

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031419\
 Data File : VU030001.D
 Acq On : 12 Mar 2019 10:54
 Operator : JC/SP
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 12:55:29 PM

Quant Time: Mar 13 04:17:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U031419DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Mar 13 04:00:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	61234	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	21806	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	25237	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	43516	1.938	ug/l	100
3) Chloromethane	1.33	50	49205	1.931	ug/l	98
4) Vinyl Chloride	1.40	62	41425	1.897	ug/l	97
5) Bromomethane	1.63	94	24735	1.982	ug/l	98
6) Chloroethane	1.70	64	23783	1.887	ug/l	99
7) Trichlorofluoromethane	1.88	101	54582	1.927	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	30278	1.965	ug/l	99
9) 1,1-Dichloroethene	2.28	96	28647	1.875	ug/l	95
10) Iodomethane	2.41	142	18623	1.407	ug/l	96
11) Allyl Chloride	2.59	41	40970	1.896	ug/l	98
12) Acrylonitrile	2.94	53	12770	3.859	ug/l	95
13) Acetone	2.32	43	26654	9.252	ug/l	95
14) Carbon Disulfide	2.48	76	98787	1.856	ug/l	98
15) Methylene Chloride	2.70	84	33360	1.834	ug/l	97
16) trans-1,2-Dichloroethene	2.97	96	34426	1.951	ug/l	99
17) 1,1-Dichloroethane	3.44	63	57276	1.920	ug/l	99
18) 2-Butanone	4.28	43	39339	9.863	ug/l	99
19) Cyclohexane	4.99	56	48909m	1.921	ug/l	
20) Methylcyclohexane	6.41	83	54439	1.930	ug/l	97
21) 2,2-Dichloropropane	4.22	77	47277	1.885	ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	37522	1.913	ug/l	99
23) Diethyl Ether	2.10	59	22148	1.940	ug/l	97
24) tert-Butyl Alcohol	2.83	59	23458	19.201	ug/l #	84
25) Methyl tert-Butyl Ether	3.00	73	72833	1.888	ug/l	99
26) Bromochloromethane	4.54	128	16862	1.965	ug/l	98
27) Chloroform	4.67	83	57765	1.841	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	49025	1.899	ug/l	98
29) 1,1-Dichloropropene	5.13	75	42479	1.807	ug/l	97
30) Carbon Tetrachloride	5.13	117	43635	1.890	ug/l	97
31) Isopropyl Ether	3.58	45	77411	1.844	ug/l	97
32) Ethyl-t-butyl ether	4.07	59	74890	1.852	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	69575	1.879	ug/l	99
34) Propionitrile	4.34	54	9911	8.759	ug/l #	95
35) Benzene	5.39	78	131289	1.909	ug/l	99
36) 1,2-Dichloroethane	5.40	62	34067	1.853	ug/l	99
37) Trichloroethene	6.18	130	37887	1.913	ug/l	94
38) 1,2-Dichloropropane	6.43	63	33331	1.906	ug/l	97
39) Methacrylonitrile	4.55	41	8798	1.815	ug/l #	91
40) Methyl acrylate	4.43	55	14731	1.923	ug/l #	96
41) Tetrahydrofuran	4.65	42	9686	3.612	ug/l	93
42) 1-Chlorobutane	5.06	56	57710	1.874	ug/l	98

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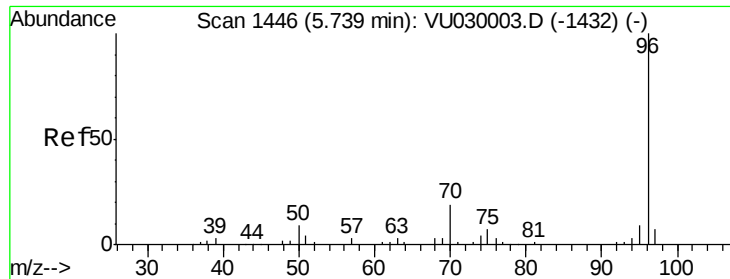
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	17301	1.913	ug/l	94
44) Bromodichloromethane	6.75	83	40726	1.887	ug/l	96
45) 4-Methyl-2-Pentanone	7.46	43	84297	9.433	ug/l	99
46) t-1,4-Dichloro-2-butene	10.51	75	11292m	3.251	ug/l	
47) Methyl methacrylate	6.63	69	28685	3.785	ug/l	98
48) Ethyl methacrylate	8.02	69	26963	1.887	ug/l	98
49) Toluene	7.63	92	79650	1.922	ug/l	94
50) t-1,3-Dichloropropene	7.88	75	36407	1.884	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	44920	1.849	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	24373	1.906	ug/l	99
53) 1,3-Dichloropropane	8.24	76	40551	1.896	ug/l	98
54) 2-Hexanone	8.36	43	59472	9.236	ug/l	98
55) Dibromochloromethane	8.48	129	28183	1.832	ug/l	100
56) 1,2-Dibromoethane	8.58	107	22994	1.868	ug/l	99
58) Tetrachloroethene	8.22	164	34482	1.917	ug/l	98
59) Chlorobenzene	9.12	112	89216	1.884	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	30644	1.832	ug/l	97
61) Pentachloroethane	11.10	117	23773	1.842	ug/l	96
62) Hexachloroethane	12.14	117	23258	1.788	ug/l	99
63) Ethyl Benzene	9.25	91	145244	1.868	ug/l	98
64) m/p-Xylenes	9.37	106	113346	3.704	ug/l	99
65) o-Xylene	9.78	106	55697	1.856	ug/l	99
66) Styrene	9.79	104	90513	1.840	ug/l	99
67) Bromoform	9.96	173	15851	1.803	ug/l	99
69) Isopropylbenzene	10.16	105	146402	1.871	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	30119	1.911	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	23113m	1.975	ug/l	
72) Bromobenzene	10.45	156	39063	1.904	ug/l	98
73) n-propylbenzene	10.58	120	42377	1.909	ug/l	95
74) 2-Chlorotoluene	10.66	126	36921	1.899	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	125572	1.884	ug/l	99
76) 4-Chlorotoluene	10.77	126	36444	1.837	ug/l	99
77) tert-Butylbenzene	11.10	119	121401	1.861	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	125913	1.857	ug/l	99
79) sec-Butylbenzene	11.32	105	164523	1.882	ug/l	100
80) Nitrobenzene	12.87	77	2007m	6.818	ug/l	
81) p-Isopropyltoluene	11.47	119	139680	1.905	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	76814	1.853	ug/l	98
83) 1,4-Dichlorobenzene	11.50	146	78205	1.877	ug/l	99
84) n-Butylbenzene	11.89	91	127342	1.859	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	71658	1.858	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	3998	1.761	ug/l	100
87) 1,2,4-Trichlorobenzene	13.50	180	50090	1.799	ug/l	99
88) Hexachlorobutadiene	13.69	225	29059	1.926	ug/l	96
89) Naphthalene	13.74	128	77835	1.784	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	46263	1.834	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

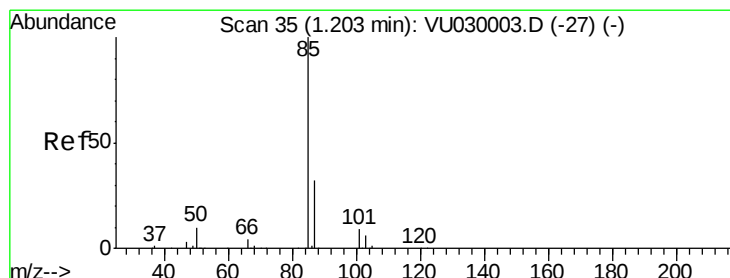
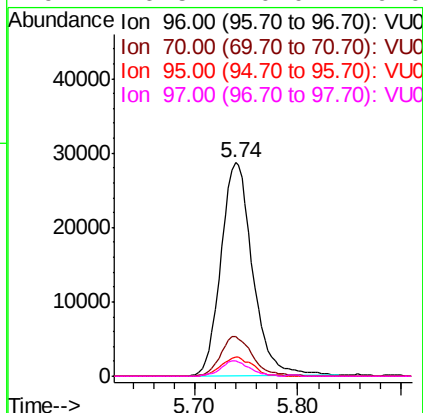
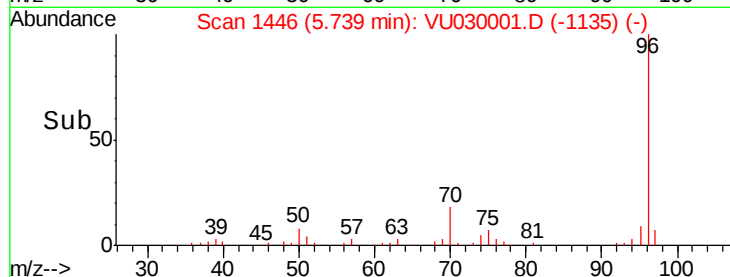
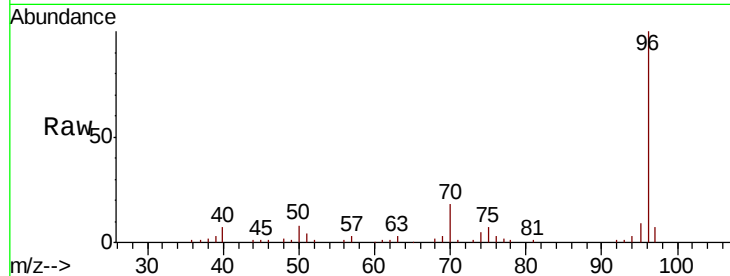
ClientSampleId :

VSTDIC002

Tgt Ion:	96	Resp:	61234
Ion	Ratio	Lower	Upper
96	100		
70	18.7	15.5	23.3
95	8.8	6.6	9.8
97	6.5	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 1.938 ug/l

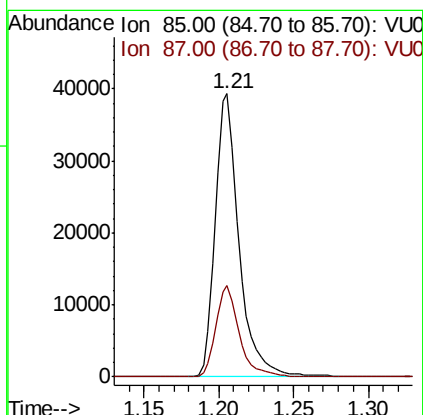
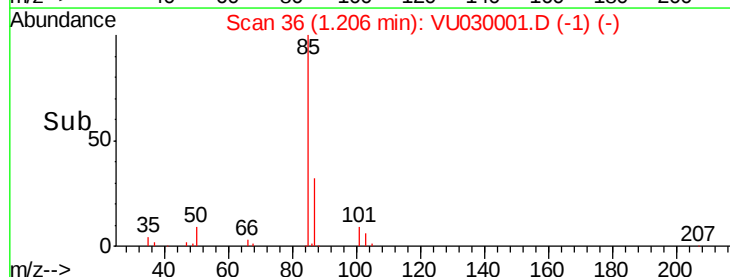
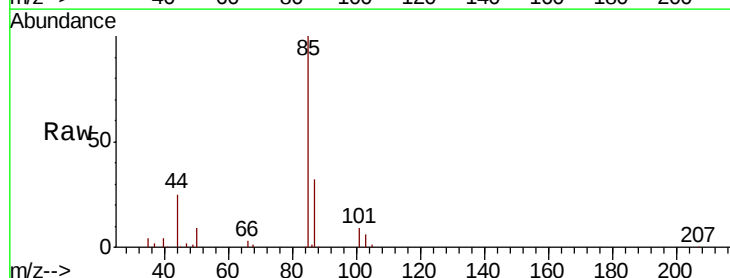
RT: 1.21 min Scan# 36

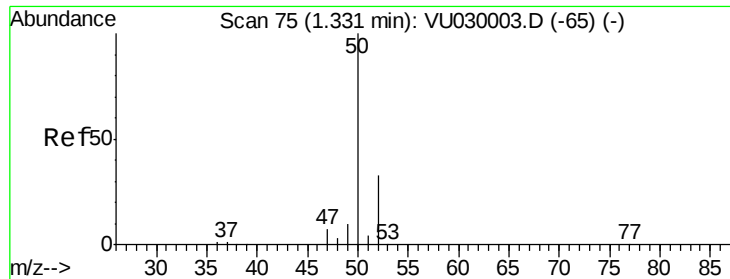
Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Tgt Ion:	85	Resp:	43516
Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.2	48.6





#3

Chloromethane

Concen: 1.931 ug/l

RT: 1.33 min Scan# 75

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 50 Resp: 49205

Ion Ratio Lower Upper

50 100

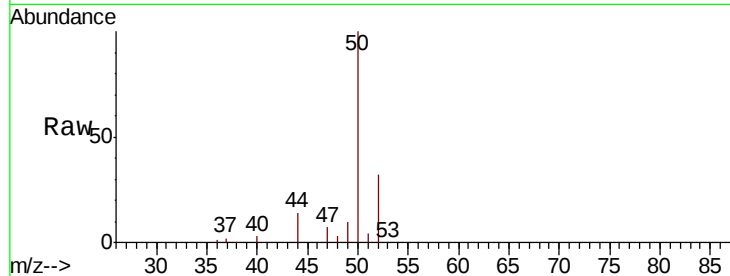
52 31.7 26.1 39.1

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

50000

40000

30000

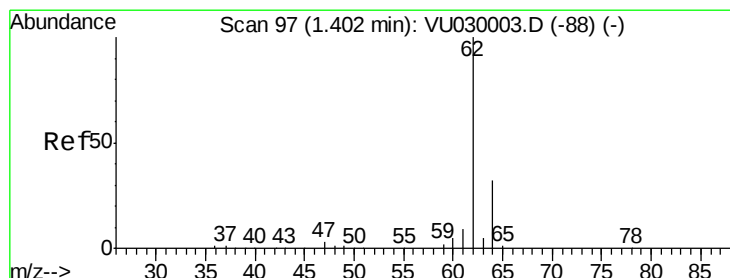
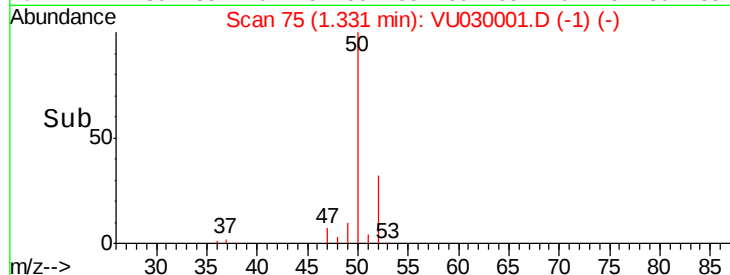
20000

10000

0

Time-->

1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 1.897 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030001.D

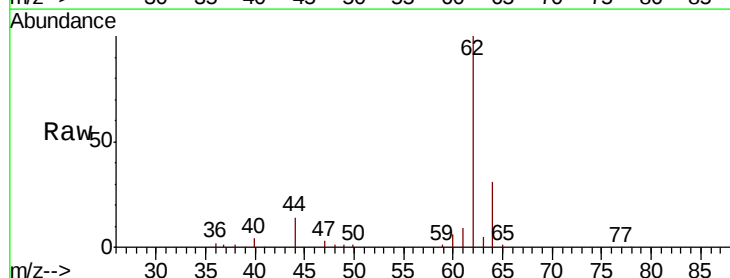
Acq: 12 Mar 2019 10:54

Tgt Ion: 62 Resp: 41425

Ion Ratio Lower Upper

62 100

64 31.1 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

40000

30000

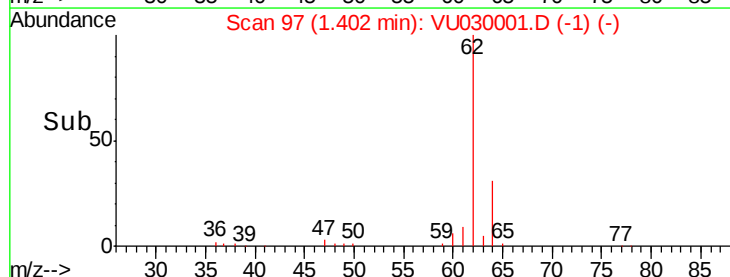
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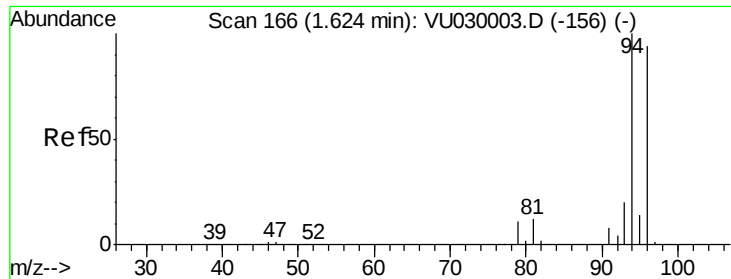
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0

Time-->

1.35 1.40 1.45





#5

Bromomethane

Concen: 1.982 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 94 Resp: 24735

Ion Ratio Lower Upper

94 100

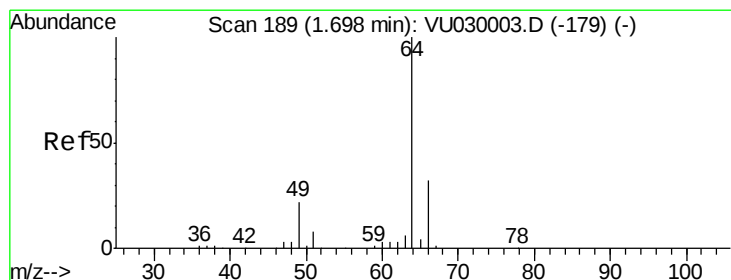
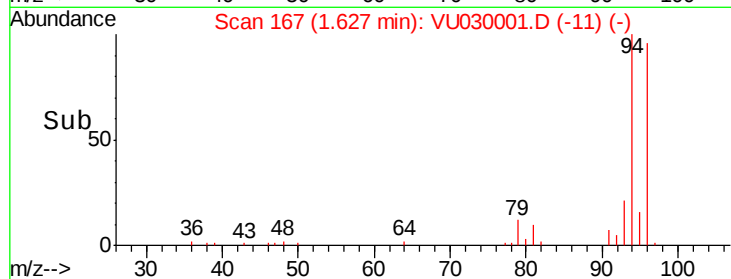
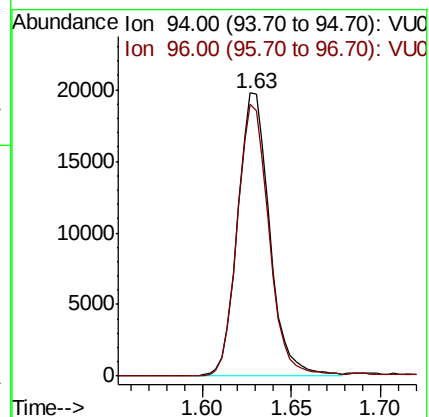
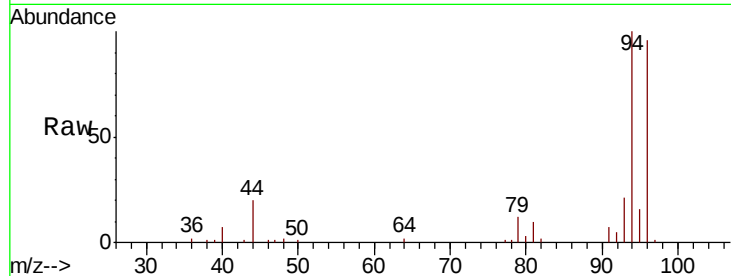
96 96.0 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 1.887 ug/l

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU030001.D

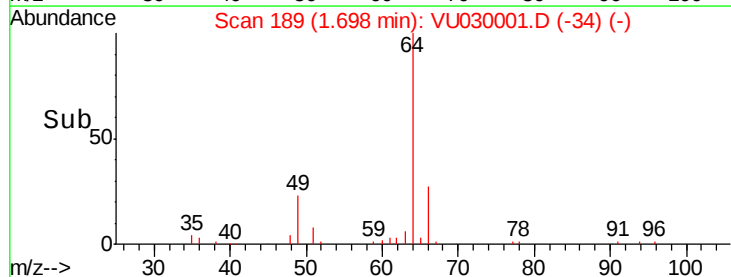
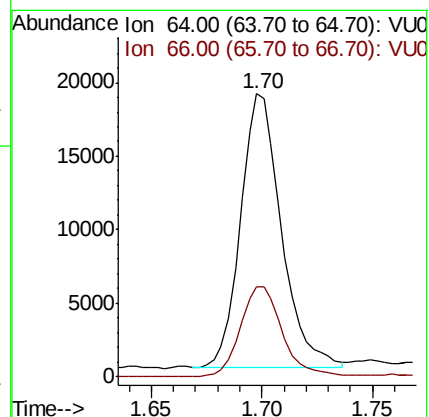
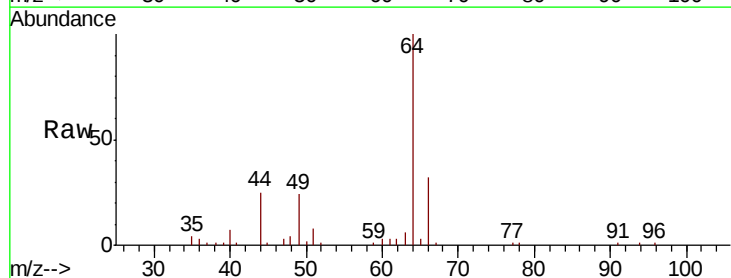
Acq: 12 Mar 2019 10:54

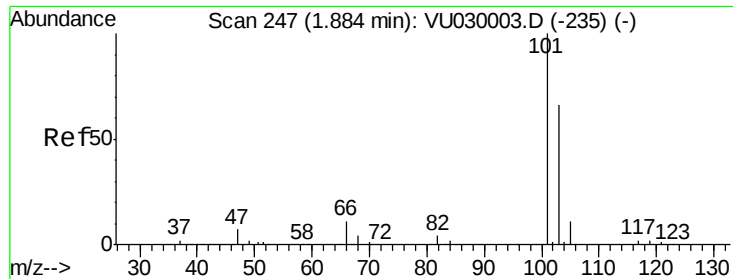
Tgt Ion: 64 Resp: 23783

Ion Ratio Lower Upper

64 100

66 33.0 25.8 38.6





#7

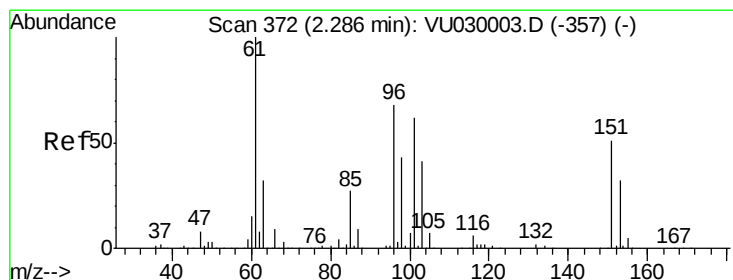
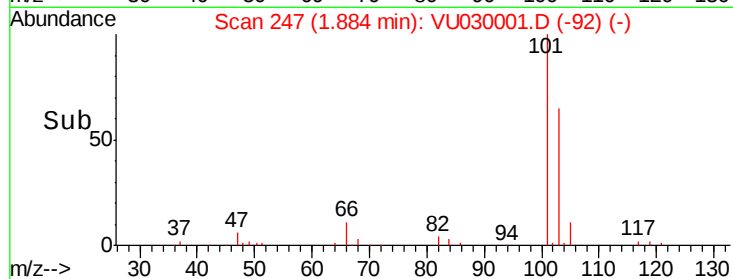
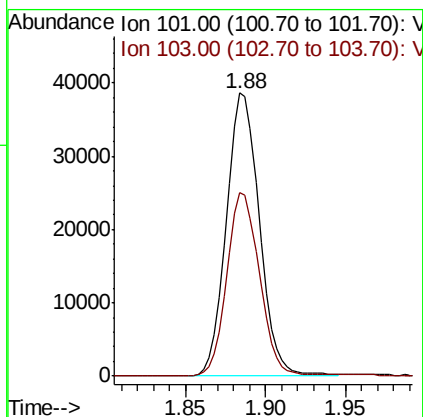
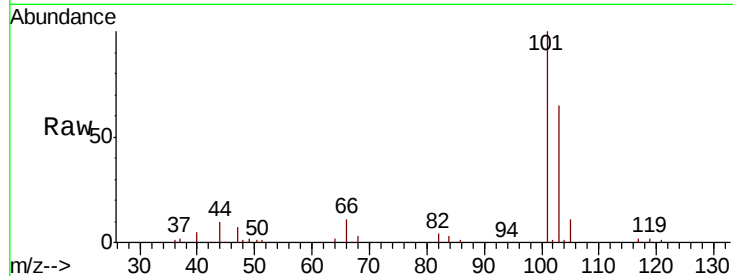
Trichlorofluoromethane
 Concen: 1.927 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. -0.00 min
 Lab File: VU030001.D
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Tgt Ion:101 Resp: 54582
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.6 79.0

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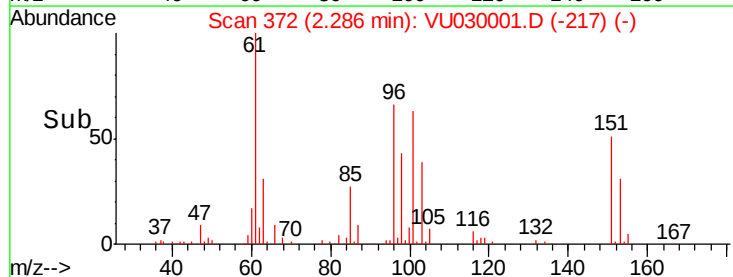
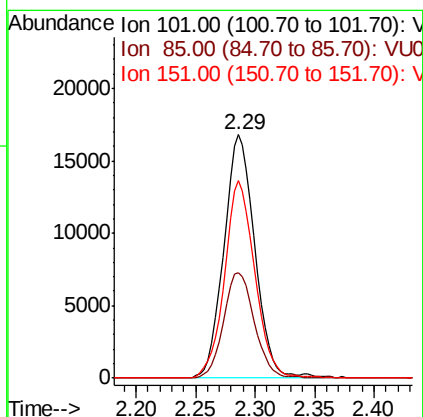
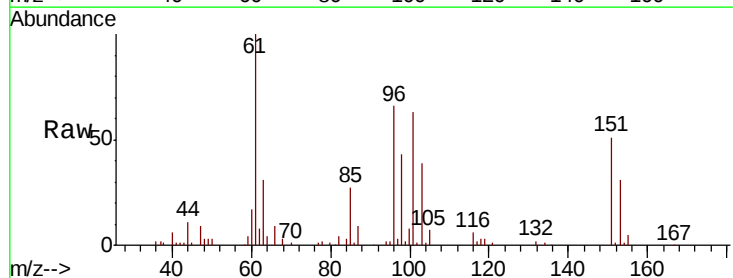
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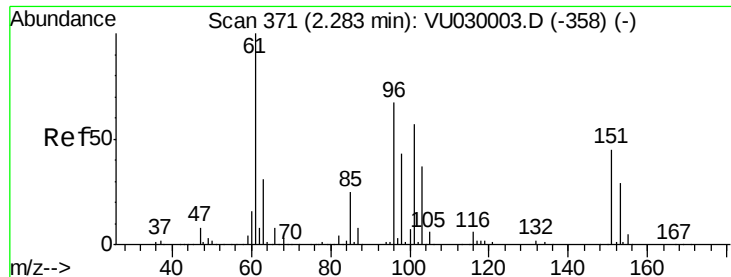


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.965 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Tgt Ion:101 Resp: 30278
 Ion Ratio Lower Upper
 101 100
 85 42.0 33.6 50.4
 151 79.3 65.0 97.4





#9

1,1-Dichloroethene

Concen: 1.875 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

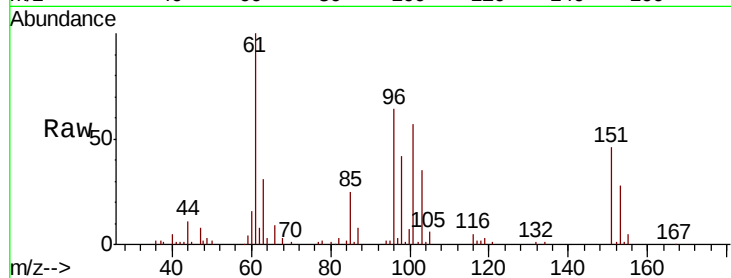
ClientSampleId :

VSTDIC002

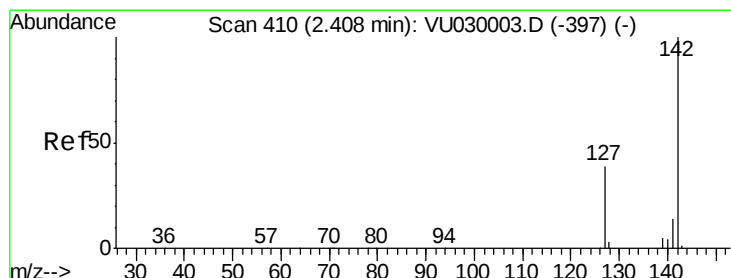
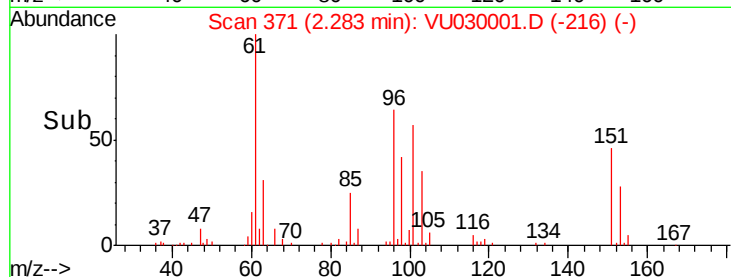
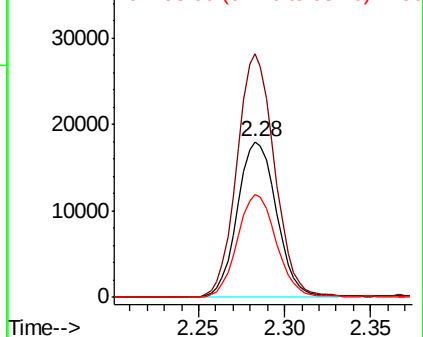
Tgt Ion:	96	Resp:	28647
Ion	Ratio	Lower	Upper
96	100		
61	156.3	0.0	447.0
98	66.1	0.0	129.2

Manual Integrations
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Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#10

