

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031419\
 Data File : VU030004.D
 Acq On : 12 Mar 2019 12:15
 Operator : JC/SP
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 12:56:04 PM

Quant Time: Mar 13 04:21:19 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	65762	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.30	95	24304	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	27052	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	359383	14.901	ug/l	100
3) Chloromethane	1.33	50	399202	14.590	ug/l	99
4) Vinyl Chloride	1.40	62	351093	14.970	ug/l	98
5) Bromomethane	1.62	94	164152	12.247	ug/l	98
6) Chloroethane	1.69	64	198339	14.649	ug/l	99
7) Trichlorofluoromethane	1.88	101	449624	14.780	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	238822	14.431	ug/l	98
9) 1,1-Dichloroethene	2.28	96	245373	14.954	ug/l	98
10) Iodomethane	2.41	142	266341	18.734	ug/l	98
11) Allyl Chloride	2.59	41	341330	14.711	ug/l	98
12) Acrylonitrile	2.93	53	101862	28.663	ug/l	99
13) Acetone	2.32	43	205547	66.438	ug/l	99
14) Carbon Disulfide	2.47	76	835863	14.621	ug/l	99
15) Methylene Chloride	2.70	84	270366	13.838	ug/l	98
16) trans-1,2-Dichloroethene	2.97	96	273927	14.457	ug/l	98
17) 1,1-Dichloroethane	3.44	63	470252	14.680	ug/l	100
18) 2-Butanone	4.27	43	333351	77.825	ug/l	99
19) Cyclohexane	4.99	56	430888m	15.757	ug/l	
20) Methylcyclohexane	6.41	83	479296	15.826	ug/l	100
21) 2,2-Dichloropropane	4.22	77	385333	14.306	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	312071	14.815	ug/l	99
23) Diethyl Ether	2.10	59	182721	14.904	ug/l	98
24) tert-Butyl Alcohol	2.83	59	192103	146.416	ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	614864	14.838	ug/l	99
26) Bromochloromethane	4.54	128	134120	14.554	ug/l	99
27) Chloroform	4.67	83	481866	14.298	ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	419337	15.122	ug/l	100
29) 1,1-Dichloropropene	5.13	75	379533	15.034	ug/l	100
30) Carbon Tetrachloride	5.13	117	373882	15.082	ug/l	99
31) Isopropyl Ether	3.58	45	684705	15.189	ug/l	99
32) Ethyl-t-butyl ether	4.07	59	672165	15.476	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	623906	15.693	ug/l	99
34) Propionitrile	4.32	54	98079	80.714	ug/l #	97
35) Benzene	5.38	78	1100082	14.894	ug/l	100
36) 1,2-Dichloroethane	5.40	62	286517	14.508	ug/l	100
37) Trichloroethene	6.18	130	312335	14.682	ug/l	98
38) 1,2-Dichloropropane	6.43	63	276821	14.744	ug/l	99
39) Methacrylonitrile	4.55	41	80067	15.377	ug/l #	94
40) Methyl acrylate	4.42	55	138833	16.874	ug/l	97
41) Tetrahydrofuran	4.65	42	82504	28.648	ug/l	99
42) 1-Chlorobutane	5.06	56	502529	15.198	ug/l	100

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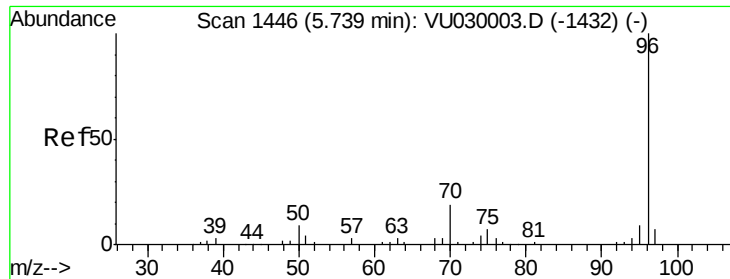
Manual Integrations
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Quant Time: Mar 13 04:21:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U031419DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Mar 13 04:00:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	143795	14.802	ug/l	97
44) Bromodichloromethane	6.75	83	348515	15.039	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	760838	79.274	ug/l	99
46) t-1,4-Dichloro-2-butene	10.51	75	149153m	39.983	ug/l	
47) Methyl methacrylate	6.62	69	265194	32.587	ug/l	99
48) Ethyl methacrylate	8.02	69	261802	17.058	ug/l	100
49) Toluene	7.63	92	705614	15.855	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	338291	16.302	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	411880	15.789	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	206496	15.037	ug/l	96
53) 1,3-Dichloropropane	8.24	76	347204	15.117	ug/l	99
54) 2-Hexanone	8.36	43	545768	78.925	ug/l	100
55) Dibromochloromethane	8.47	129	259700	15.720	ug/l	98
56) 1,2-Dibromoethane	8.58	107	201405	15.239	ug/l	100
58) Tetrachloroethene	8.22	164	295829	15.313	ug/l	97
59) Chlorobenzene	9.12	112	797198	15.676	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	273296	15.214	ug/l	98
61) Pentachloroethane	11.10	117	216841	15.642	ug/l	99
62) Hexachloroethane	12.14	117	225111	16.117	ug/l	99
63) Ethyl Benzene	9.25	91	1346408	16.121	ug/l	99
64) m/p-Xylenes	9.37	106	1072079	32.626	ug/l	100
65) o-Xylene	9.77	106	516314	16.020	ug/l	99
66) Styrene	9.79	104	885145	16.756	ug/l	99
67) Bromoform	9.95	173	156542	16.578	ug/l	99
69) Isopropylbenzene	10.16	105	1356219	16.139	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	261025	15.422	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	183732m	14.622	ug/l	
72) Bromobenzene	10.45	156	350026	15.882	ug/l	100
73) n-propylbenzene	10.58	120	390475	16.380	ug/l	99
74) 2-Chlorotoluene	10.66	126	331662	15.886	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	1177930	16.454	ug/l	100
76) 4-Chlorotoluene	10.77	126	338329	15.876	ug/l	98
77) tert-Butylbenzene	11.10	119	1155225	16.485	ug/l	100
78) 1,2,4-Trimethylbenzene	11.14	105	1205166	16.553	ug/l	99
79) sec-Butylbenzene	11.32	105	1537235	16.375	ug/l	99
80) Nitrobenzene	12.86	77	29104	92.060	ug/l	98
81) p-Isopropyltoluene	11.47	119	1309602	16.632	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	691479	15.536	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	685916	15.330	ug/l	99
84) n-Butylbenzene	11.89	91	1234217	16.780	ug/l	100
85) 1,2-Dichlorobenzene	11.87	146	642593	15.512	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.65	75	39812	16.328	ug/l	95
87) 1,2,4-Trichlorobenzene	13.50	180	481353	16.102	ug/l	99
88) Hexachlorobutadiene	13.69	225	254986	15.736	ug/l	98
89) Naphthalene	13.74	128	838922	17.907	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	434325	16.035	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

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Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 96 Resp: 65762

Ion Ratio Lower Upper

96 100

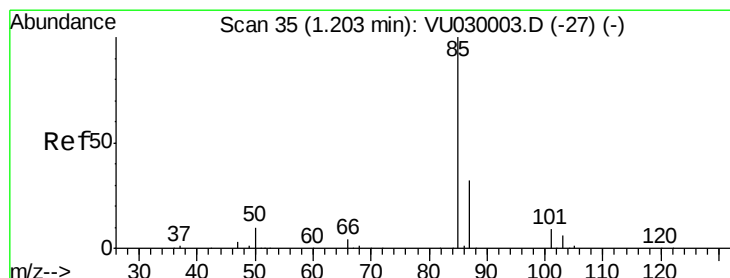
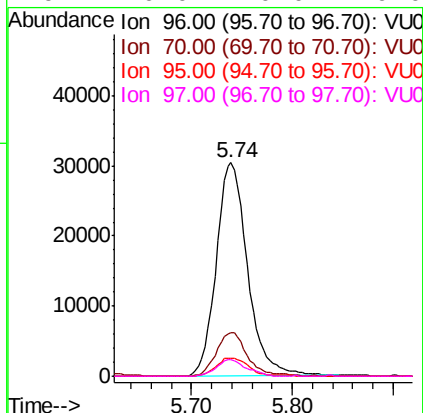
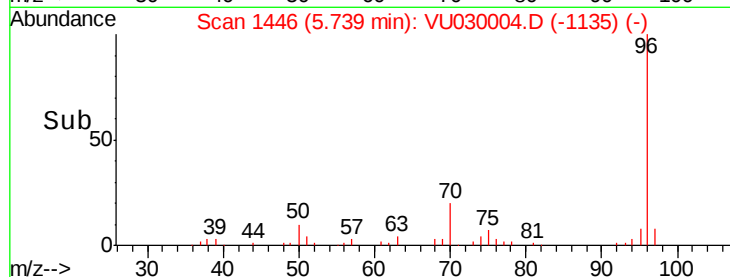
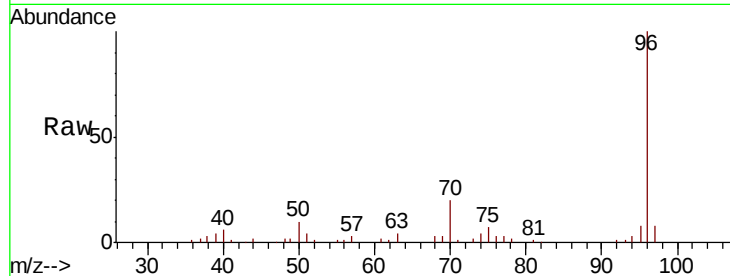
70 20.4 15.5 23.3

95 0.0 6.6 9.8#

97 0.0 0.0 0.0

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#2

Dichlorodifluoromethane

Concen: 14.901 ug/l

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU030004.D

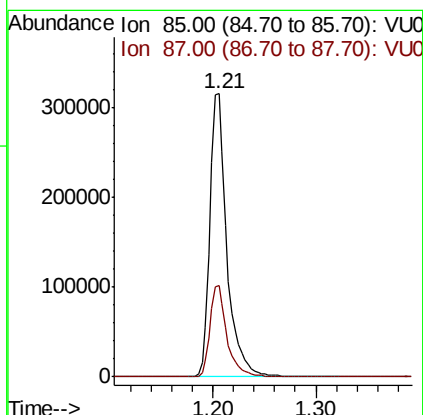
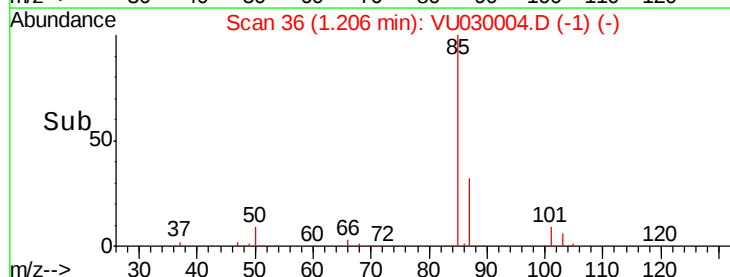
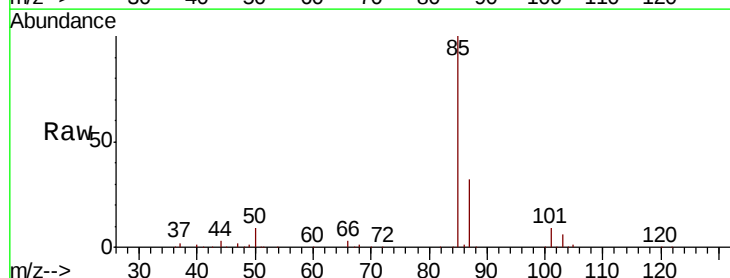
Acq: 12 Mar 2019 12:15

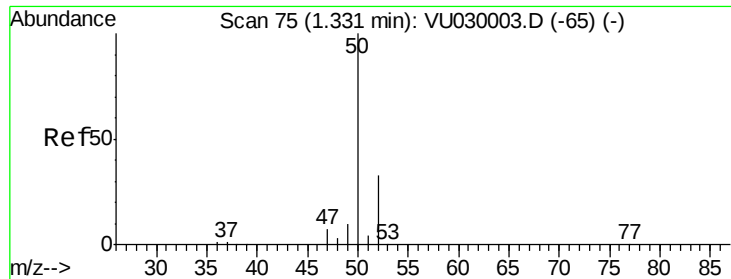
Tgt Ion: 85 Resp: 359383

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.6





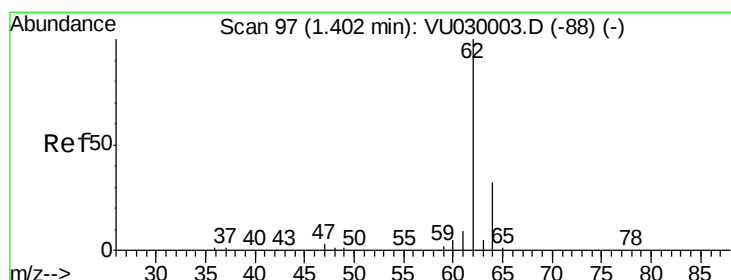
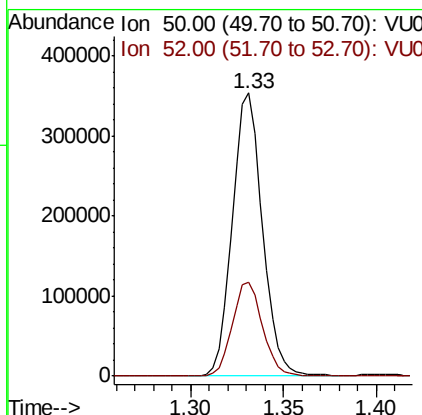
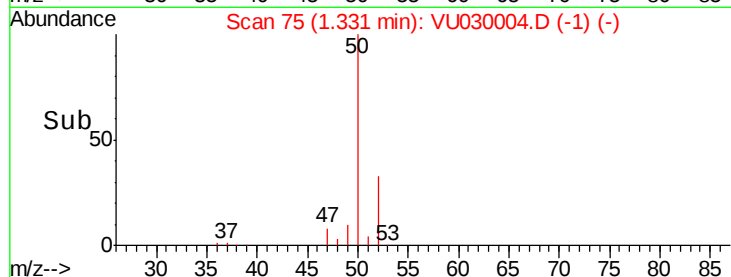
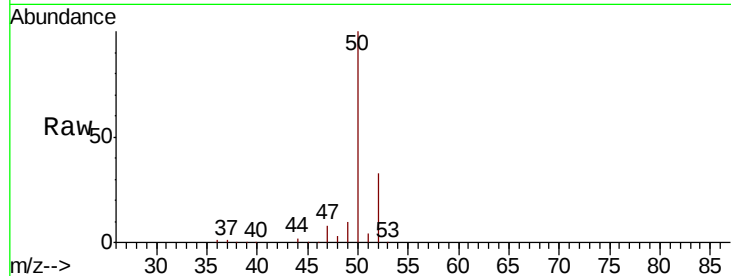
#3
Chloromethane
Concen: 14.590 ug/l
RT: 1.33 min Scan# 75
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion: 50 Resp: 399202
Ion Ratio Lower Upper
50 100
52 33.3 26.1 39.1

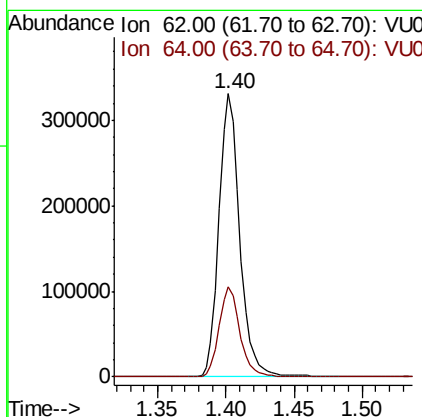
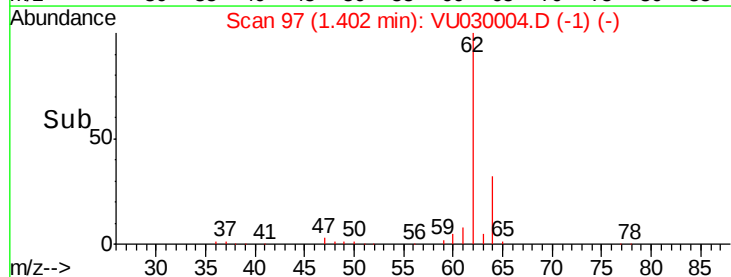
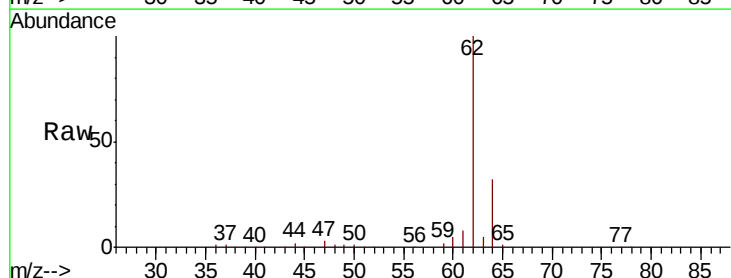
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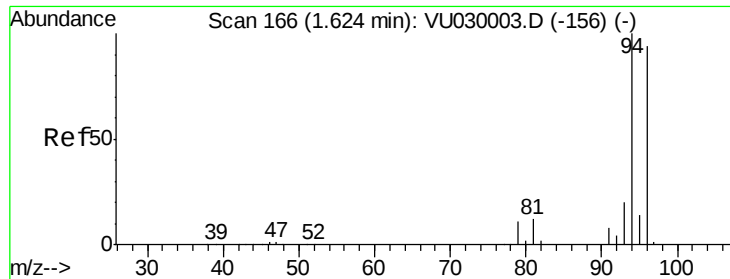
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#4
Vinyl Chloride
Concen: 14.970 ug/l
RT: 1.40 min Scan# 97
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Tgt Ion: 62 Resp: 351093
Ion Ratio Lower Upper
62 100
64 31.6 26.0 39.0





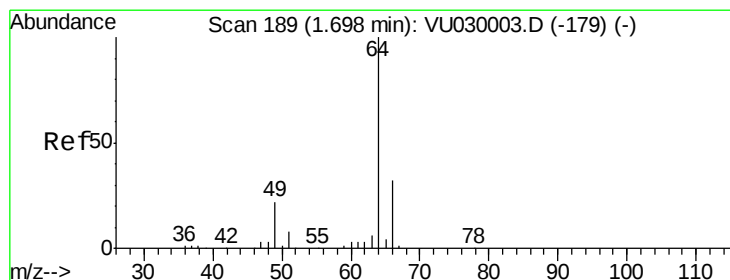
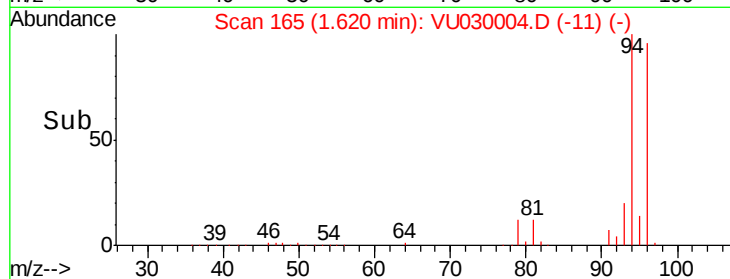
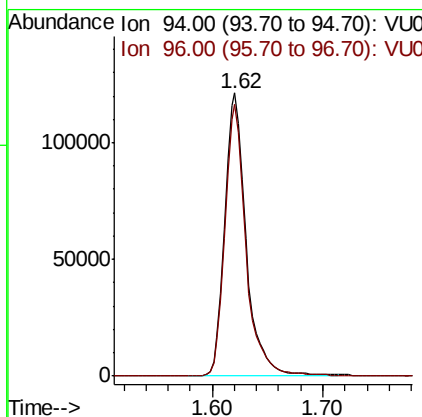
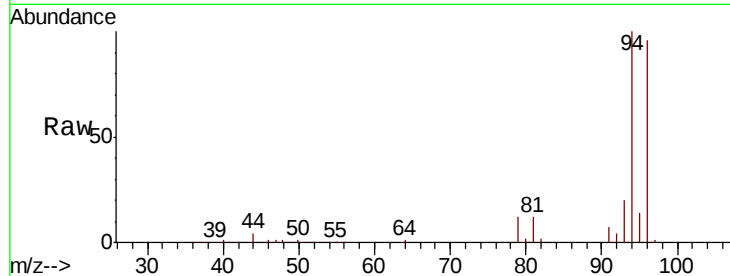
#5
Bromomethane
Concen: 12.247 ug/l
RT: 1.62 min Scan# 165
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Instrument :
MSVOA_U
ClientSampled :
VSTDIC015

Tgt Ion: 94 Resp: 164152
Ion Ratio Lower Upper
94 100
96 96.0 75.2 112.8

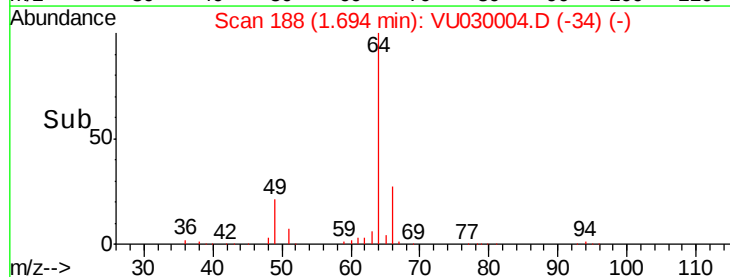
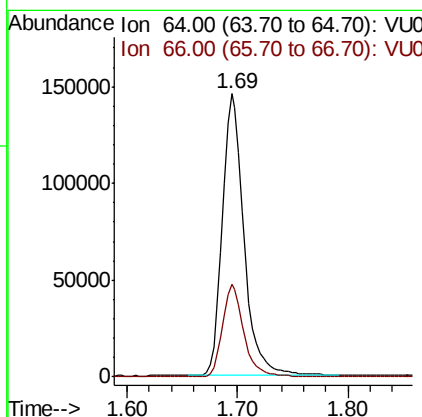
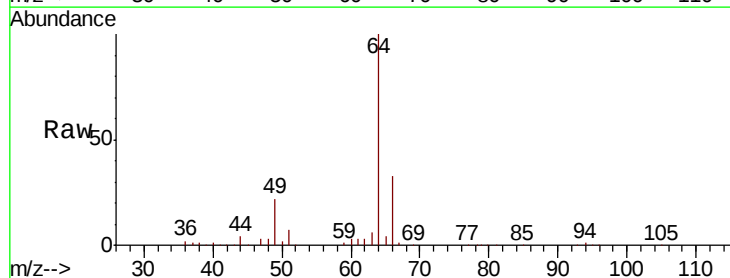
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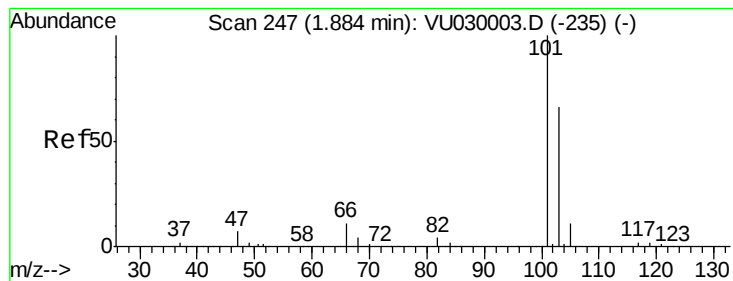
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#6
Chloroethane
Concen: 14.649 ug/l
RT: 1.69 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Tgt Ion: 64 Resp: 198339
Ion Ratio Lower Upper
64 100
66 32.9 25.8 38.6





#7

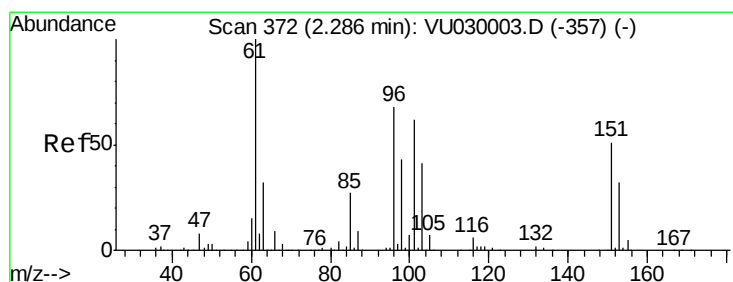
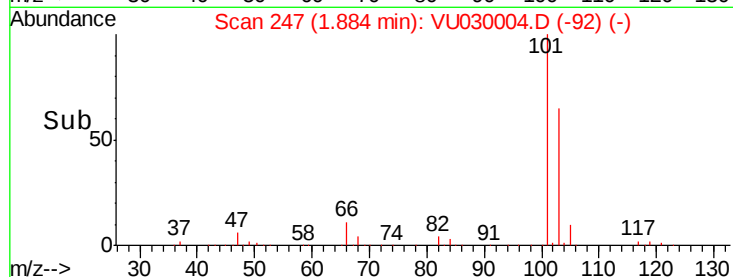
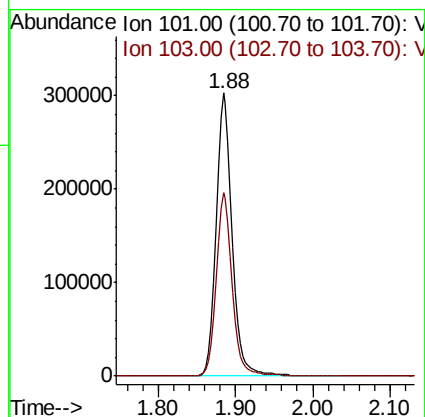
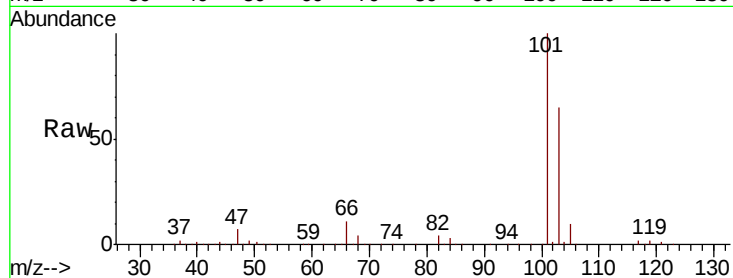
Trichlorofluoromethane
Concen: 14.780 ug/l
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion:101 Resp: 449624
Ion Ratio Lower Upper
101 100
103 64.8 52.6 79.0

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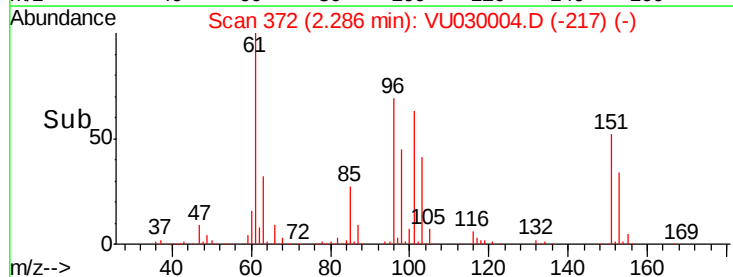
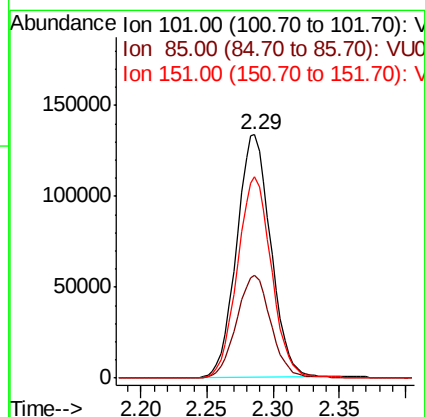
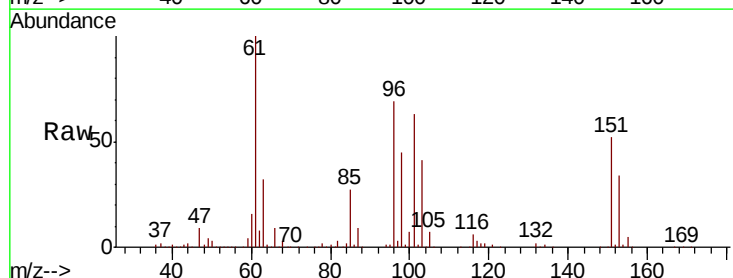
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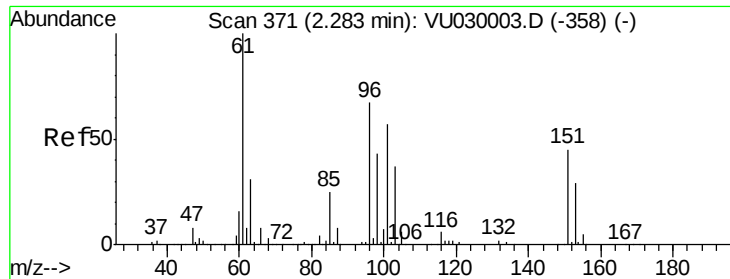


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 14.431 ug/l
RT: 2.29 min Scan# 372
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Tgt Ion:101 Resp: 238822
Ion Ratio Lower Upper
101 100
85 42.5 33.6 50.4
151 83.2 65.0 97.4





#9

1,1-Dichloroethene

Concen: 14.954 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030004.D

Acq: 12 Mar 2019 12:15

Instrument :

MSVOA_U

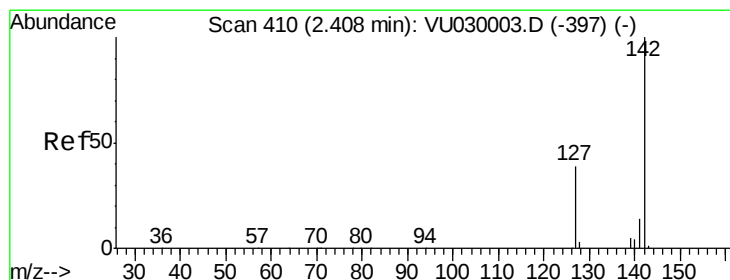
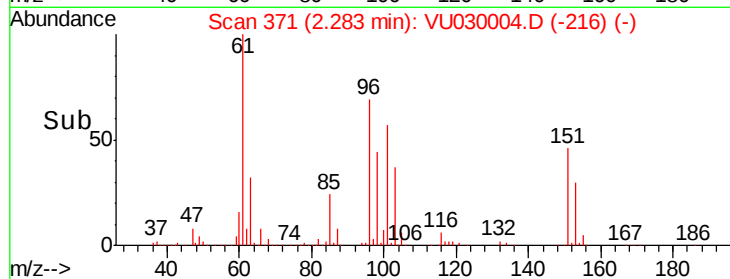
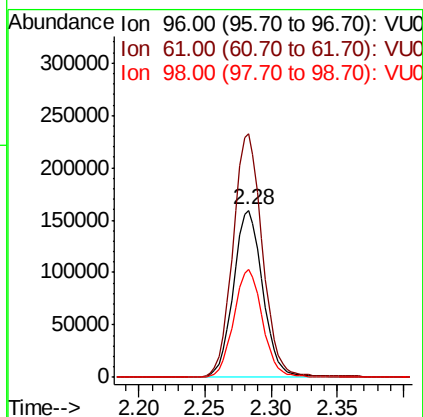
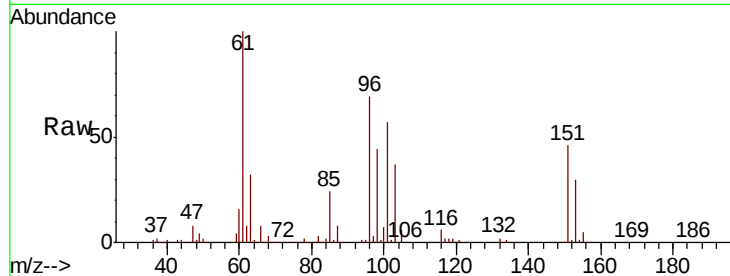
ClientSampleId :

