

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031419\
 Data File : VU030005.D
 Acq On : 12 Mar 2019 12:55
 Operator : JC/SP
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU031419

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 12:56:09 PM

Quant Time: Mar 13 08:01:55 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U031419DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Wed Mar 13 04:21:52 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	64579	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	23273	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	26572	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	111484	4.707	ug/l 99
3) Chloromethane	1.33	50	223603	8.322	ug/l 98
4) Vinyl Chloride	1.40	62	175569	7.623	ug/l 99
5) Bromomethane	1.63	94	91084	6.920	ug/l 99
6) Chloroethane	1.70	64	116793	8.784	ug/l 100
7) Trichlorofluoromethane	1.89	101	262713	8.794	ug/l 98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	172005	10.584	ug/l 98
9) 1,1-Dichloroethene	2.28	96	164162	10.188	ug/l 96
10) Iodomethane	2.41	142	115758	8.291	ug/l 100
11) Allyl Chloride	2.59	41	227176	9.971	ug/l 98
12) Acrylonitrile	2.93	53	170791	48.939	ug/l 99
13) Acetone	2.32	43	182490	60.066	ug/l 95
14) Carbon Disulfide	2.48	76	490648	8.740	ug/l 100
15) Methylene Chloride	2.70	84	185376	9.662	ug/l 99
16) trans-1,2-Dichloroethene	2.97	96	182170	9.791	ug/l 97
17) 1,1-Dichloroethane	3.44	63	320410	10.186	ug/l 99
18) 2-Butanone	4.27	43	244817	58.203	ug/l 99
19) Cyclohexane	4.99	56	285482m	10.593	ug/l
20) Methylcyclohexane	6.41	83	324974	10.927	ug/l 99
21) 2,2-Dichloropropane	4.22	77	272229	10.292	ug/l 99
22) cis-1,2-Dichloroethene	4.22	96	211789	10.239	ug/l 99
23) Diethyl Ether	2.10	59	119029	9.887	ug/l 98
24) tert-Butyl Alcohol	2.83	59	59101	45.870	ug/l 99
25) Methyl tert-Butyl Ether	3.00	73	416535	10.236	ug/l 100
26) Bromochloromethane	4.54	128	84706	9.360	ug/l 99
27) Chloroform	4.67	83	330207	9.977	ug/l 98
28) 1,1,1-Trichloroethane	4.91	97	289062	10.615	ug/l 100
29) 1,1-Dichloropropene	5.13	75	256643	10.352	ug/l 99
30) Carbon Tetrachloride	5.13	117	256214	10.525	ug/l 96
31) Isopropyl Ether	3.57	45	488941	11.045	ug/l # 1
34) Propionitrile	4.32	54	131474	112.130	ug/l # 97
35) Benzene	5.38	78	757456	10.443	ug/l 99
36) 1,2-Dichloroethane	5.40	62	195858	10.099	ug/l 98
37) Trichloroethene	6.18	130	210882	10.094	ug/l 99
38) 1,2-Dichloropropane	6.43	63	189137	10.258	ug/l 97
39) Methacrylonitrile	4.54	41	53851	10.532	ug/l # 91
40) Methyl acrylate	4.42	55	93778	11.607	ug/l # 90
41) Tetrahydrofuran	4.64	42	141018	49.863	ug/l 95
42) 1-Chlorobutane	5.06	56	341413	10.514	ug/l 100
43) Dibromomethane	6.56	93	97274	10.197	ug/l 99
44) Bromodichloromethane	6.75	83	240480	10.567	ug/l 99

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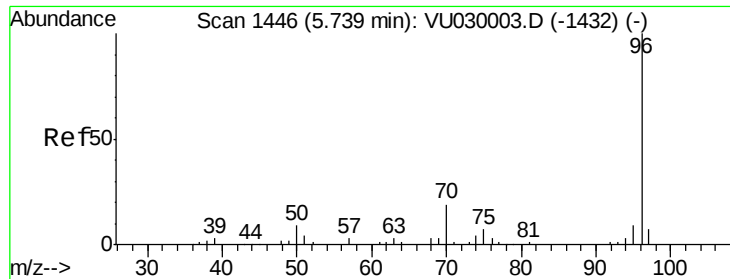
Manual Integrations
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Quant Time: Mar 13 08:01:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U031419DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Mar 13 04:21:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.46	43	492989	52.307	ug/l	99
46) t-1,4-Dichloro-2-butene	10.51	75	48224m	11.046	ug/l	
47) Methyl methacrylate	6.62	69	92006	11.513	ug/l	100
48) Ethyl methacrylate	8.02	69	170820	11.334	ug/l	99
49) Toluene	7.63	92	478967	10.960	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	238866	11.721	ug/l	99
51) cis-1,3-Dichloropropene	7.26	75	284951	11.123	ug/l	100
52) 1,1,2-Trichloroethane	8.06	97	142577	10.573	ug/l	96
53) 1,3-Dichloropropane	8.24	76	239176	10.604	ug/l	99
54) 2-Hexanone	8.36	43	375252	55.260	ug/l	100
55) Dibromochloromethane	8.47	129	173867	10.717	ug/l	99
56) 1,2-Dibromoethane	8.58	107	136241	10.497	ug/l	97
58) Tetrachloroethene	8.22	164	197940	10.434	ug/l	99
59) Chlorobenzene	9.12	112	534243	10.697	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	187665	10.639	ug/l	99
61) Pentachloroethane	11.10	117	149430	10.977	ug/l	100
62) Hexachloroethane	12.14	117	153094	11.162	ug/l	99
63) Ethyl Benzene	9.24	91	912936	11.131	ug/l	99
64) m/p-Xylenes	9.37	106	733931	22.745	ug/l	100
65) o-Xylene	9.77	106	348851	11.022	ug/l	99
66) Styrene	9.79	104	573111	11.048	ug/l	99
67) Bromoform	9.95	173	104267	11.244	ug/l	99
69) Isopropylbenzene	10.16	105	932305	11.298	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.45	83	171566	10.322	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	122942m	9.839	ug/l	
72) Bromobenzene	10.45	156	240454	11.110	ug/l	99
73) n-propylbenzene	10.58	120	264513	11.299	ug/l	99
74) 2-Chlorotoluene	10.66	126	226958	11.070	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	811299	11.540	ug/l	99
76) 4-Chlorotoluene	10.77	126	242297	11.578	ug/l	92
77) tert-Butylbenzene	11.10	119	783427	11.384	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	827891	11.579	ug/l	99
79) sec-Butylbenzene	11.32	105	1007363	10.927	ug/l	100
80) Nitrobenzene	12.86	77	3465	11.670	ug/l #	83
81) p-Isopropyltoluene	11.47	119	896035	11.588	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	469722	10.747	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	471260	10.726	ug/l	99
84) n-Butylbenzene	11.89	91	846032	11.713	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	431211	10.600	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	26913	11.240	ug/l	97
87) 1,2,4-Trichlorobenzene	13.50	180	346773	11.812	ug/l	100
88) Hexachlorobutadiene	13.69	225	178833	11.239	ug/l	98
89) Naphthalene	13.74	128	594208	12.916	ug/l	100
90) 1,2,3-Trichlorobenzene	13.98	180	308933	11.615	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

Instrument :

MSVOA_U

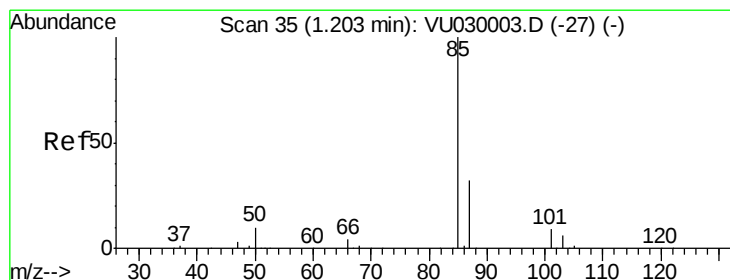
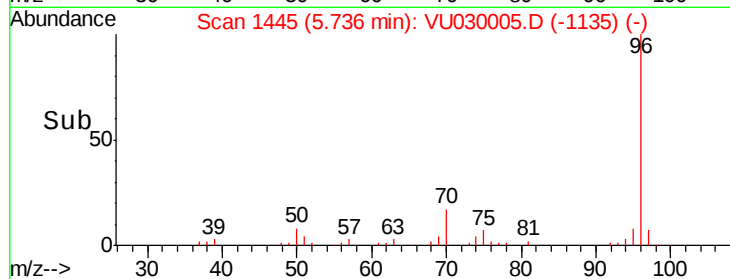
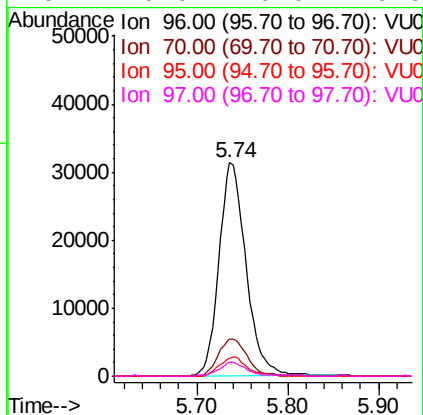
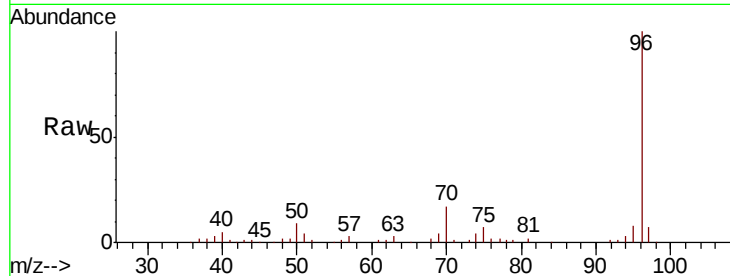
ClientSampleId :

ICVVU031419

Tgt Ion:	96	Resp:	64579
Ion	Ratio	Lower	Upper
96	100		
70	19.0	15.5	23.3
95	9.2	6.6	9.8
97	0.0	0.0	0.0

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#2

Dichlorodifluoromethane

Concen: 4.707 ug/l

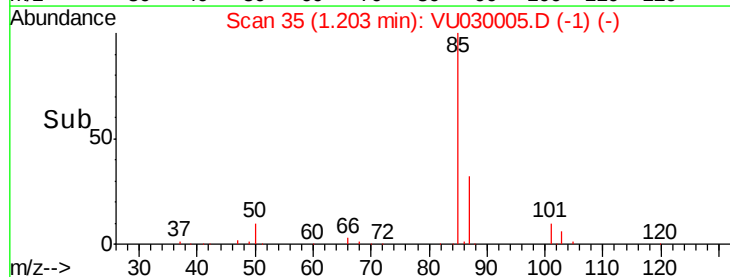
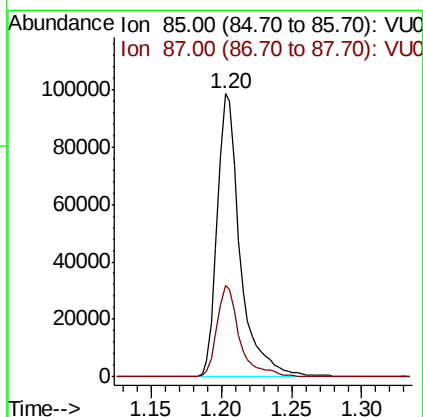
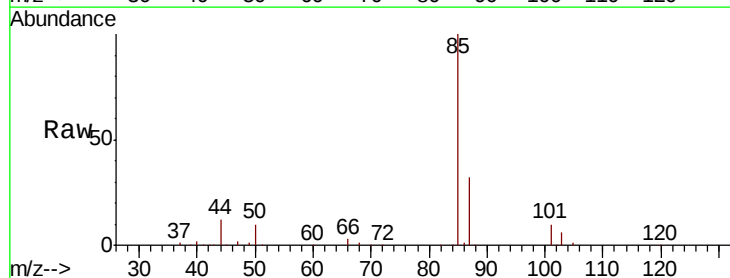
RT: 1.20 min Scan# 35

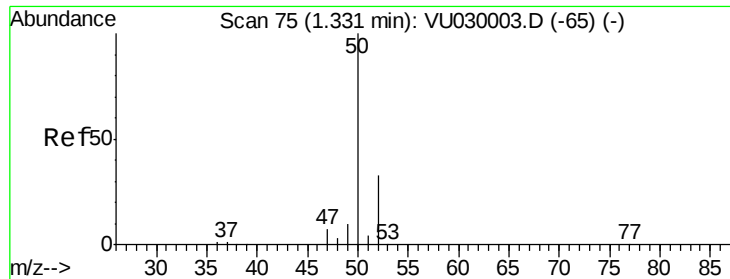
Delta R.T. -0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

Tgt Ion:	85	Resp:	111484
Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.2	48.6





#3

Chloromethane

Concen: 8.322 ug/l

RT: 1.33 min Scan# 75

Delta R.T. -0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

ICVVU031419

Tgt Ion: 50 Resp: 223603

Ion Ratio Lower Upper

50 100

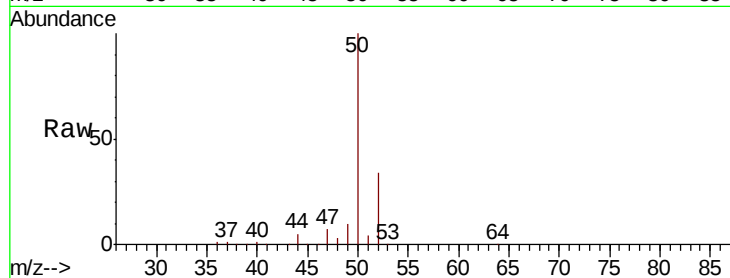
52 33.7 26.1 39.1

Manual Integrations

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Abundance Ion 50.00 (49.70 to 50.70): VU030003.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU030003.D (-65) (-)

1.33

200000

150000

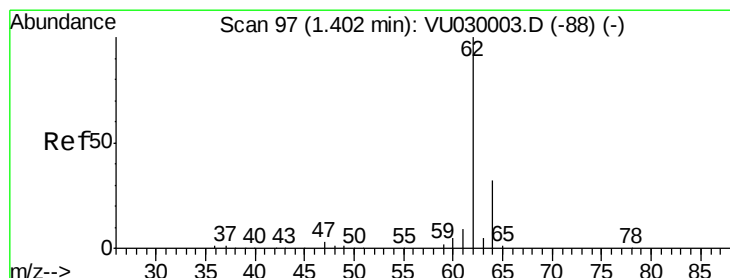
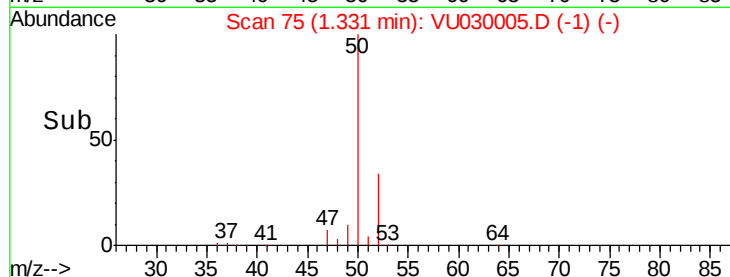
100000

50000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 7.623 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030005.D

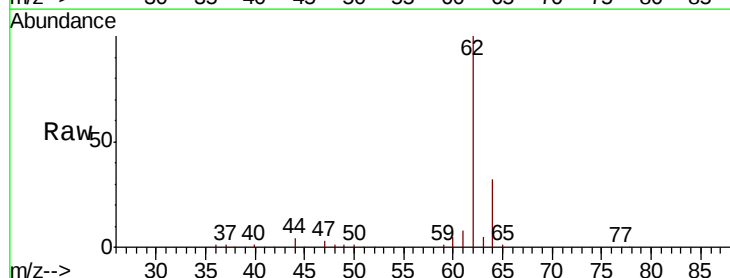
Acq: 12 Mar 2019 12:55

Tgt Ion: 62 Resp: 175569

Ion Ratio Lower Upper

62 100

64 32.1 26.0 39.0



Abundance Ion 62.00 (61.70 to 62.70): VU030003.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU030003.D (-88) (-)

1.40

150000

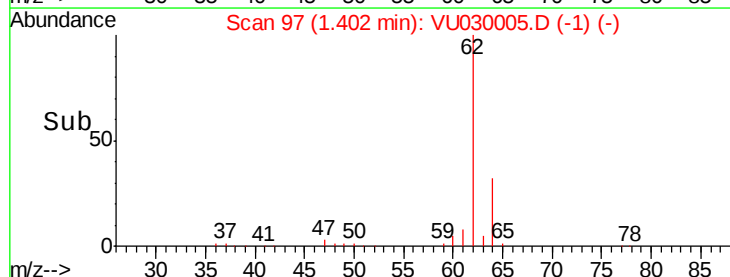
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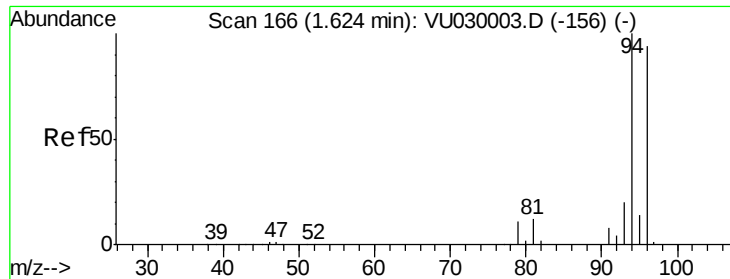
50000

0

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 6.920 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

ICVVU031419

Tgt Ion: 94 Resp: 91084

Ion Ratio Lower Upper

94 100

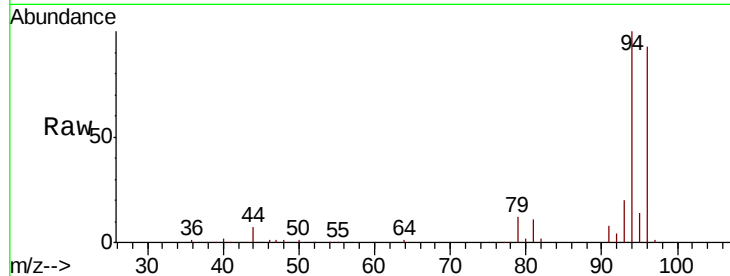
96 92.7 75.2 112.8

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Abundance Ion 94.00 (93.70 to 94.70): VU030003.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU030003.D (-156) (-)

1.63

80000

60000

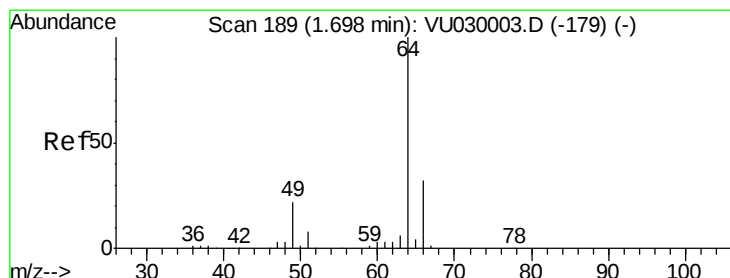
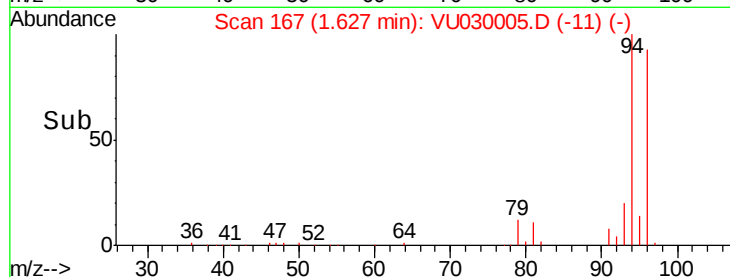
40000

20000

0

1.60 1.65

Time-->



#6

Chloroethane

Concen: 8.784 ug/l

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU030005.D

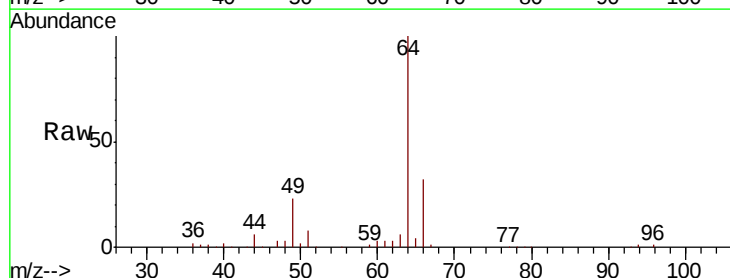
Acq: 12 Mar 2019 12:55

Tgt Ion: 64 Resp: 116793

Ion Ratio Lower Upper

64 100

66 32.1 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VU030003.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU030003.D (-179) (-)

1.70

100000

80000

60000

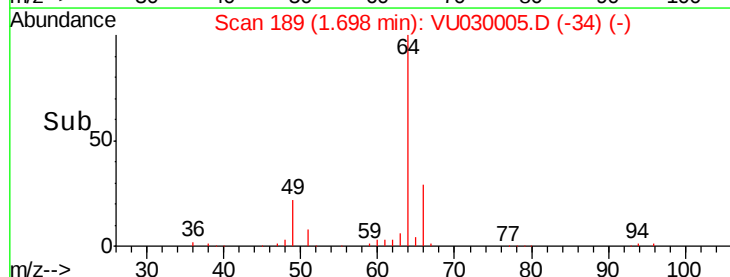
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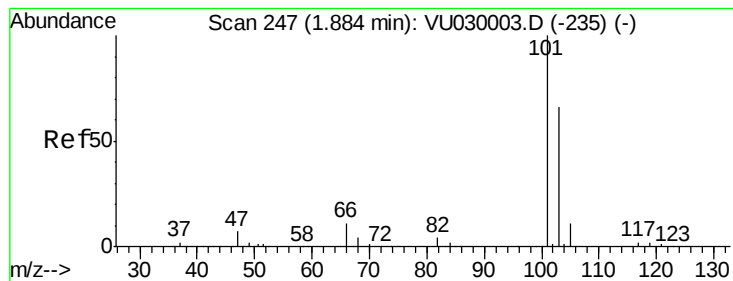
20000

0

1.60 1.65 1.70 1.75 1.80

Time-->





#7

Trichlorofluoromethane

Concen: 8.794 ug/l

RT: 1.89 min Scan# 248

Delta R.T. 0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

ICVVU031419

Tgt Ion:101 Resp: 262713

Ion Ratio Lower Upper

101 100

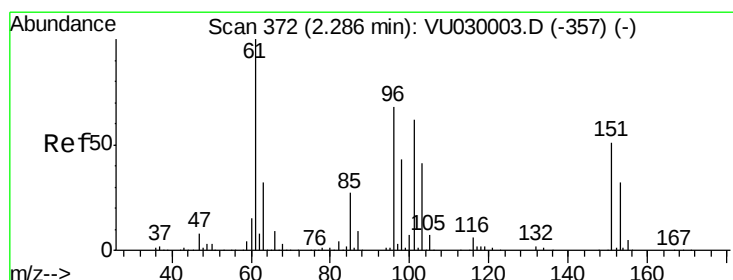
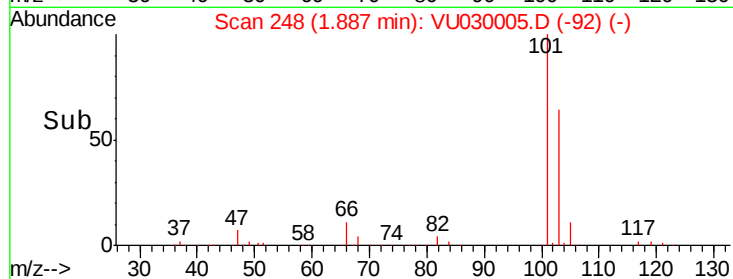
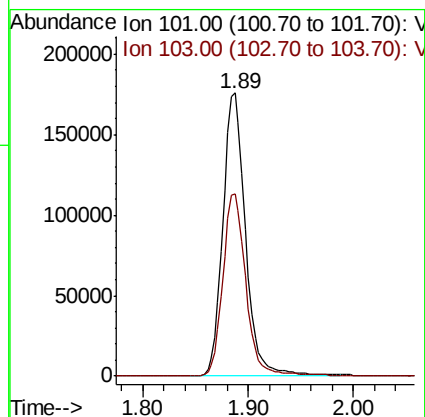
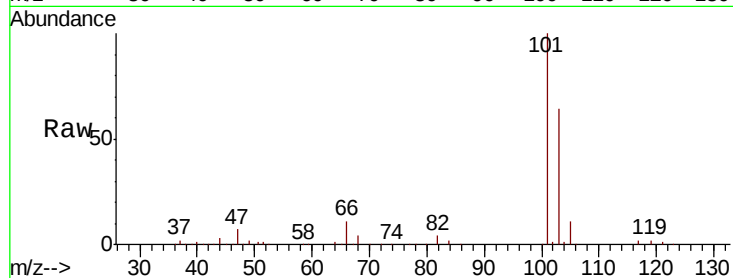
103 64.5 52.6 79.0

Manual Integrations

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#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 10.584 ug/l

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

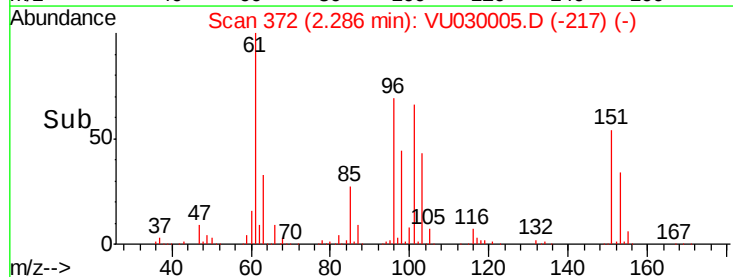
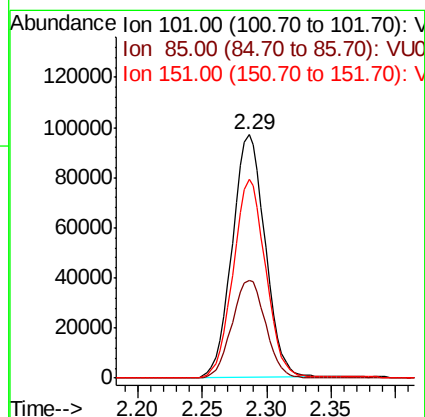
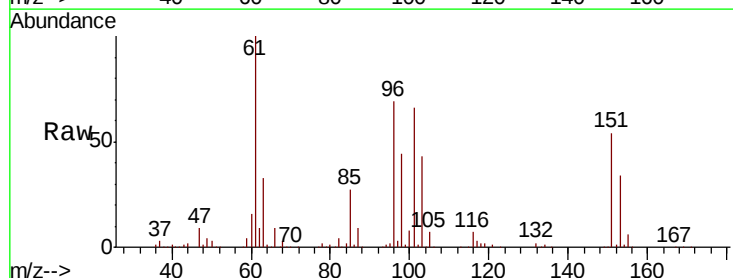
Tgt Ion:101 Resp: 172005

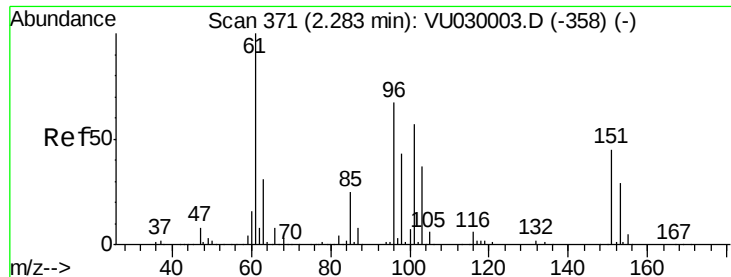
Ion Ratio Lower Upper

101 100

85 40.8 33.6 50.4

151 79.8 65.0 97.4





#9

1,1-Dichloroethene

Concen: 10.188 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

Instrument :

MSVOA_U

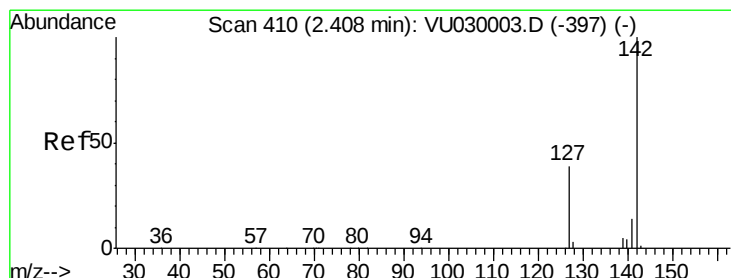
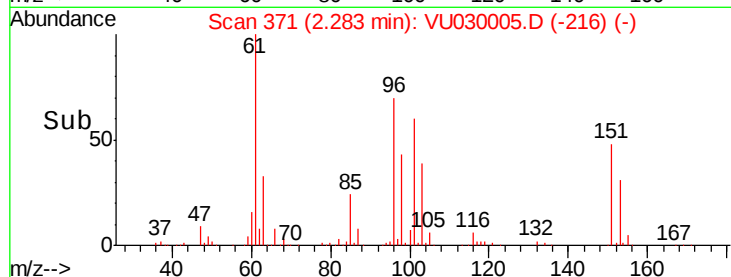
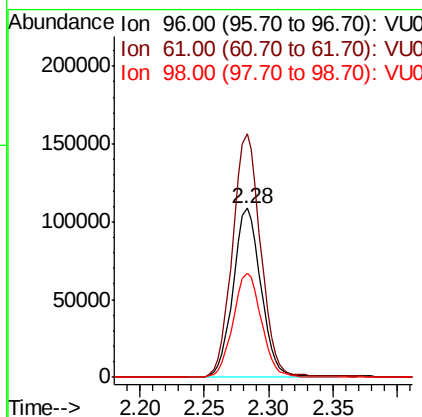
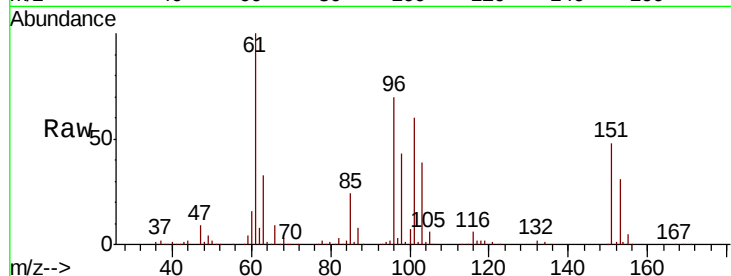
ClientSampleId :

ICVVU031419

Tgt Ion:	96	Resp:	164162
Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	447.0
98	61.8	0.0	129.2