Iodomethane

Concen: 1.407 ug/l

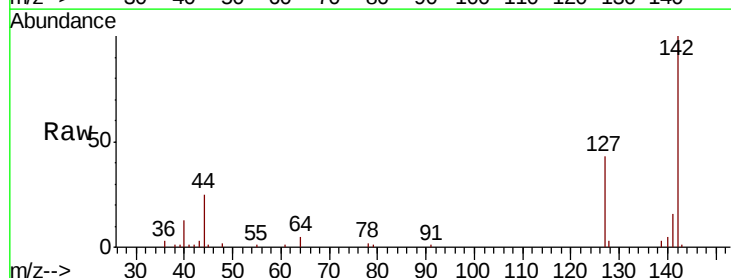
RT: 2.41 min Scan# 410

Delta R.T. -0.00 min

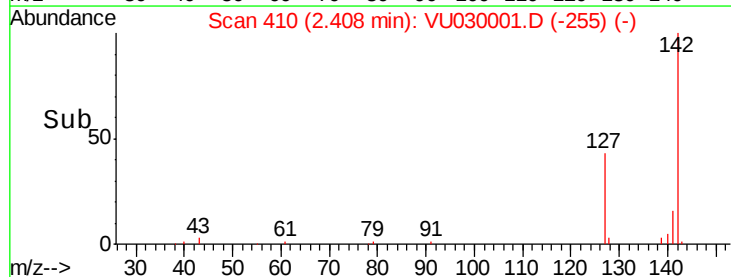
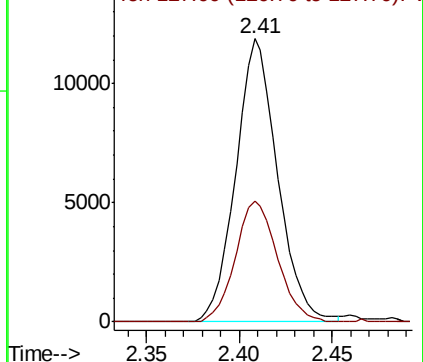
Lab File: VU030001.D

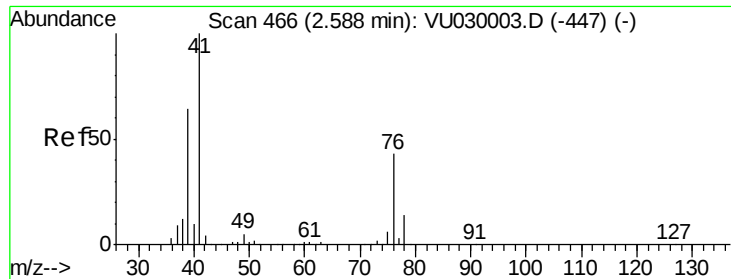
Acq: 12 Mar 2019 10:54

Tgt Ion:	142	Resp:	18623
Ion	Ratio	Lower	Upper
142	100		
127	42.8	32.2	48.4



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V





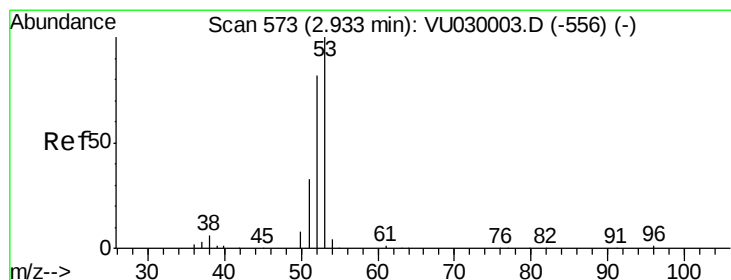
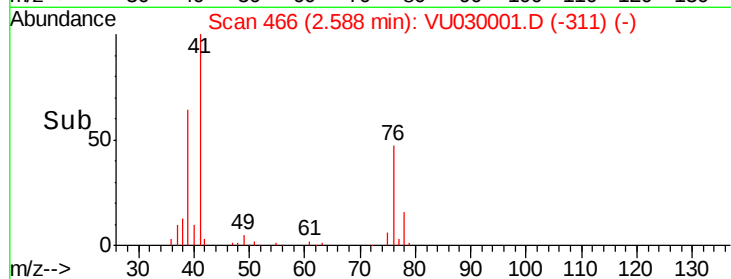
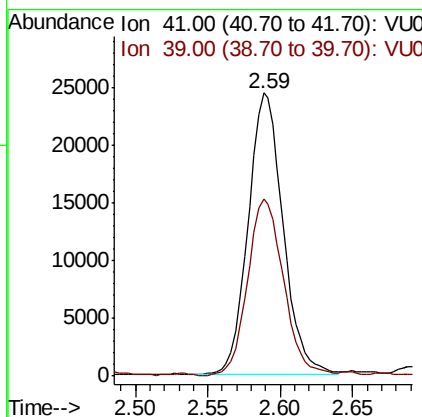
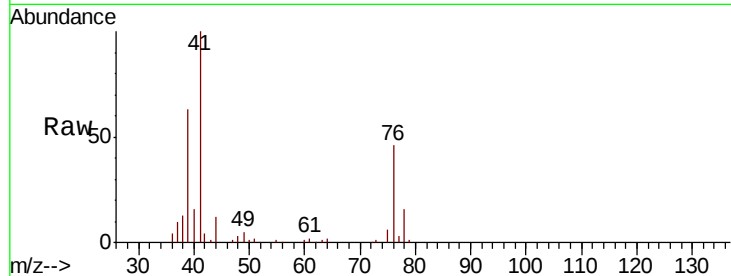
#11
 Allyl Chloride
 Concen: 1.896 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tgt Ion: 41 Resp: 40970
 Ion Ratio Lower Upper
 41 100
 39 65.2 50.8 76.2

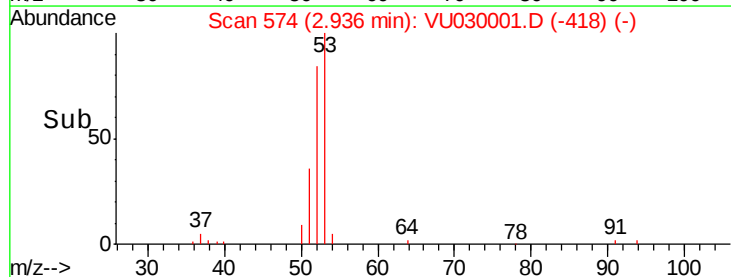
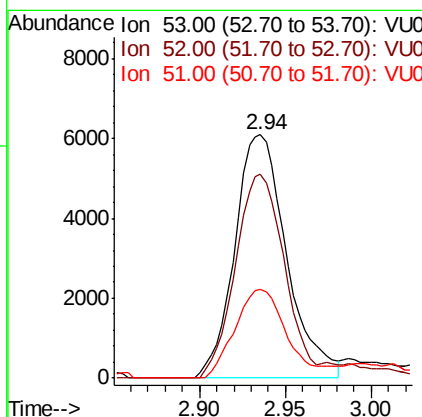
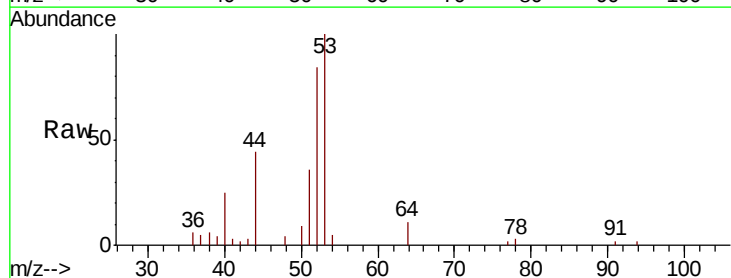
Manual Integrations
 APPROVED

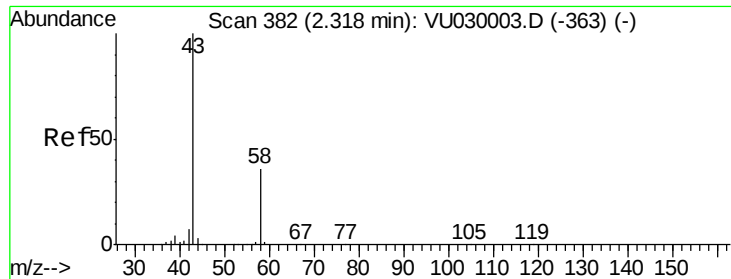
MMDadoda
 3/13/2019 12:55:29 PM



#12
 Acrylonitrile
 Concen: 3.859 ug/l
 RT: 2.94 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Tgt Ion: 53 Resp: 12770
 Ion Ratio Lower Upper
 53 100
 52 79.1 66.3 99.5
 51 36.6 26.9 40.3





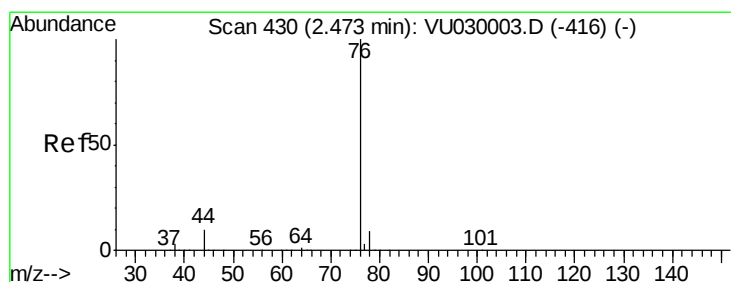
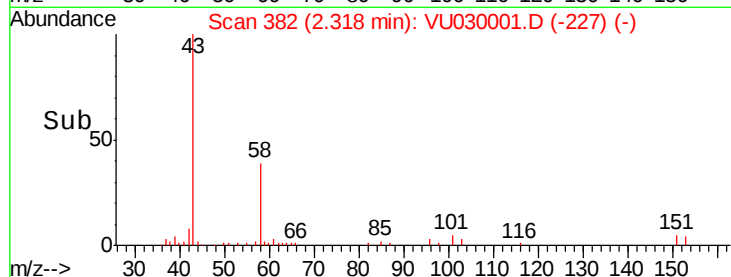
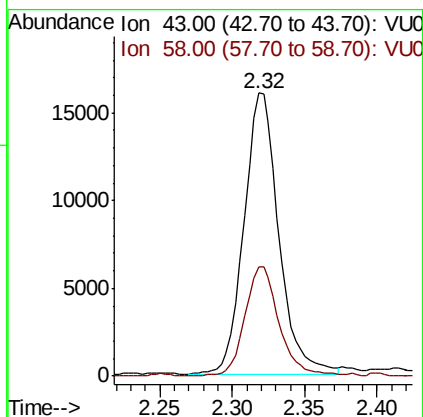
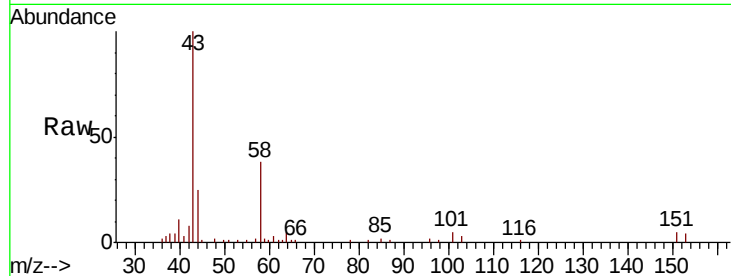
#13
Acetone
Concen: 9.252 ug/l
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion: 43 Resp: 26654
Ion Ratio Lower Upper
43 100
58 38.8 28.6 43.0

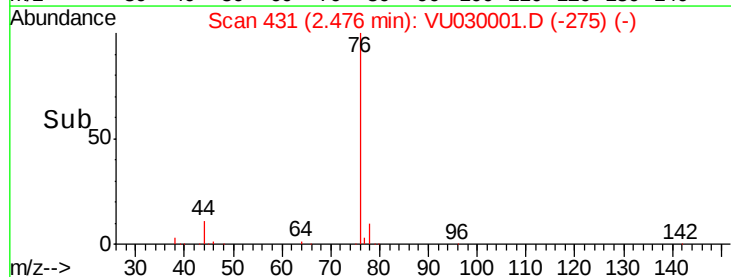
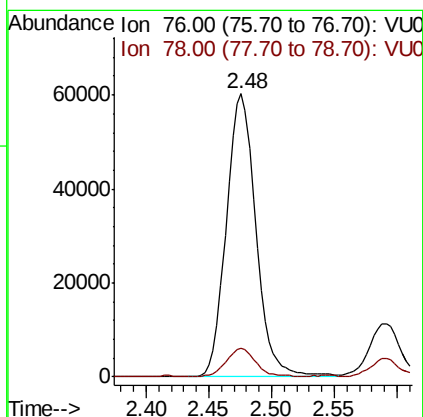
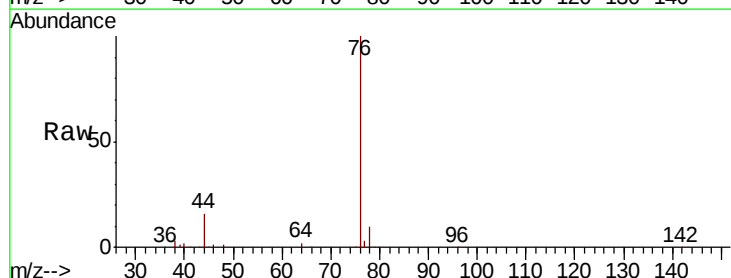
Manual Integrations
APPROVED

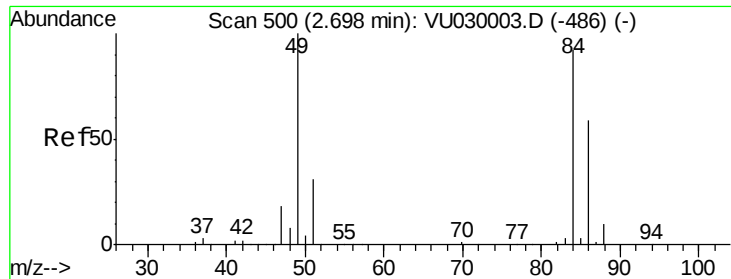
MMDadoda
3/13/2019 12:55:29 PM



#14
Carbon Disulfide
Concen: 1.856 ug/l
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion: 76 Resp: 98787
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.2





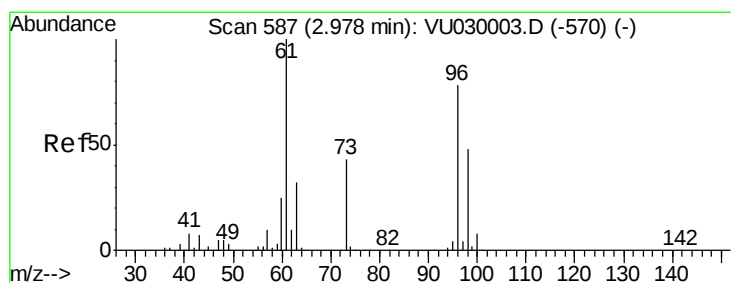
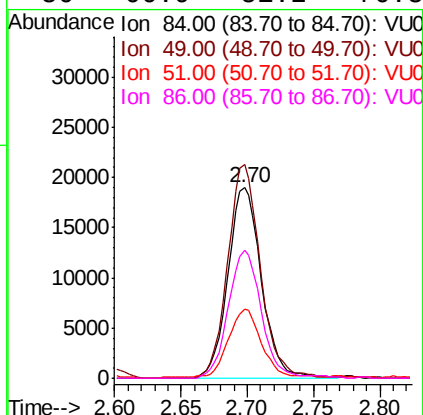
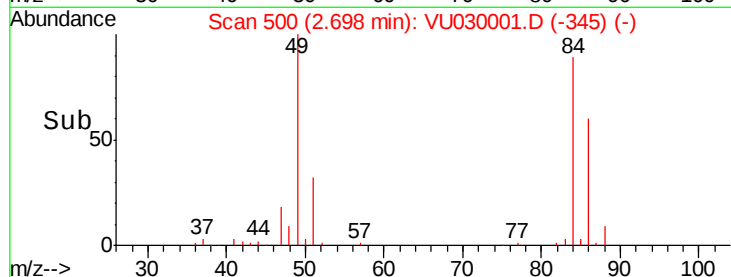
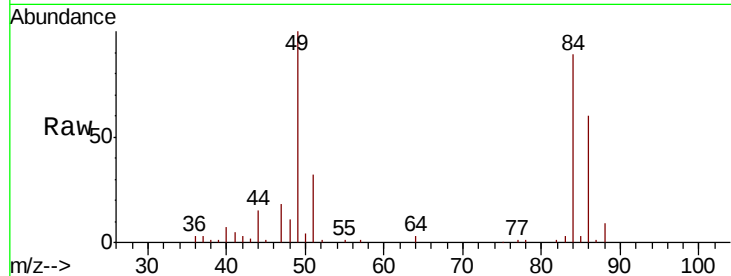
#15
Methylene Chloride
Concen: 1.834 ug/l
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.4	86.5	129.7
51	35.5	0.0	66.8
86	66.9	51.2	76.8

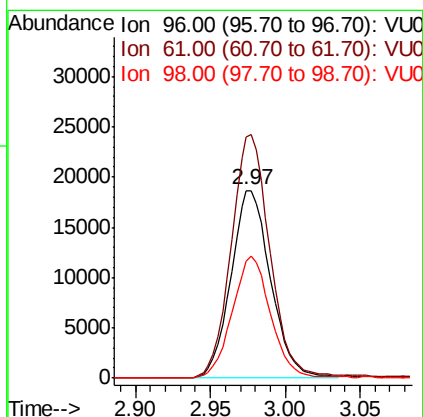
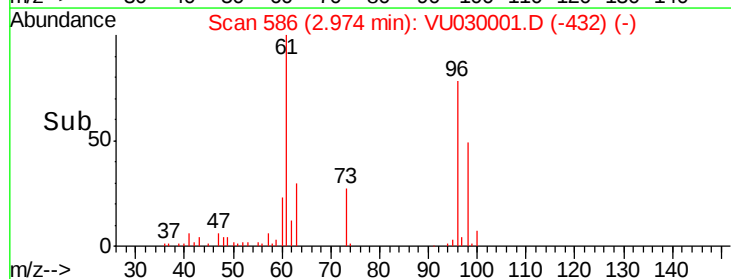
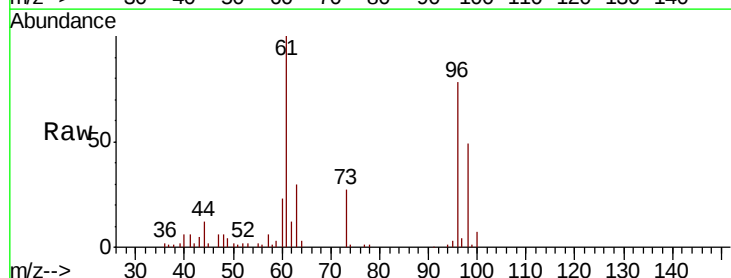
Manual Integrations
APPROVED

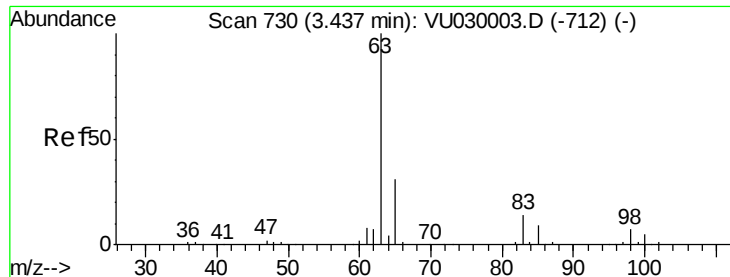
MMDadoda
3/13/2019 12:55:29 PM



#16
trans-1,2-Dichloroethene
Concen: 1.951 ug/l
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.1	103.0	154.6
98	62.5	49.5	74.3





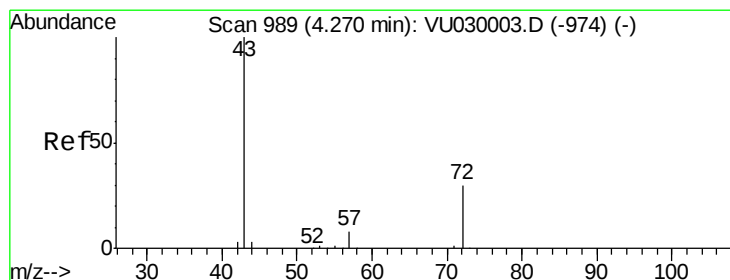
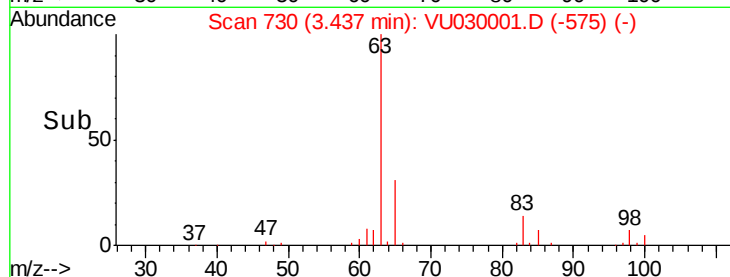
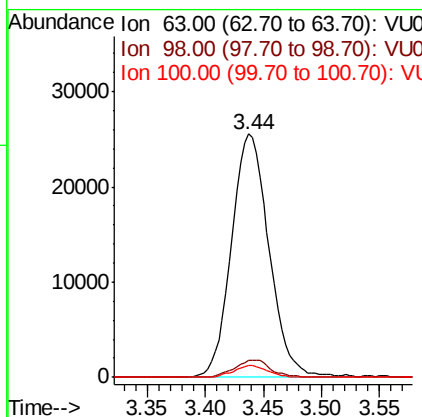
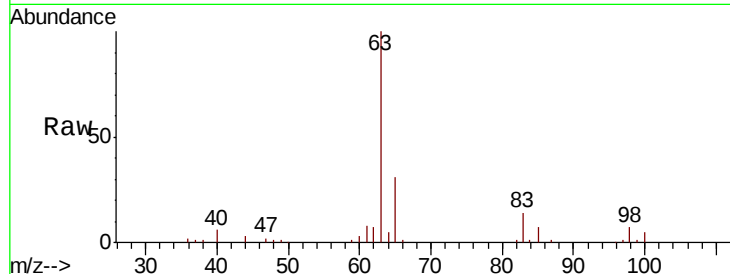
#17
 1,1-Dichloroethane
 Concen: 1.920 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.9	2.3	6.8

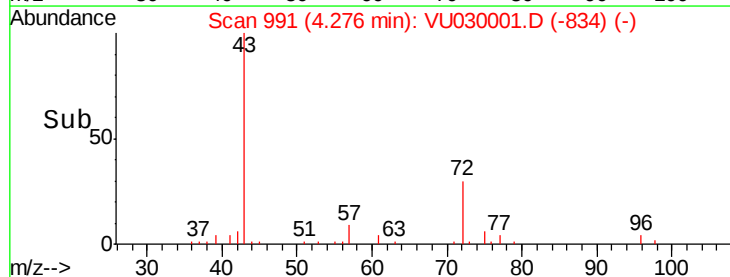
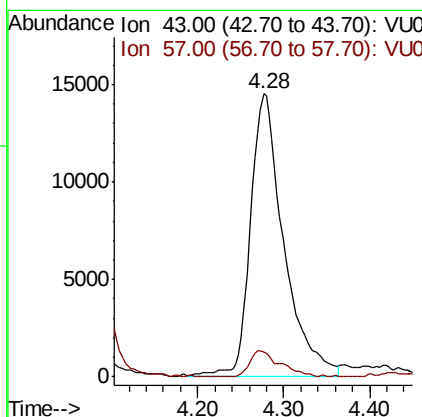
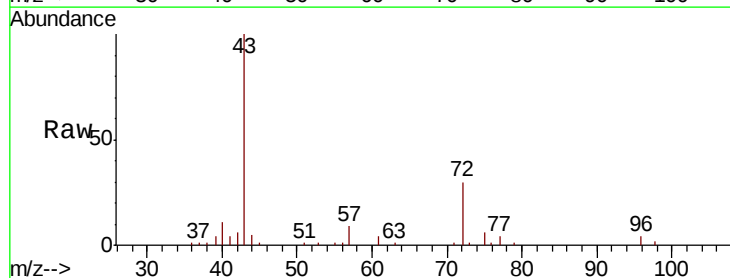
Manual Integrations
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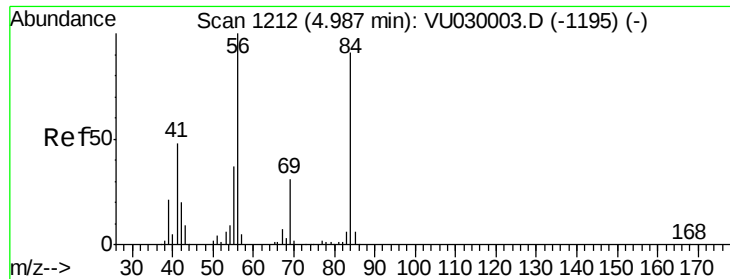
MMDadoda
 3/13/2019 12:55:29 PM



#18
 2-Butanone
 Concen: 9.863 ug/l
 RT: 4.28 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.7	0.0	16.8





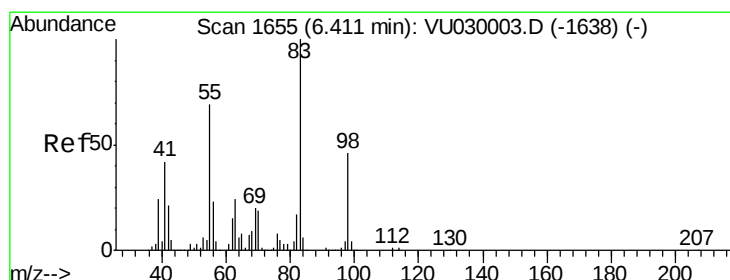
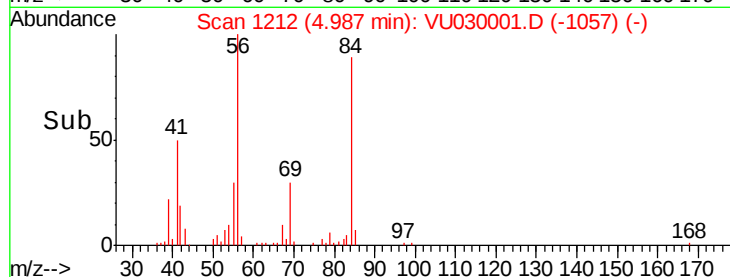
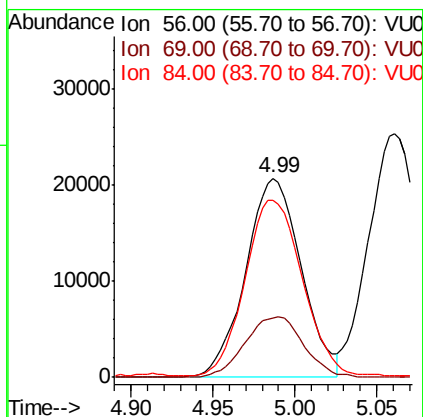
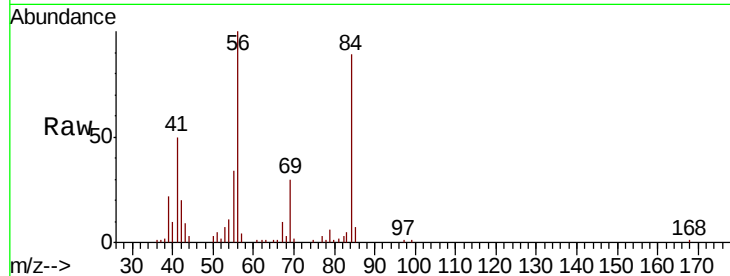
#19
Cyclohexane
Concen: 1.921 ug/l m
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.7	38.5
84	89.9	72.9	109.3

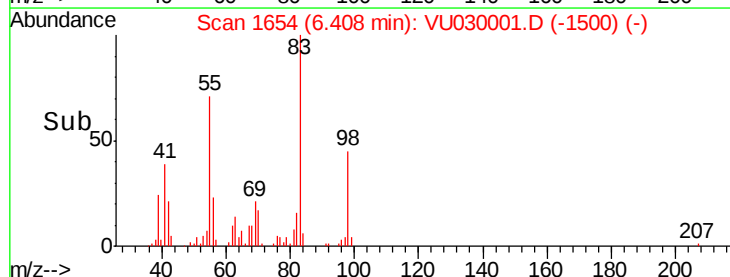
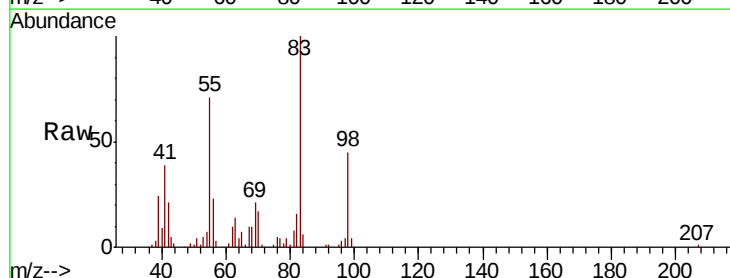
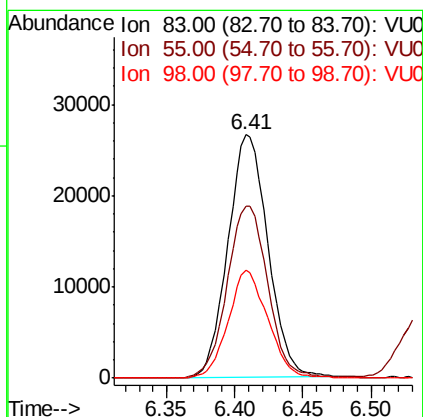
Manual Integrations
APPROVED

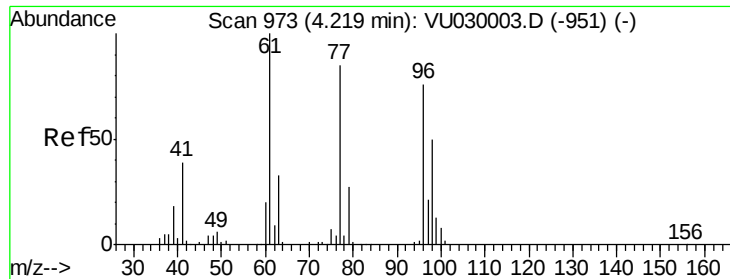
MMDadoda
3/13/2019 12:55:29 PM



#20
Methylcyclohexane
Concen: 1.930 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.8	55.6	83.4
98	43.0	37.4	56.0





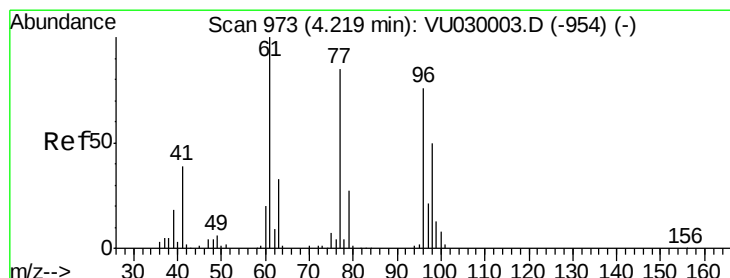
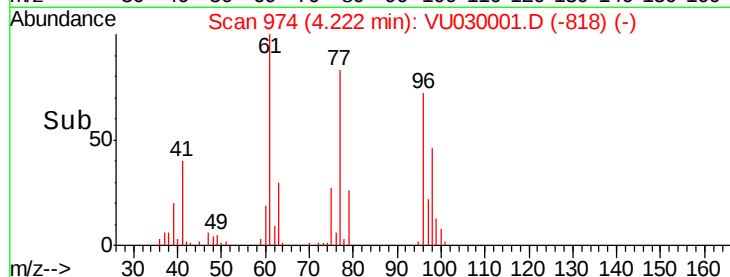
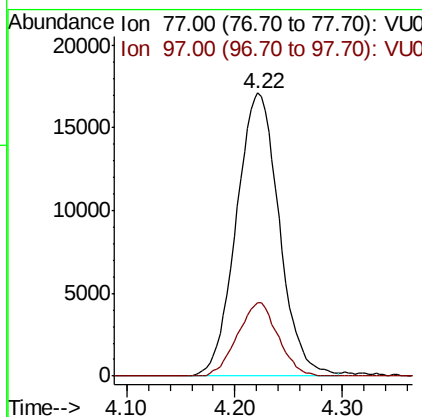
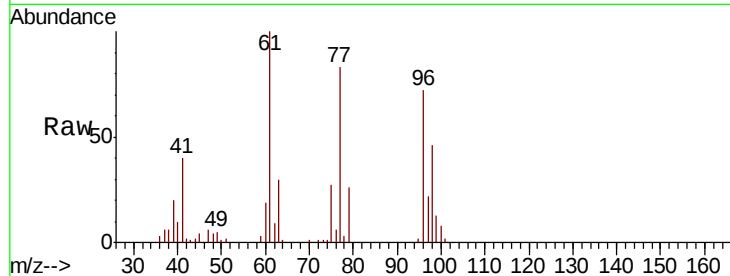
#21
 2,2-Dichloropropane
 Concen: 1.885 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tgt Ion: 77 Resp: 47277
 Ion Ratio Lower Upper
 77 100
 97 24.4 20.2 30.4