VSTDIC015

Tgt Ion:	96	Resp:	245373
Ion Ratio	Lower	Upper	
96	100		
61	145.8	0.0	447.0
98	64.4	0.0	129.2

Manual Integrations
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#10

Iodomethane

Concen: 18.734 ug/l

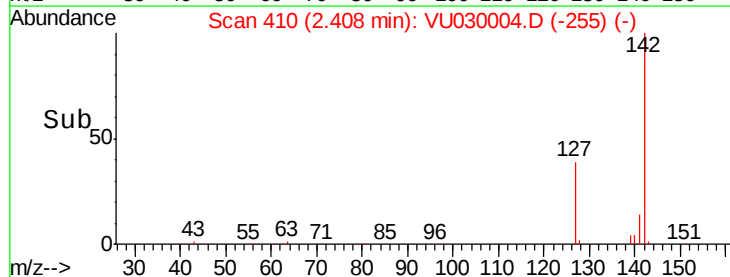
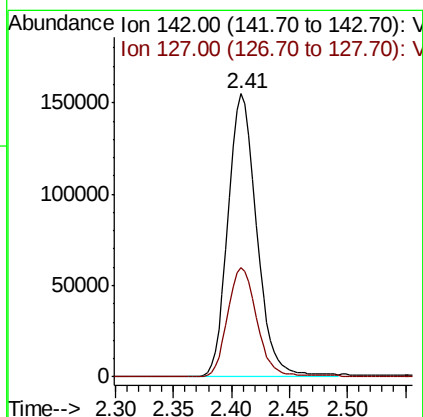
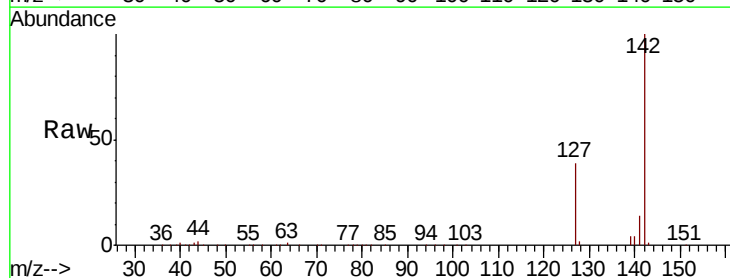
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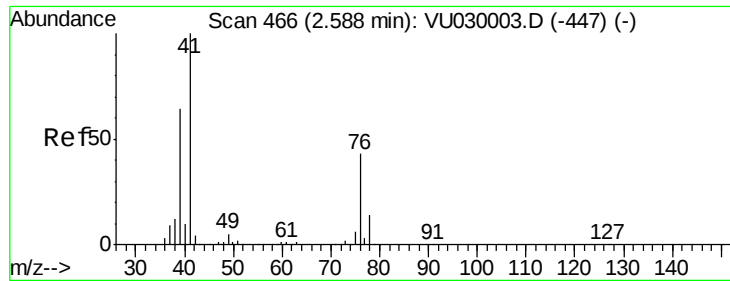
Delta R.T. -0.00 min

Lab File: VU030004.D

Acq: 12 Mar 2019 12:15

Tgt Ion:	142	Resp:	266341
Ion Ratio	Lower	Upper	
142	100		
127	39.2	32.2	48.4





#11

Allyl Chloride

Concen: 14.711 ug/l

RT: 2.59 min Scan# 466

Delta R.T. -0.00 min

Lab File: VU030004.D

Acq: 12 Mar 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 41 Resp: 341330

Ion Ratio Lower Upper

41 100

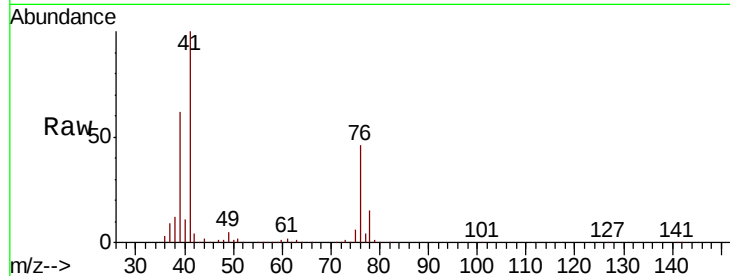
39 62.0 50.8 76.2

Manual Integrations

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3/13/2019 12:56:04 PM



Abundance Ion 41.00 (40.70 to 41.70): VU030003.D (-447) (-)

Ion 39.00 (38.70 to 39.70): VU030003.D (-447) (-)

200000

150000

100000

50000

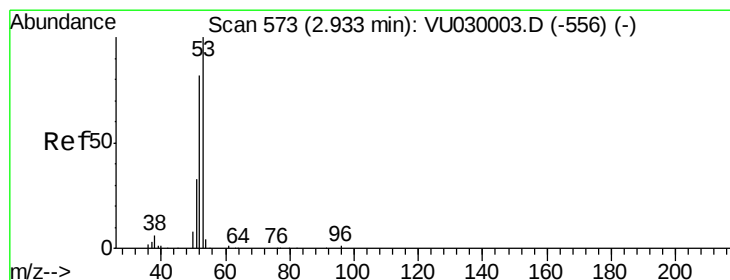
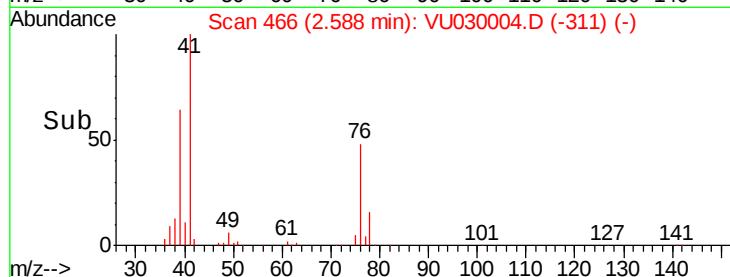
0

2.50

2.60

2.70

Time-->



#12

Acrylonitrile

Concen: 28.663 ug/l

RT: 2.93 min Scan# 573

Delta R.T. -0.00 min

Lab File: VU030004.D

Acq: 12 Mar 2019 12:15

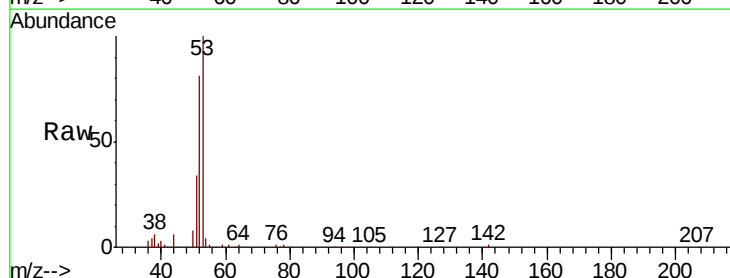
Tgt Ion: 53 Resp: 101862

Ion Ratio Lower Upper

53 100

52 83.0 66.3 99.5

51 35.2 26.9 40.3



Abundance Ion 53.00 (52.70 to 53.70): VU030003.D (-556) (-)

Ion 52.00 (51.70 to 52.70): VU030003.D (-556) (-)

Ion 51.00 (50.70 to 51.70): VU030003.D (-556) (-)

60000

40000

20000

0

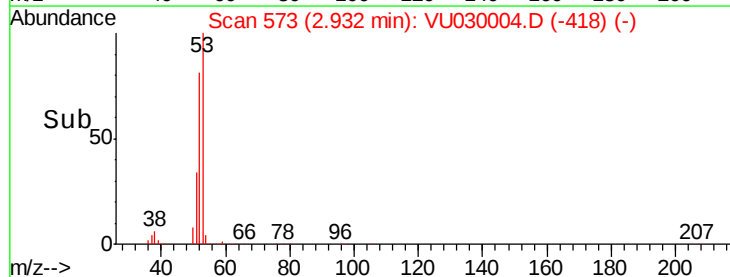
2.85

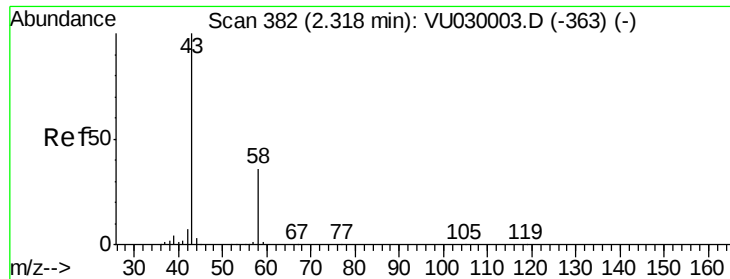
2.90

2.95

3.00

Time-->





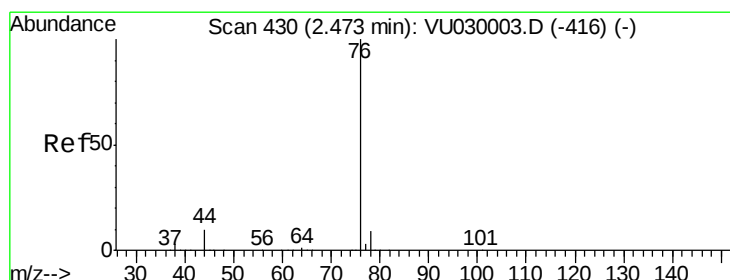
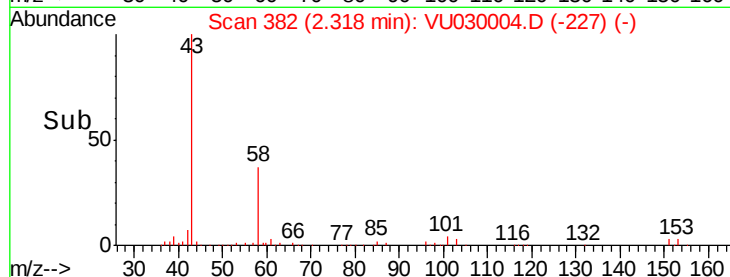
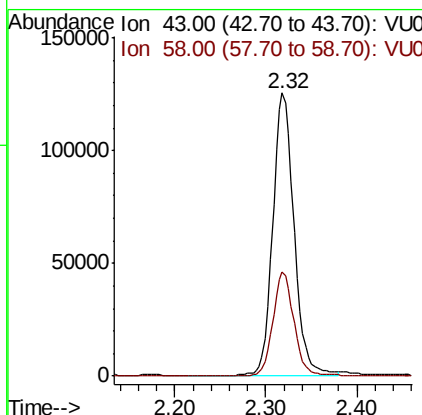
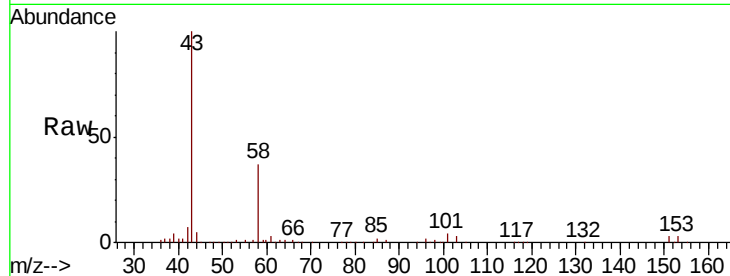
#13
Acetone
Concen: 66.438 ug/l
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 205547
Ion Ratio Lower Upper
43 100
58 36.6 28.6 43.0

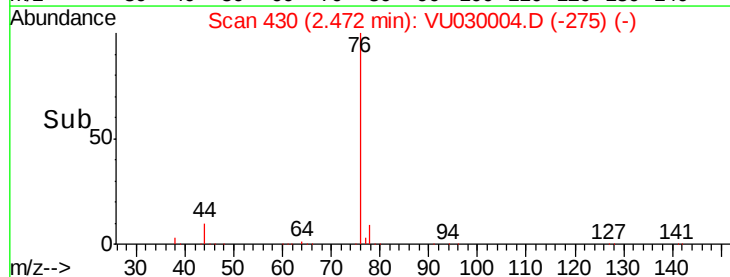
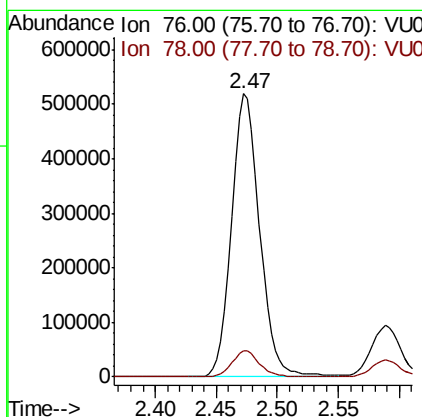
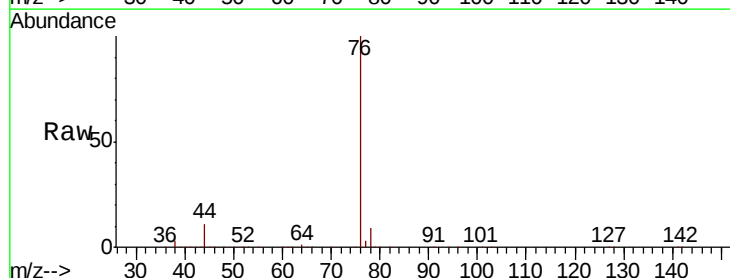
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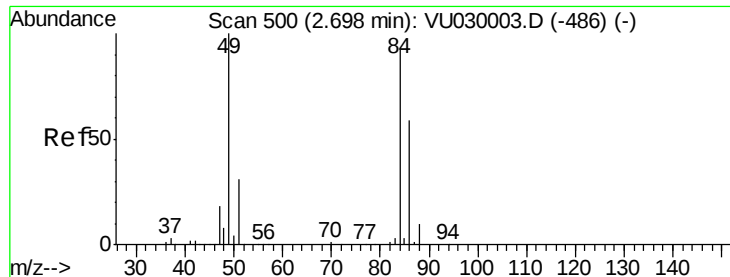
MMDadoda
3/13/2019 12:56:04 PM



#14
Carbon Disulfide
Concen: 14.621 ug/l
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Tgt Ion: 76 Resp: 835863
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2





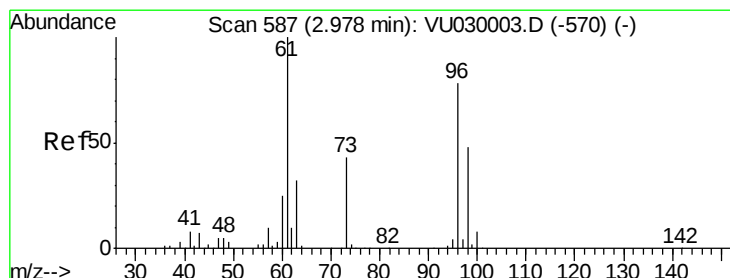
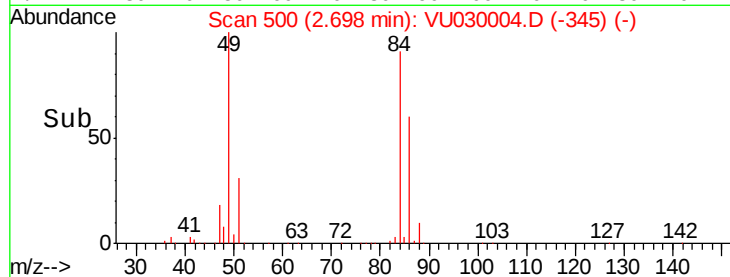
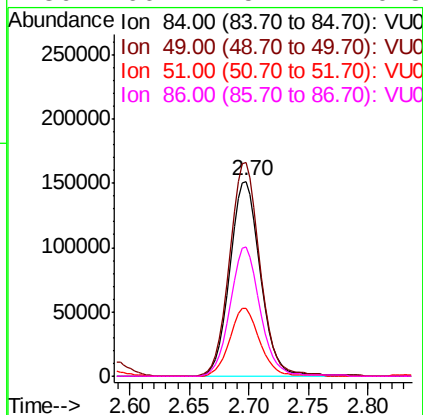
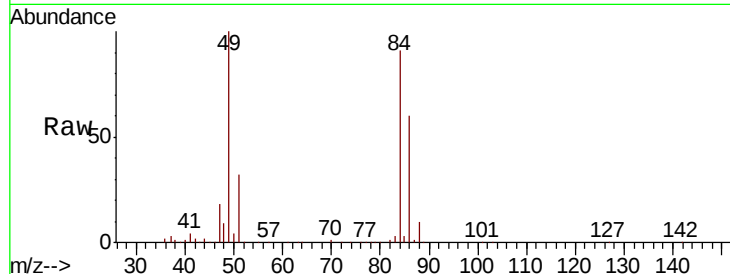
#15
Methylene Chloride
Concen: 13.838 ug/l
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.6	86.5	129.7
51	34.6	0.0	66.8
86	66.2	51.2	76.8

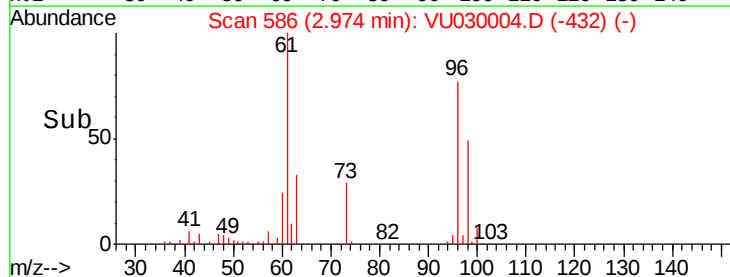
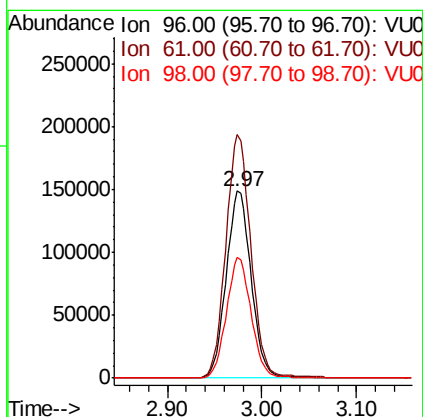
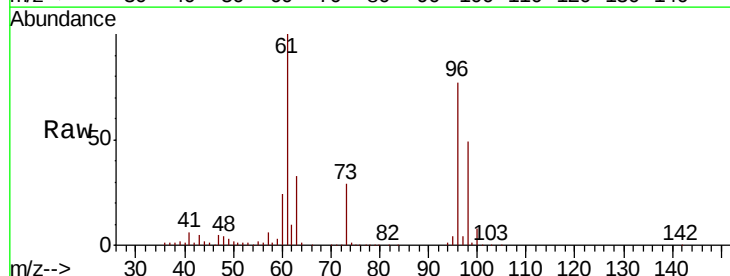
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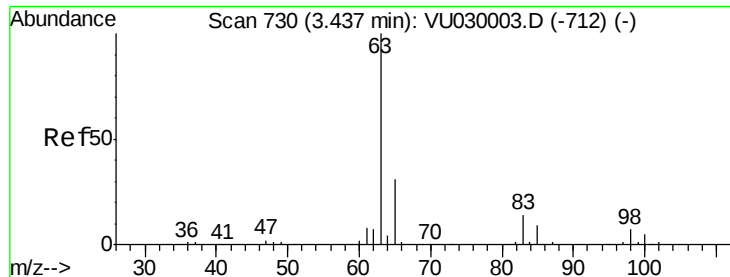
MMDadoda
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#16
trans-1,2-Dichloroethene
Concen: 14.457 ug/l
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.2	103.0	154.6
98	64.4	49.5	74.3





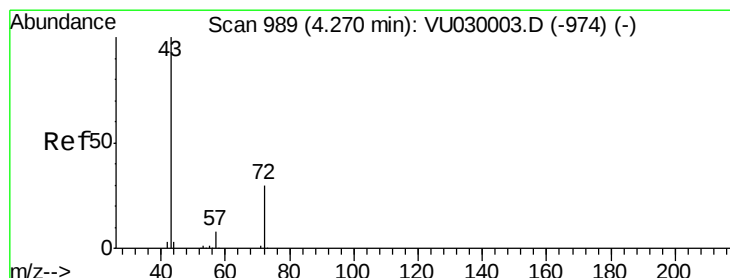
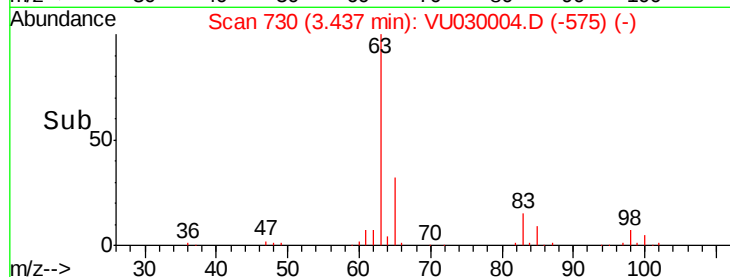
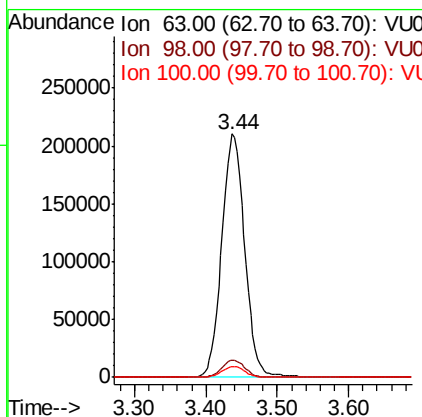
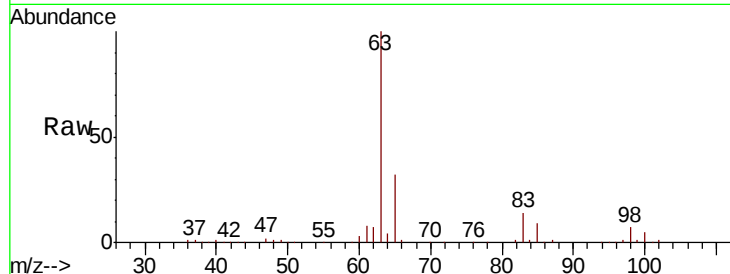
#17
 1,1-Dichloroethane
 Concen: 14.680 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU030004.D
 Acq: 12 Mar 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	4.6	2.3	6.8

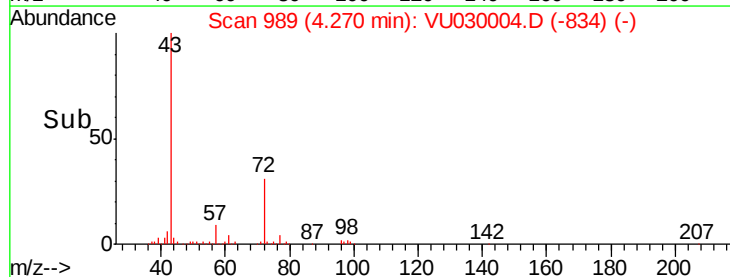
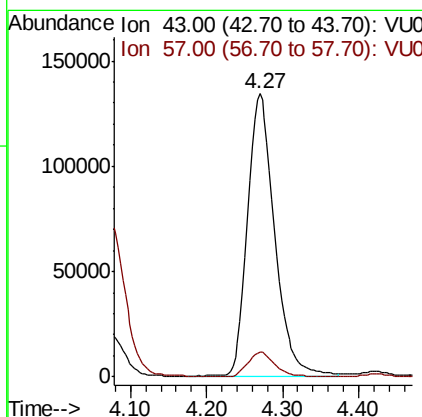
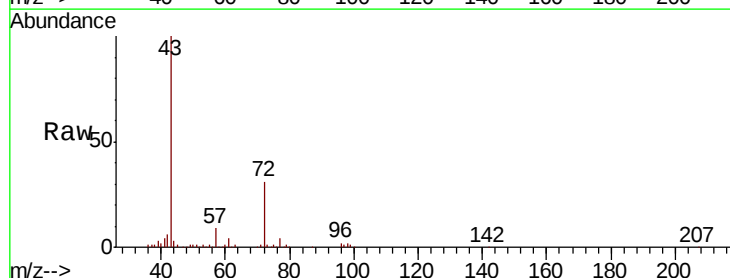
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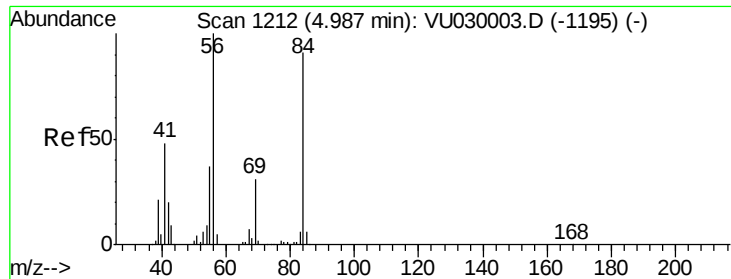
MMDadoda
 3/13/2019 12:56:04 PM



#18
 2-Butanone
 Concen: 77.825 ug/l
 RT: 4.27 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: VU030004.D
 Acq: 12 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.7	0.0	16.8





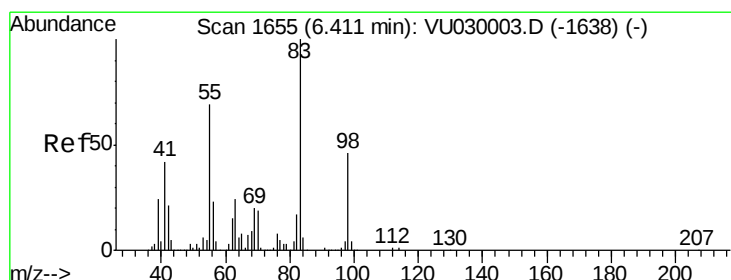
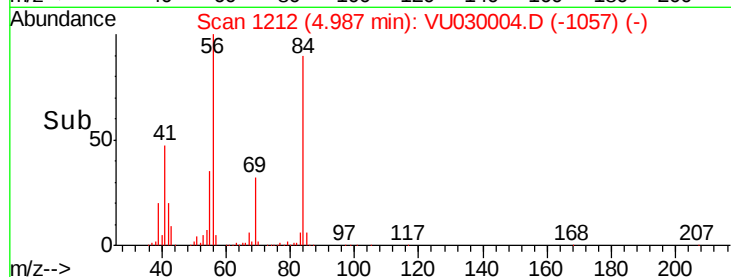
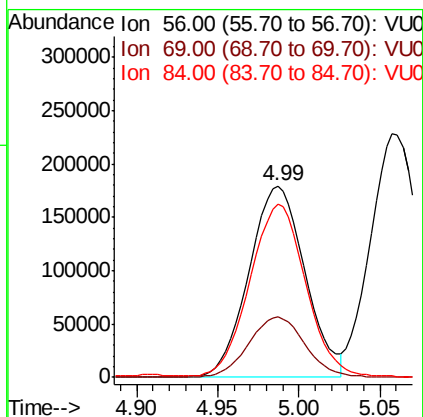
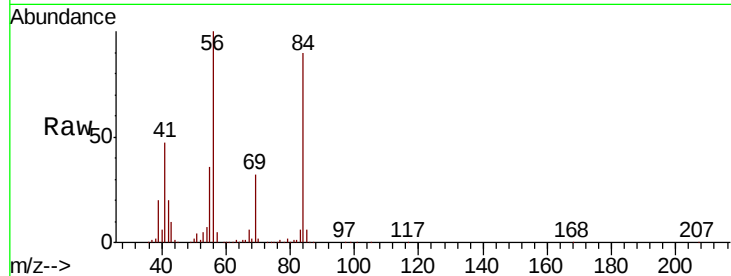
#19
Cyclohexane
Concen: 15.757 ug/l m
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.7	38.5
84	88.9	72.9	109.3

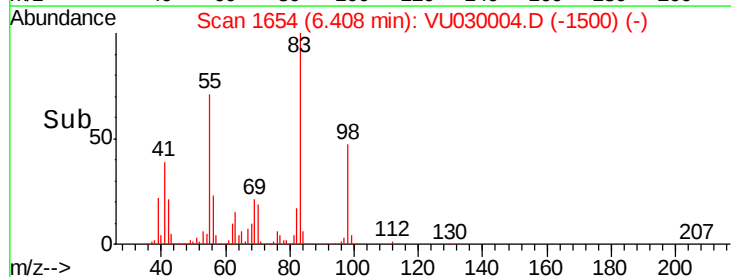
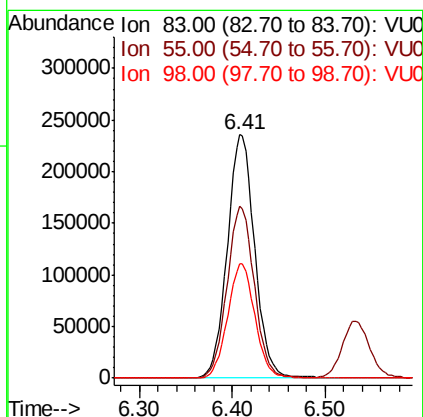
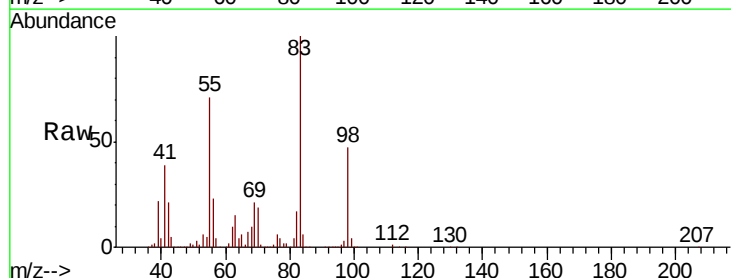
Manual Integrations
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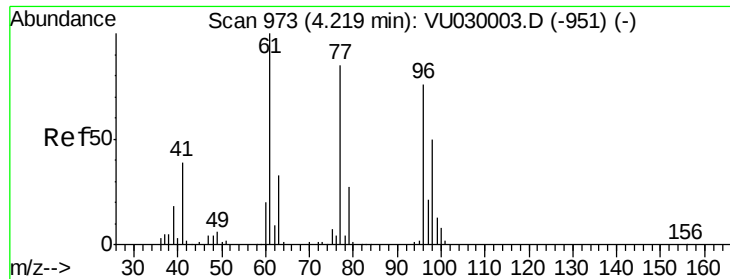
MMDadoda
3/13/2019 12:56:04 PM



#20
Methylcyclohexane
Concen: 15.826 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.0	55.6	83.4
98	46.8	37.4	56.0