Manual Integrations
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#10

Iodomethane

Concen: 8.291 ug/l

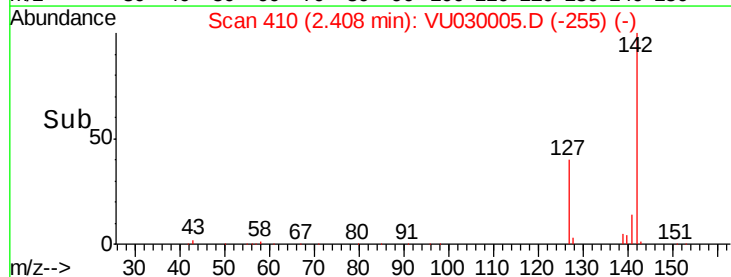
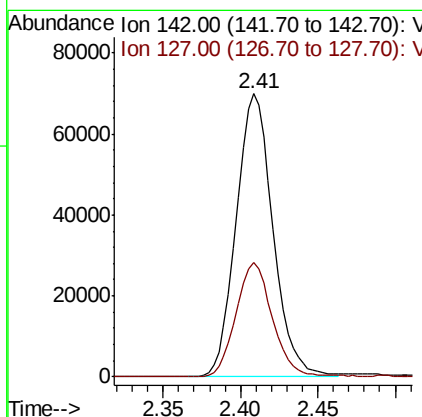
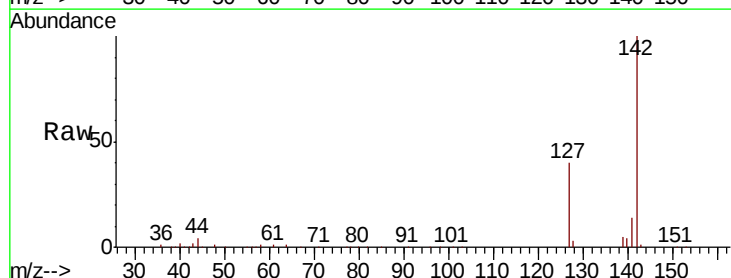
RT: 2.41 min Scan# 410

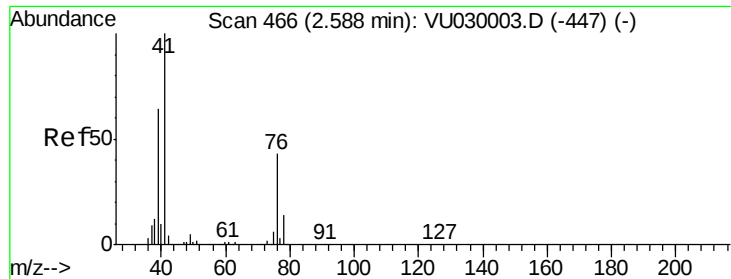
Delta R.T. -0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

Tgt Ion:	142	Resp:	115758
Ion	Ratio	Lower	Upper
142	100		
127	40.1	32.2	48.4





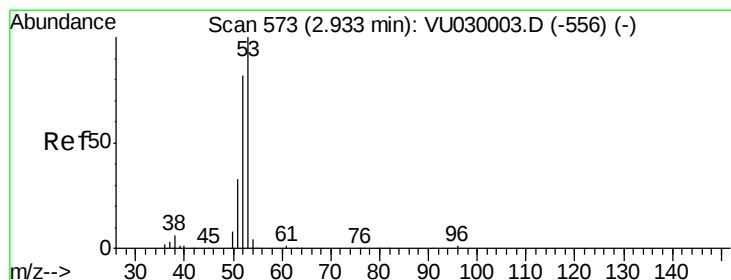
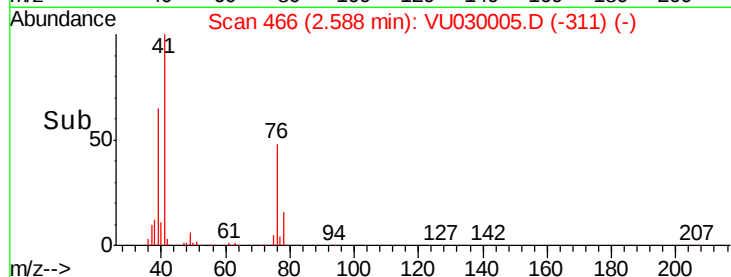
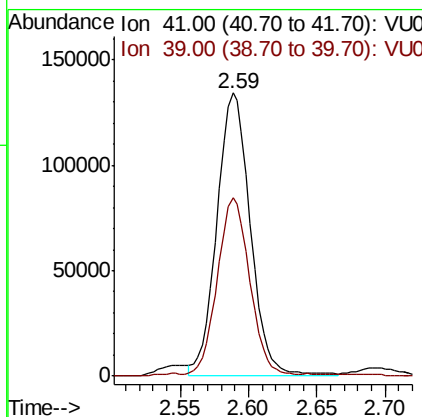
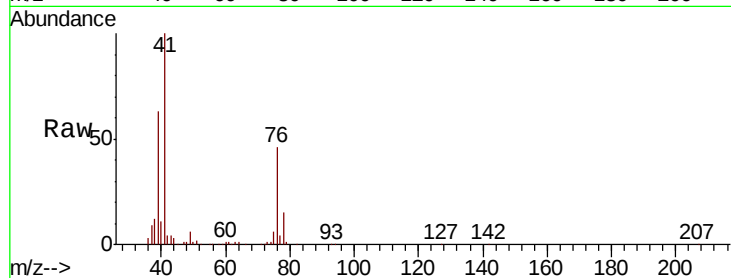
#11
 Allyl Chloride
 Concen: 9.971 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VU030005.D
 Acq: 12 Mar 2019 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU031419

Tgt Ion: 41 Resp: 227176
 Ion Ratio Lower Upper
 41 100
 39 62.1 50.8 76.2

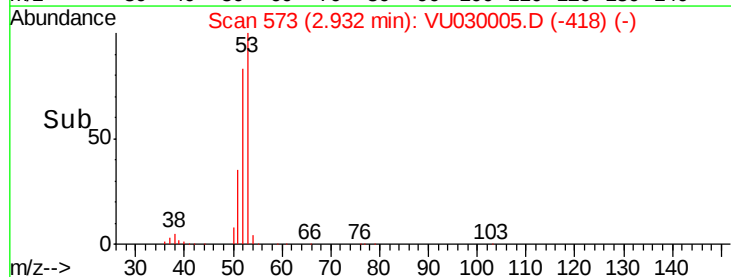
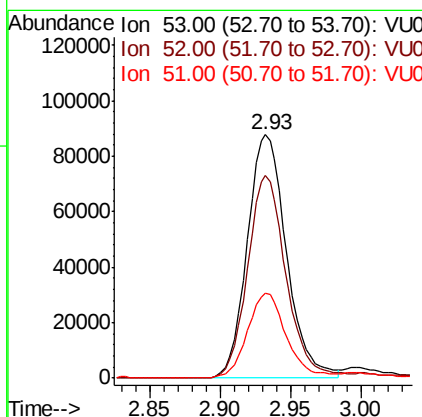
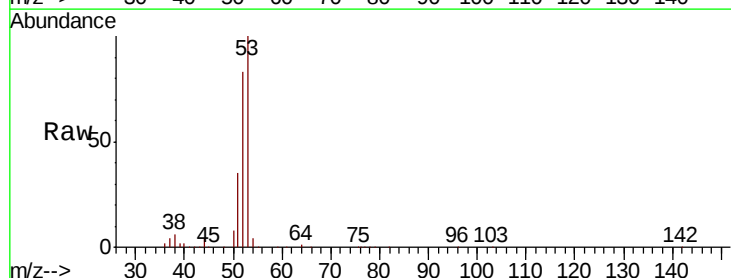
Manual Integrations
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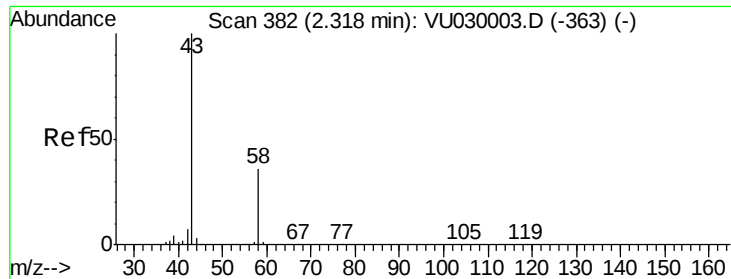
MMDadoda
 3/13/2019 12:56:09 PM



#12
 Acrylonitrile
 Concen: 48.939 ug/l
 RT: 2.93 min Scan# 573
 Delta R.T. -0.00 min
 Lab File: VU030005.D
 Acq: 12 Mar 2019 12:55

Tgt Ion: 53 Resp: 170791
 Ion Ratio Lower Upper
 53 100
 52 81.8 66.3 99.5
 51 34.3 26.9 40.3





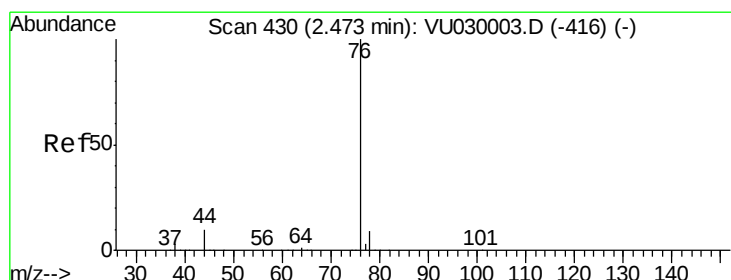
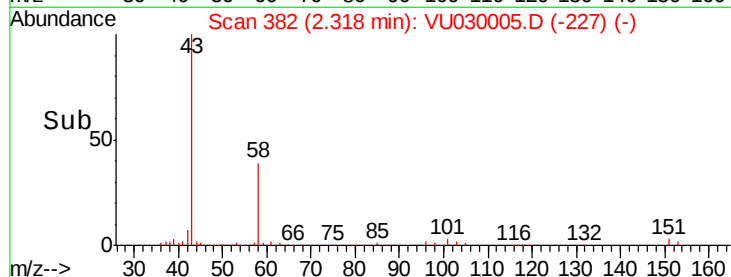
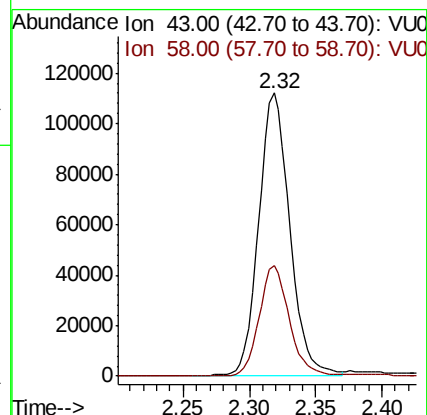
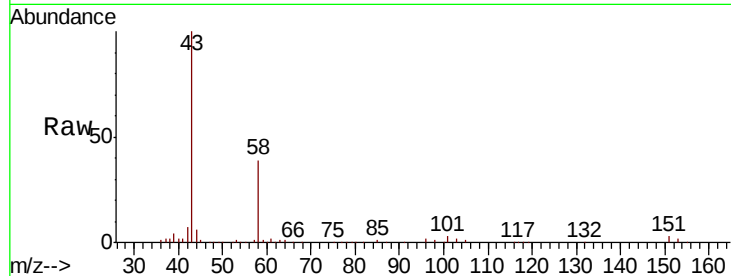
#13
Acetone
Concen: 60.066 ug/l
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Instrument :
MSVOA_U
ClientSampleId :
ICVVU031419

Tgt Ion: 43 Resp: 182490
Ion Ratio Lower Upper
43 100
58 38.9 28.6 43.0

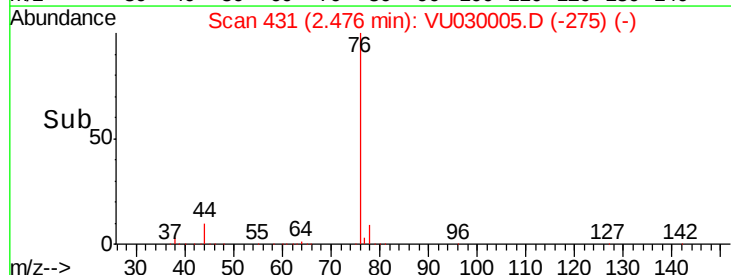
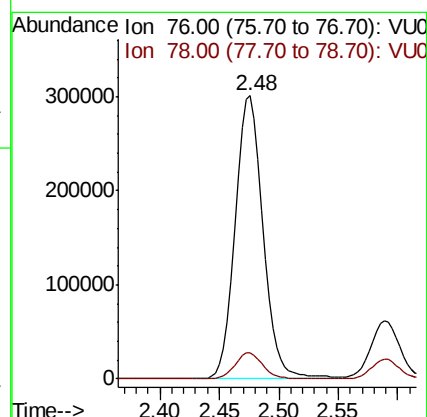
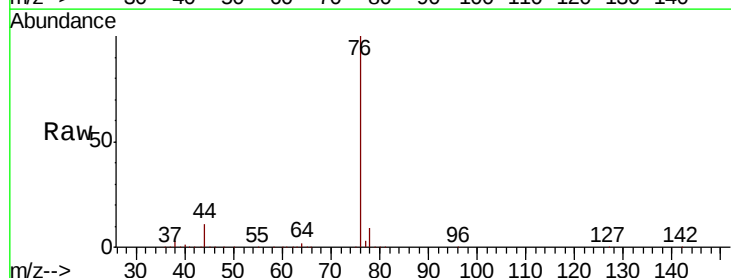
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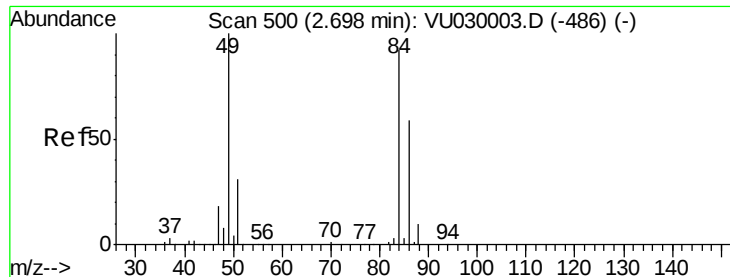
MMDadoda
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#14
Carbon Disulfide
Concen: 8.740 ug/l
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Tgt Ion: 76 Resp: 490648
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2





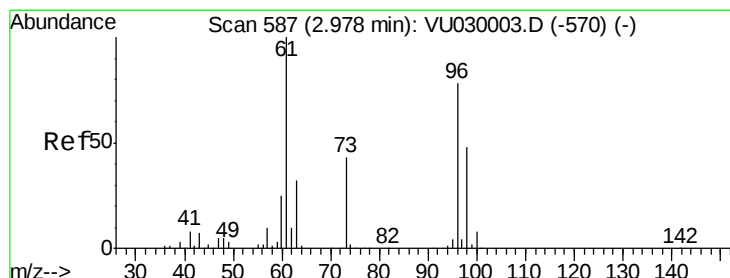
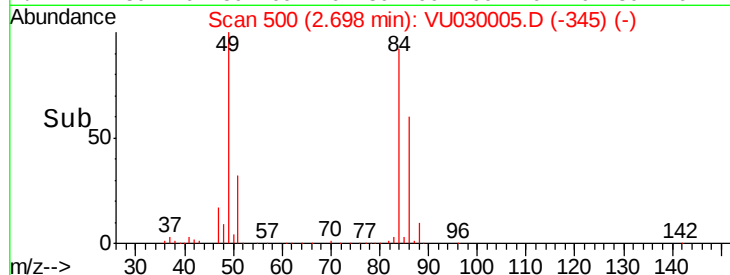
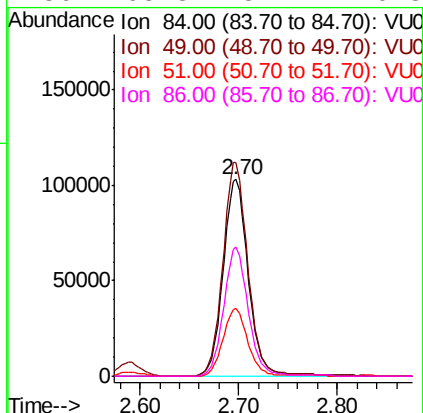
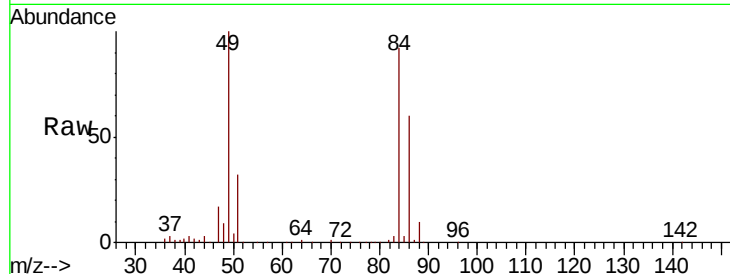
#15
Methylene Chloride
Concen: 9.662 ug/l
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Instrument :
MSVOA_U
ClientSampleId :
ICVVU031419

Tgt Ion	Ratio	Lower	Upper
84	100		
49	108.2	86.5	129.7
51	34.3	0.0	66.8
86	65.3	51.2	76.8

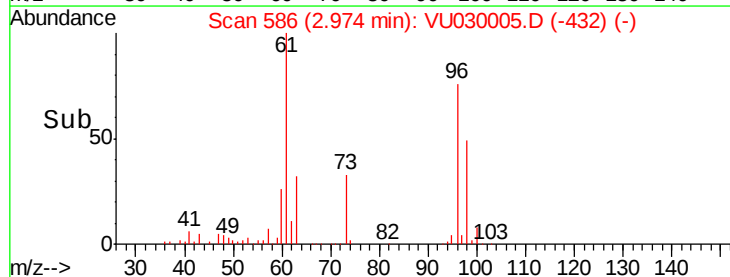
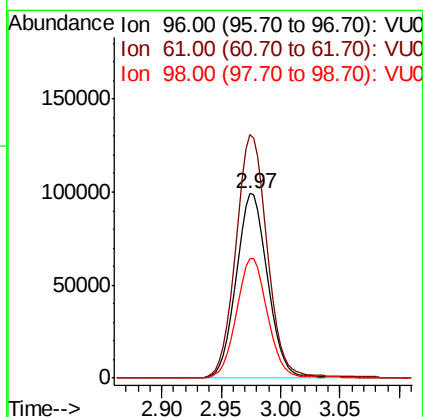
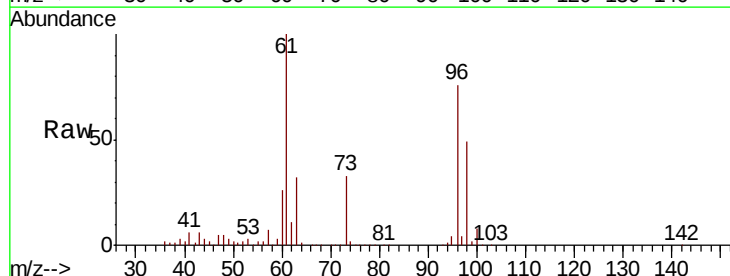
Manual Integrations
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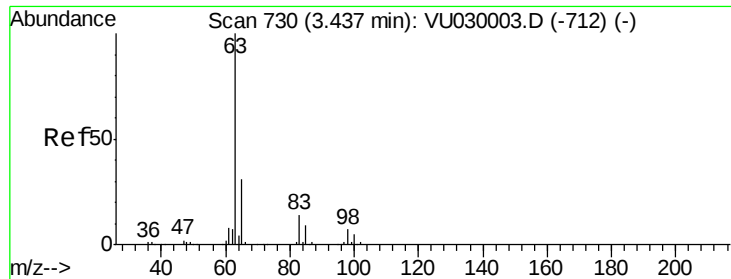
MMDadoda
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#16
trans-1,2-Dichloroethene
Concen: 9.791 ug/l
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.9	103.0	154.6
98	65.0	49.5	74.3





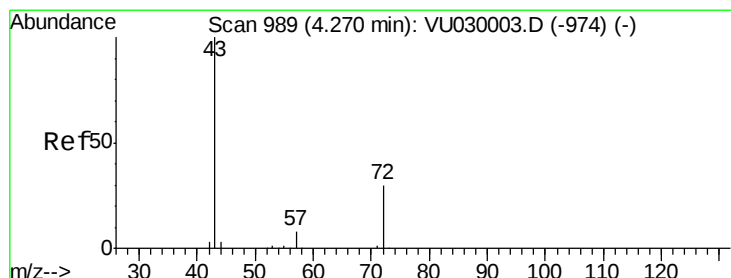
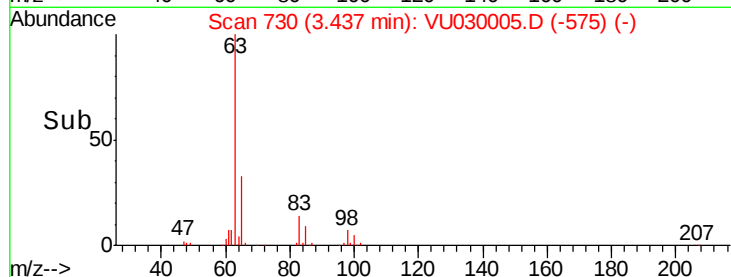
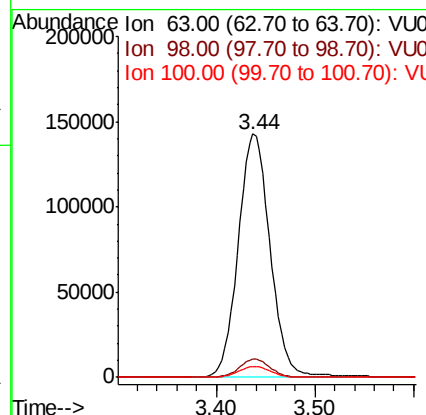
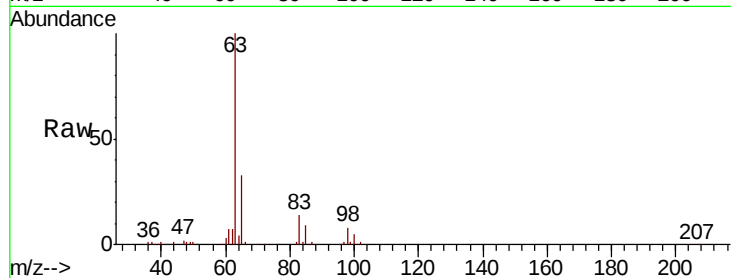
#17
 1,1-Dichloroethane
 Concen: 10.186 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU030005.D
 Acq: 12 Mar 2019 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU031419

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	320410		
98	7.5	3.4	10.2	
100	4.6	2.3	6.8	

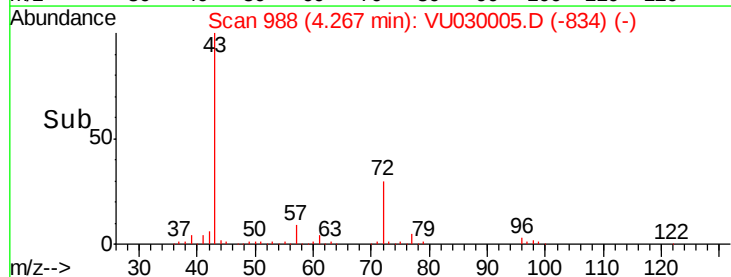
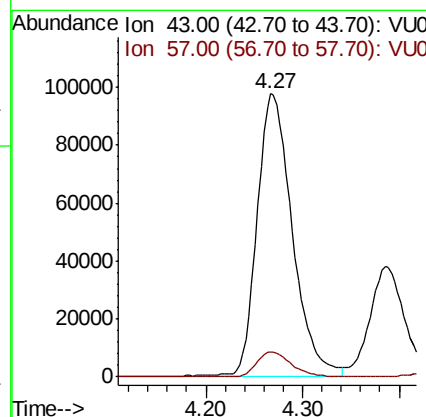
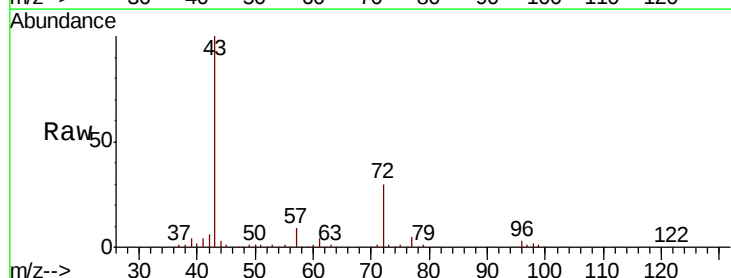
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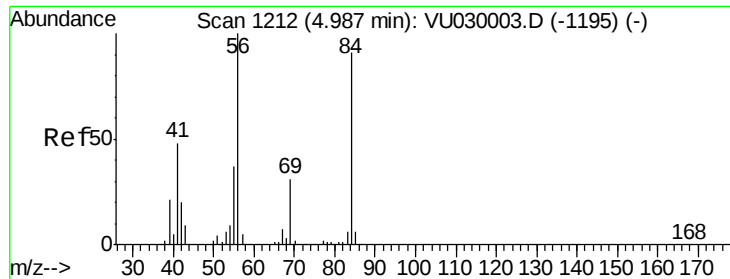
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#18
 2-Butanone
 Concen: 58.203 ug/l
 RT: 4.27 min Scan# 988
 Delta R.T. -0.00 min
 Lab File: VU030005.D
 Acq: 12 Mar 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	244817		
57	8.9	0.0	16.8	





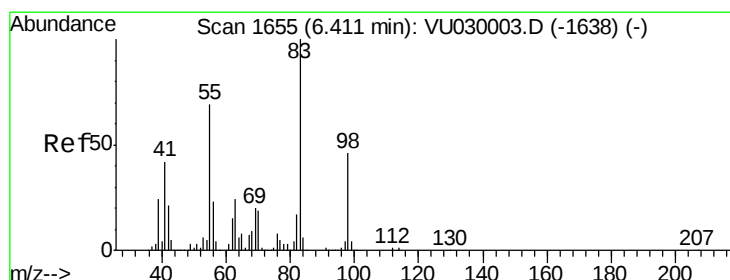
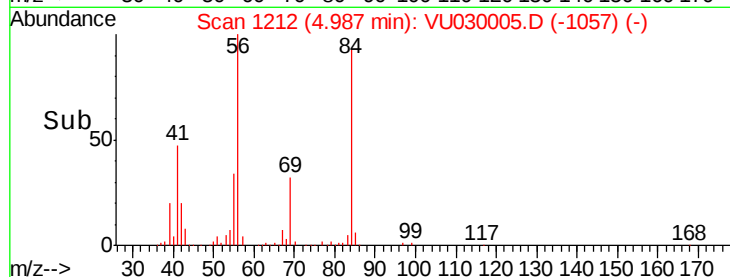
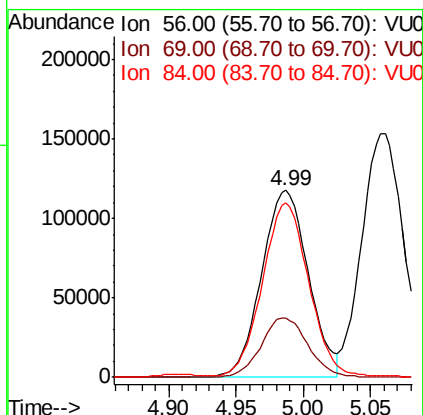
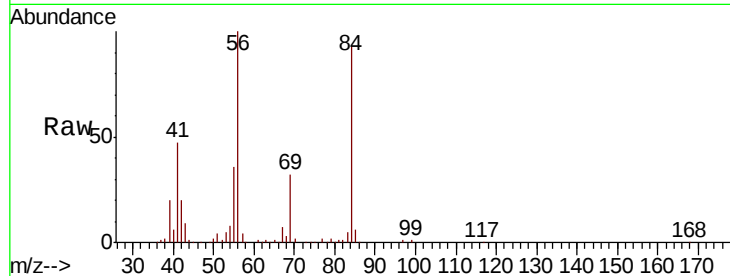
#19
Cyclohexane
Concen: 10.593 ug/l m
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Instrument :
MSVOA_U
ClientSampleId :
ICVVU031419

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.7	38.5
84	91.2	72.9	109.3

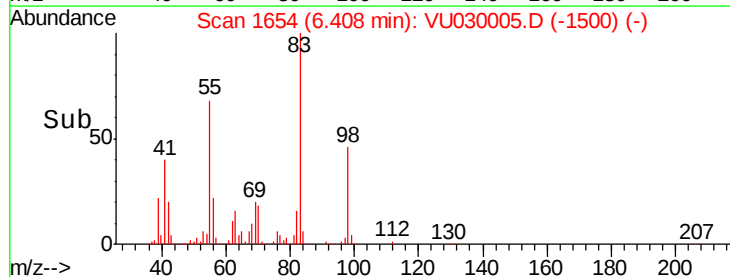
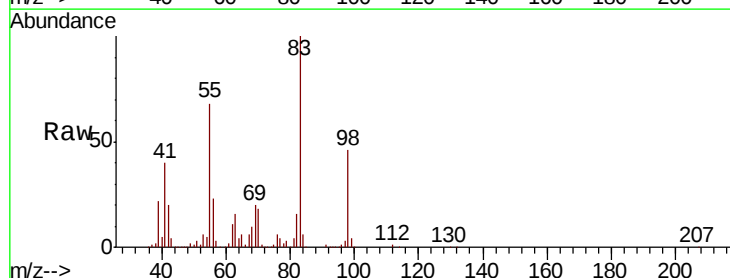
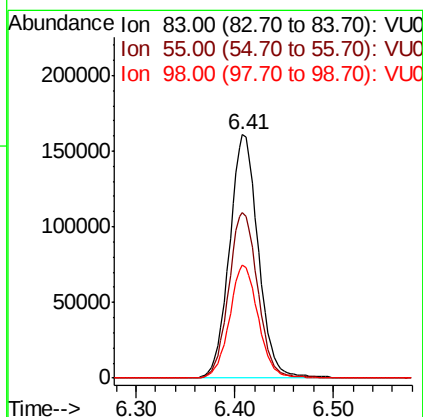
Manual Integrations
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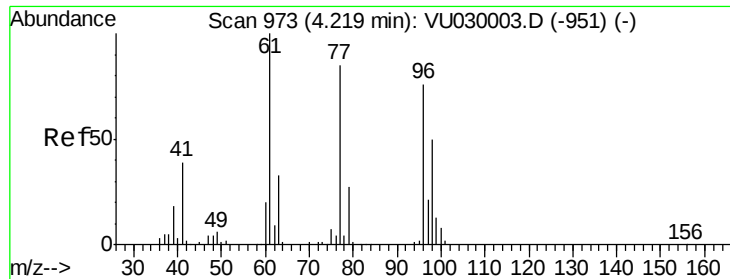
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#20
Methylcyclohexane
Concen: 10.927 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Tgt Ion	Ratio	Lower	Upper
83	100		
55	68.9	55.6	83.4
98	46.4	37.4	56.0





