

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041519\
 Data File : VU031199.D
 Acq On : 15 Apr 2019 21:27
 Operator : JC/SP
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 3:23:17 PM

Quant Time: Apr 16 04:30:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U041519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Apr 16 04:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	32717	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	12196	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	12666	1.14	ug/l	0.00
Spiked Amount 1.000			Recovery	=	114.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	25472	1.920	ug/l	97
3) Chloromethane	1.32	50	26936	1.718	ug/l	98
4) Vinyl Chloride	1.40	62	26131	1.746	ug/l	100
5) Bromomethane	1.63	94	16200	2.191	ug/l	97
6) Chloroethane	1.70	64	17643	2.027	ug/l	97
7) Trichlorofluoromethane	1.89	101	36504	2.046	ug/l	94
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	18740	2.086	ug/l	98
9) 1,1-Dichloroethene	2.29	96	18820	2.114	ug/l	99
10) Iodomethane	2.41	142	24857	2.145	ug/l	99
11) Allyl Chloride	2.59	41	36920	1.938	ug/l	98
12) Acrylonitrile	2.94	53	11737	4.055	ug/l	95
13) Acetone	2.33	43	22554	8.494	ug/l	98
14) Carbon Disulfide	2.48	76	71431	2.184	ug/l	100
15) Methylene Chloride	2.70	84	23925	1.970	ug/l	96
16) trans-1,2-Dichloroethene	2.98	96	20677	2.053	ug/l	99
17) 1,1-Dichloroethane	3.44	63	34792	1.765	ug/l	99
18) 2-Butanone	4.29	43	25755	7.610	ug/l	99
19) Cyclohexane	4.99	56	23023	1.448	ug/l	95
20) Methylcyclohexane	6.41	83	21655	1.569	ug/l	91
21) 2,2-Dichloropropane	4.23	77	26529	1.742	ug/l	99
22) cis-1,2-Dichloroethene	4.22	96	17489	1.720	ug/l	91
23) Diethyl Ether	2.10	59	17951	2.004	ug/l	99
24) tert-Butyl Alcohol	2.87	59	18766m	17.930	ug/l	
25) Methyl tert-Butyl Ether	3.00	73	54896	1.972	ug/l	96
26) Bromochloromethane	4.54	128	8449	1.918	ug/l	95
27) Chloroform	4.67	83	34300	1.837	ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	28777	1.872	ug/l	99
29) 1,1-Dichloropropene	5.13	75	22507	1.672	ug/l	97
30) Carbon Tetrachloride	5.13	117	24707	1.841	ug/l	98
31) Isopropyl Ether	3.57	45	49159	1.535	ug/l	98
32) Ethyl-t-butyl ether	4.07	59	39859	1.532	ug/l	96
33) Tert-Amyl methyl ether	5.58	73	34660	1.584	ug/l #	96
34) Propionitrile	4.34	54	6543m	7.778	ug/l	
35) Benzene	5.39	78	69958	1.750	ug/l	100
36) 1,2-Dichloroethane	5.40	62	22591	1.777	ug/l	96
37) Trichloroethene	6.18	130	19341	1.988	ug/l	97
38) 1,2-Dichloropropane	6.43	63	17986	1.578	ug/l	96
39) Methacrylonitrile	4.56	41	6344	1.525	ug/l	92
40) Methyl acrylate	4.44	55	7183	1.405	ug/l #	81
41) Tetrahydrofuran	4.66	42	6495	2.901	ug/l #	91
42) 1-Chlorobutane	5.06	56	32398	1.584	ug/l	95

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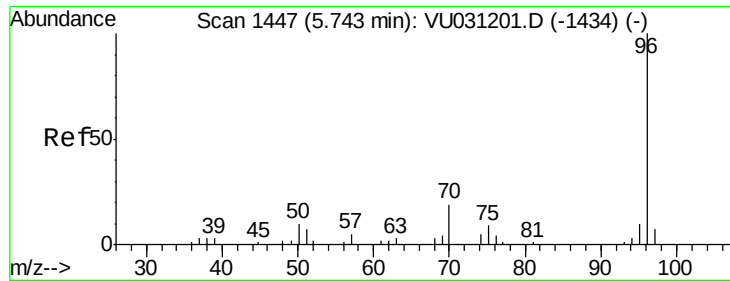
Manual Integrations
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Quant Time: Apr 16 04:30:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U041519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Apr 16 04:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	10155	1.899	ug/l	99
44) Bromodichloromethane	6.76	83	24218	1.734	ug/l	98
45) 4-Methyl-2-Pentanone	7.46	43	56543	7.435	ug/l	98
46) t-1,4-Dichloro-2-butene	10.51	75	8142m	3.110	ug/l	
47) Methyl methacrylate	6.63	69	16779	3.443	ug/l	91
48) Ethyl methacrylate	8.02	69	14789	1.620	ug/l	100
49) Toluene	7.63	92	36919	1.693	ug/l	96
50) t-1,3-Dichloropropene	7.88	75	19235	1.606	ug/l	94
51) cis-1,3-Dichloropropene	7.27	75	23900	1.661	ug/l	93
52) 1,1,2-Trichloroethane	8.06	97	13694	1.795	ug/l	95
53) 1,3-Dichloropropane	8.24	76	22793	1.707	ug/l	99
54) 2-Hexanone	8.37	43	39680	7.866	ug/l	93
55) Dibromochloromethane	8.48	129	15555	1.795	ug/l	98
56) 1,2-Dibromoethane	8.58	107	12872	1.870	ug/l	97
58) Tetrachloroethene	8.22	164	16661	1.927	ug/l	94
59) Chlorobenzene	9.12	112	42547	1.784	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	16307	1.812	ug/l	98
61) Pentachloroethane	11.10	117	12542	1.819	ug/l	98
62) Hexachloroethane	12.14	117	12054	1.840	ug/l	99
63) Ethyl Benzene	9.25	91	64729	1.639	ug/l	99
64) m/p-Xylenes	9.37	106	47600	3.297	ug/l	98
65) o-Xylene	9.78	106	23941	1.706	ug/l	98
66) Styrene	9.79	104	38386	1.584	ug/l	98
67) Bromoform	9.95	173	9219	1.851	ug/l	100
69) Isopropylbenzene	10.16	105	62338	1.665	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	17838	1.778	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	13716m	1.798	ug/l	
72) Bromobenzene	10.45	156	17841	1.885	ug/l	99
73) n-propylbenzene	10.58	120	16404	1.642	ug/l	91
74) 2-Chlorotoluene	10.66	126	15917	1.746	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	54040	1.704	ug/l	98
76) 4-Chlorotoluene	10.77	126	16175	1.739	ug/l	98
77) tert-Butylbenzene	11.10	119	53384	1.727	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	54374	1.683	ug/l	98
79) sec-Butylbenzene	11.32	105	71559	1.704	ug/l	99
80) Nitrobenzene	12.88	77	2392m	8.012	ug/l	
81) p-Isopropyltoluene	11.47	119	57531	1.747	ug/l	98
82) 1,3-Dichlorobenzene	11.41	146	34718	1.852	ug/l	100
83) 1,4-Dichlorobenzene	11.51	146	35396	1.910	ug/l	95
84) n-Butylbenzene	11.89	91	53339	1.612	ug/l	97
85) 1,2-Dichlorobenzene	11.88	146	32721	1.837	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	2692	1.719	ug/l	95
87) 1,2,4-Trichlorobenzene	13.50	180	17967	1.689	ug/l	96
88) Hexachlorobutadiene	13.69	225	13187	2.065	ug/l	96
89) Naphthalene	13.74	128	27957	1.492	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	18547	1.753	ug/l	97

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1447

Delta R.T. 0.00 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Instrument :

MSVOA_U

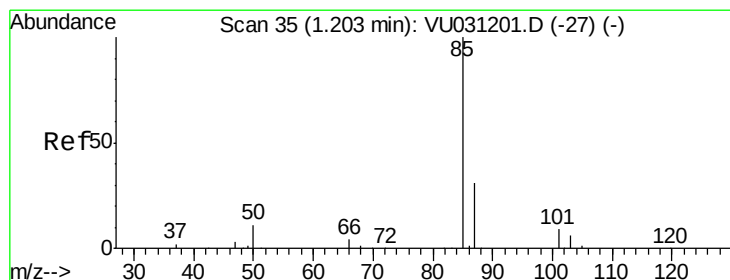
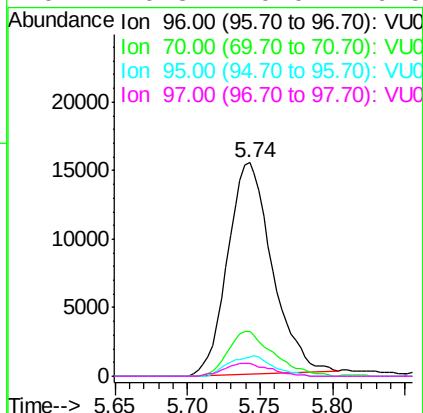
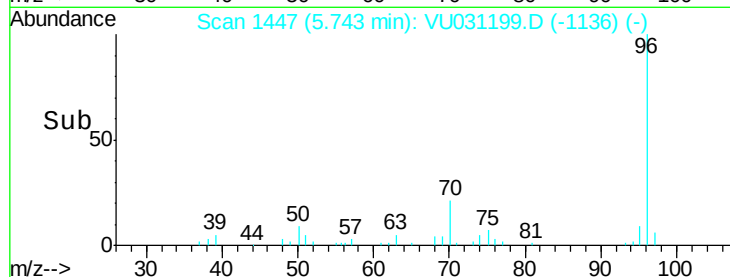
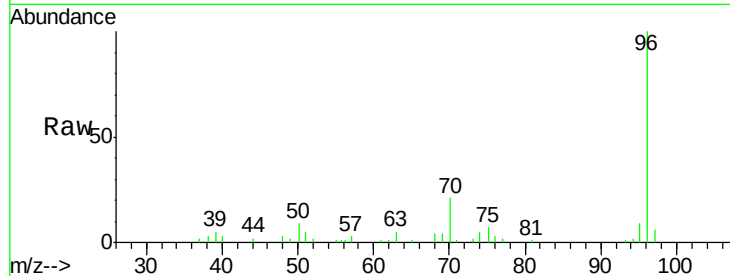
ClientSampleId :

VSTDIC002

Tot Ion:	96	Resp:	32717
Ion	Ratio	Lower	Upper
96	100		
70	21.7	18.4	27.6
95	9.5	7.6	11.4
97	6.3	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 1.920 ug/l

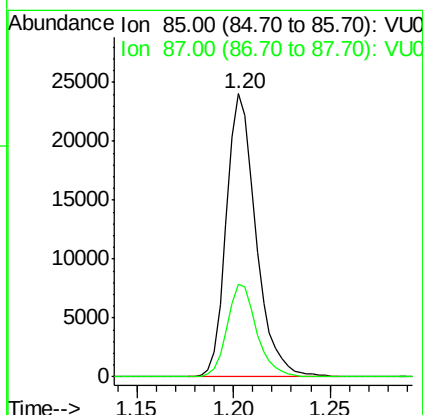
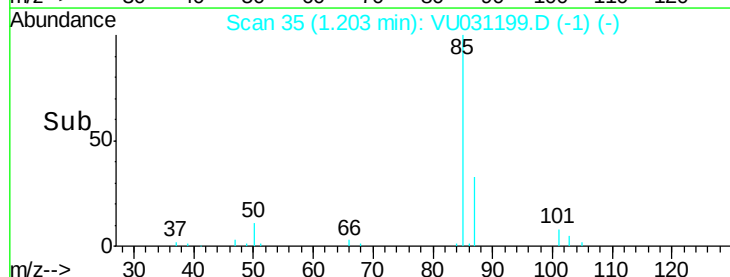
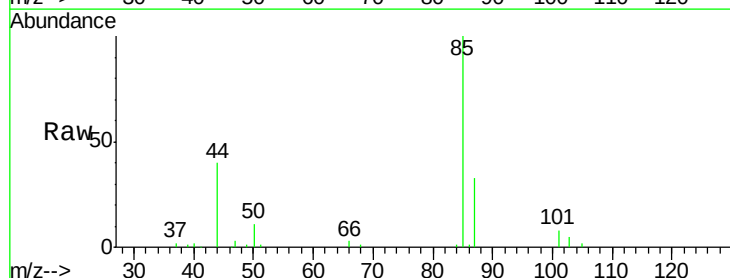
RT: 1.20 min Scan# 35