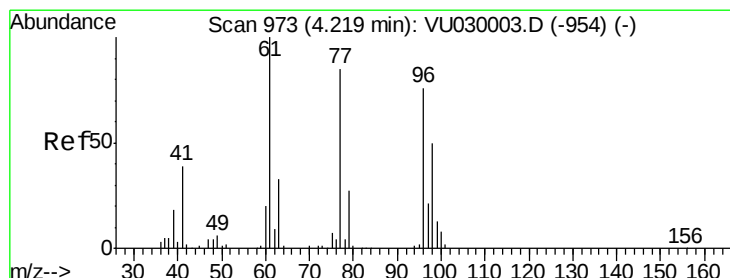
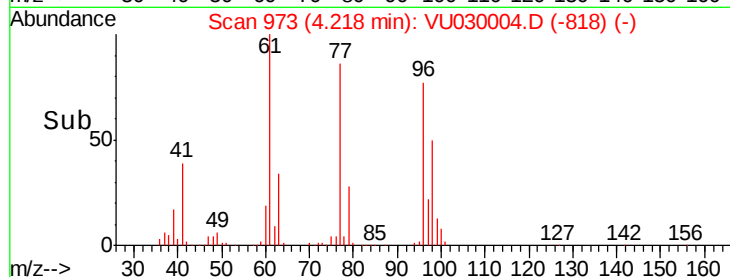
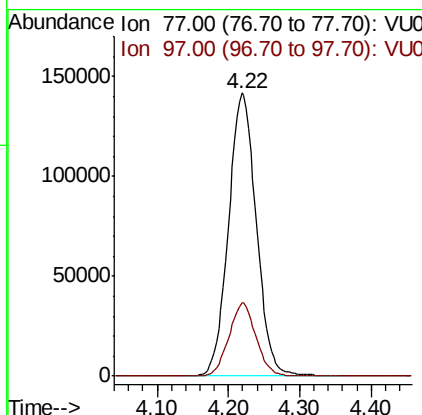
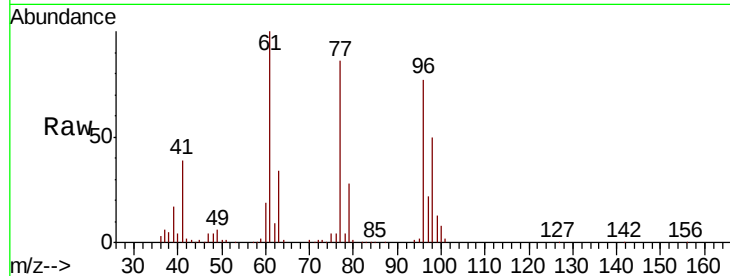
#21
 2,2-Dichloropropane
 Concen: 14.306 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU030004.D
 Acq: 12 Mar 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion	Ratio	Lower	Upper
77	100		
97	25.2	20.2	30.4

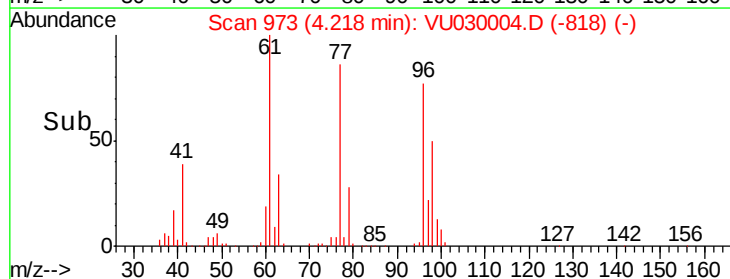
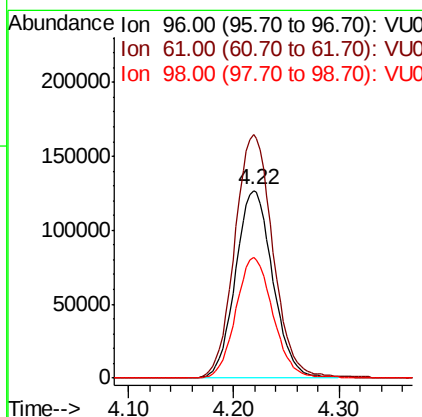
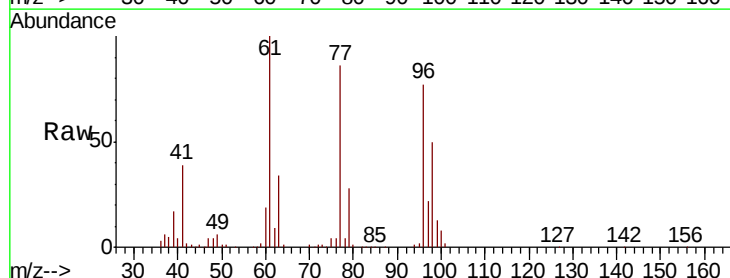
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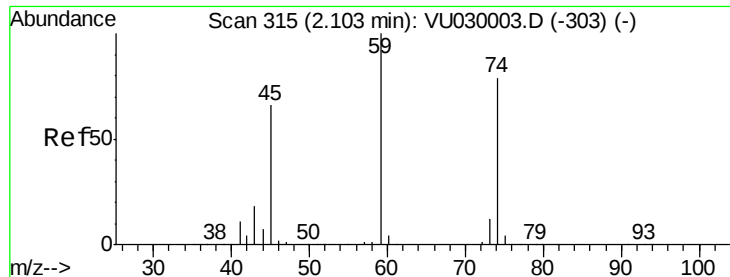
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#22
 cis-1,2-Dichloroethene
 Concen: 14.815 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU030004.D
 Acq: 12 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.5	0.0	335.8
98	64.2	32.6	97.7





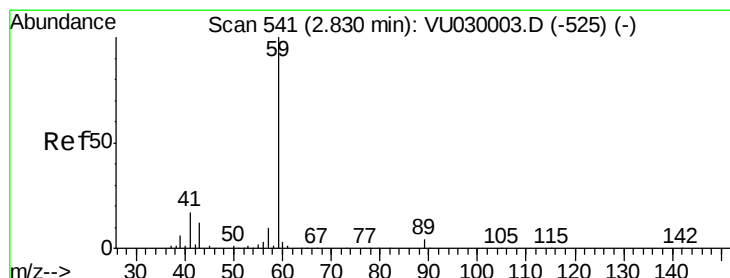
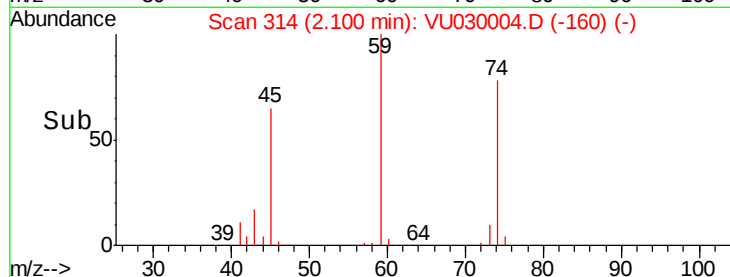
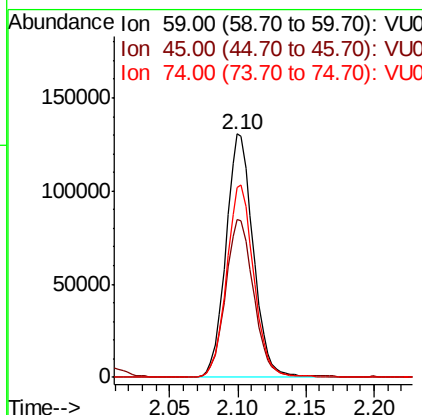
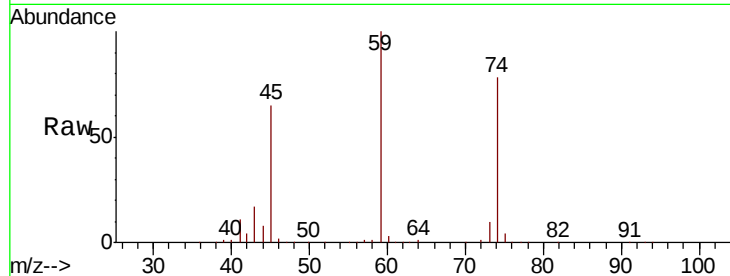
#23
Diethyl Ether
Concen: 14.904 ug/l
RT: 2.10 min Scan# 314
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion	Ratio	Lower	Upper
59	100		
45	66.5	52.3	78.5
74	77.9	61.1	91.7

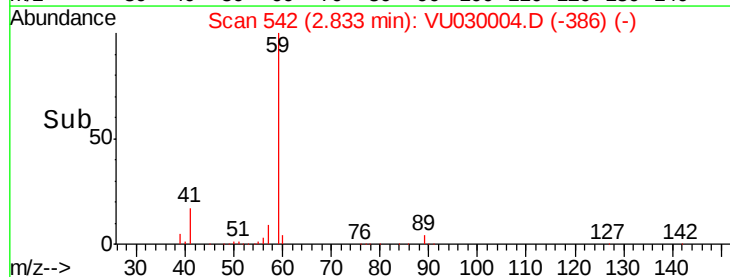
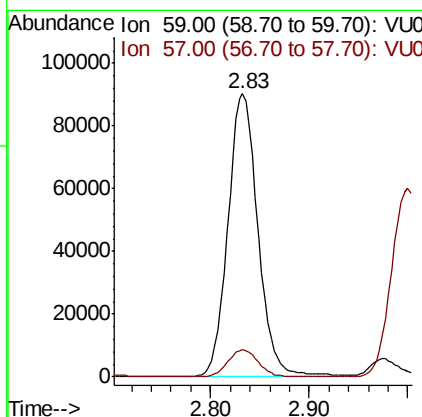
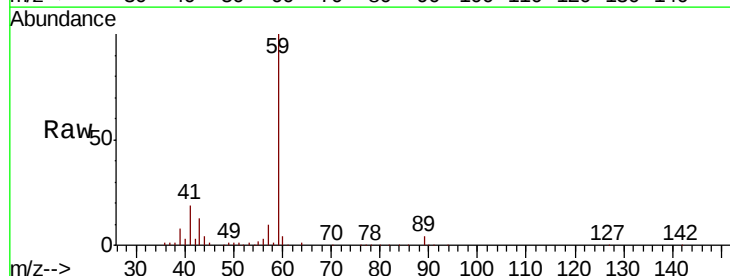
Manual Integrations
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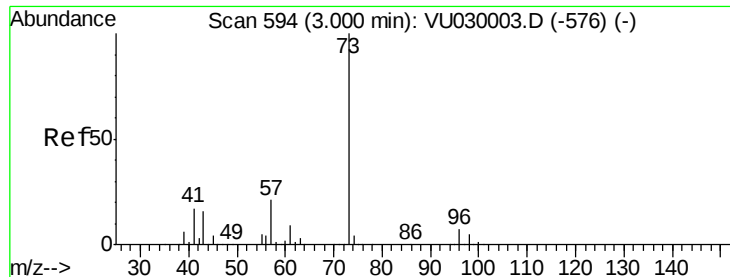
MMDadoda
3/13/2019 12:56:04 PM



#24
tert-Butyl Alcohol
Concen: 146.416 ug/l
RT: 2.83 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.7	11.5





#25

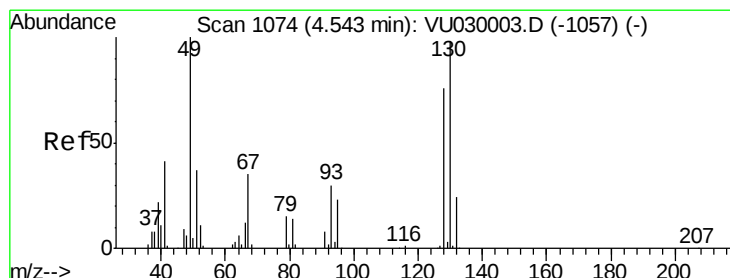
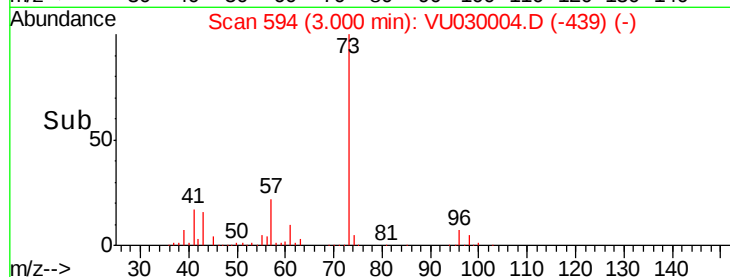
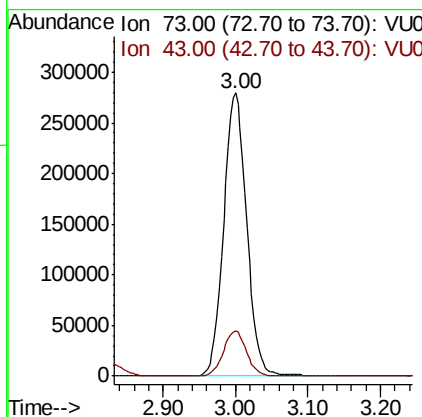
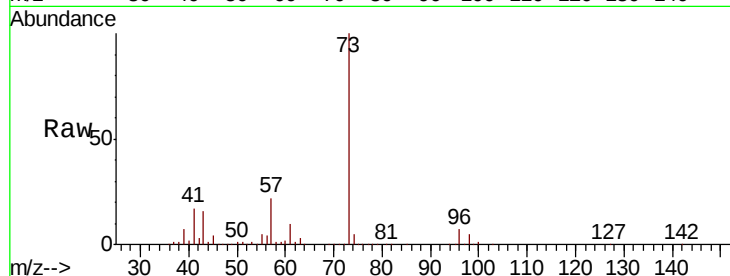
Methyl tert-Butyl Ether
Concen: 14.838 ug/l
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion: 73 Resp: 614864
Ion Ratio Lower Upper
73 100
43 16.0 13.1 19.7

Manual Integrations
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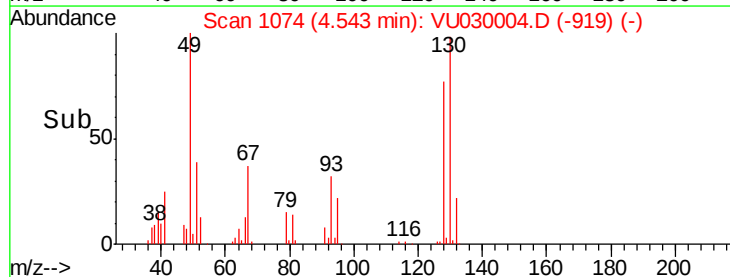
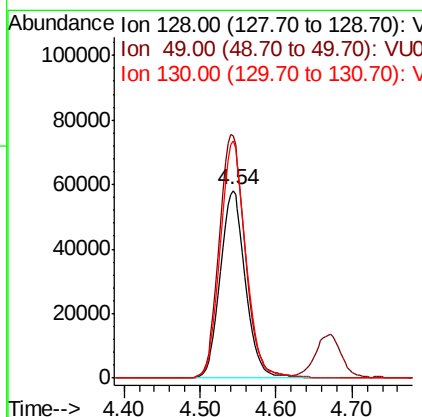
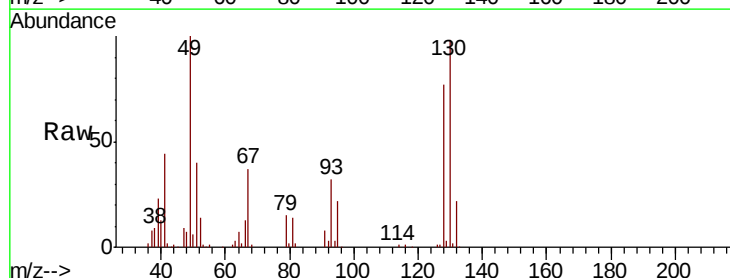
MMDadoda
3/13/2019 12:56:04 PM

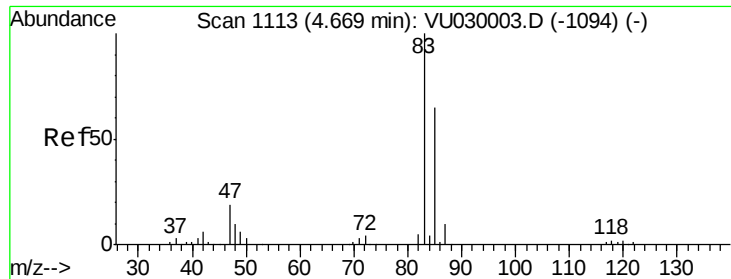


#26

Bromochloromethane
Concen: 14.554 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Tgt Ion: 128 Resp: 134120
Ion Ratio Lower Upper
128 100
49 133.7 0.0 270.4
130 127.9 102.6 153.8





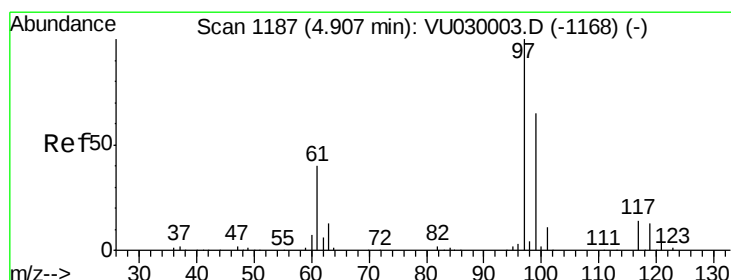
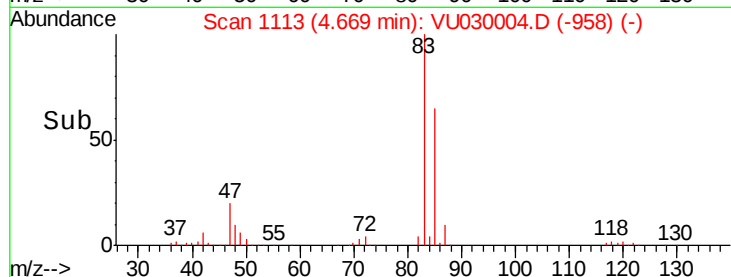
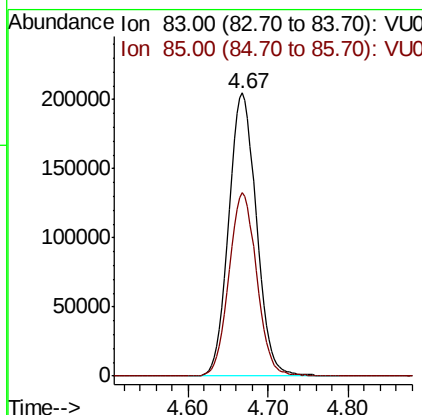
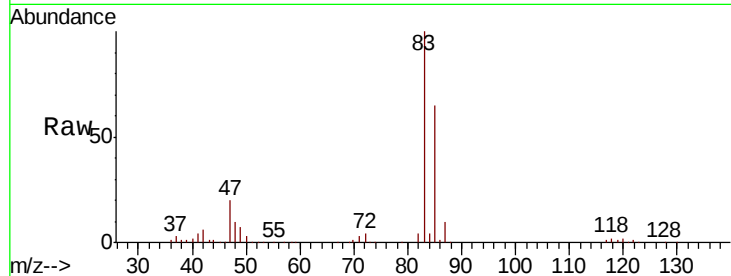
#27
Chloroform
Concen: 14.298 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	481866		
85	64.8	0.0	129.0	

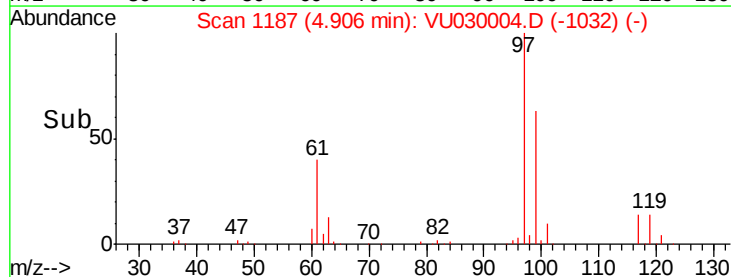
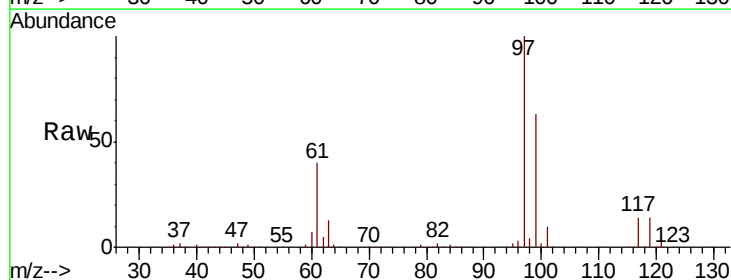
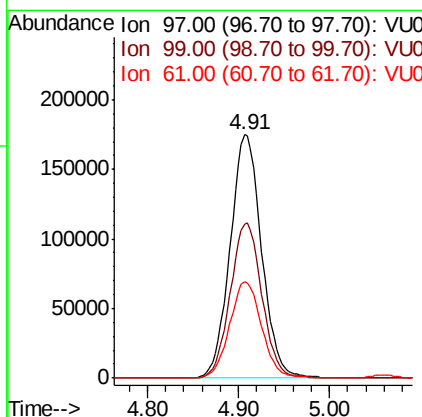
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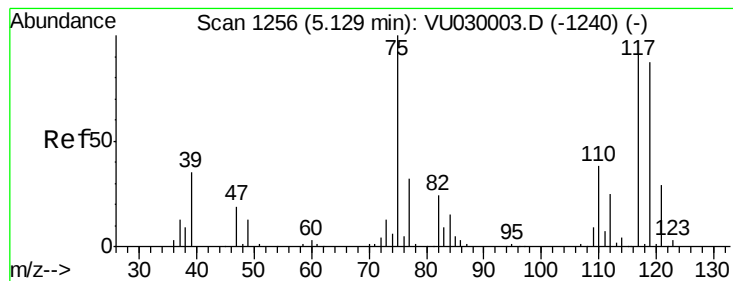
MMDadoda
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#28
1,1,1-Trichloroethane
Concen: 15.122 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	419337		
99	64.4	32.4	97.0	
61	40.4	20.4	61.2	





#29

1,1-Dichloropropene

Concen: 15.034 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU030004.D

Acq: 12 Mar 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 75 Resp: 379533
Ion Ratio Lower Upper

75 100

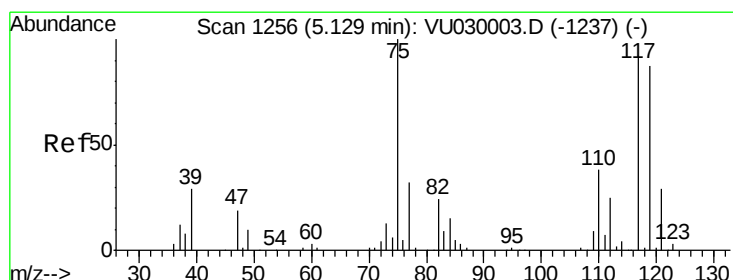
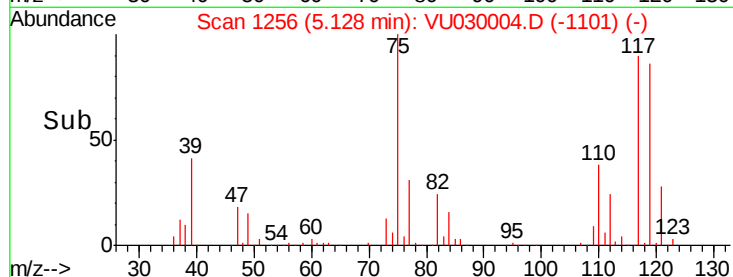
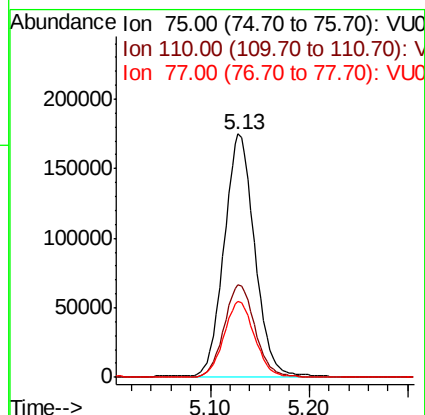
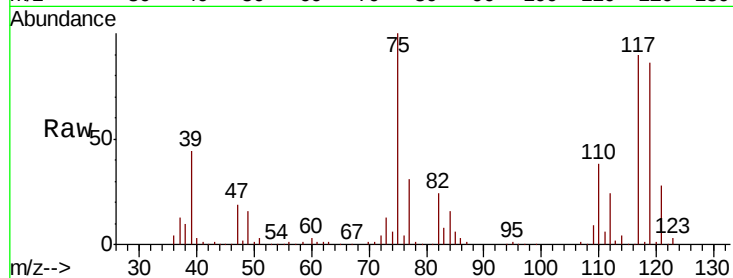
110 38.5 19.1 57.3

77 31.7 25.2 37.8

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#30

Carbon Tetrachloride

Concen: 15.082 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU030004.D

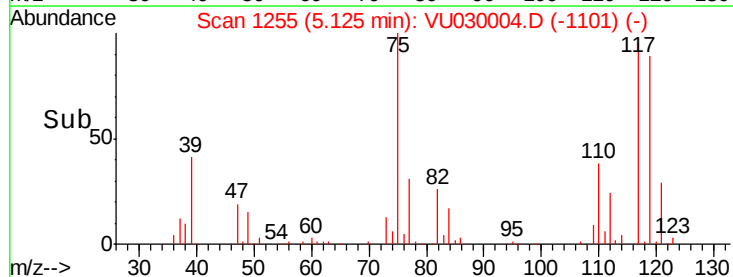
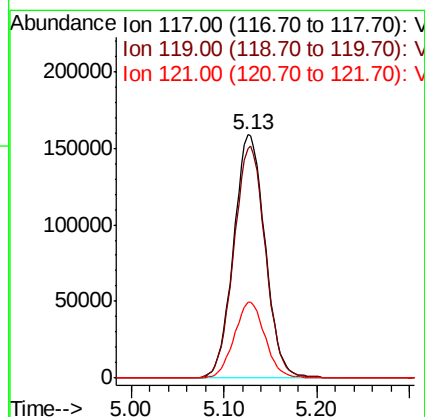
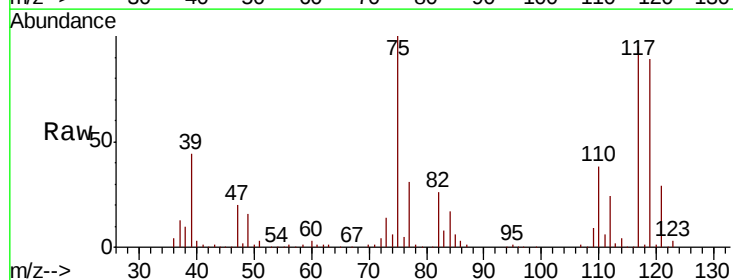
Acq: 12 Mar 2019 12:15

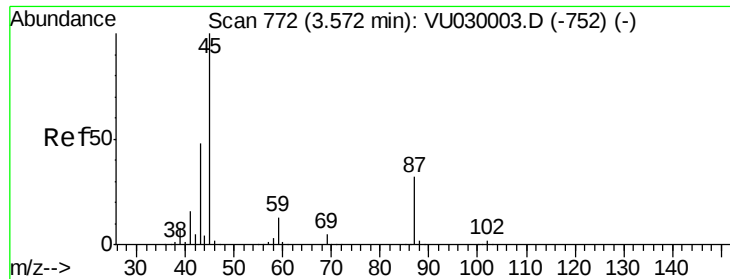
Tgt Ion: 117 Resp: 373882
Ion Ratio Lower Upper

117 100

119 94.2 76.3 114.5

121 31.1 25.1 37.7





#31

Isopropyl Ether

Concen: 15.189 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU030004.D

Acq: 12 Mar 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 45 Resp: 684705

Ion Ratio Lower Upper

45 100

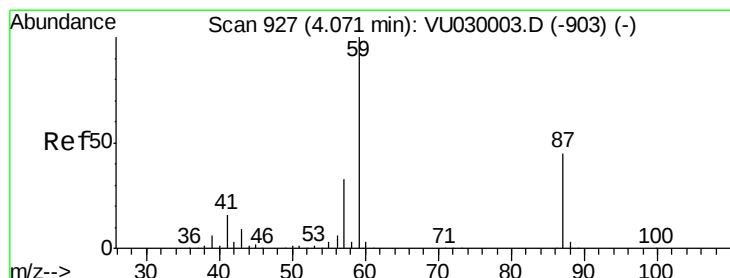
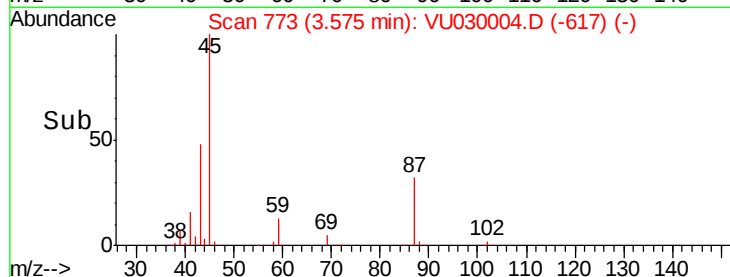
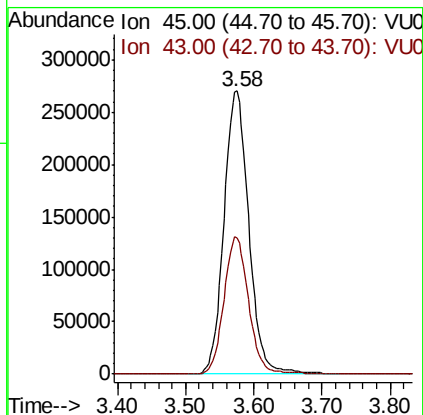
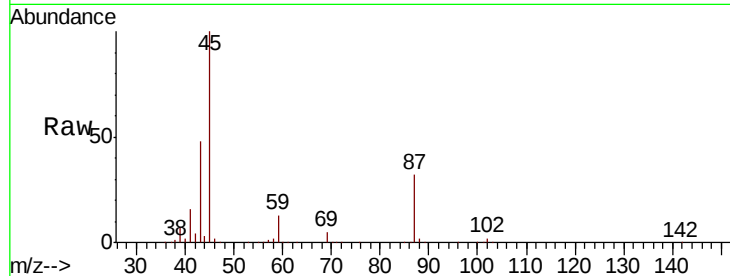
43 48.2 24.5 73.5

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 15.476 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU030004.D

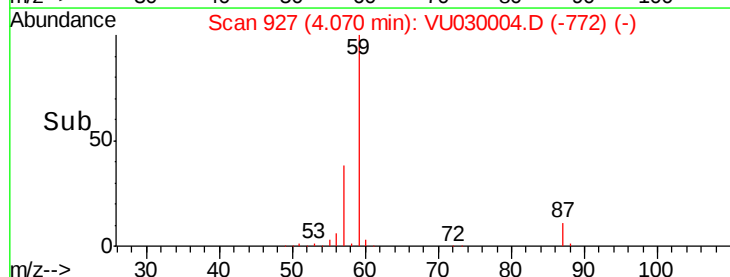
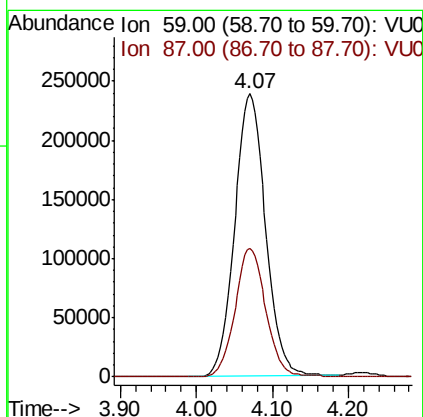
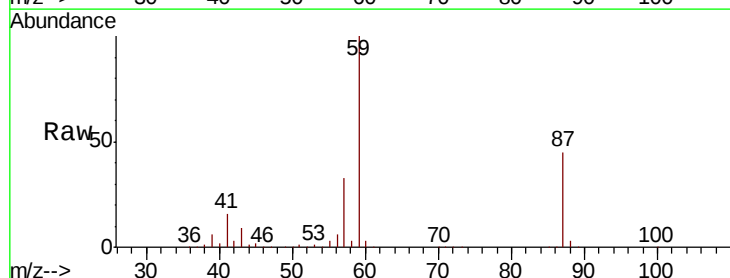
Acq: 12 Mar 2019 12:15