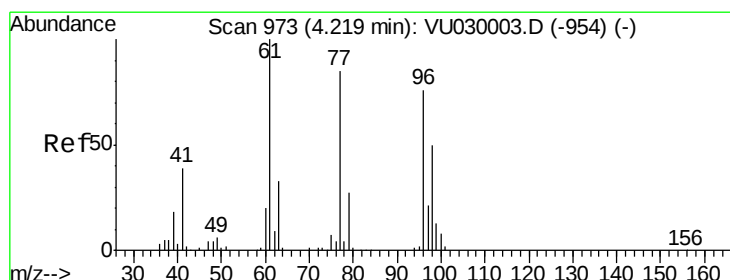
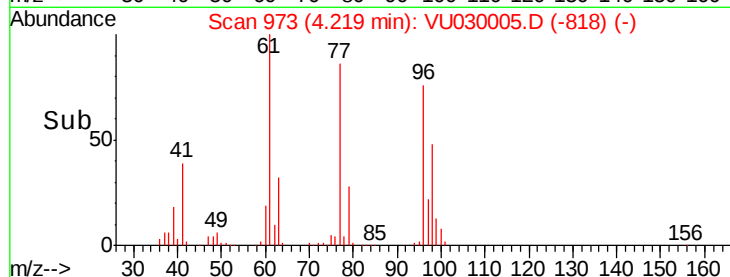
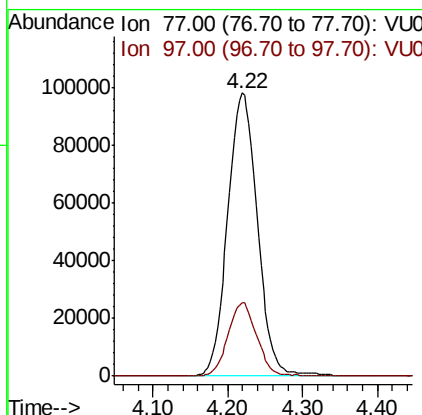
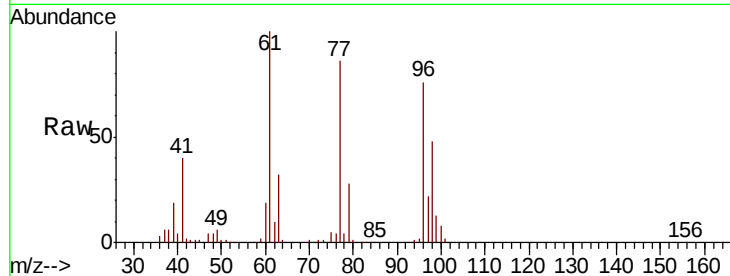
#21
 2,2-Dichloropropane
 Concen: 10.292 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU030005.D
 Acq: 12 Mar 2019 12:55

Instrument :
 MSVOA_U
 ClientSampled :
 ICVVU031419

Tgt Ion: 77 Resp: 272229
 Ion Ratio Lower Upper
 77 100
 97 24.9 20.2 30.4

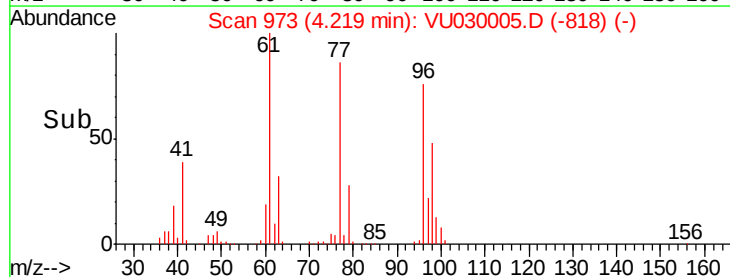
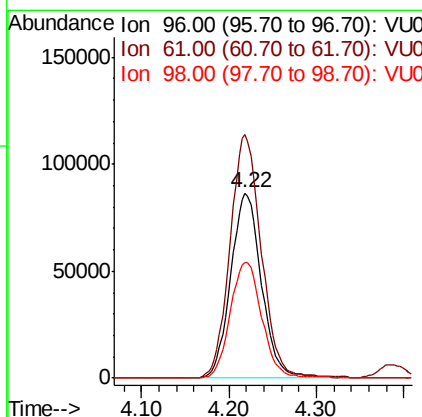
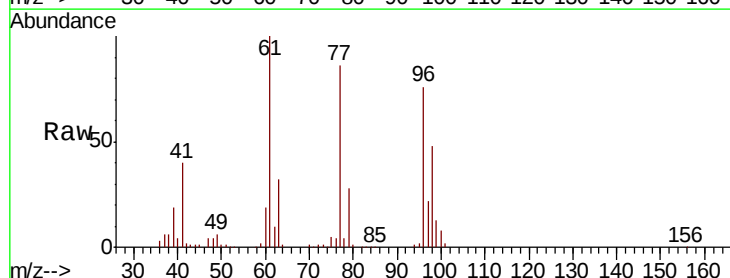
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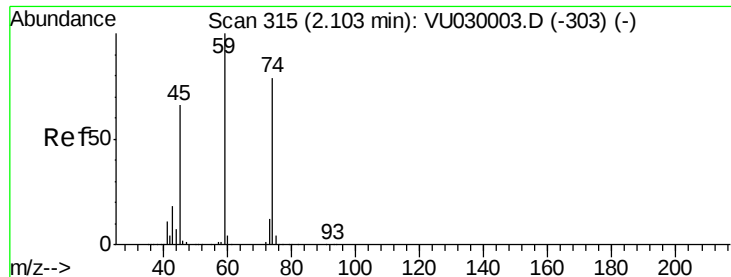
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#22
 cis-1,2-Dichloroethene
 Concen: 10.239 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU030005.D
 Acq: 12 Mar 2019 12:55

Tgt Ion: 96 Resp: 211789
 Ion Ratio Lower Upper
 96 100
 61 133.7 0.0 335.8
 98 64.6 32.6 97.7





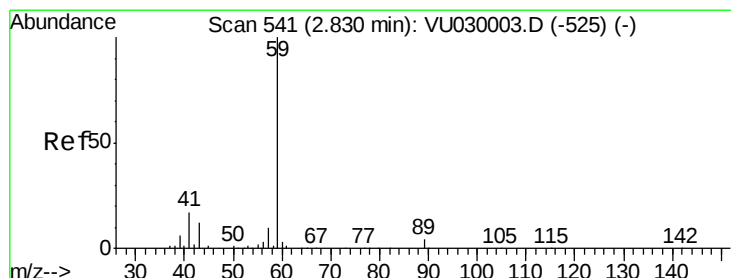
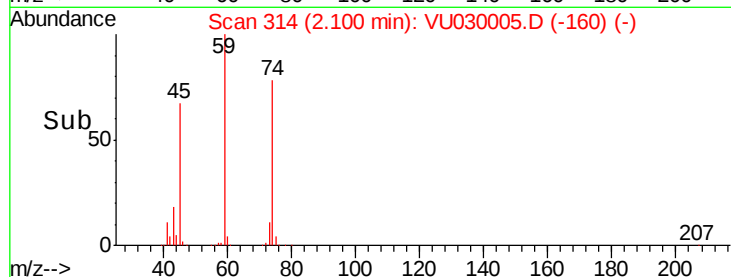
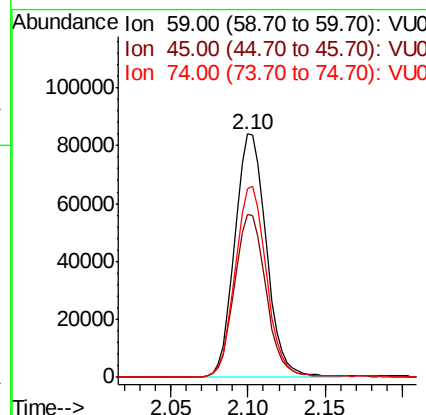
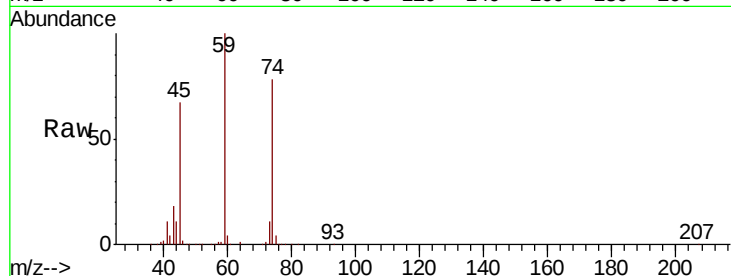
#23
Diethyl Ether
Concen: 9.887 ug/l
RT: 2.10 min Scan# 314
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Instrument :
MSVOA_U
ClientSampleId :
ICVVU031419

Tgt Ion	Ratio	Lower	Upper
59	100		
45	67.3	52.3	78.5
74	77.9	61.1	91.7

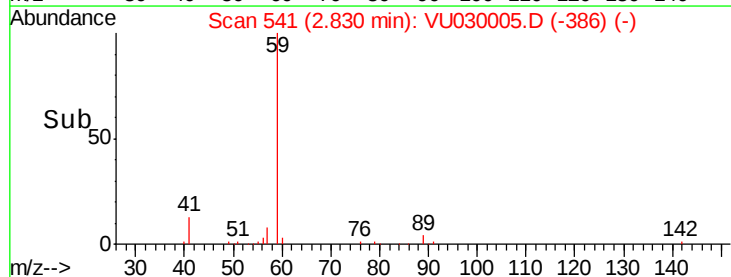
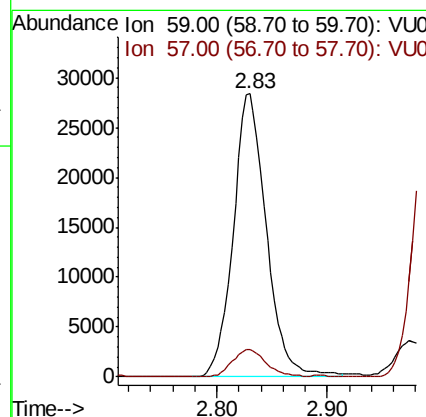
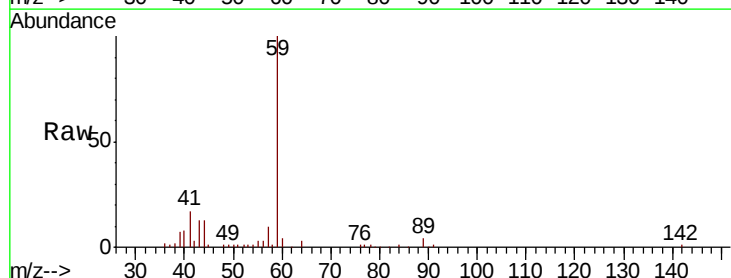
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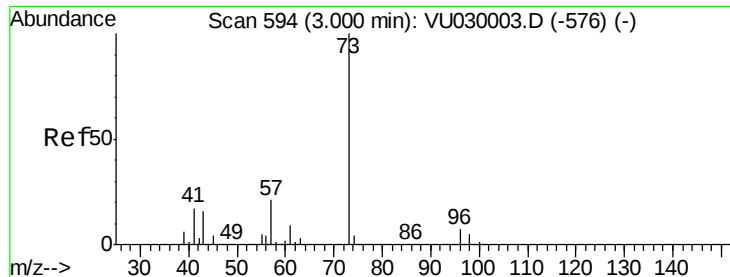
MMDadoda
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#24
tert-Butyl Alcohol
Concen: 45.870 ug/l
RT: 2.83 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.7	11.5





#25

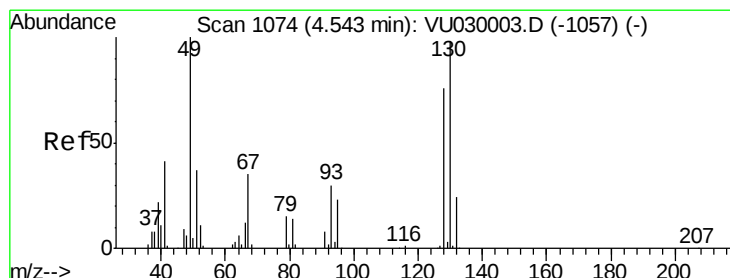
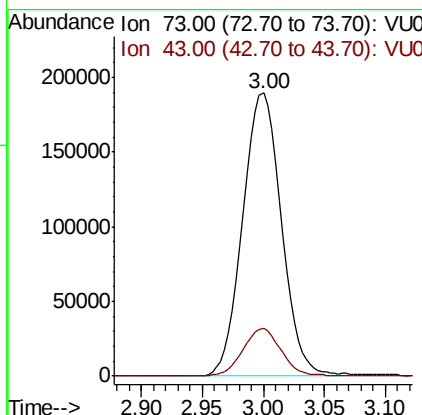
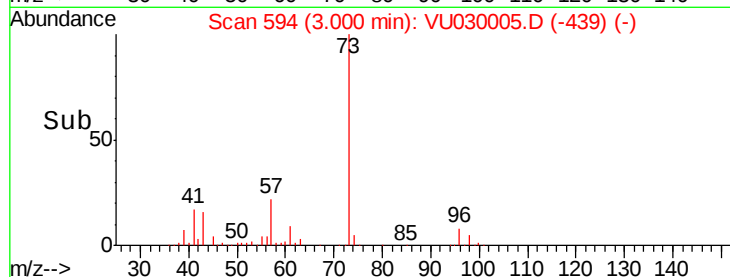
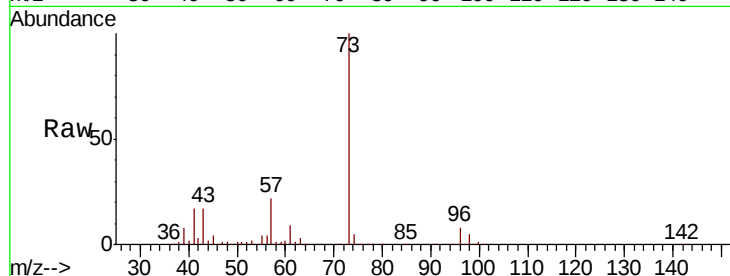
Methyl tert-Butyl Ether
 Concen: 10.236 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VU030005.D
 Acq: 12 Mar 2019 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU031419

Tgt Ion	Ratio	Lower	Upper
73	100		
43	16.3	13.1	19.7

Manual Integrations
 APPROVED

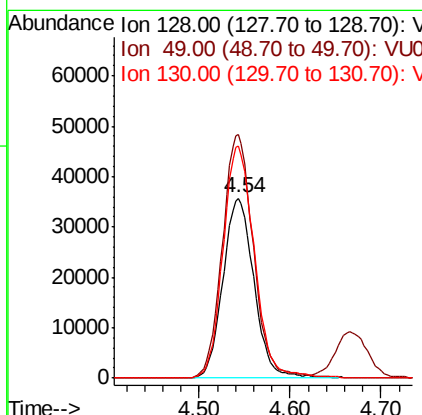
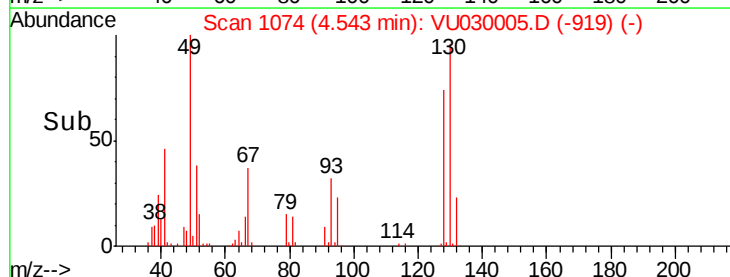
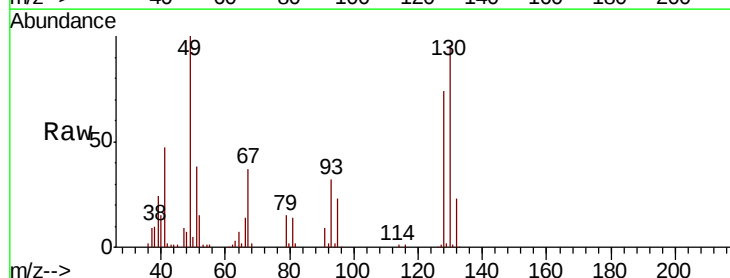
MMDadoda
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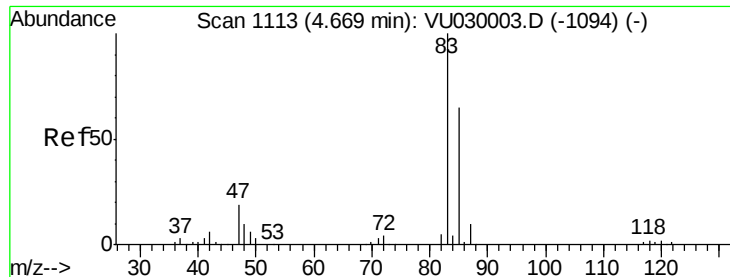


#26

Bromochloromethane
 Concen: 9.360 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VU030005.D
 Acq: 12 Mar 2019 12:55

Tgt Ion	Ratio	Lower	Upper
128	100		
49	134.8	0.0	270.4
130	130.5	102.6	153.8





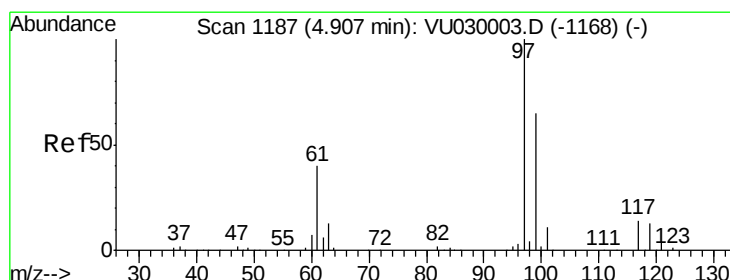
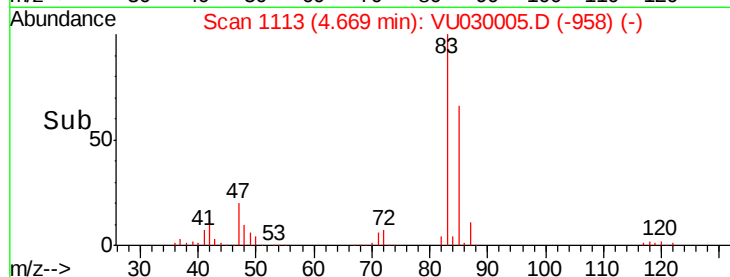
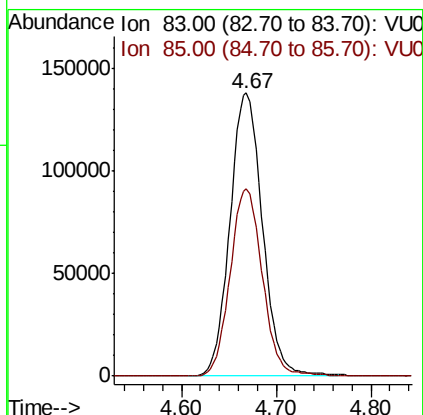
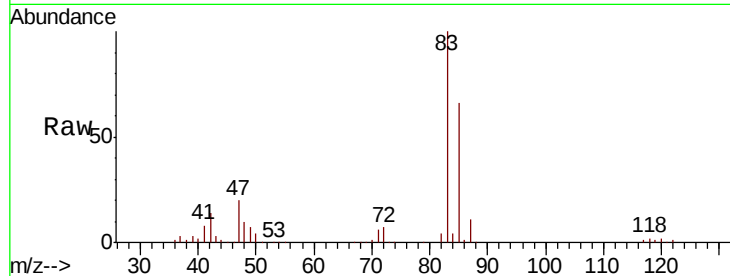
#27
Chloroform
Concen: 9.977 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Instrument :
MSVOA_U
ClientSampleId :
ICVVU031419

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	330207		
85	66.1	0.0	129.0	

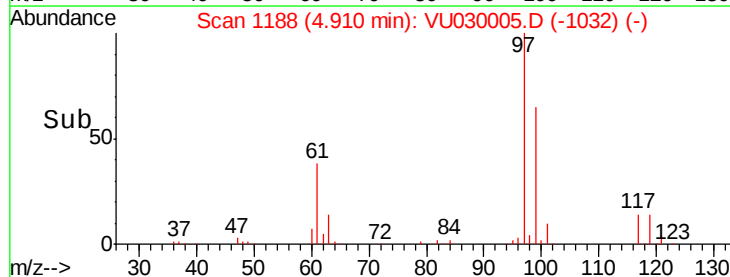
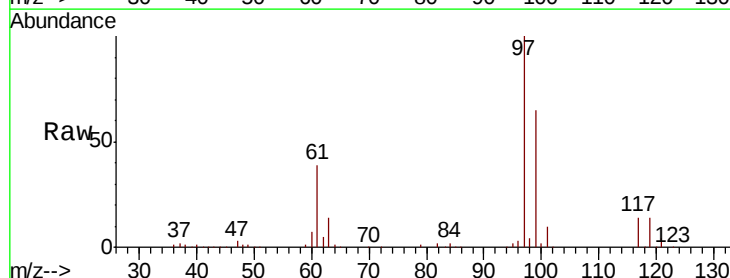
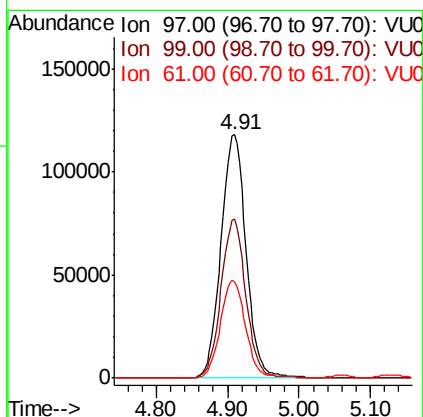
Manual Integrations
APPROVED

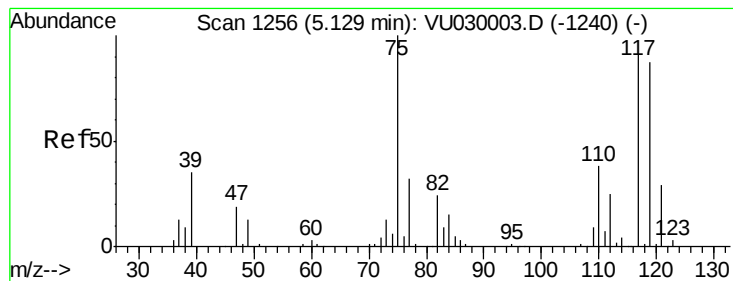
MMDadoda
3/13/2019 12:56:09 PM



#28
1,1,1-Trichloroethane
Concen: 10.615 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	289062		
99	64.7	32.4	97.0	
61	40.0	20.4	61.2	





#29

1,1-Dichloropropene

Concen: 10.352 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

Instrument :

MSVOA_U

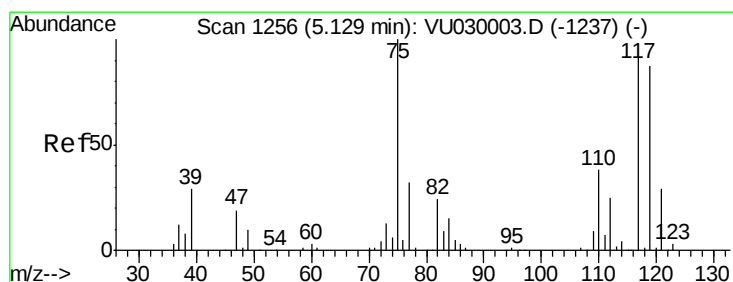
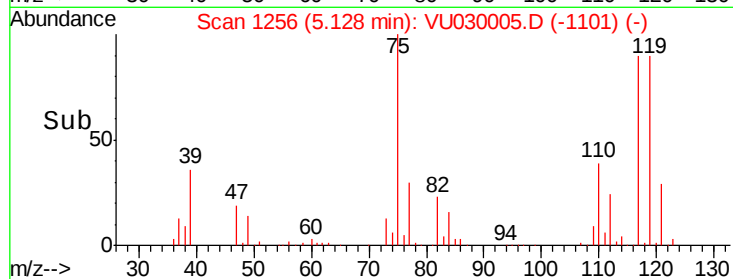
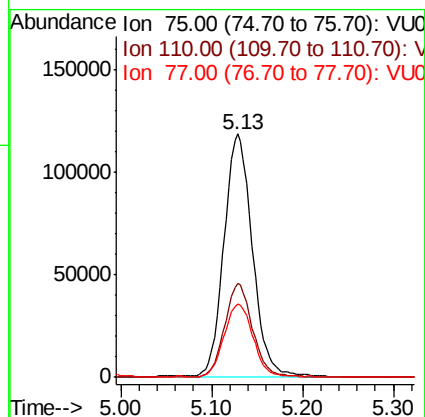
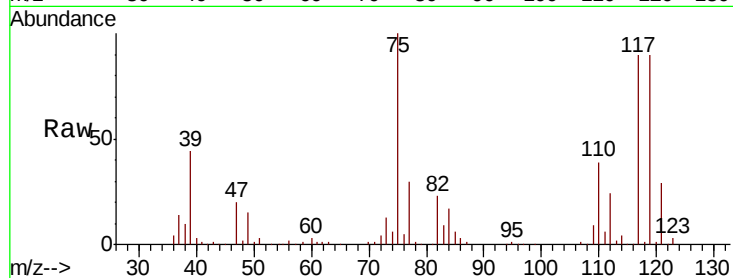
ClientSampleId :

ICVVU031419

Tgt Ion:	75	Resp:	256643
Ion Ratio	Lower	Upper	
75	100		
110	38.4	19.1	57.3
77	30.4	25.2	37.8

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 10.525 ug/l

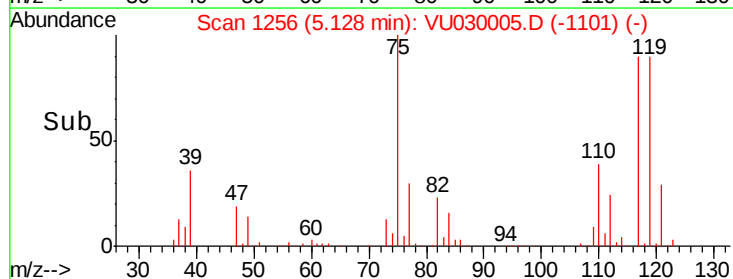
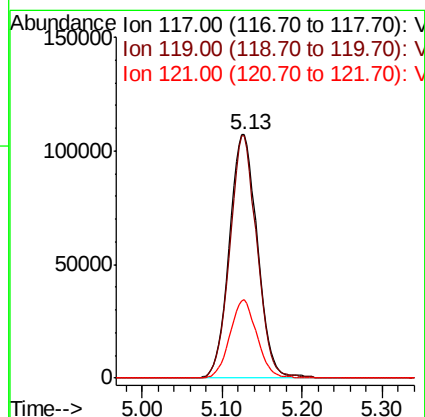
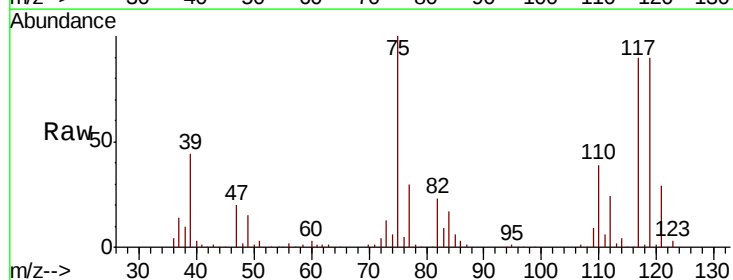
RT: 5.13 min Scan# 1256

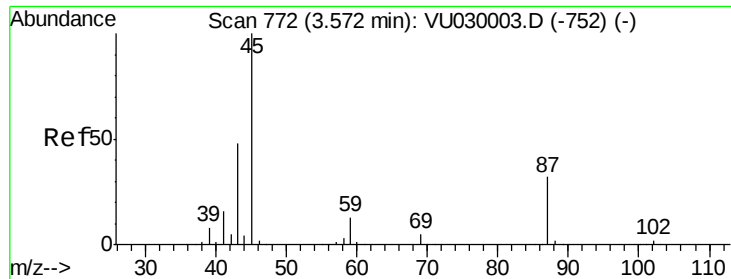
Delta R.T. -0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

Tgt Ion:	117	Resp:	256214
Ion Ratio	Lower	Upper	
117	100		
119	99.6	76.3	114.5
121	32.0	25.1	37.7





#31

Isopropyl Ether

Concen: 11.045 ug/l

RT: 3.57 min Scan# 772

Delta R.T. -0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

ICVVU031419

Tgt Ion: 45 Resp: 488941

Ion Ratio Lower Upper

45 100

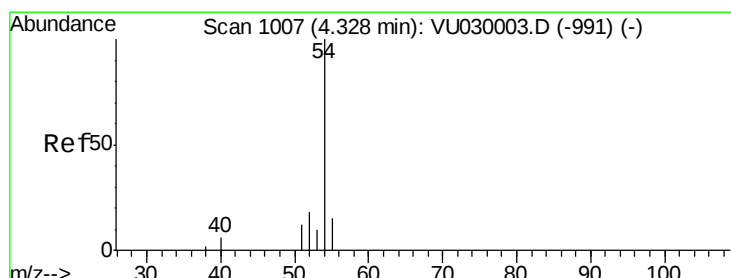
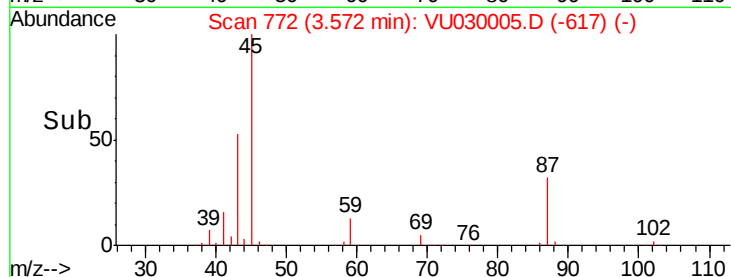
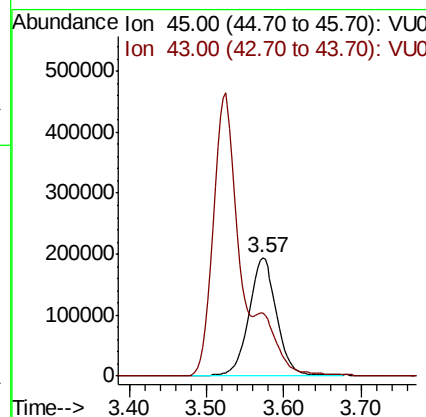
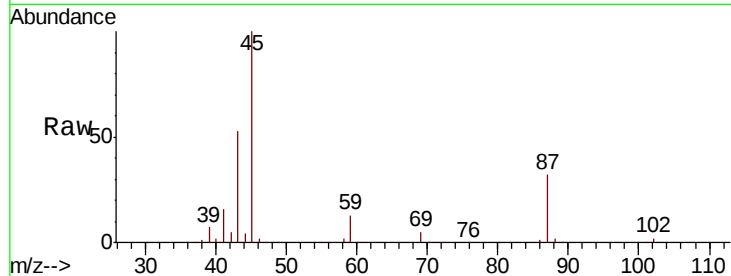
43 207.1 24.5 73.5#