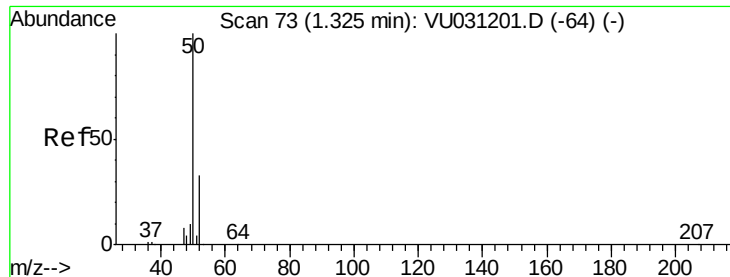
Delta R.T. 0.00 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Tgt Ion:	85	Resp:	25472
Ion	Ratio	Lower	Upper
85	100		
87	32.9	15.8	47.3





#3

Chloromethane

Concen: 1.718 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 50 Resp: 26936

Ion Ratio Lower Upper

50 100

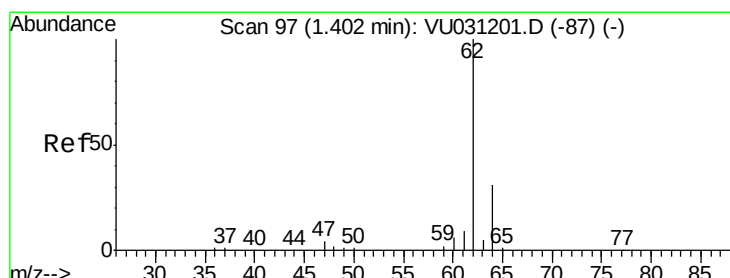
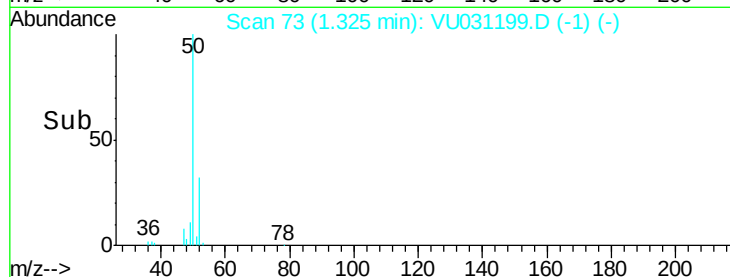
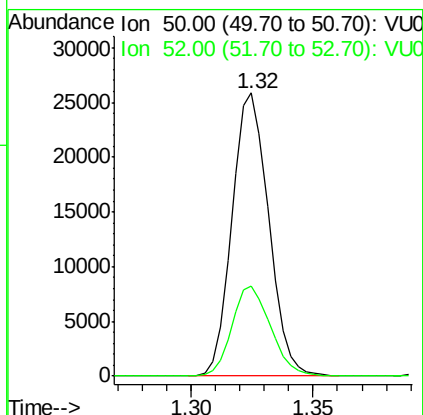
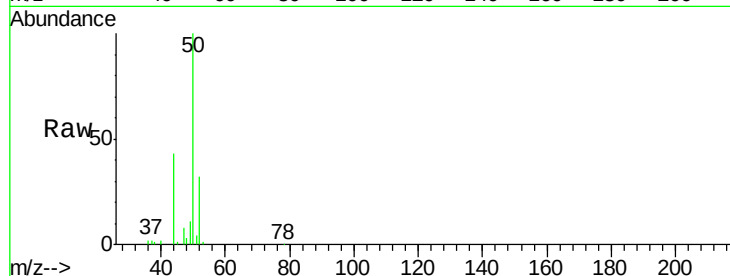
52 31.8 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 1.746 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031199.D

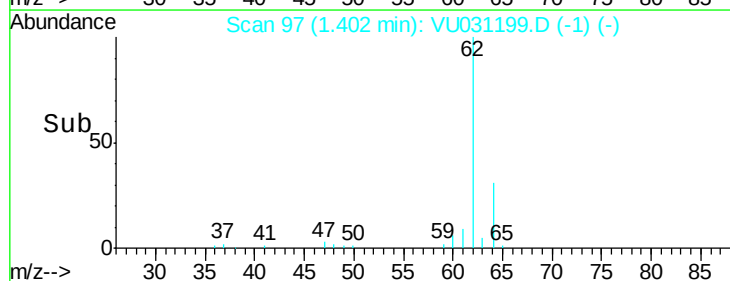
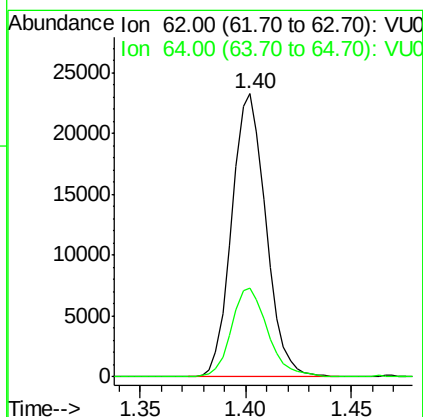
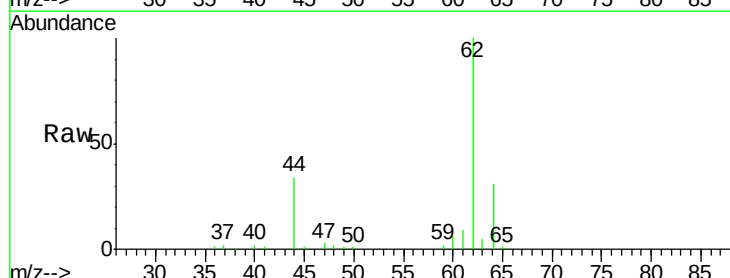
Acq: 15 Apr 2019 21:27

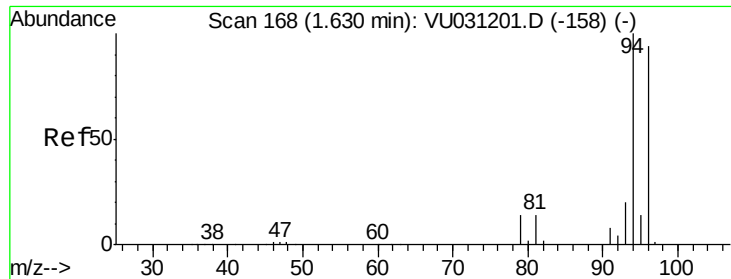
Tgt Ion: 62 Resp: 26131

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.6





#5

Bromomethane

Concen: 2.191 ug/l

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 94 Resp: 16200

Ion Ratio Lower Upper

94 100

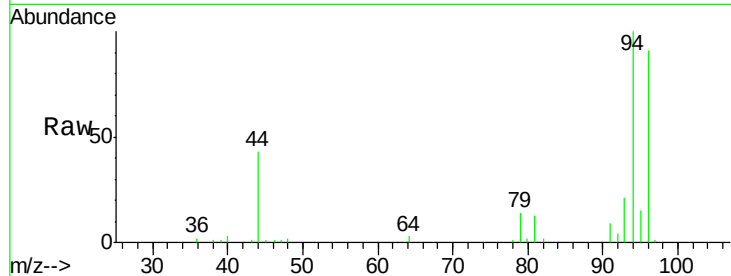
96 90.6 75.0 112.6

Manual Integrations

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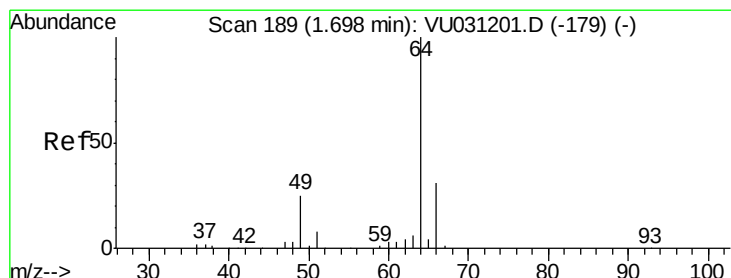
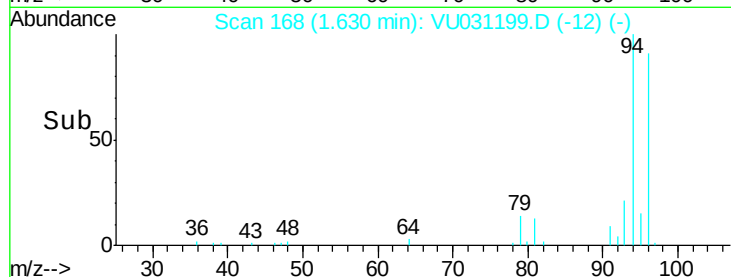
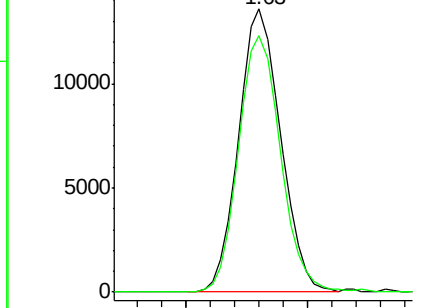
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Abundance Ion 94.00 (93.70 to 94.70): VU031199.D (-12) (-)

Ion 96.00 (95.70 to 96.70): VU031199.D (-12) (-)



#6

Chloroethane

Concen: 2.027 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031199.D

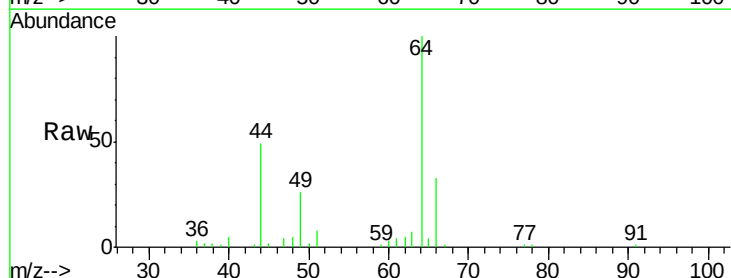
Acq: 15 Apr 2019 21:27

Tgt Ion: 64 Resp: 17643

Ion Ratio Lower Upper

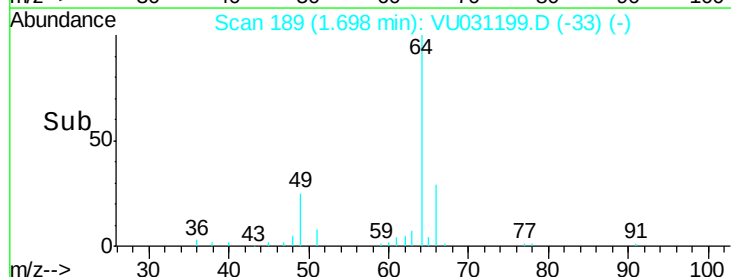
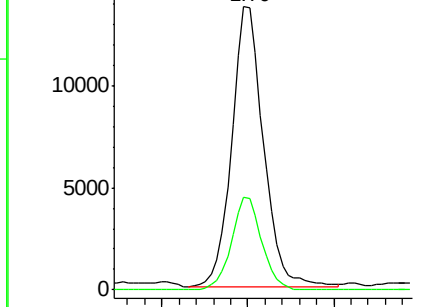
64 100

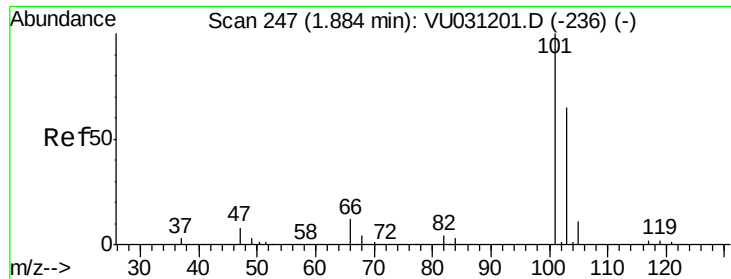
66 33.0 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU031199.D (-33) (-)

Ion 66.00 (65.70 to 66.70): VU031199.D (-33) (-)