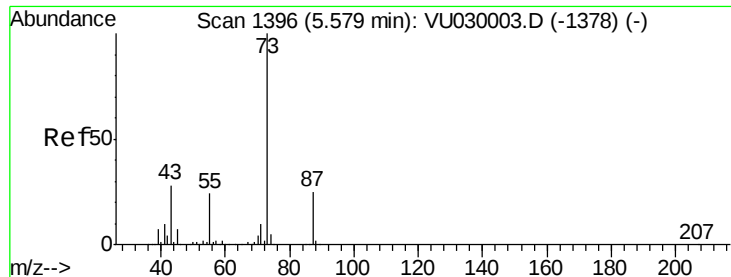
Tgt Ion: 59 Resp: 672165

Ion Ratio Lower Upper

59 100

87 45.3 36.2 54.4





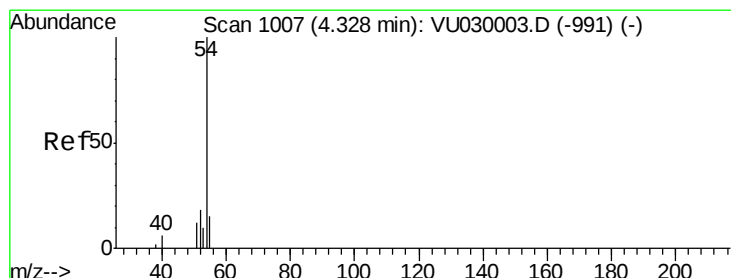
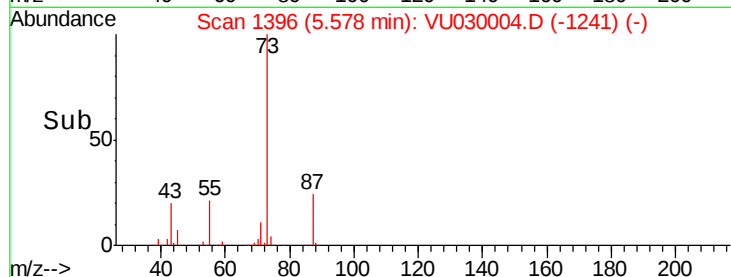
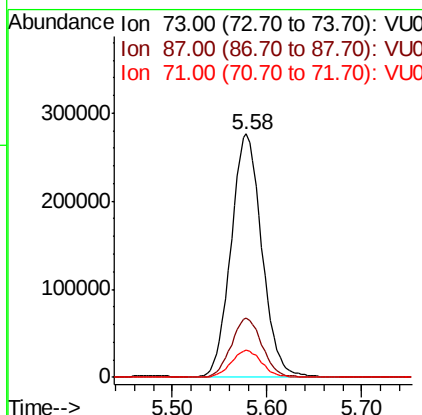
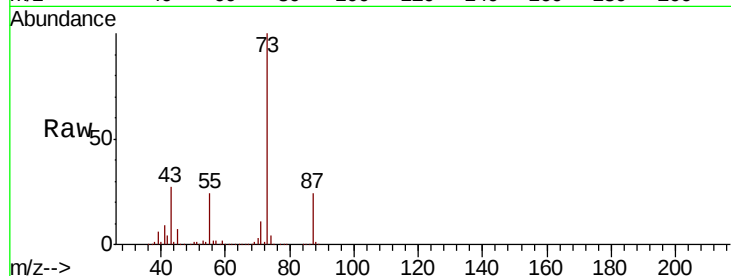
#33
Tert-Amyl methyl ether
Concen: 15.693 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion	Ratio	Lower	Upper
73	100		
87	24.3	19.7	29.5
71	11.2	8.6	13.0

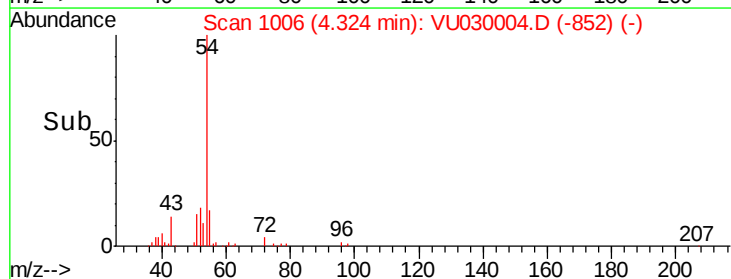
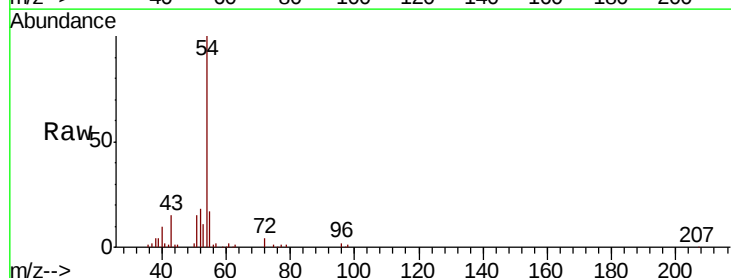
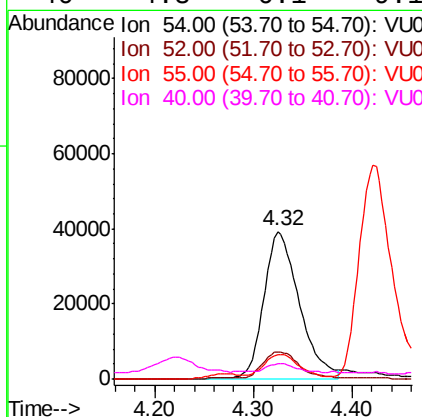
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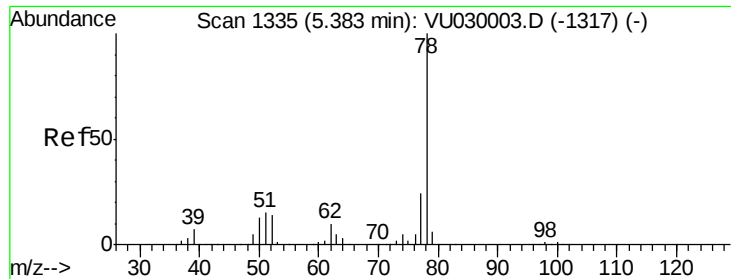
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#34
Propionitrile
Concen: 80.714 ug/l
RT: 4.32 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.6	15.8	23.6
55	16.8	12.5	18.7
40	4.8	6.1	9.1





#35

Benzene

Concen: 14.894 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU030004.D

Acq: 12 Mar 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 78 Resp: 1100082

Ion Ratio Lower Upper

78 100

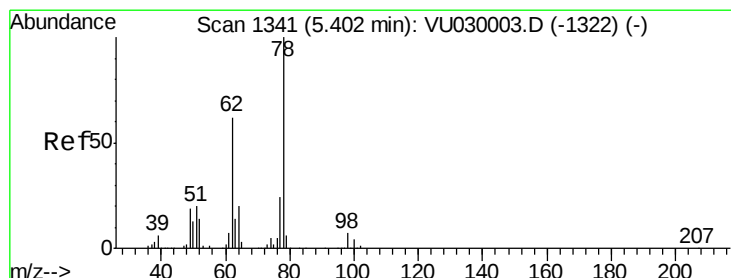
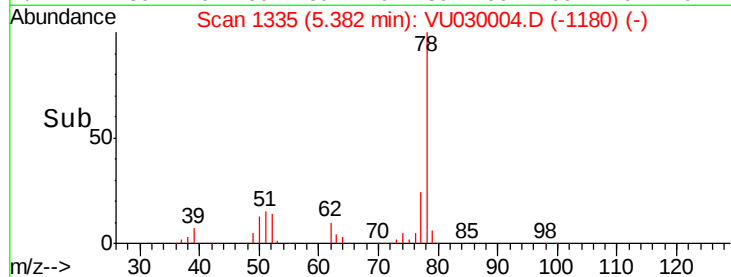
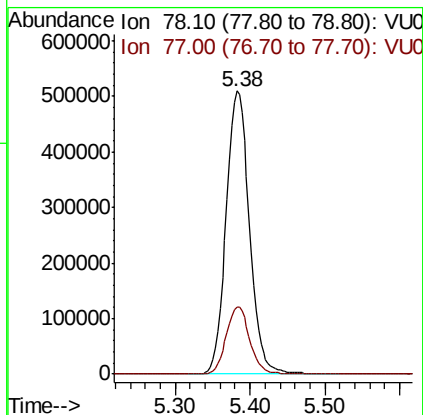
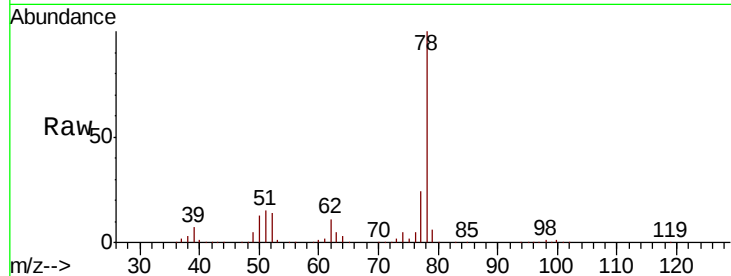
77 23.7 18.9 28.3

Manual Integrations

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#36

1,2-Dichloroethane

Concen: 14.508 ug/l

RT: 5.40 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VU030004.D

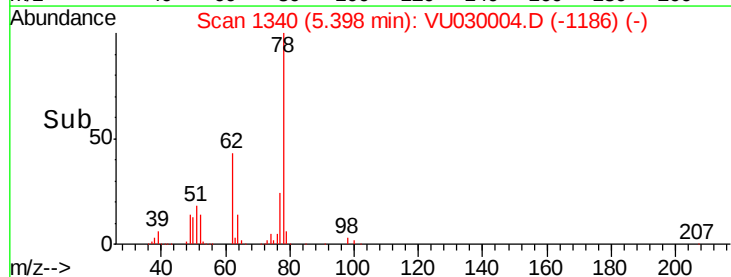
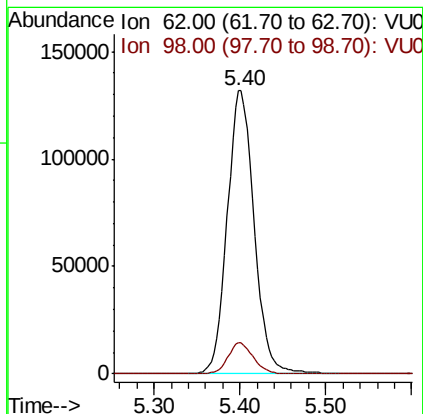
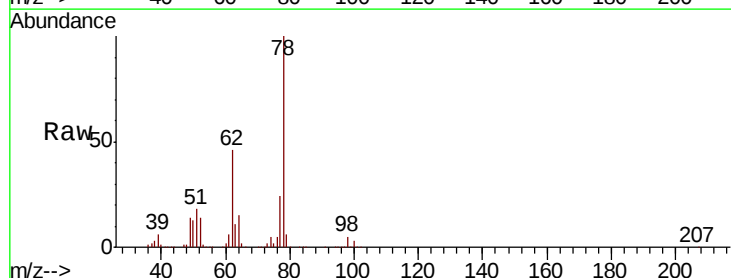
Acq: 12 Mar 2019 12:15

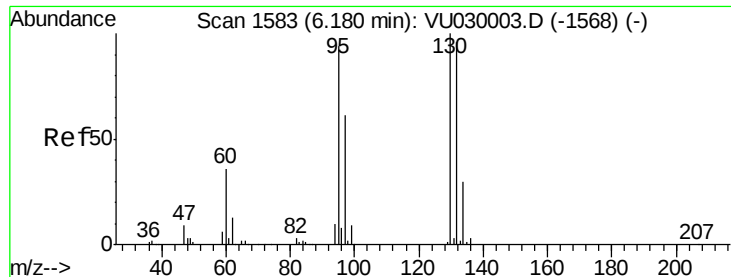
Tgt Ion: 62 Resp: 286517

Ion Ratio Lower Upper

62 100

98 10.4 8.4 12.6





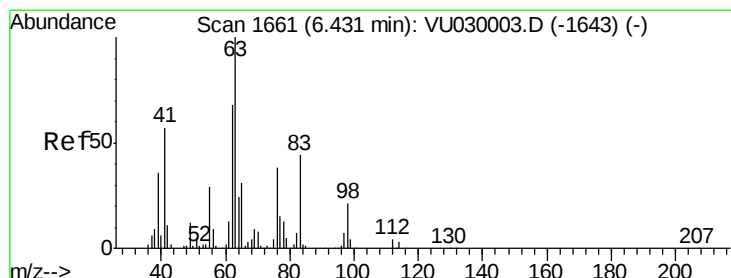
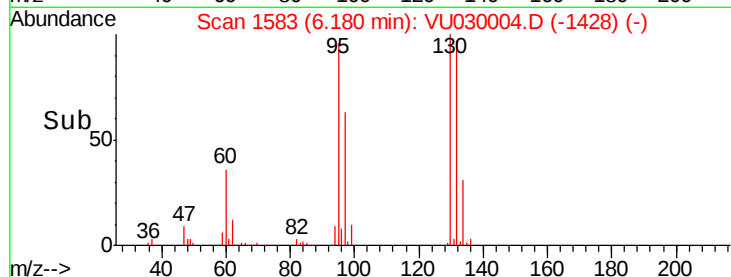
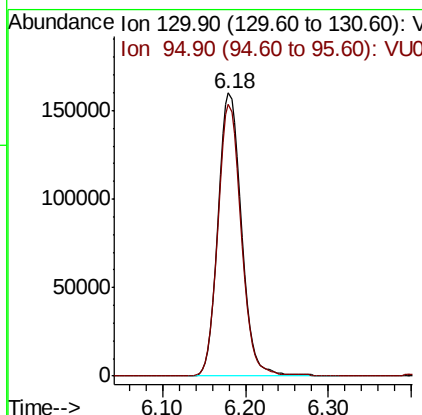
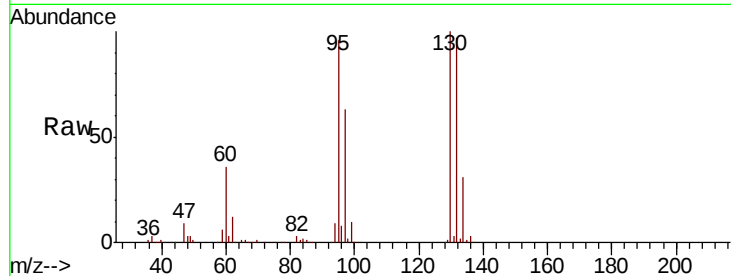
#37
 Trichloroethene
 Concen: 14.682 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU030004.D
 Acq: 12 Mar 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion: 130 Resp: 312335
 Ion Ratio Lower Upper
 130 100
 95 96.0 75.2 112.8

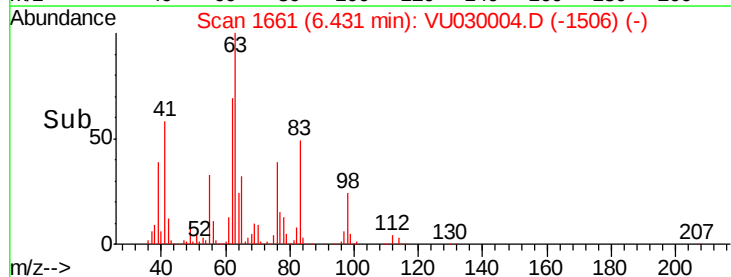
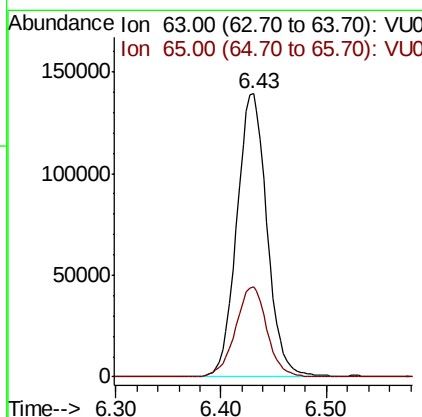
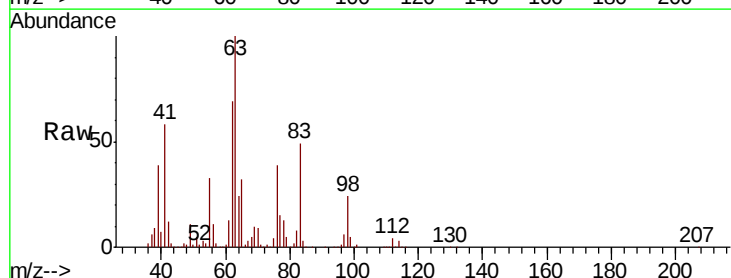
Manual Integrations
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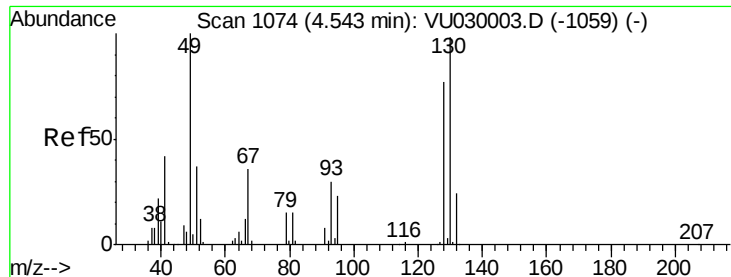
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#38
 1,2-Dichloropropane
 Concen: 14.744 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VU030004.D
 Acq: 12 Mar 2019 12:15

Tgt Ion: 63 Resp: 276821
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.9 37.3





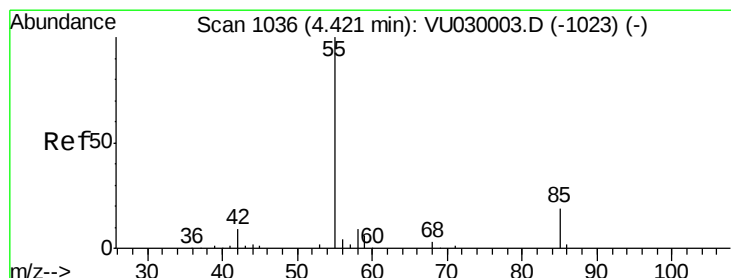
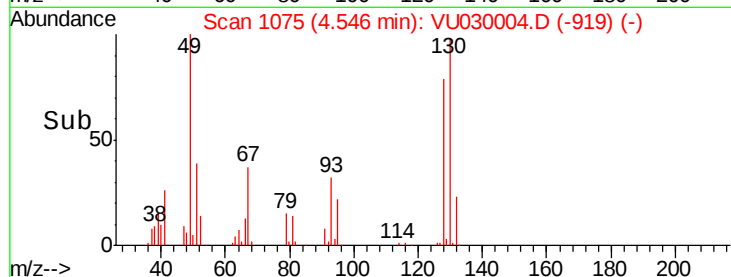
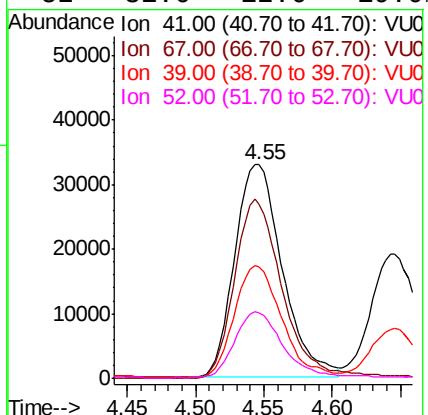
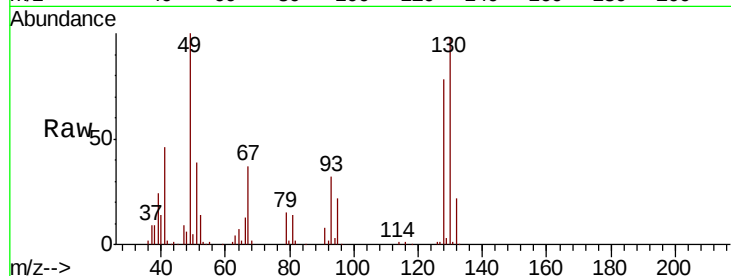
#39
Methacrylonitrile
Concen: 15.377 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion	Ratio	Lower	Upper
41	100		
67	85.0	71.4	107.0
39	52.2	41.9	62.9
52	31.6	12.6	19.0

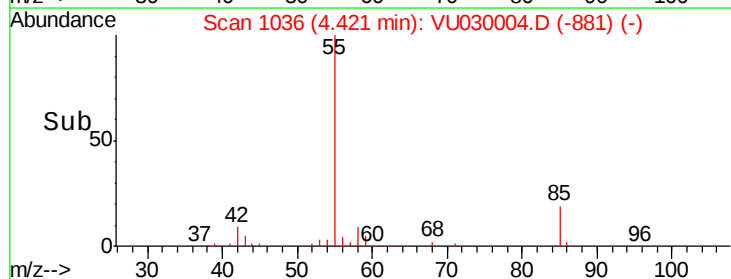
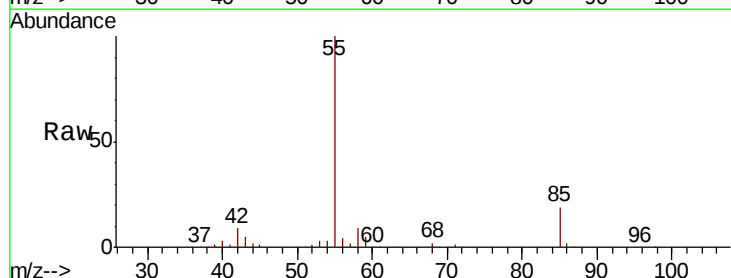
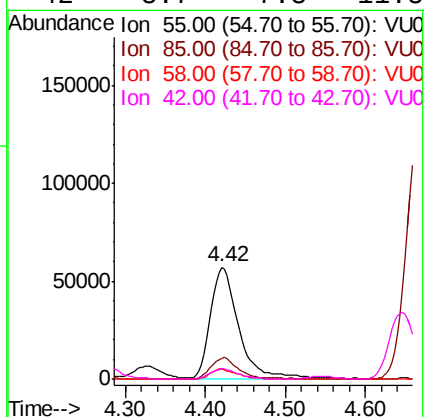
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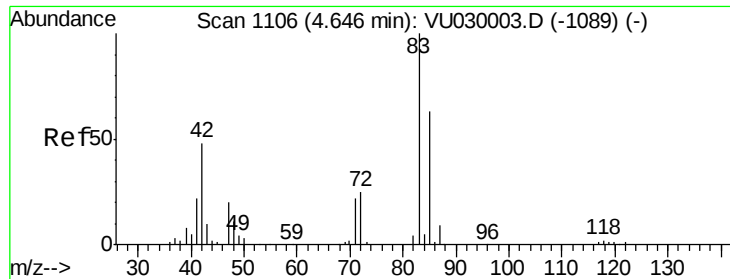
MMDadoda
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#40
Methyl acrylate
Concen: 16.874 ug/l
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
55	100		
85	18.4	16.2	24.2
58	8.4	7.0	10.6
42	8.7	7.8	11.8





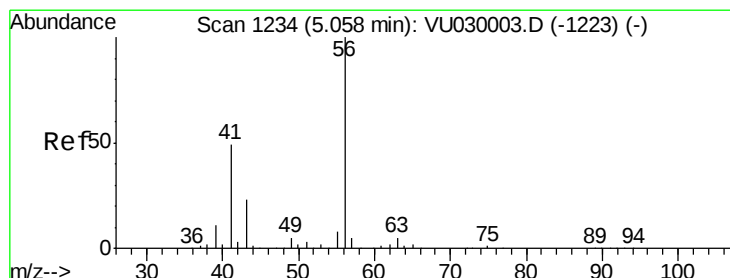
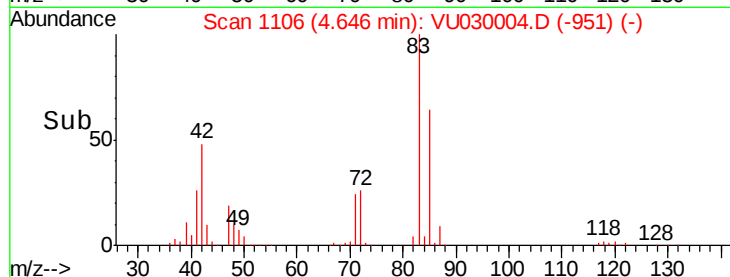
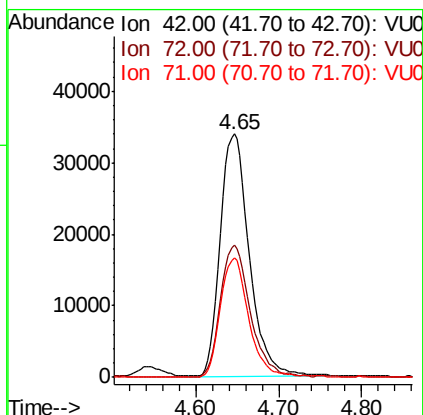
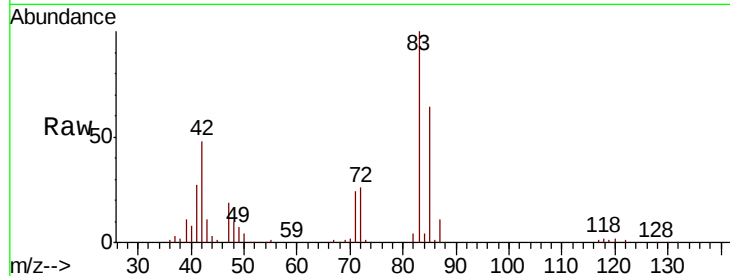
#41
Tetrahydrofuran
Concen: 28.648 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion	Ratio	Lower	Upper
42	100		
72	55.9	44.9	67.3
71	47.9	37.8	56.8

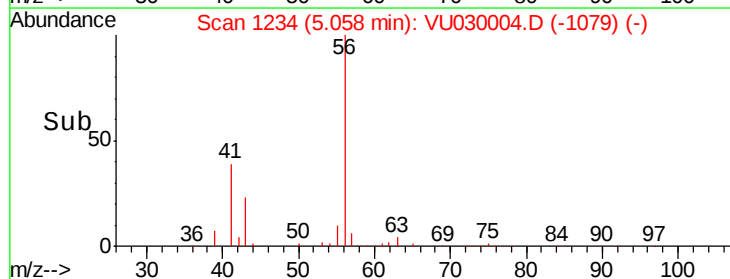
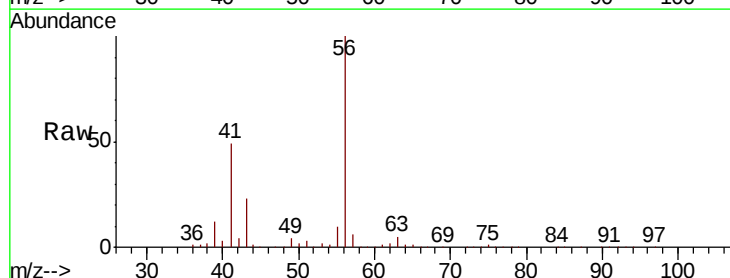
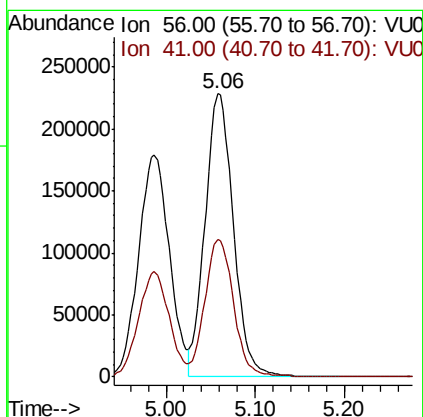
Manual Integrations
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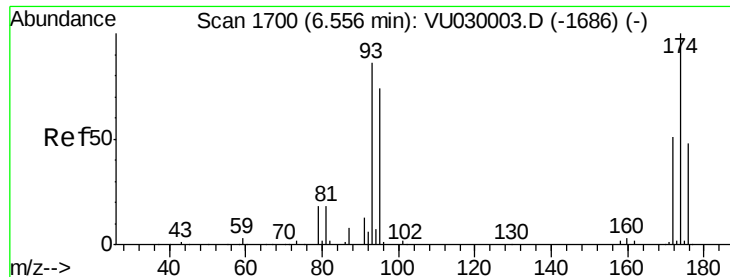
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#42
1-Chlorobutane
Concen: 15.198 ug/l
RT: 5.06 min Scan# 1234
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
56	100		
41	49.2	24.7	74.1





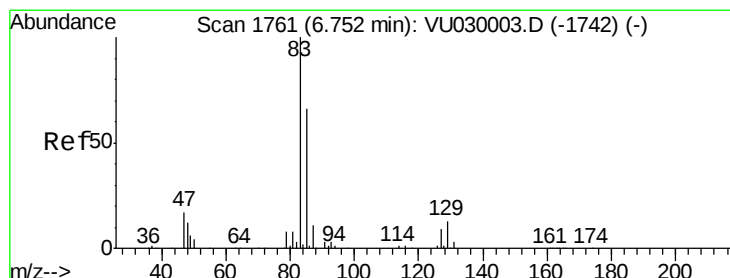
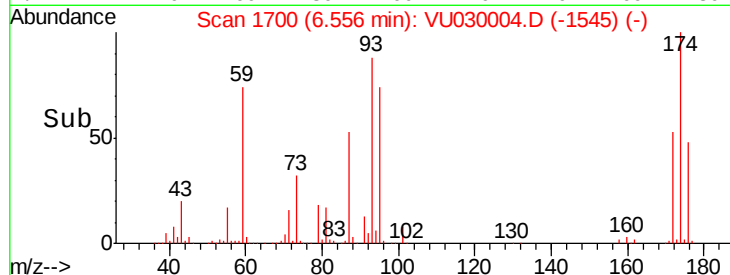
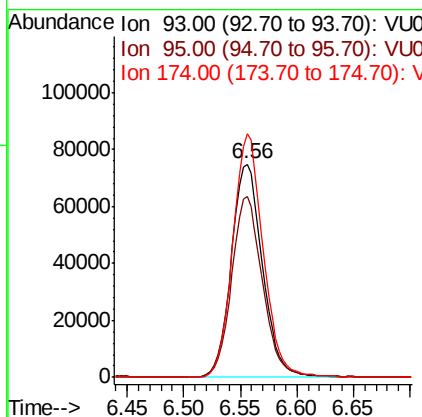
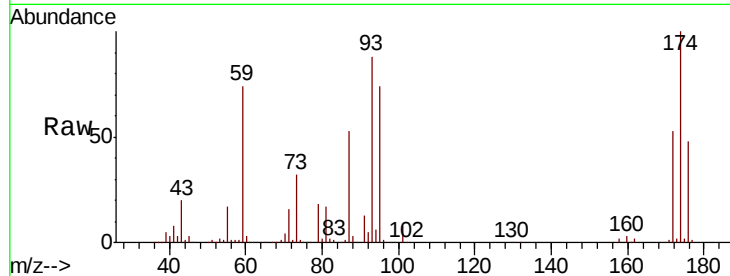
#43
Dibromomethane
Concen: 14.802 ug/l
RT: 6.56 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	68.6	102.8
174	111.6	91.8	137.8