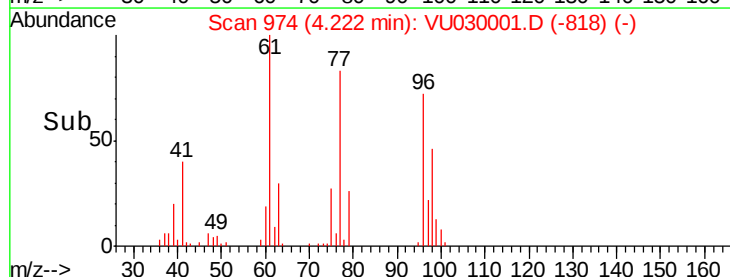
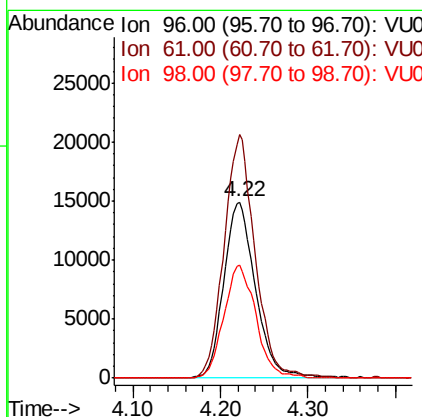
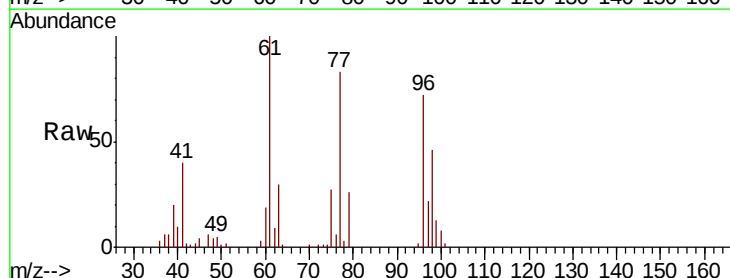
Manual Integrations
 APPROVED

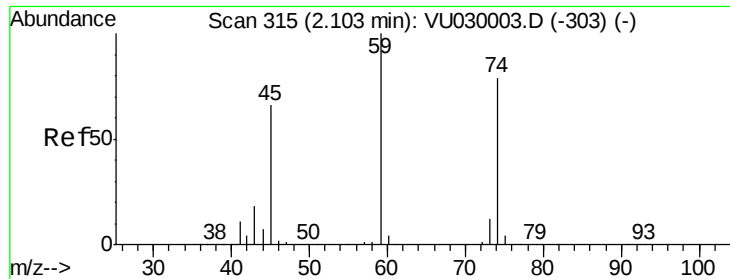
MMDadoda
 3/13/2019 12:55:29 PM



#22
 cis-1,2-Dichloroethene
 Concen: 1.913 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Tgt Ion: 96 Resp: 37522
 Ion Ratio Lower Upper
 96 100
 61 134.9 0.0 335.8
 98 64.6 32.6 97.7





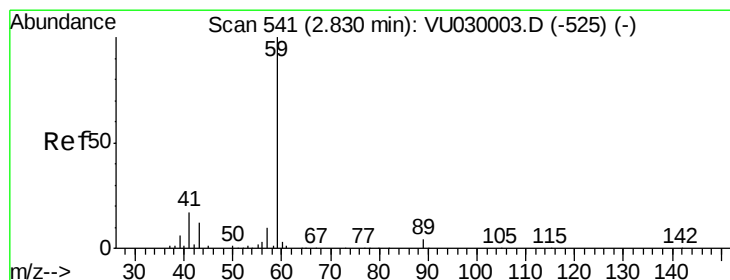
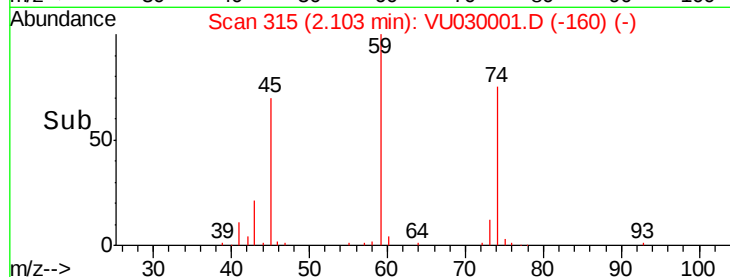
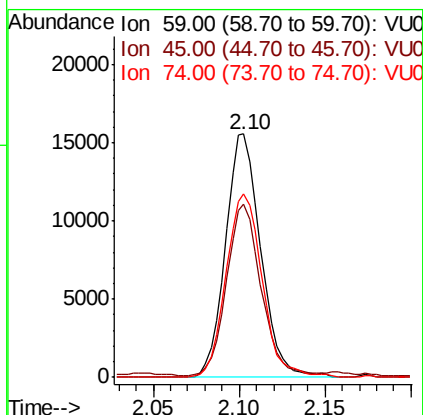
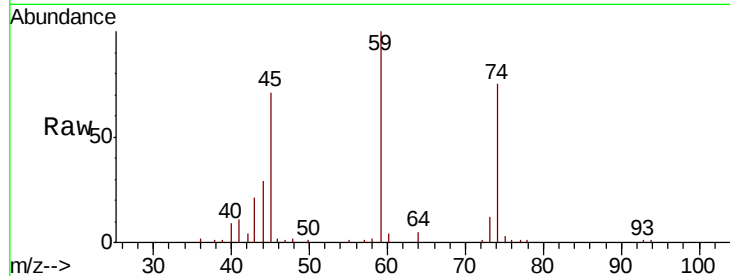
#23
Diethyl Ether
Concen: 1.940 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
59	100		
45	68.7	52.3	78.5
74	77.4	61.1	91.7

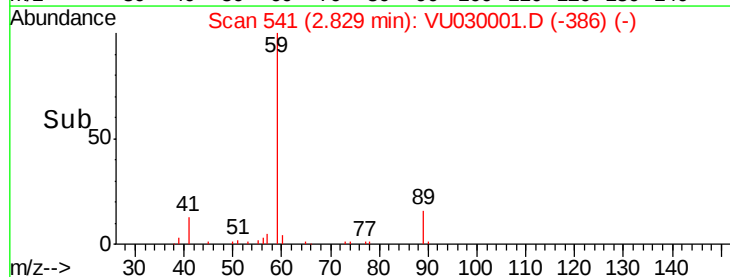
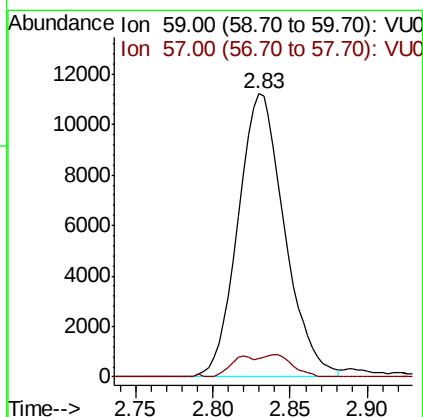
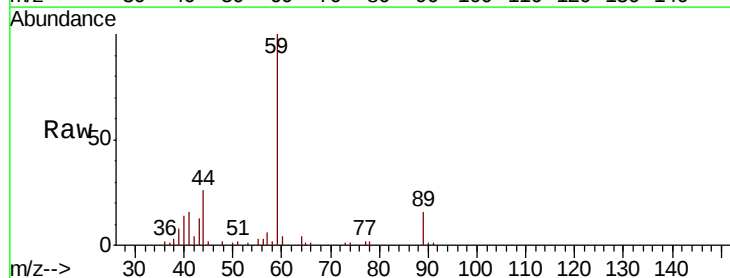
Manual Integrations
APPROVED

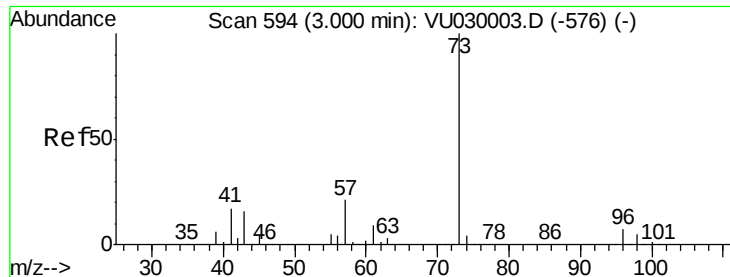
MMDadoda
3/13/2019 12:55:29 PM



#24
tert-Butyl Alcohol
Concen: 19.201 ug/l
RT: 2.83 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
59	100		
57	3.6	7.7	11.5#





#25

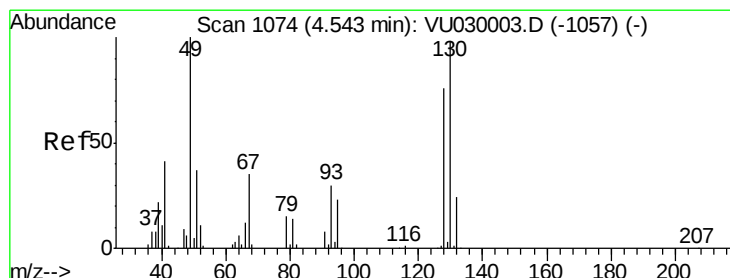
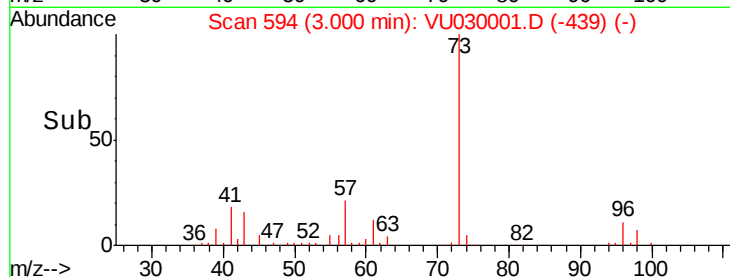
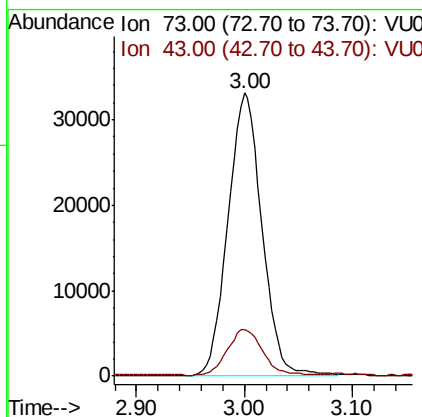
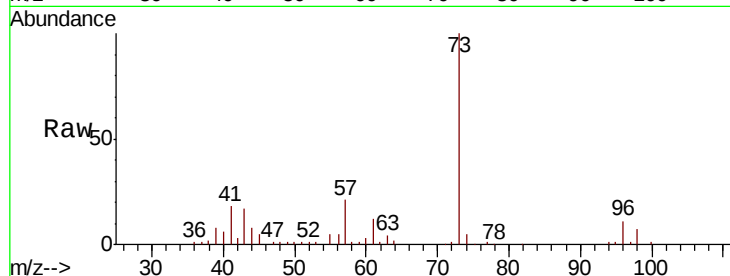
Methyl tert-Butyl Ether
Concen: 1.888 ug/l
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
73	100		
43	16.7	13.1	19.7

Manual Integrations
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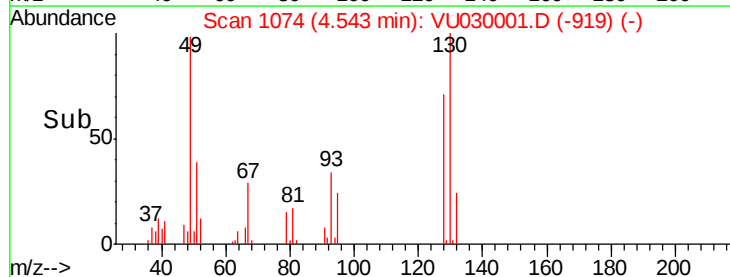
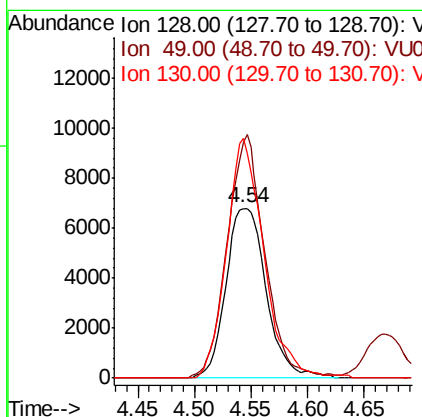
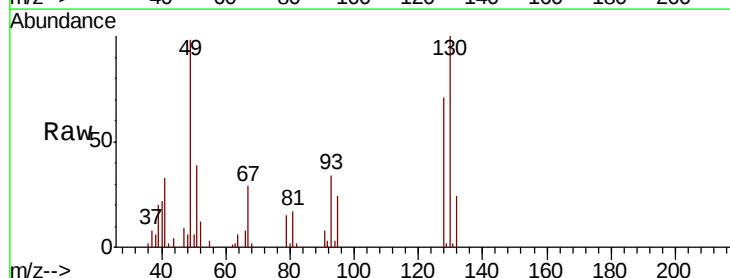
MMDadoda
3/13/2019 12:55:29 PM

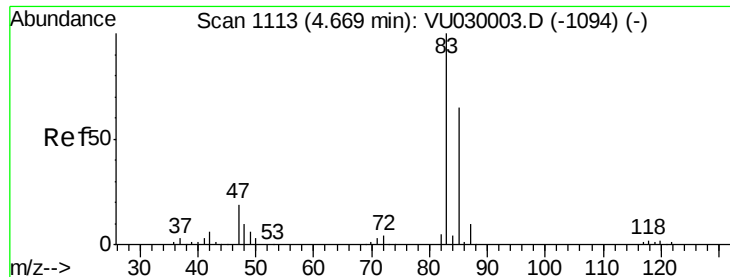


#26

Bromochloromethane
Concen: 1.965 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
128	100		
49	133.0	0.0	270.4
130	131.3	102.6	153.8





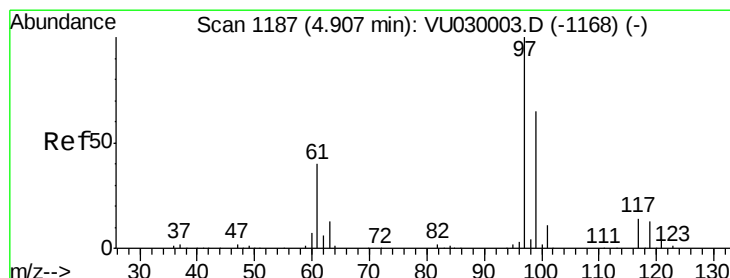
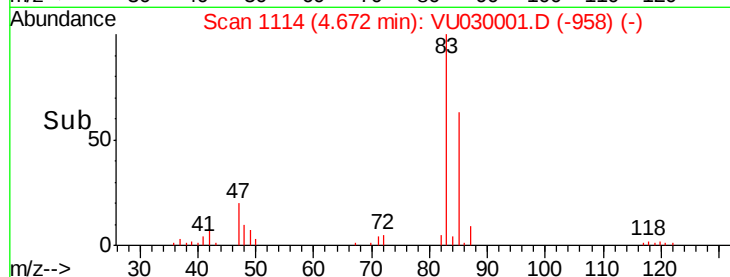
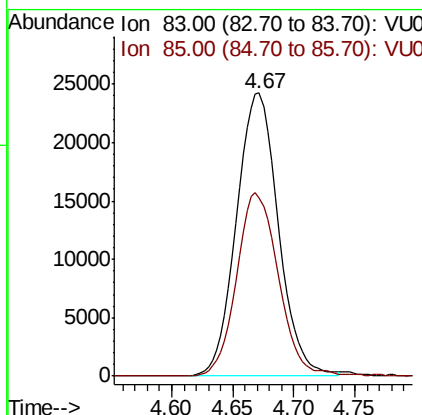
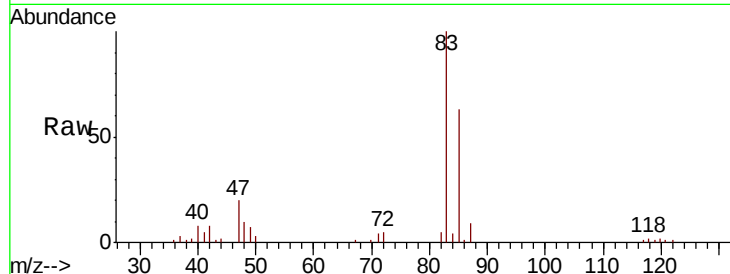
#27
Chloroform
Concen: 1.841 ug/l
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Instrument :
MSVOA_U
ClientSampled :
VSTDIC002

Tgt Ion: 83 Resp: 57765
Ion Ratio Lower Upper
83 100
85 63.1 0.0 129.0

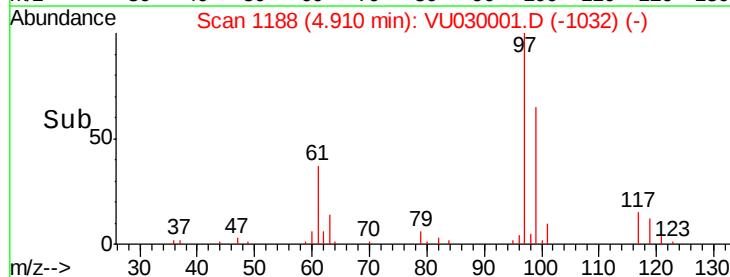
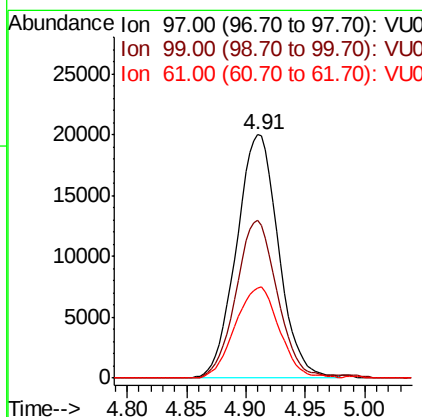
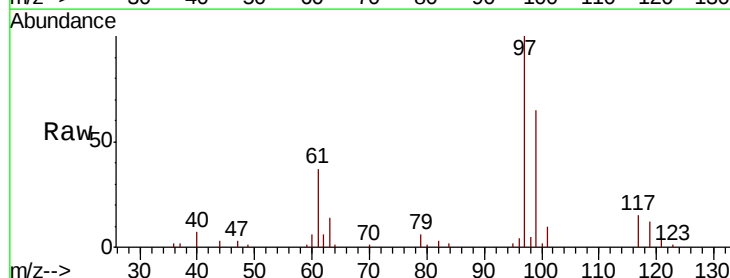
Manual Integrations
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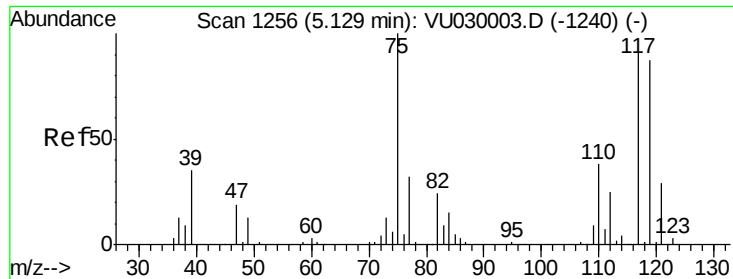
MMDadoda
3/13/2019 12:55:29 PM



#28
1,1,1-Trichloroethane
Concen: 1.899 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion: 97 Resp: 49025
Ion Ratio Lower Upper
97 100
99 63.6 32.4 97.0
61 39.3 20.4 61.2





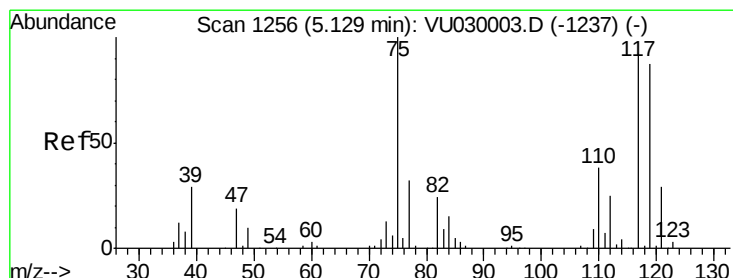
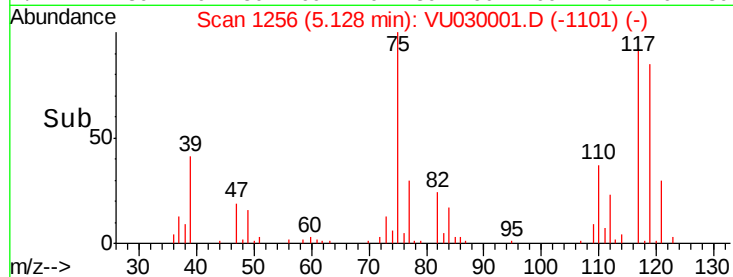
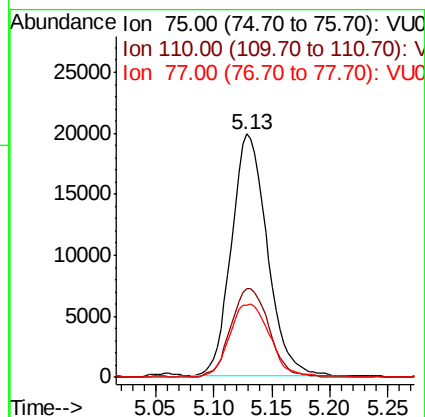
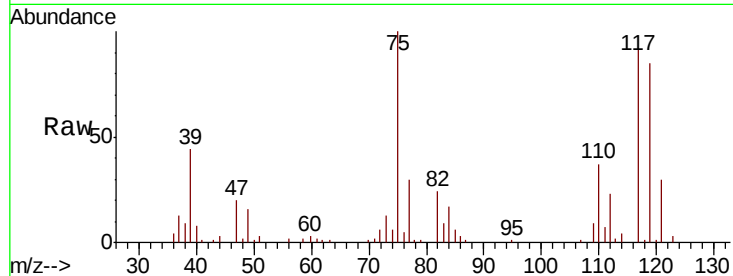
#29
 1,1-Dichloropropene
 Concen: 1.807 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC002

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.3	19.1	57.3
77	34.3	25.2	37.8

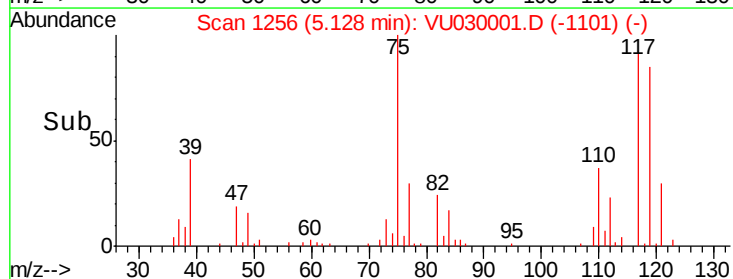
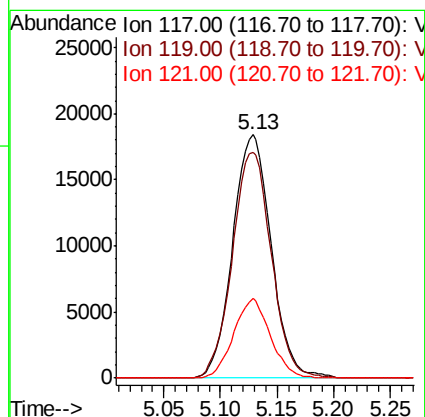
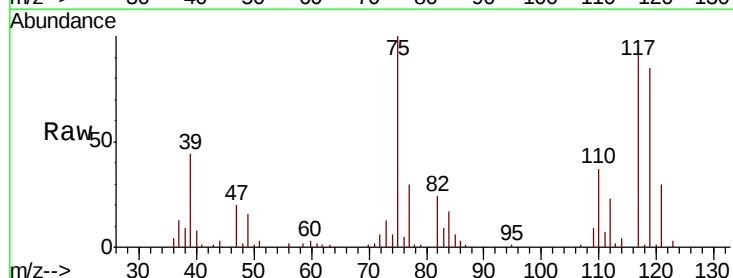
Manual Integrations
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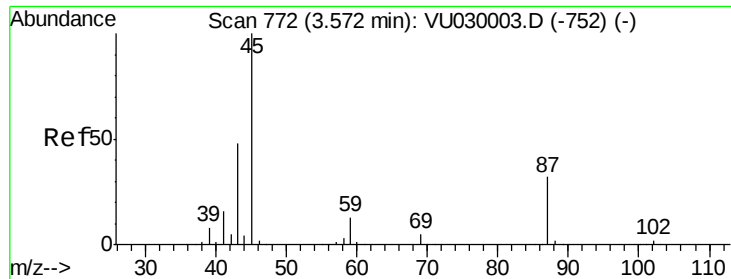
MMDadoda
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#30
 Carbon Tetrachloride
 Concen: 1.890 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	76.3	114.5
121	32.7	25.1	37.7





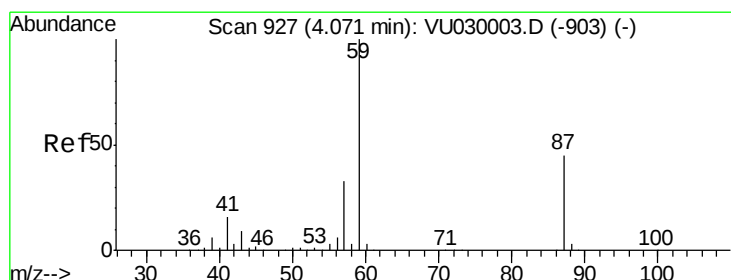
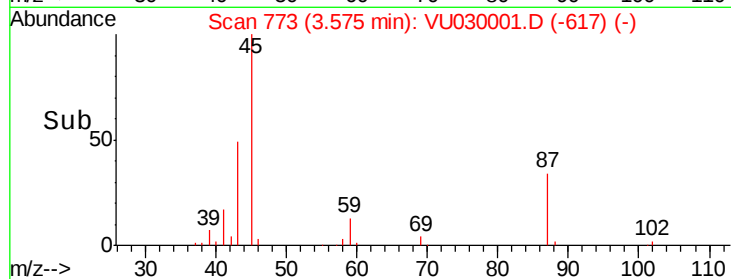
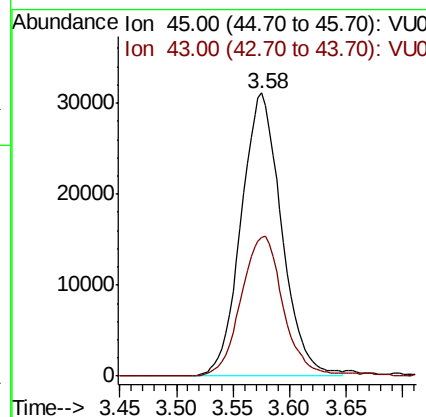
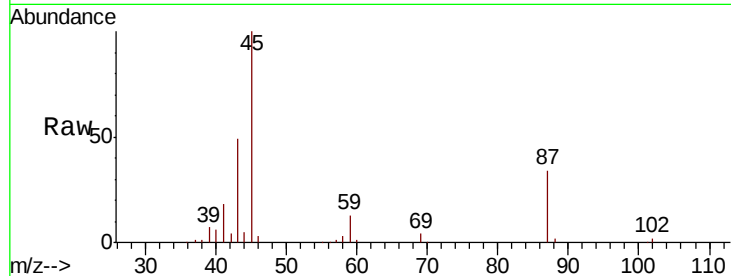
#31
Isopropyl Ether
Concen: 1.844 ug/l
RT: 3.58 min Scan# 773
Delta R.T. 0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion: 45 Resp: 77411
Ion Ratio Lower Upper
45 100
43 51.1 24.5 73.5

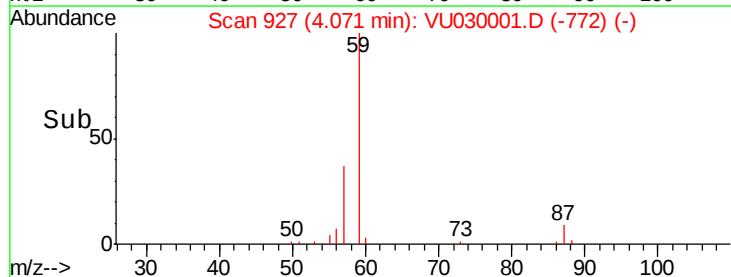
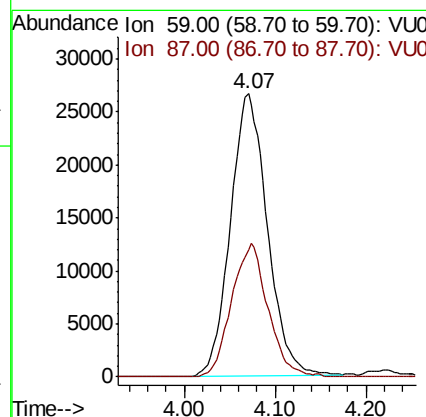
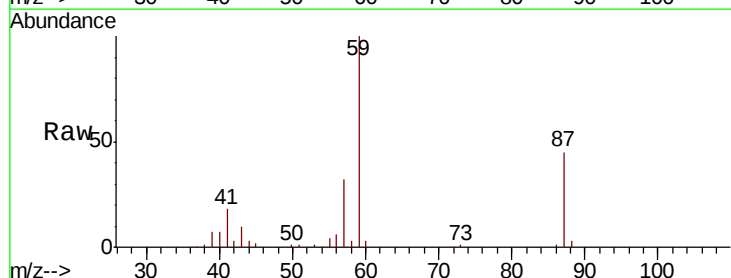
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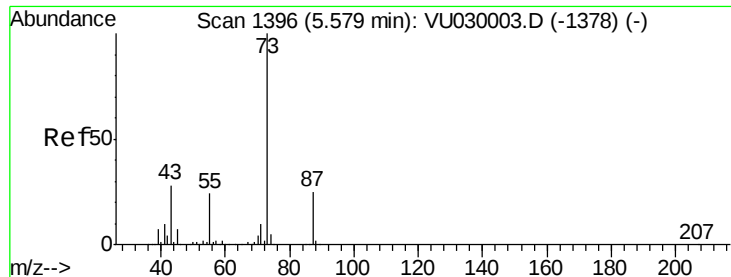
MMDadoda
3/13/2019 12:55:29 PM