#7

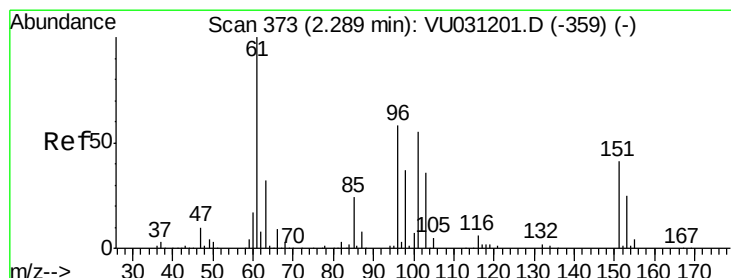
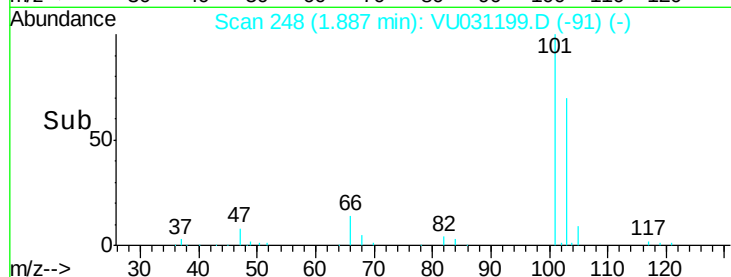
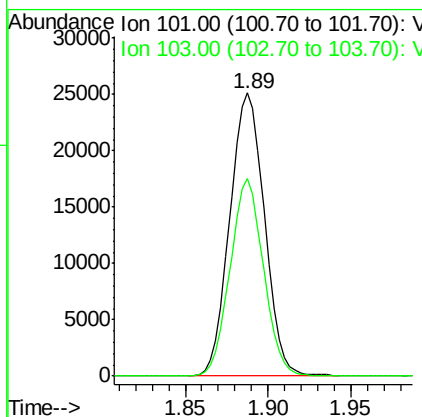
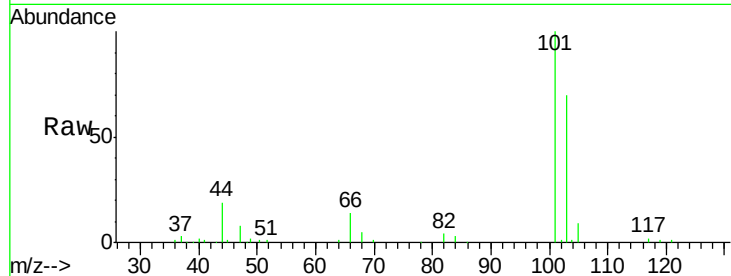
Trichlorofluoromethane
 Concen: 2.046 ug/l
 RT: 1.89 min Scan# 248
 Delta R.T. 0.00 min
 Lab File: VU031199.D
 Acq: 15 Apr 2019 21:27

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Tot Ion	Ratio	Lower	Upper
101	100		
103	69.6	51.8	77.8

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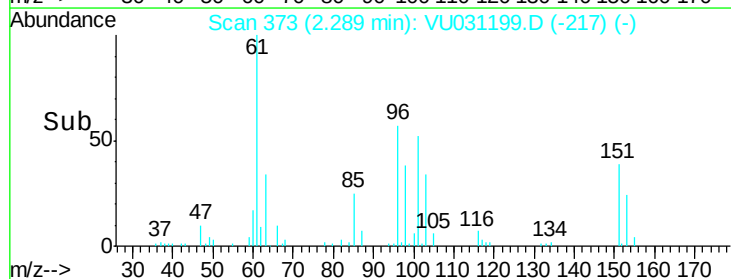
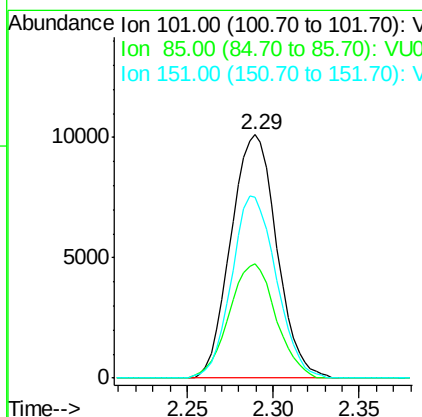
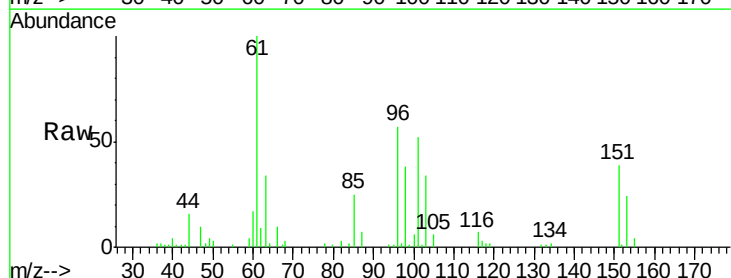
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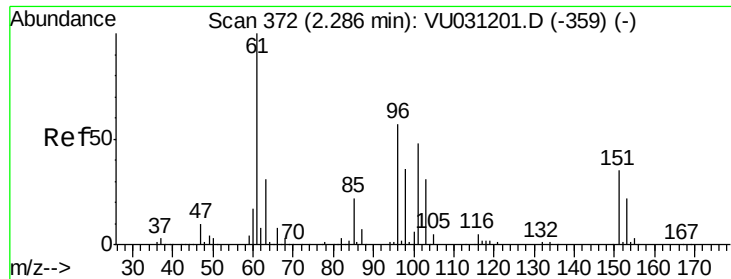


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.086 ug/l
 RT: 2.29 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VU031199.D
 Acq: 15 Apr 2019 21:27

Tgt Ion	Ratio	Lower	Upper
101	100		
85	47.7	36.1	54.1
151	73.0	58.2	87.2





#9

1,1-Dichloroethene

Concen: 2.114 ug/l

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Instrument :

MSVOA_U

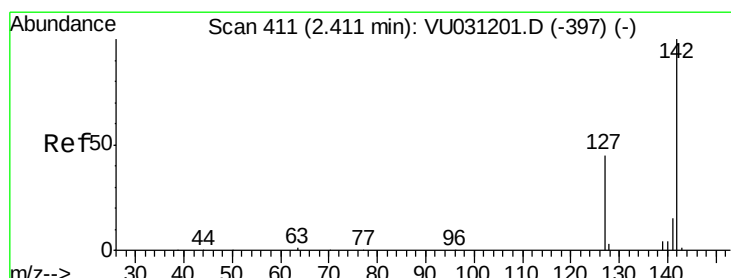
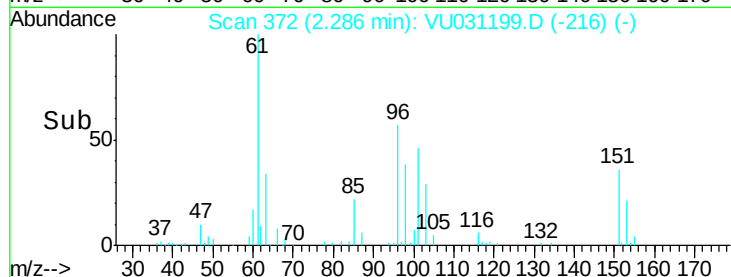
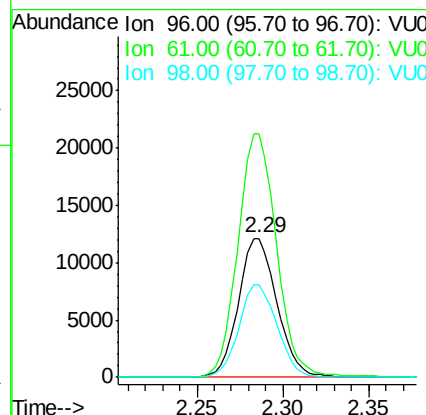
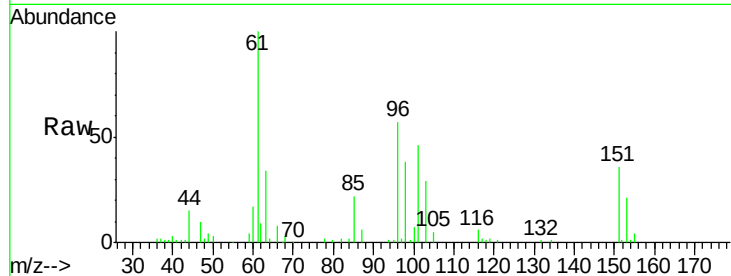
ClientSampleId :

VSTDIC002

Tot Ion:	96	Resp:	18820
Ion Ratio	Lower	Upper	
96	100		
61	175.4	0.0	527.7
98	66.9	0.0	127.6

Manual Integrations
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#10

Iodomethane

Concen: 2.145 ug/l

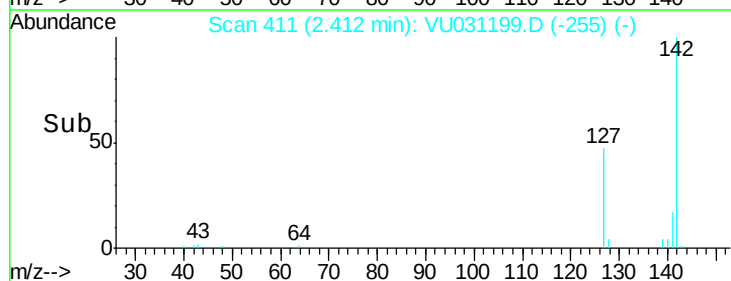
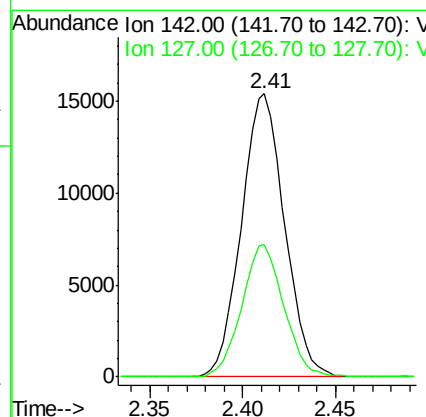
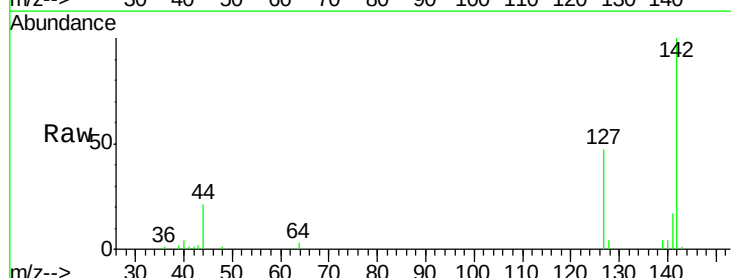
RT: 2.41 min Scan# 411

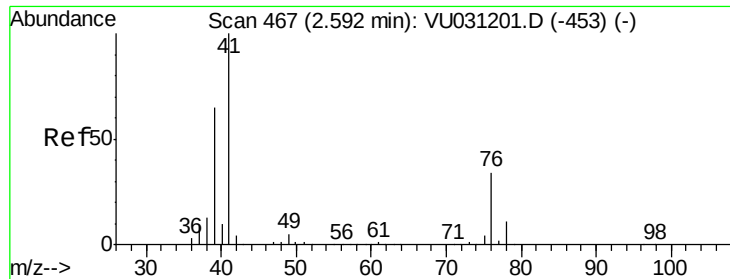
Delta R.T. 0.00 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Tgt Ion:	142	Resp:	24857
Ion Ratio	Lower	Upper	
142	100		
127	45.5	35.9	53.9