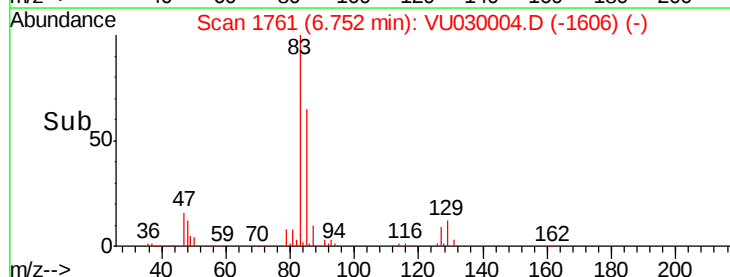
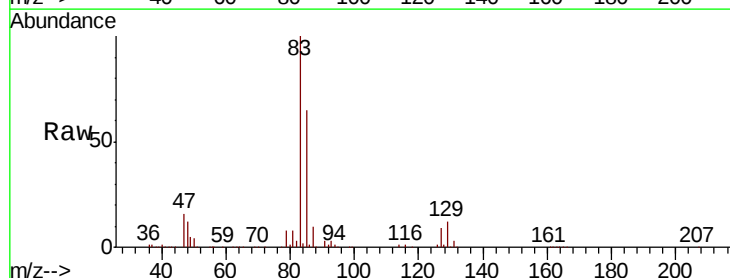
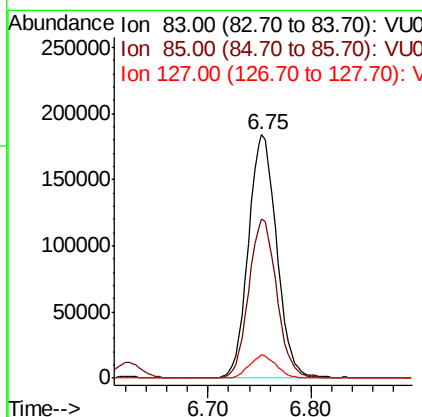
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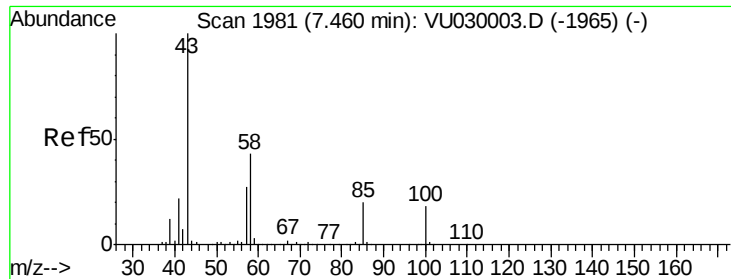
MMDadoda
3/13/2019 12:56:04 PM



#44
Bromodichloromethane
Concen: 15.039 ug/l
RT: 6.75 min Scan# 1761
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	53.2	79.8
127	9.5	7.4	11.0





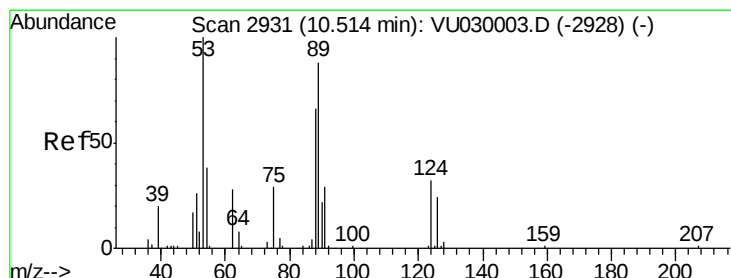
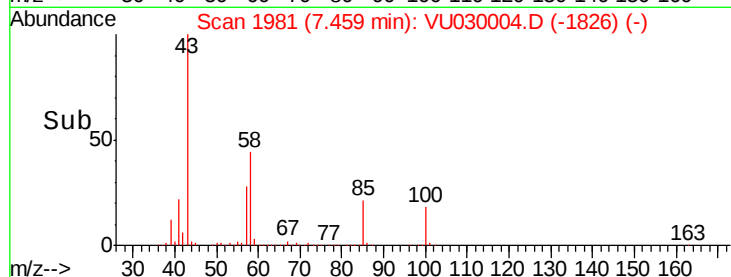
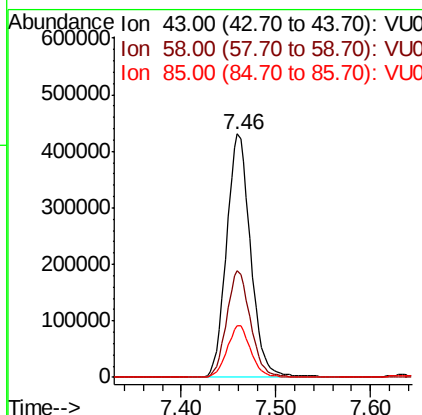
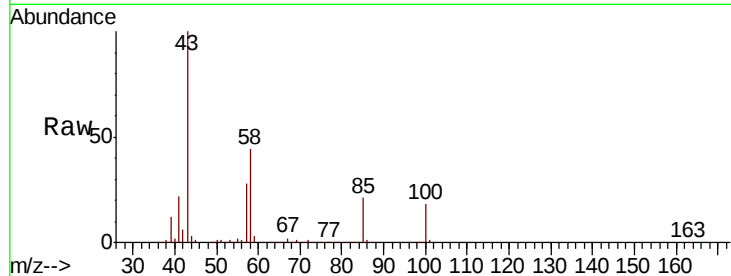
#45
4-Methyl-2-Pentanone
Concen: 79.274 ug/l
RT: 7.46 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.6	21.6	64.6
85	20.9	16.3	24.5

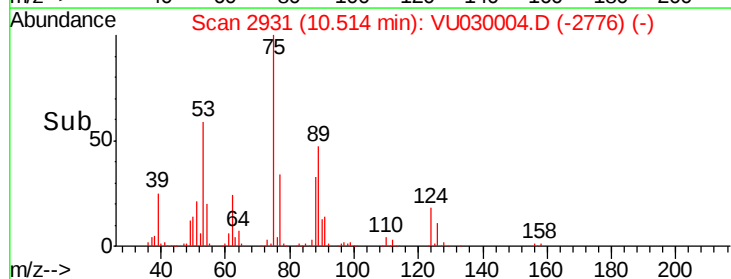
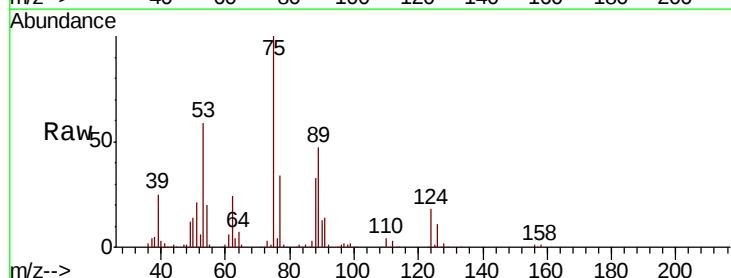
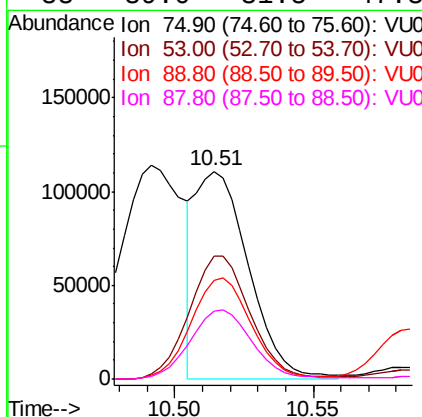
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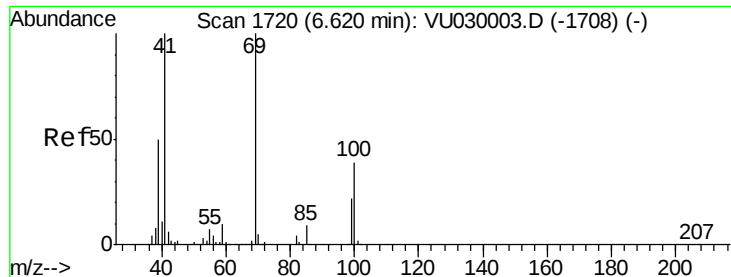
MMDadoda
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#46
t-1,4-Dichloro-2-butene
Concen: 39.983 ug/l m
RT: 10.51 min Scan# 2931
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
53	67.9	57.0	85.6
89	55.5	43.6	65.4
88	39.0	31.5	47.3





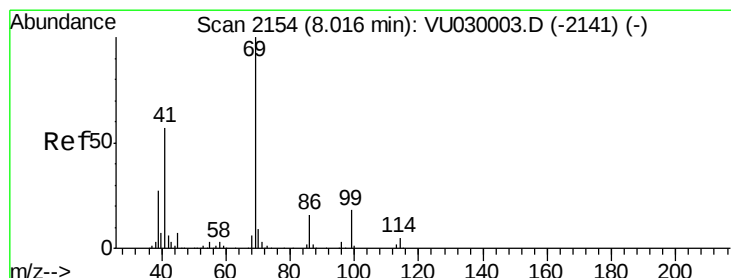
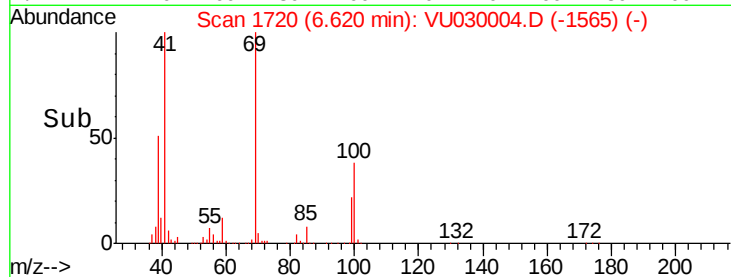
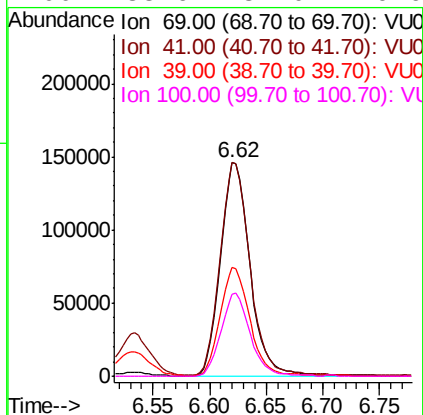
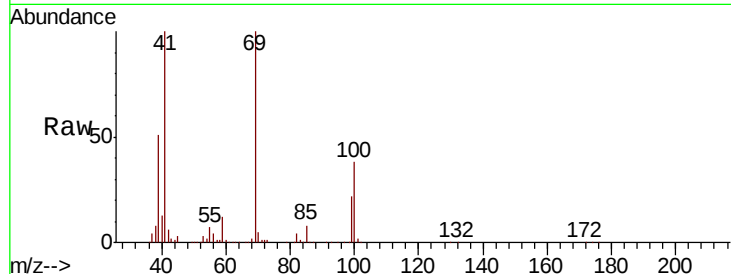
#47
Methyl methacrylate
Concen: 32.587 ug/l
RT: 6.62 min Scan# 1720
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion	Ratio	Lower	Upper
69	100		
41	100.5	0.0	197.8
39	51.2	40.2	60.4
100	38.6	31.0	46.6

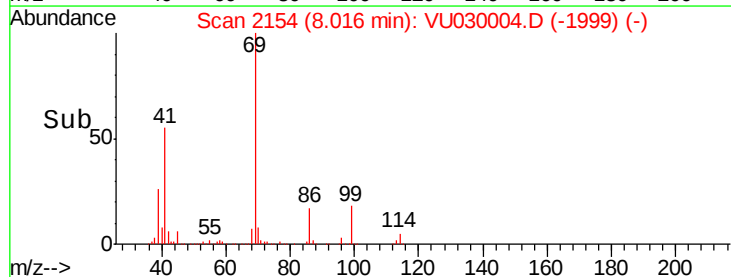
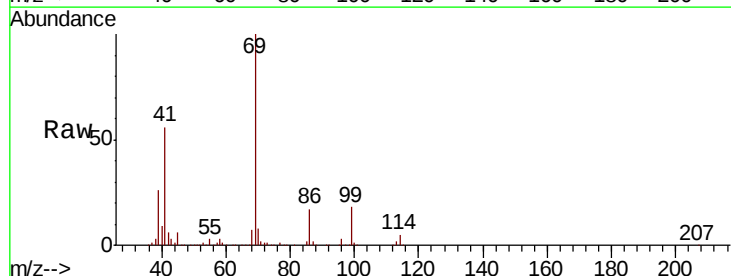
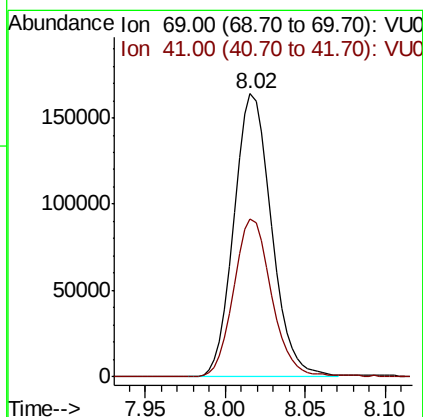
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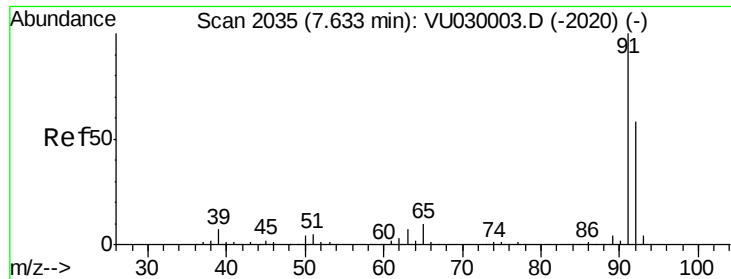
MMDadoda
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#48
Ethyl methacrylate
Concen: 17.058 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
69	100		
41	56.3	28.1	84.4





#49

Toluene

Concen: 15.855 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030004.D

Acq: 12 Mar 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 92 Resp: 705614

Ion Ratio Lower Upper

92 100

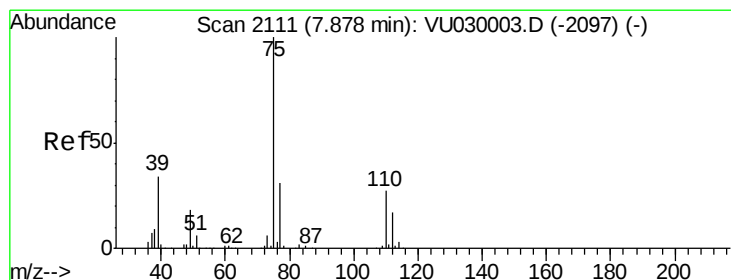
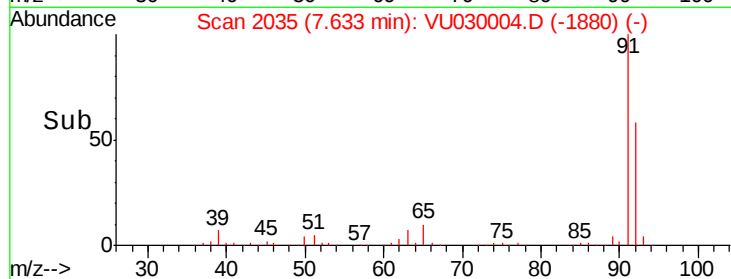
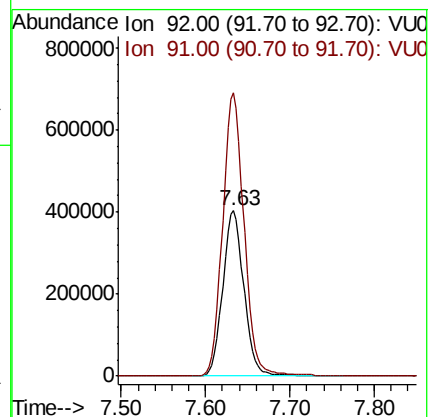
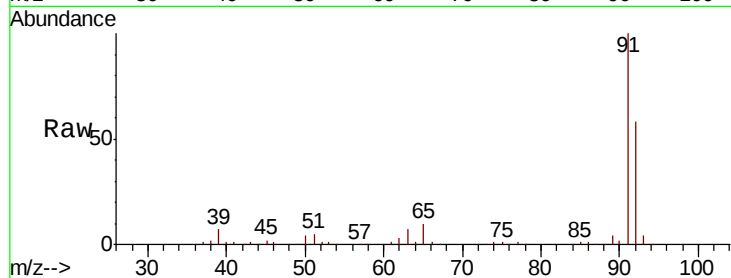
91 172.5 140.1 210.1

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#50

t-1,3-Dichloropropene

Concen: 16.302 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU030004.D

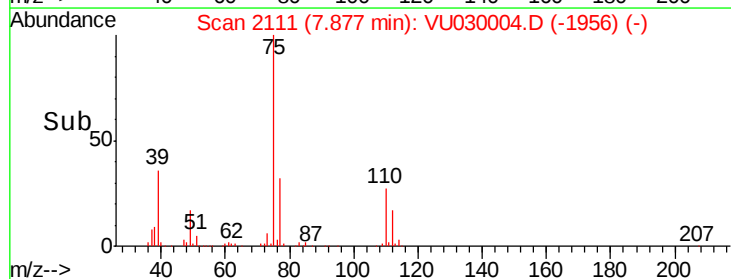
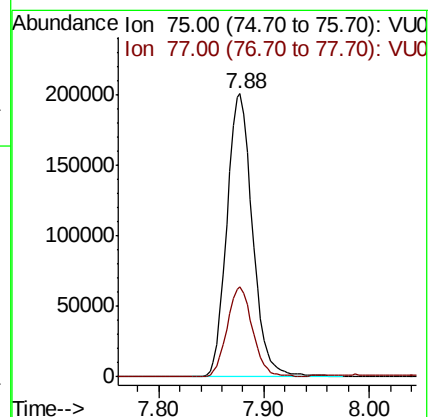
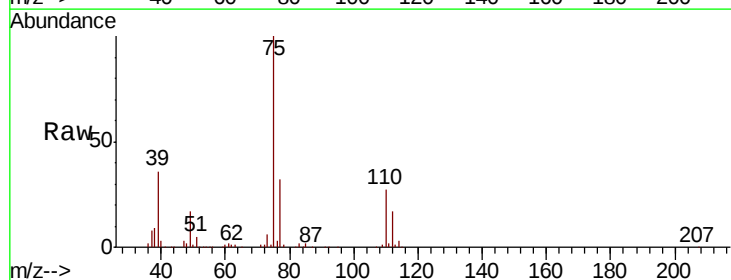
Acq: 12 Mar 2019 12:15

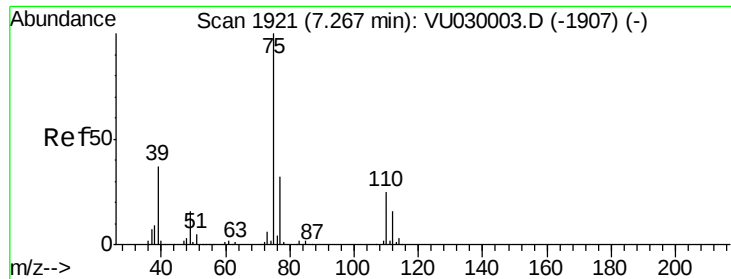
Tgt Ion: 75 Resp: 338291

Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7





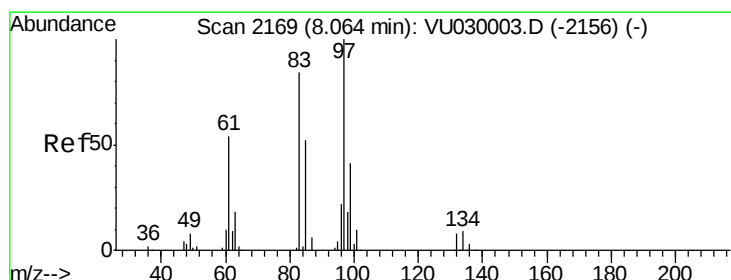
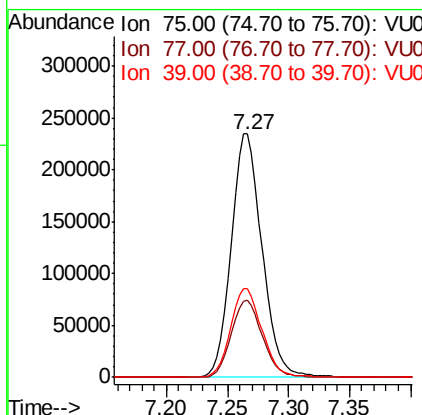
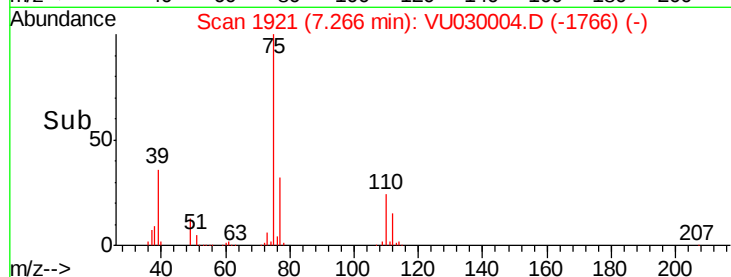
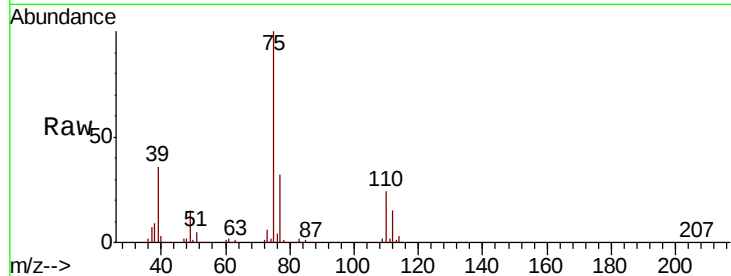
#51
 cis-1,3-Dichloropropene
 Concen: 15.789 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU030004.D
 Acq: 12 Mar 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.0	39.0
39	36.3	29.5	44.3

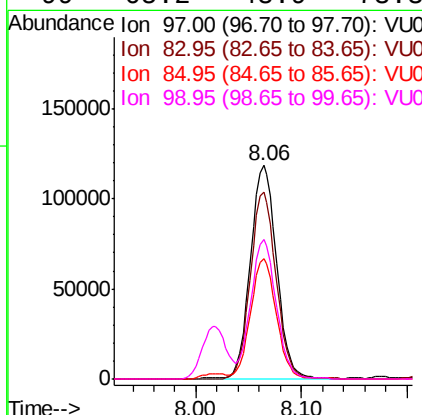
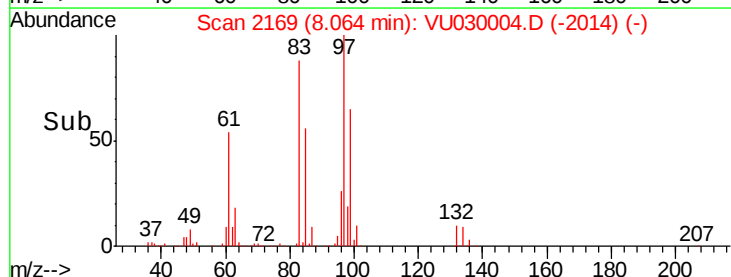
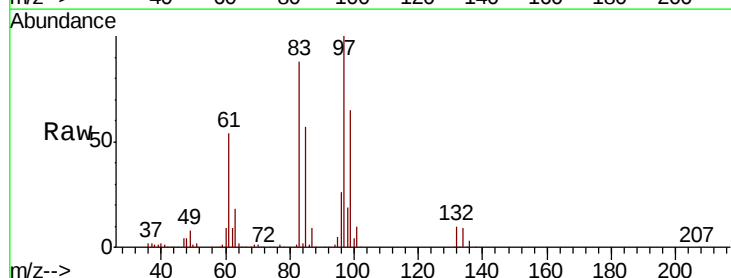
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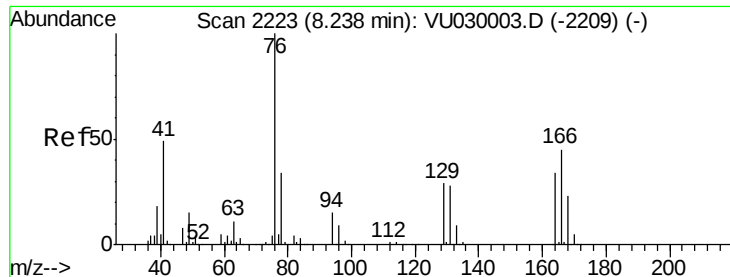
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#52
 1,1,2-Trichloroethane
 Concen: 15.037 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU030004.D
 Acq: 12 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.5	67.4	101.0
85	56.3	42.6	64.0
99	65.2	48.9	73.3





#53

1,3-Dichloropropane

Concen: 15.117 ug/l

RT: 8.24 min Scan# 2223

Delta R.T. -0.00 min

Lab File: VU030004.D

Acq: 12 Mar 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 76 Resp: 347204

Ion Ratio Lower Upper

76 100

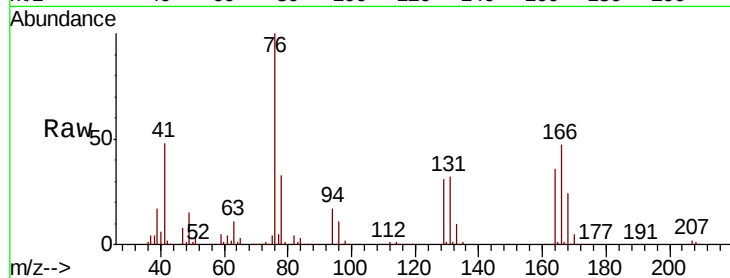
78 32.5 26.4 39.6

Manual Integrations

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

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

8.24

200000

150000

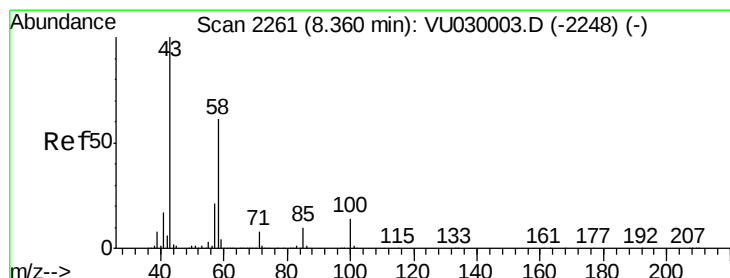
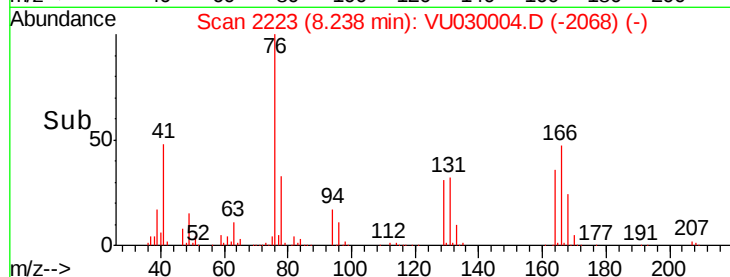
100000

50000

0

8.20 8.30

Time-->



#54

2-Hexanone

Concen: 78.925 ug/l

RT: 8.36 min Scan# 2261

Delta R.T. -0.00 min

Lab File: VU030004.D

Acq: 12 Mar 2019 12:15

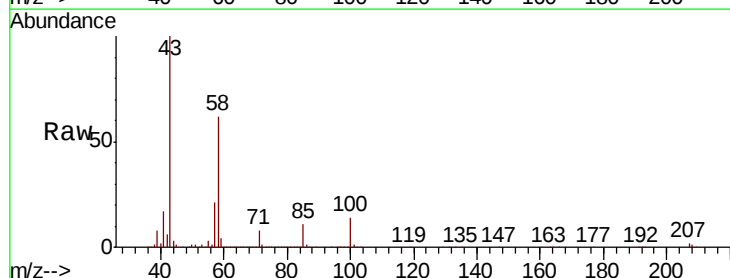
Tgt Ion: 43 Resp: 545768

Ion Ratio Lower Upper

43 100

58 60.7 40.3 80.3

57 20.4 0.6 40.6



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

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

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

8.36

400000

300000

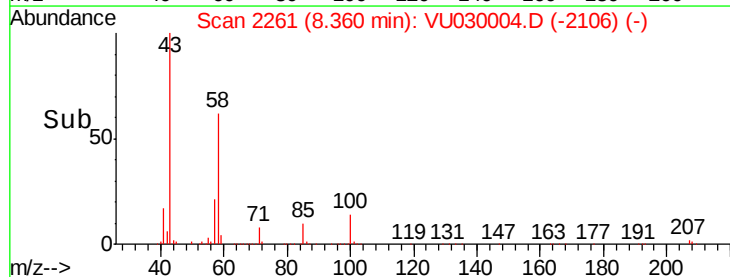
200000

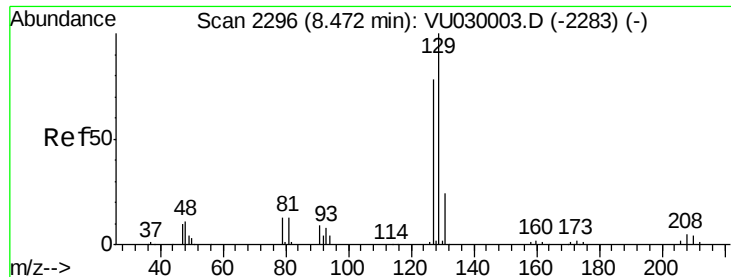
100000

0

8.30 8.40 8.50

Time-->





#55

Dibromochloromethane

Concen: 15.720 ug/l

RT: 8.47 min Scan# 2296

Delta R.T. -0.00 min

Lab File: VU030004.D

Acq: 12 Mar 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion:129 Resp: 259700

Ion Ratio Lower Upper

129 100

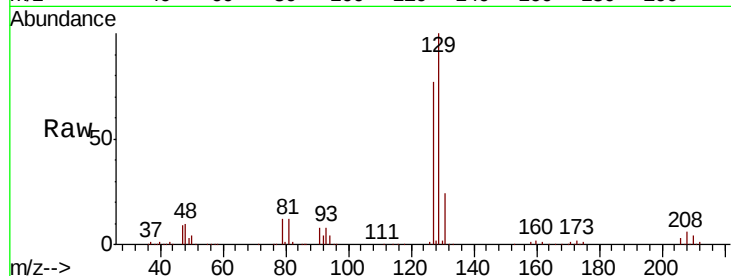
127 76.6 62.4 93.6

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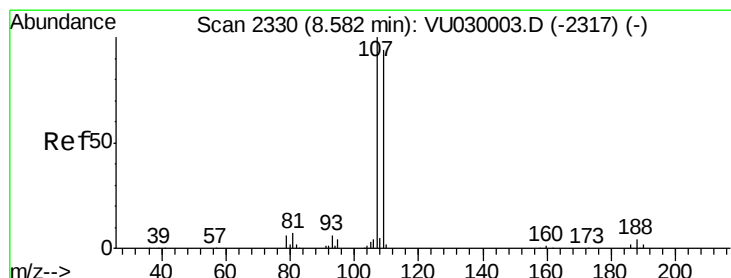
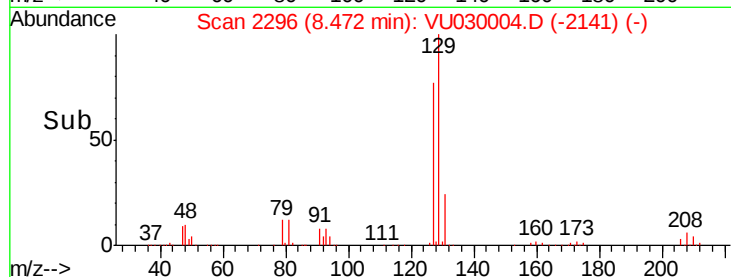
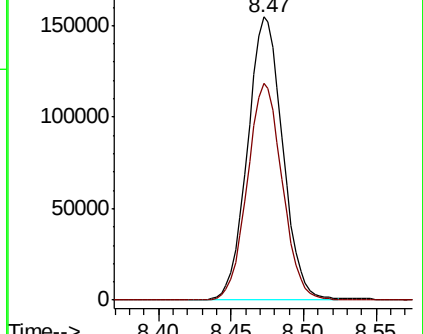
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 15.239 ug/l