Manual Integrations

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#34

Propionitrile

Concen: 112.130 ug/l

RT: 4.32 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

Tgt Ion: 54 Resp: 131474

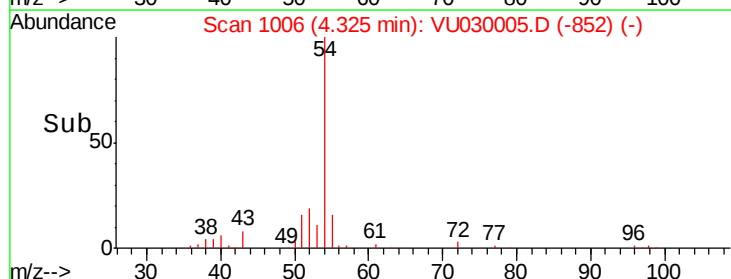
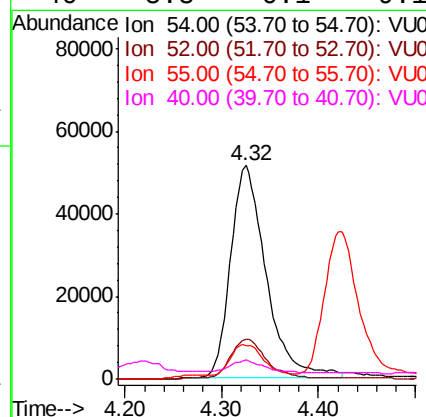
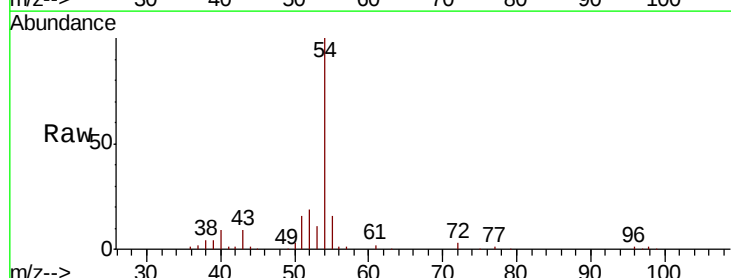
Ion Ratio Lower Upper

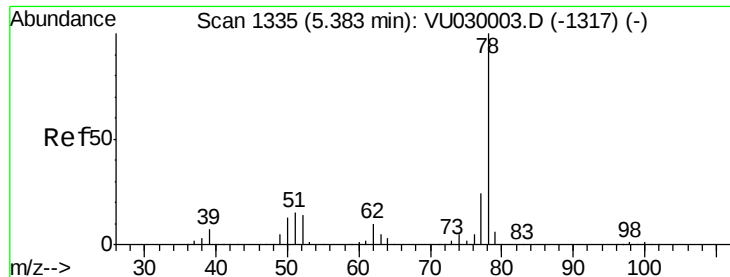
54 100

52 18.4 15.8 23.6

55 16.4 12.5 18.7

40 5.8 6.1 9.1#





#35

Benzene

Concen: 10.443 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

ICVVU031419

Tgt Ion: 78 Resp: 757456

Ion Ratio Lower Upper

78 100

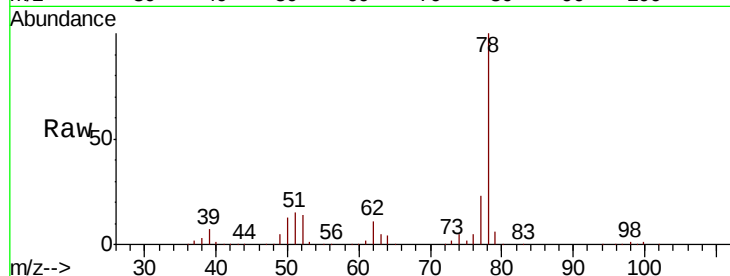
77 22.9 18.9 28.3

Manual Integrations

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Abundance Ion 78.10 (77.80 to 78.80): VU030005.D (-1180) (-)

Ion 77.00 (76.70 to 77.70): VU030005.D (-1180) (-)

5.38

400000

300000

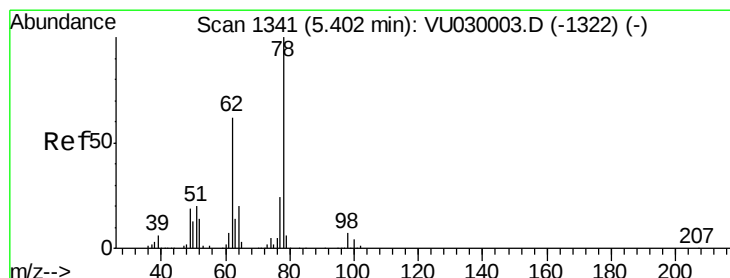
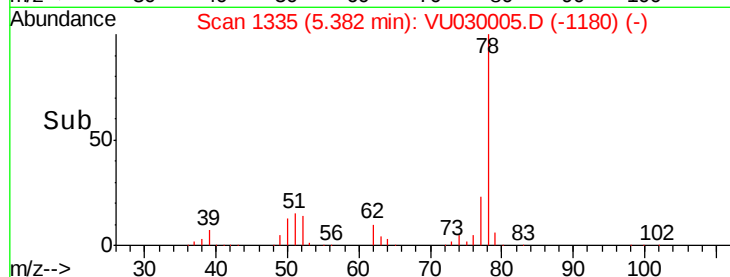
200000

100000

0

5.30 5.40 5.50

Time-->



#36

1,2-Dichloroethane

Concen: 10.099 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU030005.D

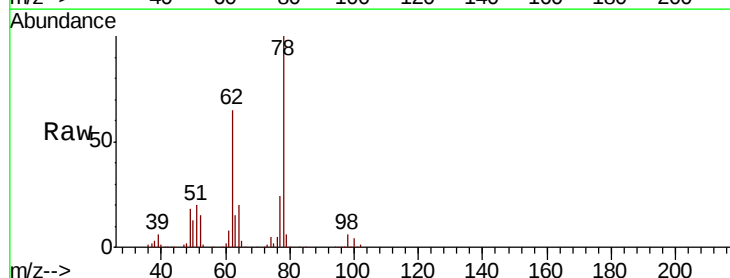
Acq: 12 Mar 2019 12:55

Tgt Ion: 62 Resp: 195858

Ion Ratio Lower Upper

62 100

98 9.8 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VU030005.D (-1186) (-)

Ion 98.00 (97.70 to 98.70): VU030005.D (-1186) (-)

5.40

100000

80000

60000

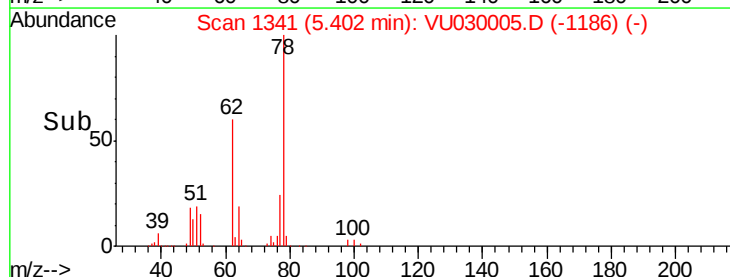
40000

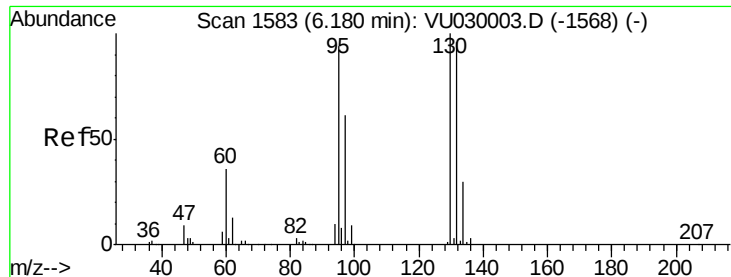
20000

0

5.30 5.40 5.50

Time-->





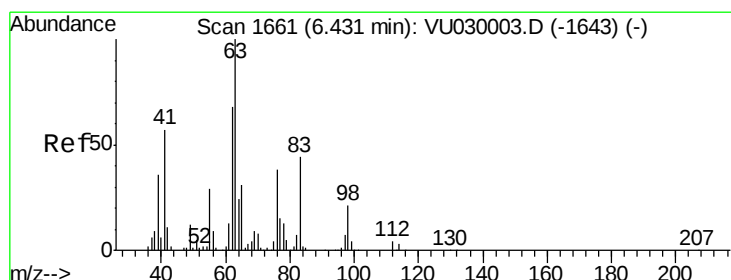
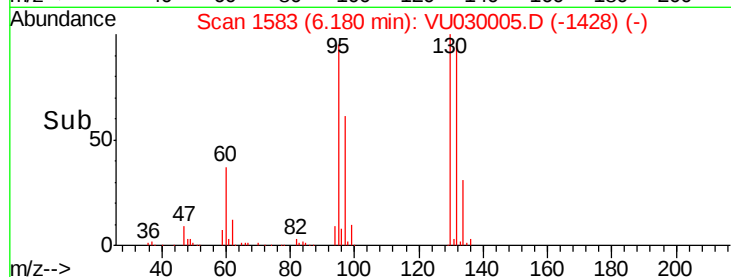
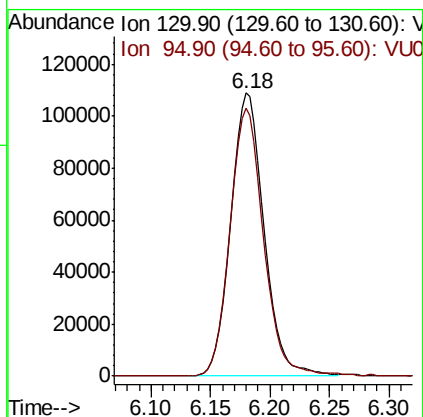
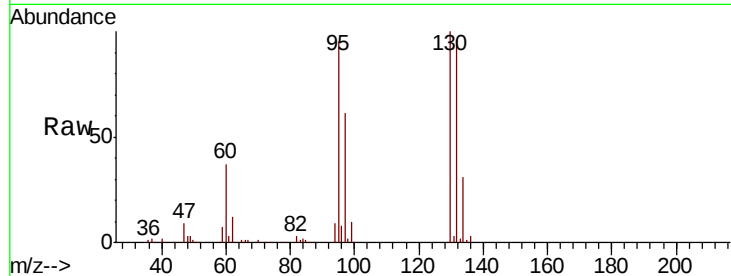
#37
 Trichloroethene
 Concen: 10.094 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU030005.D
 Acq: 12 Mar 2019 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU031419

Tgt Ion:130 Resp: 210882
 Ion Ratio Lower Upper
 130 100
 95 94.6 75.2 112.8

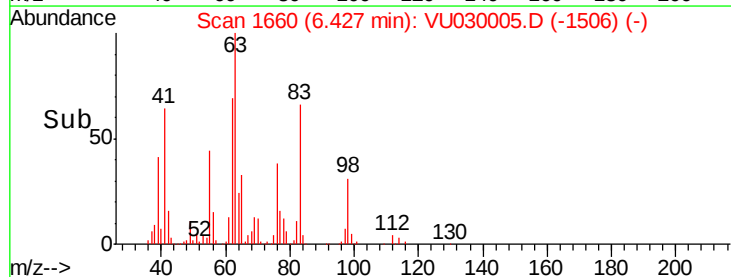
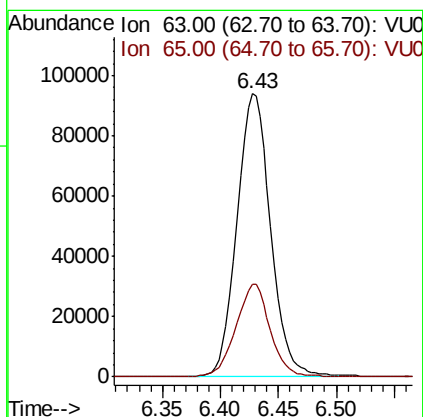
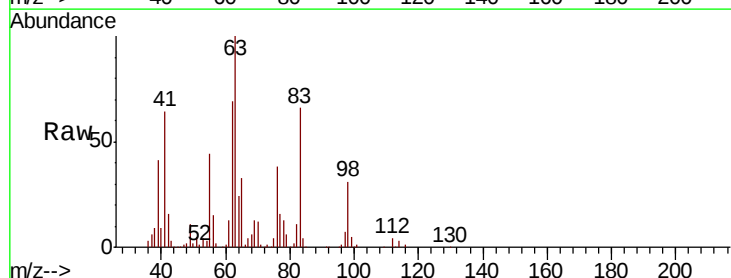
Manual Integrations
 APPROVED

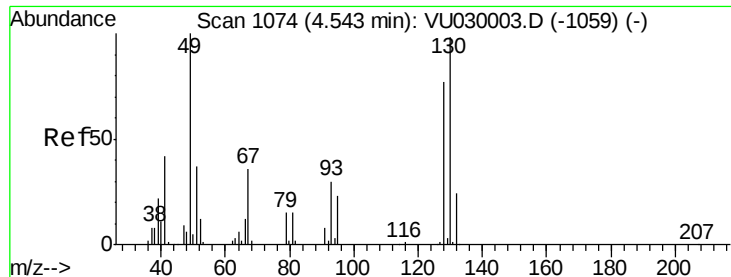
MMDadoda
 3/13/2019 12:56:09 PM



#38
 1,2-Dichloropropane
 Concen: 10.258 ug/l
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU030005.D
 Acq: 12 Mar 2019 12:55

Tgt Ion: 63 Resp: 189137
 Ion Ratio Lower Upper
 63 100
 65 32.8 24.9 37.3





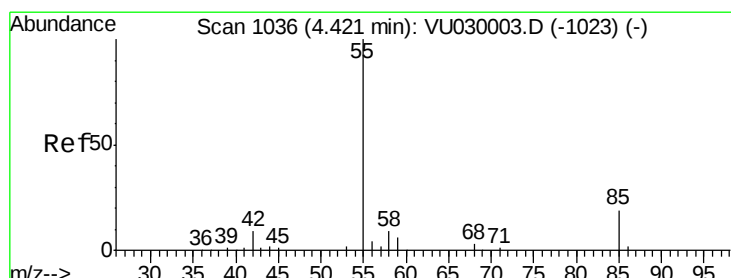
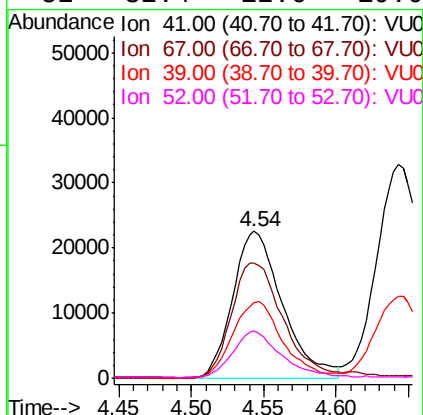
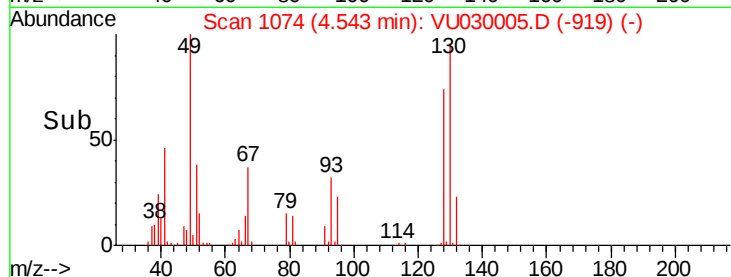
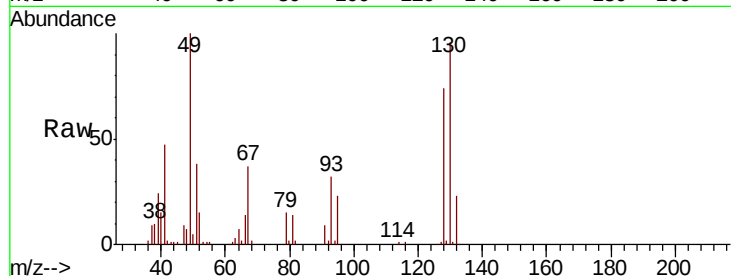
#39
Methacrylonitrile
Concen: 10.532 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Instrument :
MSVOA_U
ClientSampleId :
ICVVU031419

Tgt Ion	Ratio	Lower	Upper
41	100		
67	81.5	71.4	107.0
39	52.7	41.9	62.9
52	32.4	12.6	19.0#

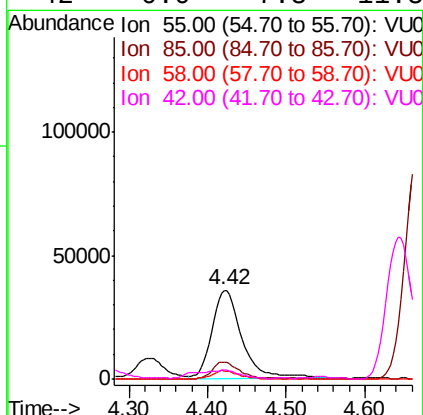
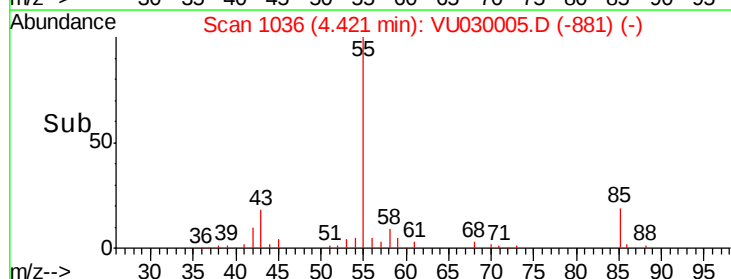
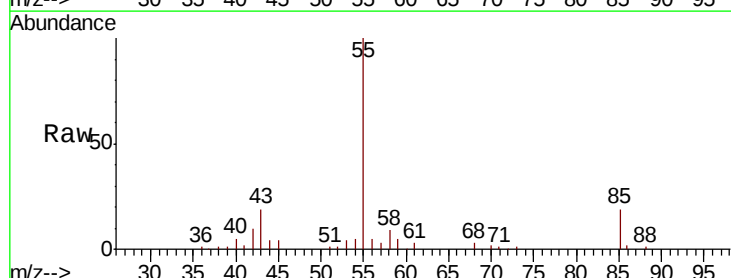
Manual Integrations
APPROVED

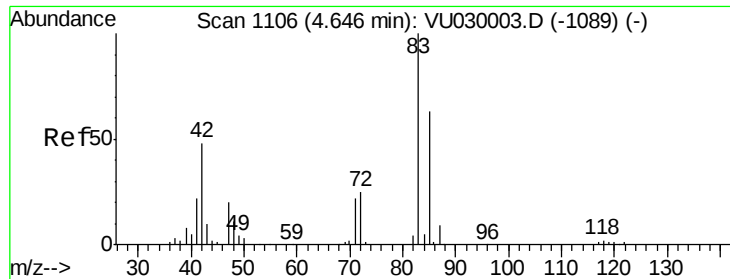
MMDadoda
3/13/2019 12:56:09 PM



#40
Methyl acrylate
Concen: 11.607 ug/l
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Tgt Ion	Ratio	Lower	Upper
55	100		
85	17.4	16.2	24.2
58	8.4	7.0	10.6
42	0.0	7.8	11.8#





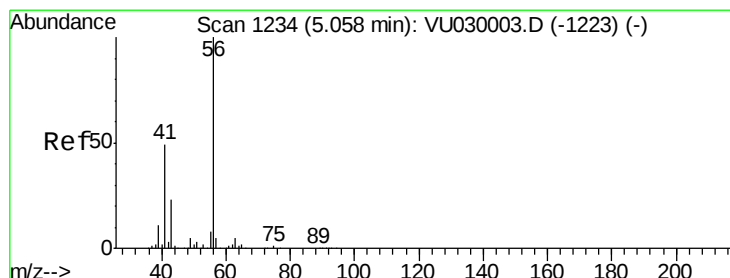
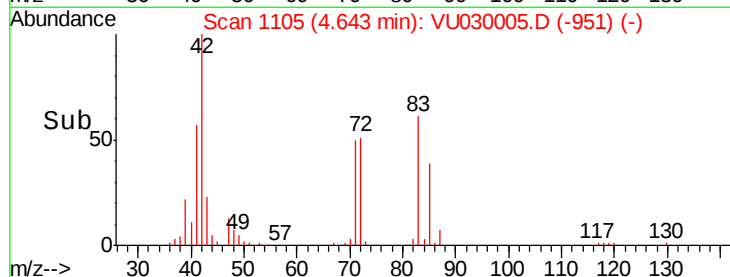
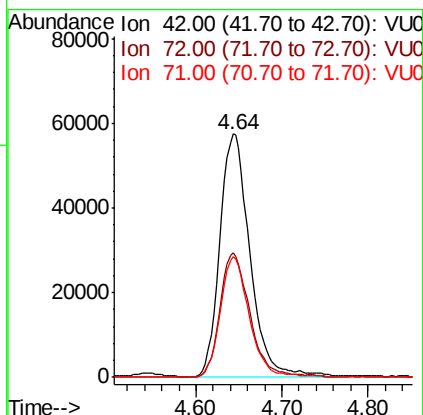
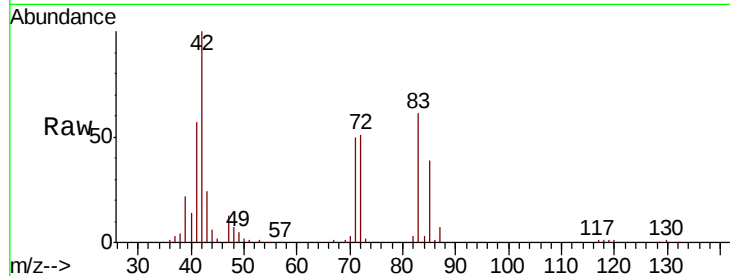
#41
Tetrahydrofuran
Concen: 49.863 ug/l
RT: 4.64 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Instrument :
MSVOA_U
ClientSampleId :
ICVVU031419

Tgt Ion	Ratio	Lower	Upper
42	100		
72	50.1	44.9	67.3
71	47.1	37.8	56.8

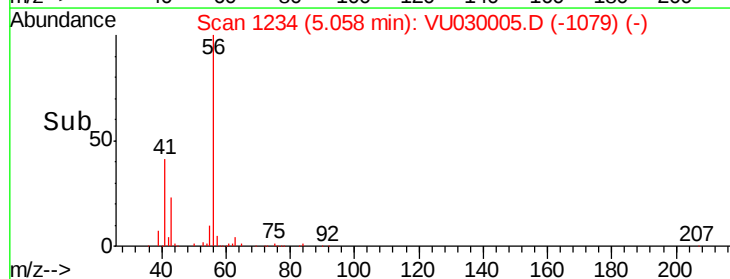
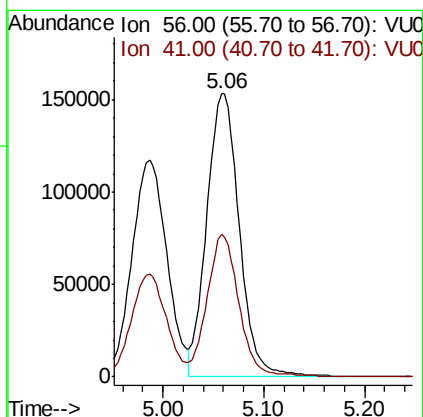
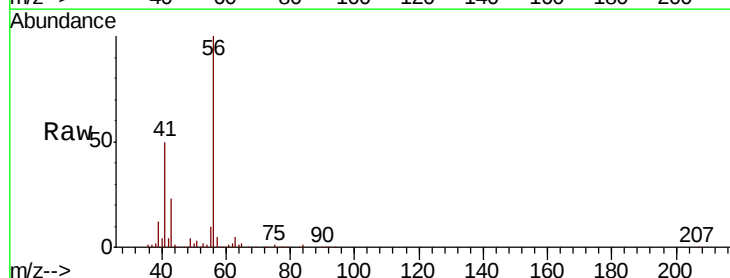
Manual Integrations
APPROVED

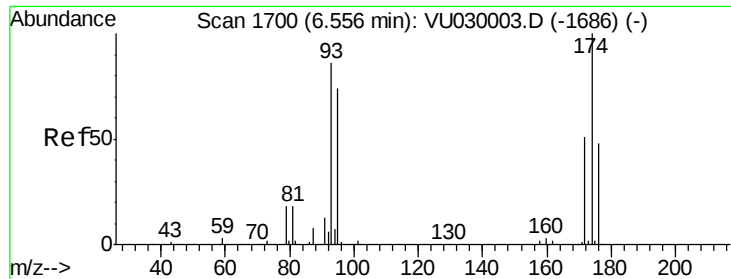
MMDadoda
3/13/2019 12:56:09 PM



#42
1-Chlorobutane
Concen: 10.514 ug/l
RT: 5.06 min Scan# 1234
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Tgt Ion	Ratio	Lower	Upper
56	100		
41	49.7	24.7	74.1





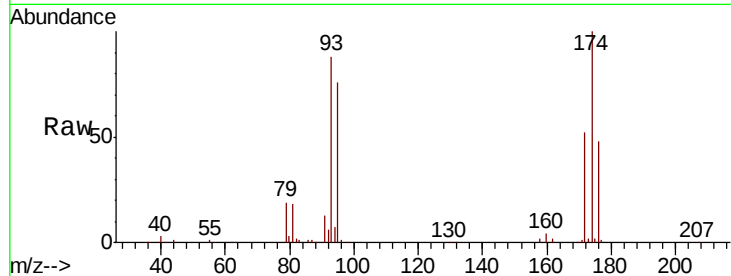
#43
Dibromomethane
Concen: 10.197 ug/l
RT: 6.56 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Instrument :
MSVOA_U
ClientSampleId :
ICVVU031419

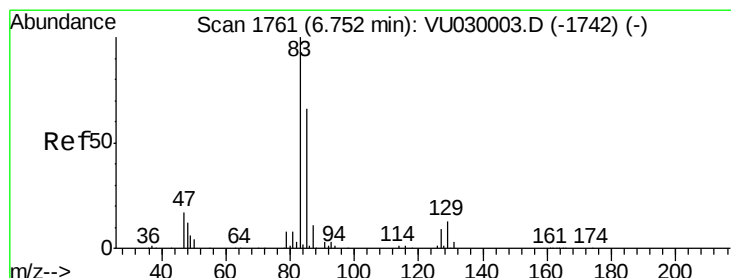
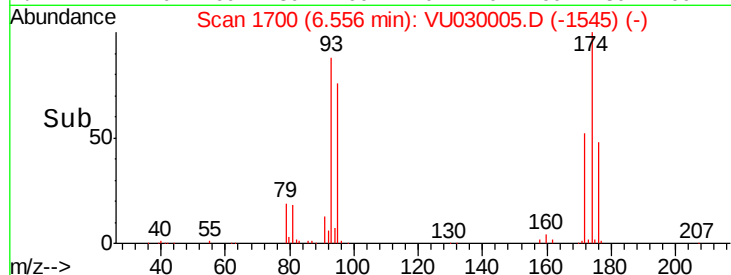
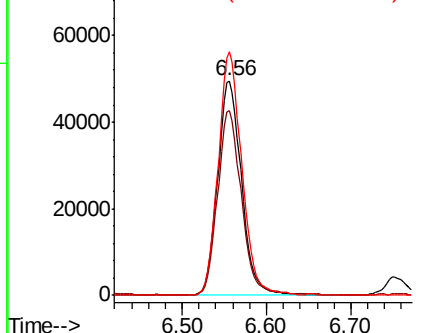
Tgt Ion: 93 Resp: 97274
Ion Ratio Lower Upper
93 100
95 86.3 68.6 102.8
174 112.6 91.8 137.8

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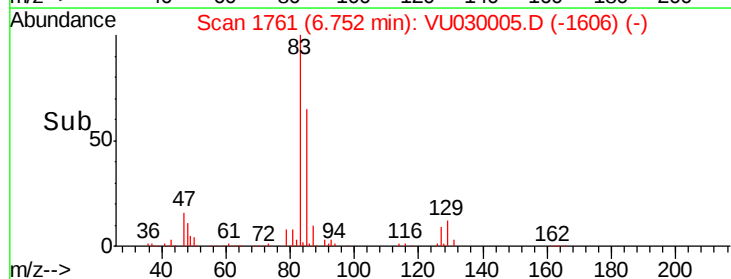
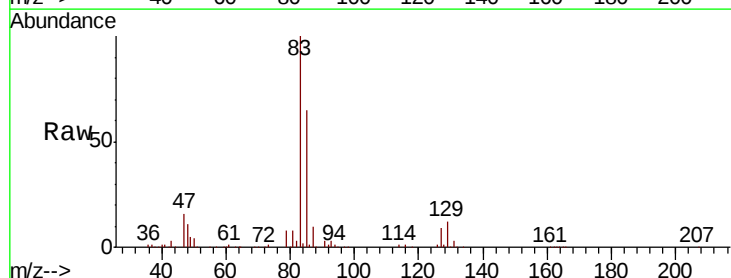
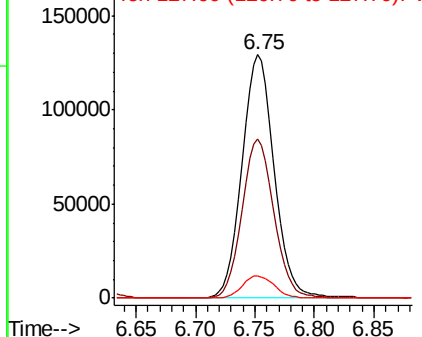
Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V

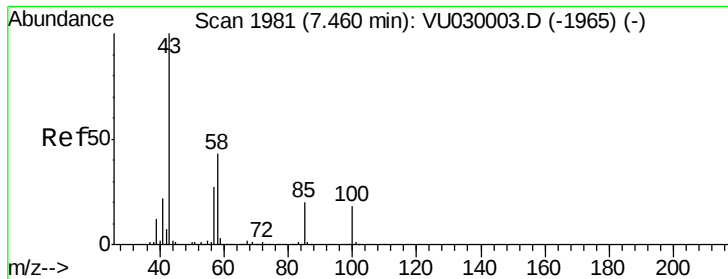


#44
Bromodichloromethane
Concen: 10.567 ug/l
RT: 6.75 min Scan# 1761
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Tgt Ion: 83 Resp: 240480
Ion Ratio Lower Upper
83 100
85 65.4 53.2 79.8
127 9.0 7.4 11.0