#32
Ethyl-t-butyl ether
Concen: 1.852 ug/l
RT: 4.07 min Scan# 927
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion: 59 Resp: 74890
Ion Ratio Lower Upper
59 100
87 45.2 36.2 54.4





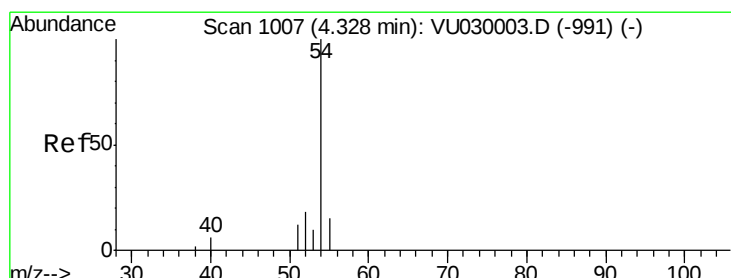
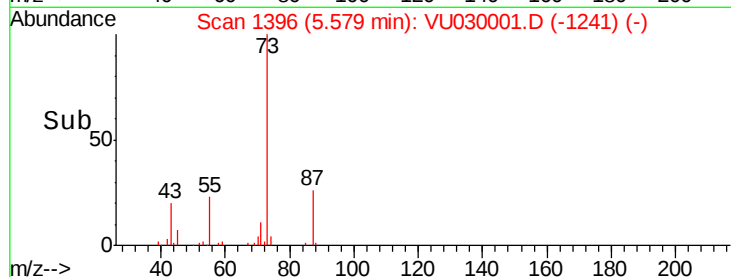
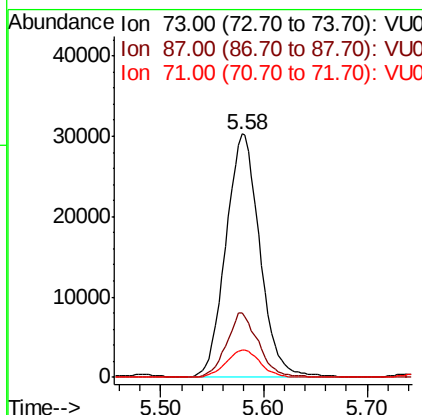
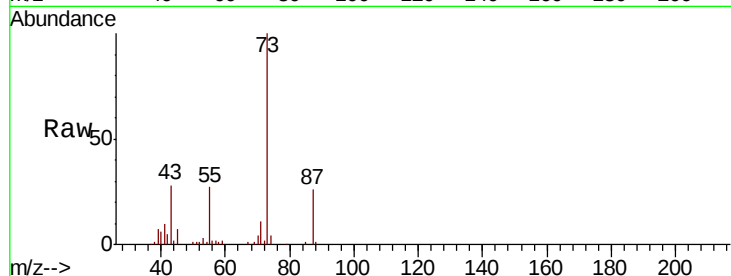
#33
Tert-Amyl methyl ether
Concen: 1.879 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
73	100		
87	24.8	19.7	29.5
71	11.3	8.6	13.0

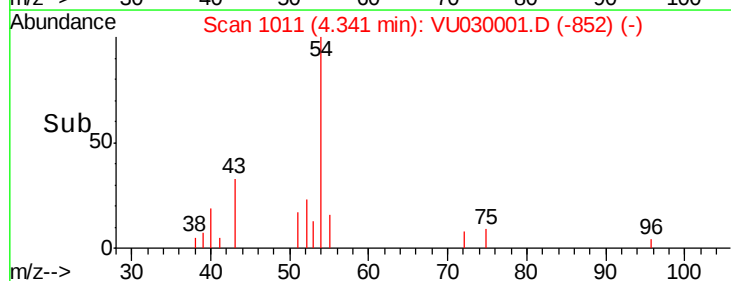
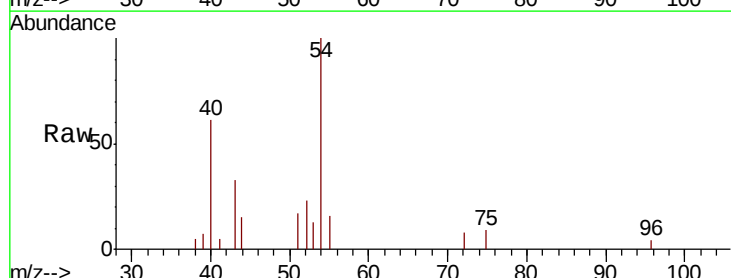
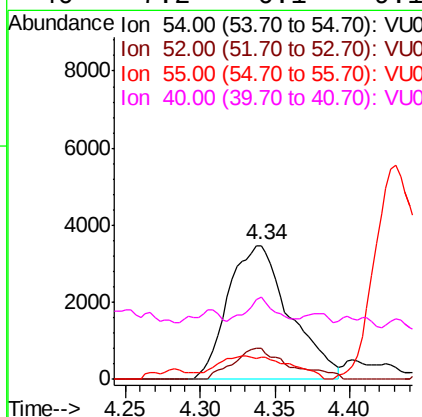
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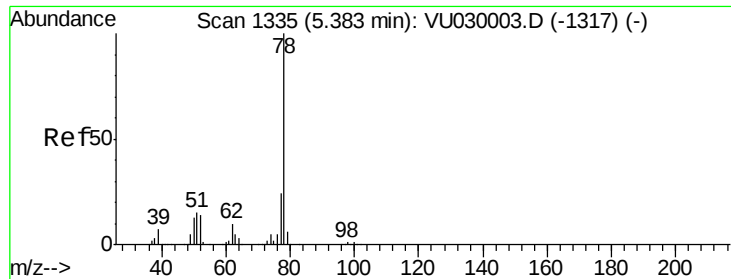
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#34
Propionitrile
Concen: 8.759 ug/l
RT: 4.34 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.8	15.8	23.6
55	19.9	12.5	18.7#
40	7.2	6.1	9.1





#35

Benzene

Concen: 1.909 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 78 Resp: 131289

Ion Ratio Lower Upper

78 100

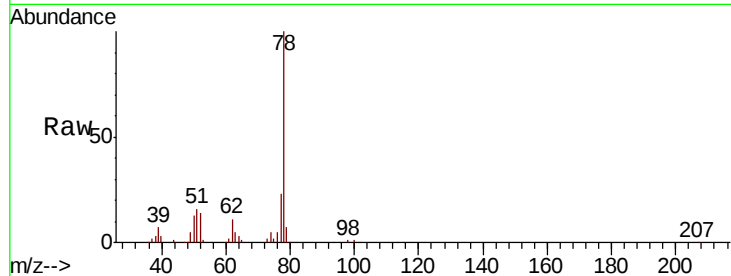
77 23.2 18.9 28.3

Manual Integrations

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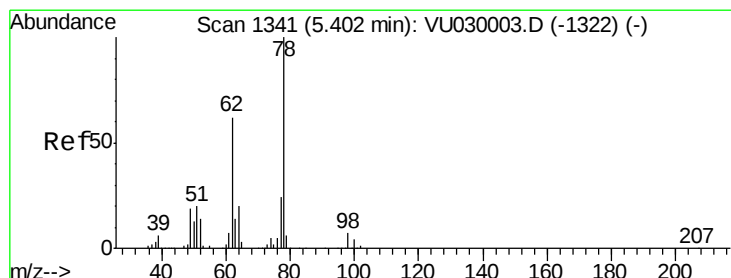
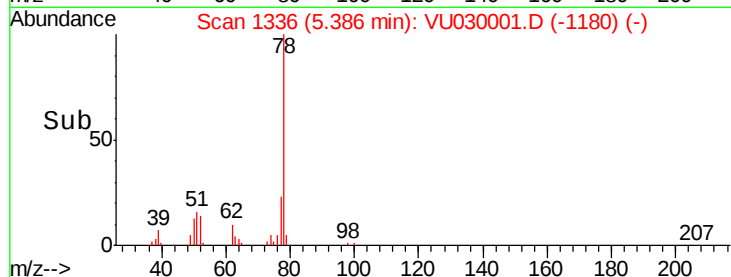
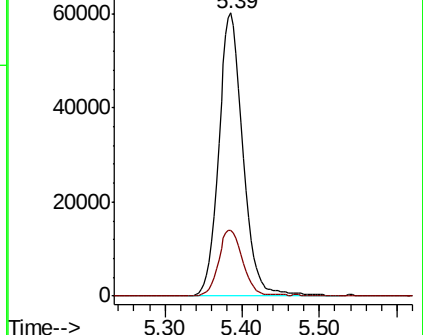
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Abundance Ion 78.10 (77.80 to 78.80): VU030003.D (-1317) (-)

Ion 77.00 (76.70 to 77.70): VU030003.D (-1317) (-)



#36

1,2-Dichloroethane

Concen: 1.853 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU030001.D

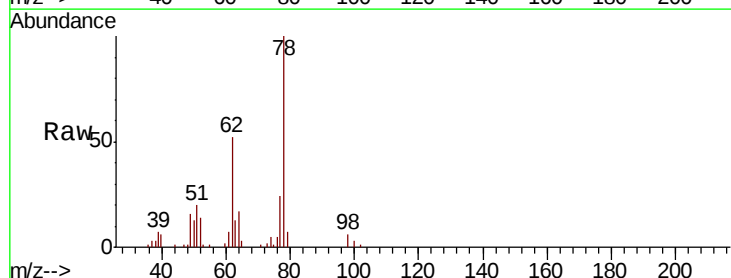
Acq: 12 Mar 2019 10:54

Tgt Ion: 62 Resp: 34067

Ion Ratio Lower Upper

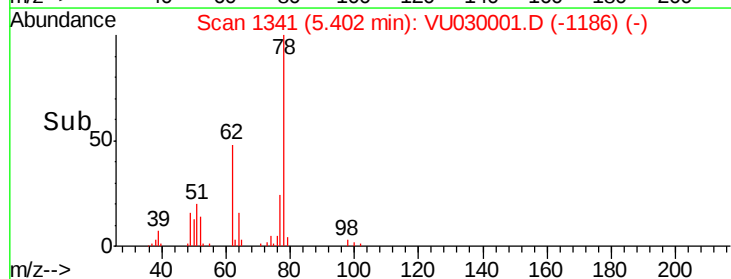
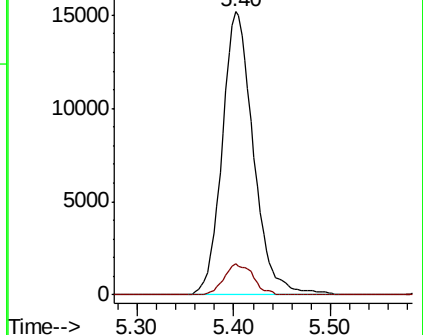
62 100

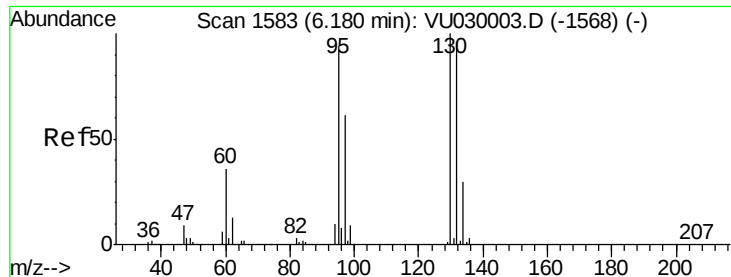
98 10.1 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VU030003.D (-1322) (-)

Ion 98.00 (97.70 to 98.70): VU030003.D (-1322) (-)





#37

Trichloroethene

Concen: 1.913 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion:130 Resp: 37887

Ion Ratio Lower Upper

130 100

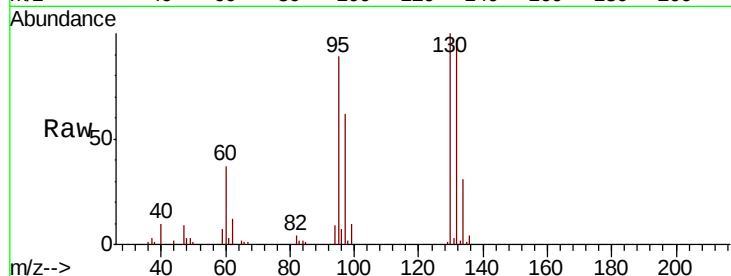
95 88.6 75.2 112.8

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Abundance Ion 129.90 (129.60 to 130.60): VU030003.D (-1568) (-)

Ion 94.90 (94.60 to 95.60): VU030003.D (-1568) (-)

6.18

20000

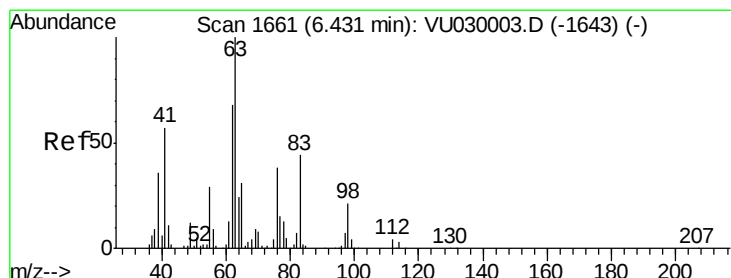
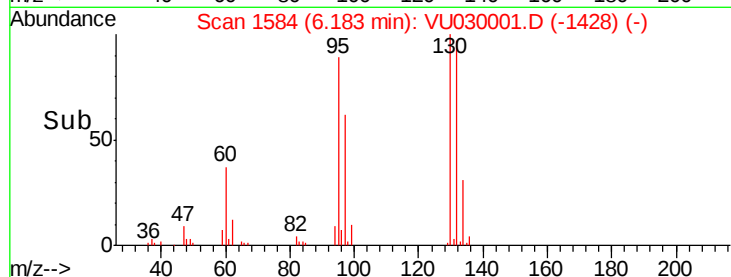
15000

10000

5000

0

Time-->



#38

1,2-Dichloropropane

Concen: 1.906 ug/l

RT: 6.43 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VU030001.D

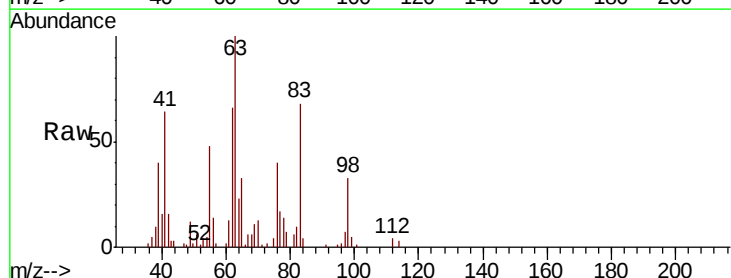
Acq: 12 Mar 2019 10:54

Tgt Ion: 63 Resp: 33331

Ion Ratio Lower Upper

63 100

65 32.8 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VU030003.D (-1643) (-)

Ion 65.00 (64.70 to 65.70): VU030003.D (-1643) (-)

6.43

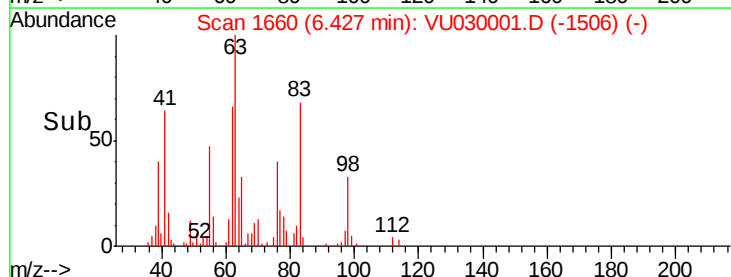
15000

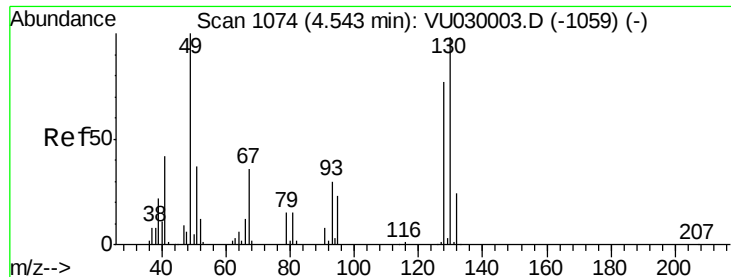
10000

5000

0

Time-->





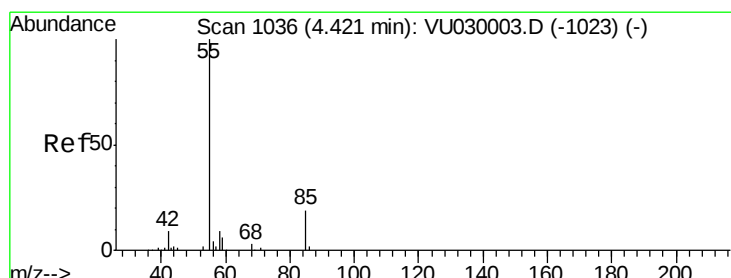
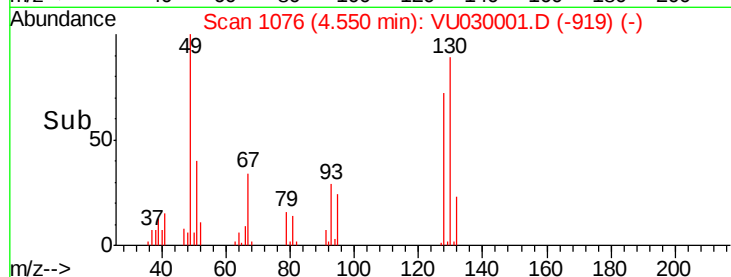
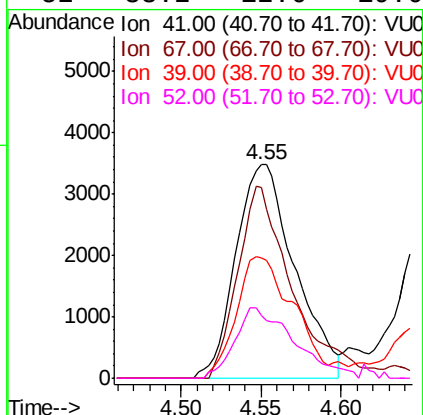
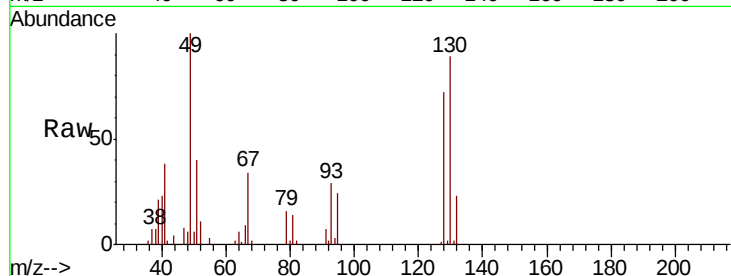
#39
Methacrylonitrile
Concen: 1.815 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Instrument :
MSVOA_U
ClientSampled :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
41	100		
67	83.3	71.4	107.0
39	54.6	41.9	62.9
52	33.2	12.6	19.0

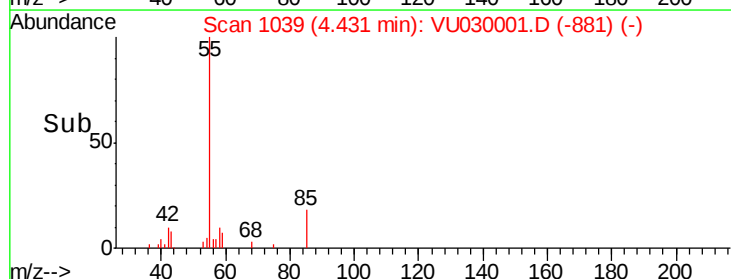
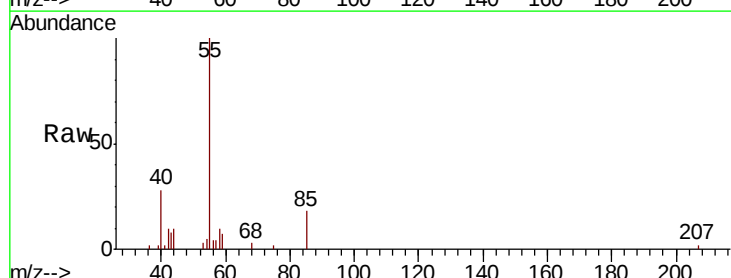
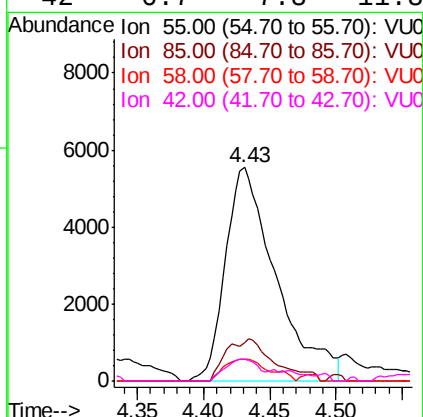
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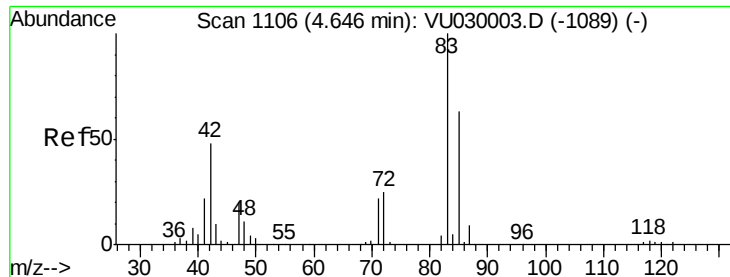
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#40
Methyl acrylate
Concen: 1.923 ug/l
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
55	100		
85	18.6	16.2	24.2
58	9.0	7.0	10.6
42	6.7	7.8	11.8





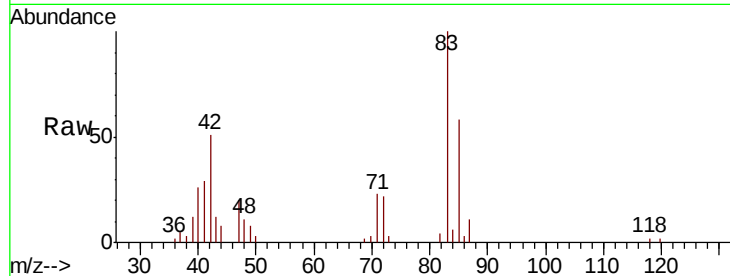
#41
Tetrahydrofuran
Concen: 3.612 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.9	44.9	67.3
71	46.3	37.8	56.8

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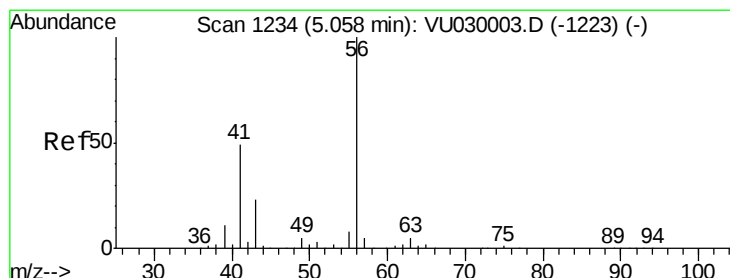
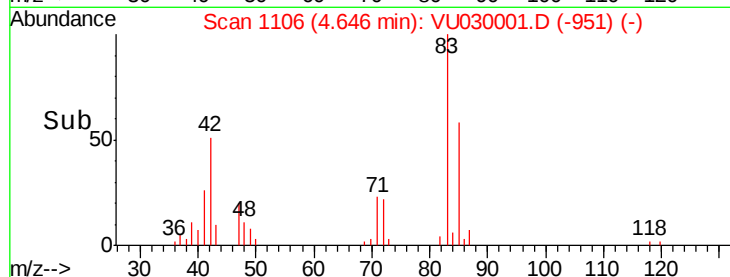
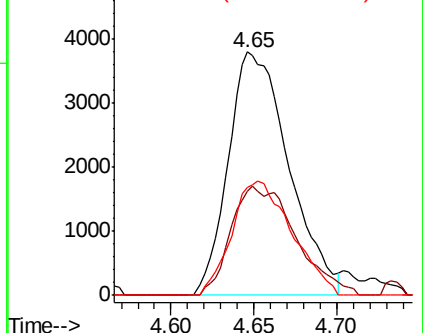


Abundance

Ion 42.00 (41.70 to 42.70): VU0

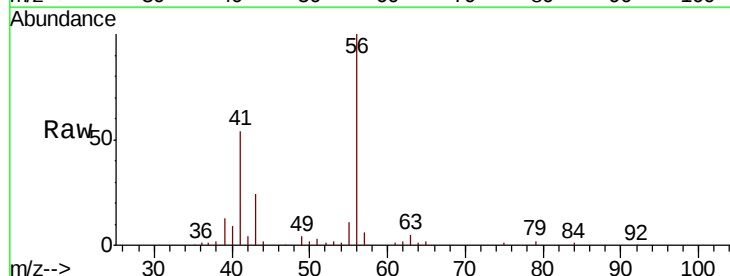
Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#42
1-Chlorobutane
Concen: 1.874 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

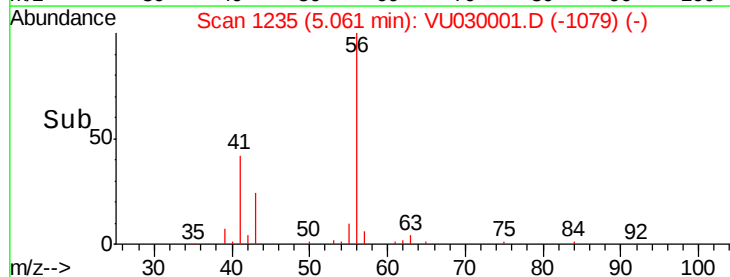
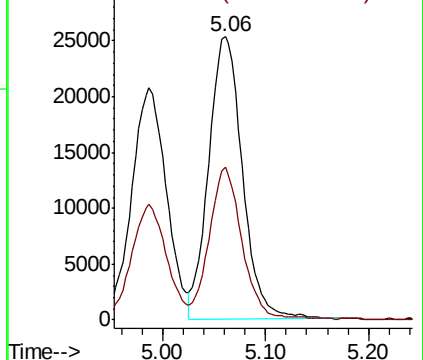
Tgt Ion	Ratio	Lower	Upper
56	100		
41	50.4	24.7	74.1

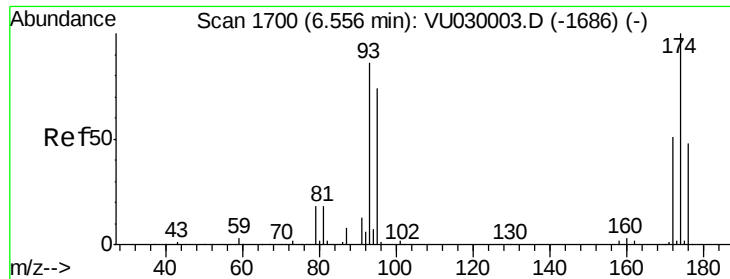


Abundance

Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





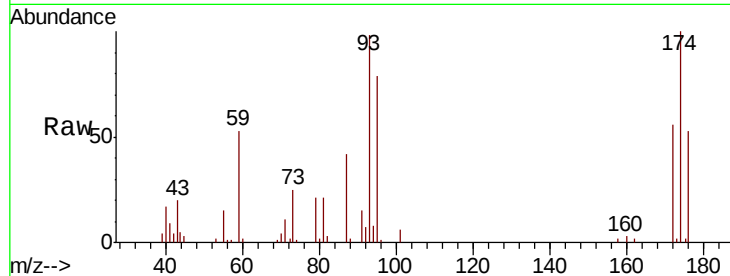
#43
 Dibromomethane
 Concen: 1.913 ug/l
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.3	68.6	102.8
174	109.1	91.8	137.8

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MMDadoda
 3/13/2019 12:55:29 PM

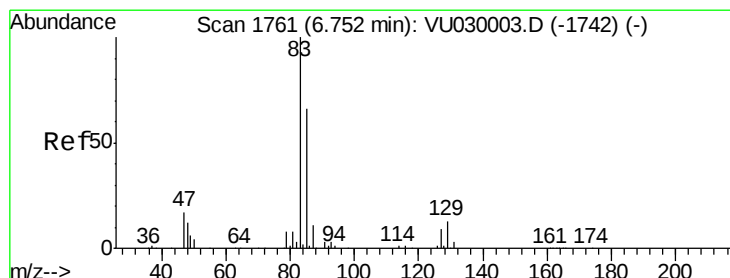
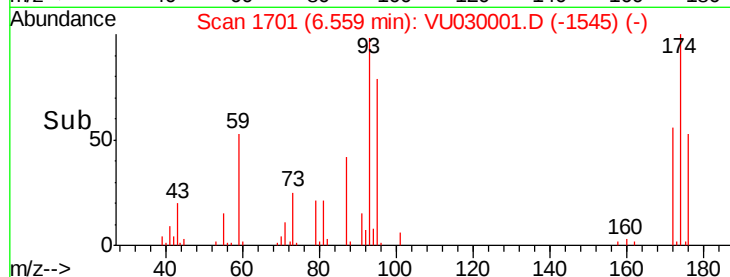
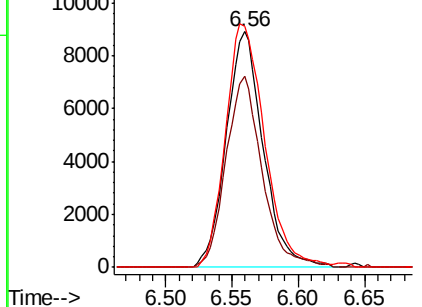


Abundance

Ion 93.00 (92.70 to 93.70): VU030003.D (-1686) (-)

Ion 95.00 (94.70 to 95.70): VU030003.D (-1686) (-)

Ion 174.00 (173.70 to 174.70): VU030003.D (-1686) (-)



#44
 Bromodichloromethane
 Concen: 1.887 ug/l
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

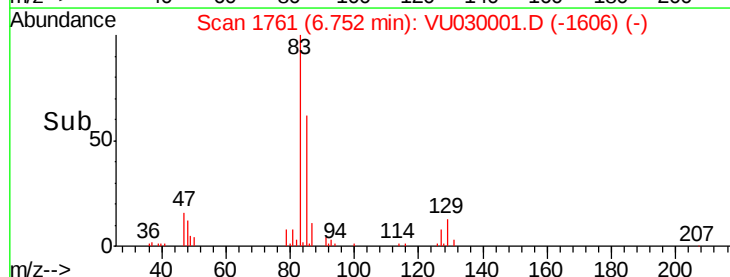
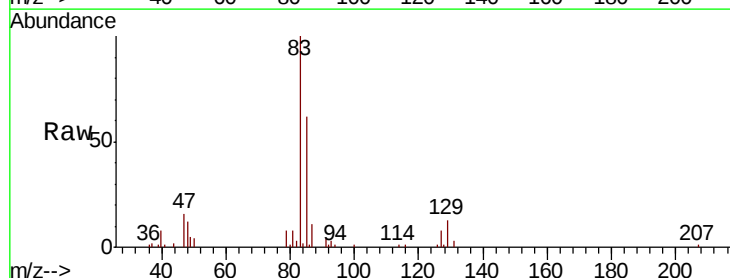
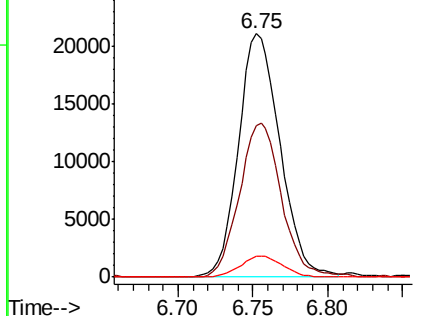
Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	53.2	79.8
127	9.3	7.4	11.0