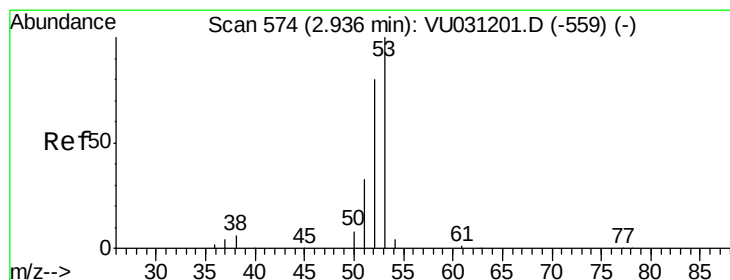
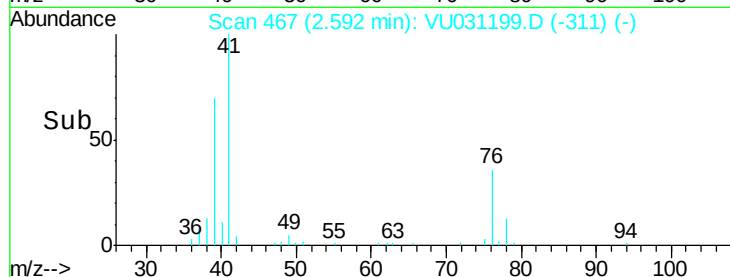
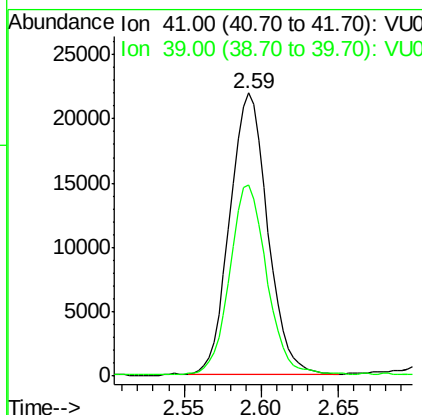
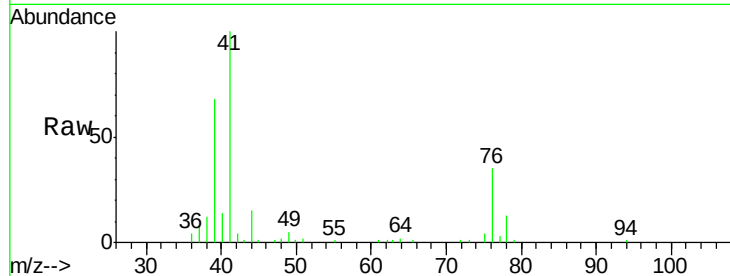
#11
Allvl Chloride
Concen: 1.938 ug/l
RT: 2.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	41	Resp	36920
Ion Ratio	100	Lower	Upper
39	66.3	51.9	77.9

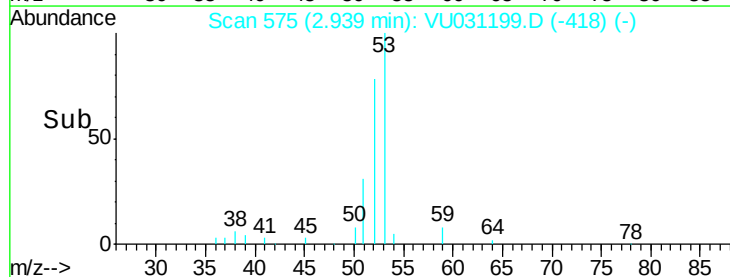
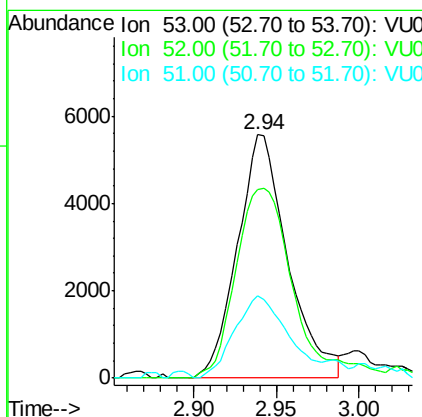
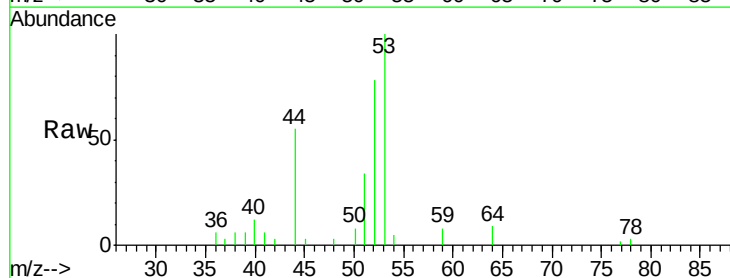
Manual Integrations
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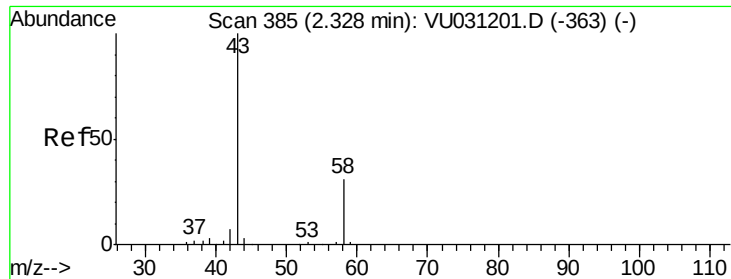
MMDadoda
4/16/2019 3:23:17 PM



#12
Acrylonitrile
Concen: 4.055 ug/l
RT: 2.94 min Scan# 575
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Tgt Ion	53	Resp	11737
Ion Ratio	100	Lower	Upper
52	89.5	67.8	101.8
51	36.0	26.9	40.3





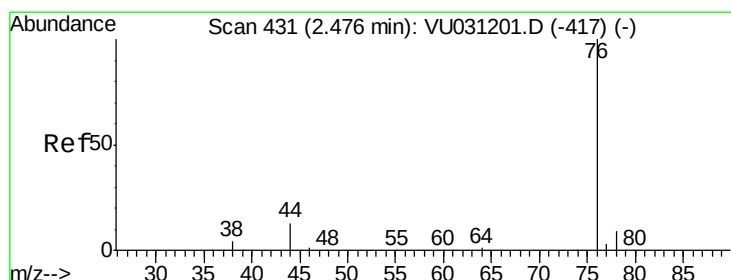
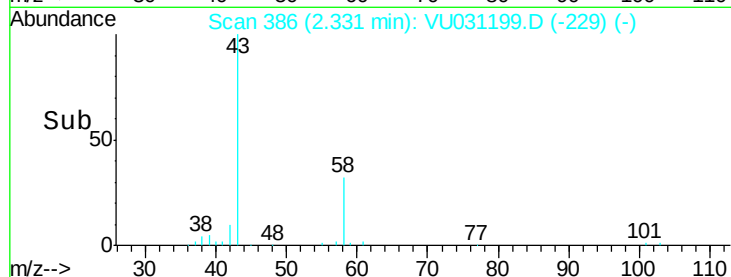
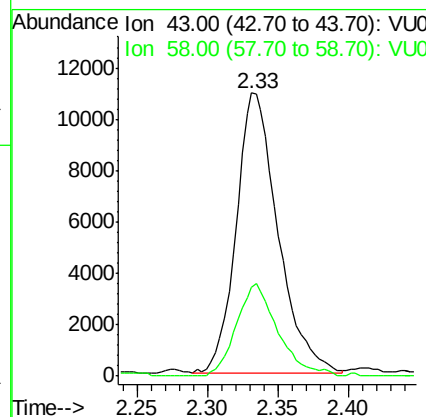
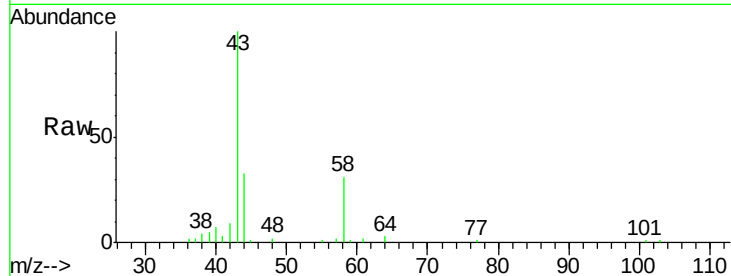
#13
Acetone
Concen: 8.494 ug/l
RT: 2.33 min Scan# 386
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion: 43 Resp: 22554
Ion Ratio Lower Upper
43 100
58 31.7 24.7 37.1

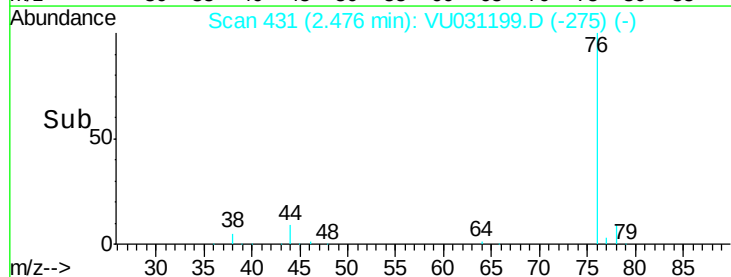
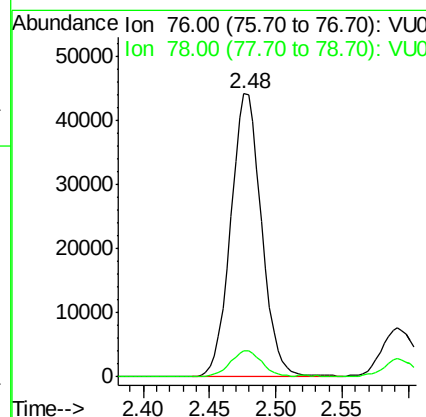
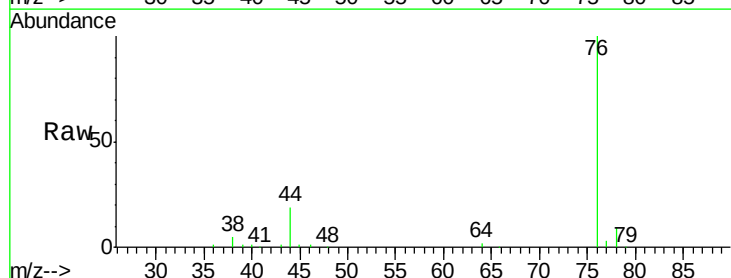
Manual Integrations
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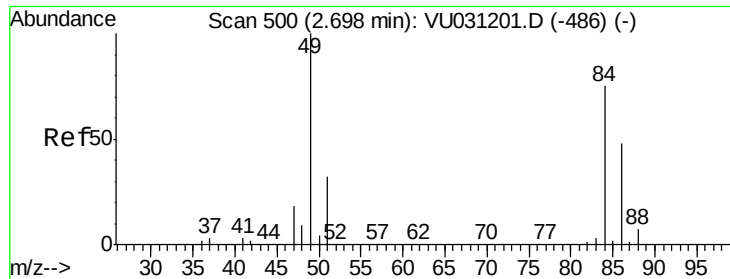
MMDadoda
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#14
Carbon Disulfide
Concen: 2.184 ug/l
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Tgt Ion: 76 Resp: 71431
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8





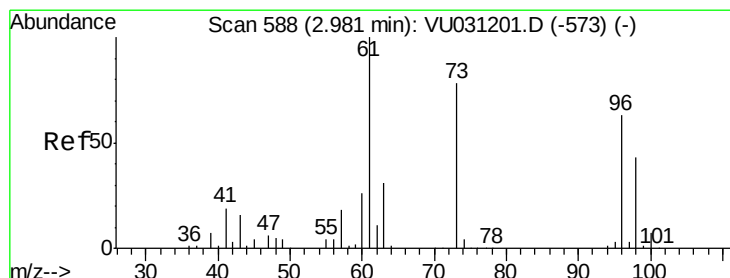
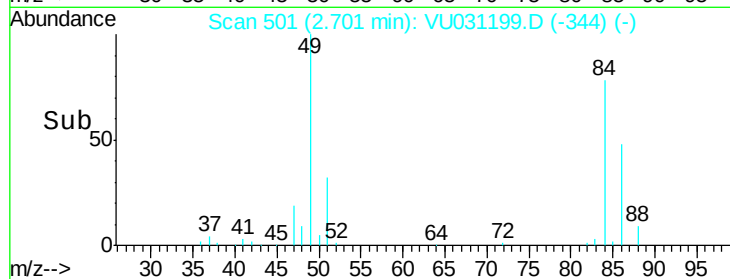
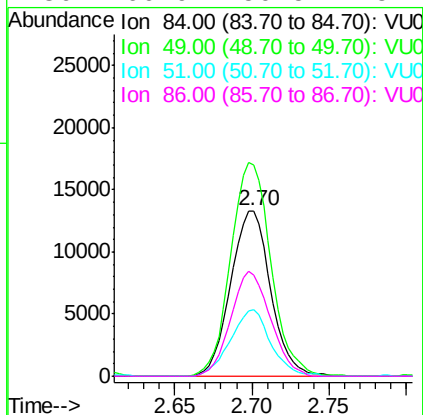
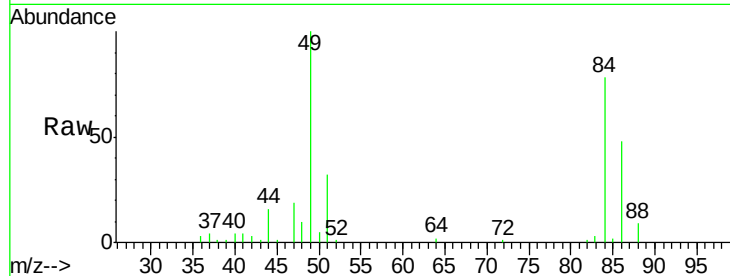
#15
Methylene Chloride
Concen: 1.970 ug/l
RT: 2.70 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	84	Resp	23925
Ion	Ratio	Lower	Upper
84	100		
49	127.5	106.1	159.1
51	40.3	0.0	84.2
86	60.9	50.5	75.7

