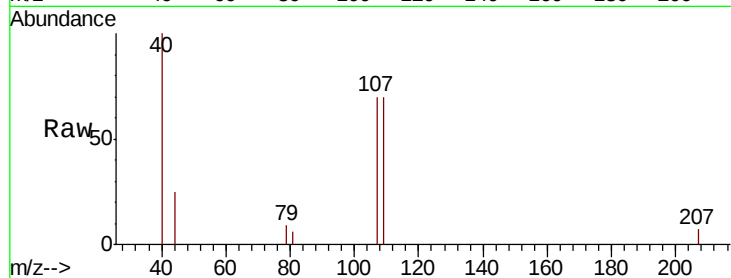
#56
1,2-Dibromoethane
Concen: 0.222 ug/l
RT: 8.59 min Scan# 2332
Delta R.T. 0.01 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	2723		
109	99.2	0.0	188.4	

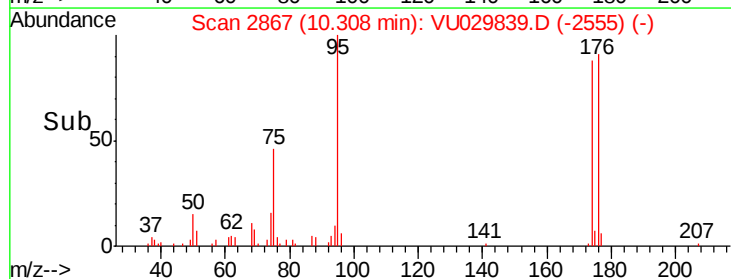
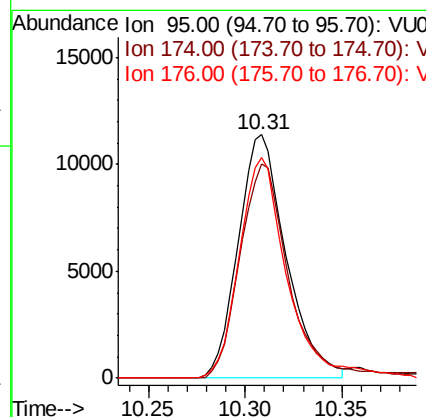
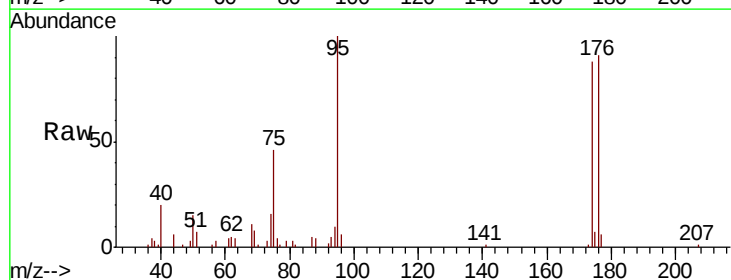
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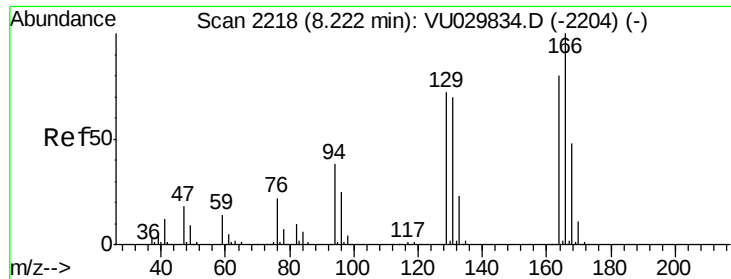
MMDadoda
3/11/2019 4:50:30 PM



#57
4-Bromofluorobenzene
Concen: 0.222 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	19580		
174	89.8	76.5	114.7	
176	91.1	74.2	111.2	





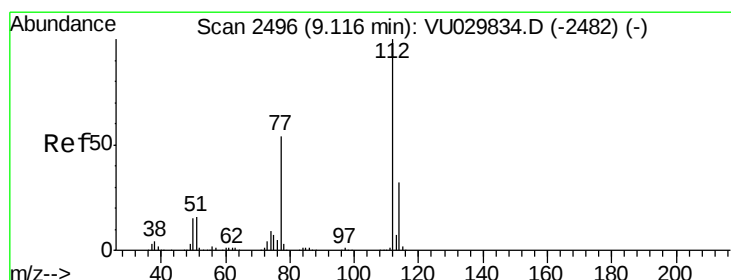
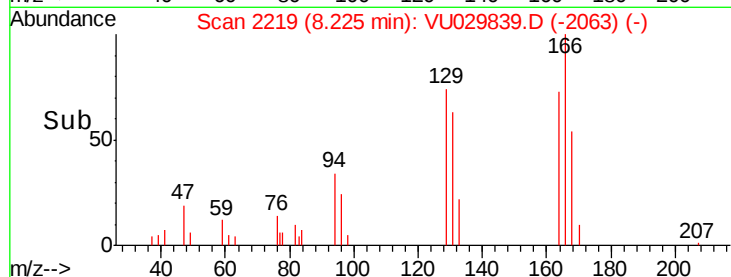
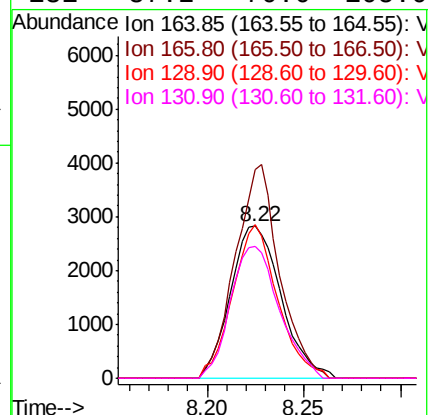
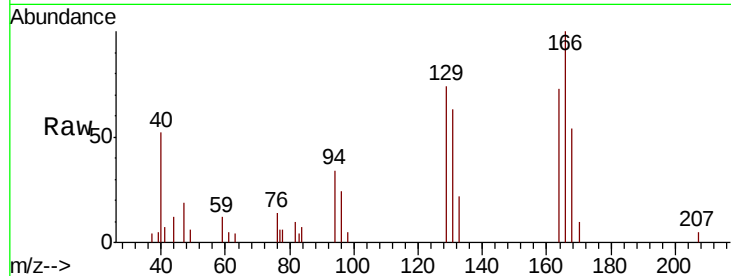
#58
Tetrachloroethene
Concen: 0.259 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	137.7	100.5	150.7
129	101.2	72.3	108.5
131	87.2	70.0	105.0

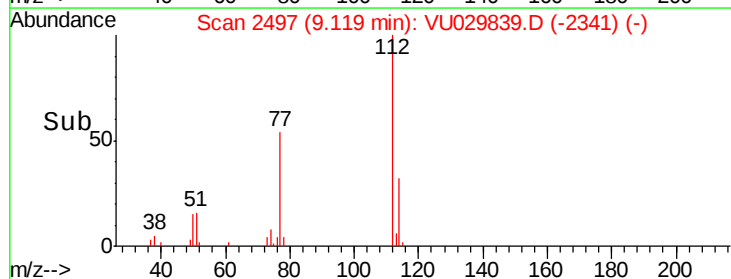
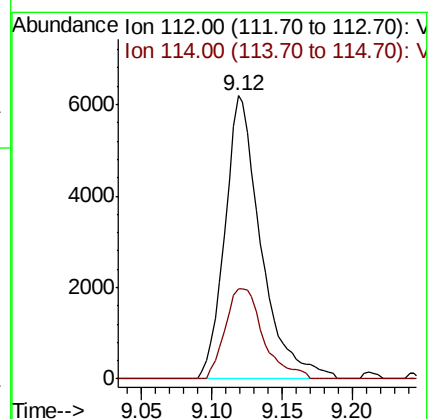
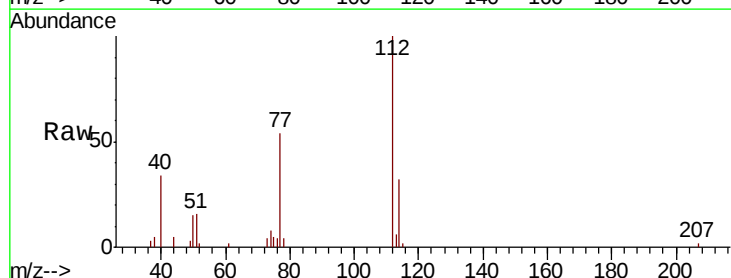
Manual Integrations
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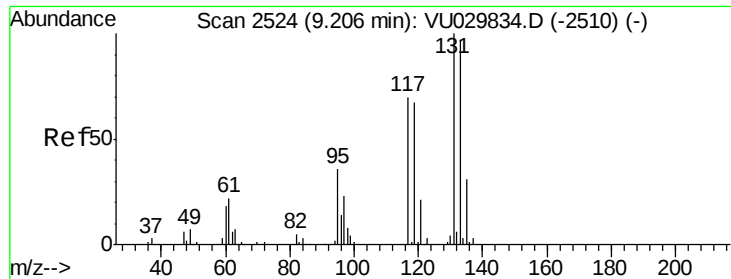
MMDadoda
3/11/2019 4:50:30 PM



#59
Chlorobenzene
Concen: 0.235 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.4	38.2





#60

1,1,1,2-Tetrachloroethane

Concen: 0.227 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. -0.00 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