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





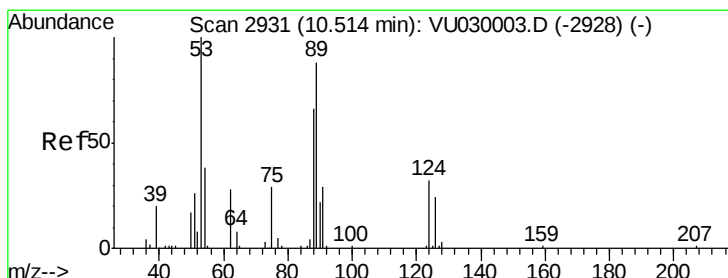
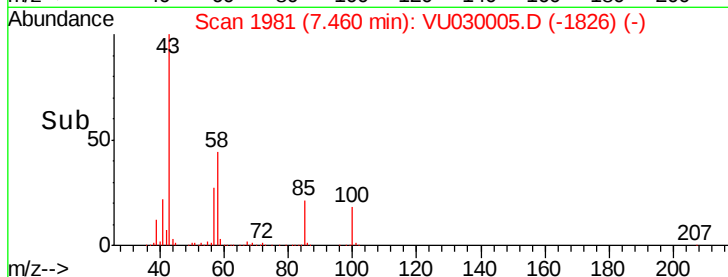
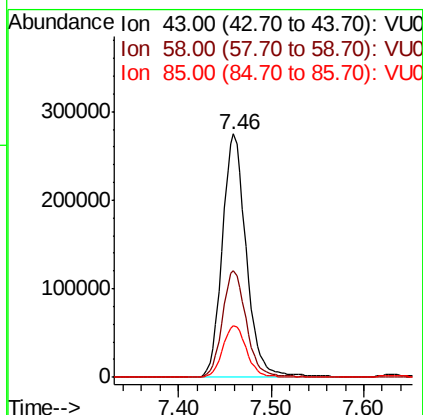
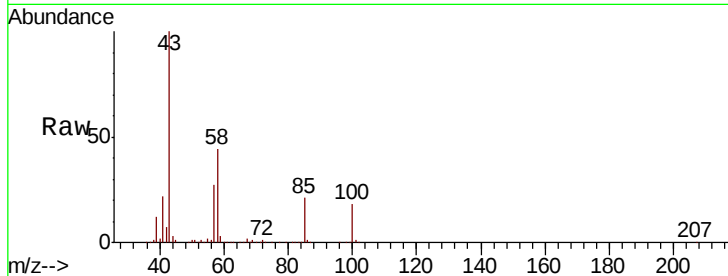
#45
 4-Methyl-2-Pentanone
 Concen: 52.307 ug/l
 RT: 7.46 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: VU030005.D
 Acq: 12 Mar 2019 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU031419

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	492989		
58	43.9	21.6	64.6	
85	21.3	16.3	24.5	

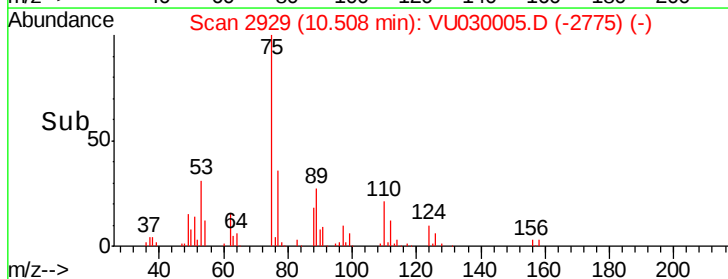
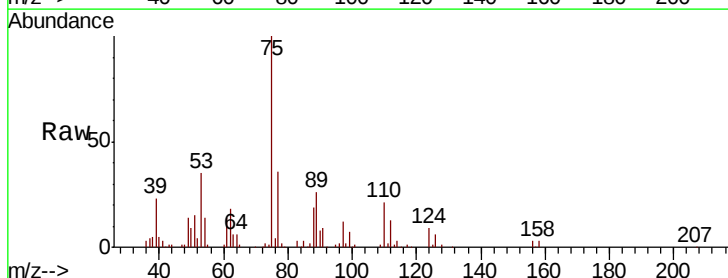
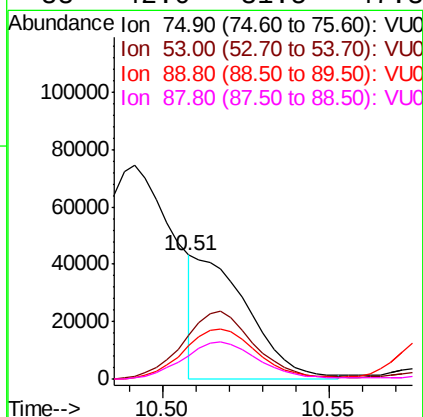
Manual Integrations
 APPROVED

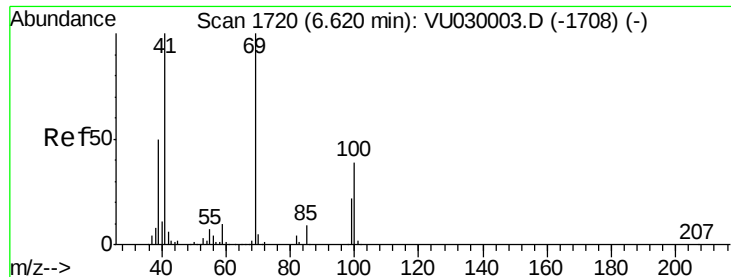
MMDadoda
 3/13/2019 12:56:09 PM



#46
 t-1,4-Dichloro-2-butene
 Concen: 11.046 ug/l m
 RT: 10.51 min Scan# 2929
 Delta R.T. -0.01 min
 Lab File: VU030005.D
 Acq: 12 Mar 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	48224		
53	73.6	57.0	85.6	
89	56.6	43.6	65.4	
88	42.0	31.5	47.3	





#47

Methyl methacrylate

Concen: 11.513 ug/l

RT: 6.62 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

Instrument :

MSVOA_U

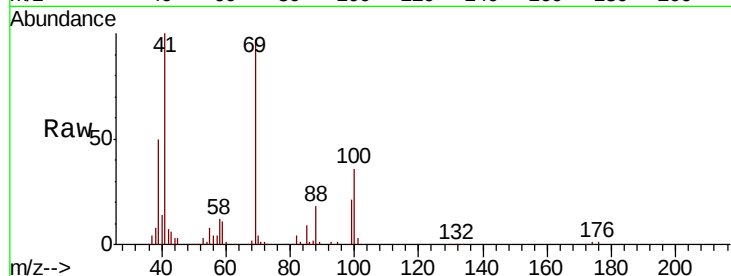
ClientSampleId :

ICVVU031419

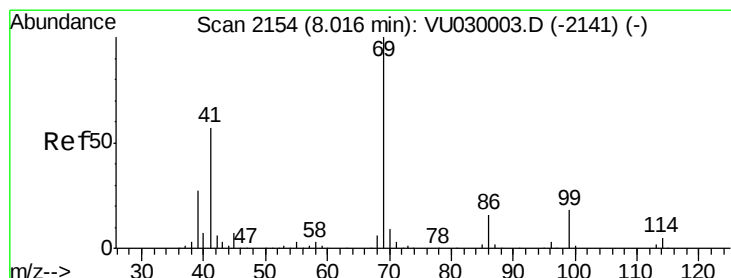
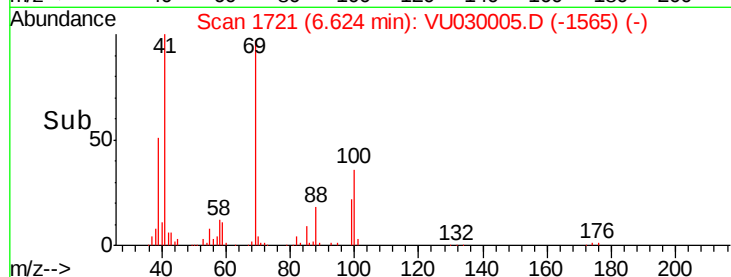
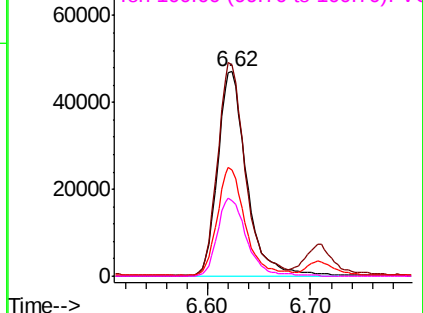
Tgt Ion:	69	Resp:	92006
Ion	Ratio	Lower	Upper
69	100		
41	99.1	0.0	197.8
39	50.9	40.2	60.4
100	38.4	31.0	46.6

Manual Integrations
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Abundance Ion 69.00 (68.70 to 69.70): VU030003.D (-1708) (-)



#48

Ethyl methacrylate

Concen: 11.334 ug/l

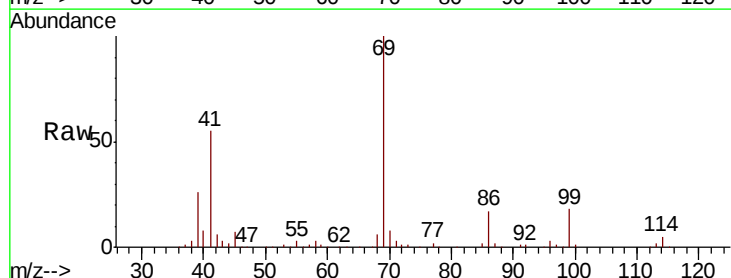
RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

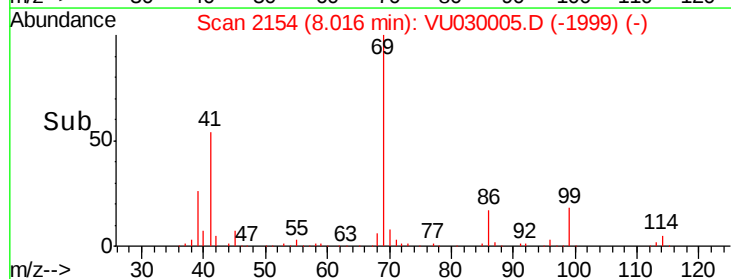
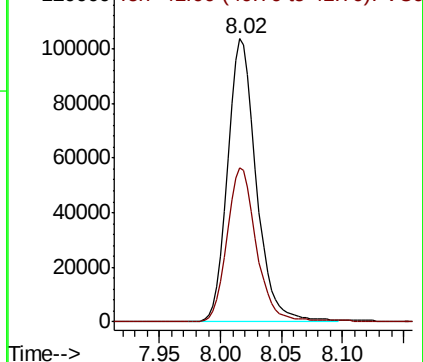
Lab File: VU030005.D

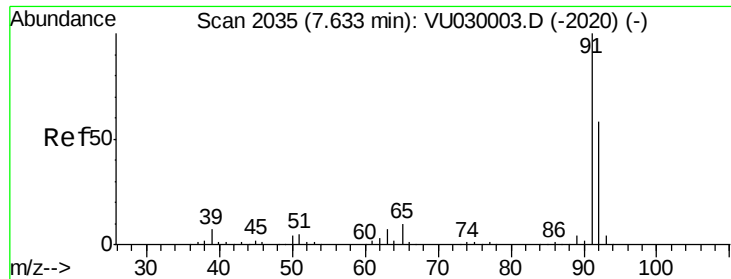
Acq: 12 Mar 2019 12:55

Tgt Ion:	69	Resp:	170820
Ion	Ratio	Lower	Upper
69	100		
41	55.9	28.1	84.4



Abundance Ion 69.00 (68.70 to 69.70): VU030003.D (-2141) (-)





#49

Toluene

Concen: 10.960 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

ICVVU031419

Tgt Ion: 92 Resp: 478967

Ion Ratio Lower Upper

92 100

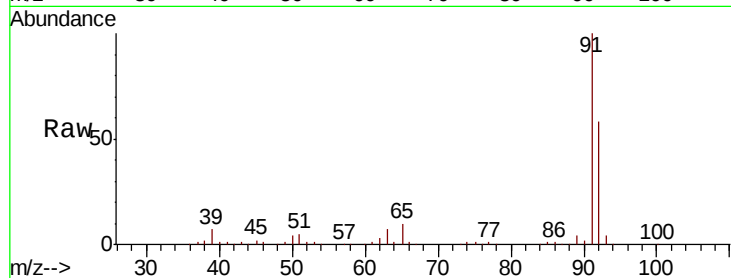
91 173.4 140.1 210.1

Manual Integrations

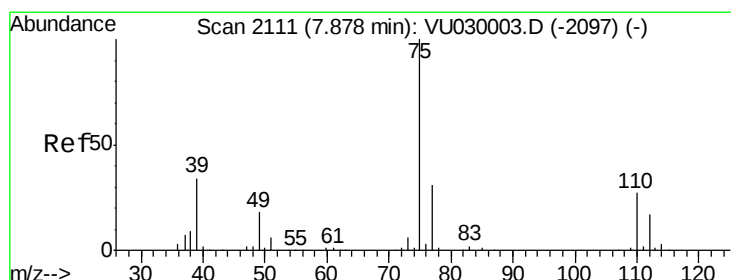
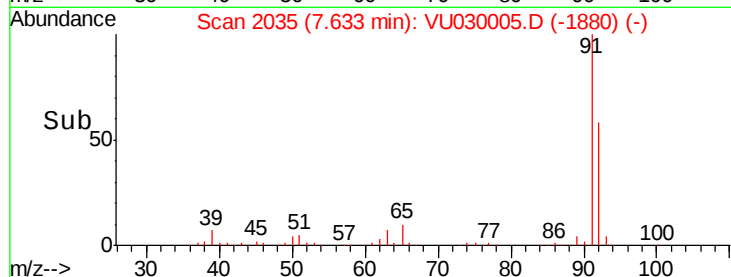
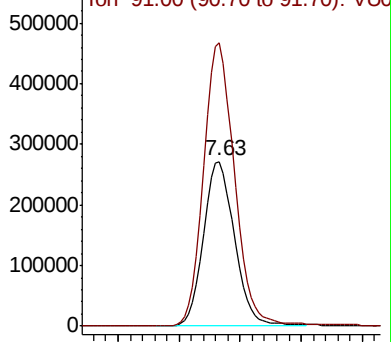
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Abundance Ion 92.00 (91.70 to 92.70): VU030003.D (-2020) (-)



#50

t-1,3-Dichloropropene

Concen: 11.721 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU030005.D

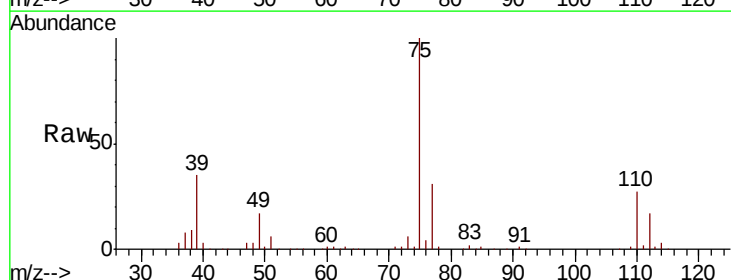
Acq: 12 Mar 2019 12:55

Tgt Ion: 75 Resp: 238866

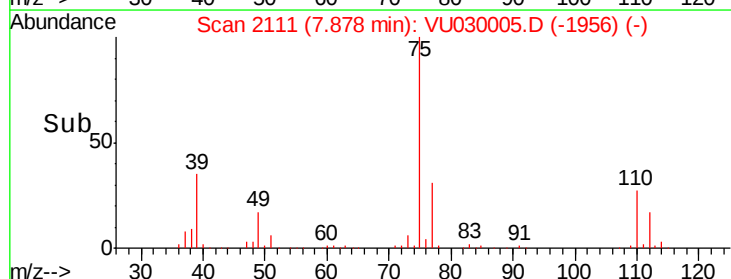
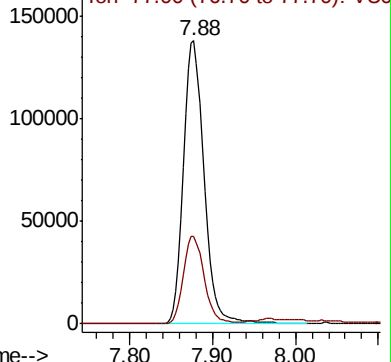
Ion Ratio Lower Upper

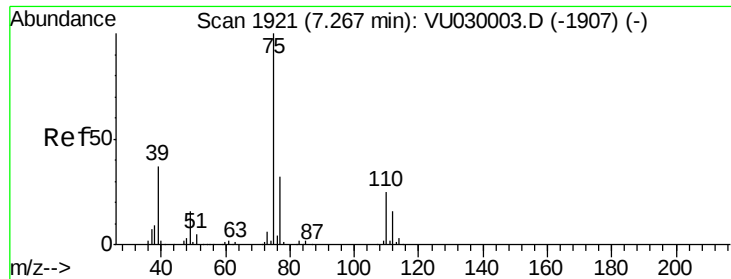
75 100

77 30.8 25.1 37.7



Abundance Ion 75.00 (74.70 to 75.70): VU030003.D (-2097) (-)





#51

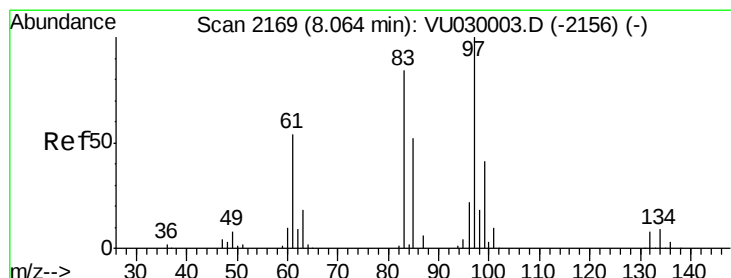
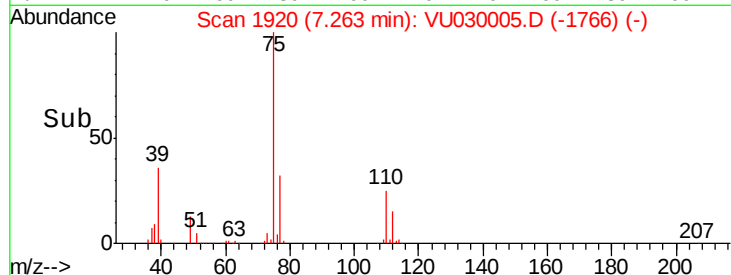
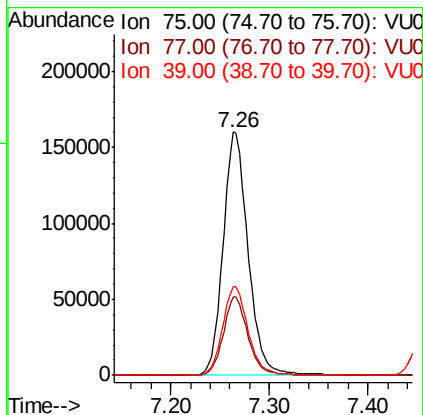
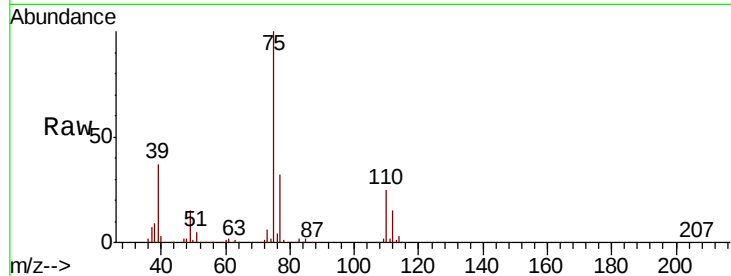
cis-1,3-Dichloropropene
Concen: 11.123 ug/l
RT: 7.26 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Instrument :
MSVOA_U
ClientSampleId :
ICVVU031419

Tgt Ion:	75	Resp:	284951
Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.0	39.0
39	36.6	29.5	44.3

Manual Integrations
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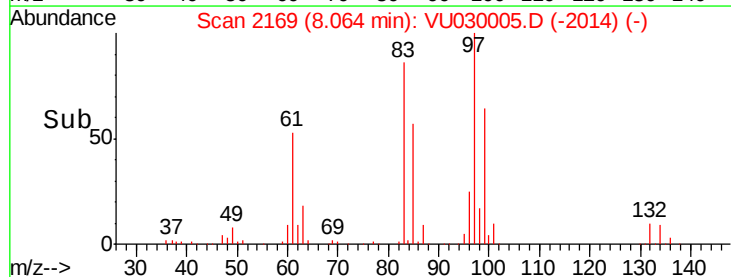
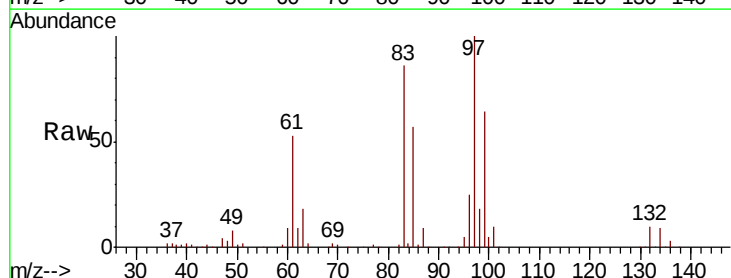
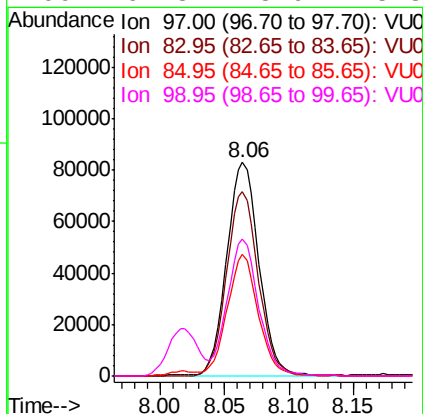
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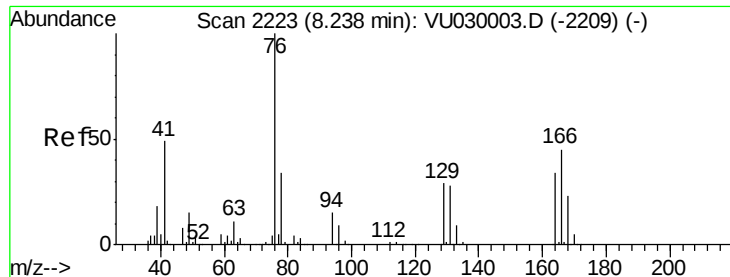


#52

1,1,2-Trichloroethane
Concen: 10.573 ug/l
RT: 8.06 min Scan# 2169
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Tgt Ion:	97	Resp:	142577
Ion	Ratio	Lower	Upper
97	100		
83	86.4	67.4	101.0
85	56.7	42.6	64.0
99	64.3	48.9	73.3





#53

1,3-Dichloropropane

Concen: 10.604 ug/l

RT: 8.24 min Scan# 2223

Delta R.T. -0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

ICVVU031419

Tgt Ion: 76 Resp: 239176

Ion Ratio Lower Upper

76 100

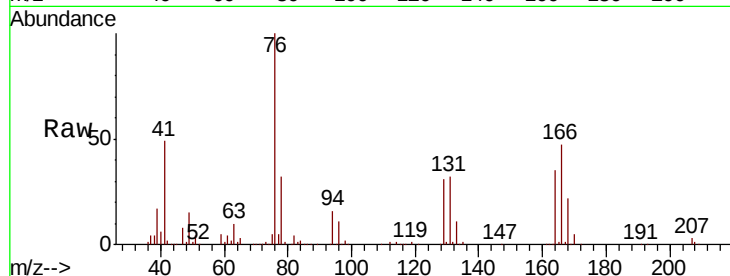
78 32.6 26.4 39.6

Manual Integrations

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Abundance Ion 76.00 (75.70 to 76.70): VU030003.D (-2209) (-)

Ion 78.00 (77.70 to 78.70): VU030003.D (-2209) (-)

8.24

150000

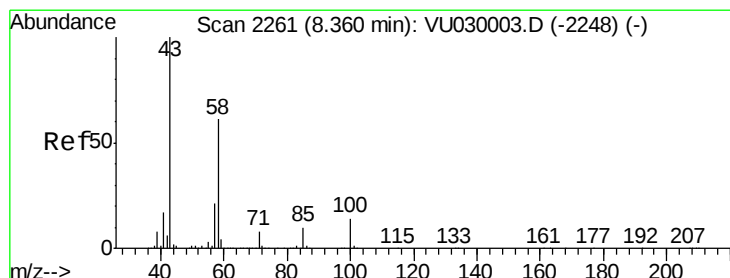
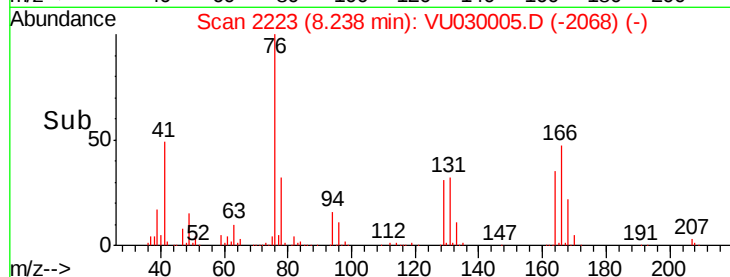
100000

50000

0

8.15 8.20 8.25 8.30 8.35

Time-->



#54

2-Hexanone

Concen: 55.260 ug/l

RT: 8.36 min Scan# 2261

Delta R.T. -0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

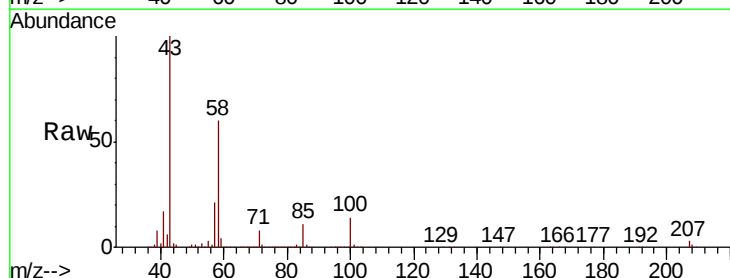
Tgt Ion: 43 Resp: 375252

Ion Ratio Lower Upper

43 100

58 60.3 40.3 80.3

57 20.5 0.6 40.6



Abundance Ion 43.00 (42.70 to 43.70): VU030003.D (-2248) (-)

Ion 58.00 (57.70 to 58.70): VU030003.D (-2248) (-)

Ion 57.00 (56.70 to 57.70): VU030003.D (-2248) (-)

8.36

300000

250000

200000

150000

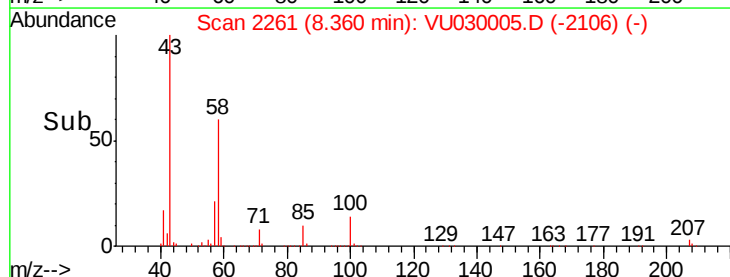
100000

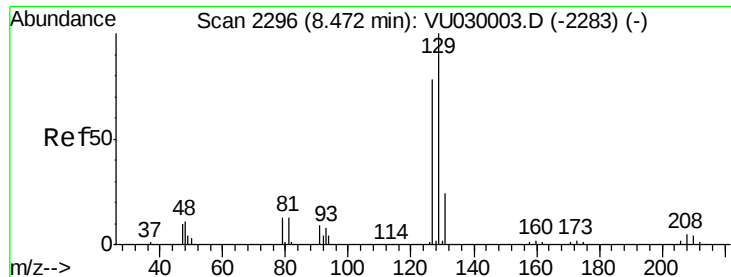
50000

0

8.30 8.40 8.50

Time-->





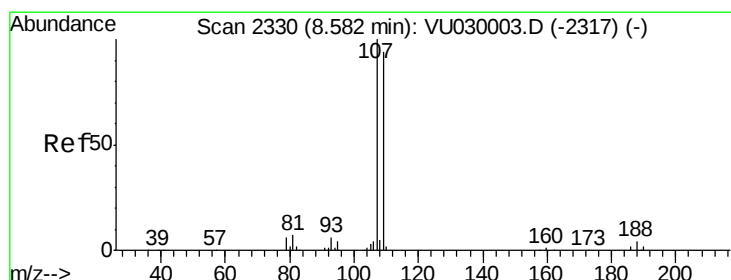
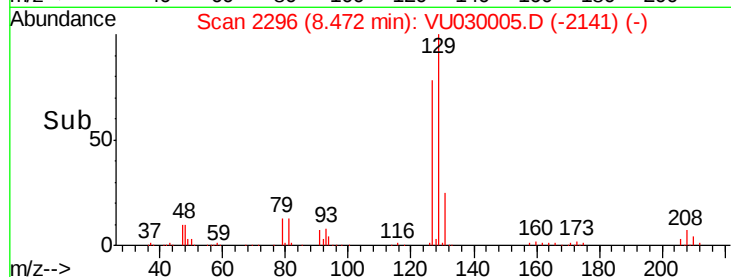
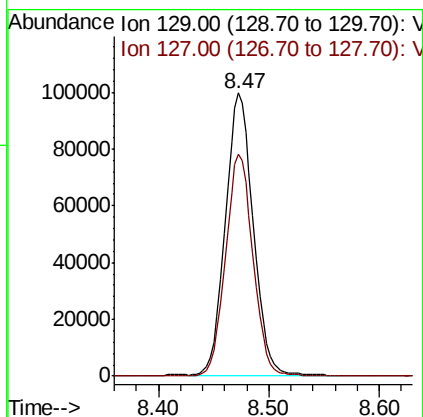
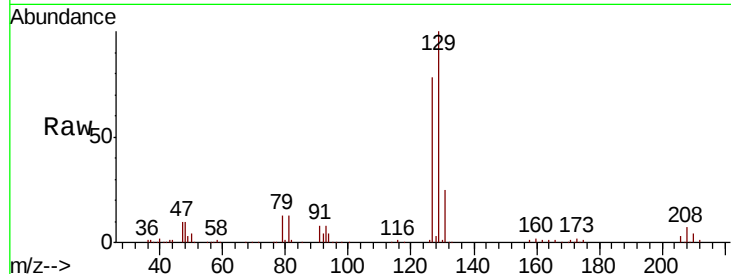
#55
Dibromochloromethane
Concen: 10.717 ug/l
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Instrument :
MSVOA_U
ClientSampleId :
ICVVU031419