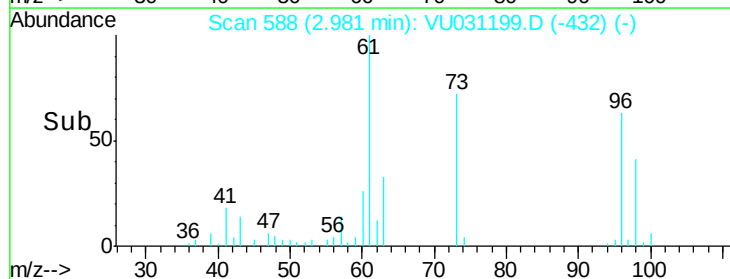
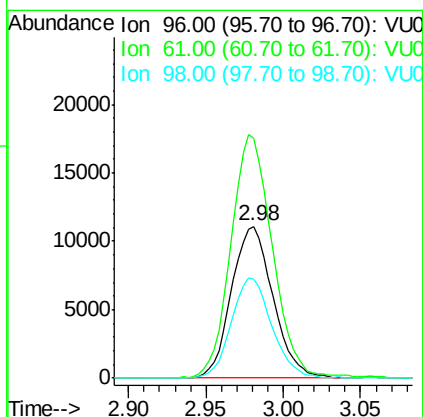
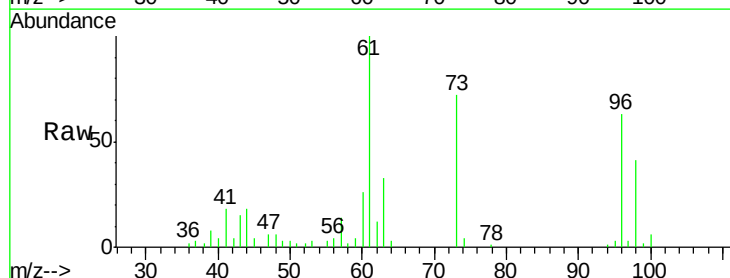
Manual Integrations
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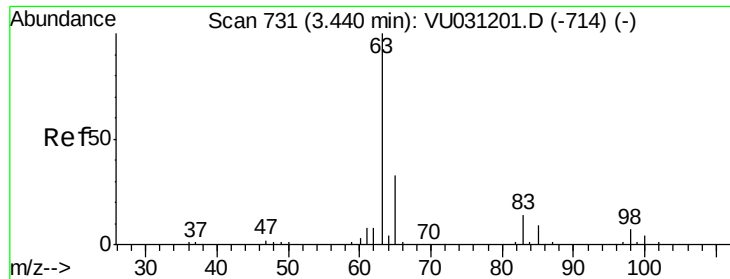
MMDadoda
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#16
trans-1,2-Dichloroethene
Concen: 2.053 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Tgt Ion	96	Resp	20677
Ion	Ratio	Lower	Upper
96	100		
61	158.3	126.6	189.8
98	65.6	53.9	80.9





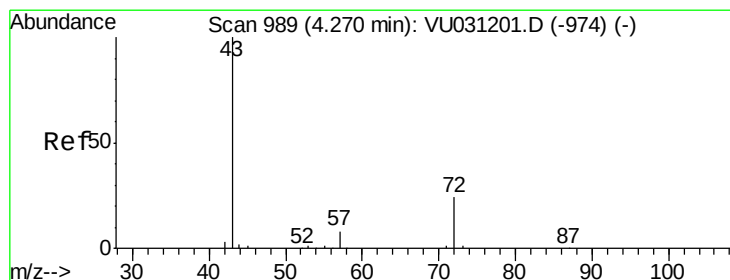
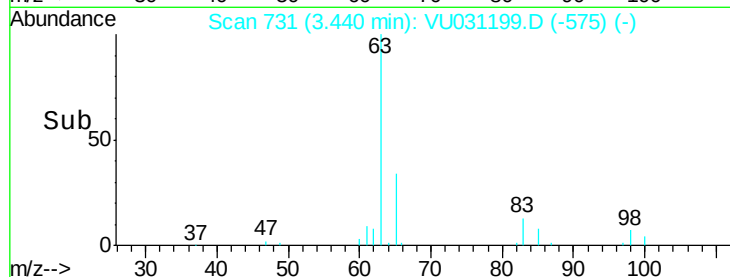
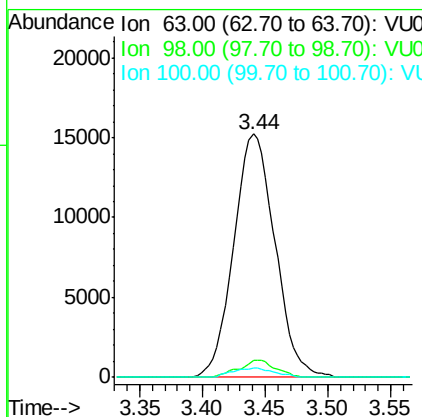
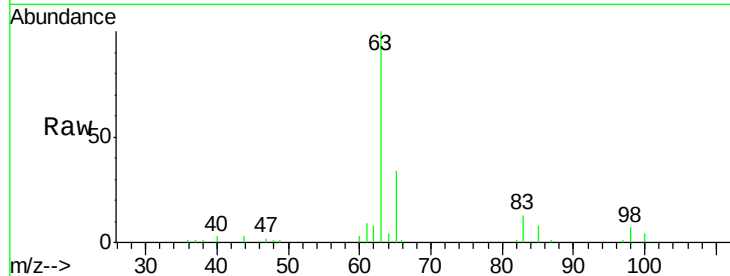
#17
 1,1-Dichloroethane
 Concen: 1.765 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031199.D
 Acq: 15 Apr 2019 21:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
63	100	34792		
98	6.8		3.3	9.8
100	3.6		2.0	5.8

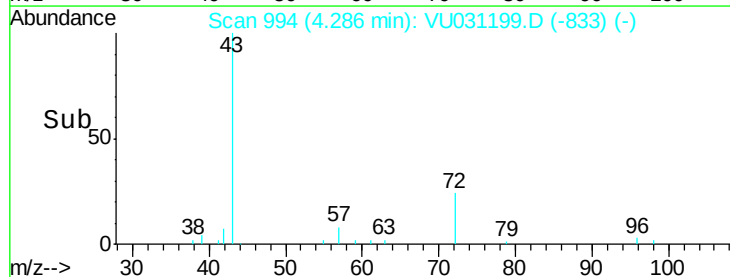
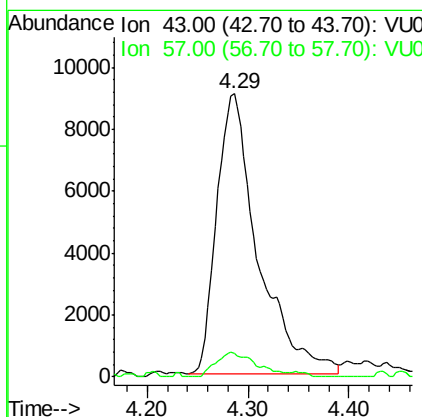
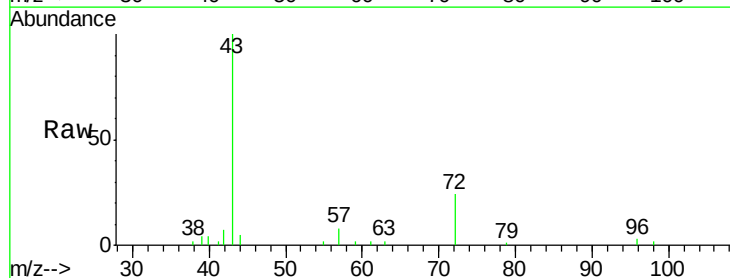
Manual Integrations
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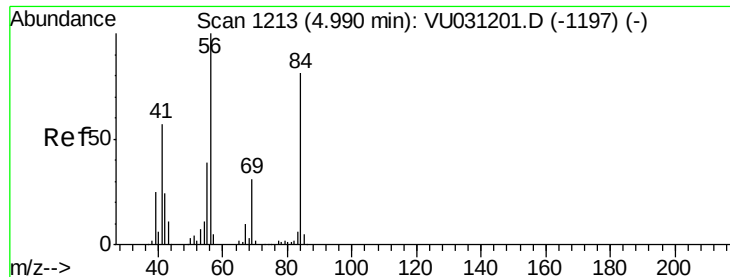
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#18
 2-Butanone
 Concen: 7.610 ug/l
 RT: 4.29 min Scan# 994
 Delta R.T. 0.02 min
 Lab File: VU031199.D
 Acq: 15 Apr 2019 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	25755		
57	8.6		0.0	16.2





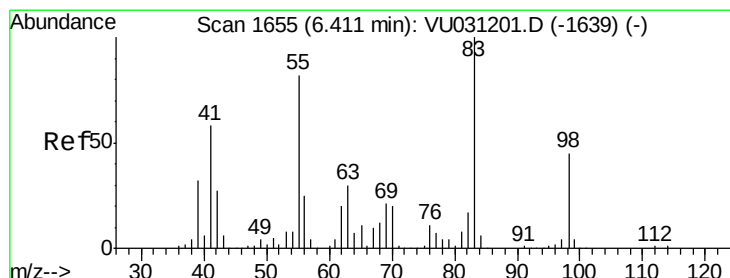
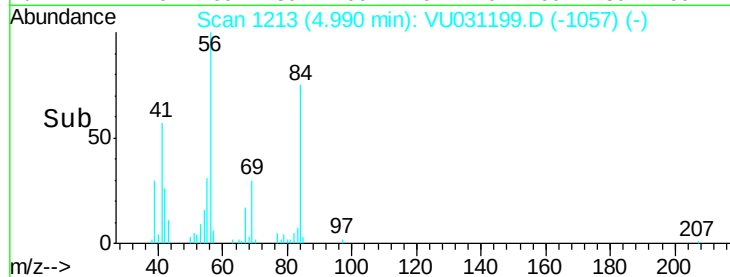
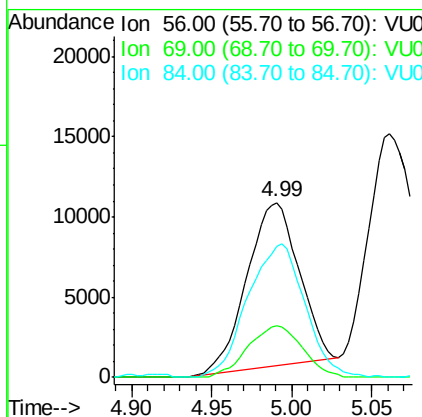
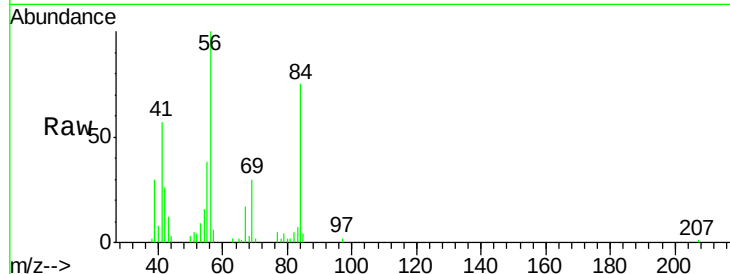
#19
Cyclohexane
Concen: 1.448 ug/l
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	28.3	42.5
84	88.6	75.2	112.8