Instrument :

MSVOA_U

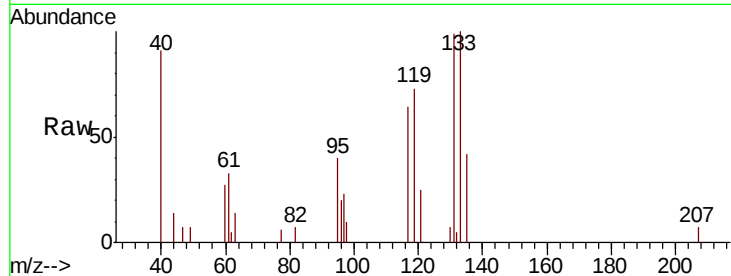
ClientSampleId :

MDL02

Tgt Ion:	131	Resp:	3823
Ion Ratio	Lower	Upper	
131	100		
133	92.4	76.4	114.6
119	65.8	54.2	81.4

Manual Integrations
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3/11/2019 4:50:30 PM

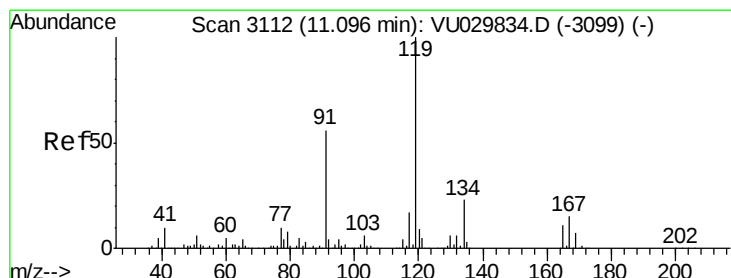
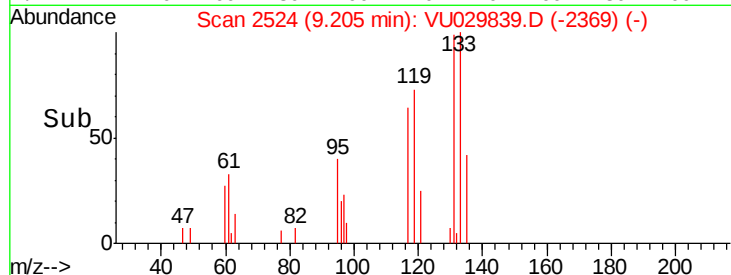
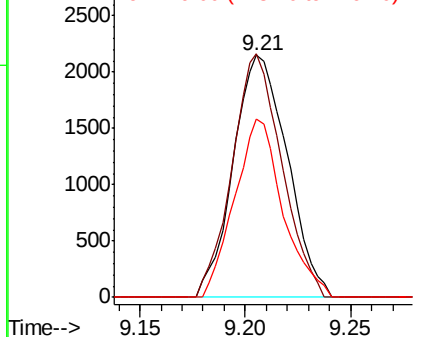


Abundance

Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#61

Pentachloroethane

Concen: 0.228 ug/l

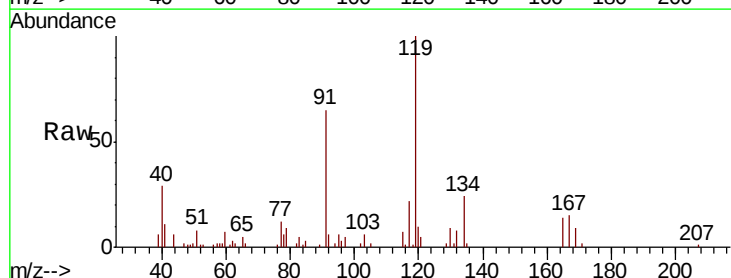
RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

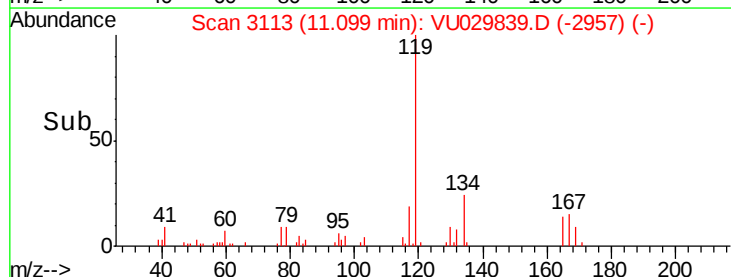
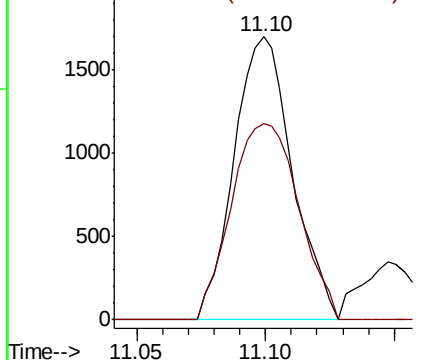
Tgt Ion:	117	Resp:	2672
Ion Ratio	Lower	Upper	
117	100		
167	80.5	71.4	107.2

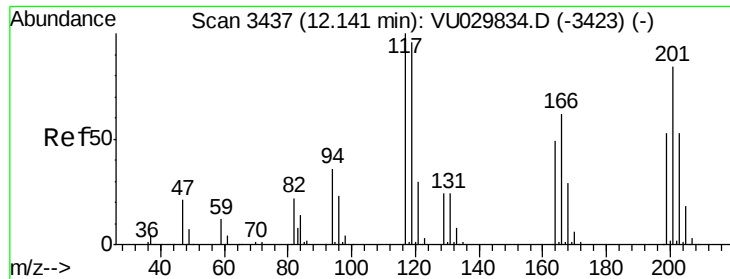


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V





#62

Hexachloroethane

Concen: 0.206 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. -0.00 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

Instrument :

MSVOA_U

ClientSampled :

MDL02

Tgt Ion: 117 Resp: 2537

Ion Ratio Lower Upper

117 100

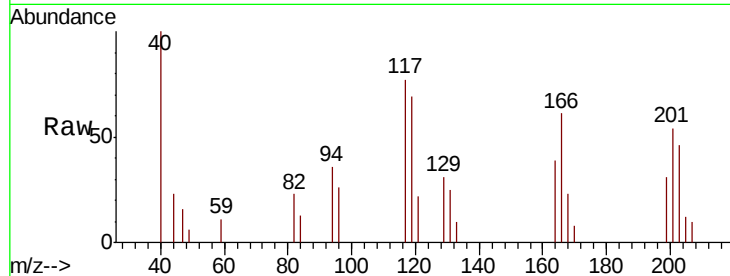
201 75.2 68.2 102.2

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

12.14

1500

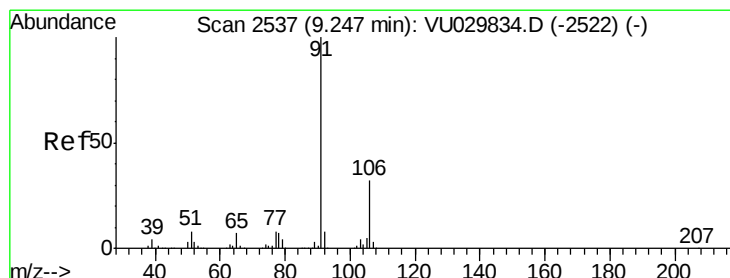
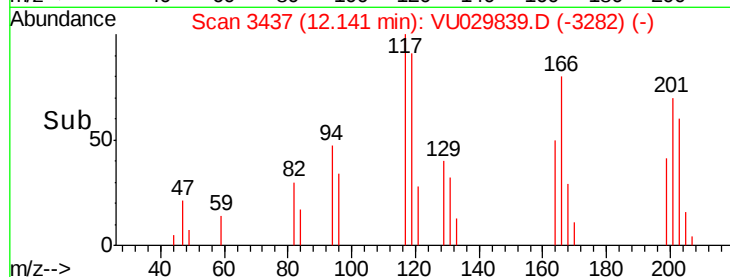
1000

500

0

Time-->

12.10 12.15



#63

Ethyl Benzene

Concen: 0.217 ug/l

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU029839.D

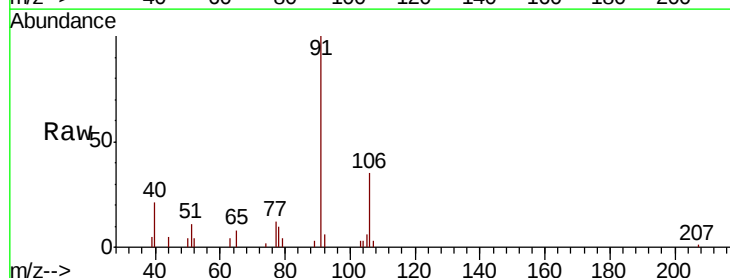
Acq: 06 Mar 2019 14:42

Tgt Ion: 91 Resp: 16667

Ion Ratio Lower Upper

91 100

106 35.1 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

9.25

12000

10000

8000

6000

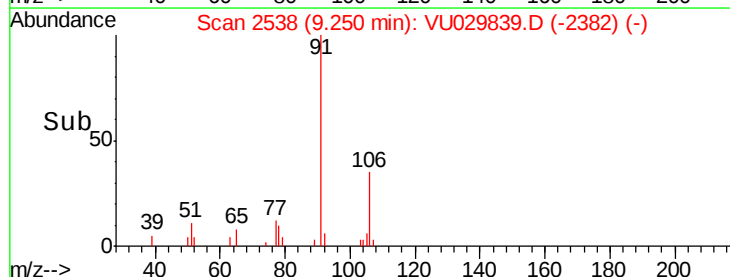
4000

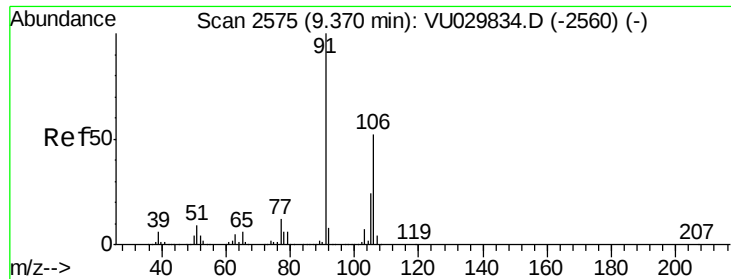
2000

0

Time-->

9.20 9.25 9.30 9.35





#64

m/p-Xylenes

Concen: 0.418 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion:106 Resp: 12712