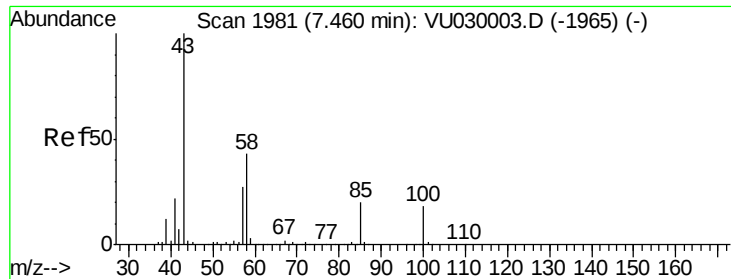
Abundance

Ion 83.00 (82.70 to 83.70): VU030003.D (-1742) (-)

Ion 85.00 (84.70 to 85.70): VU030003.D (-1742) (-)

Ion 127.00 (126.70 to 127.70): VU030003.D (-1742) (-)





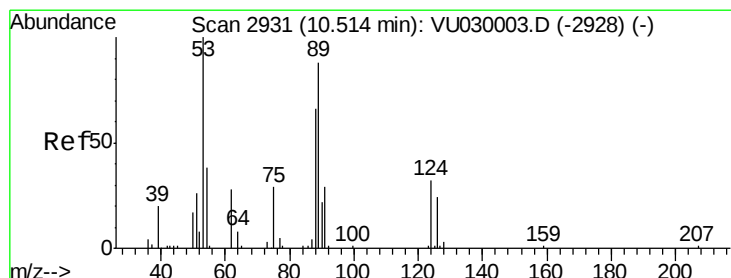
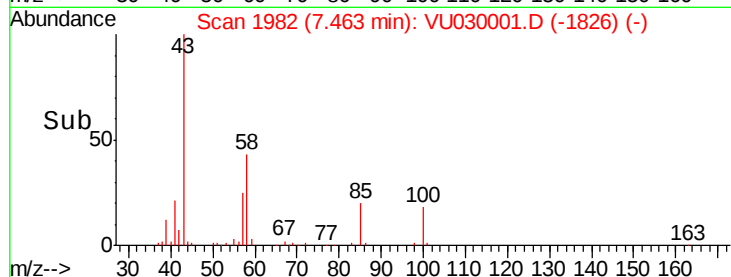
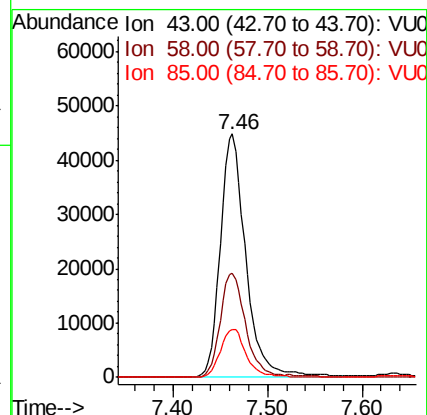
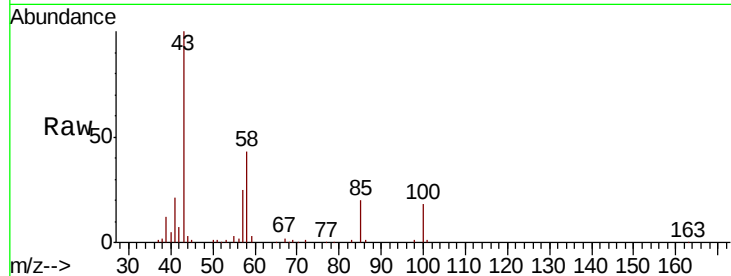
#45
4-Methyl-2-Pentanone
Concen: 9.433 ug/l
RT: 7.46 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.9	21.6	64.6
85	19.9	16.3	24.5

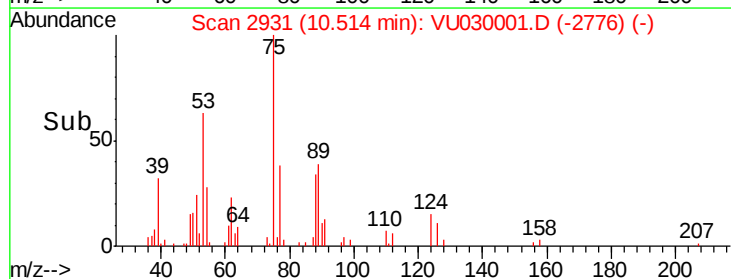
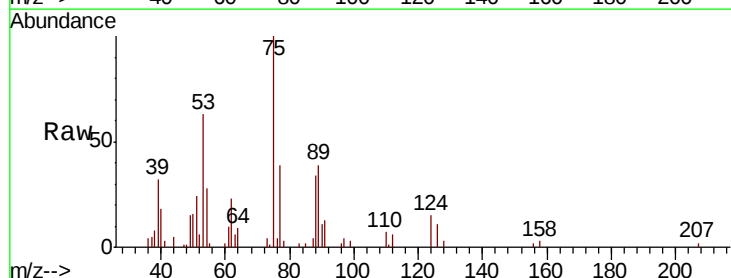
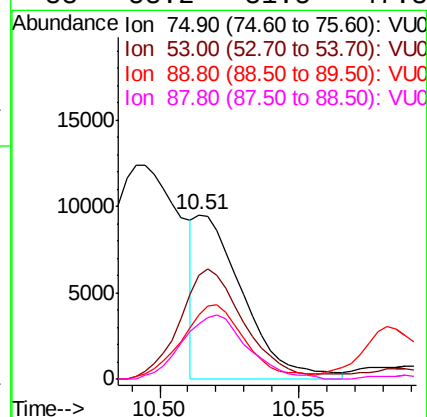
Manual Integrations
APPROVED

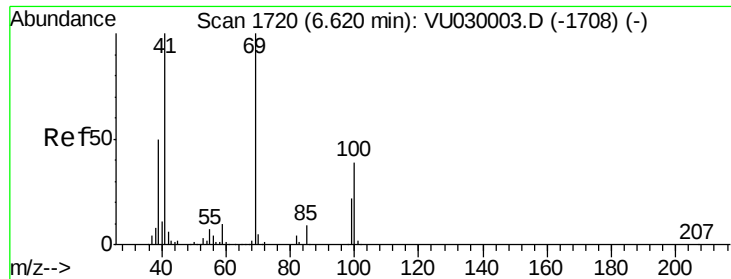
MMDadoda
3/13/2019 12:55:29 PM



#46
t-1,4-Dichloro-2-butene
Concen: 3.251 ug/l m
RT: 10.51 min Scan# 2931
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
75	100		
53	90.9	57.0	85.6#
89	60.5	43.6	65.4
88	53.2	31.5	47.3#





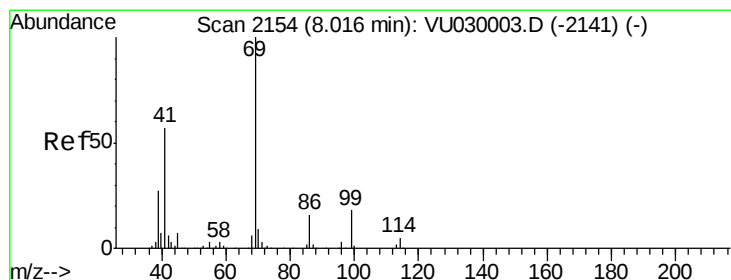
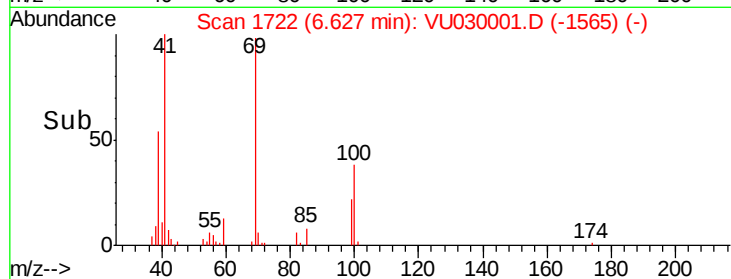
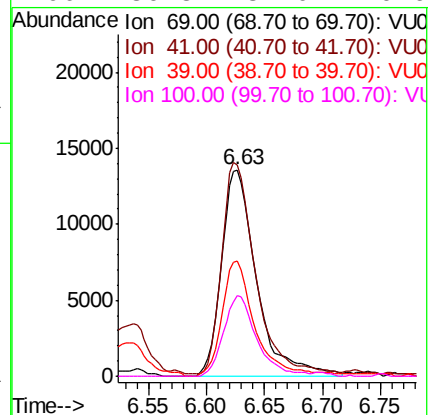
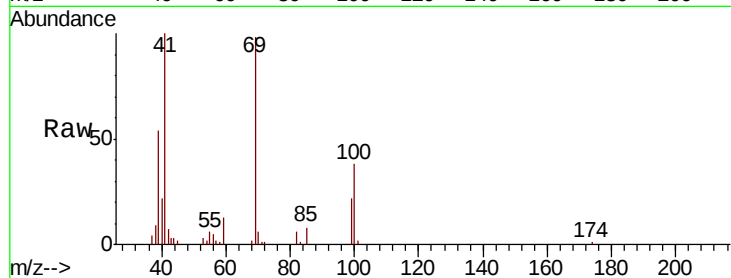
#47
Methyl methacrylate
Concen: 3.785 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.01 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
69	100		
41	97.9	0.0	197.8
39	51.6	40.2	60.4
100	36.8	31.0	46.6

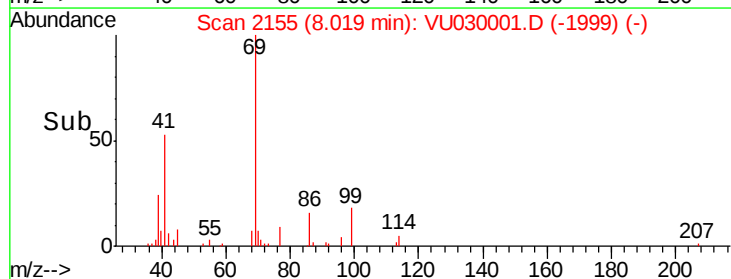
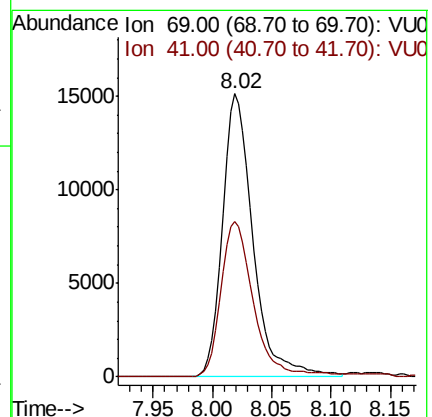
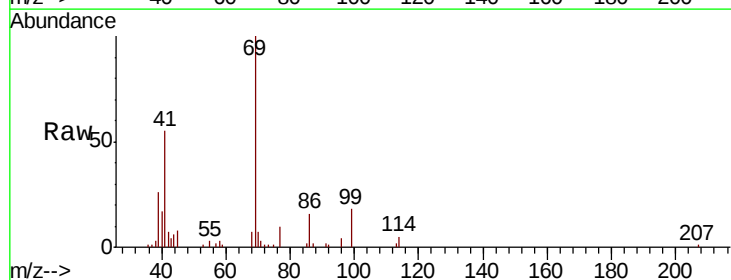
Manual Integrations
APPROVED

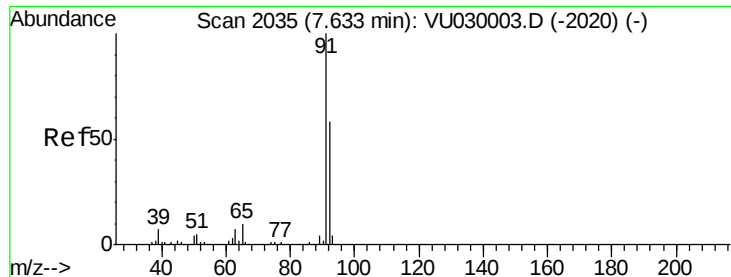
MMDadoda
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#48
Ethyl methacrylate
Concen: 1.887 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
69	100		
41	57.6	28.1	84.4





#49

Toluene

Concen: 1.922 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 92 Resp: 79650

Ion Ratio Lower Upper

92 100

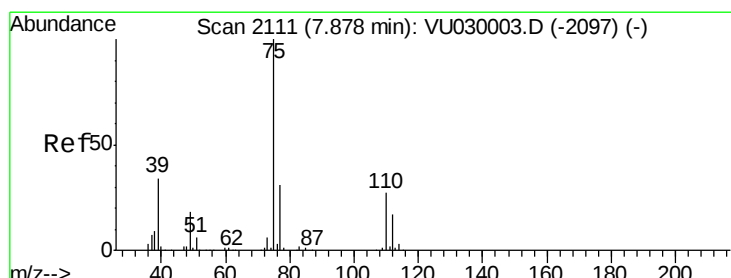
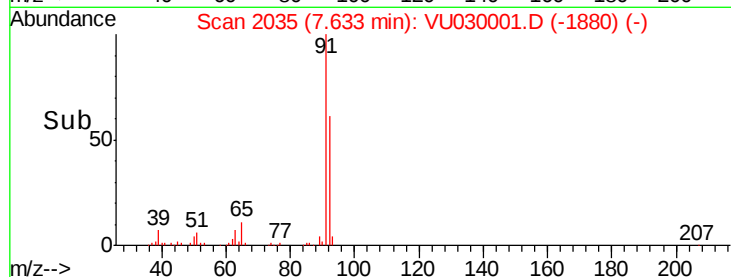
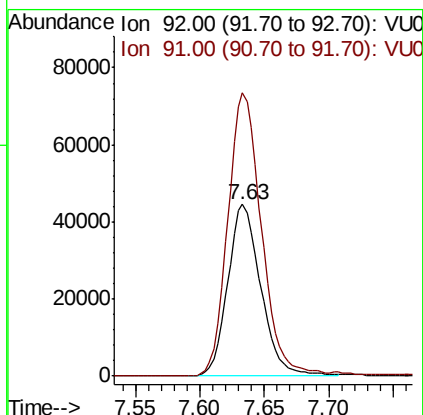
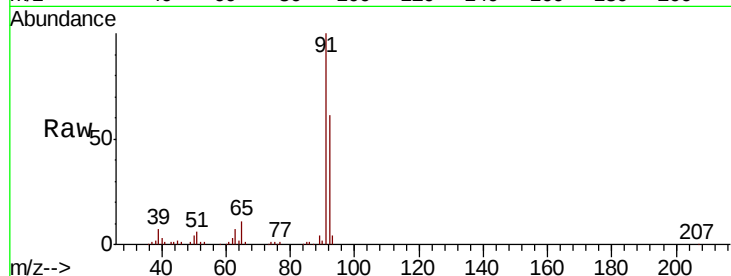
91 167.1 140.1 210.1

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 1.884 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU030001.D

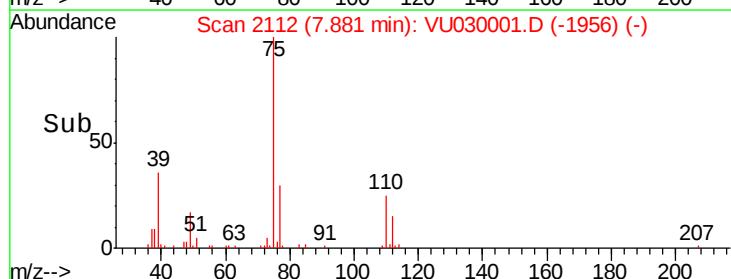
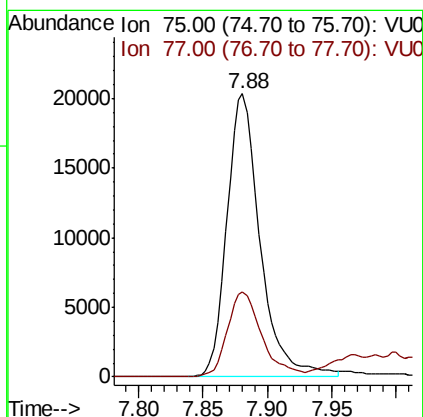
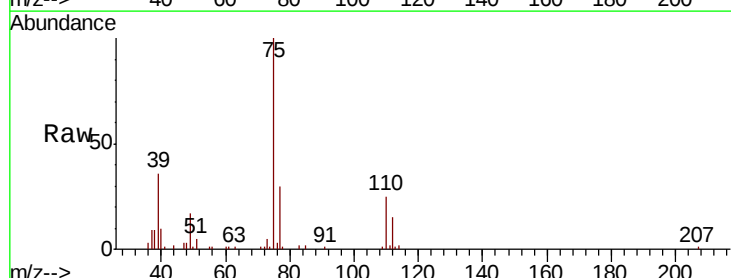
Acq: 12 Mar 2019 10:54

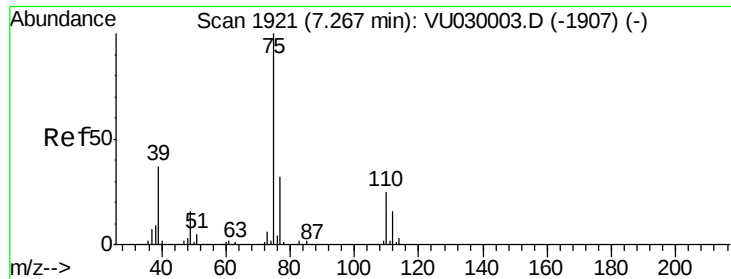
Tgt Ion: 75 Resp: 36407

Ion Ratio Lower Upper

75 100

77 30.0 25.1 37.7





#51

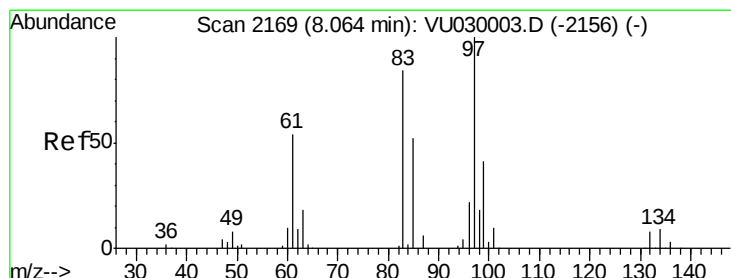
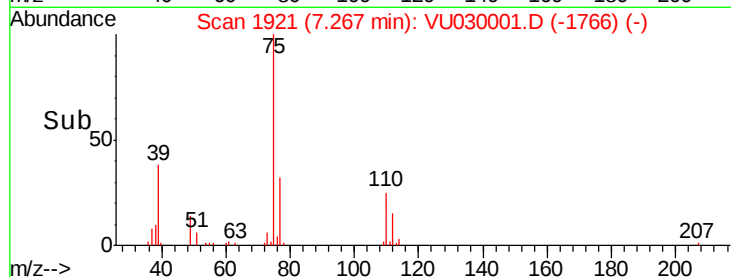
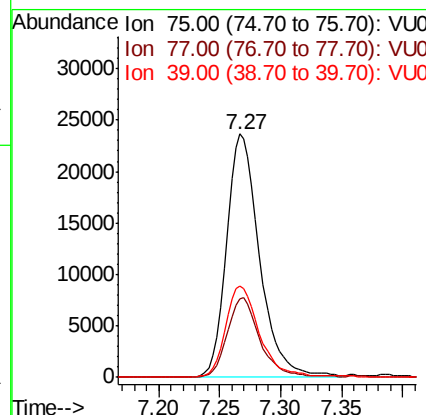
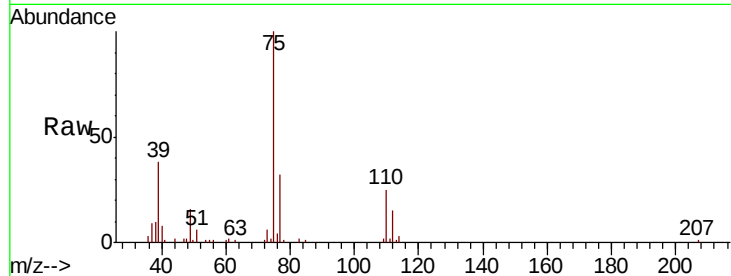
cis-1,3-Dichloropropene
Concen: 1.849 ug/l
RT: 7.27 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion:	75	Resp:	44920
Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.0	39.0
39	37.7	29.5	44.3

Manual Integrations
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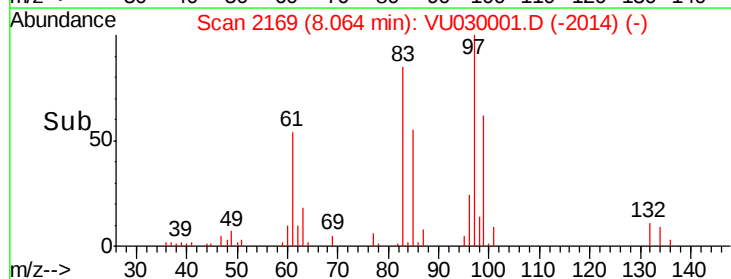
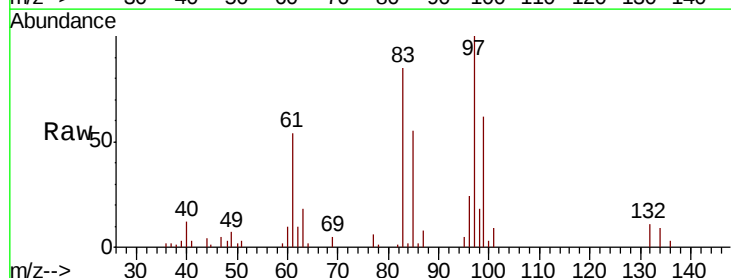
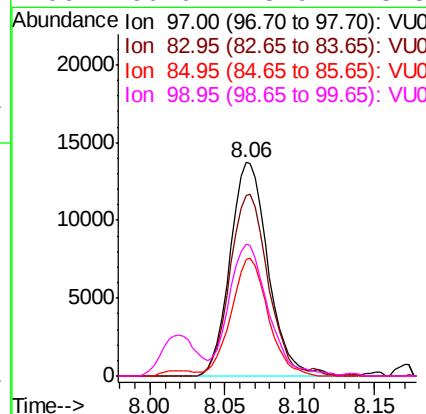
MMDadoda
3/13/2019 12:55:29 PM

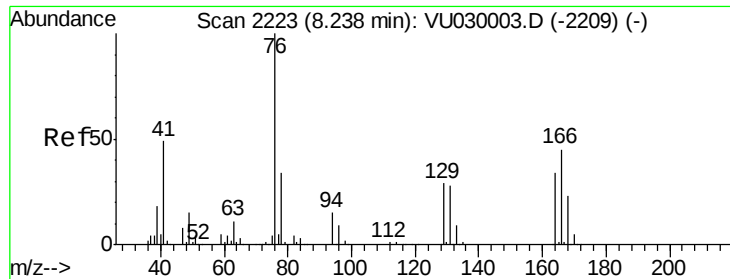


#52

1,1,2-Trichloroethane
Concen: 1.906 ug/l
RT: 8.06 min Scan# 2169
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion:	97	Resp:	24373
Ion	Ratio	Lower	Upper
97	100		
83	84.7	67.4	101.0
85	54.6	42.6	64.0
99	60.9	48.9	73.3





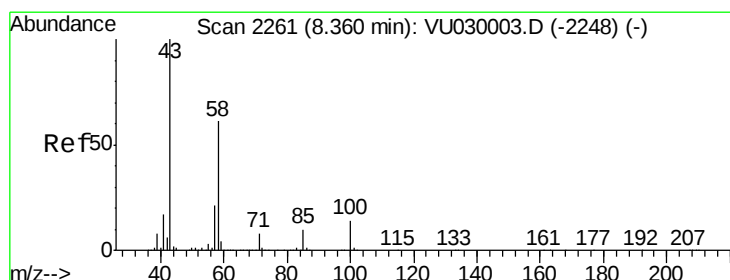
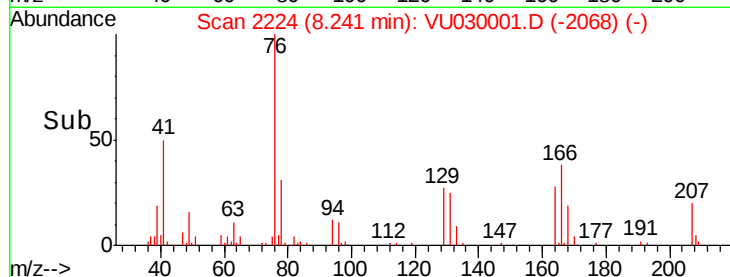
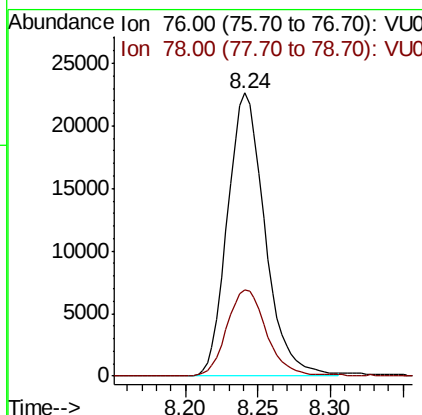
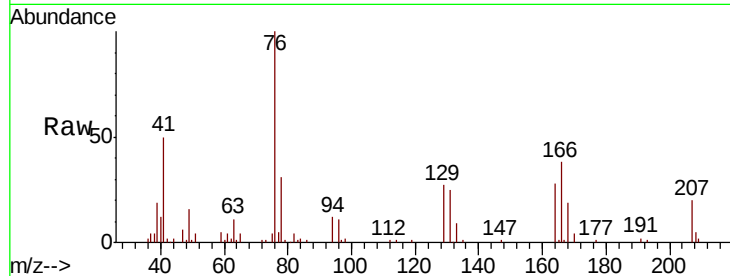
#53
 1,3-Dichloropropane
 Concen: 1.896 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC002

Tgt Ion: 76 Resp: 40551
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.4 39.6

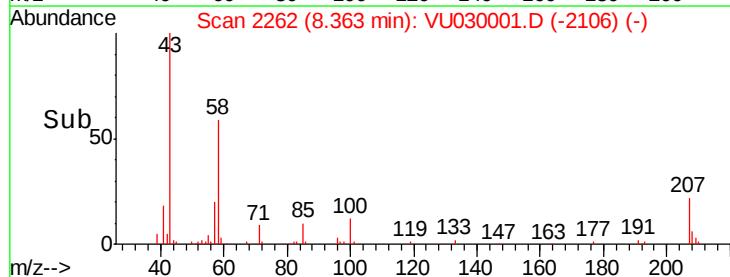
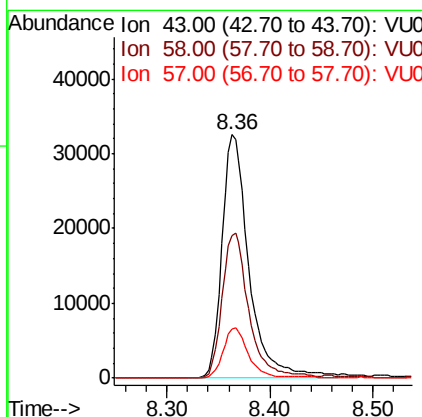
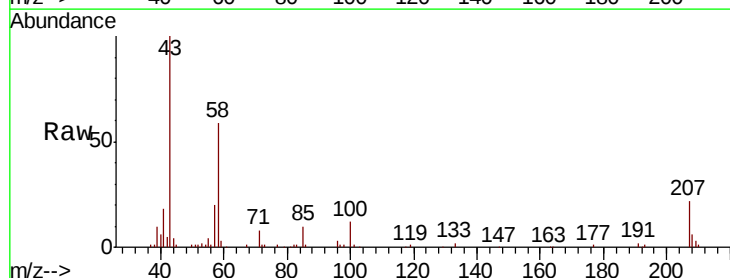
Manual Integrations
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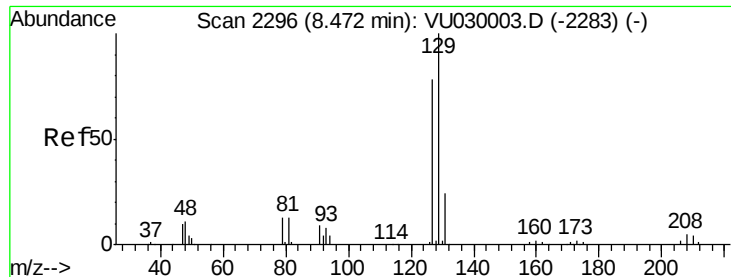
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#54
 2-Hexanone
 Concen: 9.236 ug/l
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Tgt Ion: 43 Resp: 59472
 Ion Ratio Lower Upper
 43 100
 58 58.9 40.3 80.3
 57 19.3 0.6 40.6





#55

Dibromochloromethane

Concen: 1.832 ug/l

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion:129 Resp: 28183

Ion Ratio Lower Upper

129 100

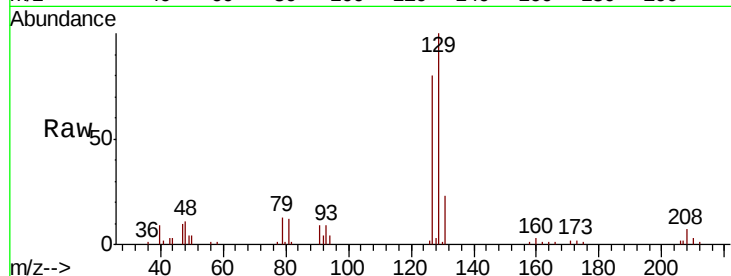
127 77.6 62.4 93.6

Manual Integrations

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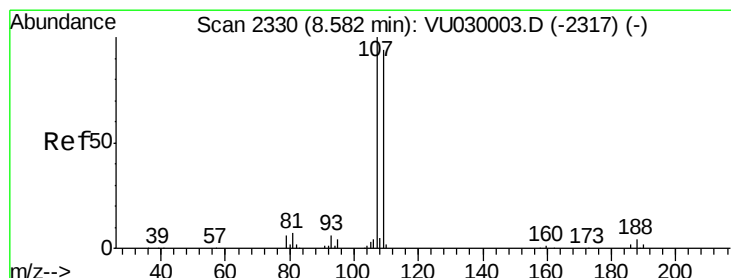
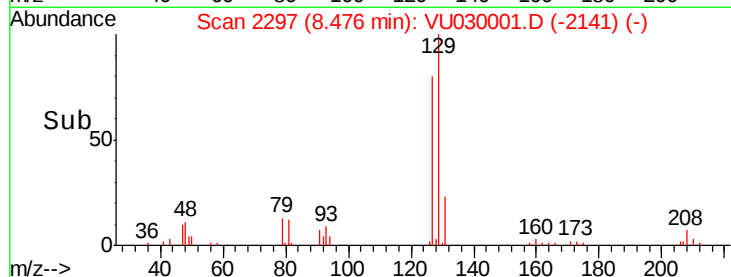
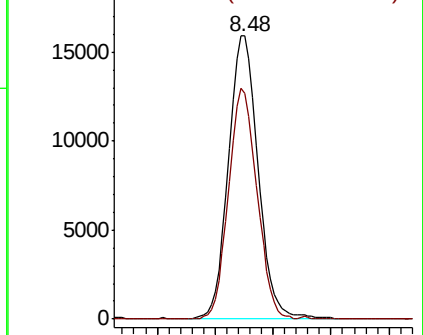
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 1.868 ug/l