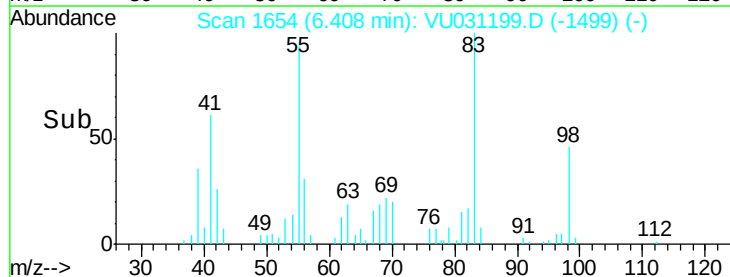
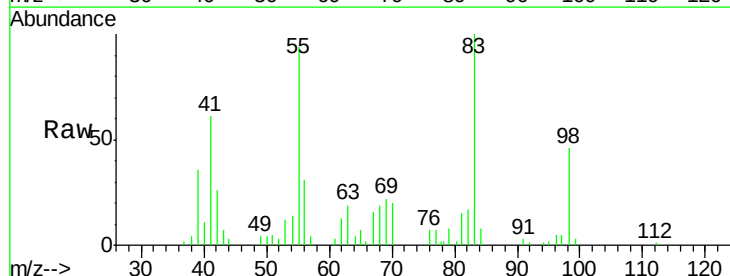
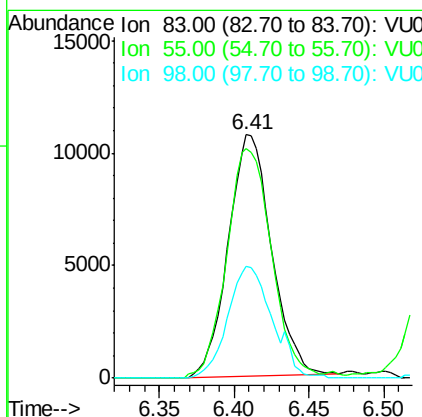
Manual Integrations
APPROVED

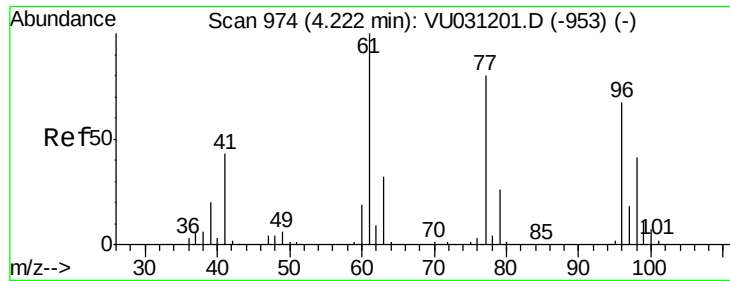
MMDadoda
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#20
Methylcyclohexane
Concen: 1.569 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Tgt Ion	Ratio	Lower	Upper
83	100		
55	95.7	68.2	102.2
98	47.9	35.8	53.8





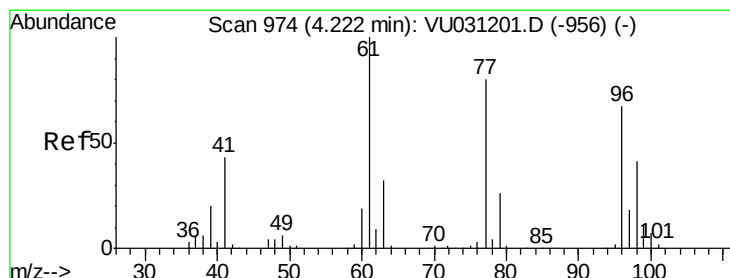
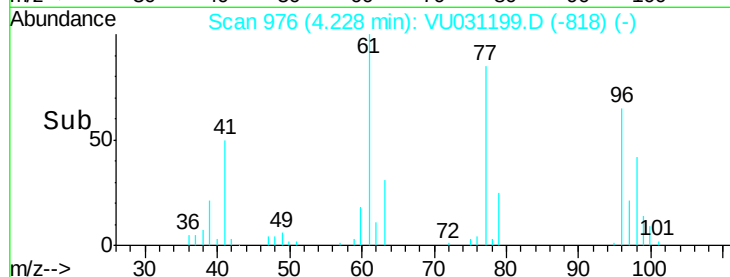
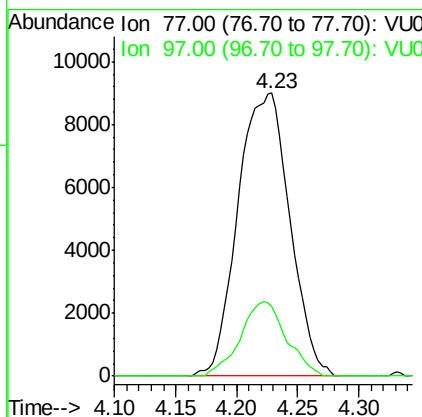
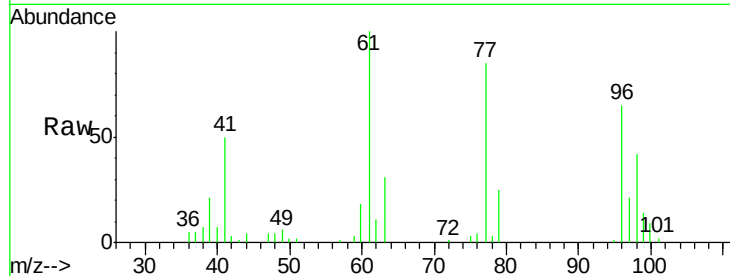
#21
 2,2-Dichloropropane
 Concen: 1.742 ug/l
 RT: 4.23 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VU031199.D
 Acq: 15 Apr 2019 21:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion: 77 Resp: 26529
 Ion Ratio Lower Upper
 77 100
 97 23.3 18.2 27.2

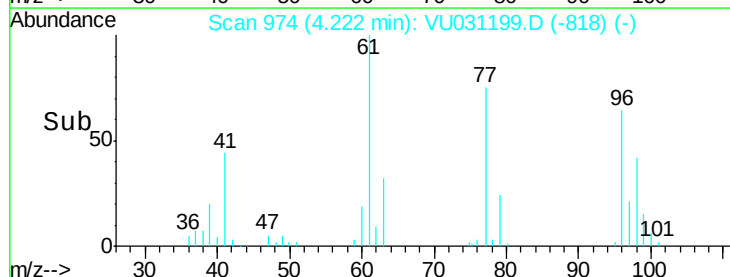
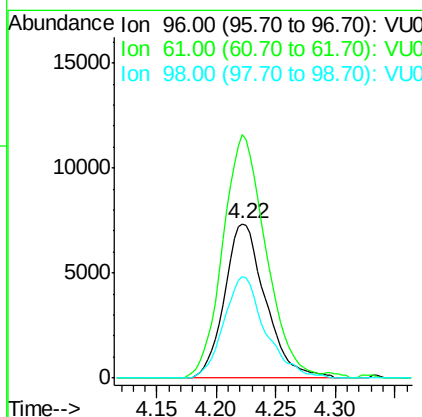
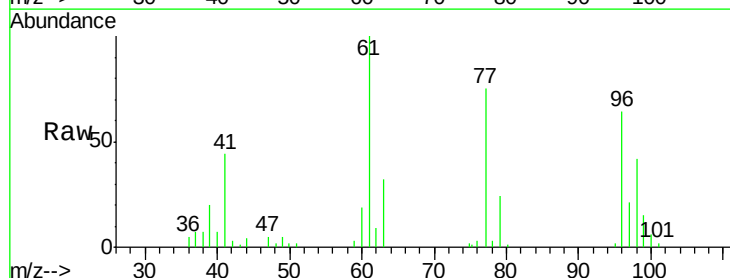
Manual Integrations
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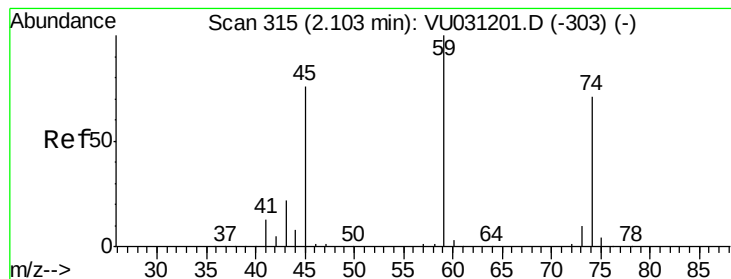
MMDadoda
 4/16/2019 3:23:17 PM



#22
 cis-1,2-Dichloroethene
 Concen: 1.720 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031199.D
 Acq: 15 Apr 2019 21:27

Tgt Ion: 96 Resp: 17489
 Ion Ratio Lower Upper
 96 100
 61 166.1 0.0 380.0
 98 67.0 32.3 96.9





#23

Diethyl Ether

Concen: 2.004 ug/l

RT: 2.10 min Scan# 315

Delta R.T. 0.00 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Instrument :

MSVOA_U

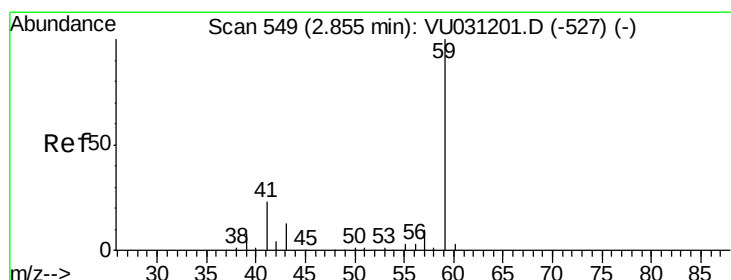
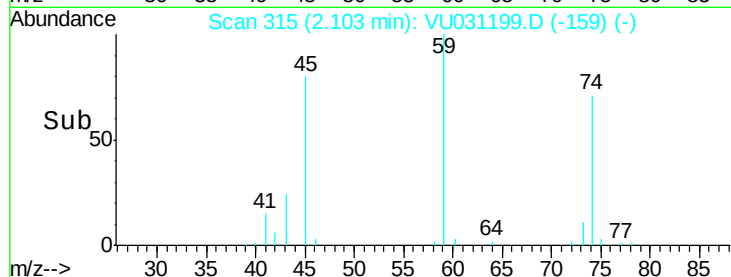
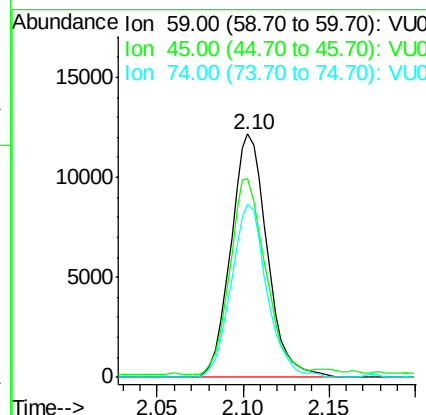
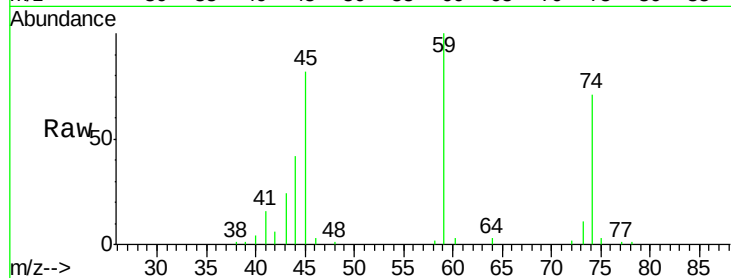
ClientSampleId :

VSTDIC002

Tot Ion:	59	Resp:	17951
Ion	Ratio	Lower	Upper
59	100		
45	78.9	61.8	92.6
74	69.7	55.8	83.8

Manual Integrations
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4/16/2019 3:23:17 PM



#24

tert-Butyl Alcohol

Concen: 17.930 ug/l m

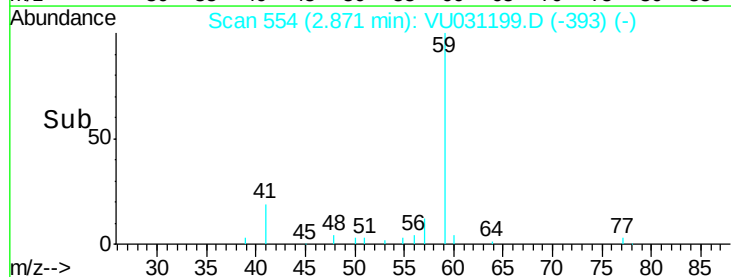
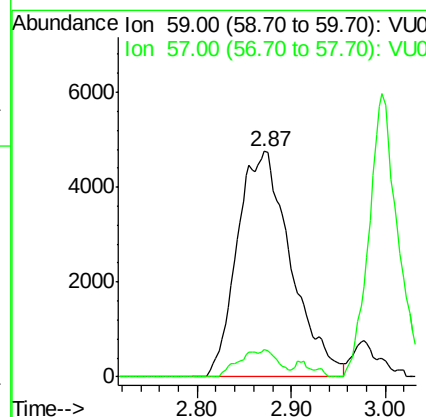
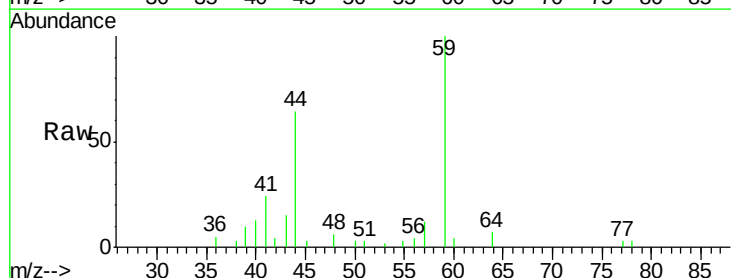
RT: 2.87 min Scan# 554