Ion Ratio Lower Upper

106 100

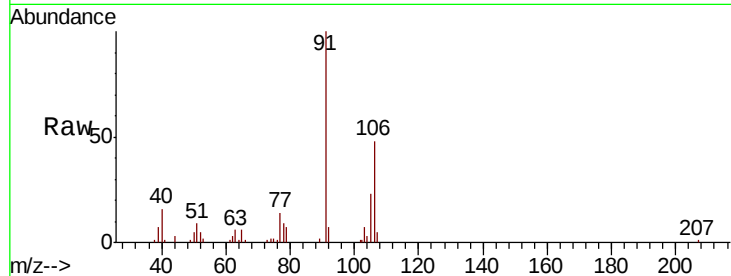
91 197.2 155.3 232.9

Manual Integrations

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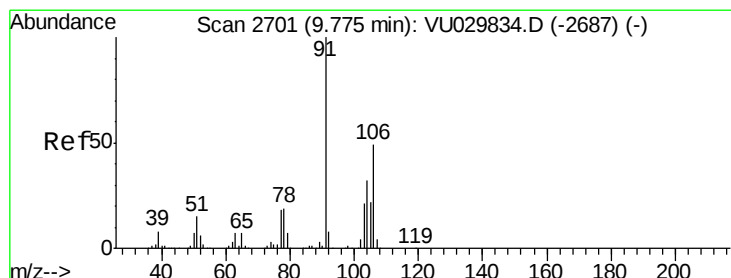
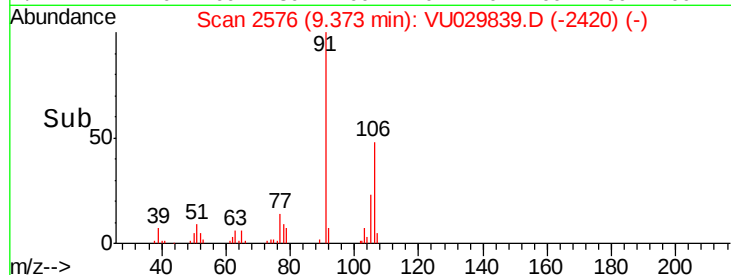
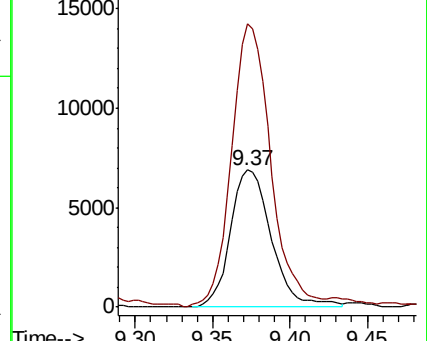
MMDadoda

3/11/2019 4:50:30 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#65

o-Xylene

Concen: 0.221 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU029839.D

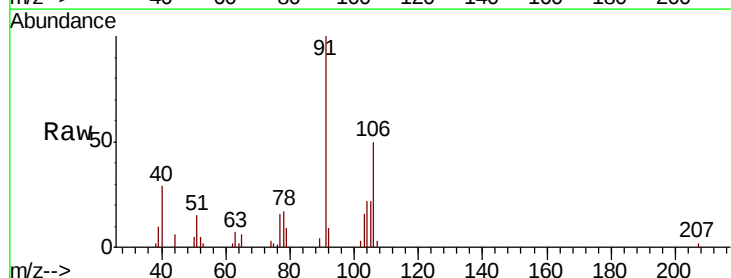
Acq: 06 Mar 2019 14:42

Tgt Ion:106 Resp: 6446

Ion Ratio Lower Upper

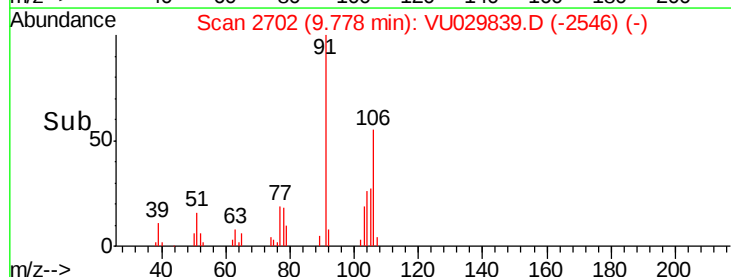
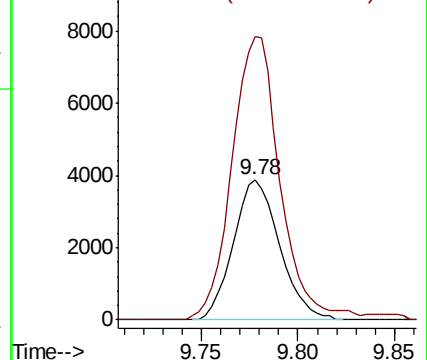
106 100

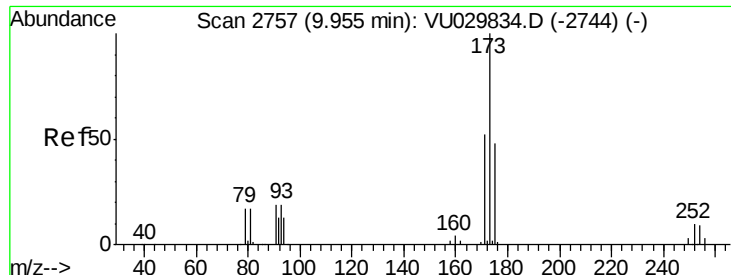
91 209.7 102.8 308.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





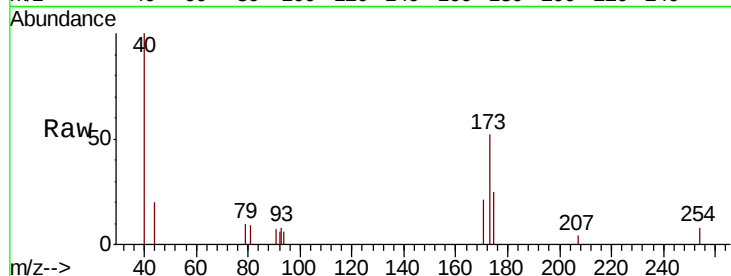
#67
Bromoform
Concen: 0.213 ug/l
RT: 9.96 min Scan# 2759
Delta R.T. 0.01 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	45.7	38.6	57.8
254	5.7	7.4	11.2

Manual Integrations
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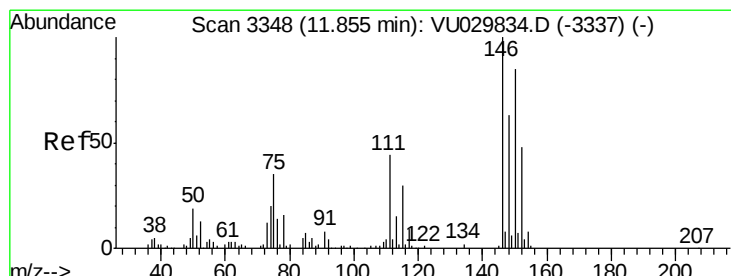
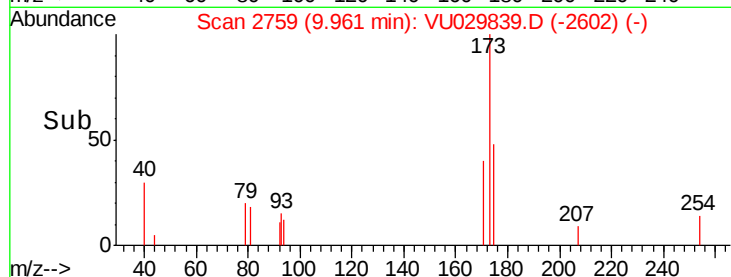
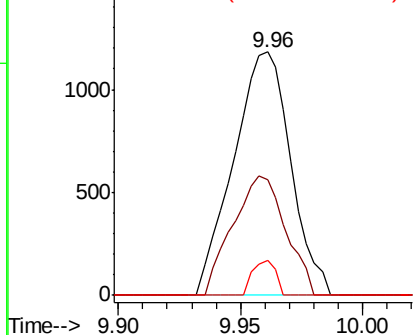