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	62.4	93.6

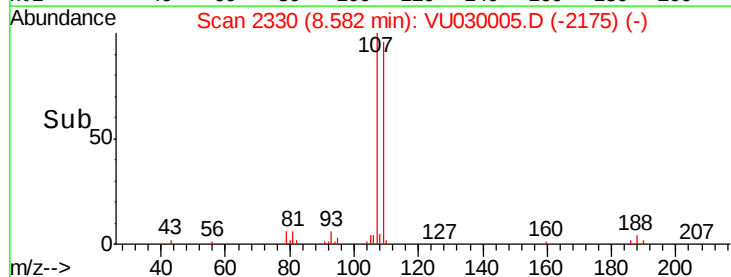
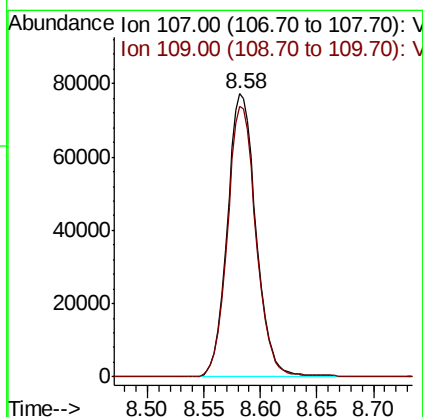
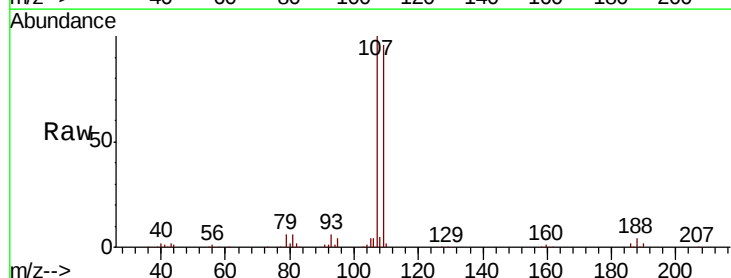
Manual Integrations
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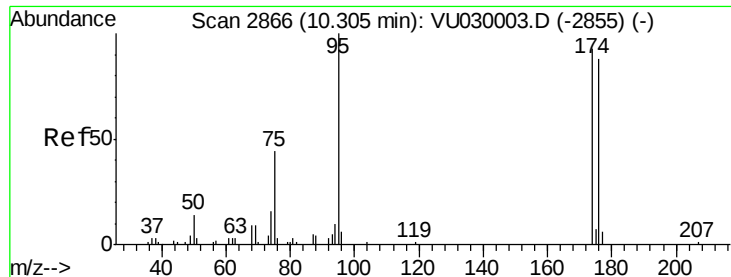
MMDadoda
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#56
1,2-Dibromoethane
Concen: 10.497 ug/l
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.0	0.0	186.8





#57

4-Bromofluorobenzene

Concen: 10.497 ug/l

RT: 10.31 min Scan# 2866

Delta R.T. -0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

Instrument :

MSVOA_U

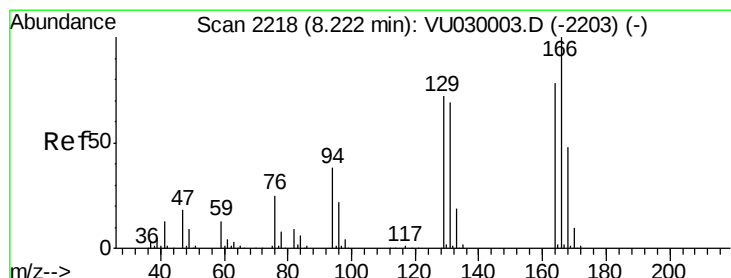
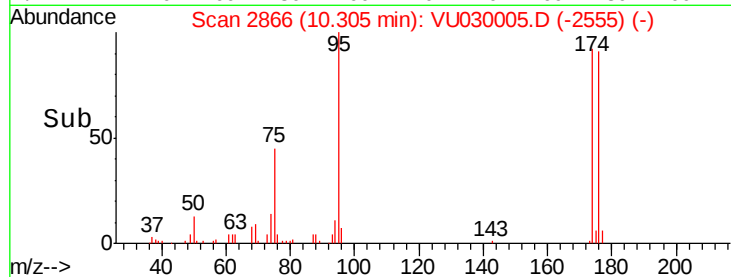
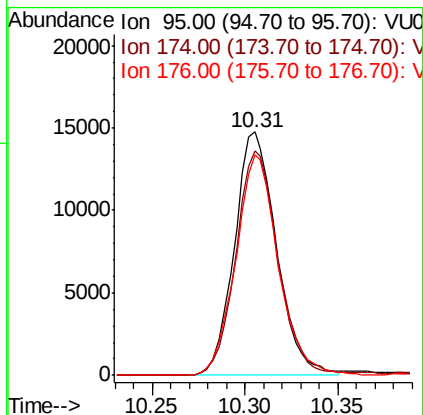
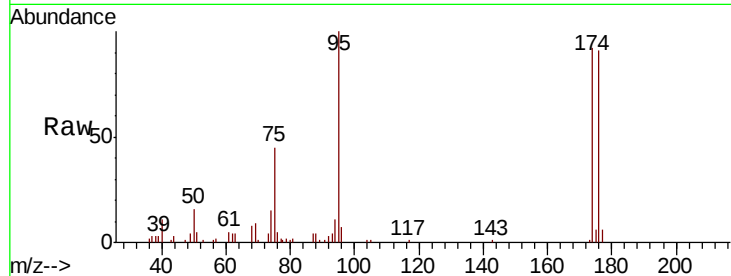
ClientSampleId :

ICVVU031419

Tgt Ion:	95	Resp:	23273
Ion	Ratio	Lower	Upper
95	100		
174	93.6	78.1	117.1
176	91.4	70.8	106.2

Manual Integrations
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#58

Tetrachloroethene

Concen: 10.434 ug/l

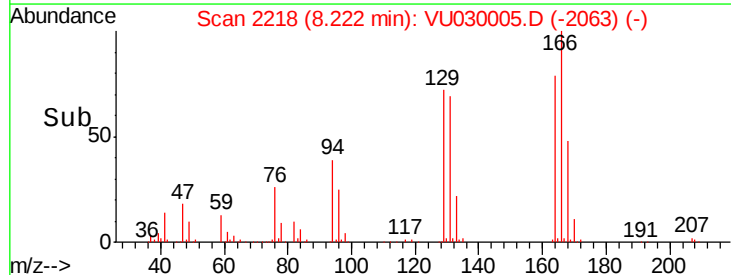
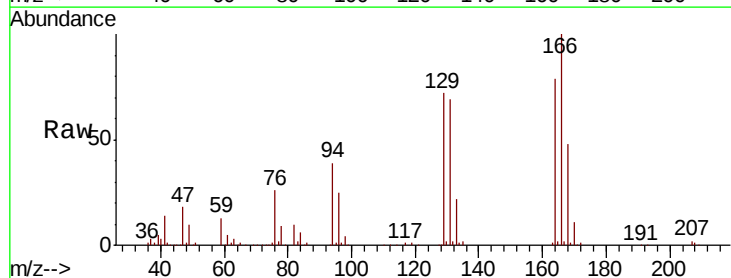
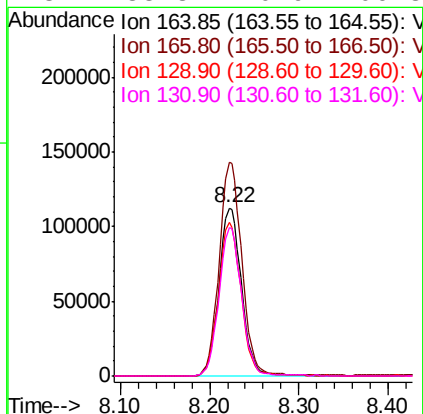
RT: 8.22 min Scan# 2218

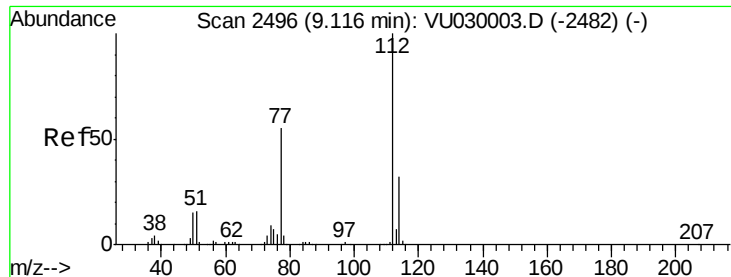
Delta R.T. -0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

Tgt Ion:	164	Resp:	197940
Ion	Ratio	Lower	Upper
164	100		
166	127.2	103.2	154.8
129	91.4	74.5	111.7
131	88.3	70.9	106.3





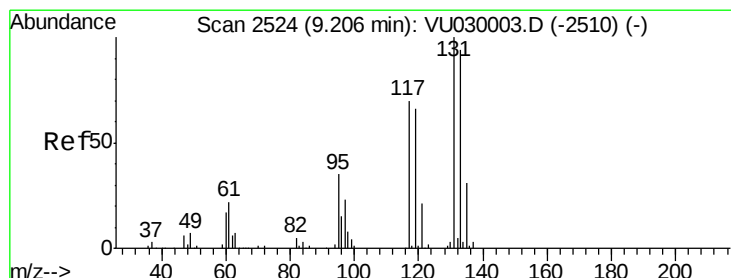
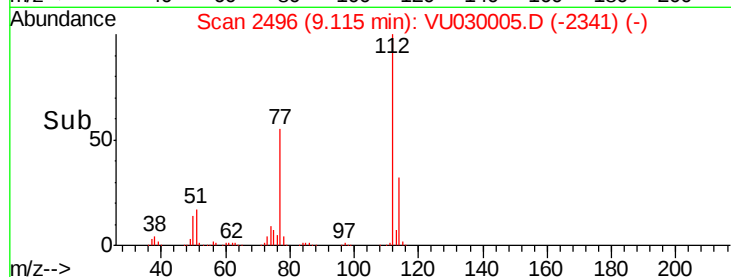
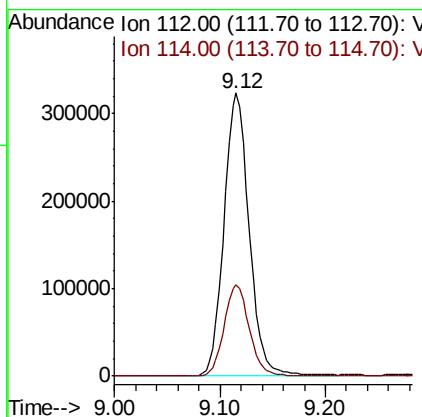
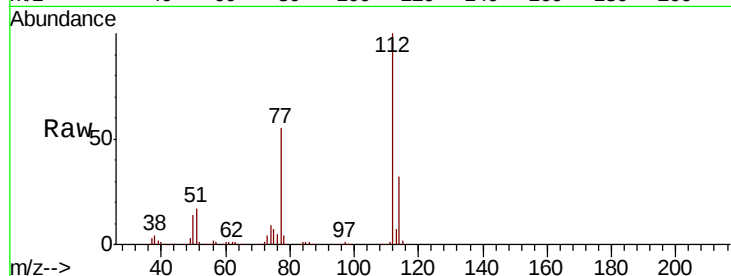
#59
Chlorobenzene
Concen: 10.697 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Instrument :
MSVOA_U
ClientSampleId :
ICVVU031419

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	534243		
114	32.3	25.6	38.4	

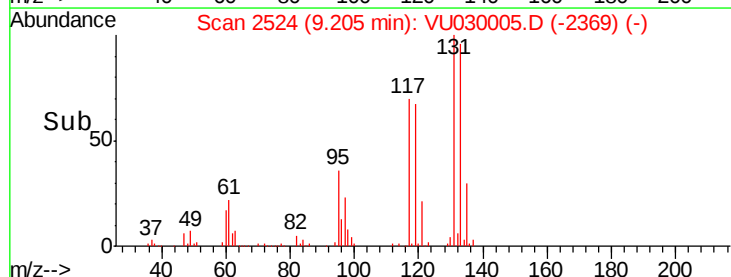
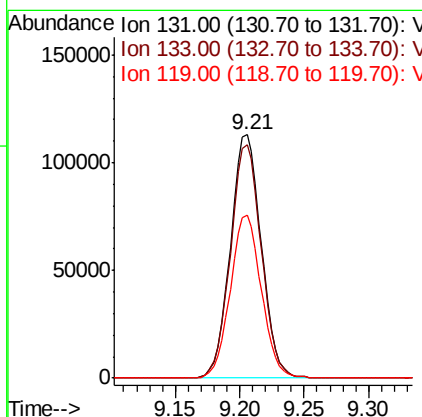
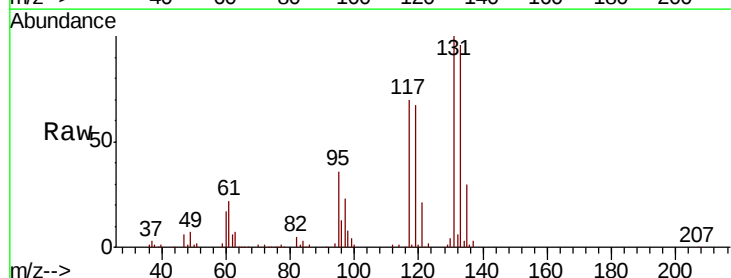
Manual Integrations
APPROVED

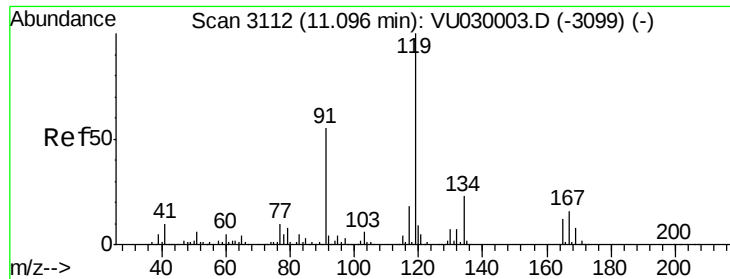
MMDadoda
3/13/2019 12:56:09 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 10.639 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	187665		
133	96.2	75.6	113.4	
119	67.3	53.3	79.9	





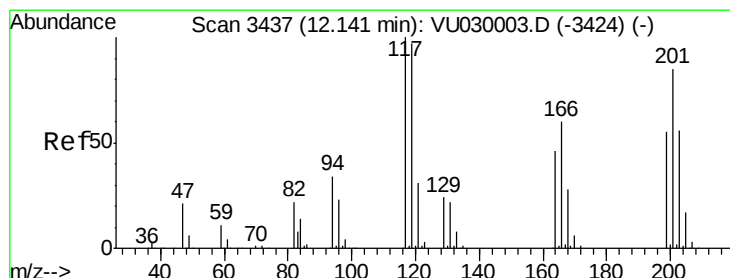
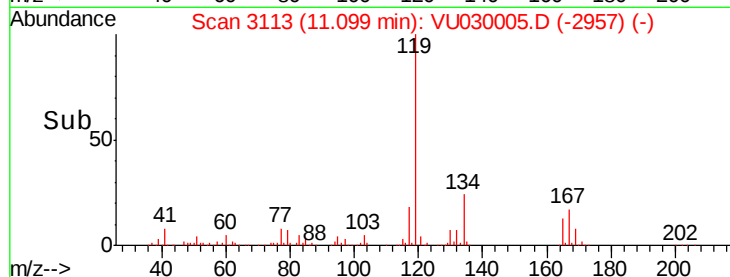
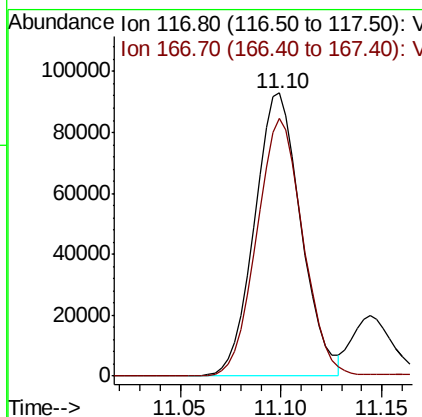
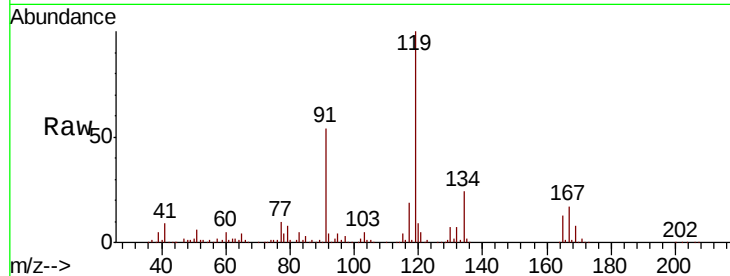
#61
 Pentachloroethane
 Concen: 10.977 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU030005.D
 Acq: 12 Mar 2019 12:55

Instrument :
 MSVOA_U
 ClientSampled :
 ICVVU031419

Tgt Ion:117 Resp: 149430
 Ion Ratio Lower Upper
 117 100
 167 91.1 73.1 109.7

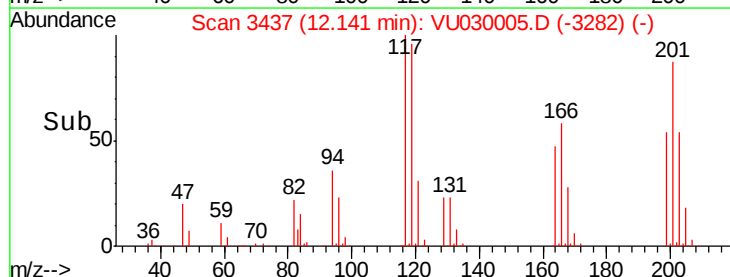
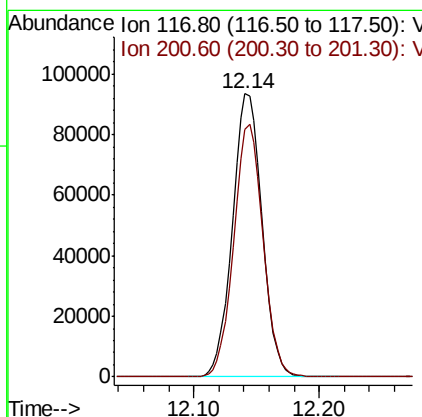
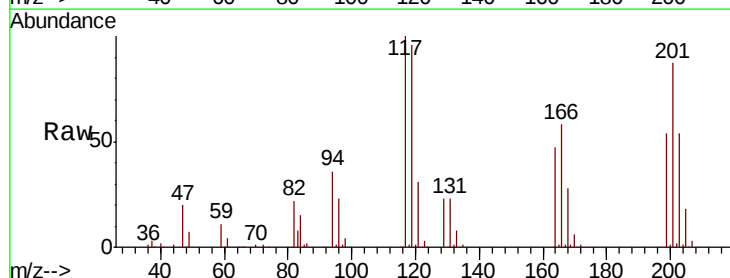
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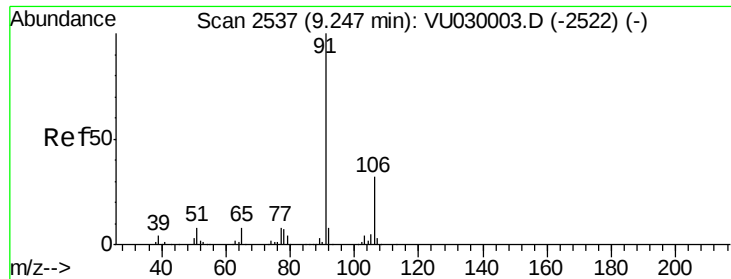
MMDadoda
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#62
 Hexachloroethane
 Concen: 11.162 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. -0.00 min
 Lab File: VU030005.D
 Acq: 12 Mar 2019 12:55

Tgt Ion:117 Resp: 153094
 Ion Ratio Lower Upper
 117 100
 201 88.1 69.5 104.3





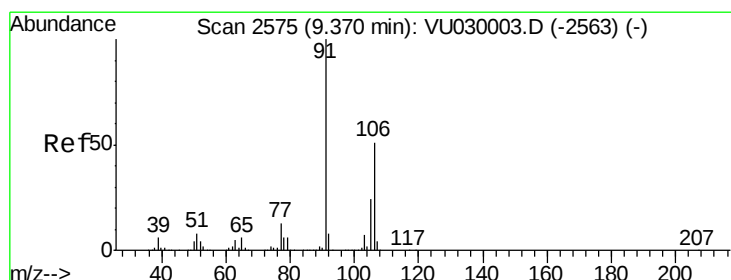
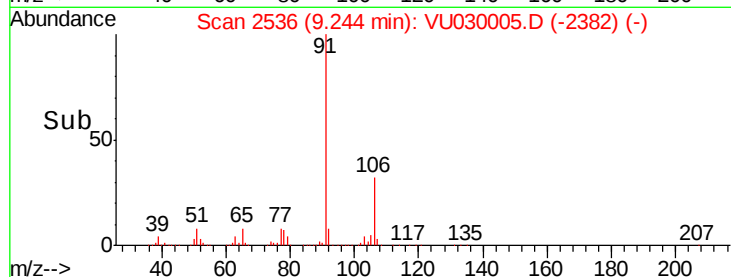
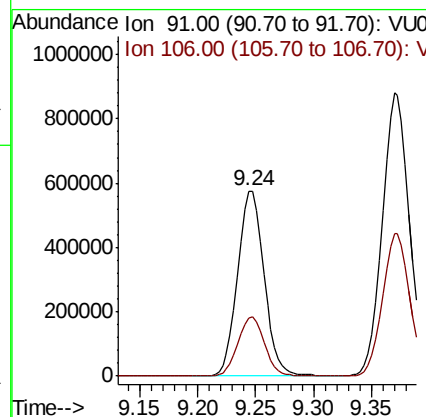
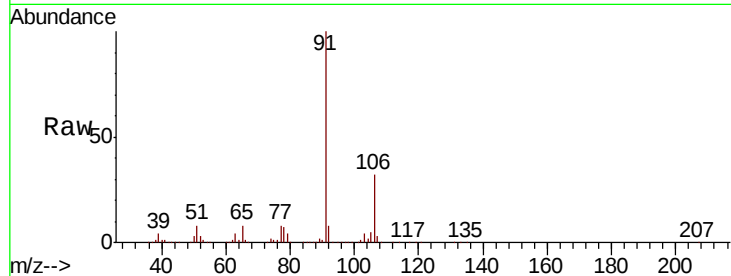
#63
Ethyl Benzene
Concen: 11.131 ug/l
RT: 9.24 min Scan# 2536
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Instrument :
MSVOA_U
ClientSampleId :
ICVVU031419

Tgt Ion: 91 Resp: 912936
Ion Ratio Lower Upper
91 100
106 31.6 25.7 38.5

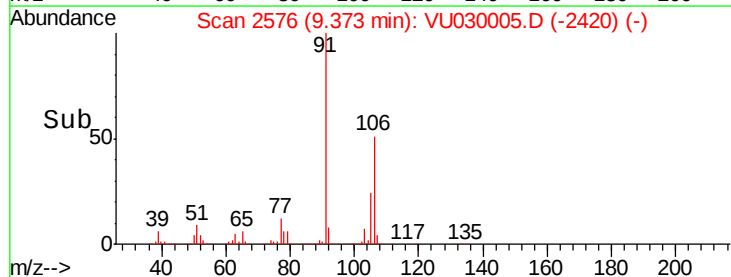
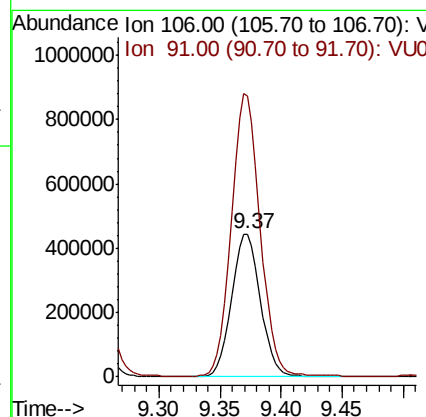
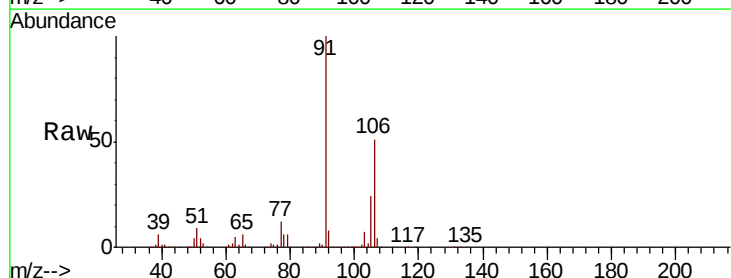
Manual Integrations
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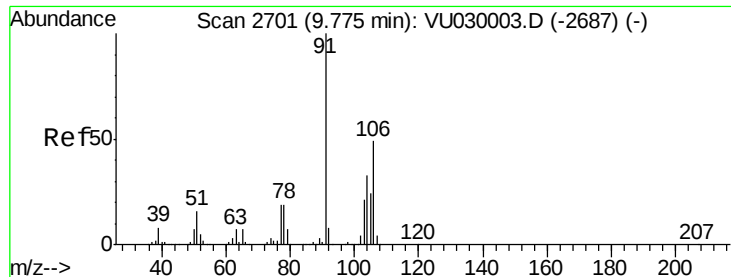
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#64
m/p-Xylenes
Concen: 22.745 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Tgt Ion: 106 Resp: 733931
Ion Ratio Lower Upper
106 100
91 196.7 157.9 236.9





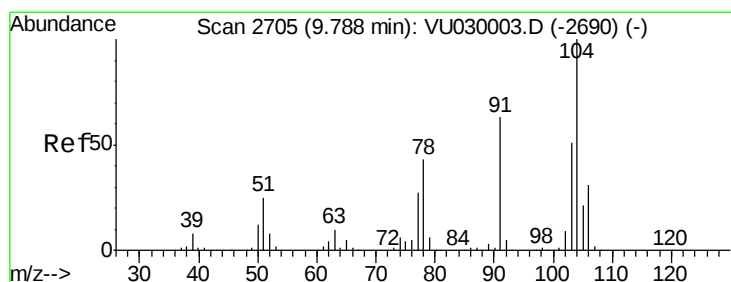
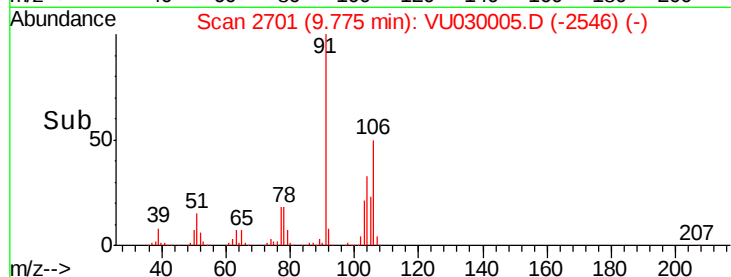
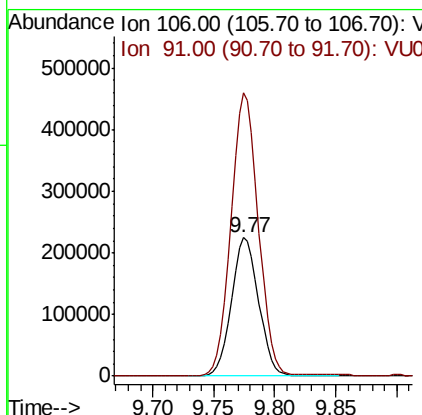
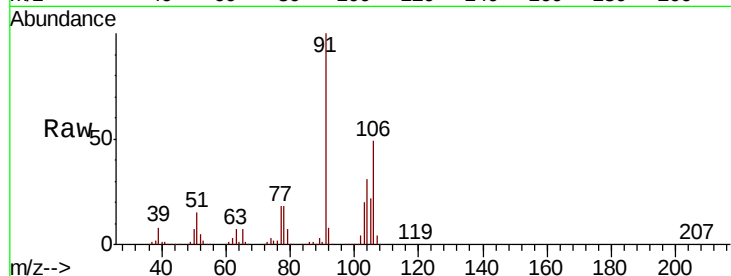
#65
o-Xylene
Concen: 11.022 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Instrument :
MSVOA_U
ClientSampled :
ICVVU031419

Tgt Ion:106 Resp: 348851
Ion Ratio Lower Upper
106 100
91 205.5 103.2 309.4

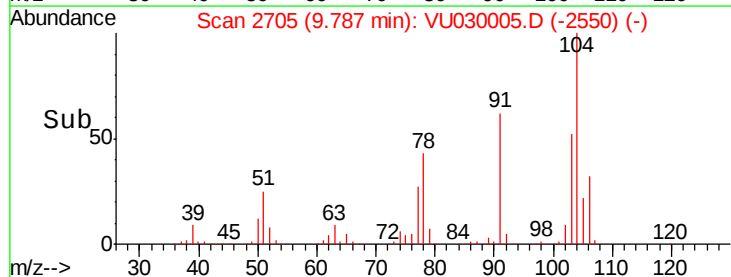
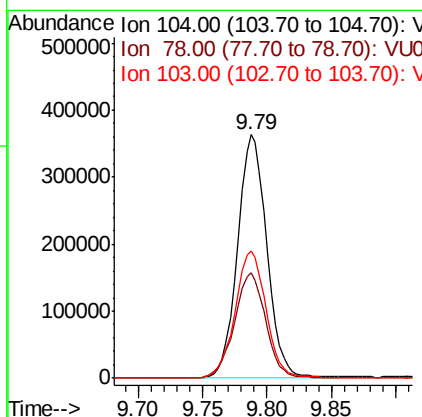
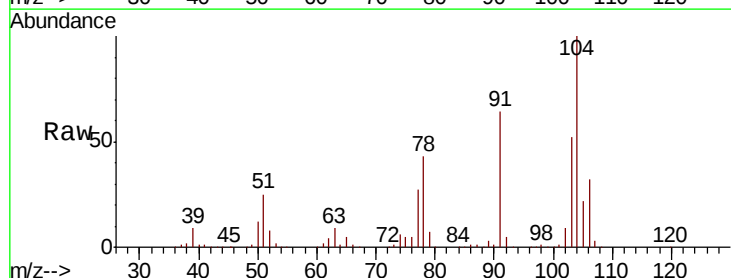
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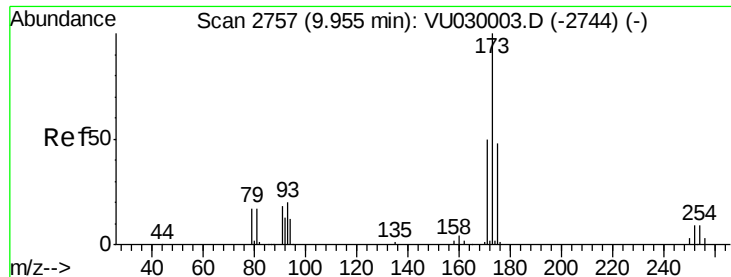
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#66
Styrene
Concen: 11.048 ug/l
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Tgt Ion:104 Resp: 573111
Ion Ratio Lower Upper
104 100
78 46.4 37.0 55.4
103 55.3 43.8 65.6





#67

Bromoform

Concen: 11.244 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

Instrument :

MSVOA_U

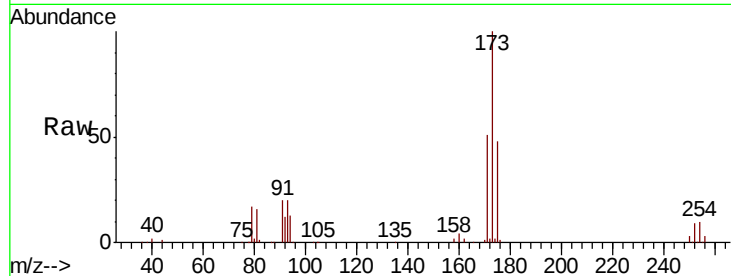
ClientSampleId :