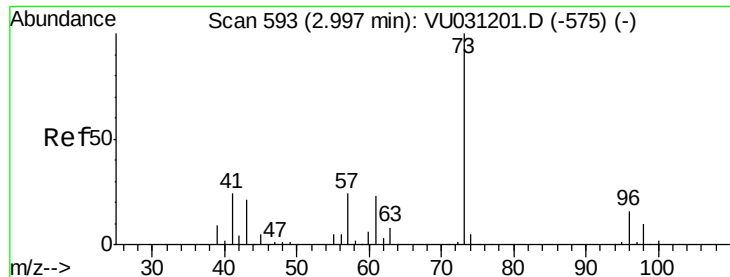
Delta R.T. 0.02 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Tgt Ion:	59	Resp:	18766
Ion	Ratio	Lower	Upper
59	100		
57	4.7	8.4	12.6#





#25

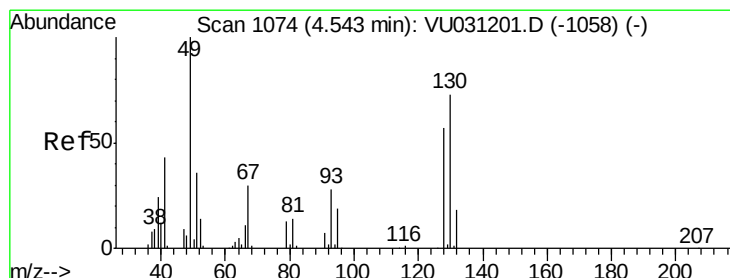
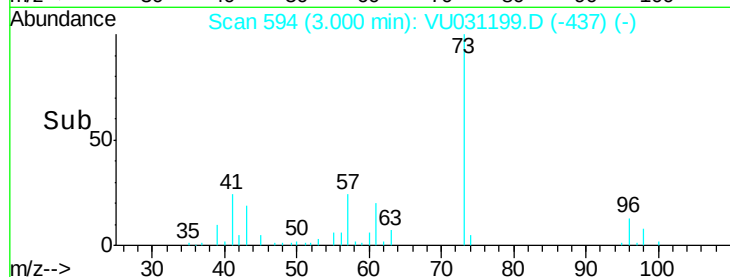
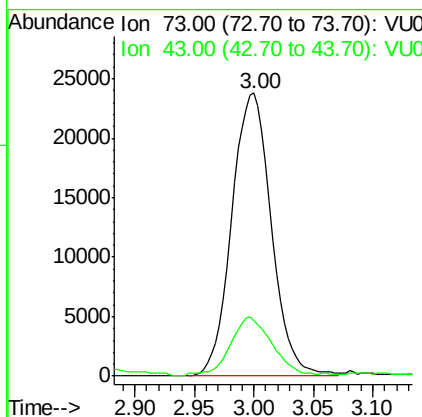
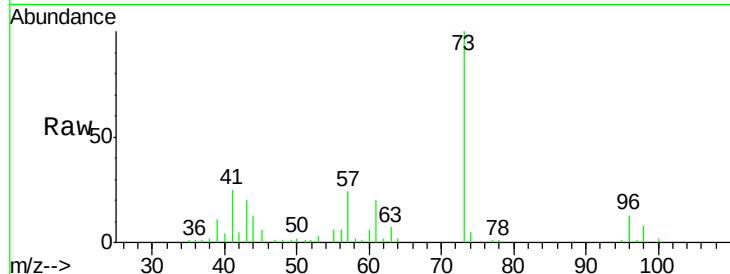
Methyl tert-Butyl Ether
 Concen: 1.972 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VU031199.D
 Acq: 15 Apr 2019 21:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	73	Resp	54896
Ion Ratio	100	Lower	Upper
73	100		
43	22.2	16.2	24.4

Manual Integrations
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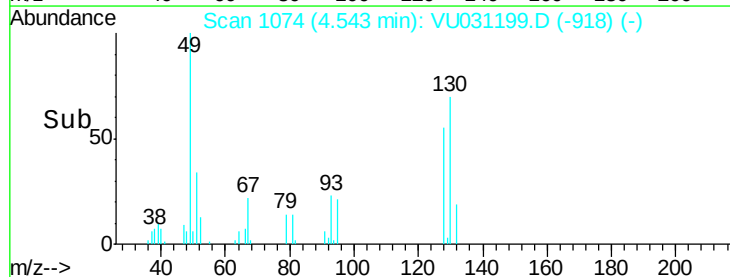
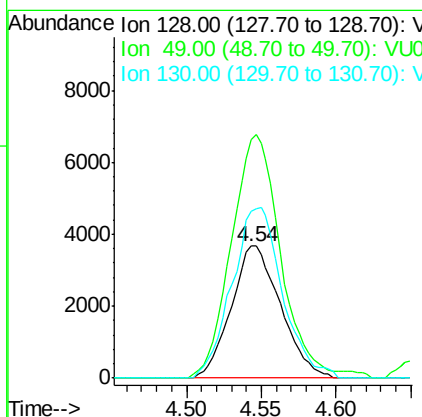
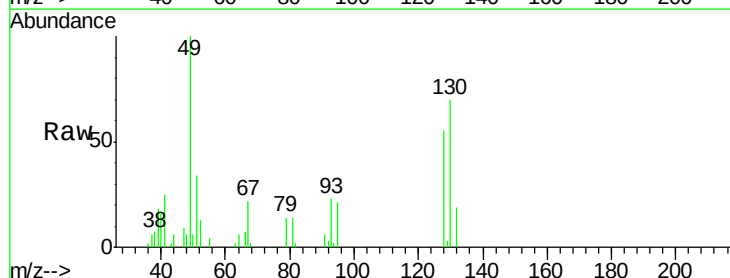
MMDadoda
 4/16/2019 3:23:17 PM

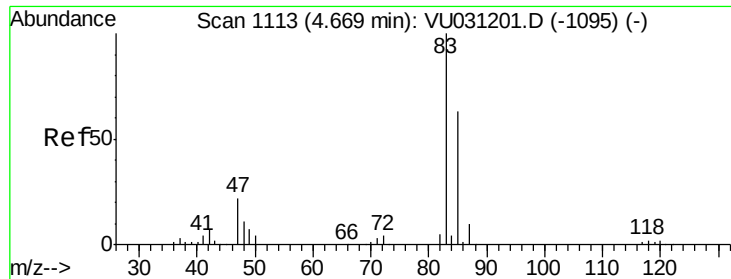


#26

Bromochloromethane
 Concen: 1.918 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU031199.D
 Acq: 15 Apr 2019 21:27

Tgt Ion	128	Resp	8449
Ion Ratio	100	Lower	Upper
128	100		
49	182.3	0.0	345.8
130	131.8	103.4	155.2





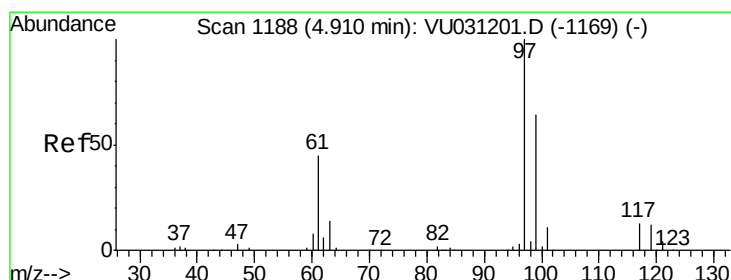
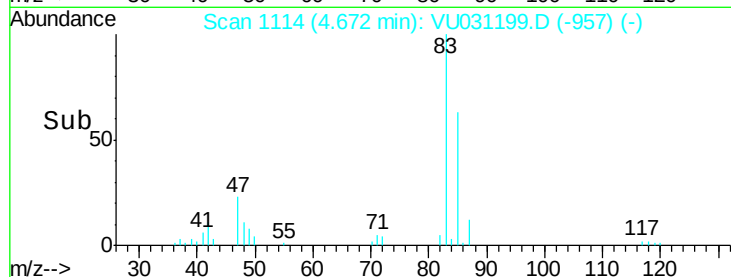
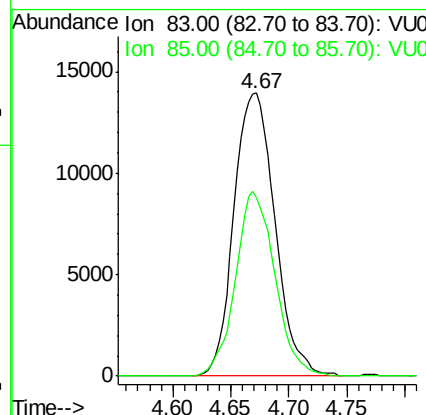
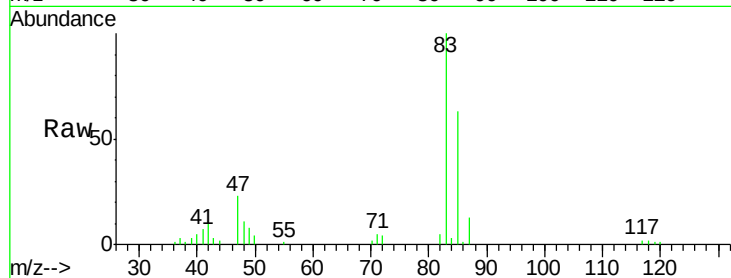
#27
Chloroform
Concen: 1.837 ug/l
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	34300
Ion Ratio	100	Lower	Upper
83	100		
85	62.9	0.0	126.6

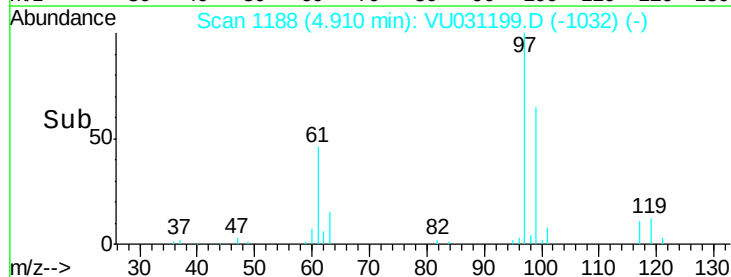
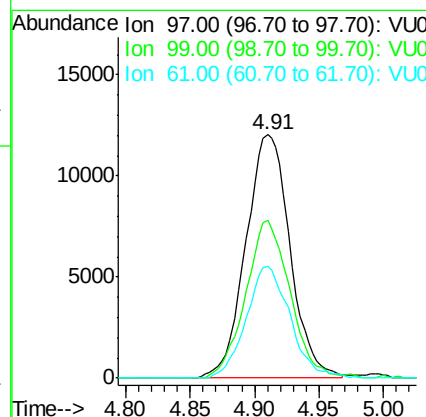
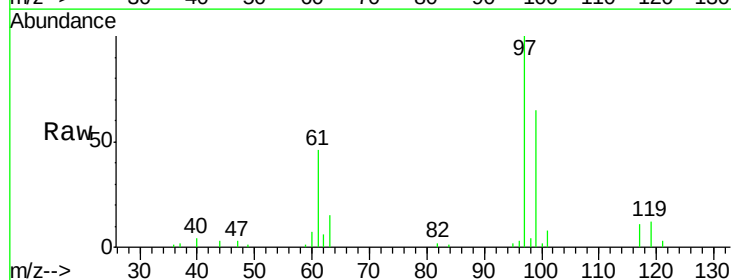
Manual Integrations
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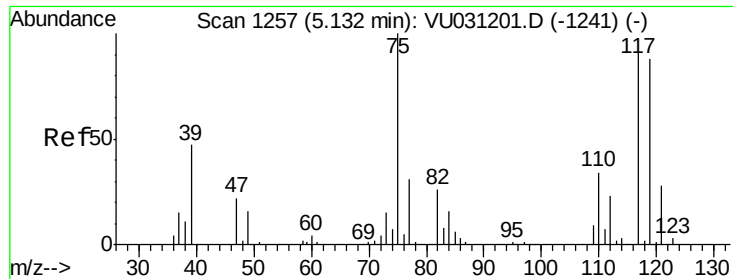
MMDadoda
4/16/2019 3:23:17 PM