Abundance

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



#68
1,2-Dichlorobenzene-d4
Concen: 0.213 ug/l
RT: 11.86 min Scan# 3350
Delta R.T. 0.01 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

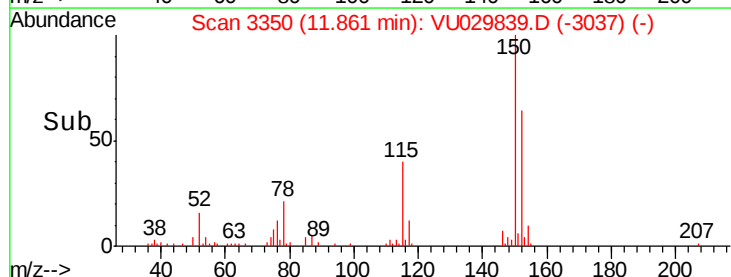
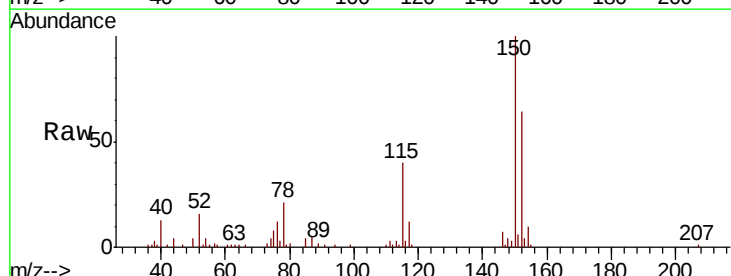
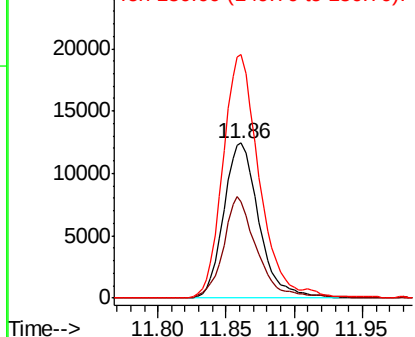
Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.2	0.0	124.0
150	162.0	0.0	631.2

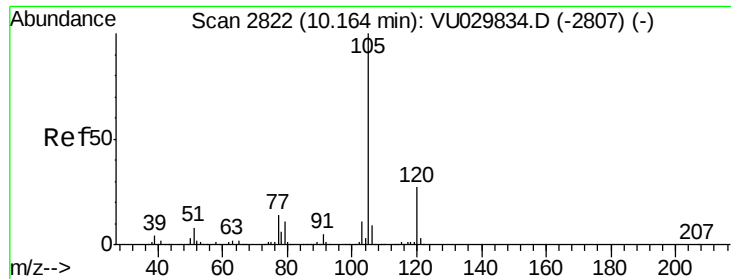
Abundance

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: 0.220 ug/l

RT: 10.17 min Scan# 2823

Delta R.T. 0.00 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion: 105 Resp: 17009

Ion Ratio Lower Upper

105 100

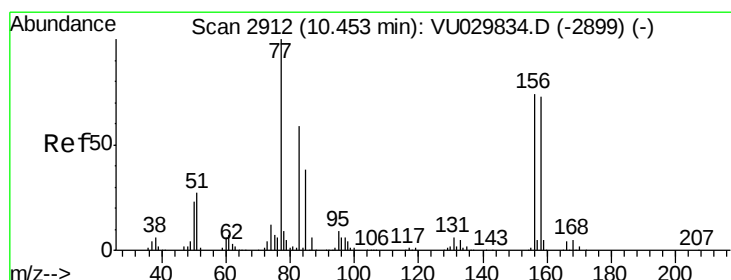
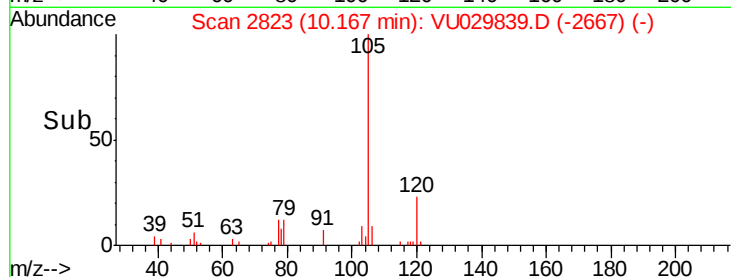
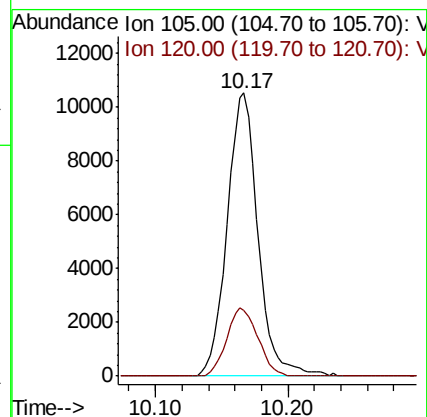
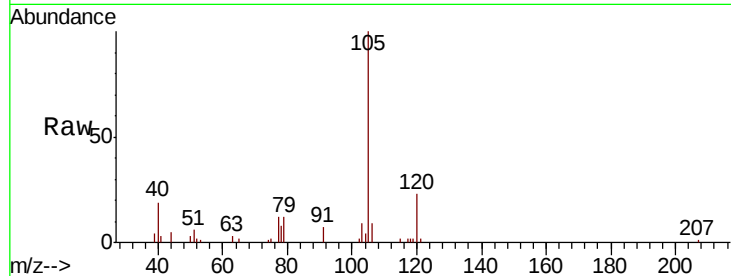
120 24.1 13.5 40.5

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 0.239 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

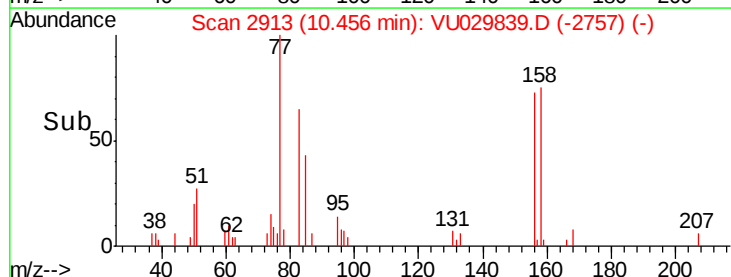
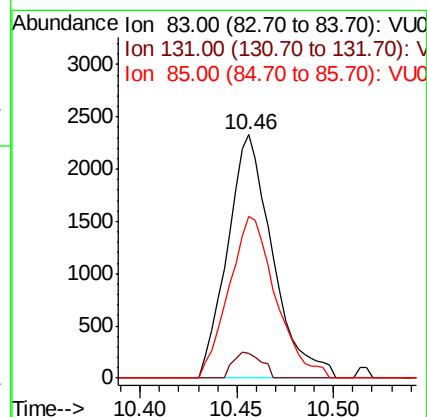
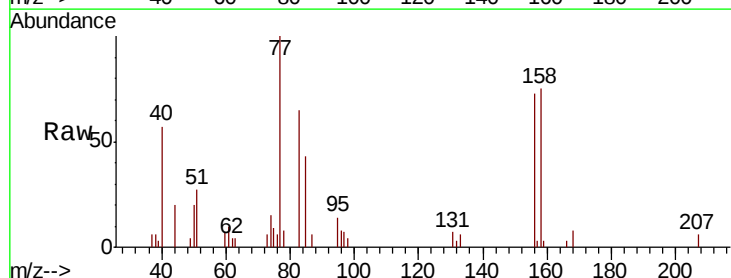
Tgt Ion: 83 Resp: 3772