RT: 8.58 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU030001.D

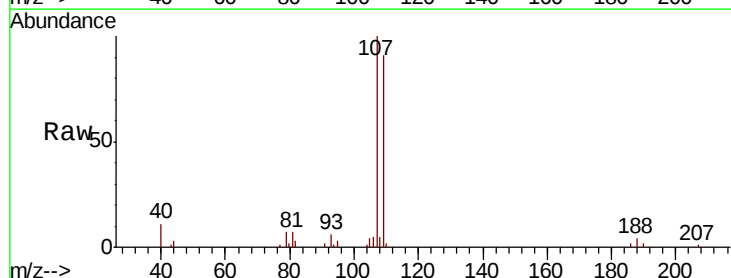
Acq: 12 Mar 2019 10:54

Tgt Ion:107 Resp: 22994

Ion Ratio Lower Upper

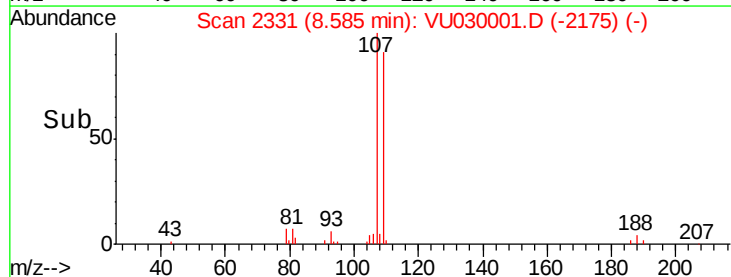
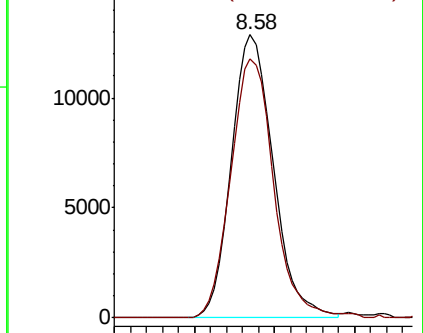
107 100

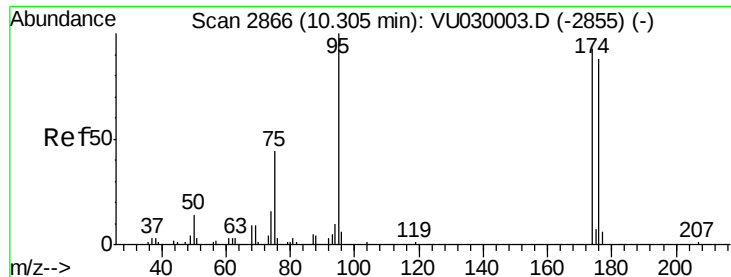
109 94.0 0.0 186.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 1.868 ug/l

RT: 10.31 min Scan# 2867

Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 95 Resp: 21806

Ion Ratio Lower Upper

95 100

174 92.6 78.1 117.1

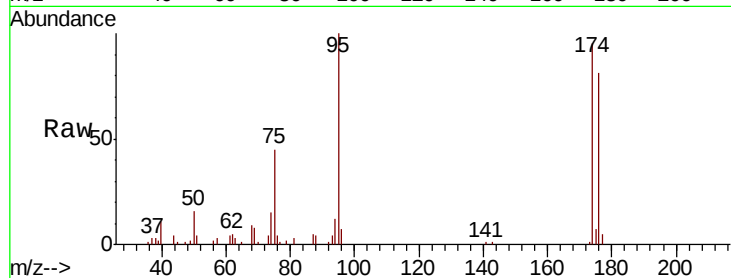
176 84.9 70.8 106.2

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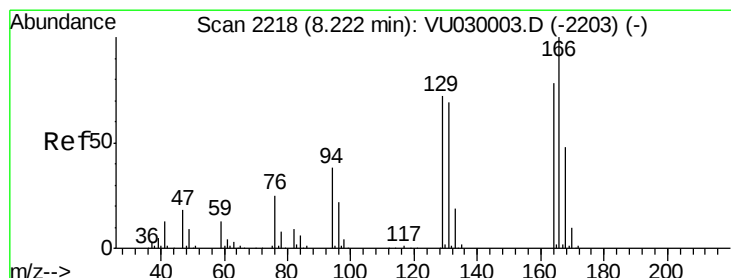
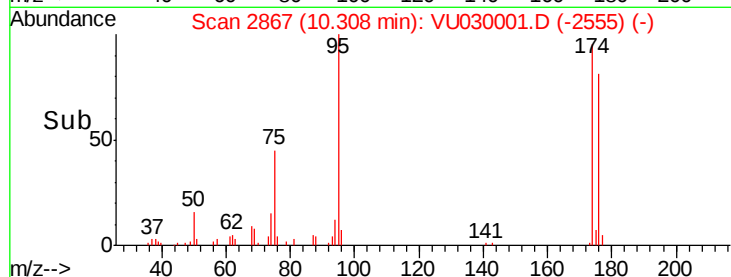
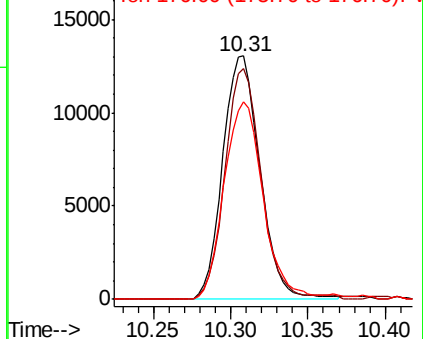


Abundance

Ion 95.00 (94.70 to 95.70): VU030003.D (-2855) (-)

Ion 174.00 (173.70 to 174.70): VU030003.D (-2855) (-)

Ion 176.00 (175.70 to 176.70): VU030003.D (-2855) (-)



#58

Tetrachloroethene

Concen: 1.917 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Tgt Ion: 164 Resp: 34482

Ion Ratio Lower Upper

164 100

166 126.8 103.2 154.8

129 89.5 74.5 111.7

131 89.6 70.9 106.3

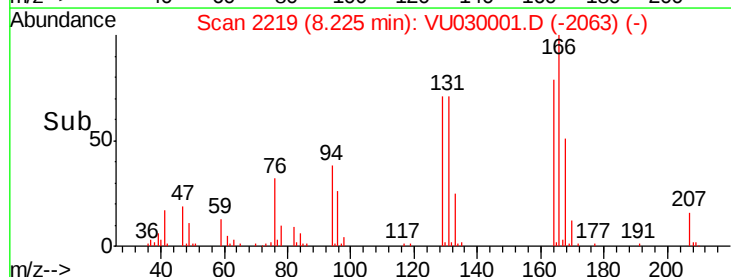
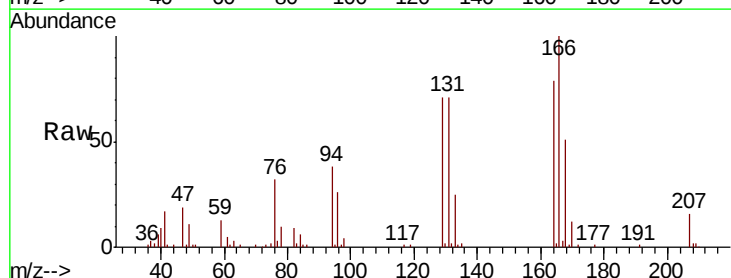
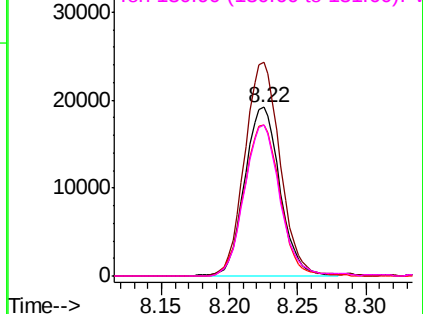
Abundance

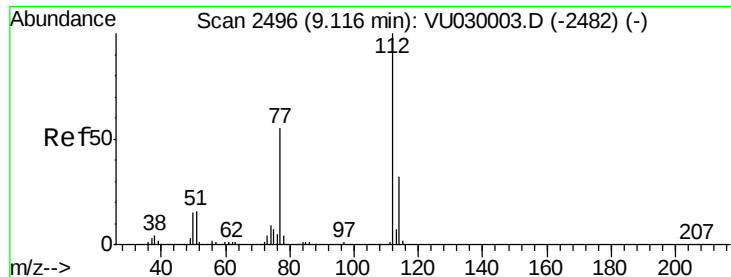
Ion 163.85 (163.55 to 164.55): VU030003.D (-2203) (-)

Ion 165.80 (165.50 to 166.50): VU030003.D (-2203) (-)

Ion 128.90 (128.60 to 129.60): VU030003.D (-2203) (-)

Ion 130.90 (130.60 to 131.60): VU030003.D (-2203) (-)





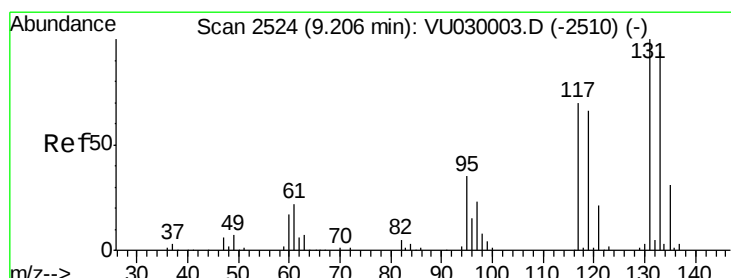
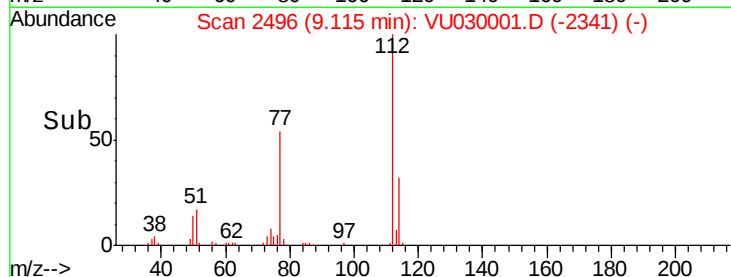
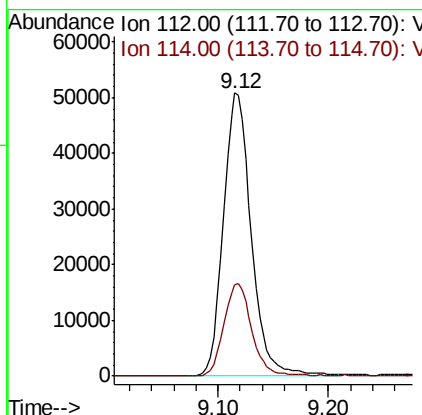
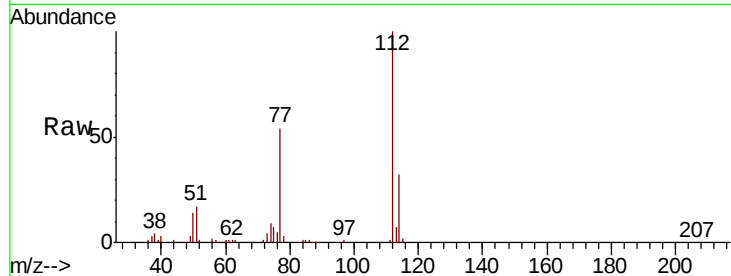
#59
Chlorobenzene
Concen: 1.884 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion:112 Resp: 89216
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4

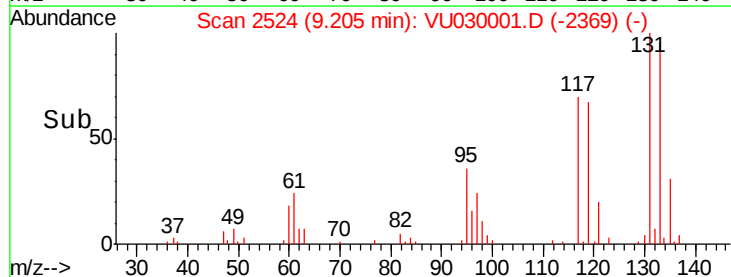
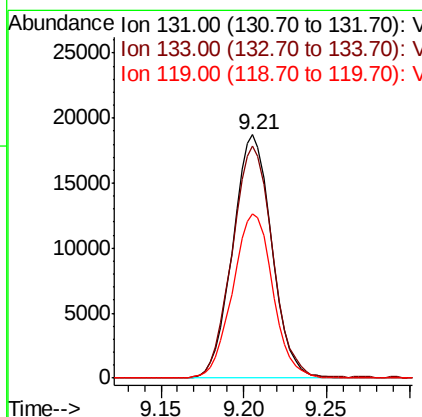
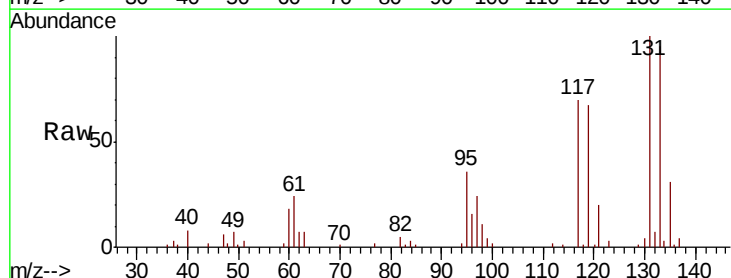
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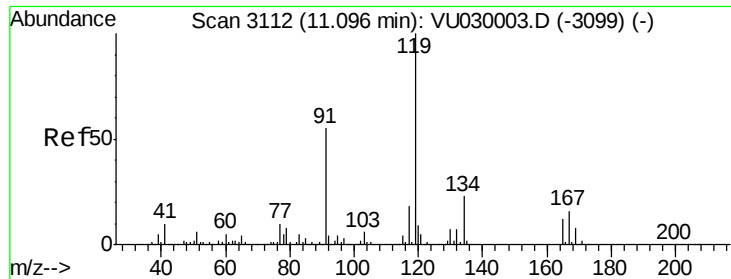
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 1.832 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion:131 Resp: 30644
Ion Ratio Lower Upper
131 100
133 98.1 75.6 113.4
119 69.1 53.3 79.9





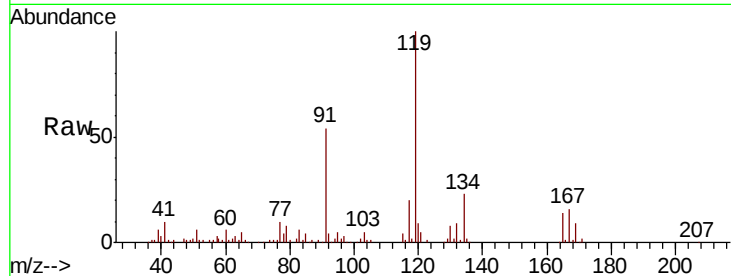
#61
 Pentachloroethane
 Concen: 1.842 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

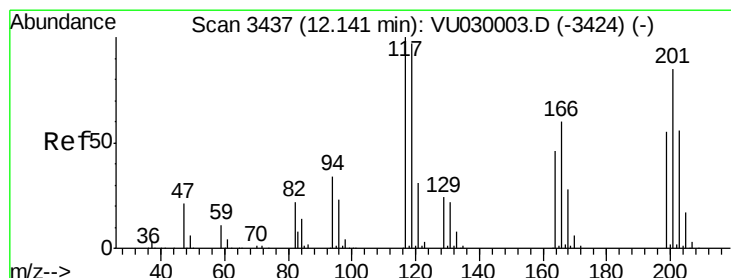
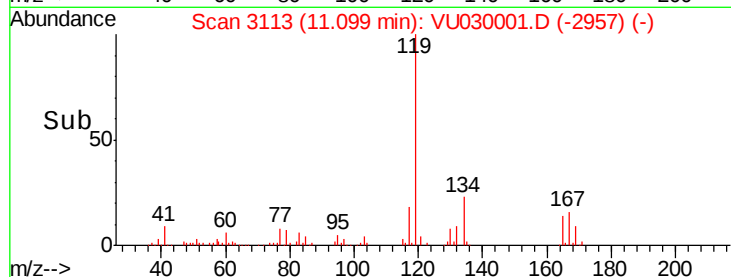
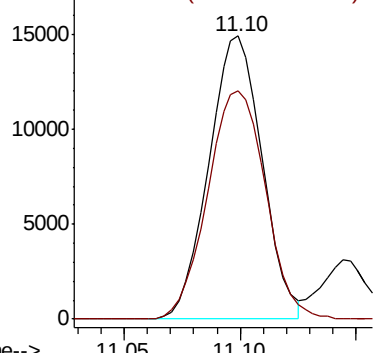
Tgt Ion:117 Resp: 23773
 Ion Ratio Lower Upper
 117 100
 167 87.7 73.1 109.7

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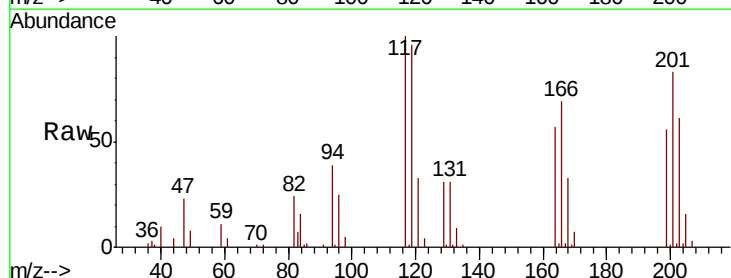


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 166.70 (166.40 to 167.40): V

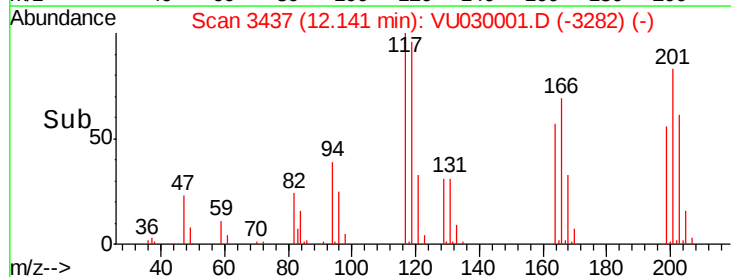
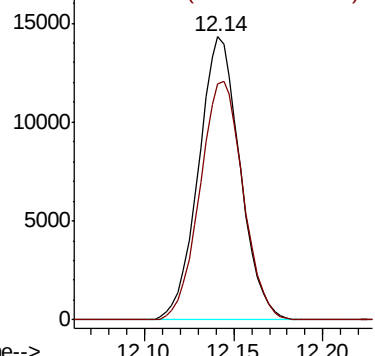


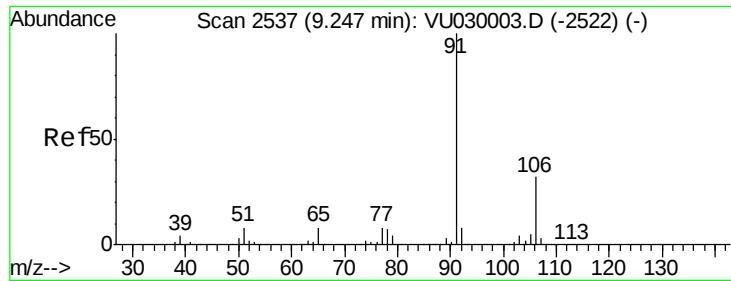
#62
 Hexachloroethane
 Concen: 1.788 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Tgt Ion:117 Resp: 23258
 Ion Ratio Lower Upper
 117 100
 201 87.4 69.5 104.3



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





#63

Ethyl Benzene

Concen: 1.868 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampled :

VSTDIC002

Tgt Ion: 91 Resp: 145244

Ion Ratio Lower Upper

91 100

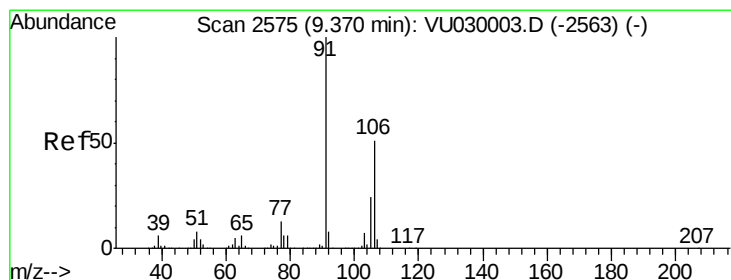
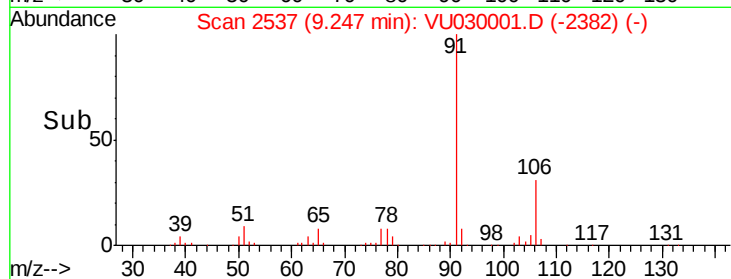
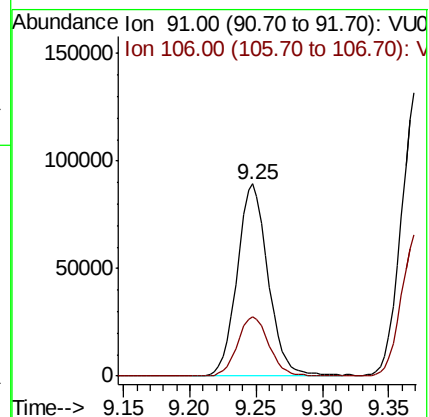
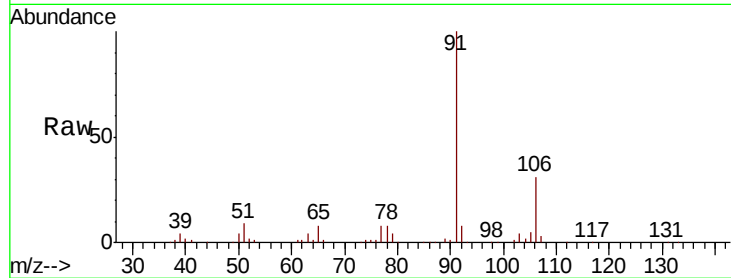
106 30.9 25.7 38.5

Manual Integrations

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#64

m/p-Xylenes

Concen: 3.704 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030001.D

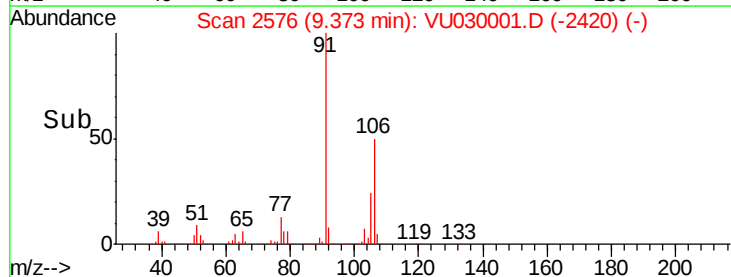
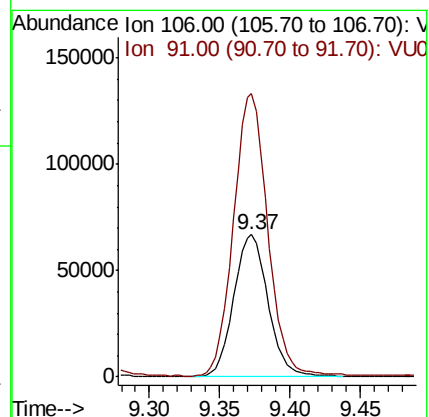
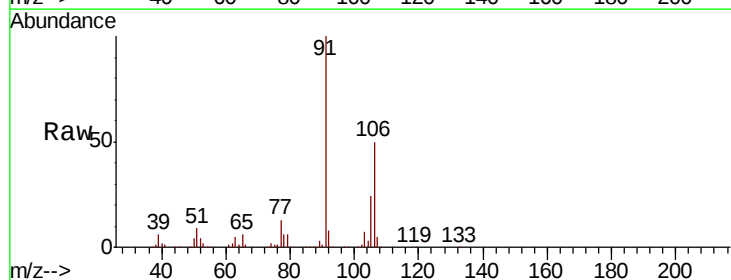
Acq: 12 Mar 2019 10:54

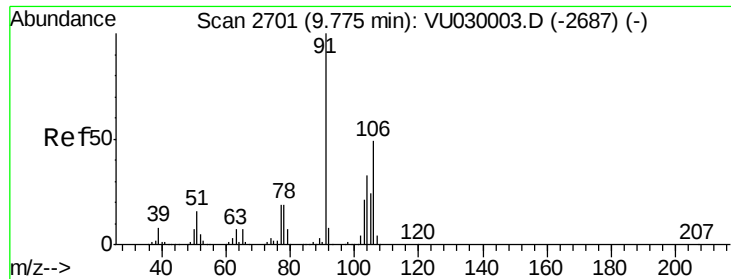
Tgt Ion: 106 Resp: 113346

Ion Ratio Lower Upper

106 100

91 198.8 157.9 236.9





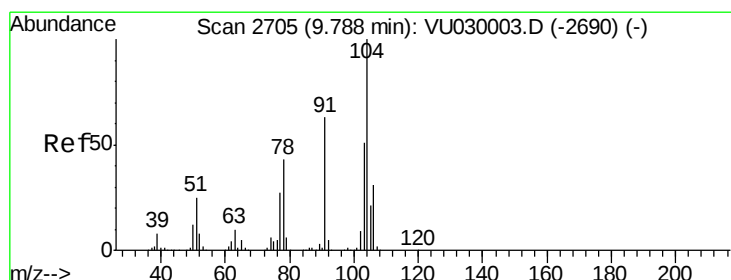
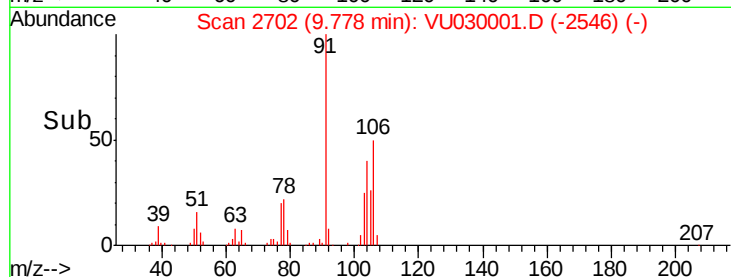
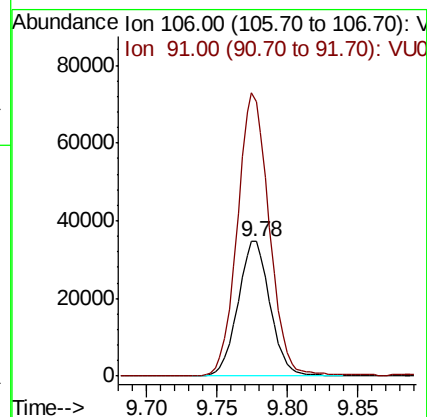
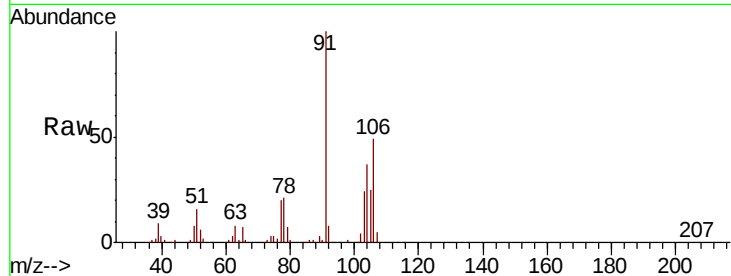
#65
o-Xylene
Concen: 1.856 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion:106 Resp: 55697
Ion Ratio Lower Upper
106 100
91 207.2 103.2 309.4

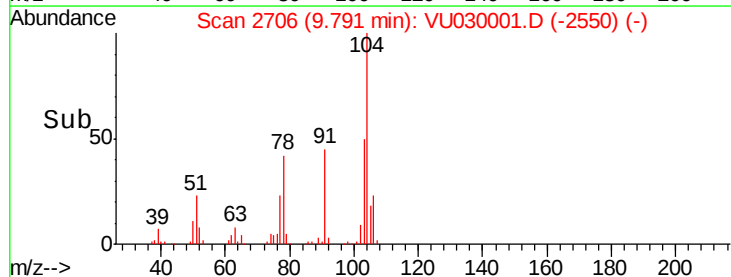
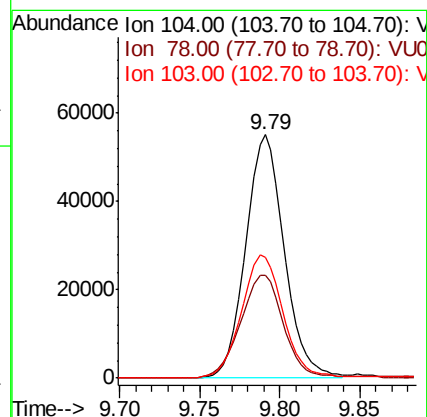
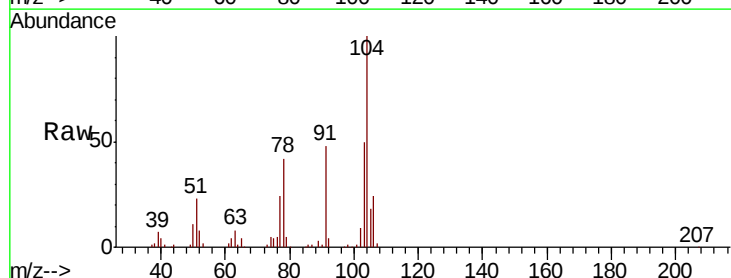
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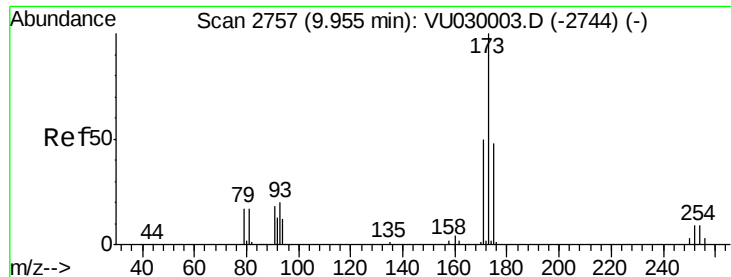
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#66
Styrene
Concen: 1.840 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion:104 Resp: 90513
Ion Ratio Lower Upper
104 100
78 47.1 37.0 55.4
103 54.6 43.8 65.6





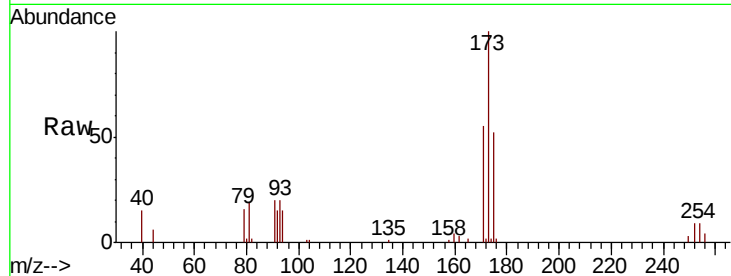
#67
Bromoform
Concen: 1.803 ug/l
RT: 9.96 min Scan# 2758
Delta R.T. 0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.9	39.0	58.4
254	7.9	7.0	10.4