ICVVU031419

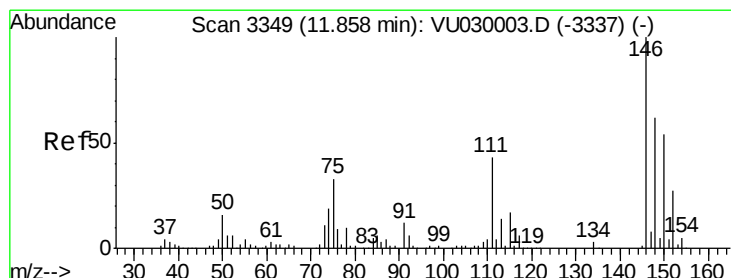
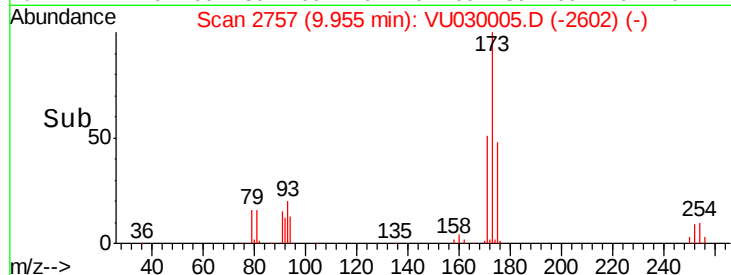
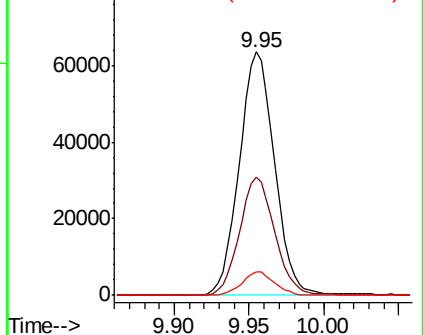
Tgt Ion:	173	Resp:	104267
Ion Ratio	Lower	Upper	
173	100		
175	48.3	39.0	58.4
254	9.0	7.0	10.4

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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: 11.244 ug/l

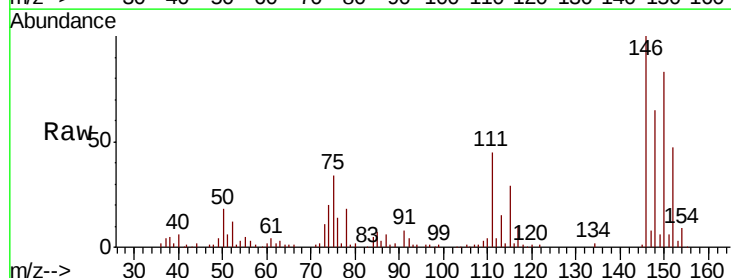
RT: 11.85 min Scan# 3348

Delta R.T. -0.00 min

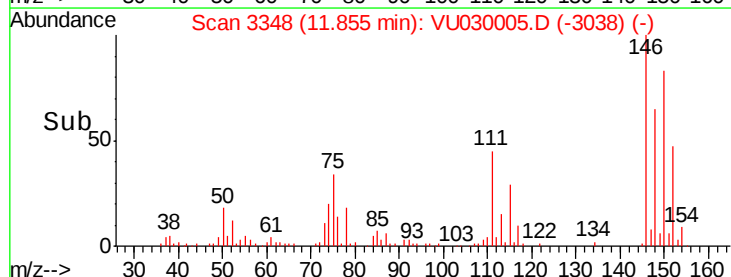
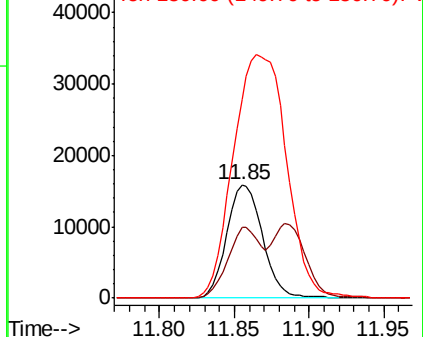
Lab File: VU030005.D

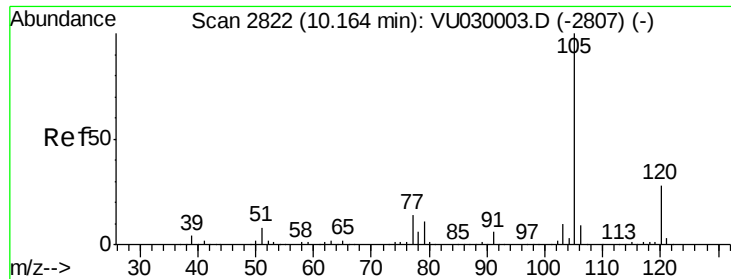
Acq: 12 Mar 2019 12:55

Tgt Ion:	152	Resp:	26572
Ion Ratio	Lower	Upper	
152	100		
115	58.1	0.0	126.8
150	317.4	0.0	634.2



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: 11.298 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

ICVVU031419

Tgt Ion: 105 Resp: 932305

Ion Ratio Lower Upper

105 100

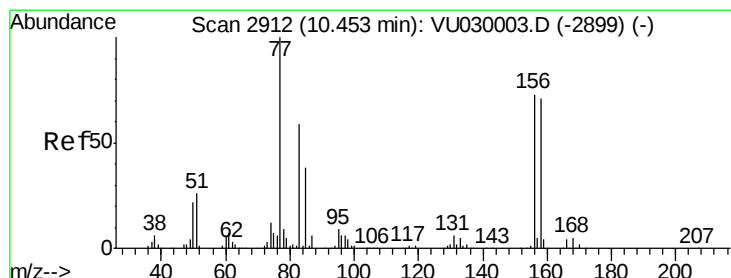
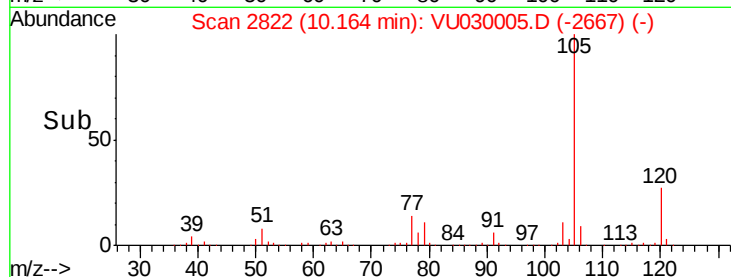
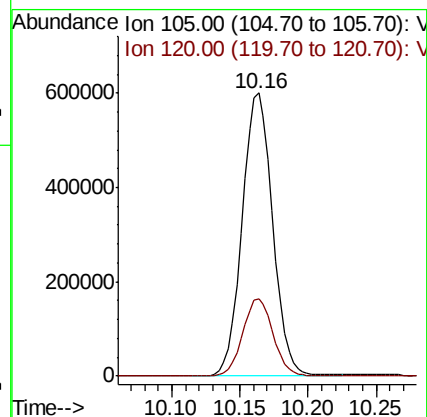
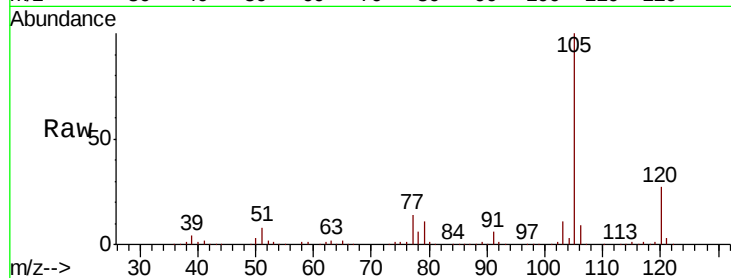
120 27.4 13.5 40.5

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#70

1,1,2,2-Tetrachloroethane

Concen: 10.322 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

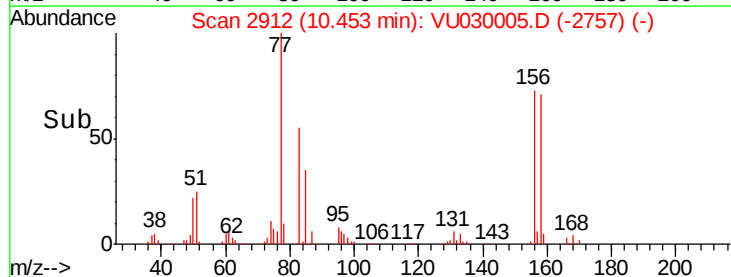
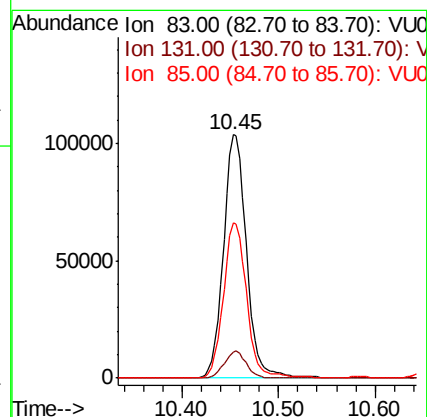
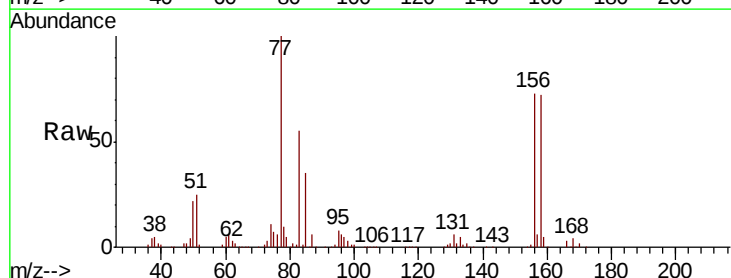
Tgt Ion: 83 Resp: 171566

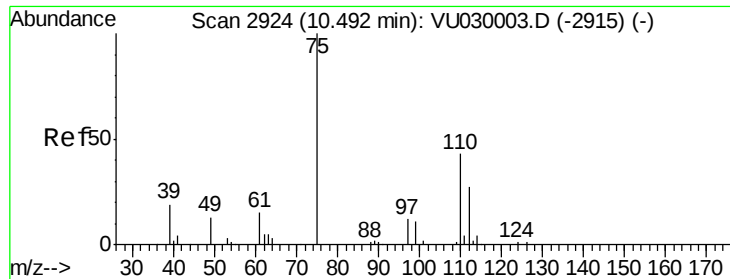
Ion Ratio Lower Upper

83 100

131 10.4 8.4 12.6

85 64.6 52.6 78.8





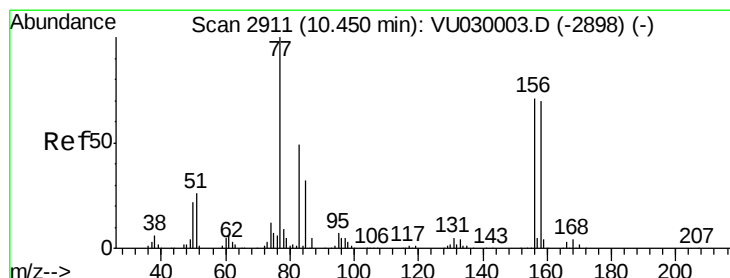
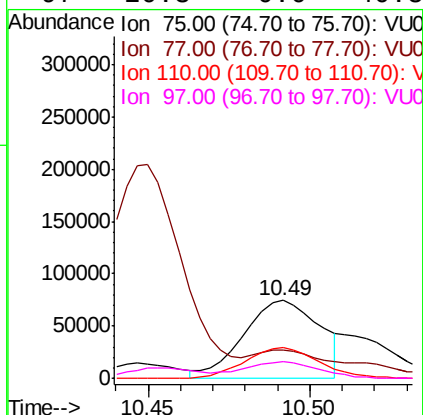
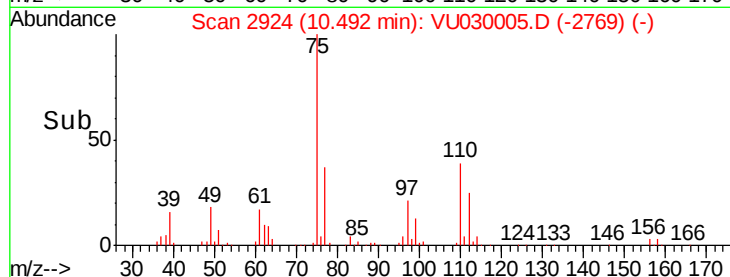
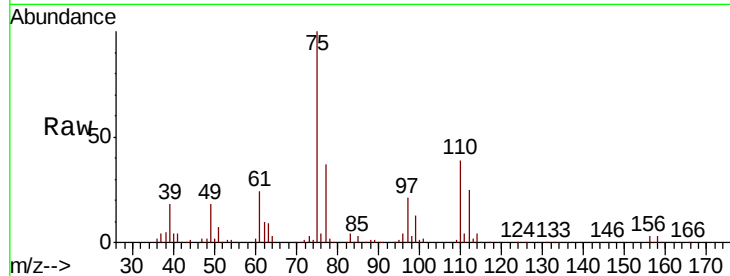
#71
1,2,3-Trichloropropane
Concen: 9.839 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Instrument :
MSVOA_U
ClientSampleId :
ICVVU031419

Tgt Ion	Ratio	Lower	Upper
75	100		
77	43.6	0.0	16.8#
110	37.9	0.0	76.8
97	20.3	0.0	40.8

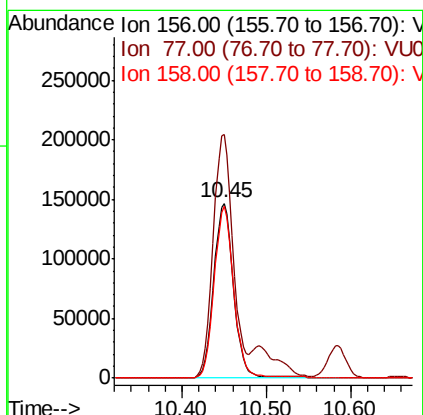
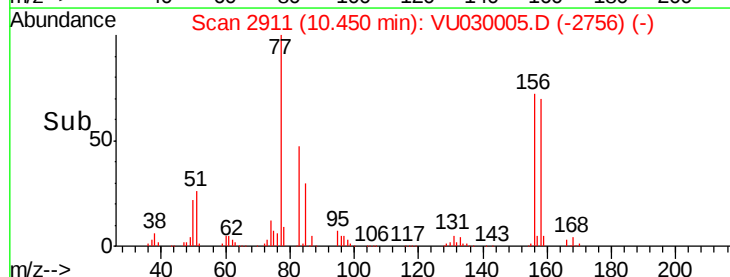
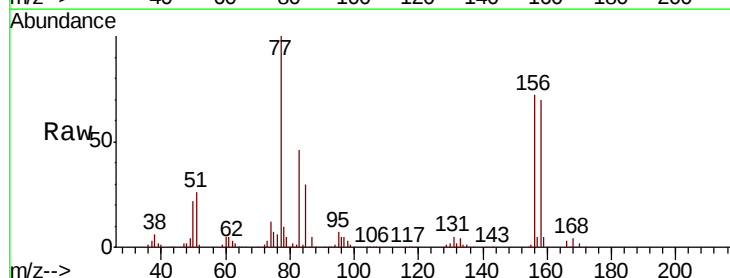
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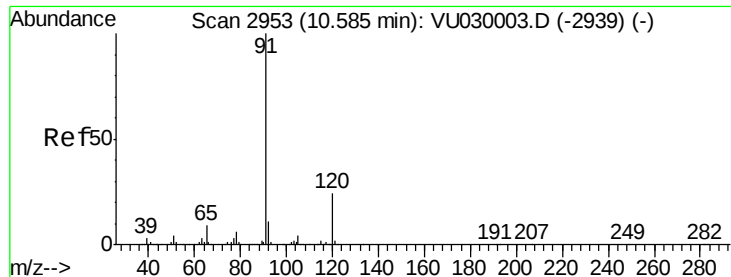
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#72
Bromobenzene
Concen: 11.110 ug/l
RT: 10.45 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Tgt Ion	Ratio	Lower	Upper
156	100		
77	139.2	0.0	278.6
158	96.0	0.0	195.2





#73

n-propylbenzene

Concen: 11.299 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

ICVVU031419

Tgt Ion:120 Resp: 264513

Ion Ratio Lower Upper

120 100

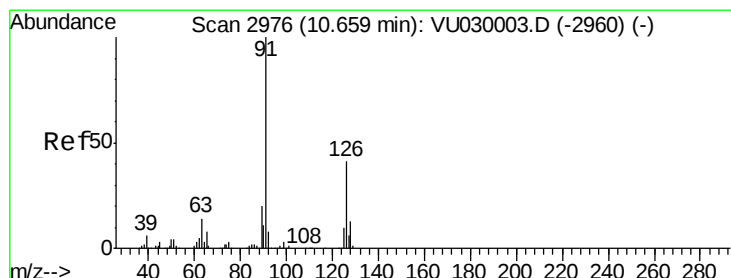
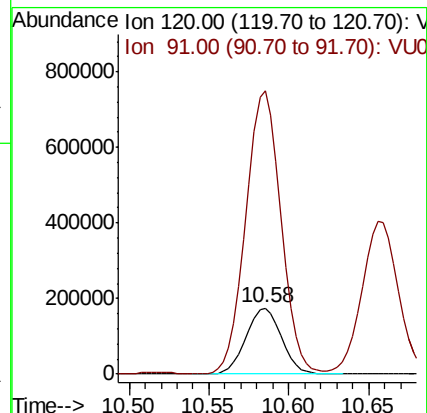
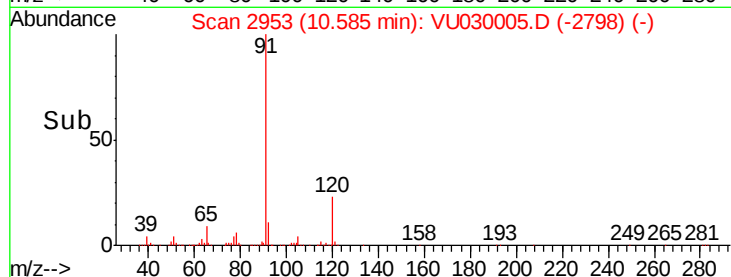
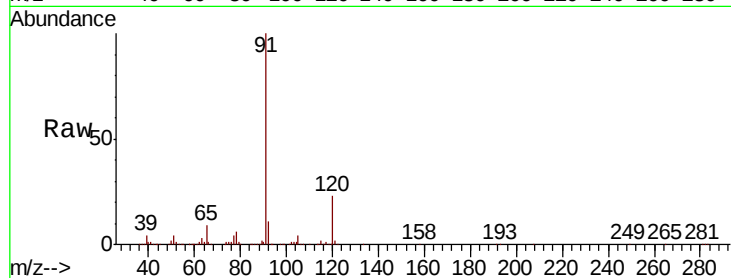
91 422.7 335.4 503.0

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#74

2-Chlorotoluene

Concen: 11.070 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. -0.00 min

Lab File: VU030005.D

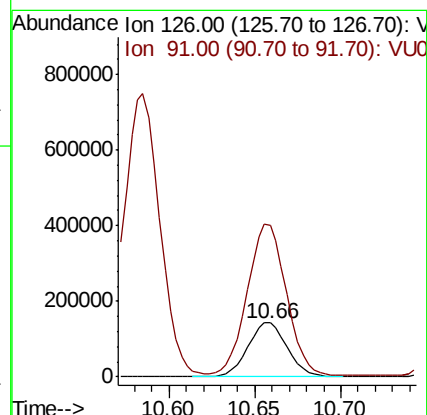
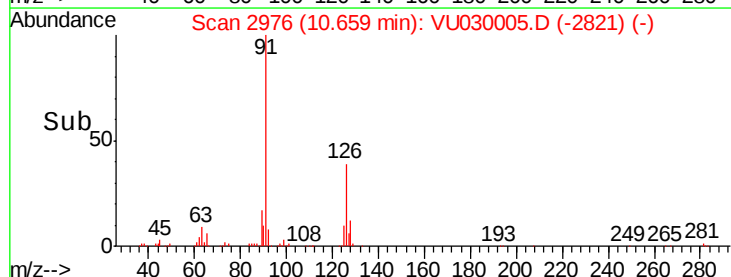
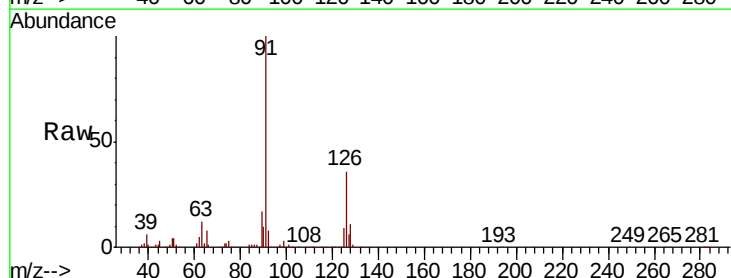
Acq: 12 Mar 2019 12:55

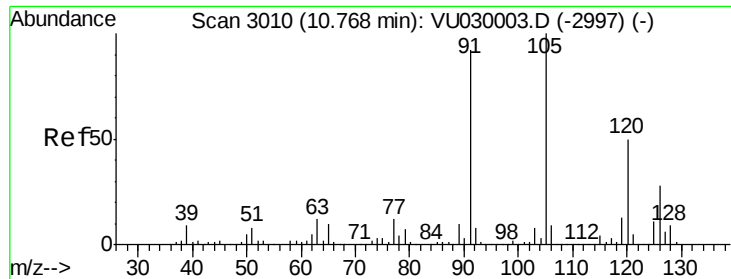
Tgt Ion:126 Resp: 226958

Ion Ratio Lower Upper

126 100

91 279.3 0.0 561.0





#75

1,3,5-Trimethylbenzene

Concen: 11.540 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

ICVVU031419

Tgt Ion:105 Resp: 811299

Ion Ratio Lower Upper

105 100

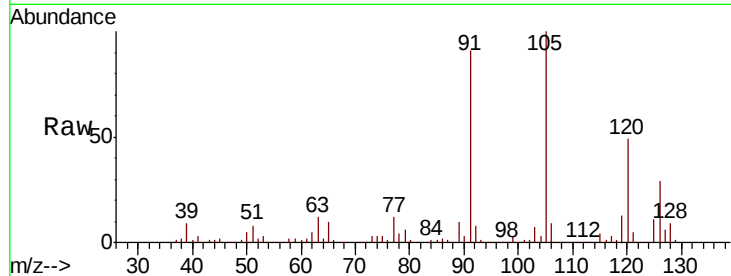
120 49.2 39.8 59.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.77

600000

500000

400000

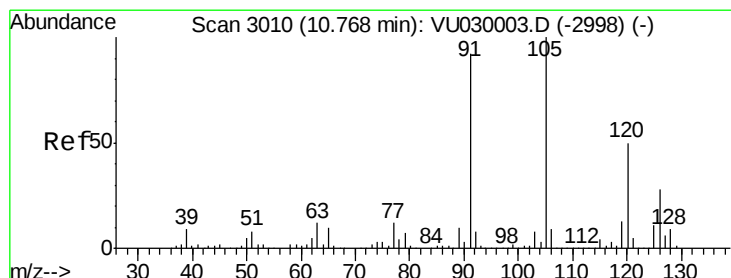
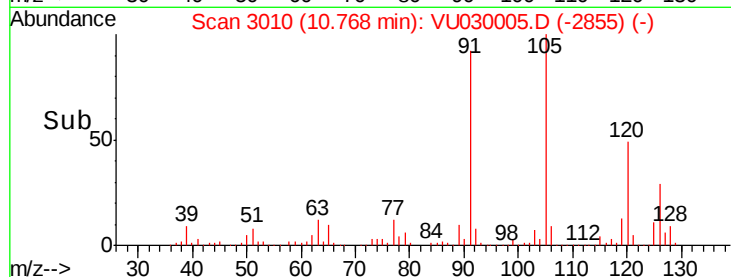
300000

200000

100000

0

Time-->



#76

4-Chlorotoluene

Concen: 11.578 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU030005.D

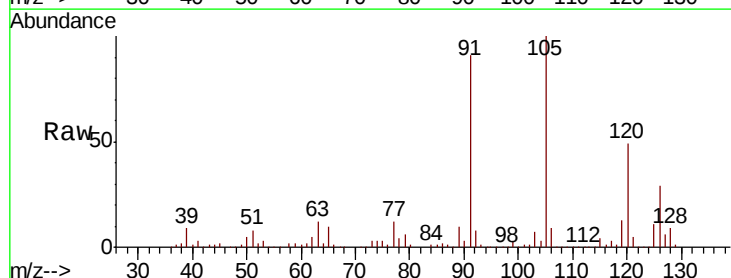
Acq: 12 Mar 2019 12:55

Tgt Ion:126 Resp: 242297

Ion Ratio Lower Upper

126 100

91 303.6 0.0 641.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

10.77

500000

400000

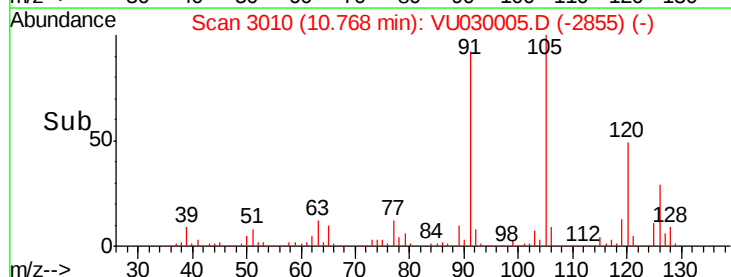
300000

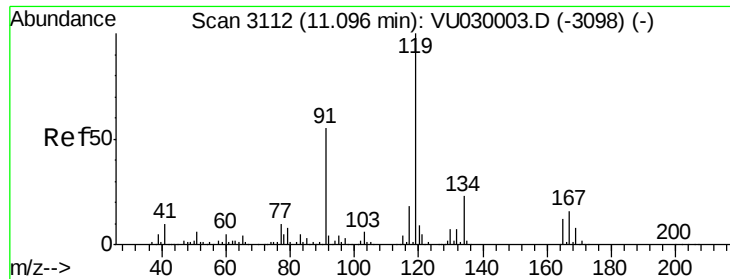
200000

100000

0

Time-->





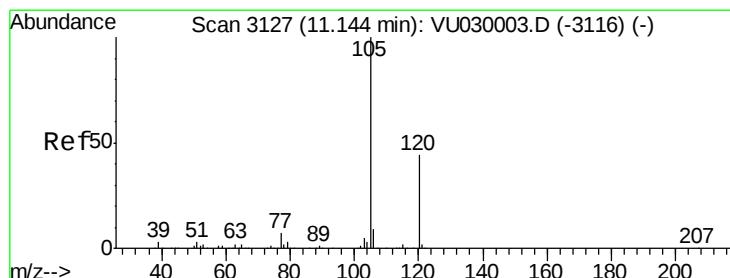
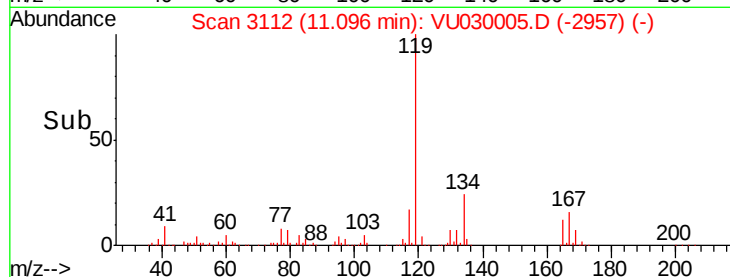
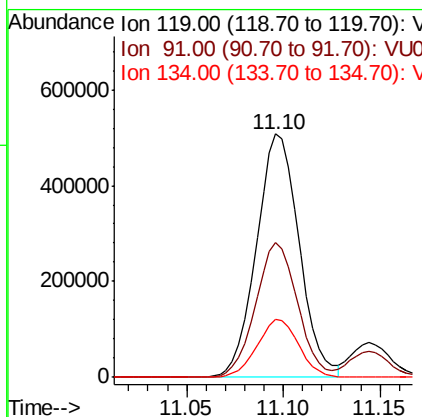
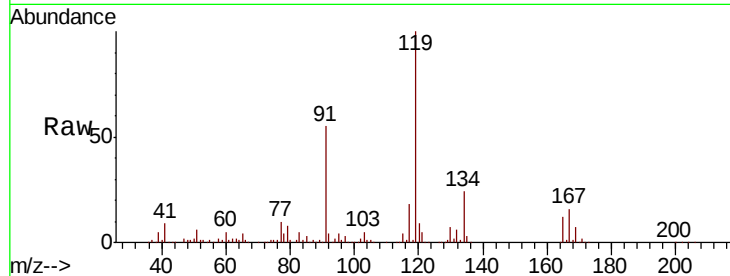
#77
 tert-Butylbenzene
 Concen: 11.384 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: VU030005.D
 Acq: 12 Mar 2019 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU031419

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	783427		
91	54.1	27.6	82.8	
134	23.5	18.7	28.1	

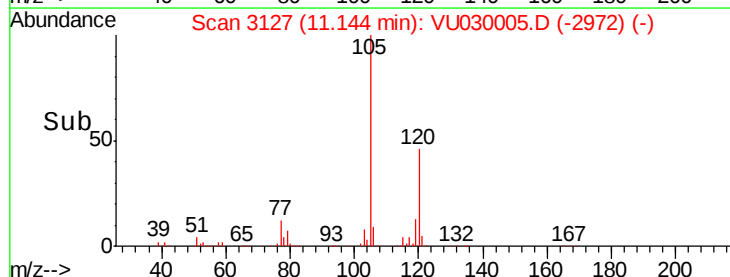
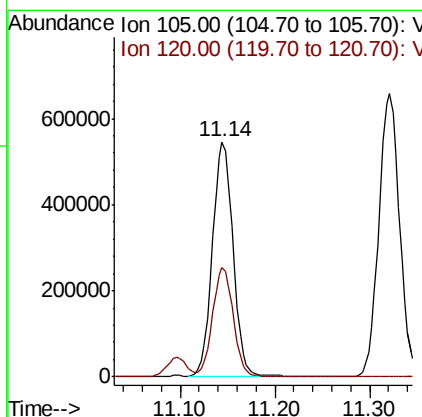
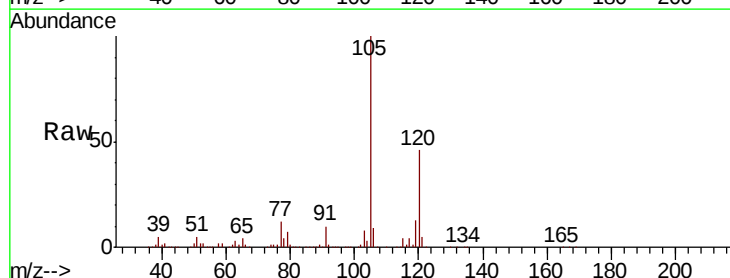
Manual Integrations
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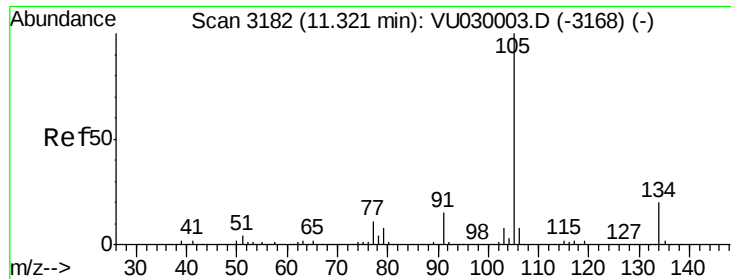
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#78
 1,2,4-Trimethylbenzene
 Concen: 11.579 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. -0.00 min
 Lab File: VU030005.D
 Acq: 12 Mar 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	827891		
120	46.7	23.5	70.6	