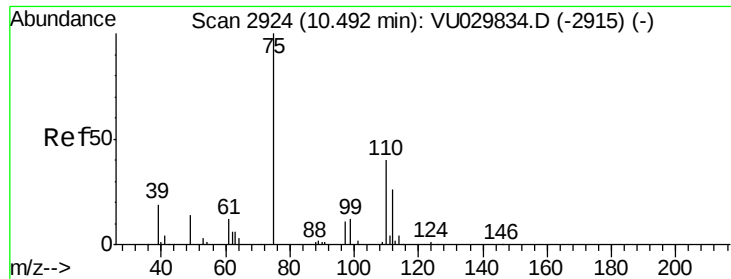
Ion Ratio Lower Upper

83 100

131 6.7 8.3 12.5#

85 68.9 52.5 78.7





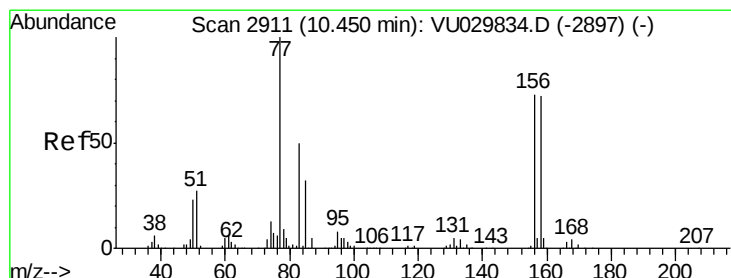
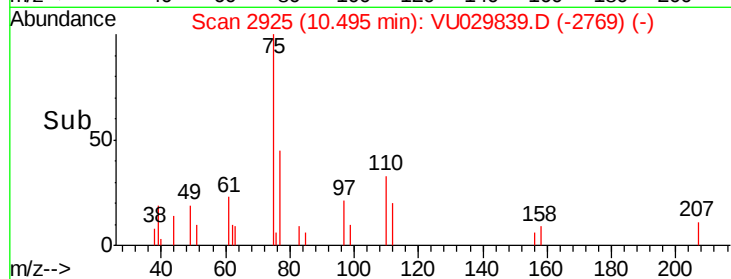
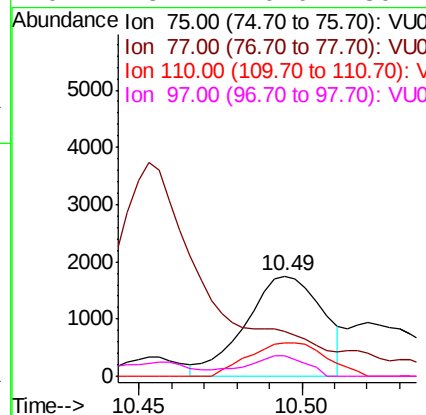
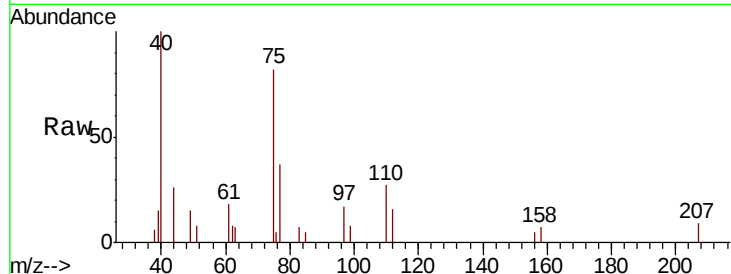
#71
 1,2,3-Trichloropropane
 Concen: 0.246 ug/l m
 RT: 10.49 min Scan# 2925
 Delta R.T. 0.00 min
 Lab File: VU029839.D
 Acq: 06 Mar 2019 14:42

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	16.4
110	33.4	0.0	74.8
97	15.7	0.0	39.4

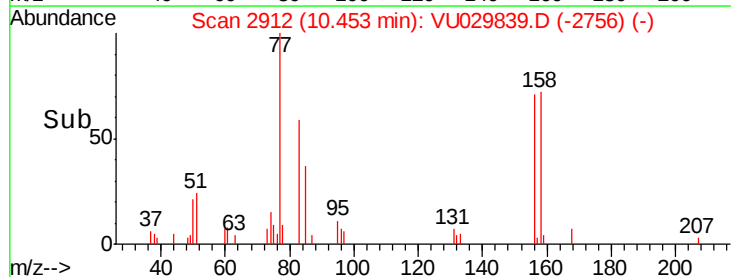
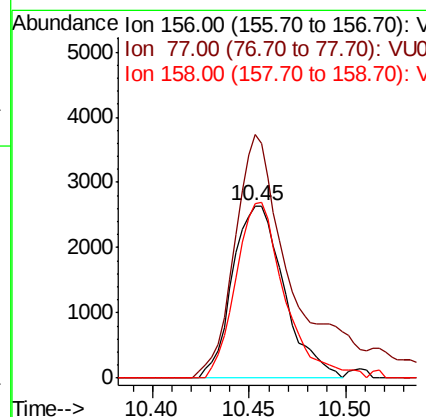
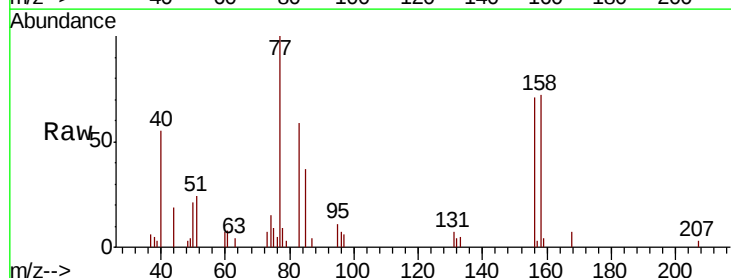
Manual Integrations
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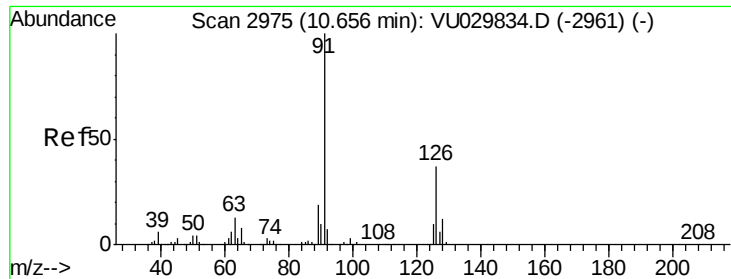
MMDadoda
 3/11/2019 4:50:30 PM



#72
 Bromobenzene
 Concen: 0.239 ug/l
 RT: 10.45 min Scan# 2912
 Delta R.T. 0.00 min
 Lab File: VU029839.D
 Acq: 06 Mar 2019 14:42

Tgt Ion	Ratio	Lower	Upper
156	100		
77	153.8	0.0	282.2
158	96.7	0.0	196.2





#74

2-Chlorotoluene

Concen: 0.223 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

Instrument :

MSVOA_U

ClientSampled :

MDL02

Tgt Ion:126 Resp: 4313

Ion Ratio Lower Upper

126 100

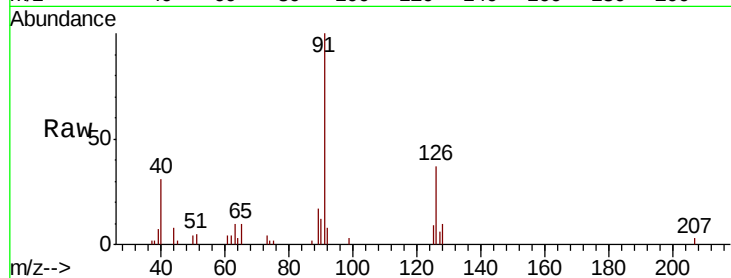
91 270.4 0.0 569.0

Manual Integrations

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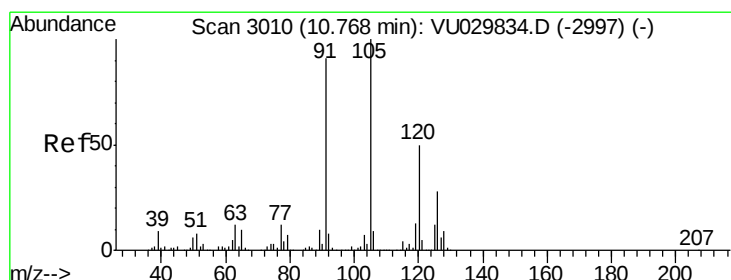
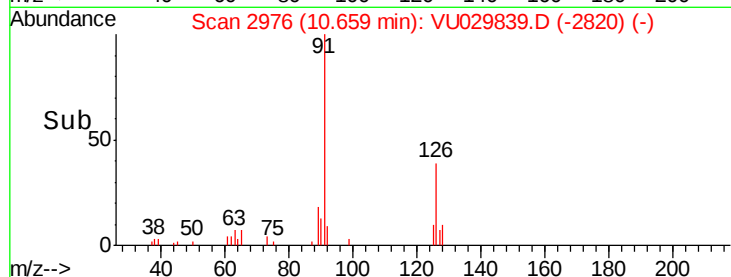
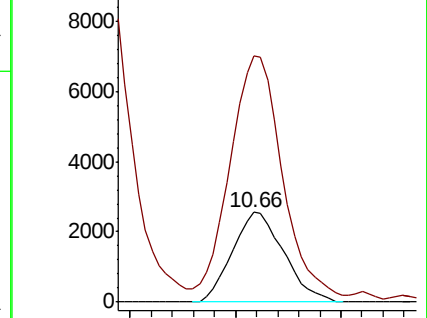
MMDadoda

3/11/2019 4:50:30 PM



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: 0.203 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029839.D

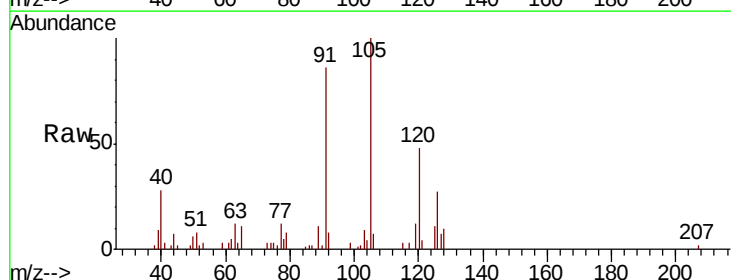
Acq: 06 Mar 2019 14:42

Tgt Ion:105 Resp: 13242

Ion Ratio Lower Upper

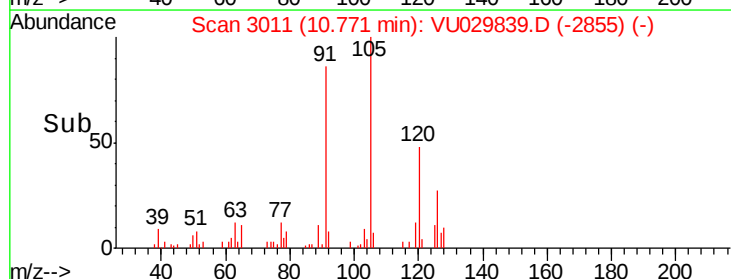
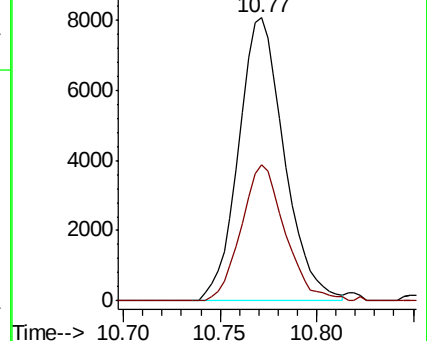
105 100