Manual Integrations
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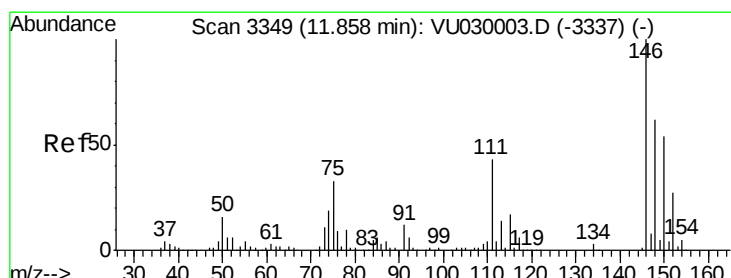
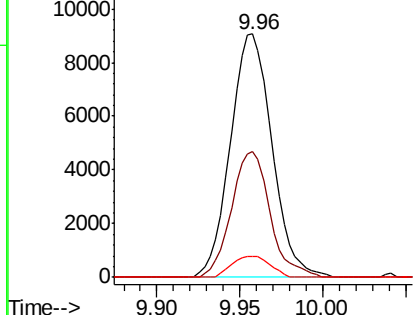
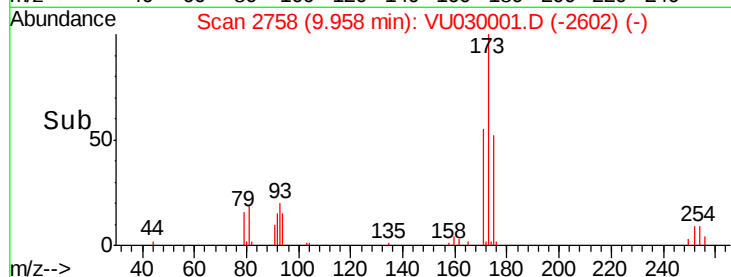


Abundance

Ion 172.90 (172.60 to 173.60): V

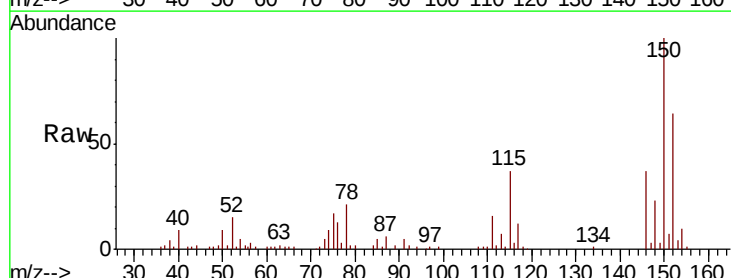
Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68
1,2-Dichlorobenzene-d4
Concen: 1.803 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	68.3	0.0	126.8
150	183.7	0.0	634.2

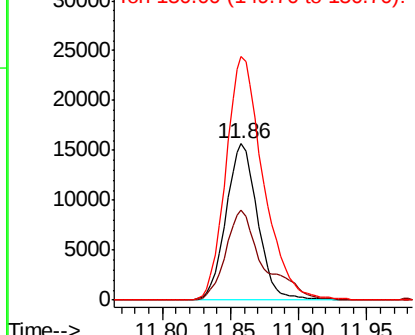
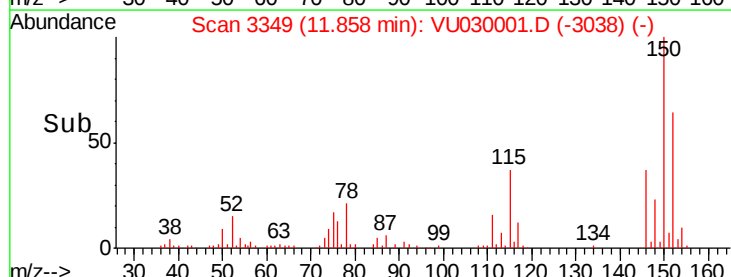


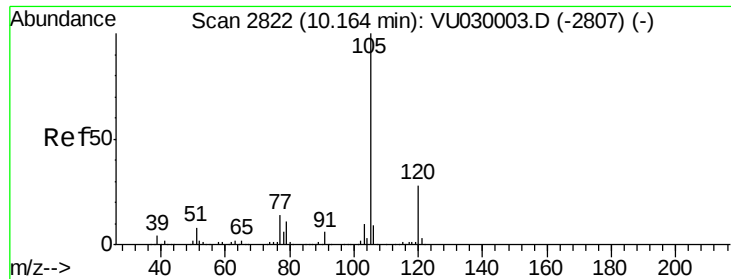
Abundance

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





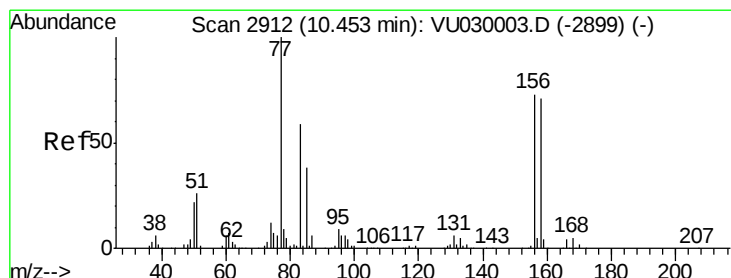
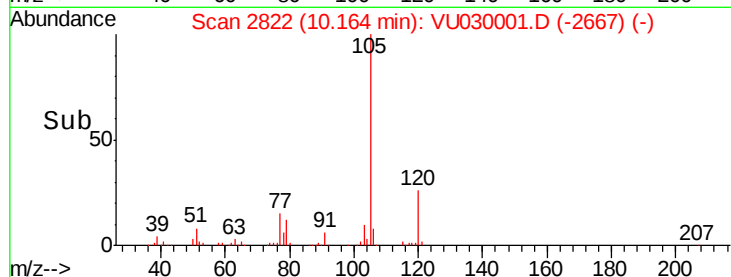
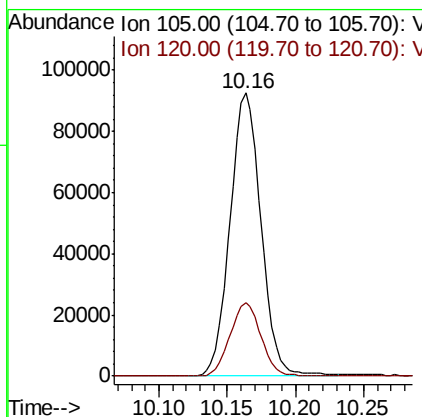
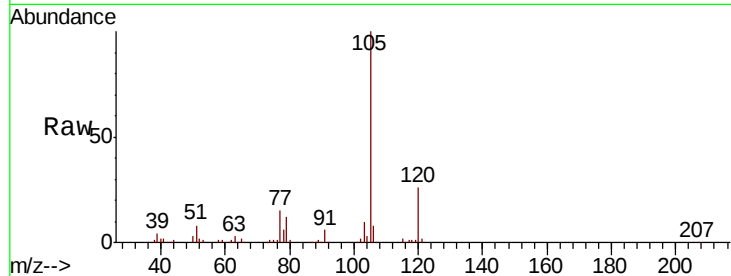
#69
Isopropylbenzene
Concen: 1.871 ug/l
RT: 10.16 min Scan# 2822
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Instrument :
MSVOA_U
ClientSampled :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.5	40.5

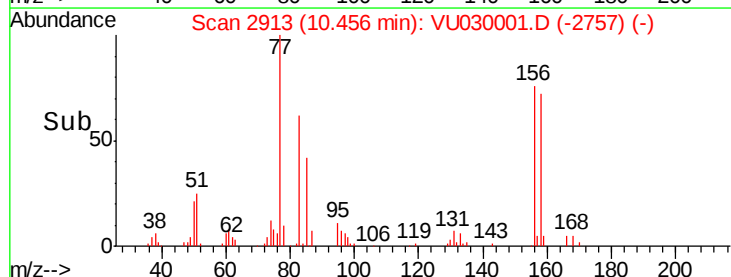
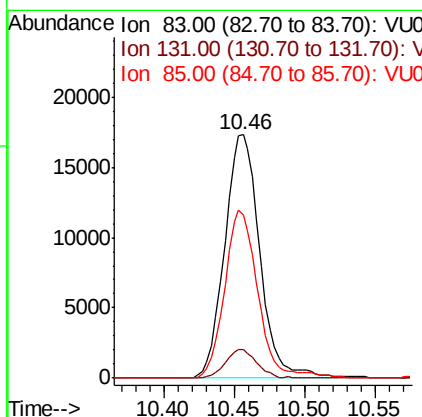
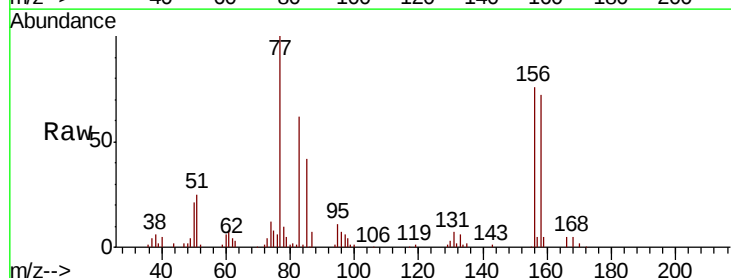
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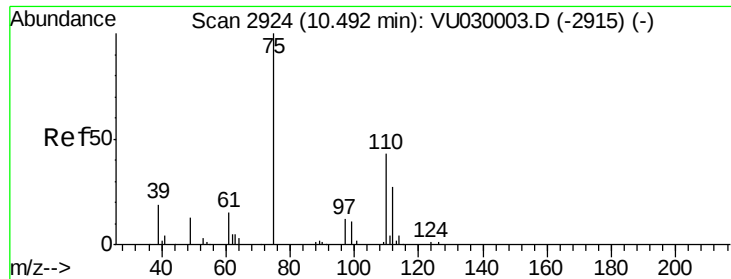
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#70
1,1,2,2-Tetrachloroethane
Concen: 1.911 ug/l
RT: 10.46 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.3	8.4	12.6
85	65.4	52.6	78.8





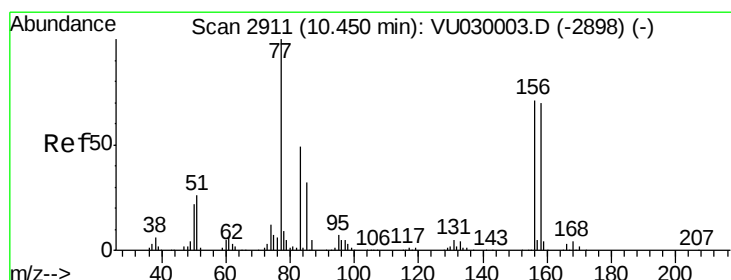
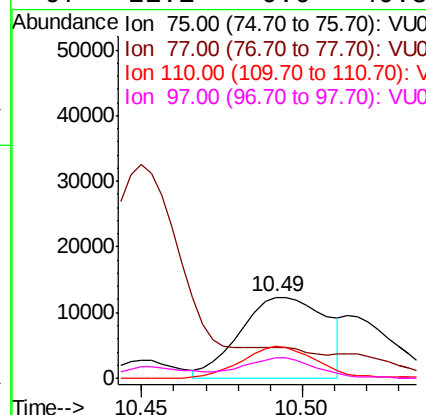
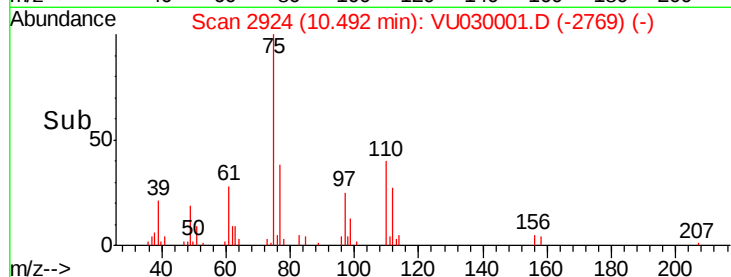
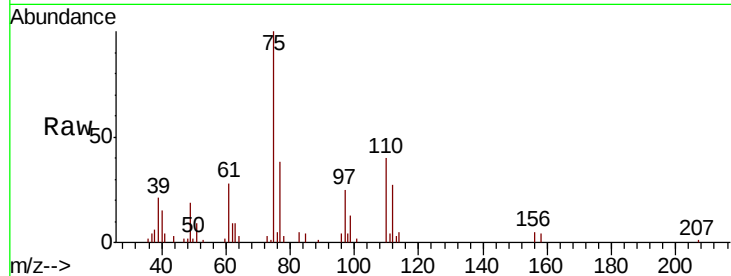
#71
 1,2,3-Trichloropropane
 Concen: 1.975 ug/l m
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC002

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	16.8
110	34.0	0.0	76.8
97	21.1	0.0	40.8

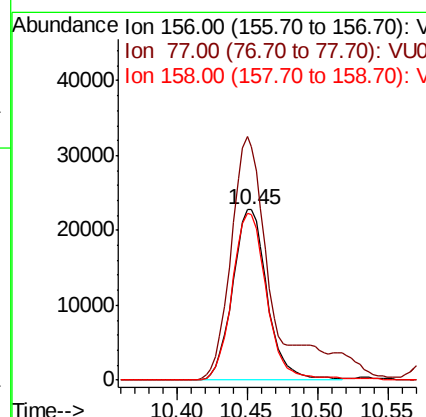
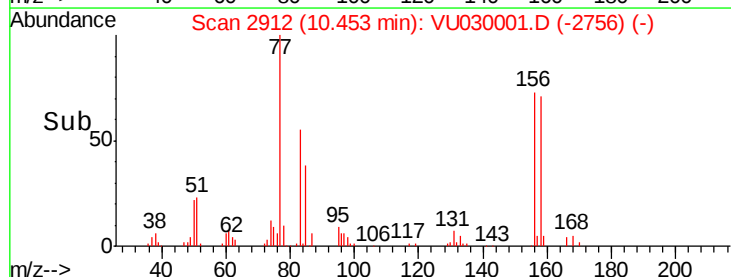
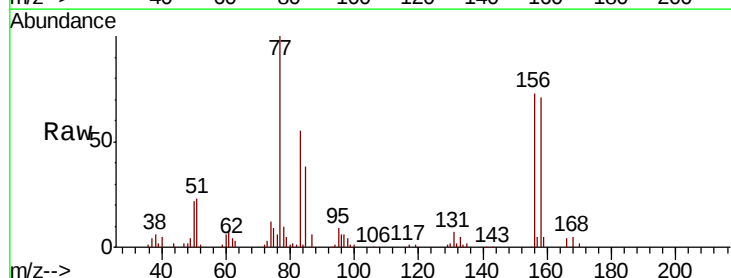
Manual Integrations
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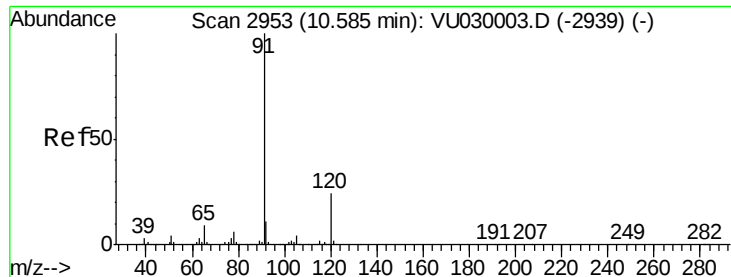
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#72
 Bromobenzene
 Concen: 1.904 ug/l
 RT: 10.45 min Scan# 2912
 Delta R.T. 0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
156	100		
77	142.3	0.0	278.6
158	97.9	0.0	195.2





#73

n-propylbenzene

Concen: 1.909 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion:120 Resp: 42377

Ion Ratio Lower Upper

120 100

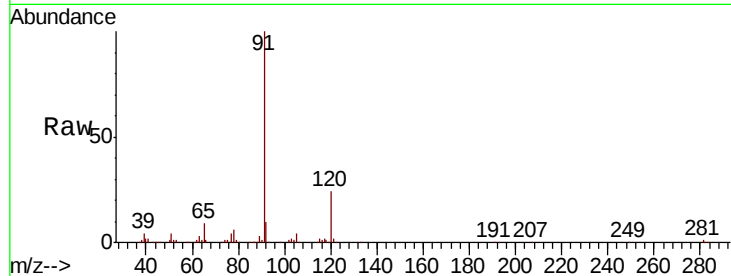
91 406.5 335.4 503.0

Manual Integrations

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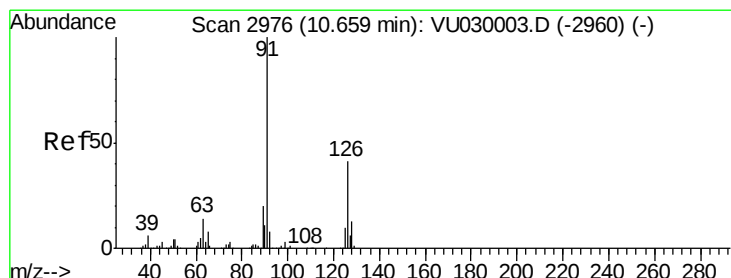
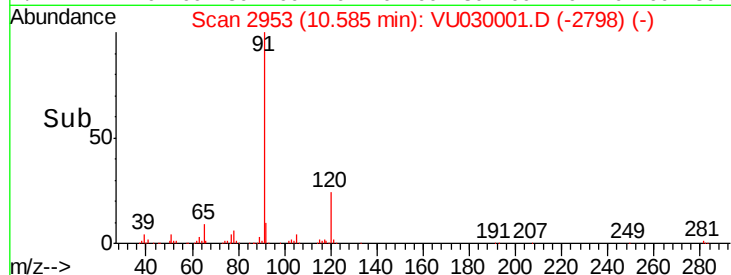
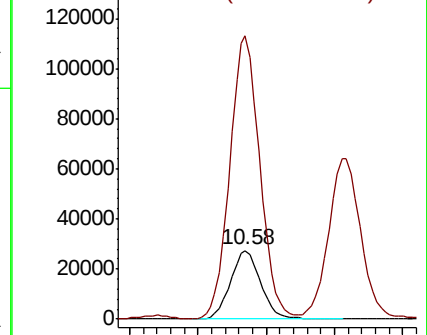
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.899 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. -0.00 min

Lab File: VU030001.D

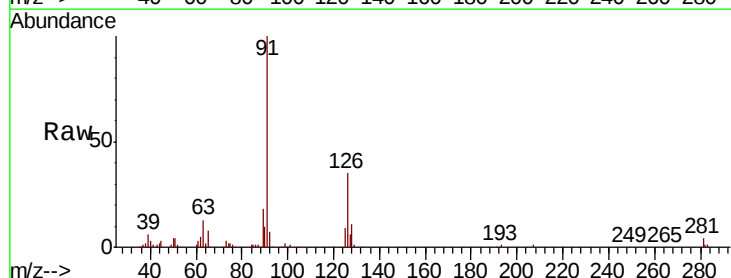
Acq: 12 Mar 2019 10:54

Tgt Ion:126 Resp: 36921

Ion Ratio Lower Upper

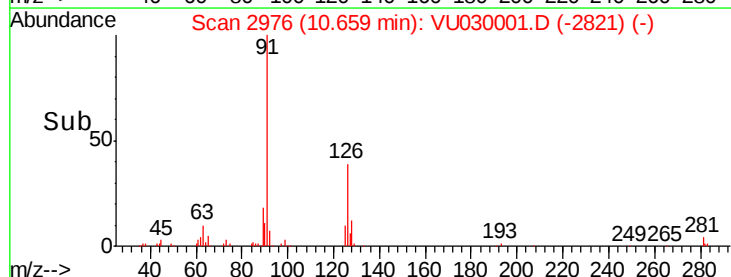
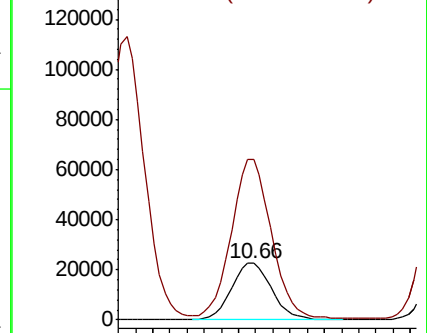
126 100

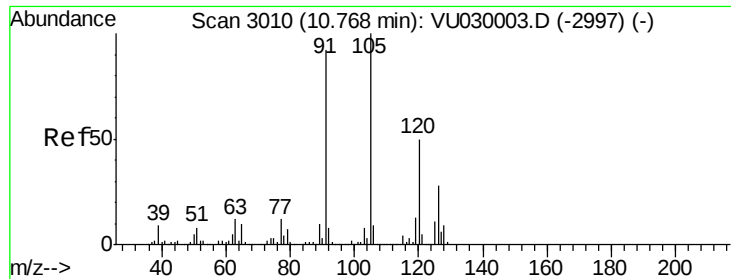
91 278.0 0.0 561.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.884 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampled :

VSTDIC002

Tgt Ion:105 Resp: 125572

Ion Ratio Lower Upper

105 100

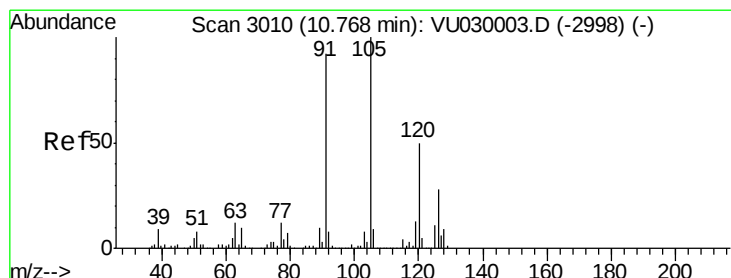
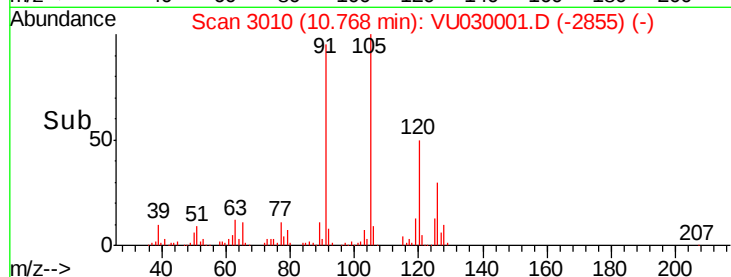
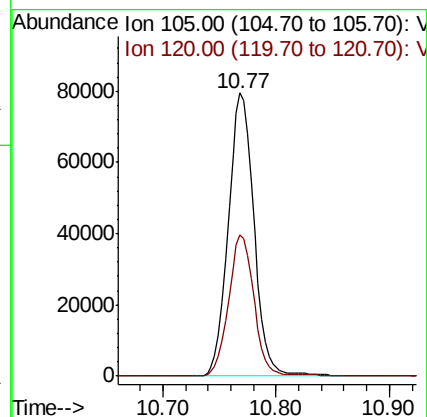
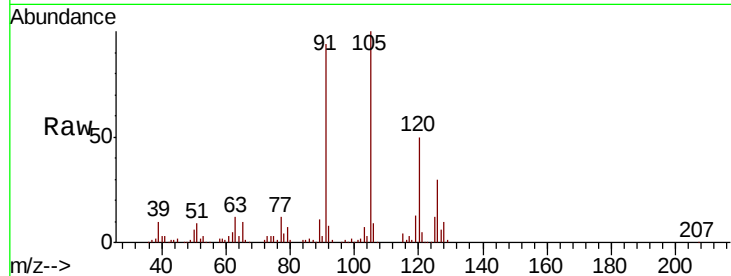
120 48.9 39.8 59.8

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#76

4-Chlorotoluene

Concen: 1.837 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU030001.D

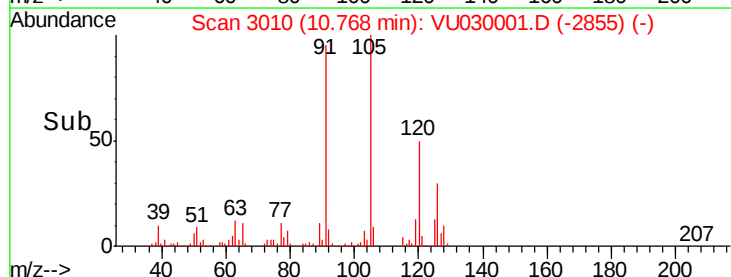
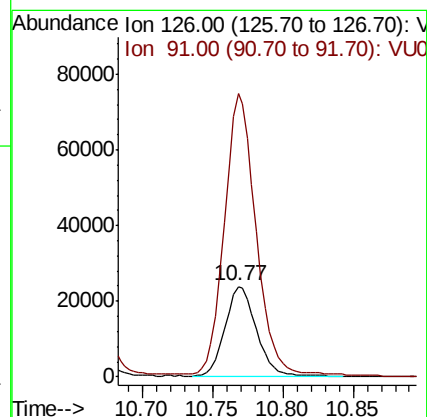
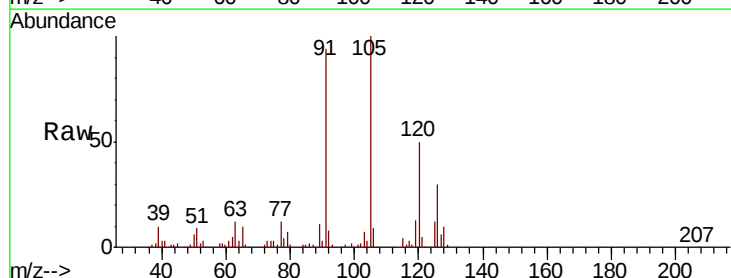
Acq: 12 Mar 2019 10:54

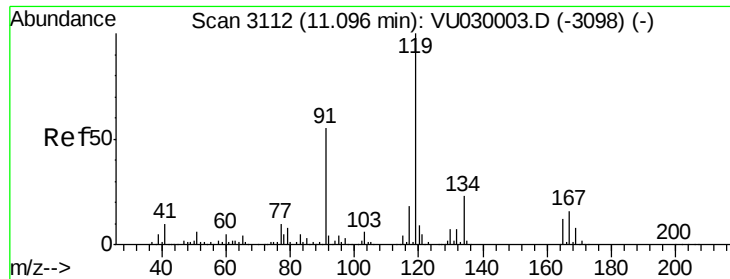
Tgt Ion:126 Resp: 36444

Ion Ratio Lower Upper

126 100

91 323.5 0.0 641.8





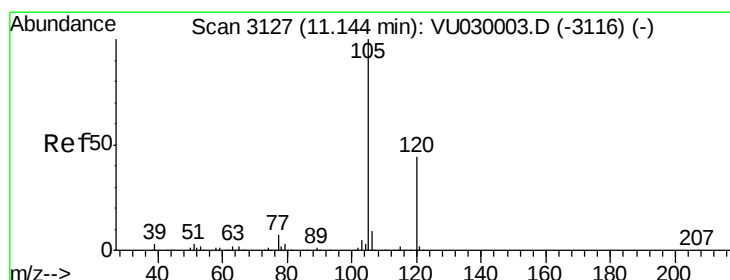
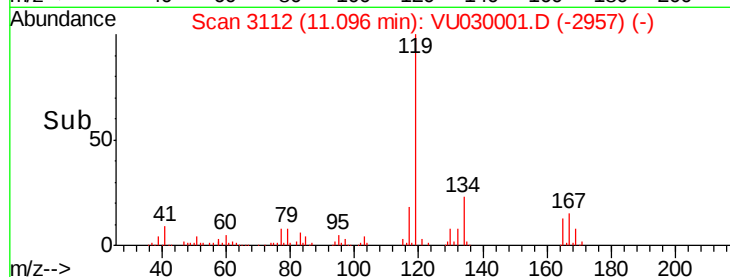
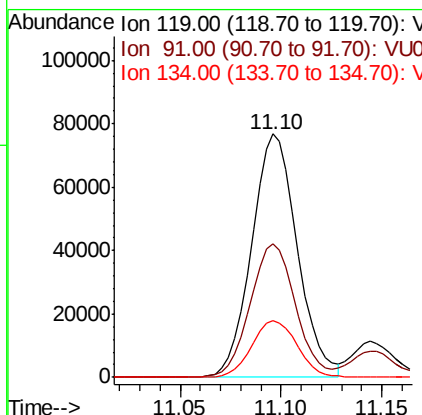
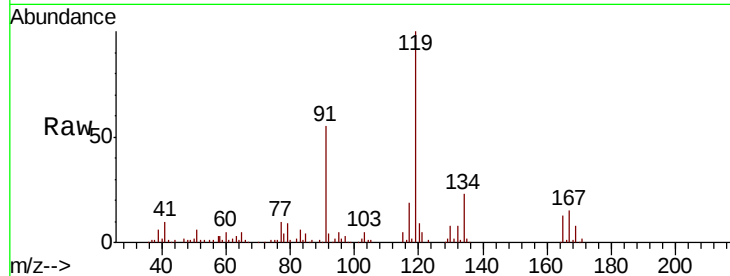
#77
 tert-Butylbenzene
 Concen: 1.861 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC002

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	121401		
91	54.4	27.6	82.8	
134	23.3	18.7	28.1	

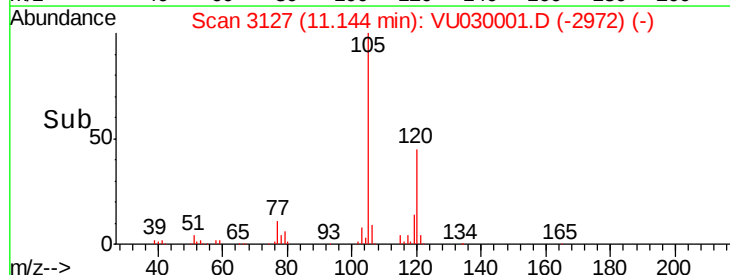
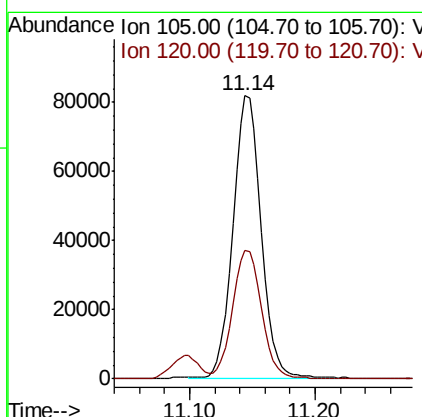
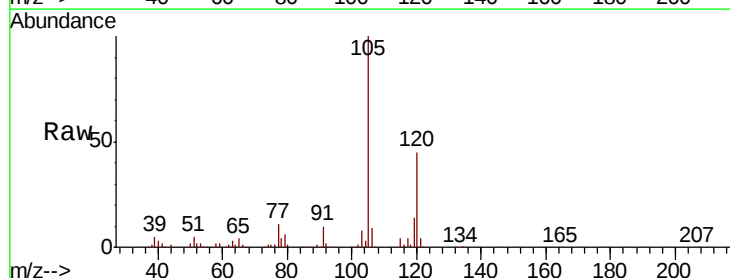
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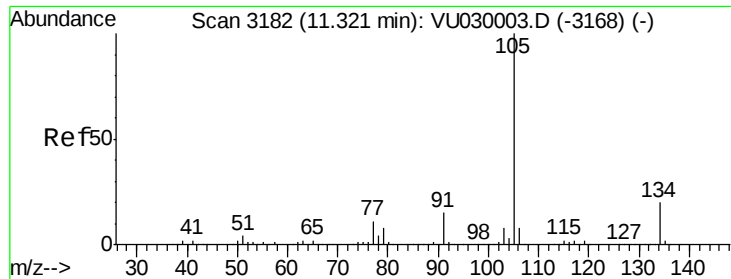
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#78
 1,2,4-Trimethylbenzene
 Concen: 1.857 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	125913		
120	47.9	23.5	70.6	