#79

sec-Butylbenzene

Concen: 10.927 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

ICVVU031419

Tgt Ion: 105 Resp: 1007363

Ion Ratio Lower Upper

105 100

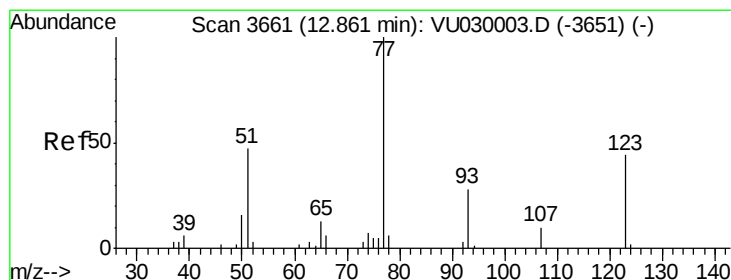
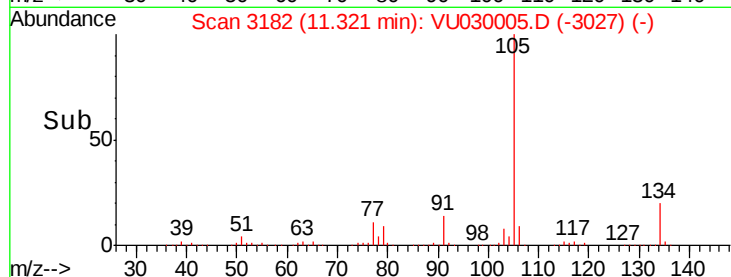
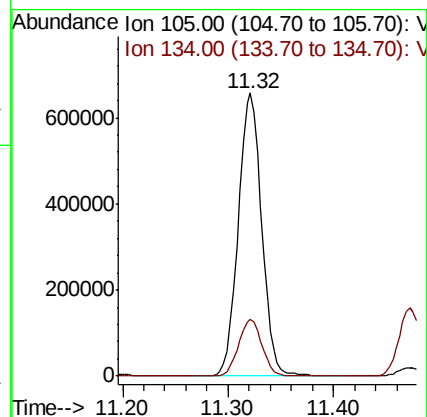
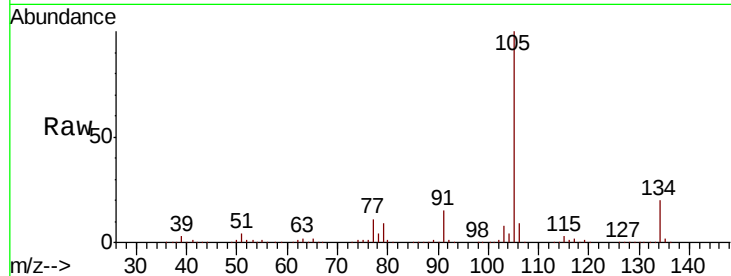
134 20.2 16.1 24.1

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#80

Nitrobenzene

Concen: 11.670 ug/l

RT: 12.86 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VU030005.D

Acq: 12 Mar 2019 12:55

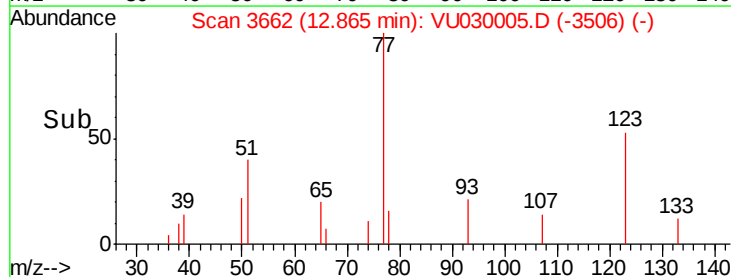
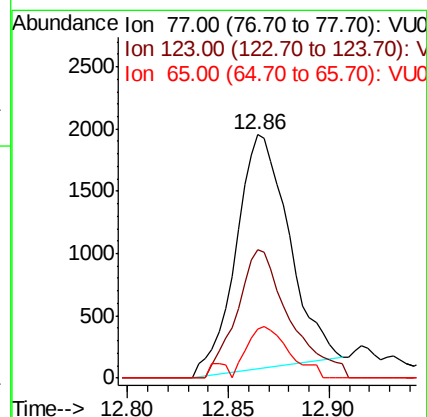
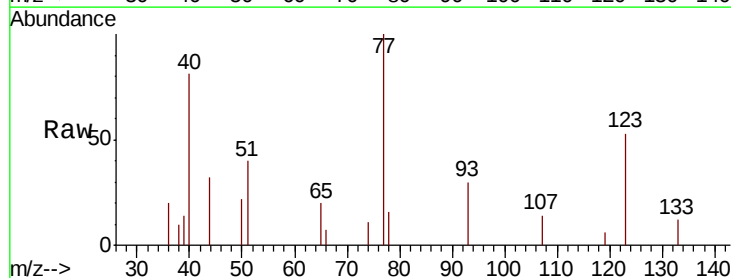
Tgt Ion: 77 Resp: 3465

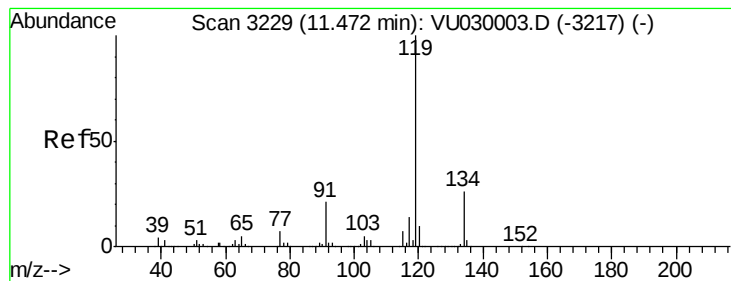
Ion Ratio Lower Upper

77 100

123 54.1 19.9 70.5

65 0.0 10.8 13.8#





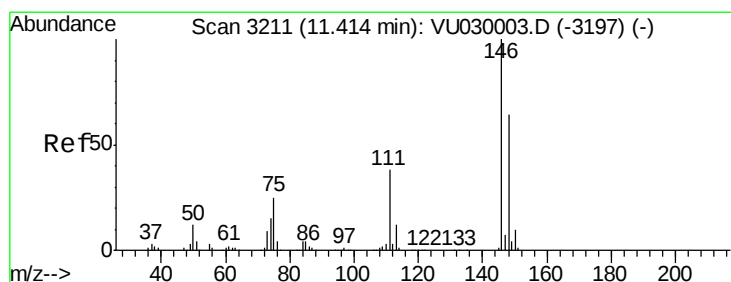
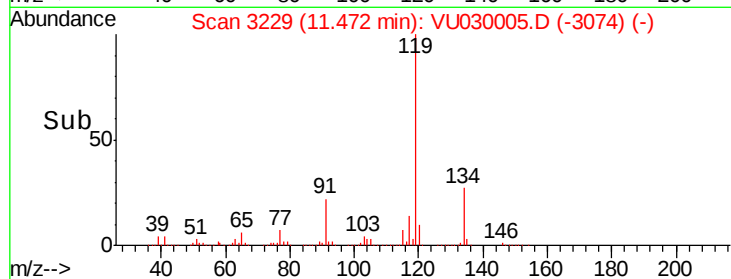
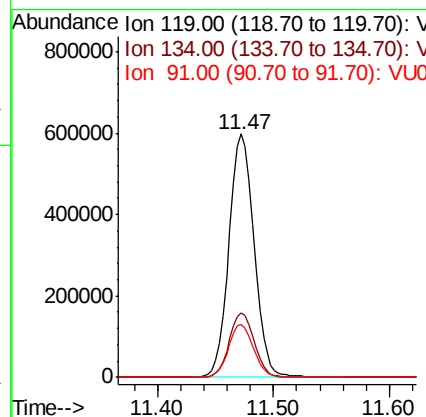
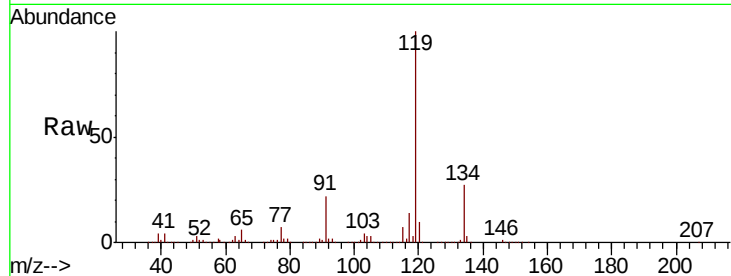
#81
p-Isopropyltoluene
Concen: 11.588 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Instrument :
MSVOA_U
ClientSampleId :
ICVVU031419

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	896035		
134	26.5	21.2	31.8	
91	21.7	17.0	25.6	

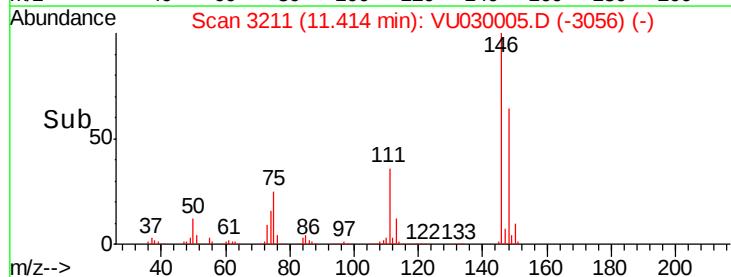
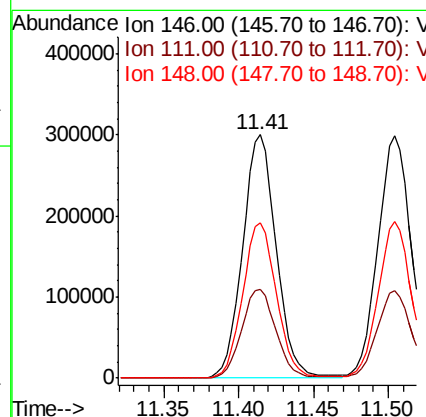
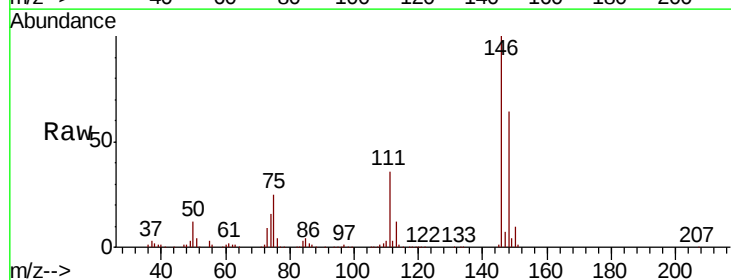
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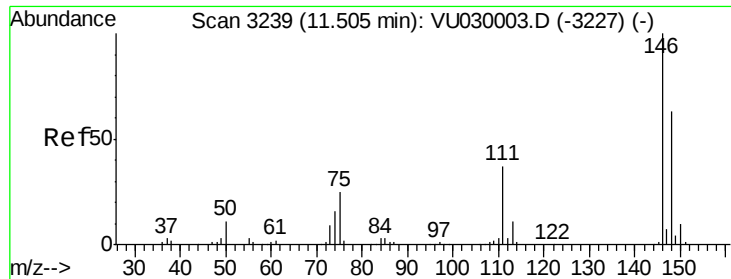
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#82
1,3-Dichlorobenzene
Concen: 10.747 ug/l
RT: 11.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	469722		
111	37.1	30.3	45.5	
148	64.0	51.1	76.7	





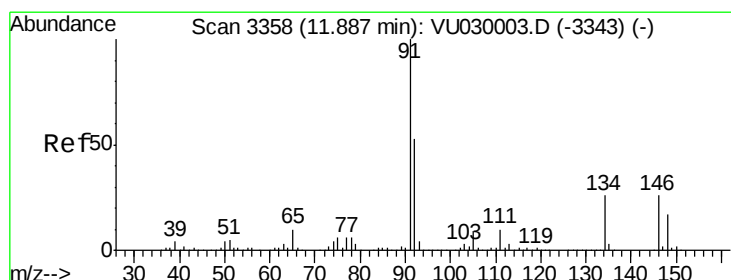
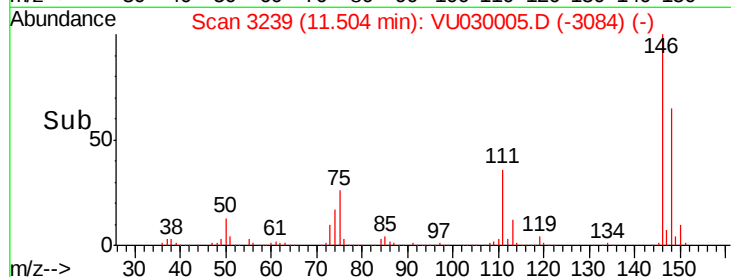
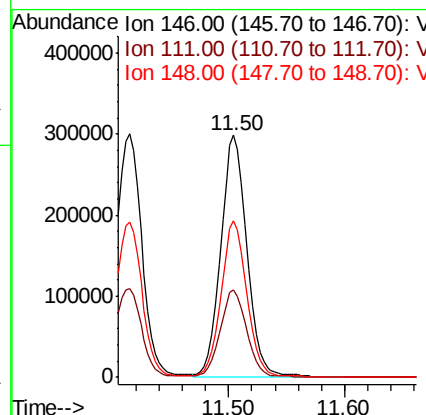
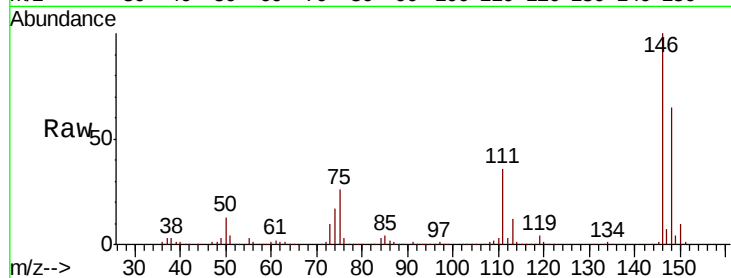
#83
 1,4-Dichlorobenzene
 Concen: 10.726 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030005.D
 Acq: 12 Mar 2019 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU031419

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	29.3	43.9
148	64.2	50.6	76.0

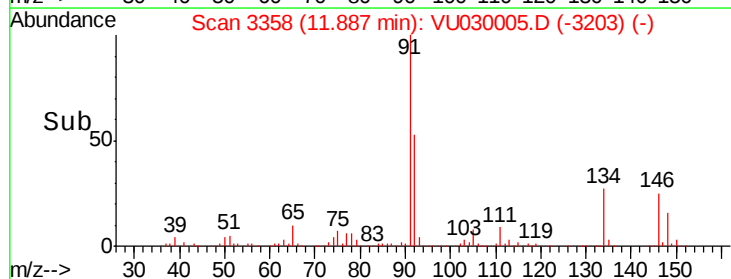
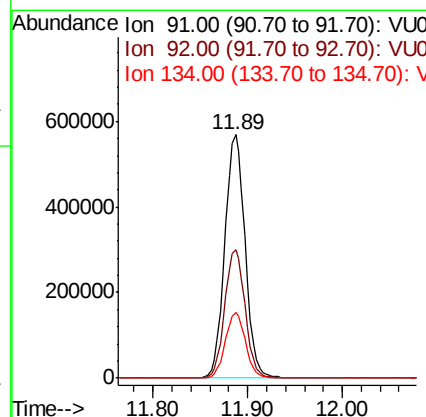
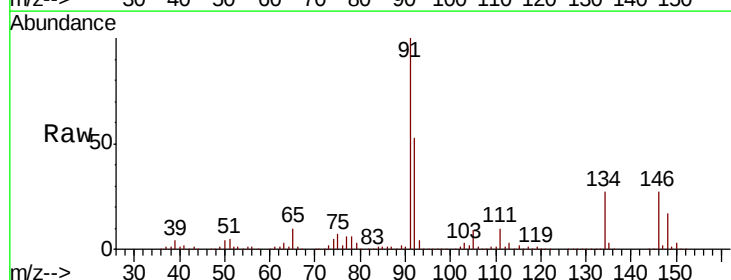
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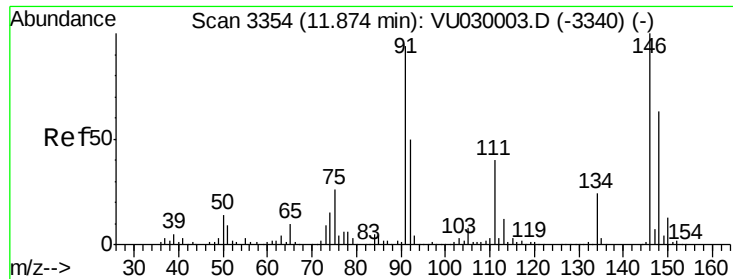
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#84
 n-Butylbenzene
 Concen: 11.713 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. -0.00 min
 Lab File: VU030005.D
 Acq: 12 Mar 2019 12:55

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.2	42.4	63.6
134	26.8	21.4	32.0





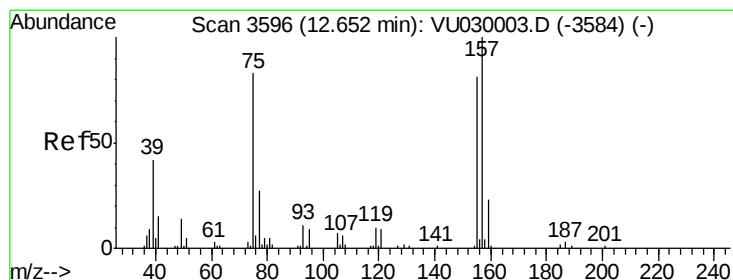
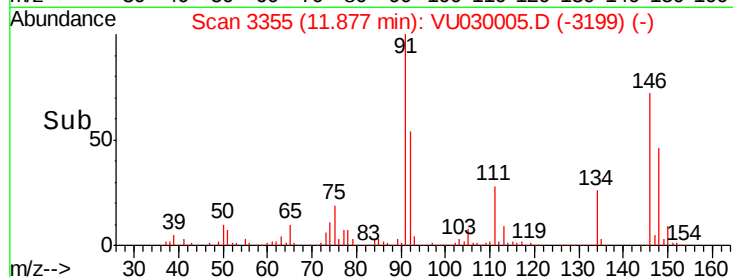
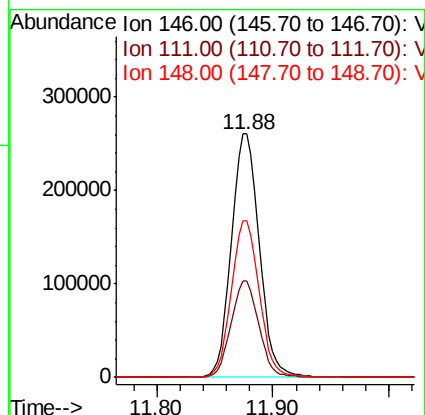
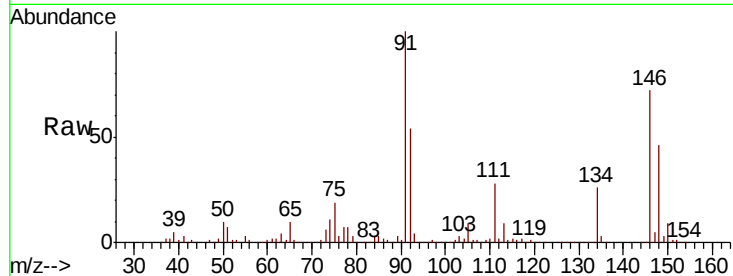
#85
 1,2-Dichlorobenzene
 Concen: 10.600 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030005.D
 Acq: 12 Mar 2019 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU031419

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.7
148	64.3	31.7	95.1

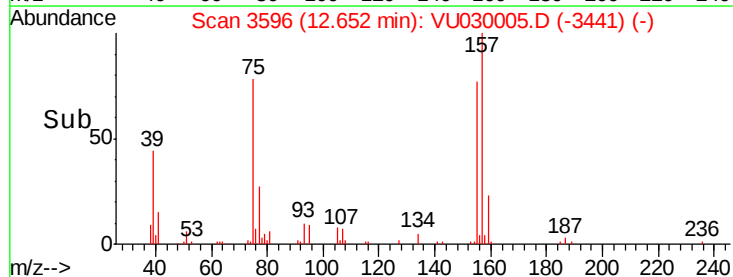
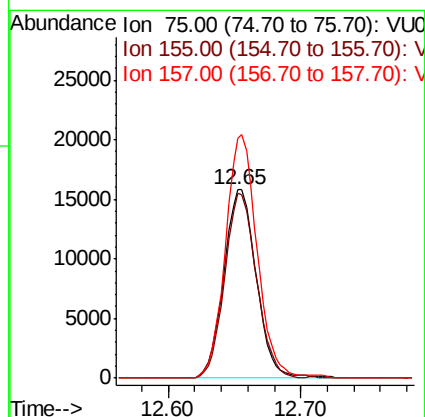
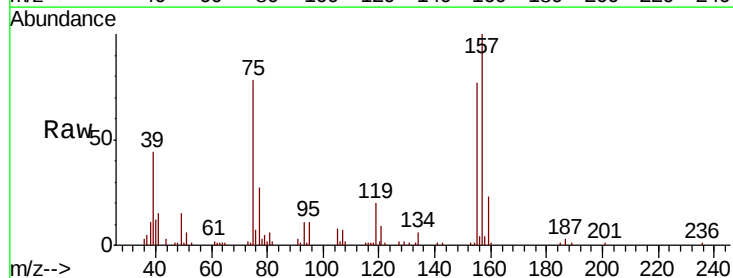
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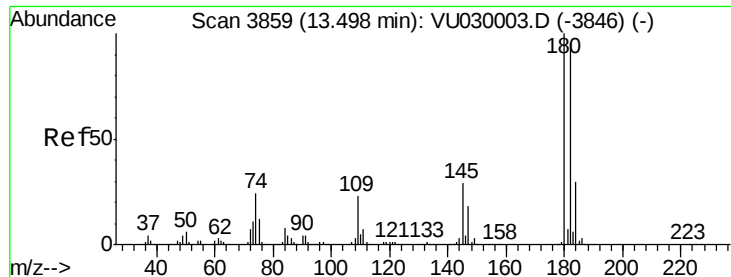
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 11.240 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU030005.D
 Acq: 12 Mar 2019 12:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	78.2	117.4
157	125.8	97.2	145.8





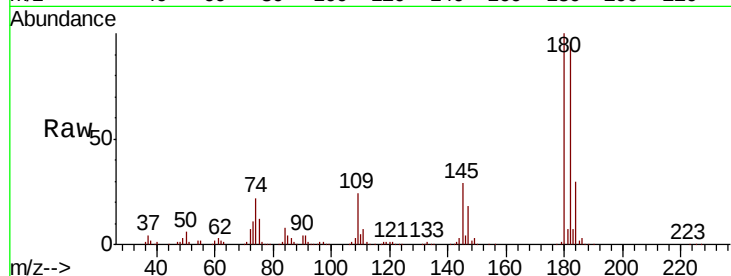
#87
1,2,4-Trichlorobenzene
Concen: 11.812 ug/l
RT: 13.50 min Scan# 3860
Delta R.T. 0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Instrument :
MSVOA_U
ClientSampleId :
ICVVU031419

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	346773		
182	95.3	76.2	114.2	
145	28.9	23.0	34.6	

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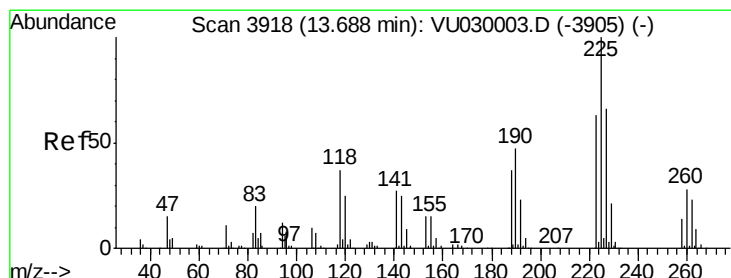
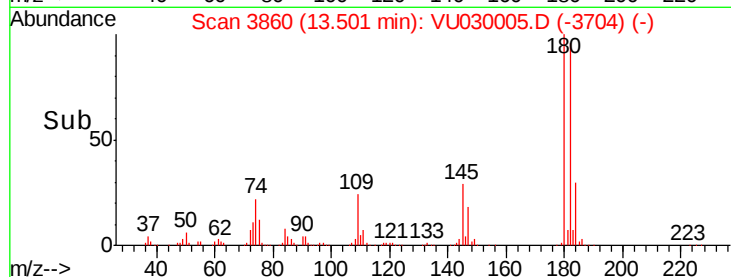
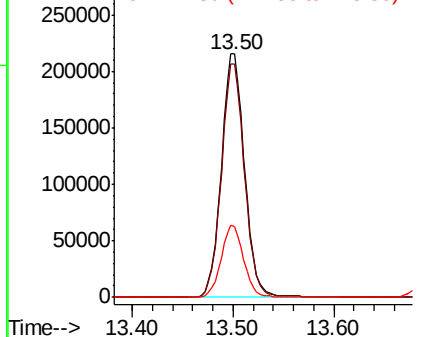


Abundance

Ion 179.70 (179.40 to 180.40): V

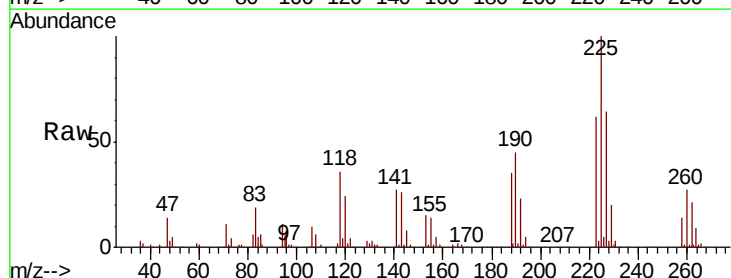
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88
Hexachlorobutadiene
Concen: 11.239 ug/l
RT: 13.69 min Scan# 3918
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	178833		
223	62.5	50.7	76.1	
227	62.9	52.6	78.8	

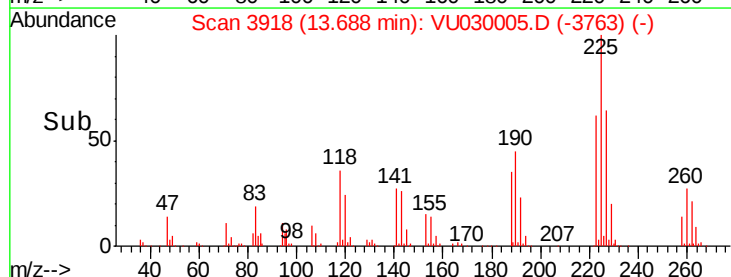
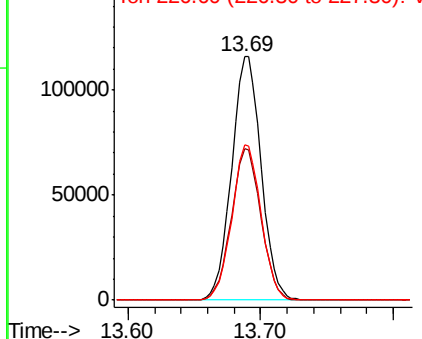


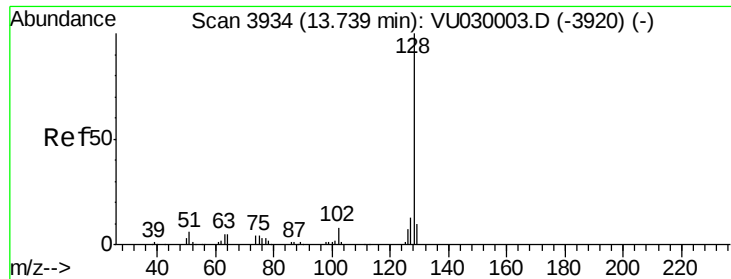
Abundance

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





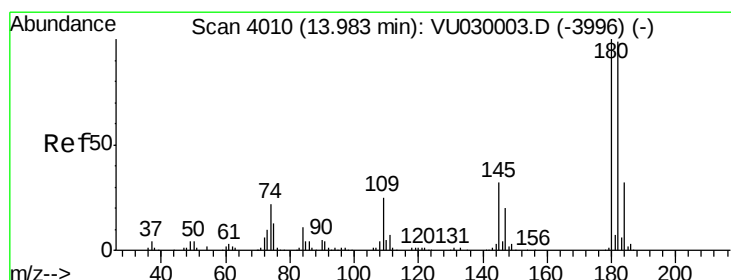
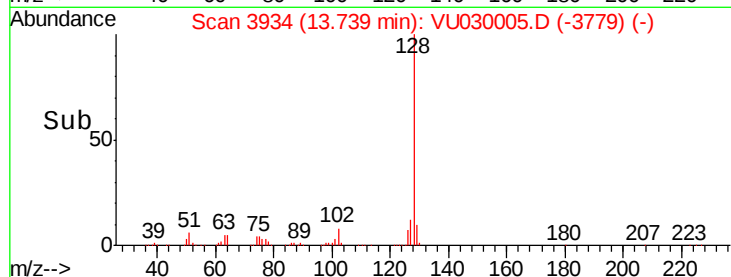
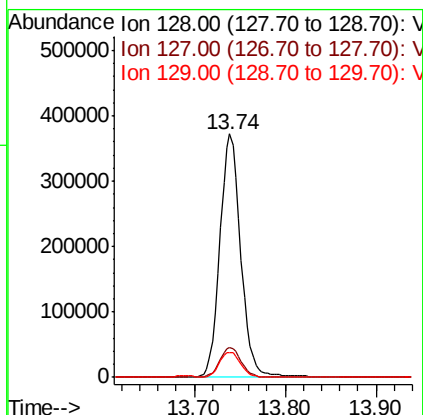
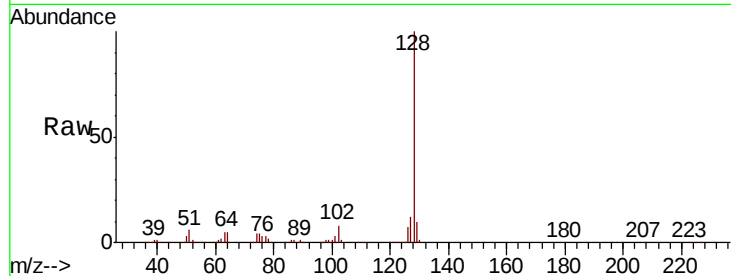
#89
Naphthalene
Concen: 12.916 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Instrument :
MSVOA_U
ClientSampleId :
ICVVU031419

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.7	8.5	12.7

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#90
1,2,3-Trichlorobenzene
Concen: 11.615 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. -0.00 min
Lab File: VU030005.D
Acq: 12 Mar 2019 12:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.6	116.4
145	30.8	24.7	37.1