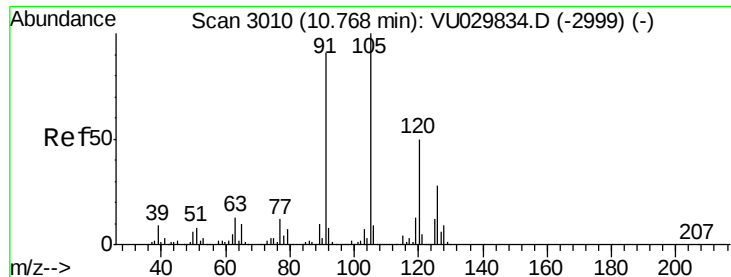
120 46.0 40.0 60.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





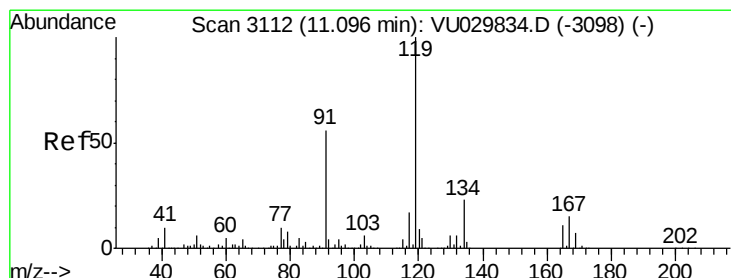
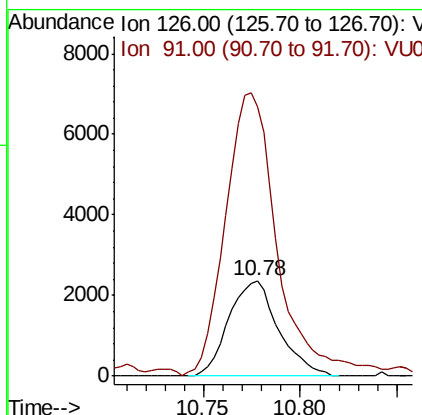
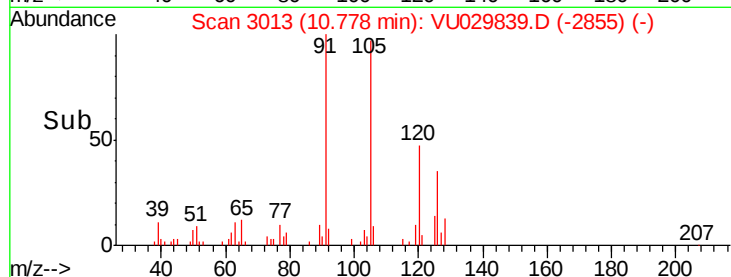
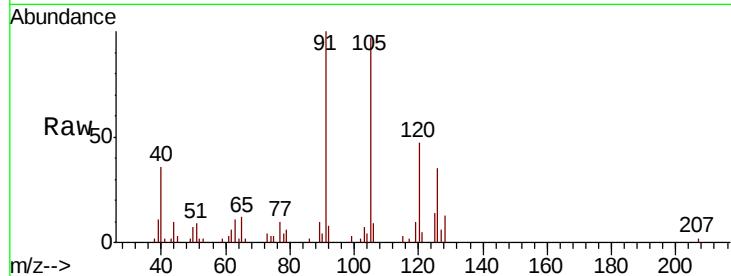
#76
4-Chlorotoluene
Concen: 0.215 ug/l
RT: 10.78 min Scan# 3013
Delta R.T. 0.01 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion:126 Resp: 4238
Ion Ratio Lower Upper
126 100
91 312.6 0.0 634.8

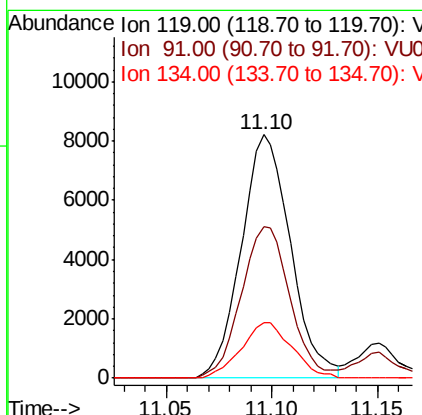
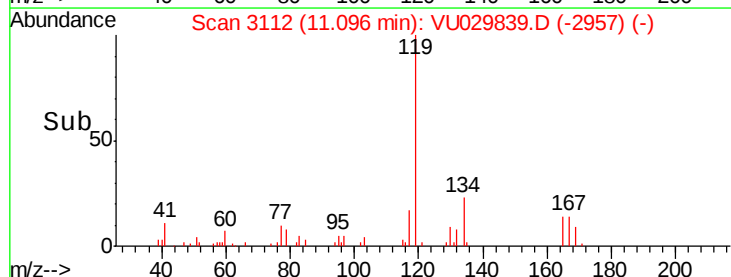
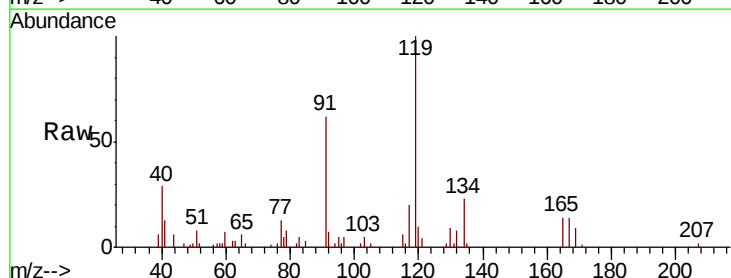
Manual Integrations
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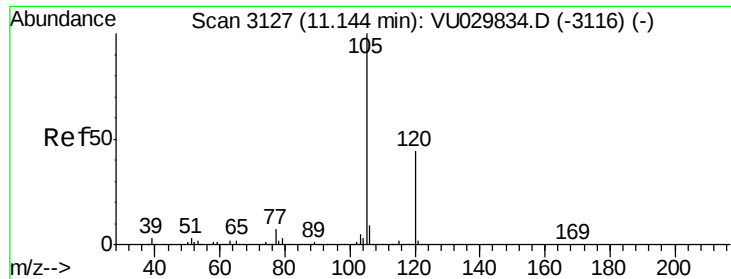
MMDadoda
3/11/2019 4:50:30 PM



#77
tert-Butylbenzene
Concen: 0.207 ug/l
RT: 11.10 min Scan# 3112
Delta R.T. -0.00 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Tgt Ion:119 Resp: 13352
Ion Ratio Lower Upper
119 100
91 61.3 27.7 83.1
134 23.5 18.7 28.1





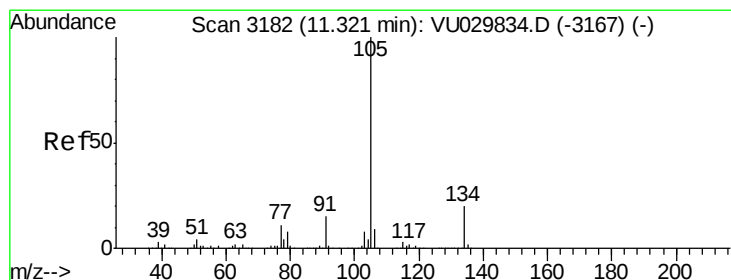
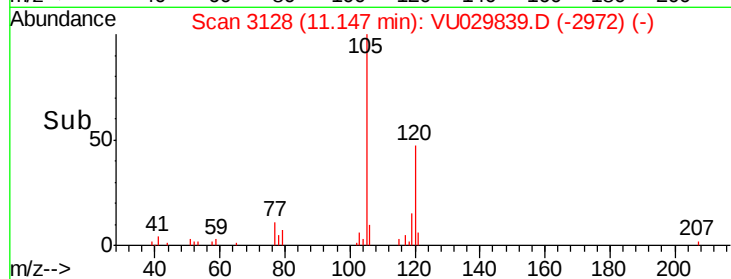
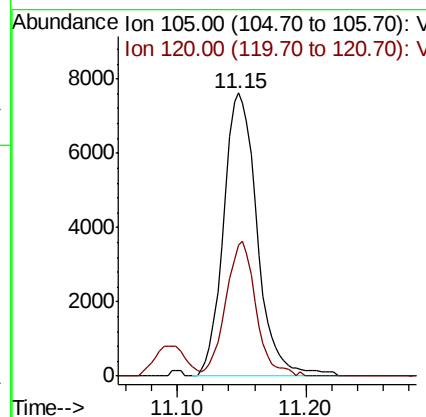
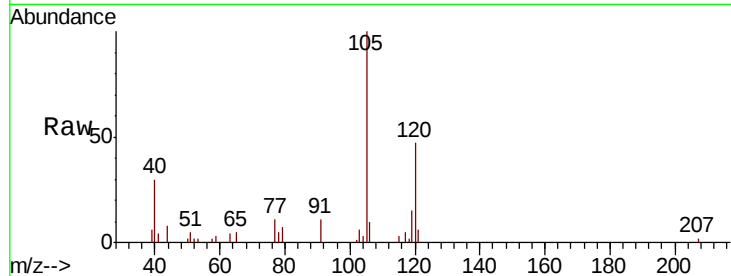
#78
 1,2,4-Trimethylbenzene
 Concen: 0.209 ug/l
 RT: 11.15 min Scan# 3128
 Delta R.T. 0.00 min
 Lab File: VU029839.D
 Acq: 06 Mar 2019 14:42

Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

Tgt Ion:105 Resp: 13797
 Ion Ratio Lower Upper
 105 100
 120 42.9 23.5 70.5

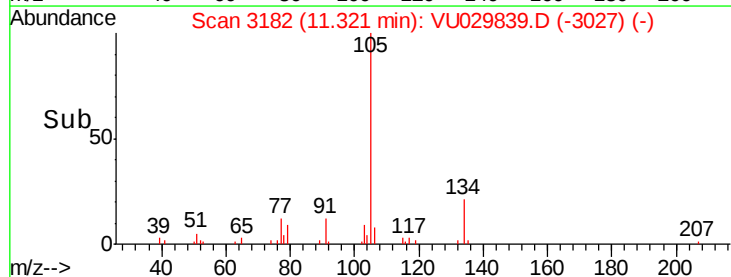
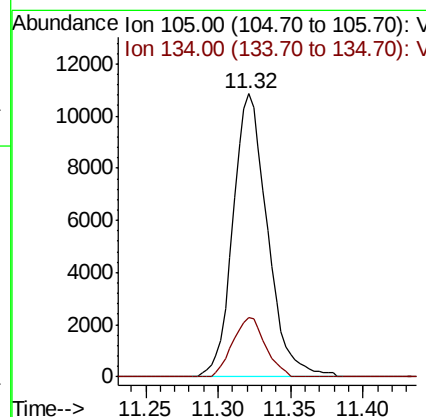
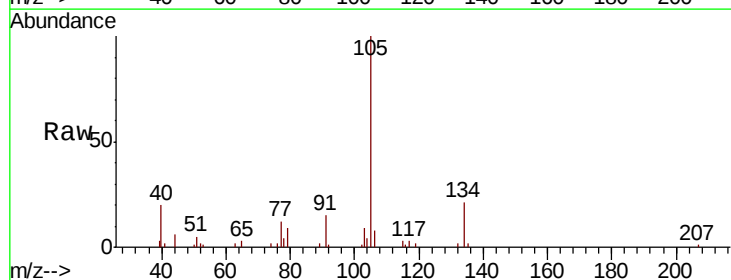
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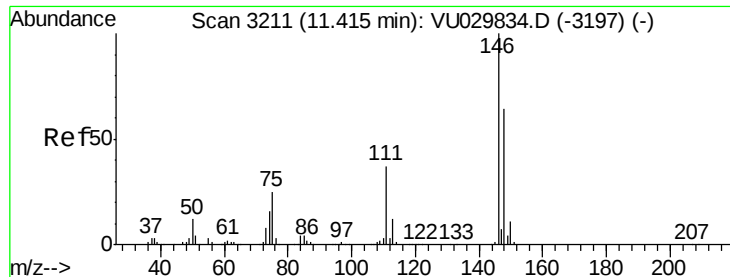
MMDadoda
 3/11/2019 4:50:30 PM



#79
 sec-Butylbenzene
 Concen: 0.210 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VU029839.D
 Acq: 06 Mar 2019 14:42

Tgt Ion:105 Resp: 17926
 Ion Ratio Lower Upper
 105 100
 134 19.8 16.3 24.5





#82

1,3-Dichlorobenzene

Concen: 0.223 ug/l

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

Instrument :

MSVOA_U

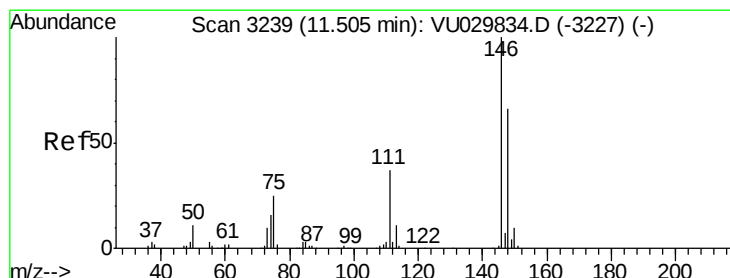
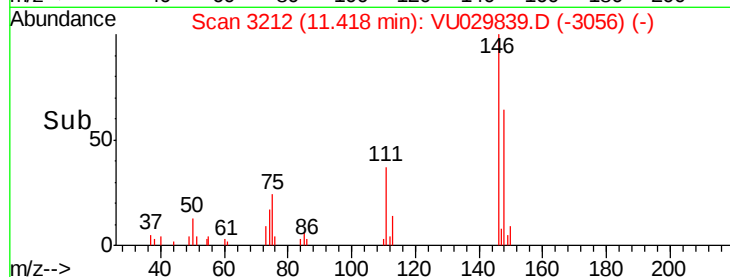
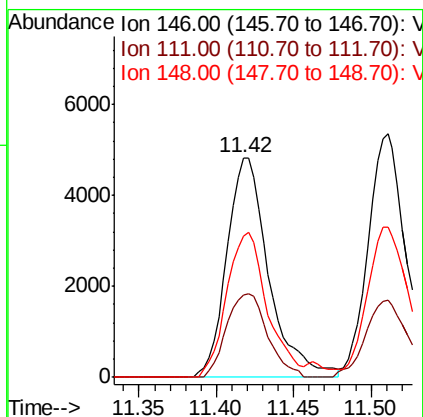
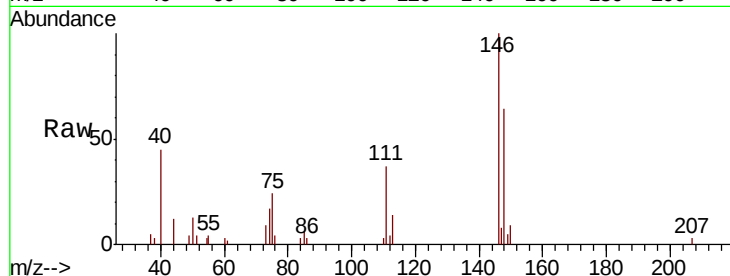
ClientSampleId :

MDL02

Tgt Ion:	146	Resp:	9066
Ion Ratio	Lower	Upper	
146	100		
111	37.0	30.2	45.4
148	63.8	51.2	76.8

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#83

1,4-Dichlorobenzene

Concen: 0.236 ug/l

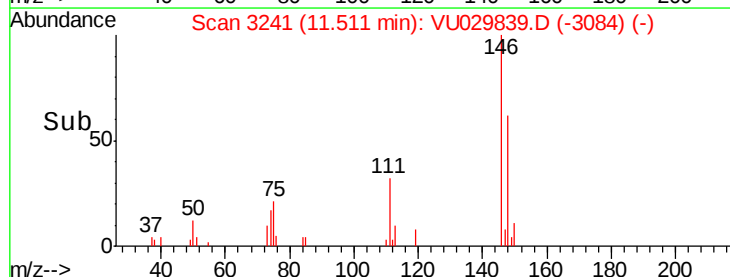
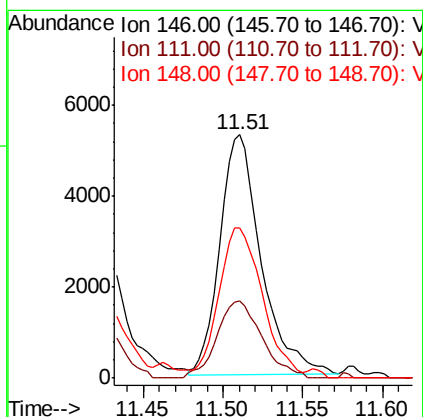
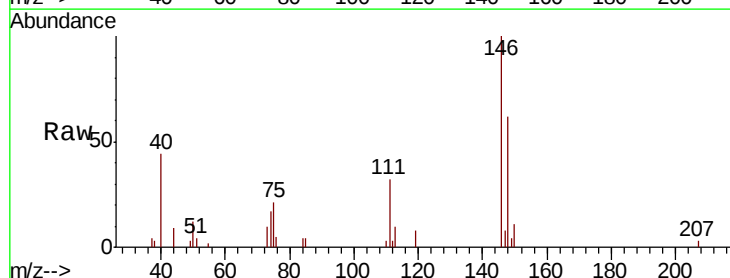
RT: 11.51 min Scan# 3241

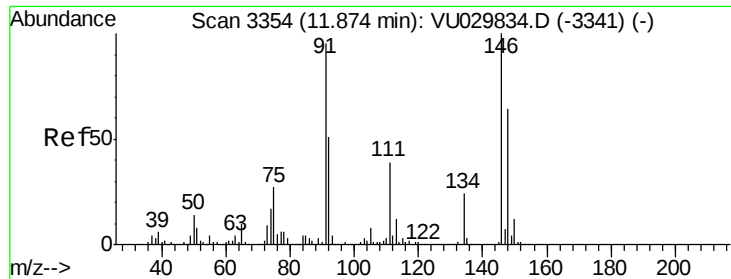
Delta R.T. 0.01 min

Lab File: VU029839.D

Acq: 06 Mar 2019 14:42

Tgt Ion:	146	Resp:	9373
Ion Ratio	Lower	Upper	
146	100		
111	34.8	29.4	44.2
148	60.4	51.7	77.5