RT: 8.58 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VU030004.D

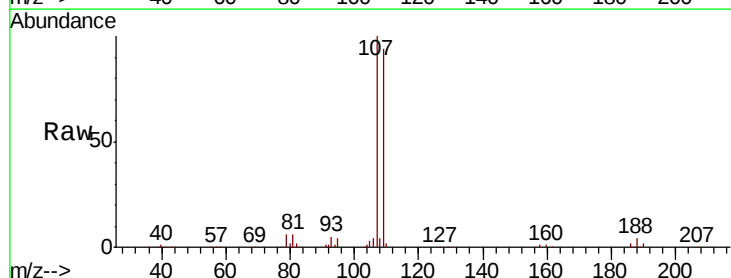
Acq: 12 Mar 2019 12:15

Tgt Ion:107 Resp: 201405

Ion Ratio Lower Upper

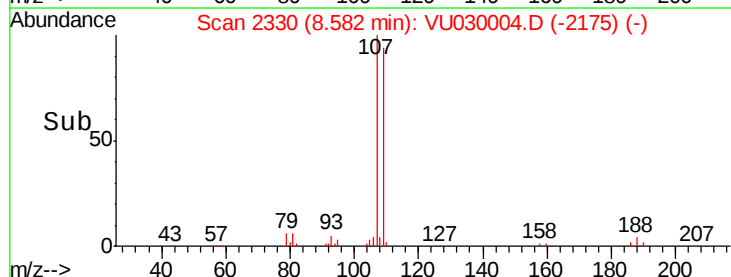
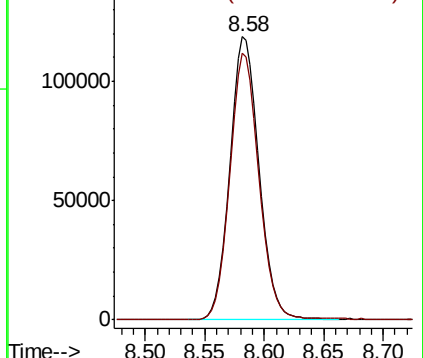
107 100

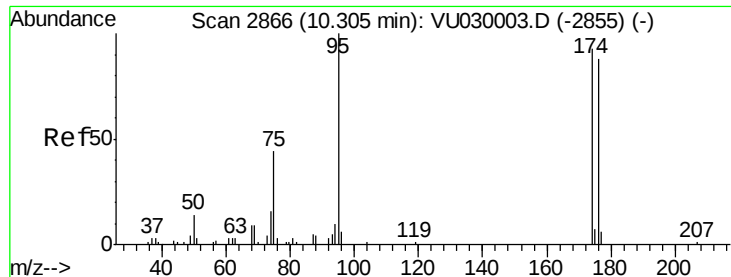
109 93.9 0.0 186.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 15.239 ug/l

RT: 10.30 min Scan# 2866

Delta R.T. -0.00 min

Lab File: VU030004.D

Acq: 12 Mar 2019 12:15

Instrument :

MSVOA_U

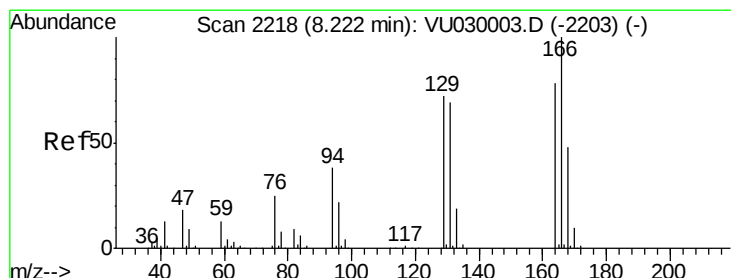
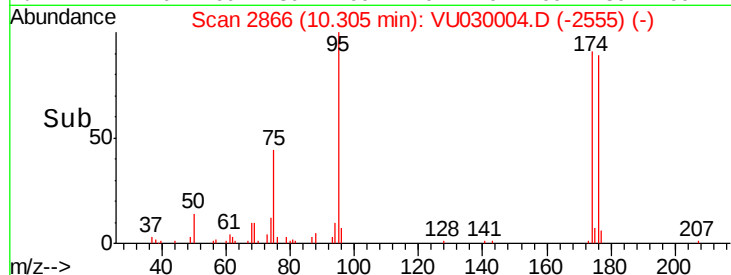
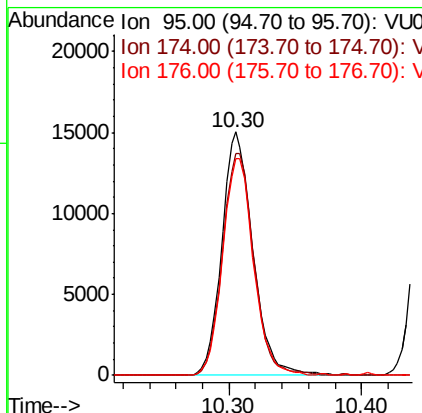
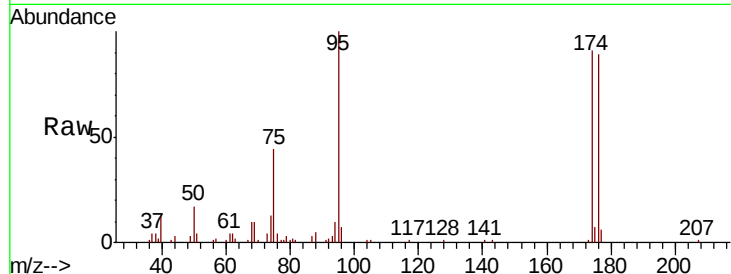
ClientSampleId :

VSTDIC015

Tgt Ion:	95	Resp:	24304
Ion	Ratio	Lower	Upper
95	100		
174	92.8	78.1	117.1
176	89.5	70.8	106.2

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#58

Tetrachloroethene

Concen: 15.313 ug/l

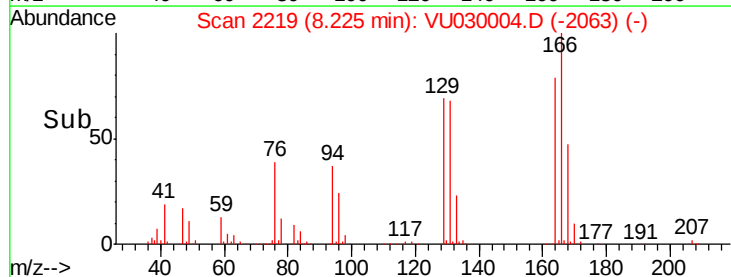
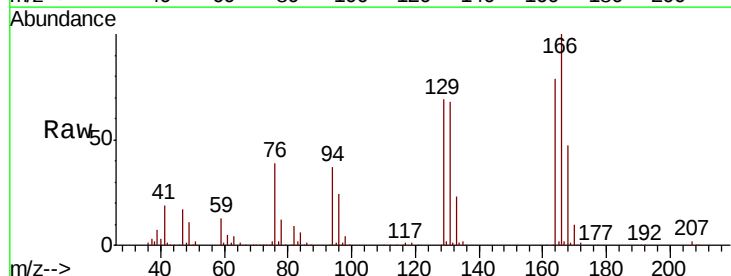
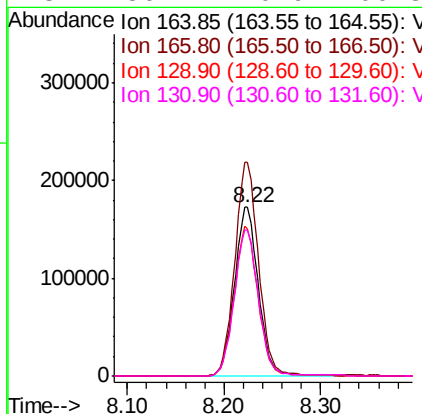
RT: 8.22 min Scan# 2219

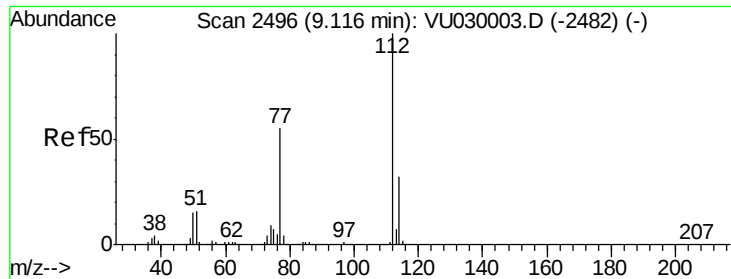
Delta R.T. 0.00 min

Lab File: VU030004.D

Acq: 12 Mar 2019 12:15

Tgt Ion:	164	Resp:	295829
Ion	Ratio	Lower	Upper
164	100		
166	126.8	103.2	154.8
129	87.4	74.5	111.7
131	86.4	70.9	106.3





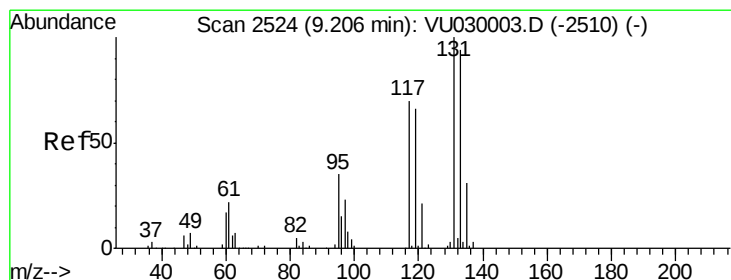
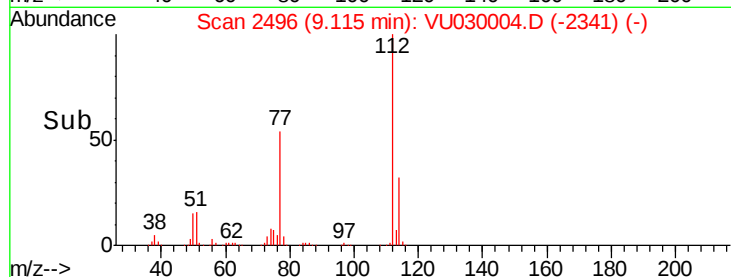
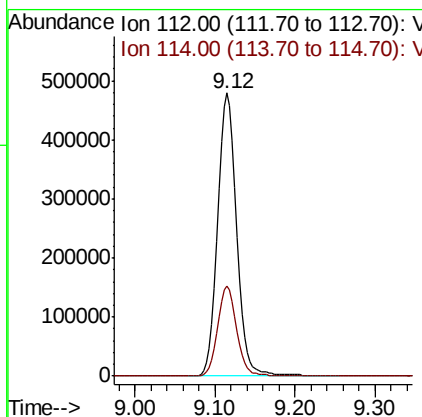
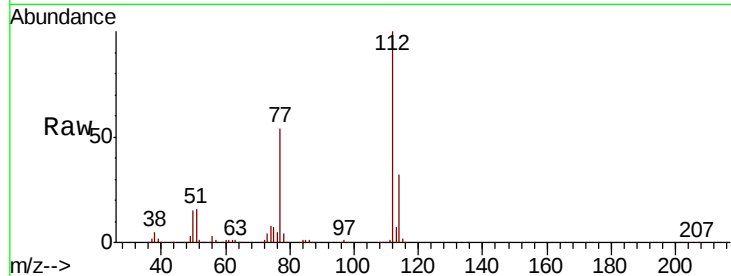
#59
Chlorobenzene
Concen: 15.676 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Instrument :
MSVOA_U
ClientSampled :
VSTDIC015

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	797198		
114	31.8	25.6	38.4	

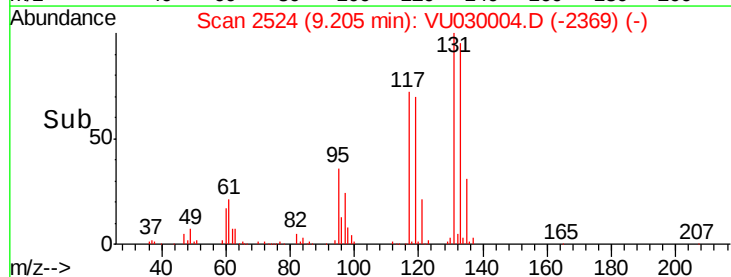
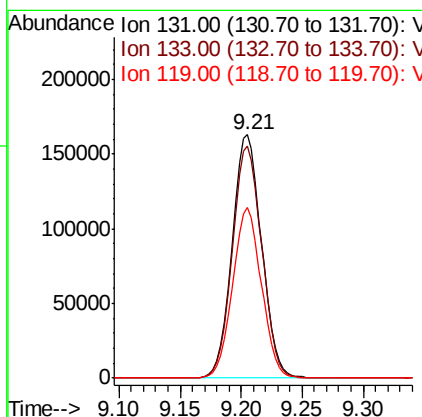
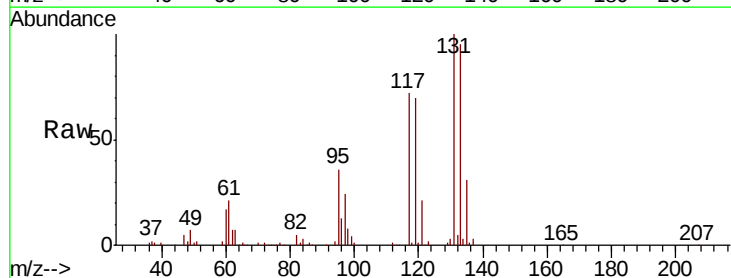
Manual Integrations
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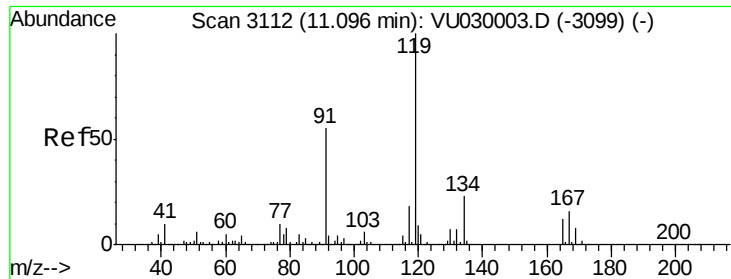
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#60
1,1,1,2-Tetrachloroethane
Concen: 15.214 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	273296		
133	95.5	75.6	113.4	
119	68.4	53.3	79.9	





#61

Pentachloroethane

Concen: 15.642 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU030004.D

Acq: 12 Mar 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion:117 Resp: 216841

Ion Ratio Lower Upper

117 100

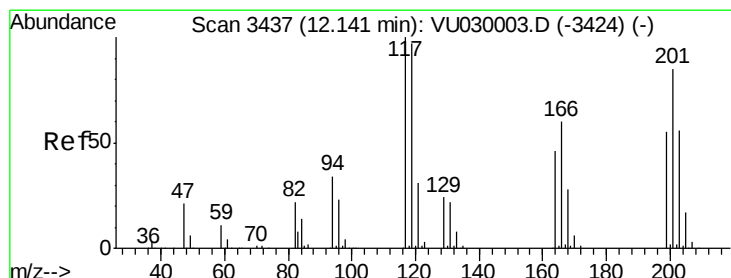
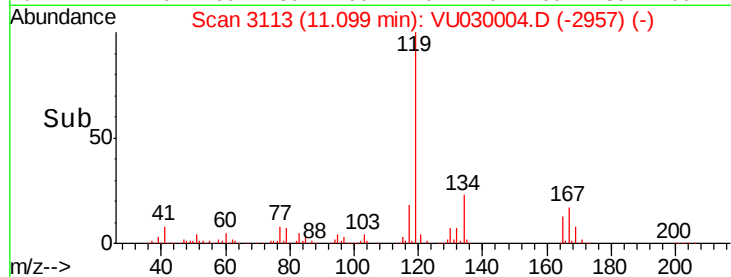
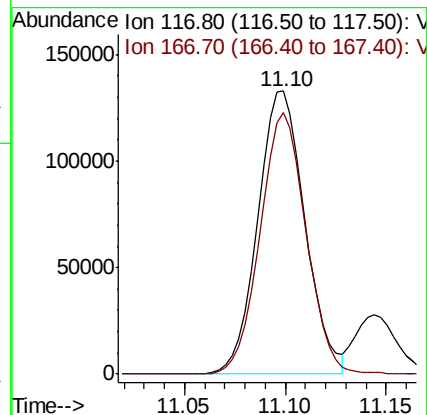
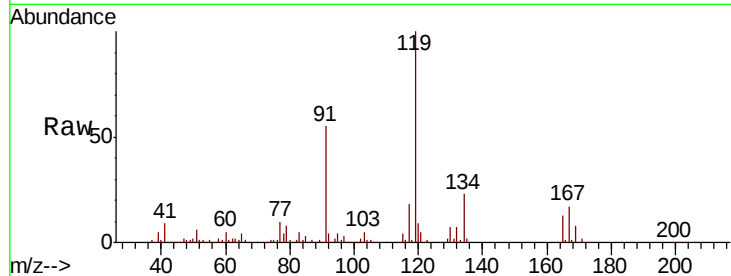
167 90.1 73.1 109.7

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#62

Hexachloroethane

Concen: 16.117 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. -0.00 min

Lab File: VU030004.D

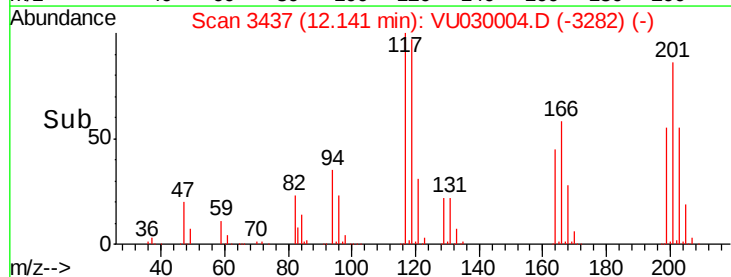
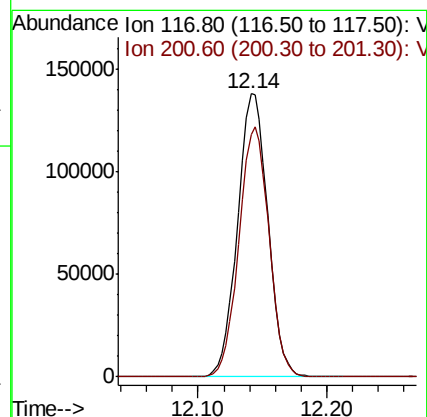
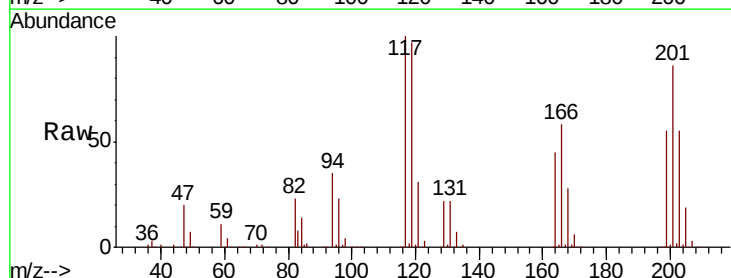
Acq: 12 Mar 2019 12:15

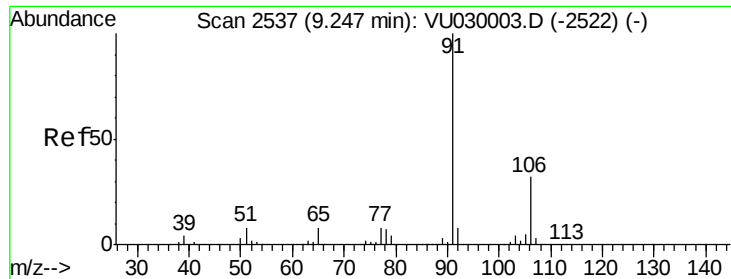
Tgt Ion:117 Resp: 225111

Ion Ratio Lower Upper

117 100

201 87.5 69.5 104.3





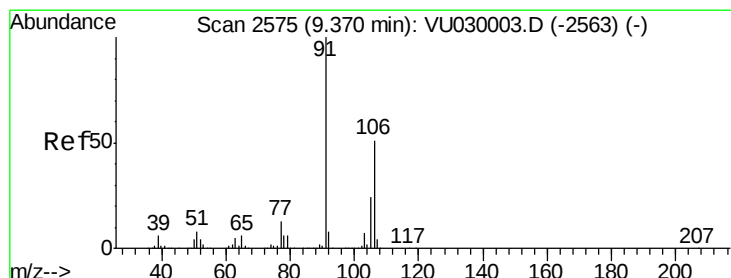
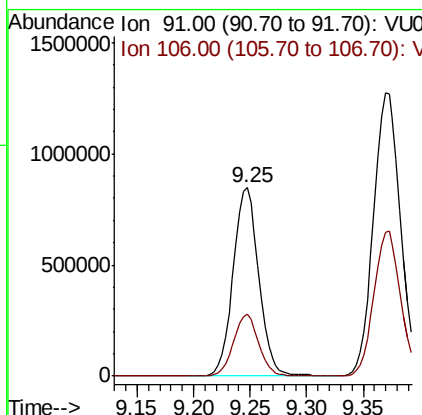
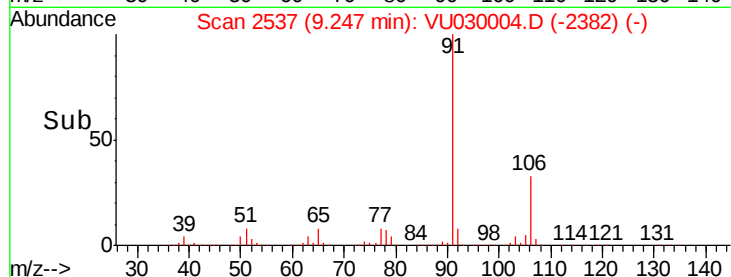
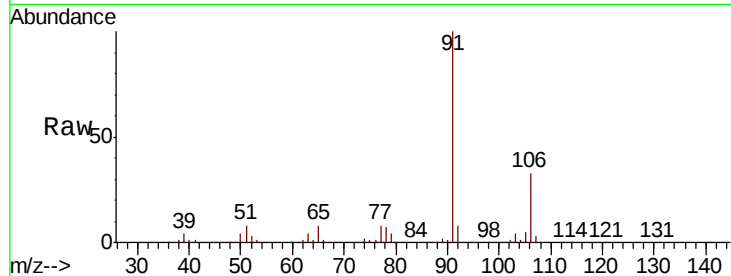
#63
Ethyl Benzene
Concen: 16.121 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Instrument :
MSVOA_U
ClientSampled :
VSTDIC015

Tgt Ion: 91 Resp: 1346408
Ion Ratio Lower Upper
91 100
106 32.6 25.7 38.5

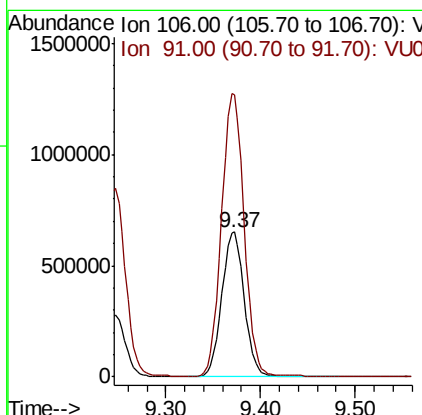
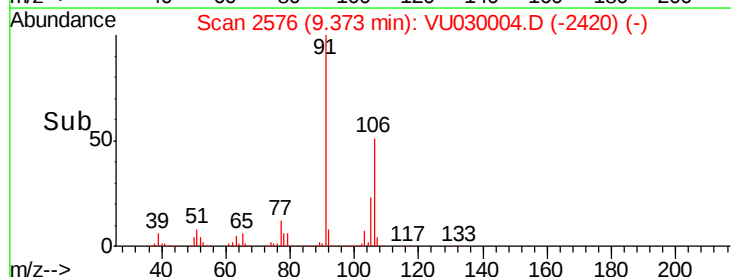
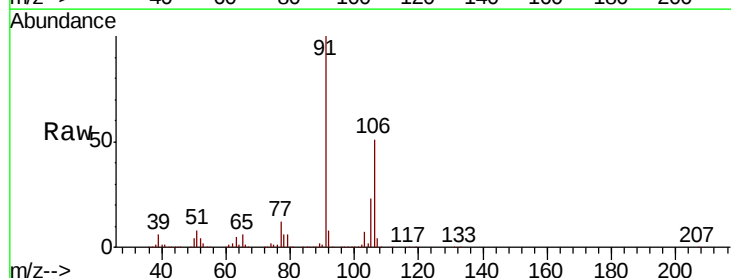
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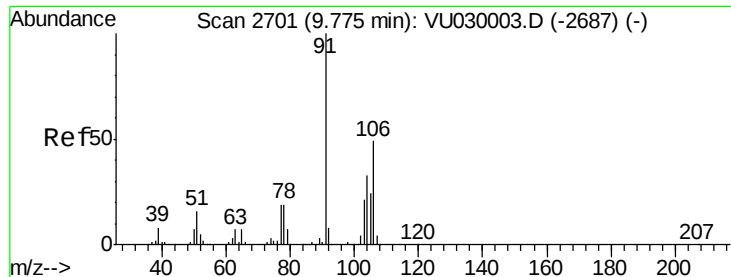
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#64
m/p-Xylenes
Concen: 32.626 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Tgt Ion: 106 Resp: 1072079
Ion Ratio Lower Upper
106 100
91 196.7 157.9 236.9





#65

o-Xylene

Concen: 16.020 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU030004.D

Acq: 12 Mar 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion:106 Resp: 516314

Ion Ratio Lower Upper

106 100

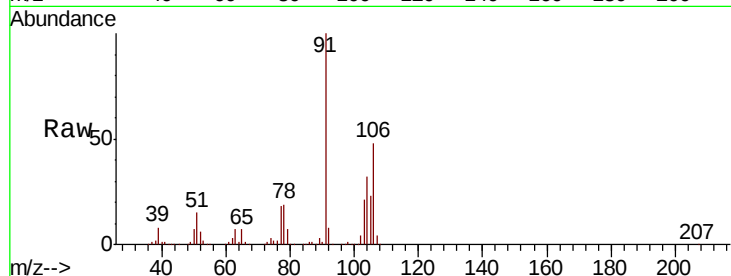
91 207.3 103.2 309.4

Manual Integrations

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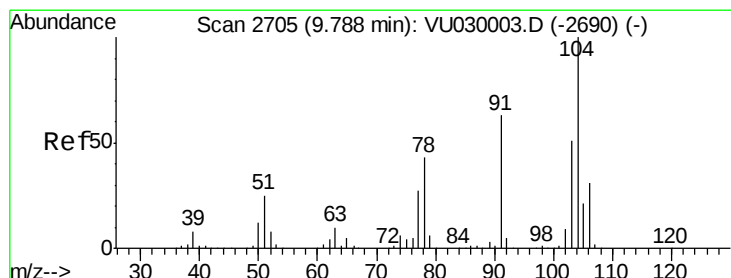
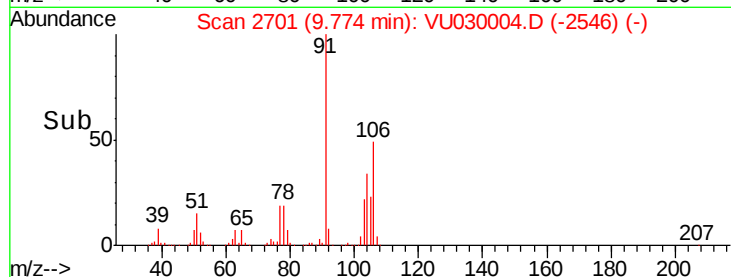
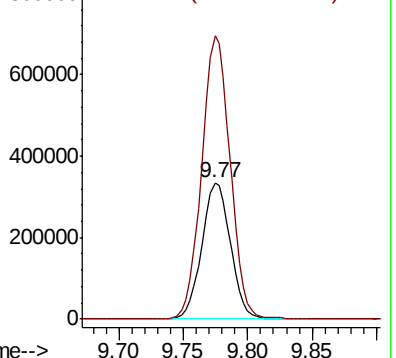
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 16.756 ug/l

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU030004.D

Acq: 12 Mar 2019 12:15

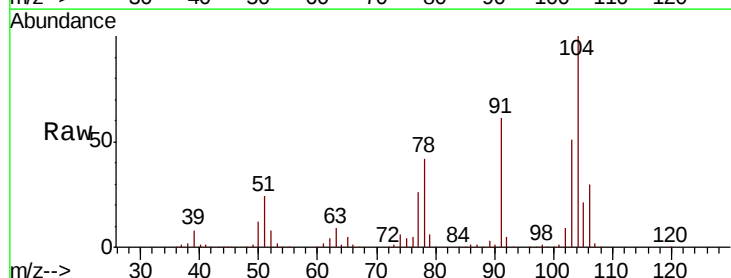
Tgt Ion:104 Resp: 885145

Ion Ratio Lower Upper

104 100

78 45.7 37.0 55.4

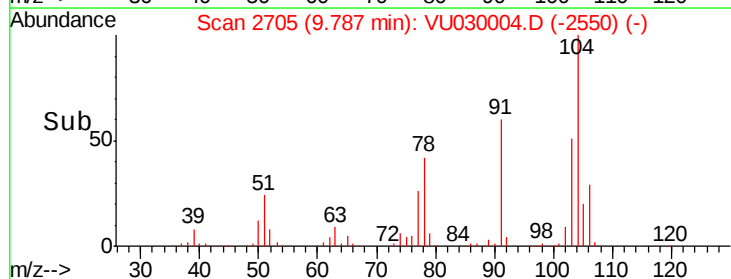
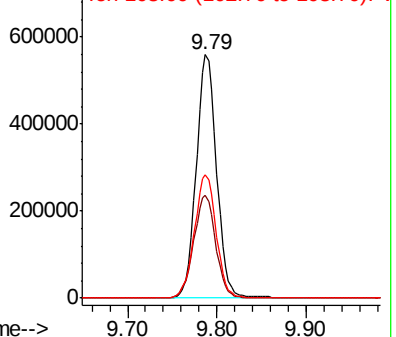
103 54.4 43.8 65.6

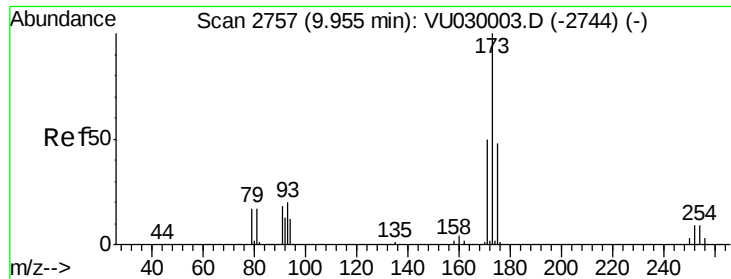


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





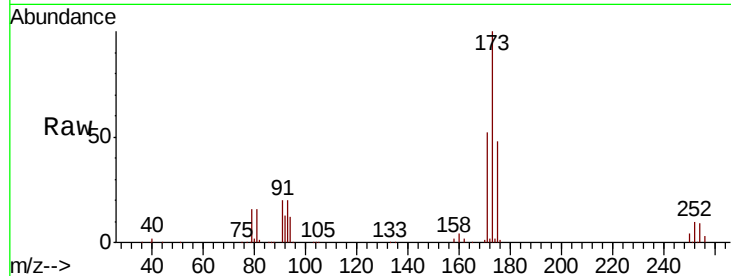
#67
Bromoform
Concen: 16.578 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.9	39.0	58.4
254	8.9	7.0	10.4