#79

sec-Butylbenzene

Concen: 1.882 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 105 Resp: 164523

Ion Ratio Lower Upper

105 100

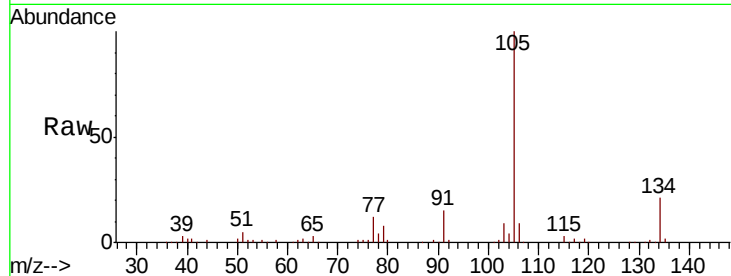
134 20.2 16.1 24.1

Manual Integrations

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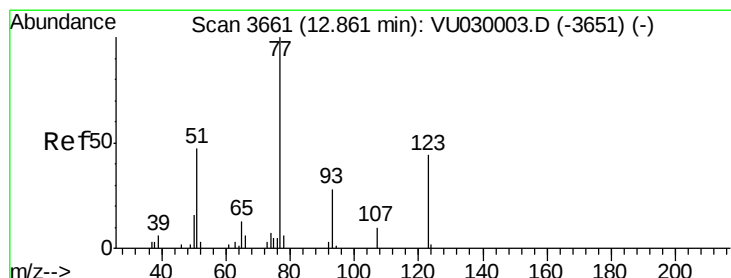
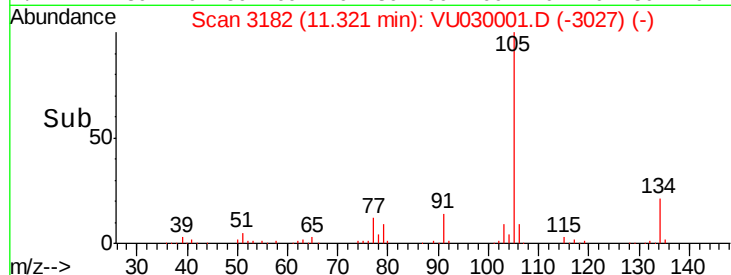
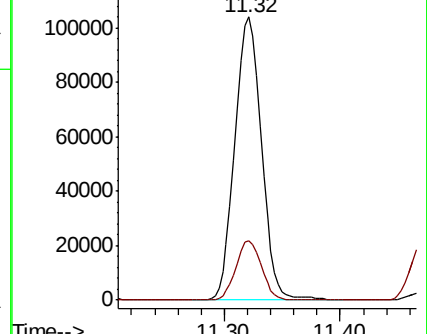
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 6.818 ug/l m

RT: 12.87 min Scan# 3664

Delta R.T. 0.01 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

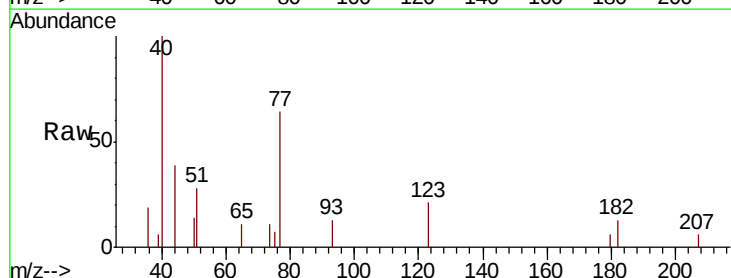
Tgt Ion: 77 Resp: 2007

Ion Ratio Lower Upper

77 100

123 45.5 19.9 70.5

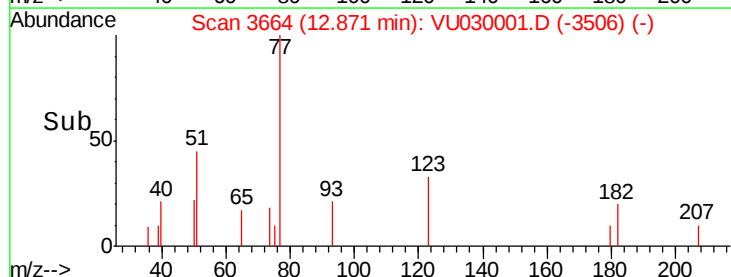
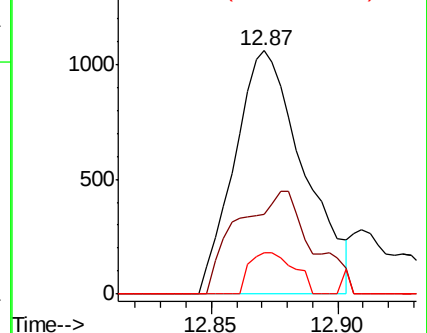
65 11.1 10.8 13.8

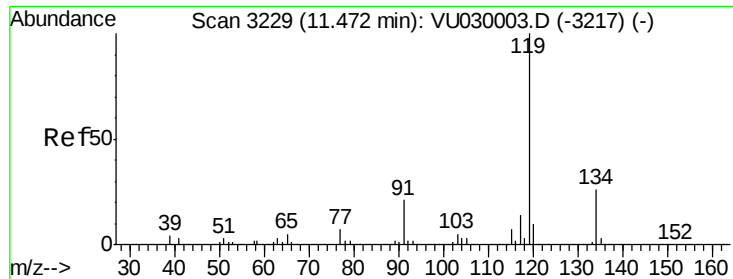


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





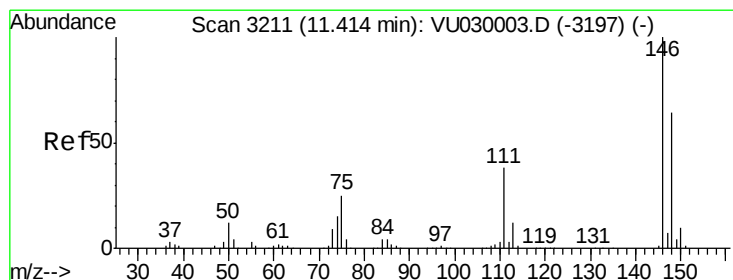
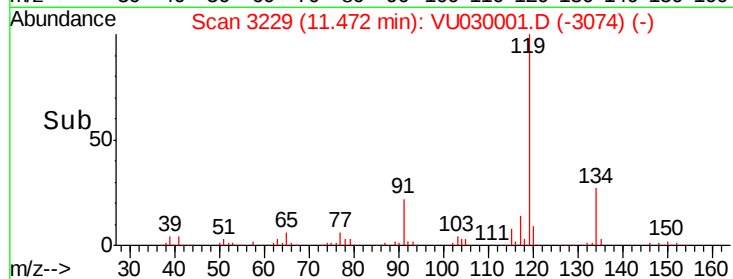
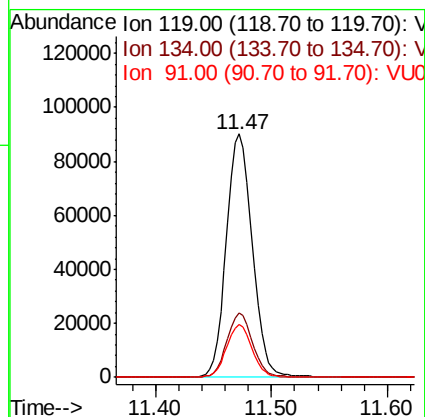
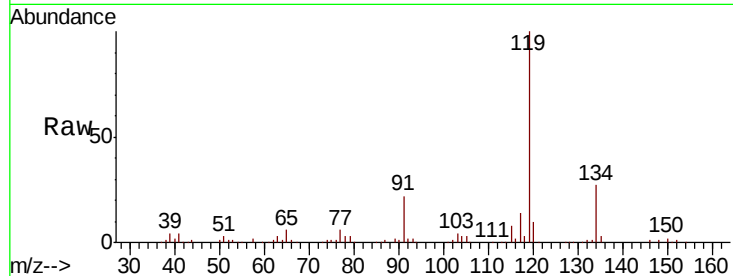
#81
p-Isopropyltoluene
Concen: 1.905 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.2	31.8
91	21.4	17.0	25.6

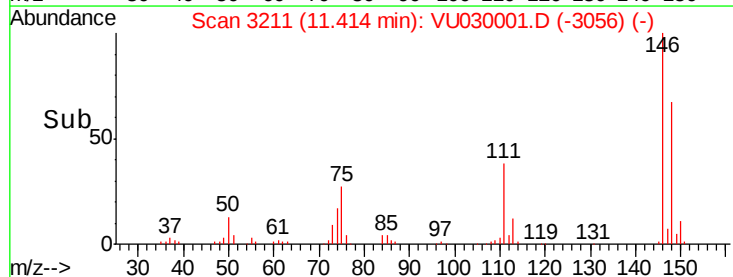
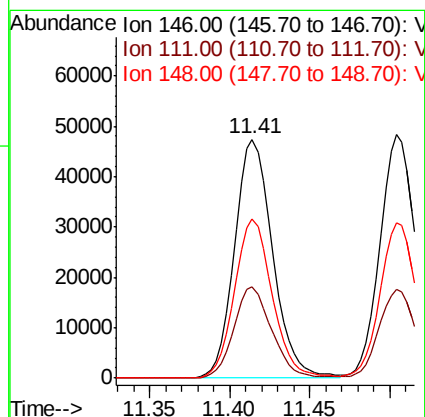
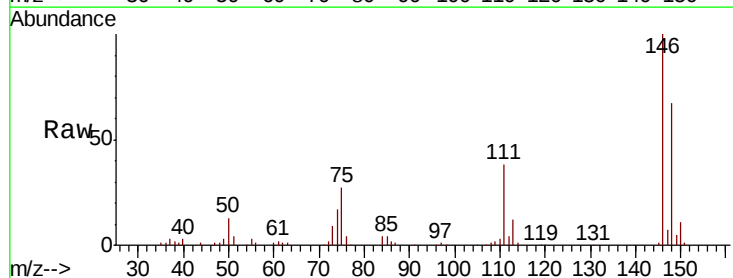
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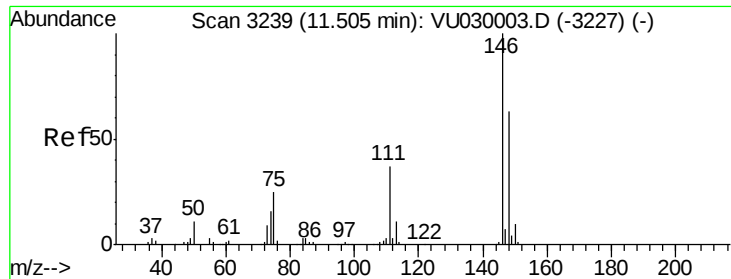
MMDadoda
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#82
1,3-Dichlorobenzene
Concen: 1.853 ug/l
RT: 11.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	30.3	45.5
148	66.1	51.1	76.7





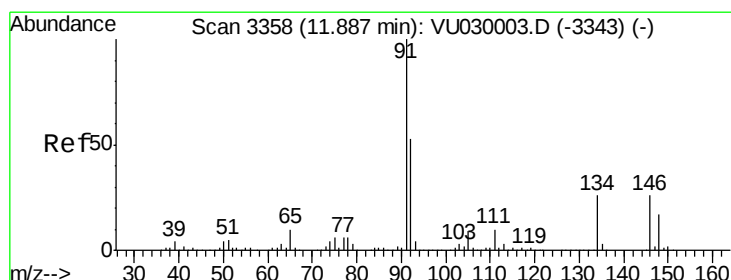
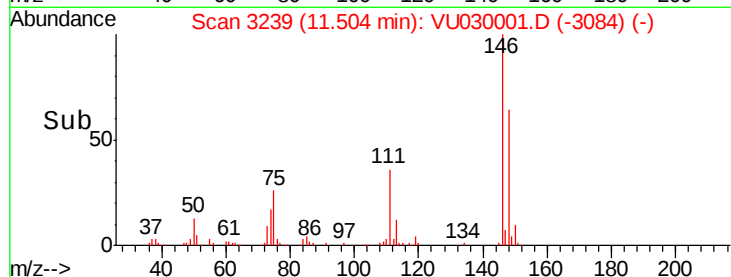
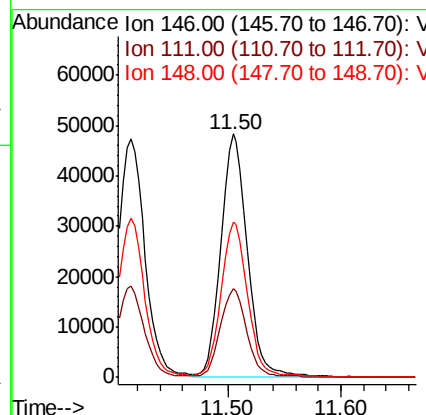
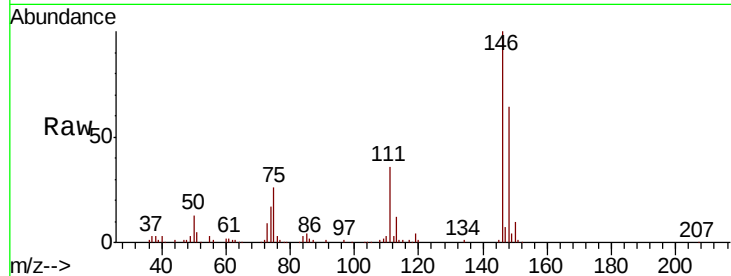
#83
 1,4-Dichlorobenzene
 Concen: 1.877 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	29.3	43.9
148	63.9	50.6	76.0

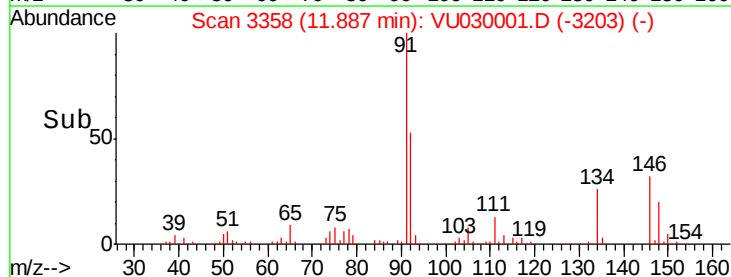
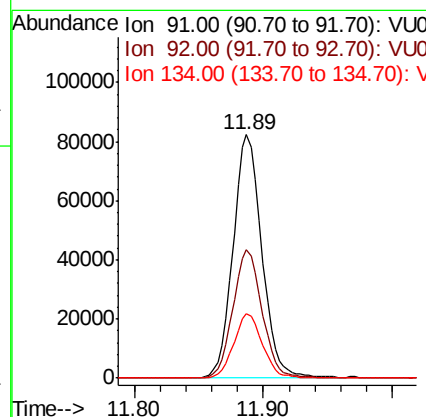
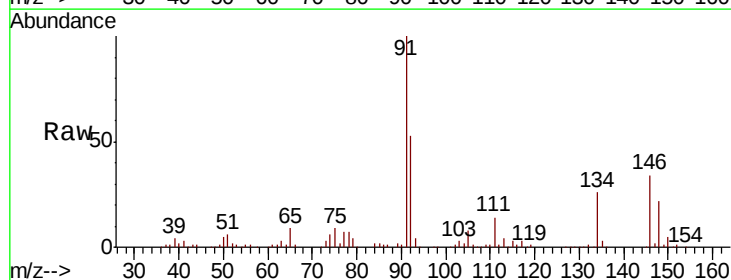
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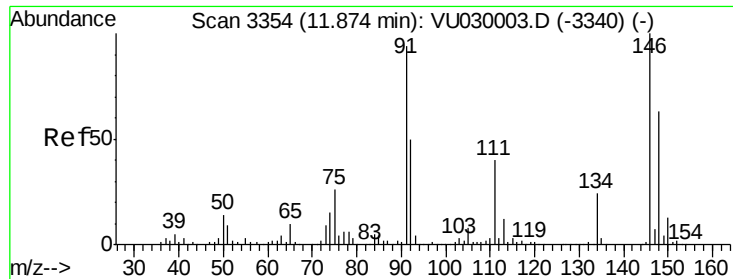
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#84
 n-Butylbenzene
 Concen: 1.859 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. -0.00 min
 Lab File: VU030001.D
 Acq: 12 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.3	42.4	63.6
134	26.2	21.4	32.0





#85

1,2-Dichlorobenzene

Concen: 1.858 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

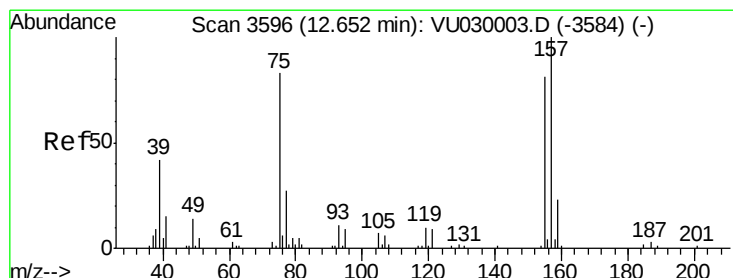
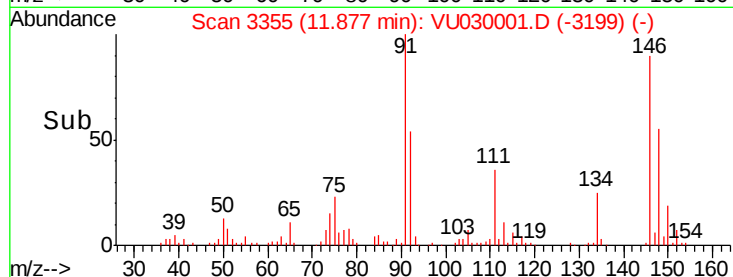
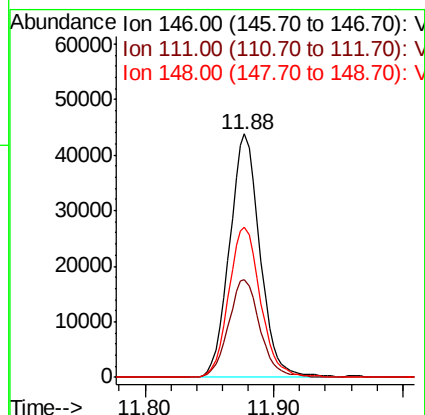
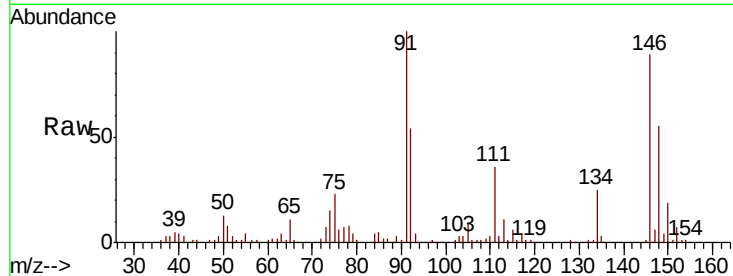
ClientSampleId :

VSTDIC002

Tgt Ion:	146	Resp:	71658
Ion Ratio	Lower	Upper	
146	100		
111	41.5	19.9	59.7
148	64.5	31.7	95.1

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#86

1,2-Dibromo-3-Chloropropane

Concen: 1.761 ug/l

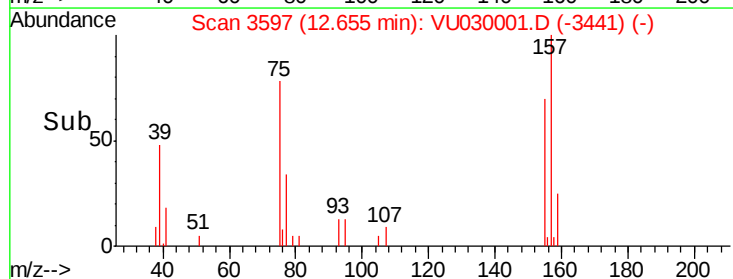
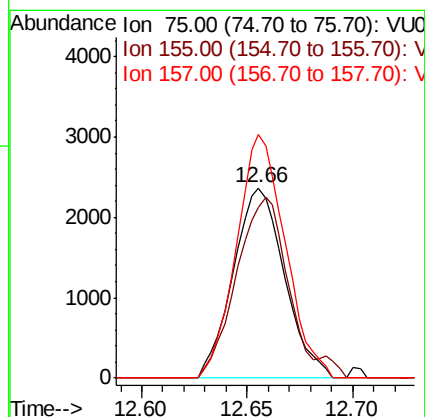
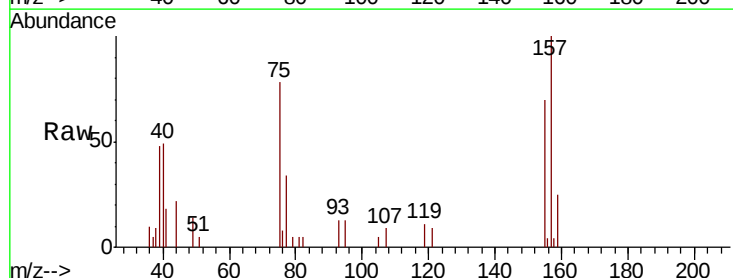
RT: 12.66 min Scan# 3597

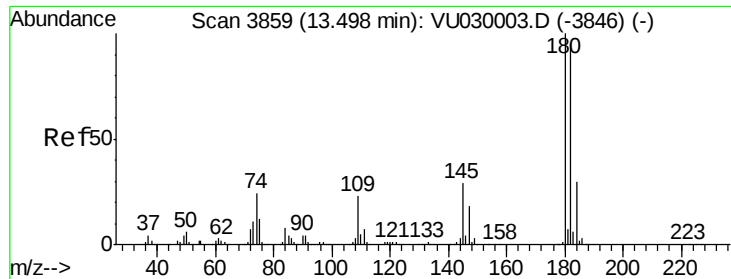
Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Tgt Ion:	75	Resp:	3998
Ion Ratio	Lower	Upper	
75	100		
155	97.3	78.2	117.4
157	121.7	97.2	145.8





#87

1,2,4-Trichlorobenzene

Concen: 1.799 ug/l

RT: 13.50 min Scan# 3860

Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Instrument :

MSVOA_U

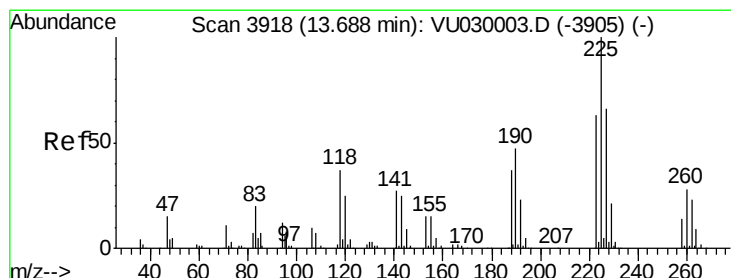
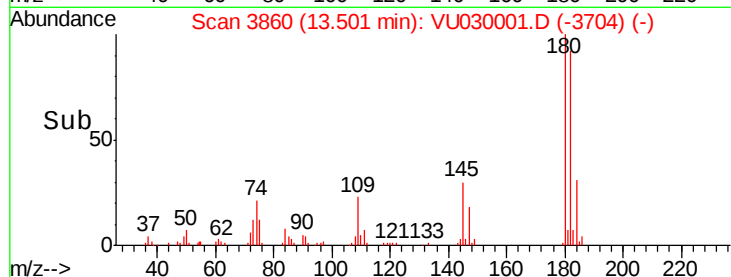
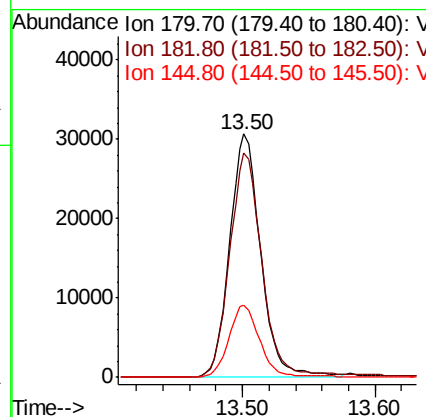
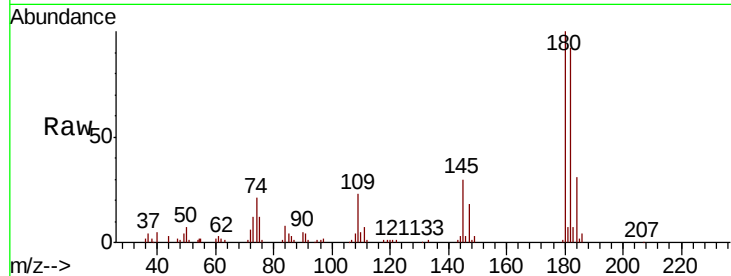
ClientSampleId :

VSTDIC002

Tgt Ion:	180	Resp:	50090
Ion Ratio	Lower	Upper	
180	100		
182	95.7	76.2	114.2
145	29.6	23.0	34.6

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#88

Hexachlorobutadiene

Concen: 1.926 ug/l

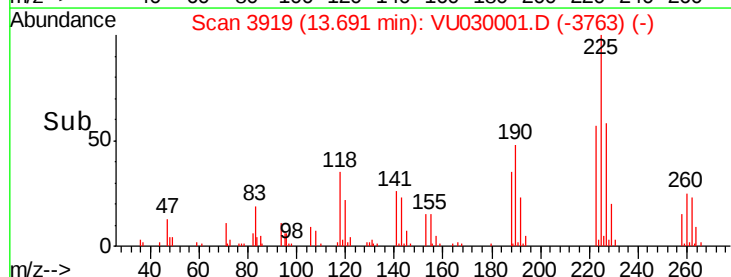
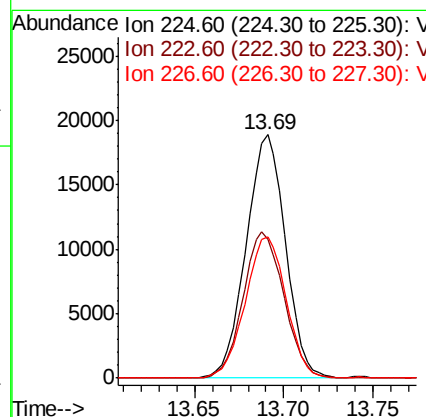
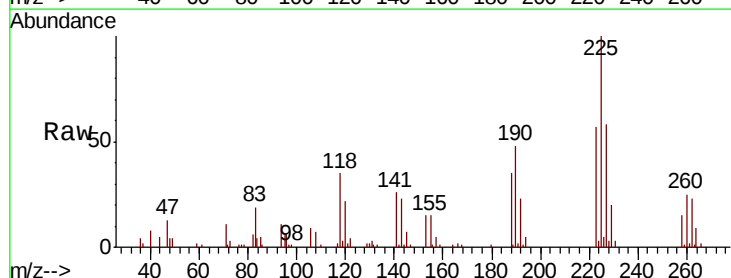
RT: 13.69 min Scan# 3919

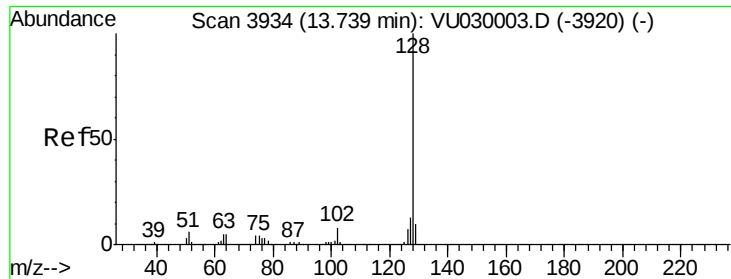
Delta R.T. 0.00 min

Lab File: VU030001.D

Acq: 12 Mar 2019 10:54

Tgt Ion:	225	Resp:	29059
Ion Ratio	Lower	Upper	
225	100		
223	62.4	50.7	76.1
227	60.3	52.6	78.8





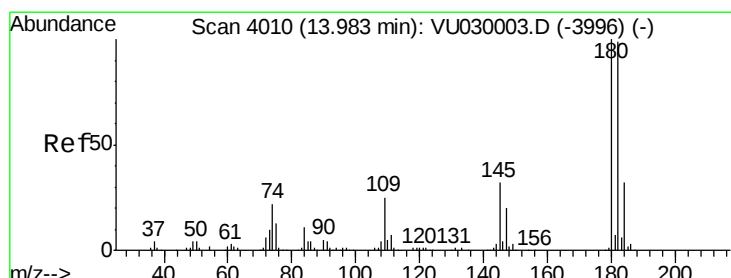
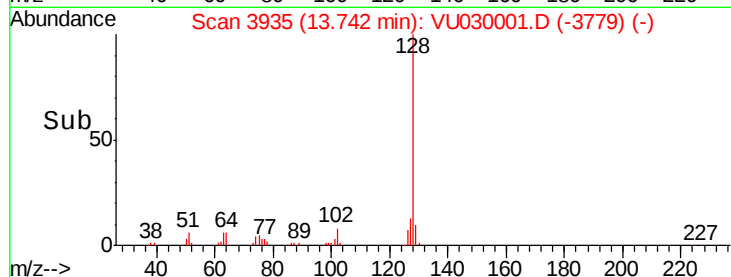
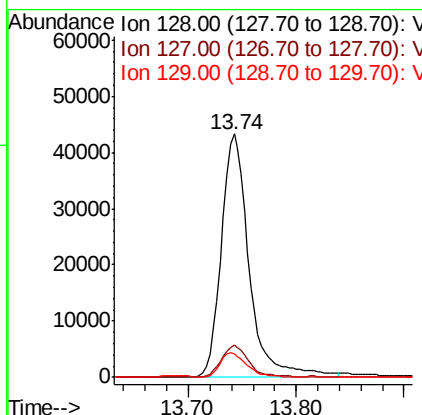
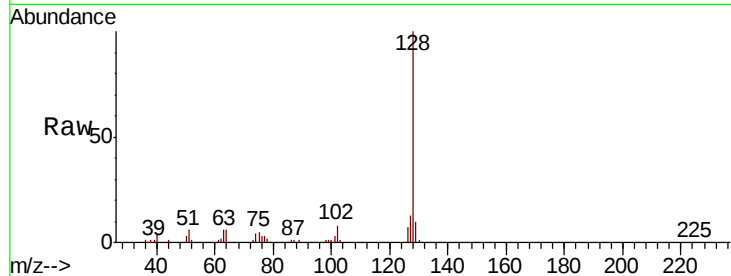
#89
Naphthalene
Concen: 1.784 ug/l
RT: 13.74 min Scan# 3935
Delta R.T. 0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.1	15.1
129	9.3	8.5	12.7

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#90
1,2,3-Trichlorobenzene
Concen: 1.834 ug/l
RT: 13.99 min Scan# 4011
Delta R.T. 0.00 min
Lab File: VU030001.D
Acq: 12 Mar 2019 10:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.6	116.4
145	31.8	24.7	37.1