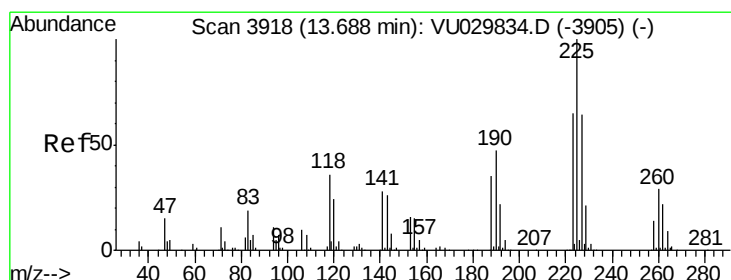
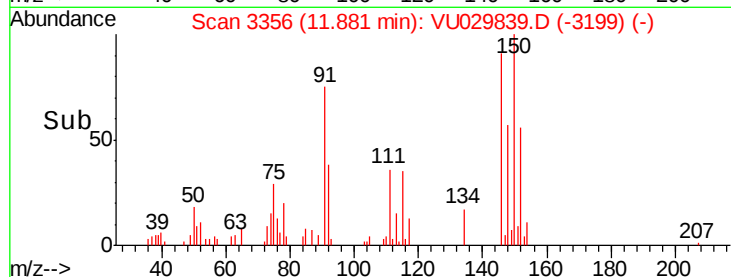
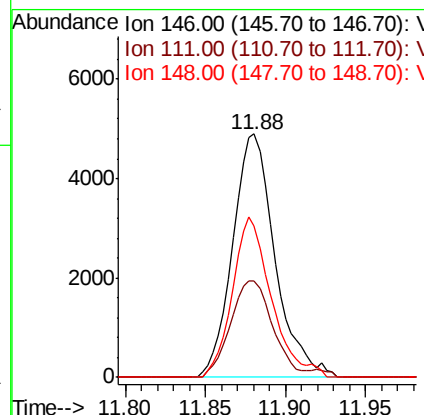
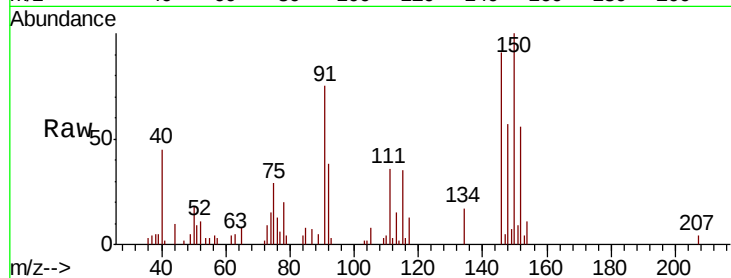
#85
 1,2-Dichlorobenzene
 Concen: 0.230 ug/l
 RT: 11.88 min Scan# 3356
 Delta R.T. 0.01 min
 Lab File: VU029839.D
 Acq: 06 Mar 2019 14:42

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.9	59.6
148	60.7	32.1	96.3

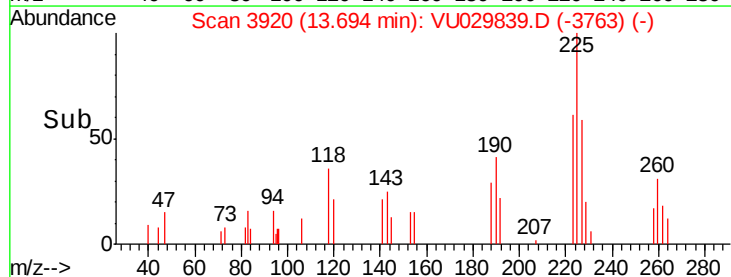
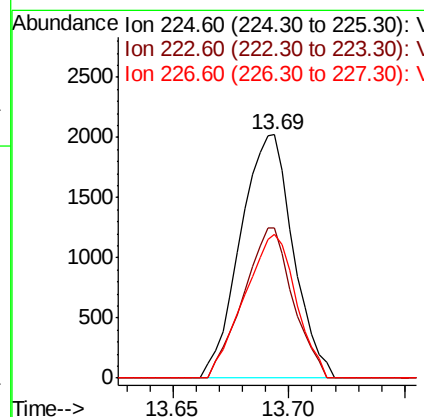
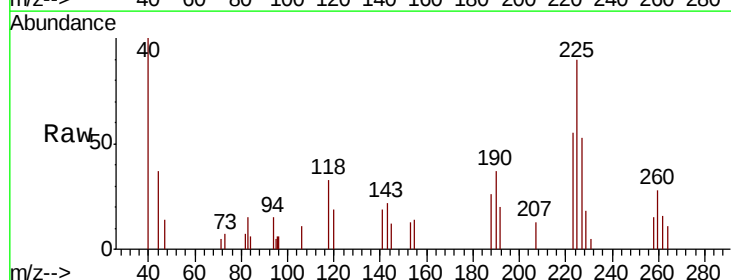
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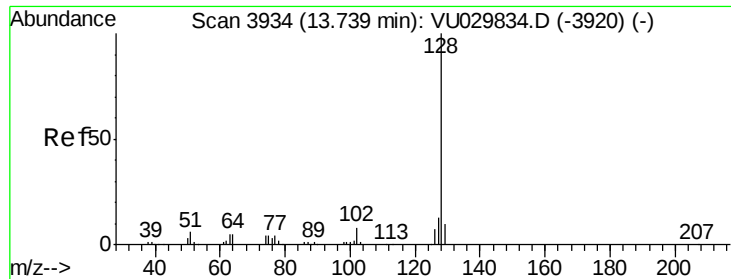
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 3/11/2019 4:50:30 PM



#88
 Hexachlorobutadiene
 Concen: 0.207 ug/l
 RT: 13.69 min Scan# 3920
 Delta R.T. 0.01 min
 Lab File: VU029839.D
 Acq: 06 Mar 2019 14:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.9	51.2	76.8
227	57.9	50.9	76.3





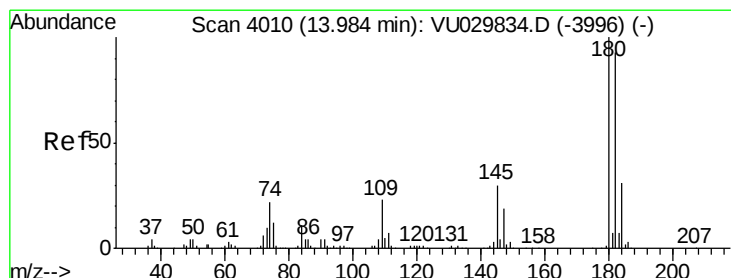
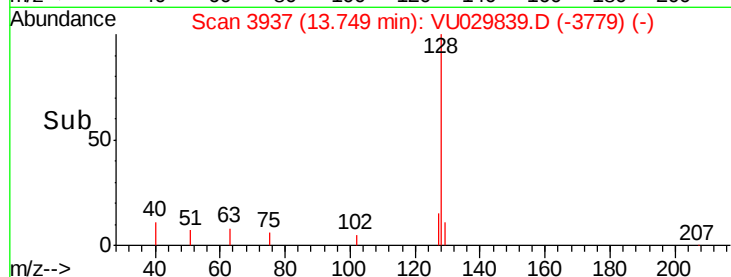
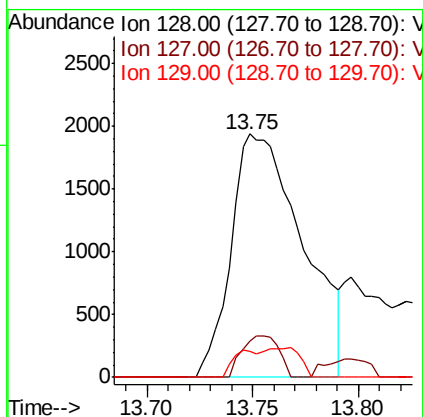
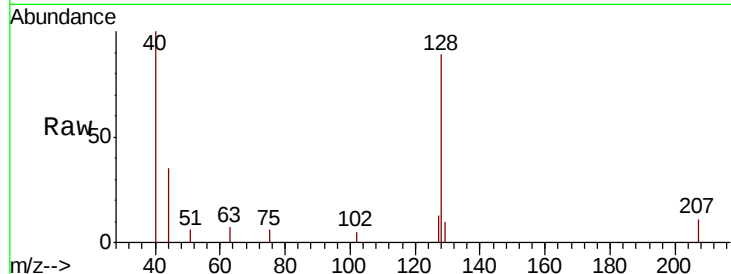
#89
Naphthalene
Concen: 0.550 ug/l
RT: 13.75 min Scan# 3937
Delta R.T. 0.01 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	4575		
127	8.7	10.2	15.4#	
129	3.8	8.2	12.4#	

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 0.214 ug/l m
RT: 13.99 min Scan# 4013
Delta R.T. 0.01 min
Lab File: VU029839.D
Acq: 06 Mar 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	4929		
182	4.4	74.8	112.2#	
145	1.6	24.6	36.8#	