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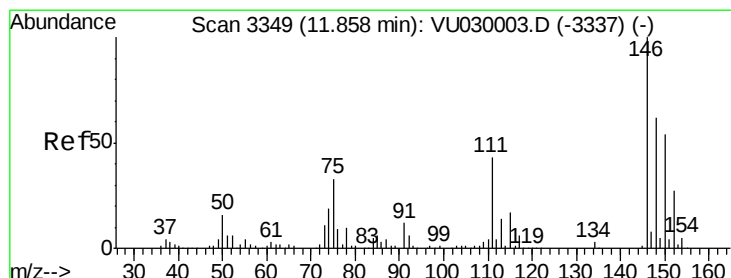
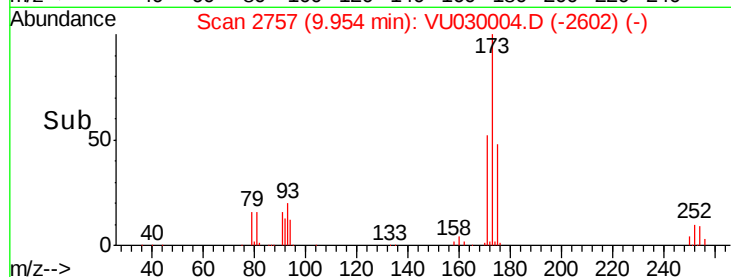
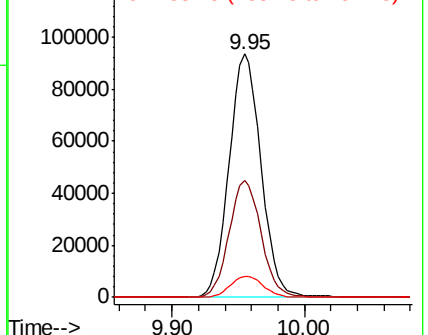


Abundance

Ion 172.90 (172.60 to 173.60): V

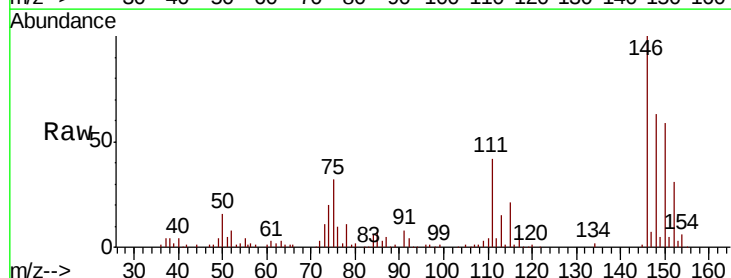
Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68
1,2-Dichlorobenzene-d4
Concen: 16.578 ug/l
RT: 11.85 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	0.0	126.8
150	0.0	0.0	634.2

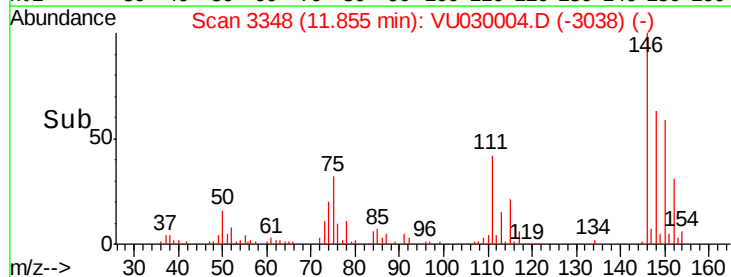
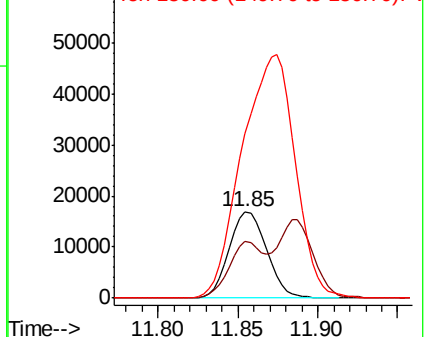


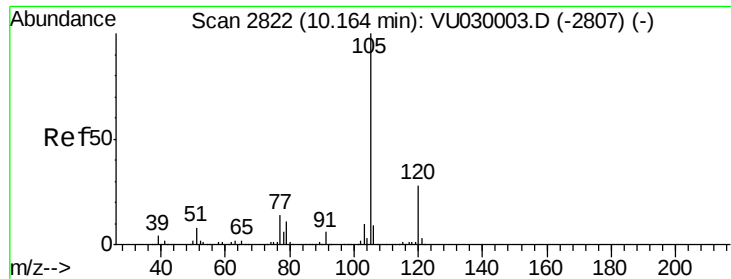
Abundance

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





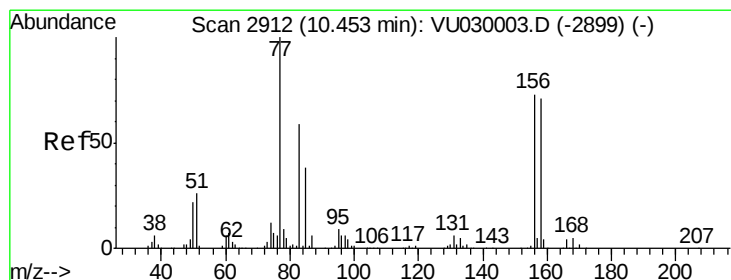
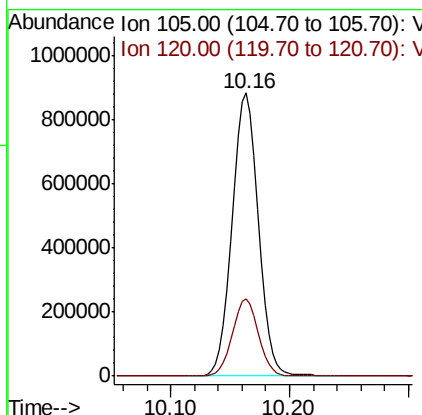
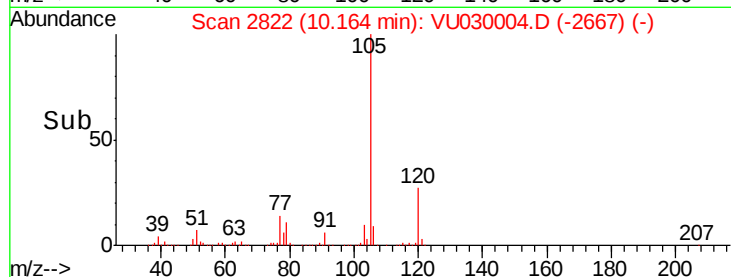
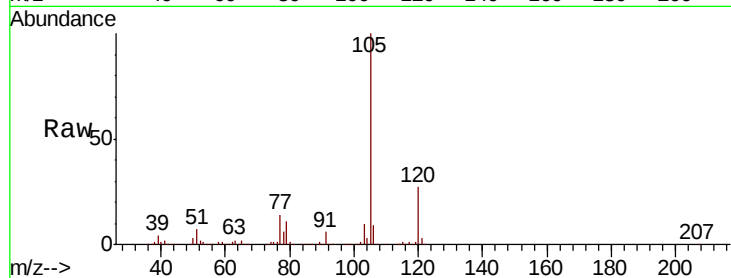
#69
Isopropylbenzene
Concen: 16.139 ug/l
RT: 10.16 min Scan# 2822
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion: 105 Resp: 1356219
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.5

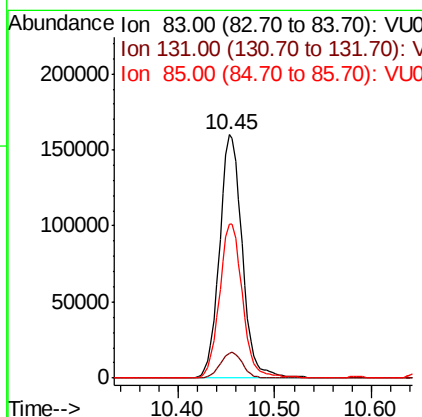
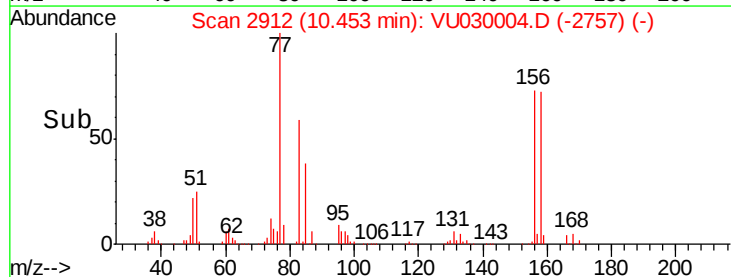
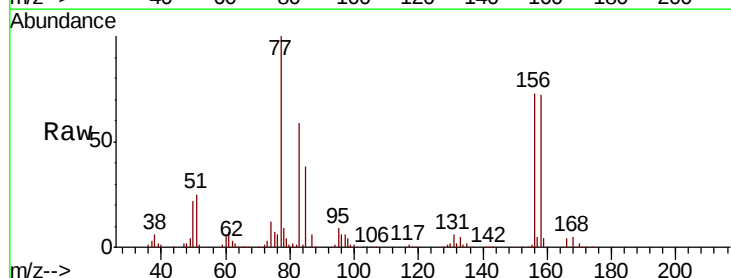
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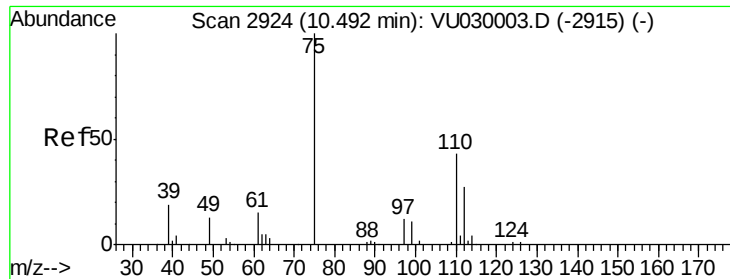
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#70
1,1,2,2-Tetrachloroethane
Concen: 15.422 ug/l
RT: 10.45 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Tgt Ion: 83 Resp: 261025
Ion Ratio Lower Upper
83 100
131 10.4 8.4 12.6
85 64.4 52.6 78.8





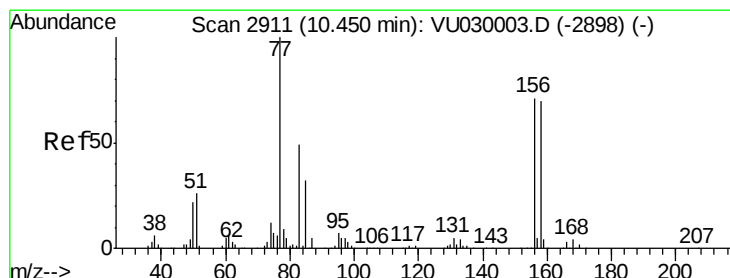
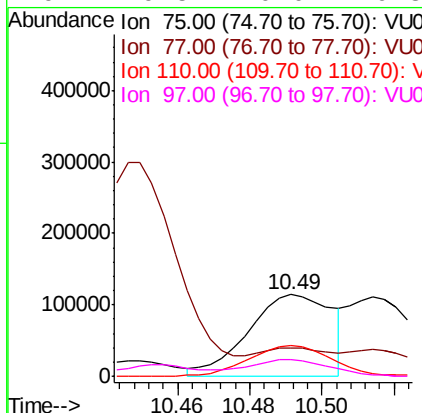
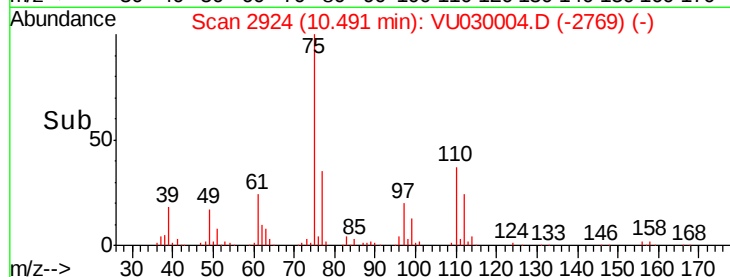
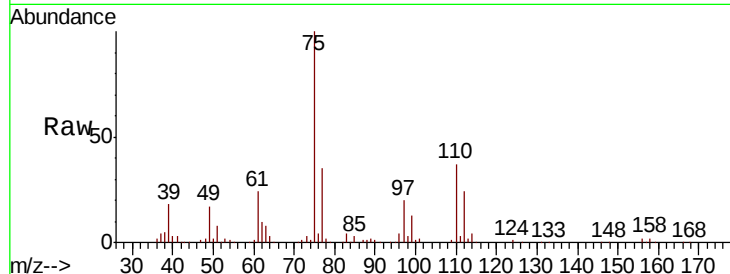
#71
 1,2,3-Trichloropropane
 Concen: 14.622 ug/l m
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU030004.D
 Acq: 12 Mar 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion	Ratio	Lower	Upper
75	100		
77	8.1	0.0	16.8
110	37.5	0.0	76.8
97	19.5	0.0	40.8

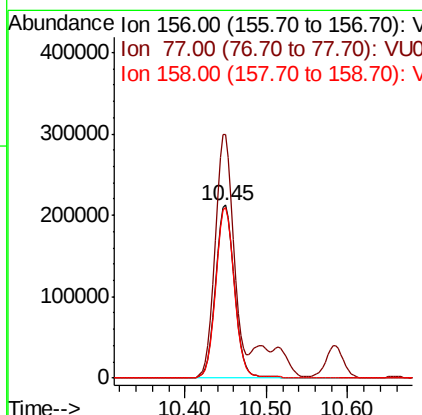
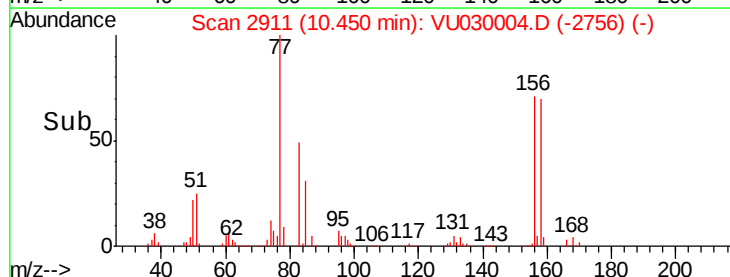
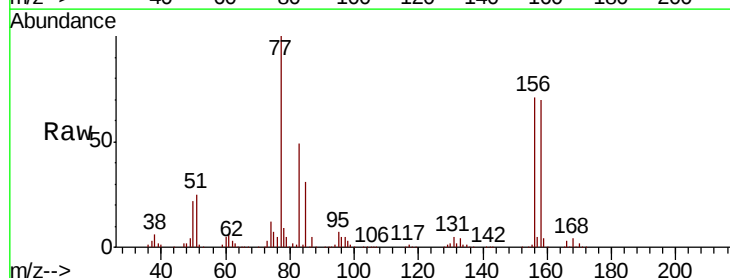
Manual Integrations
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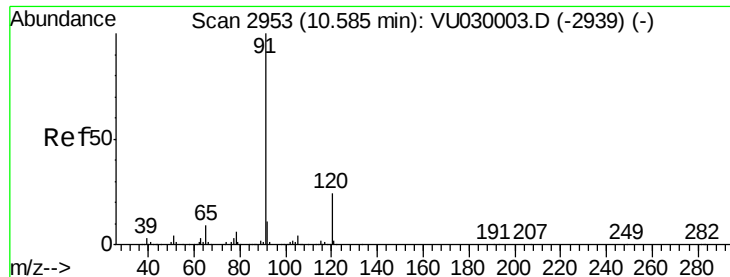
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#72
 Bromobenzene
 Concen: 15.882 ug/l
 RT: 10.45 min Scan# 2911
 Delta R.T. -0.00 min
 Lab File: VU030004.D
 Acq: 12 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
156	100		
77	139.5	0.0	278.6
158	98.2	0.0	195.2





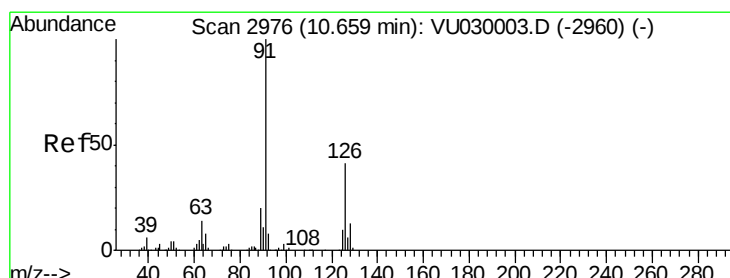
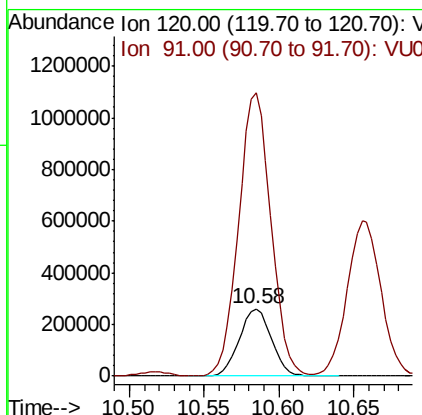
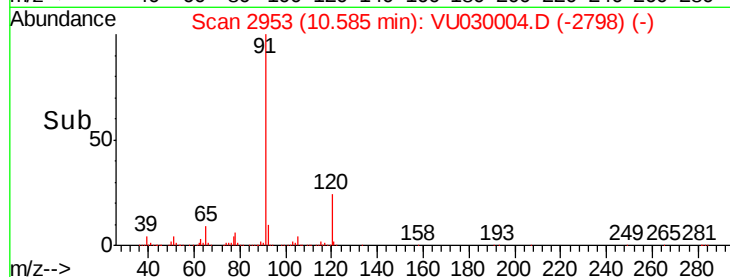
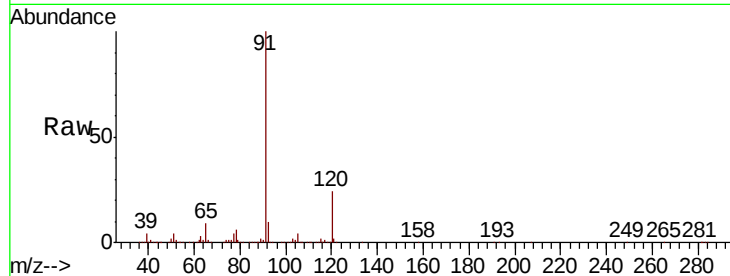
#73
n-propylbenzene
Concen: 16.380 ug/l
RT: 10.58 min Scan# 2953
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion:120 Resp: 390475
Ion Ratio Lower Upper
120 100
91 420.9 335.4 503.0

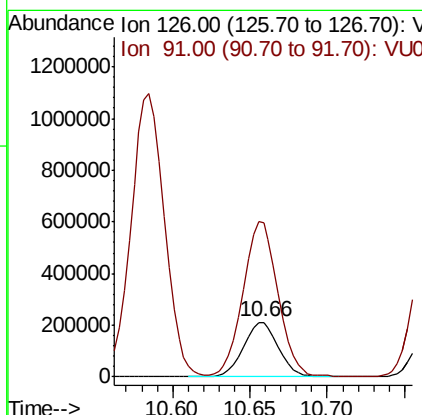
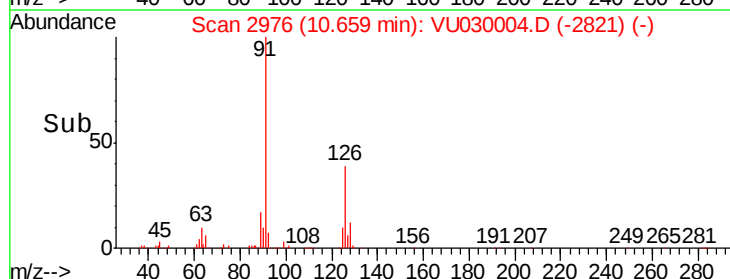
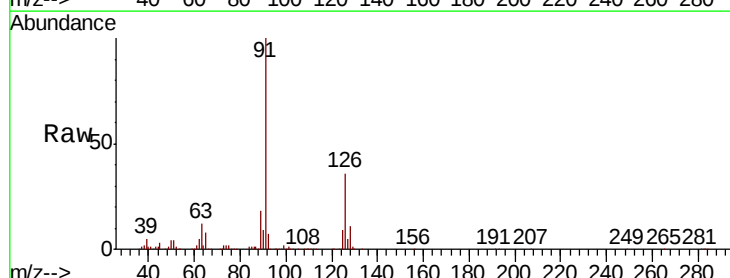
Manual Integrations
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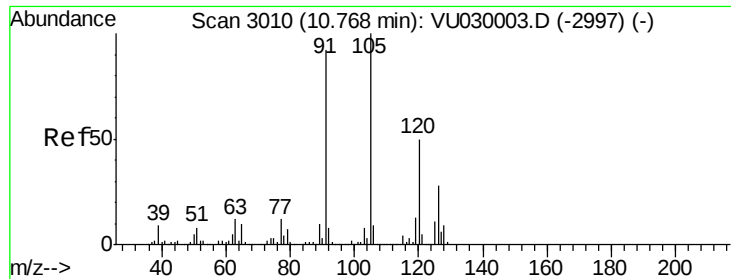
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#74
2-Chlorotoluene
Concen: 15.886 ug/l
RT: 10.66 min Scan# 2976
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Tgt Ion:126 Resp: 331662
Ion Ratio Lower Upper
126 100
91 281.5 0.0 561.0





#75

1,3,5-Trimethylbenzene

Concen: 16.454 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU030004.D

Acq: 12 Mar 2019 12:15

Instrument :

MSVOA_U

ClientSampled :

VSTDIC015

Tgt Ion:105 Resp: 1177930

Ion Ratio Lower Upper

105 100

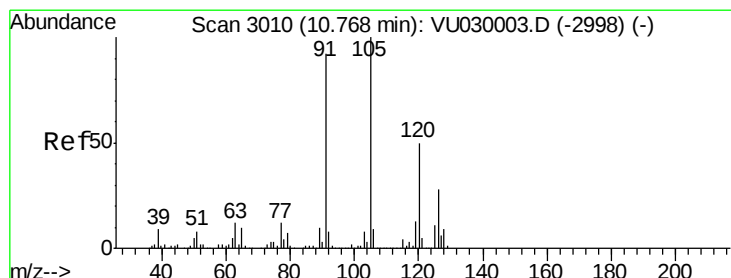
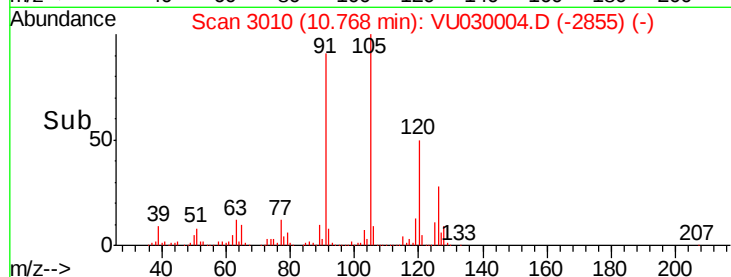
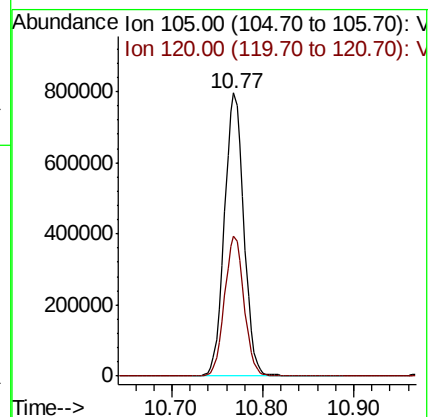
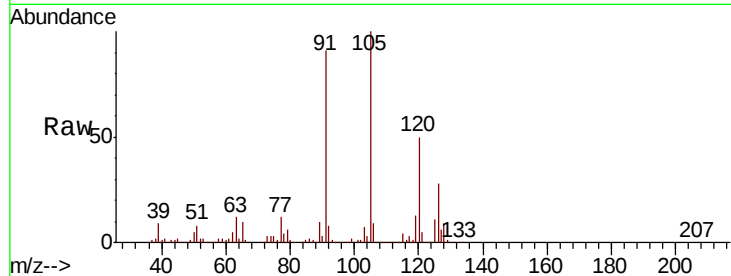
120 49.8 39.8 59.8

Manual Integrations

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#76

4-Chlorotoluene

Concen: 15.876 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU030004.D

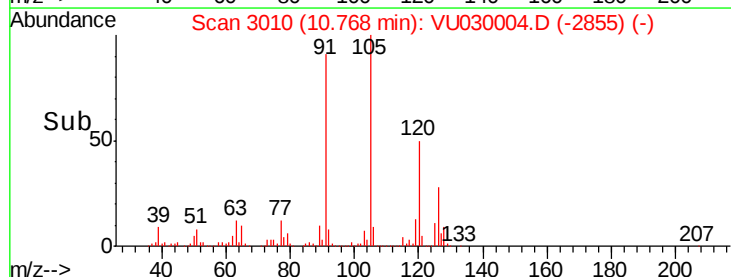
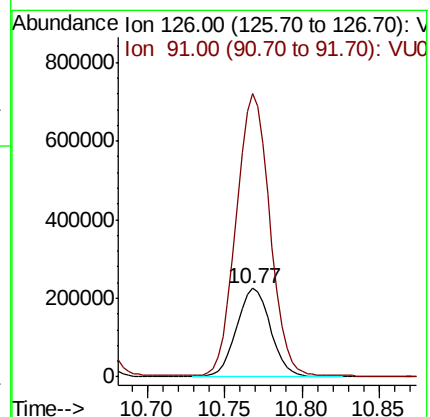
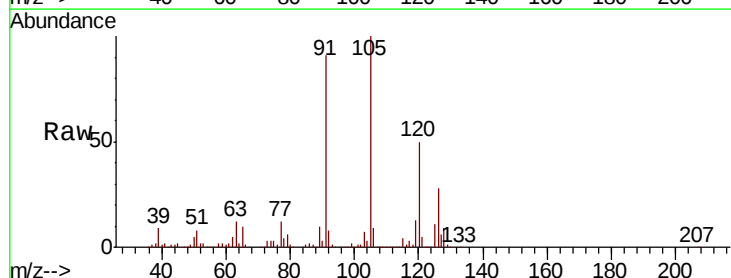
Acq: 12 Mar 2019 12:15

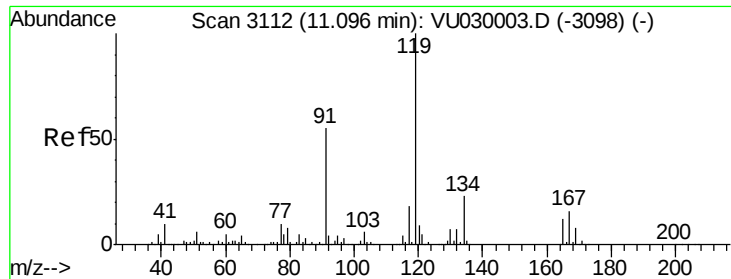
Tgt Ion:126 Resp: 338329

Ion Ratio Lower Upper

126 100

91 324.9 0.0 641.8





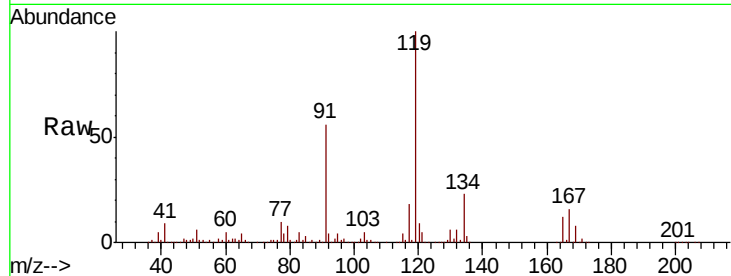
#77
 tert-Butylbenzene
 Concen: 16.485 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: VU030004.D
 Acq: 12 Mar 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

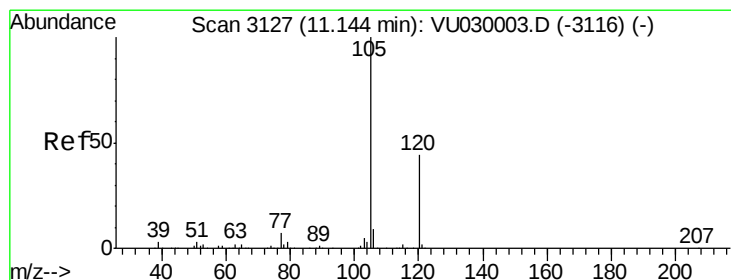
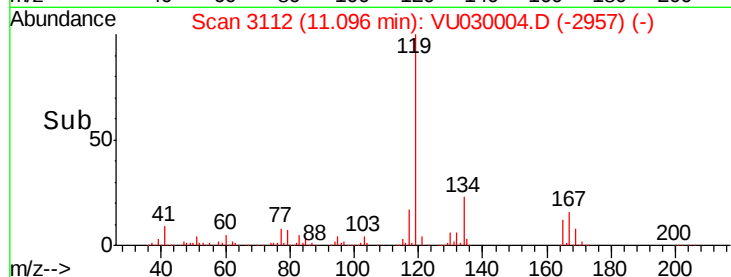
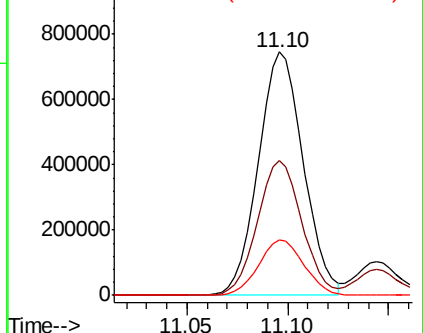
Tgt Ion	Ratio	Lower	Upper
119	100		
91	54.9	27.6	82.8
134	23.1	18.7	28.1

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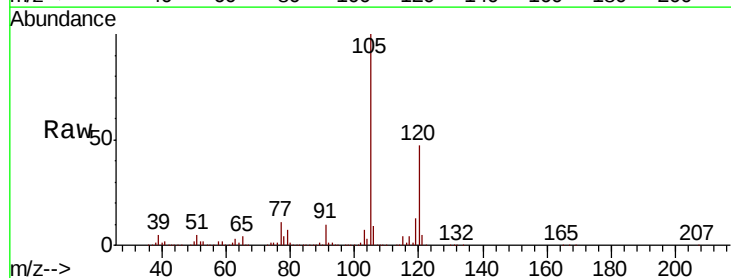


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU
 Ion 134.00 (133.70 to 134.70): V

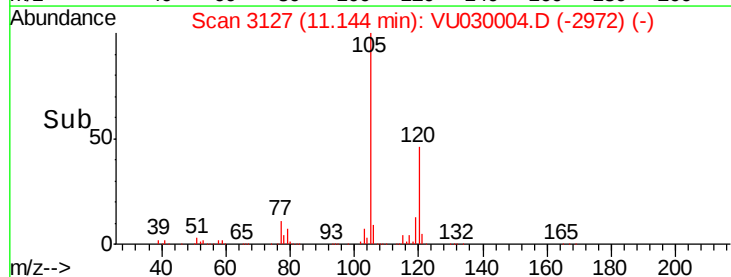
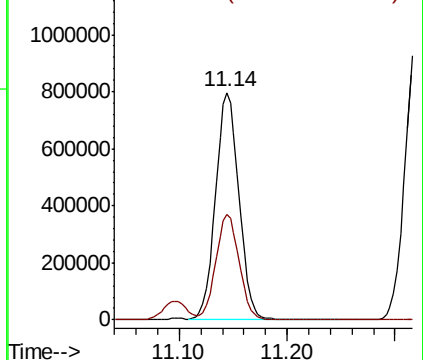


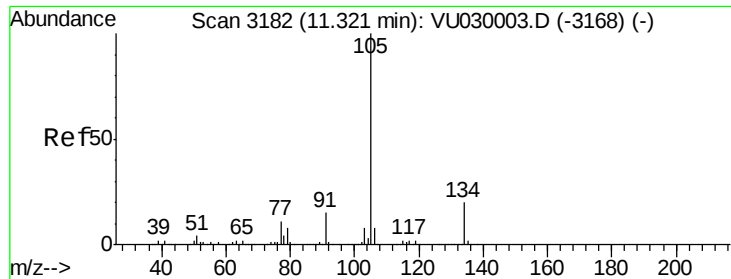
#78
 1,2,4-Trimethylbenzene
 Concen: 16.553 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. -0.00 min
 Lab File: VU030004.D
 Acq: 12 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.5	70.6



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 16.375 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU030004.D

Acq: 12 Mar 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 105 Resp: 1537235

Ion Ratio Lower Upper

105 100

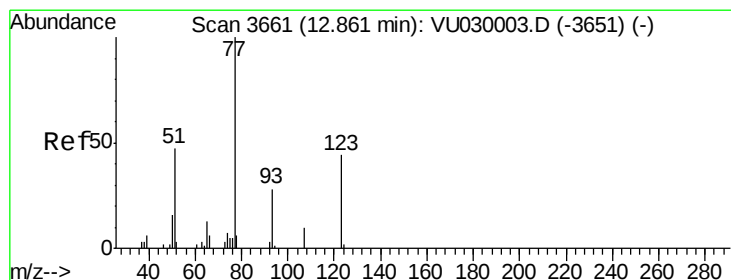
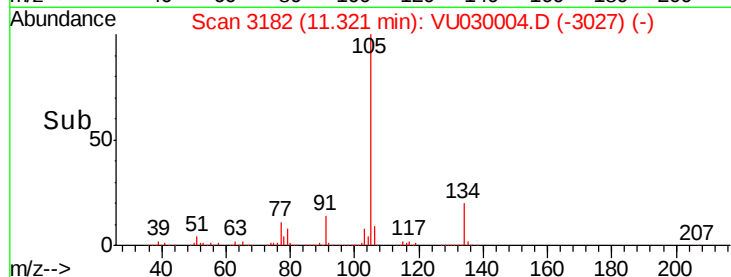
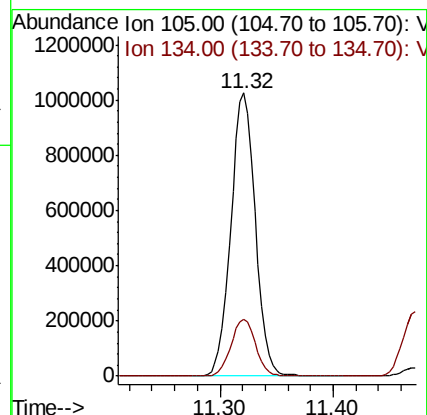
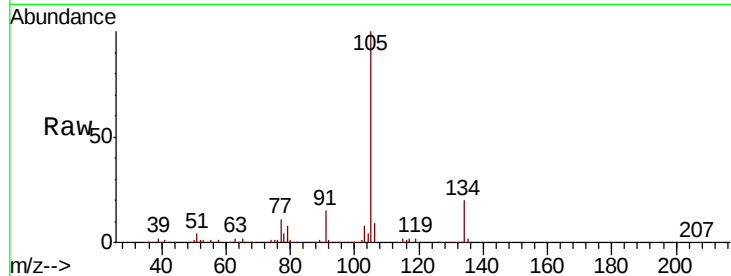
134 20.4 16.1 24.1

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#80

Nitrobenzene

Concen: 92.060 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. -0.00 min

Lab File: VU030004.D

Acq: 12 Mar 2019 12:15

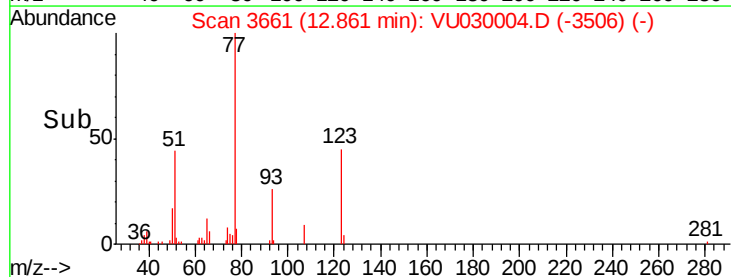
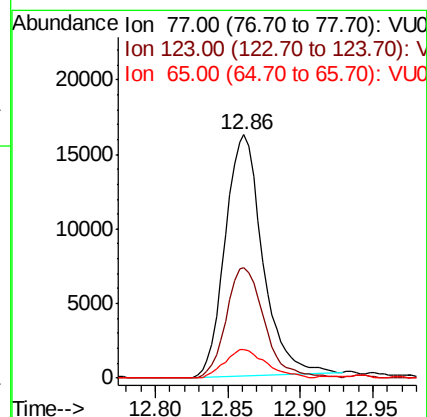
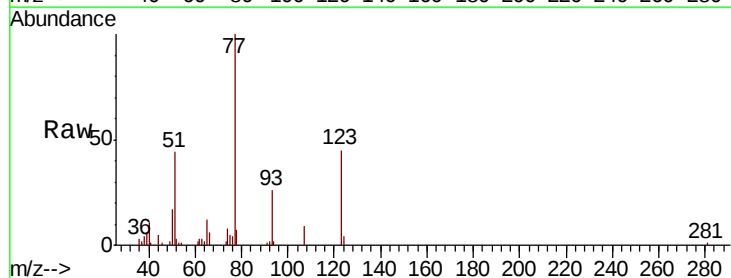
Tgt Ion: 77 Resp: 29104

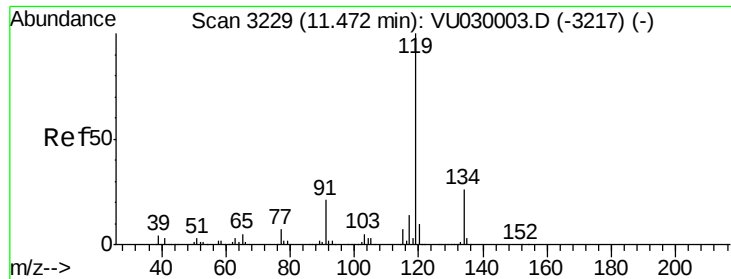
Ion Ratio Lower Upper

77 100

123 46.7 19.9 70.5

65 13.2 10.8 13.8





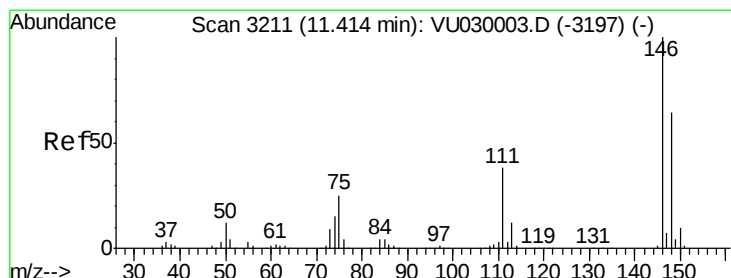
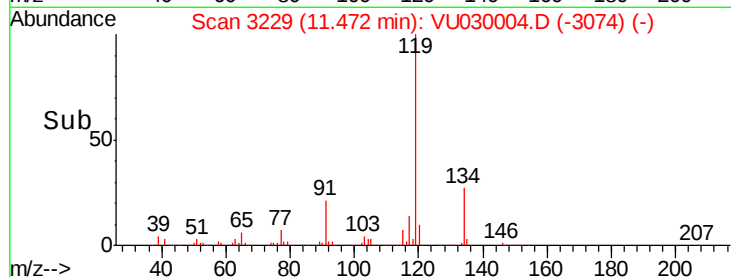
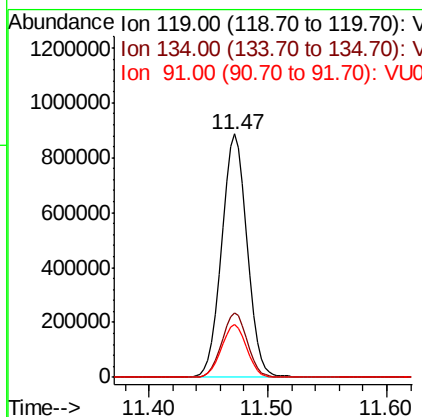
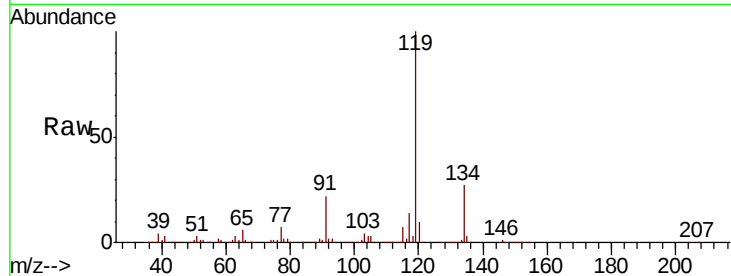
#81
p-Isopropyltoluene
Concen: 16.632 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	21.2	31.8
91	21.5	17.0	25.6

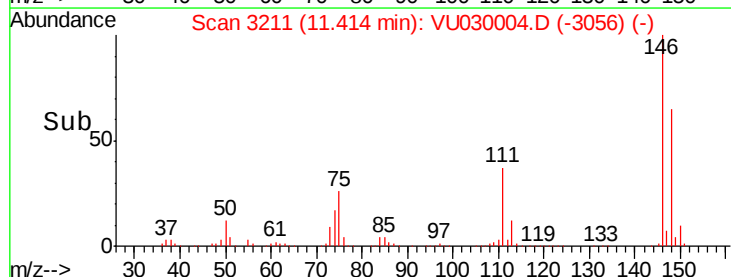
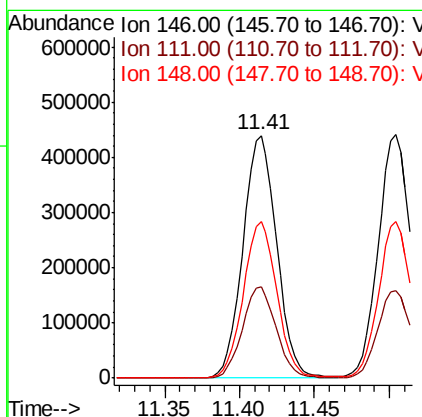
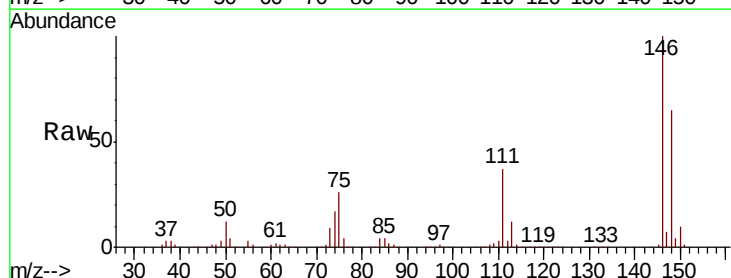
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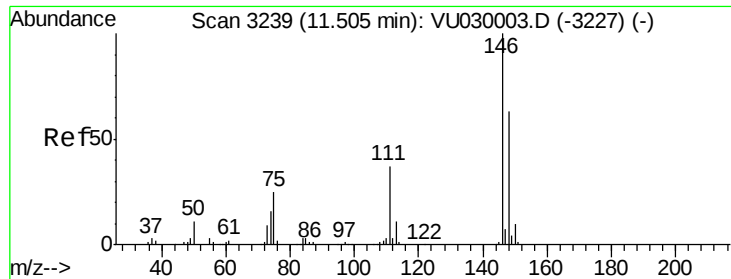
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#82
1,3-Dichlorobenzene
Concen: 15.536 ug/l
RT: 11.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	30.3	45.5
148	64.2	51.1	76.7





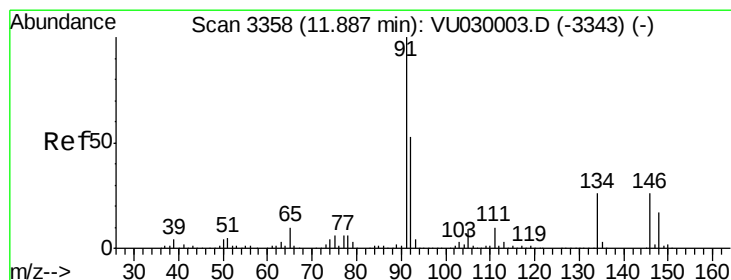
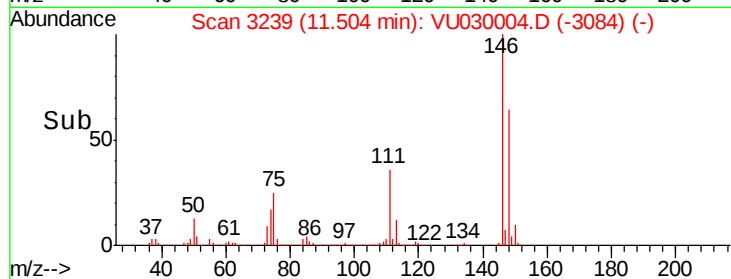
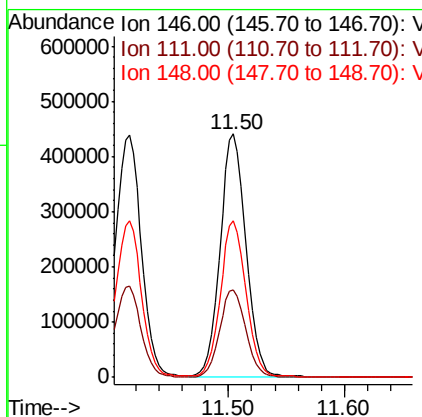
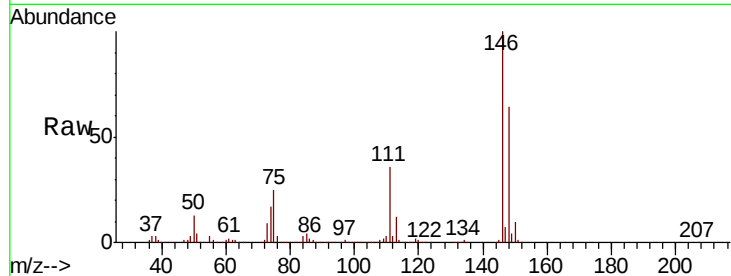
#83
 1,4-Dichlorobenzene
 Concen: 15.330 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030004.D
 Acq: 12 Mar 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	29.3	43.9
148	64.0	50.6	76.0

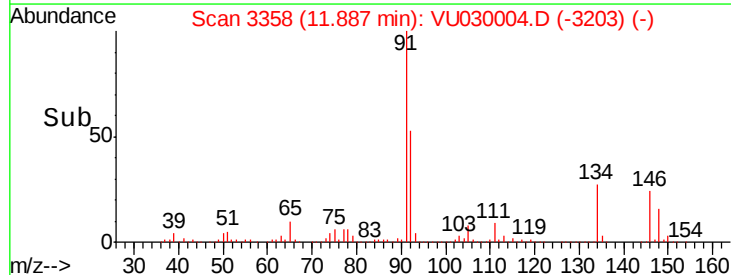
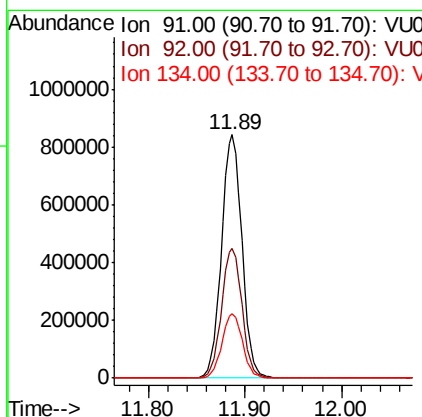
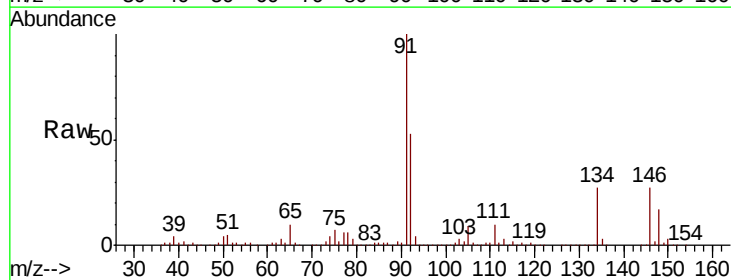
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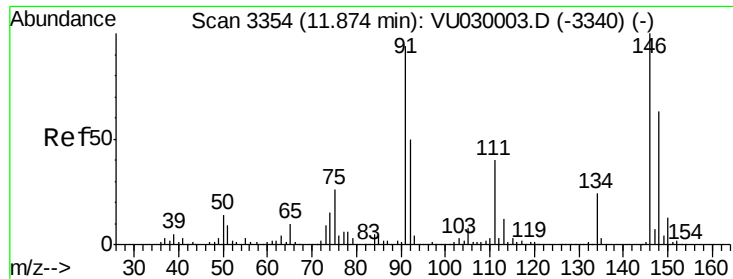
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#84
 n-Butylbenzene
 Concen: 16.780 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. -0.00 min
 Lab File: VU030004.D
 Acq: 12 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.3	42.4	63.6
134	26.7	21.4	32.0





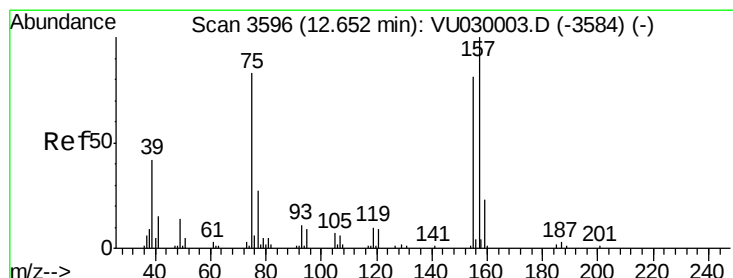
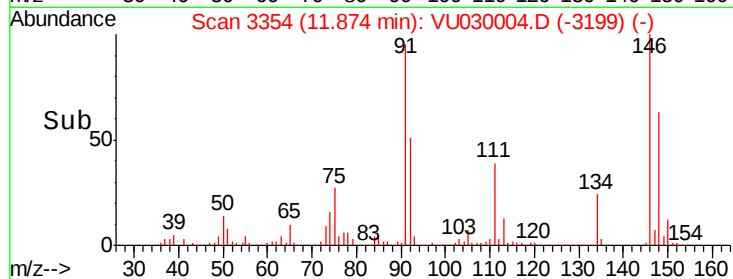
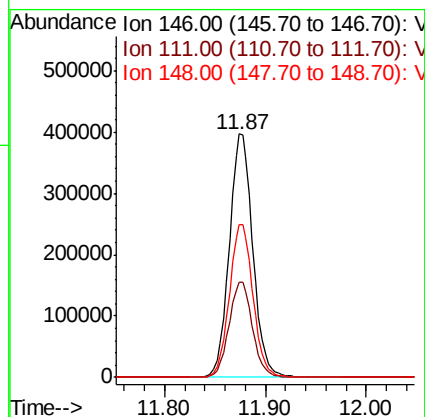
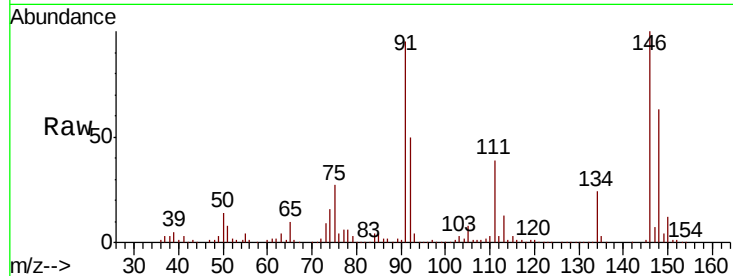
#85
 1,2-Dichlorobenzene
 Concen: 15.512 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030004.D
 Acq: 12 Mar 2019 12:15

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC015

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	642593		
111	39.4	19.9	59.7	
148	63.5	31.7	95.1	

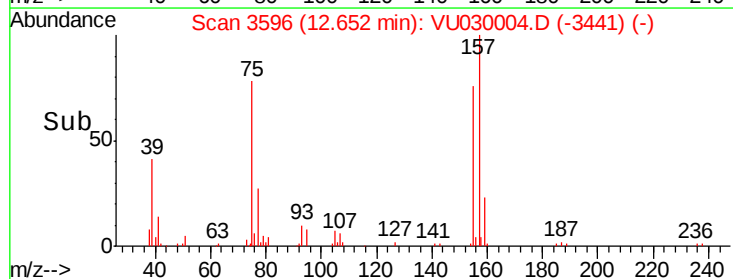
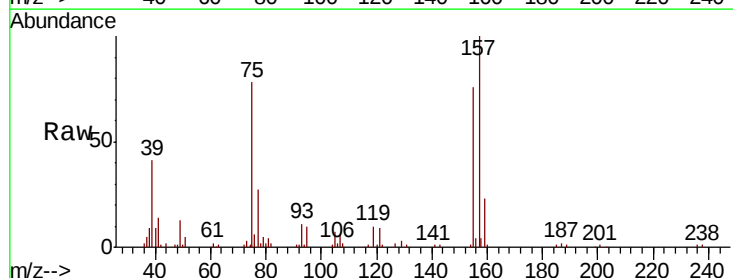
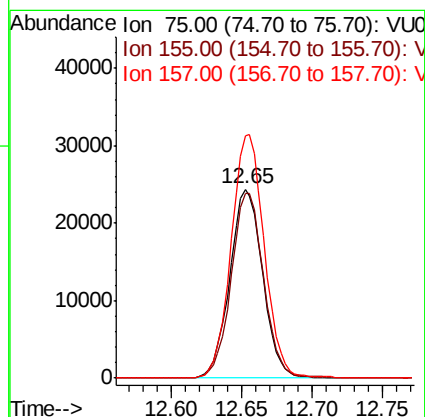
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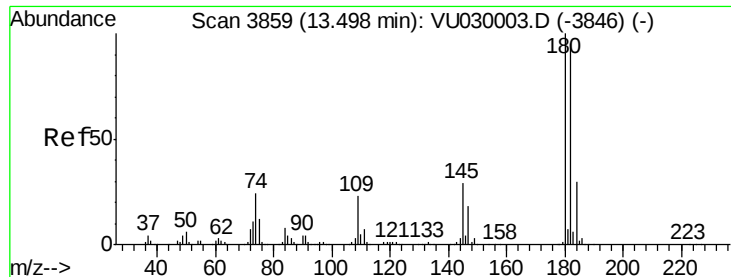
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 16.328 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU030004.D
 Acq: 12 Mar 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	39812		
155	96.5	78.2	117.4	
157	129.7	97.2	145.8	





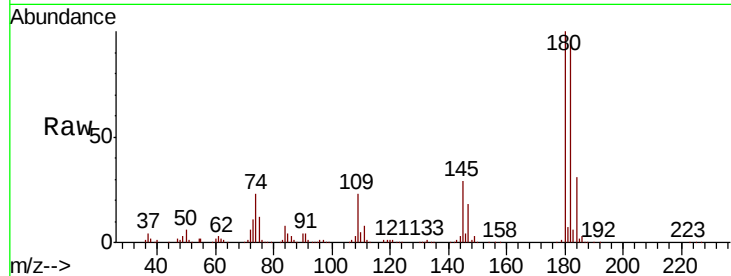
#87
 1,2,4-Trichlorobenzene
 Concen: 16.102 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030004.D
 Acq: 12 Mar 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	481353		
182	95.8	76.2	114.2	
145	29.1	23.0	34.6	

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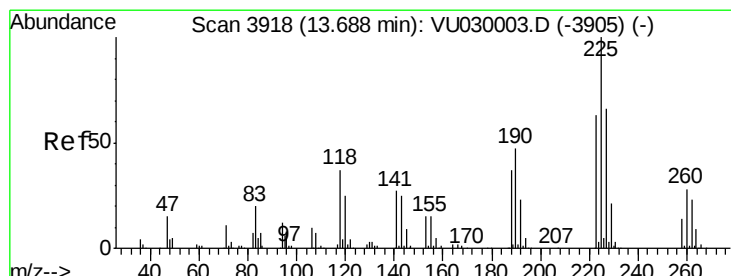
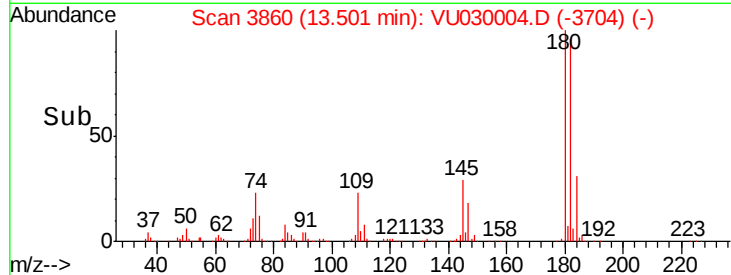
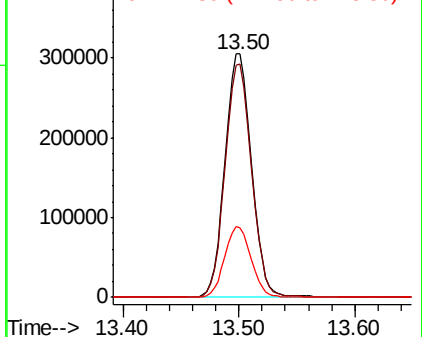


Abundance

Ion 179.70 (179.40 to 180.40): V

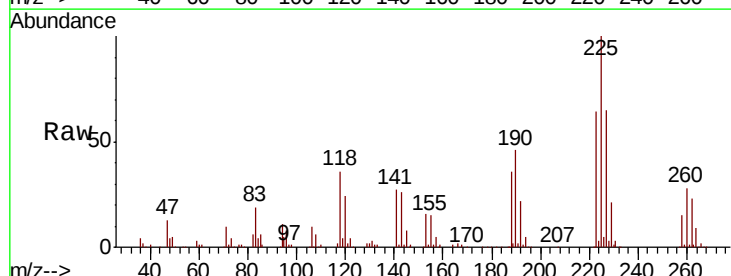
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88
 Hexachlorobutadiene
 Concen: 15.736 ug/l
 RT: 13.69 min Scan# 3919
 Delta R.T. 0.00 min
 Lab File: VU030004.D
 Acq: 12 Mar 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	254986		
223	64.1	50.7	76.1	
227	63.9	52.6	78.8	

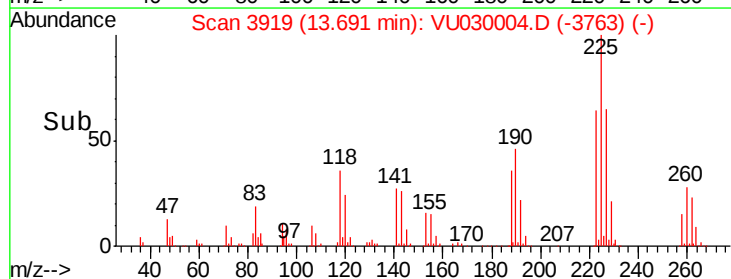
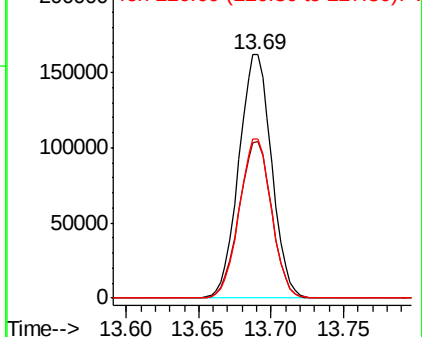


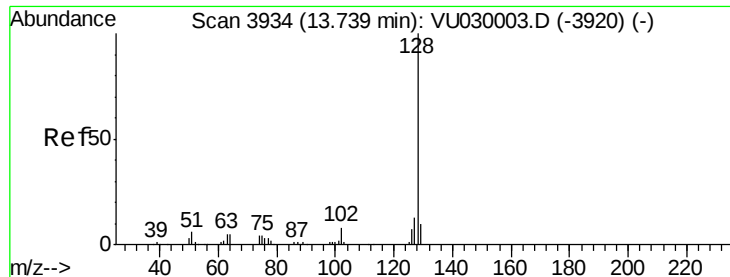
Abundance

Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





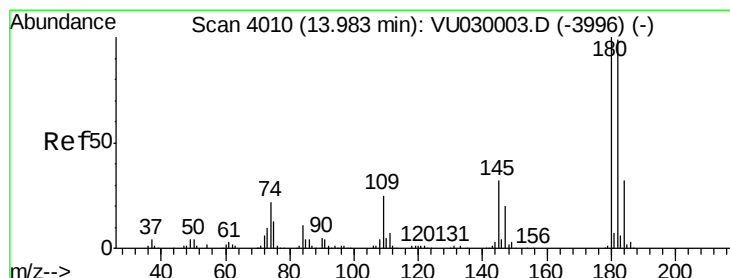
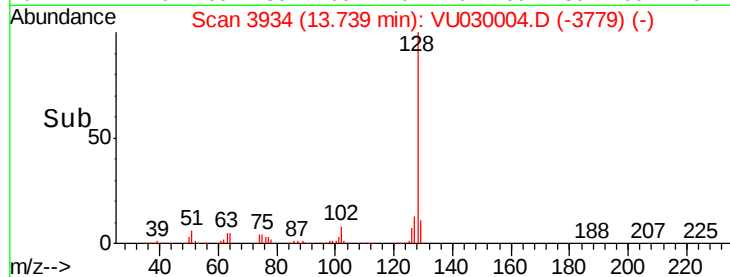
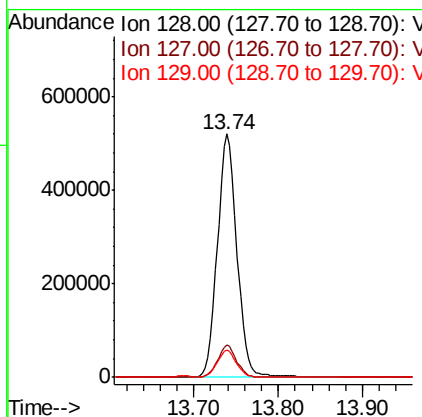
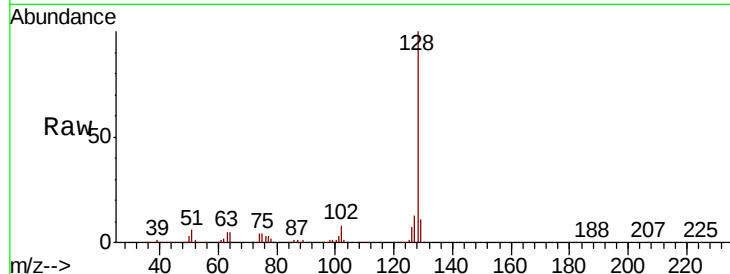
#89
Naphthalene
Concen: 17.907 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	11.1	8.5	12.7

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#90
1,2,3-Trichlorobenzene
Concen: 16.035 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. -0.00 min
Lab File: VU030004.D
Acq: 12 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.6	116.4
145	30.9	24.7	37.1