#28
1,1,1-Trichloroethane
Concen: 1.872 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Tgt Ion	97	Resp	28777
Ion Ratio	100	Lower	Upper
97	100		
99	64.6	32.0	96.0
61	45.5	22.2	66.6





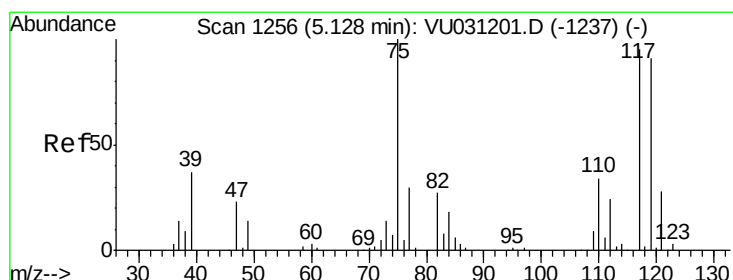
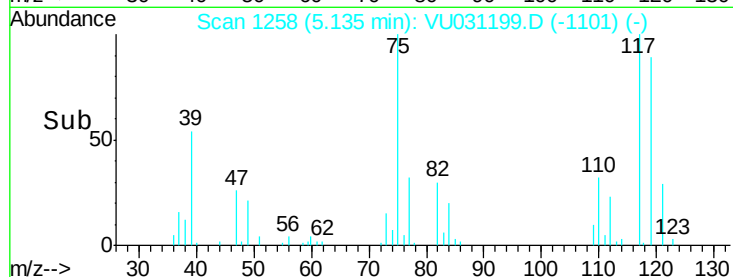
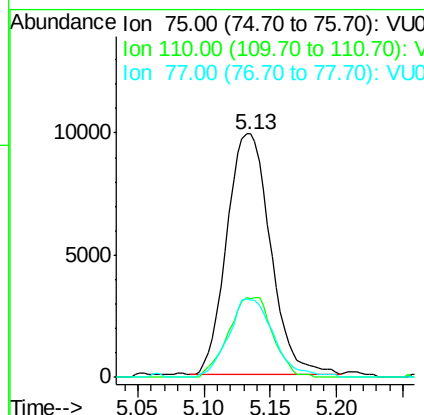
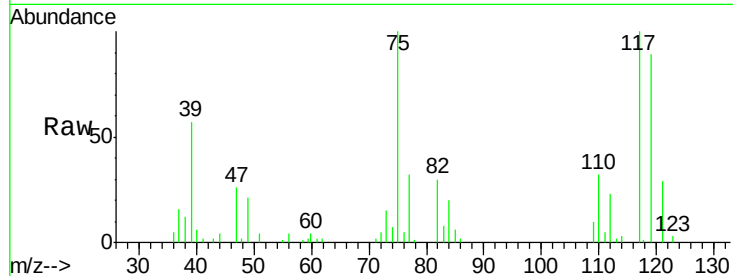
#29
1,1-Dichloropropene
Concen: 1.672 ug/l
RT: 5.13 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.6	17.2	51.5
77	34.1	24.9	37.3

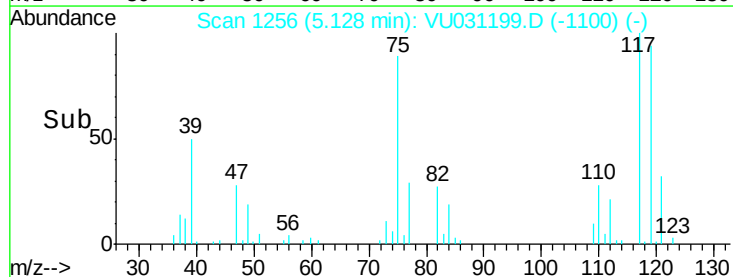
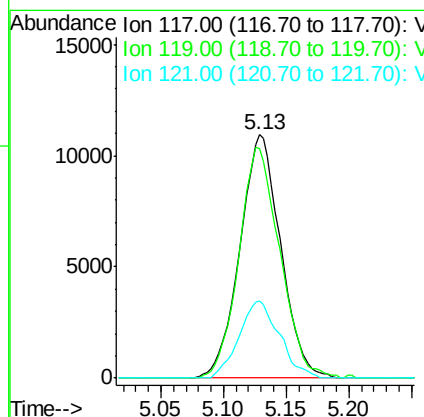
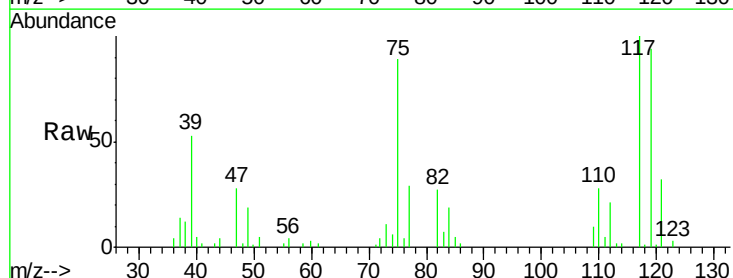
Manual Integrations
APPROVED

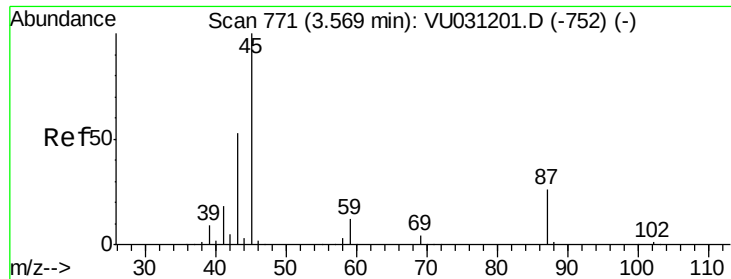
MMDadoda
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#30
Carbon Tetrachloride
Concen: 1.841 ug/l
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.2	114.4
121	31.6	23.8	35.8





#31

Isopropyl Ether

Concen: 1.535 ug/l

RT: 3.57 min Scan# 772

Delta R.T. 0.00 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 49159

Ion Ratio Lower Upper

45 100

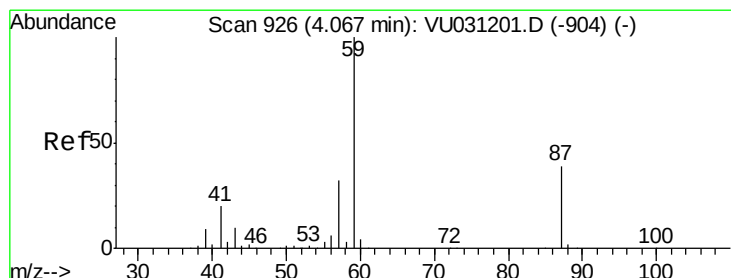
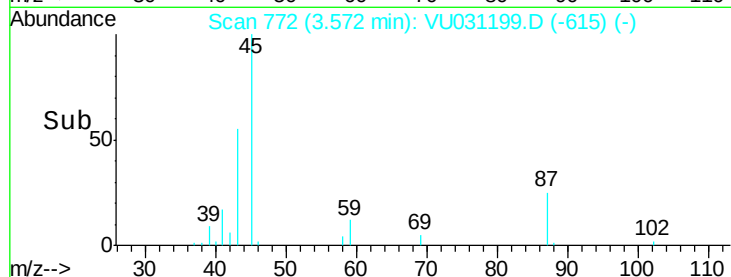
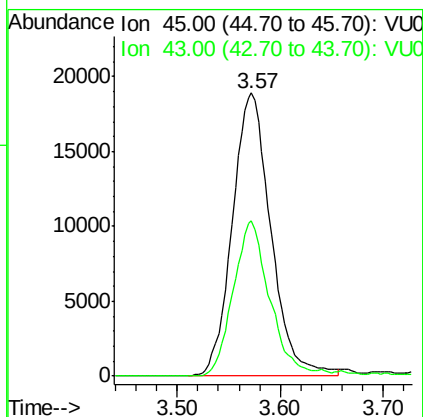
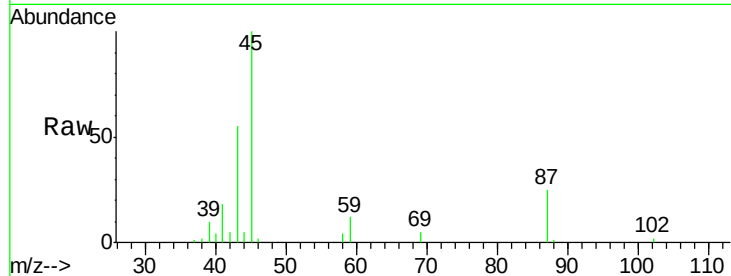
43 51.3 26.4 79.2

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 1.532 ug/l

RT: 4.07 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU031199.D

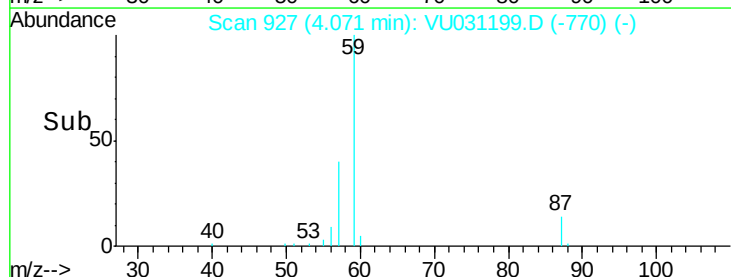
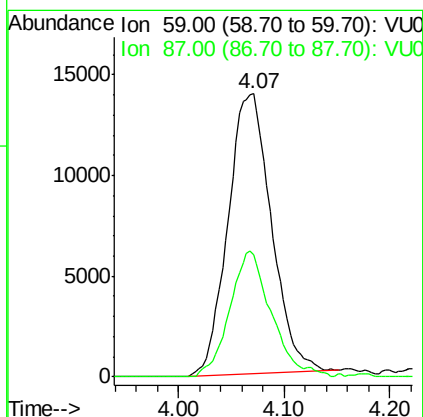
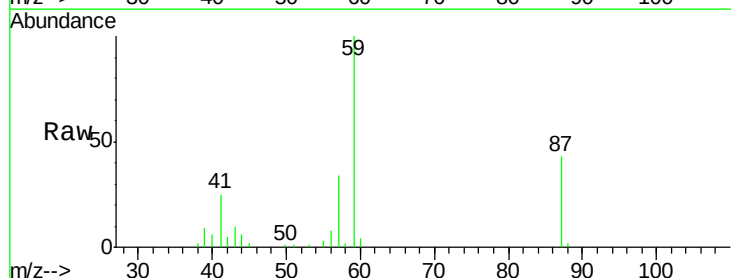
Acq: 15 Apr 2019 21:27

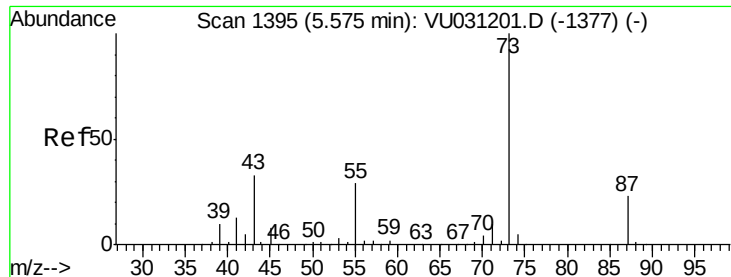
Tgt Ion: 59 Resp: 39859

Ion Ratio Lower Upper

59 100

87 42.9 32.2 48.2





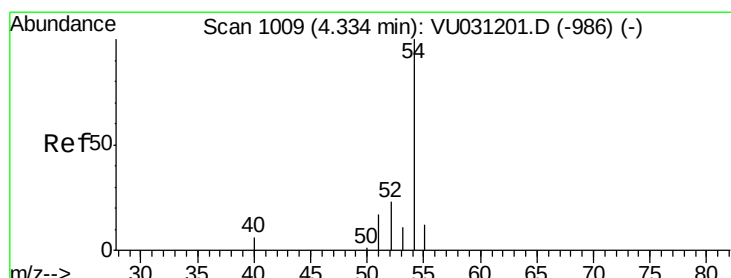
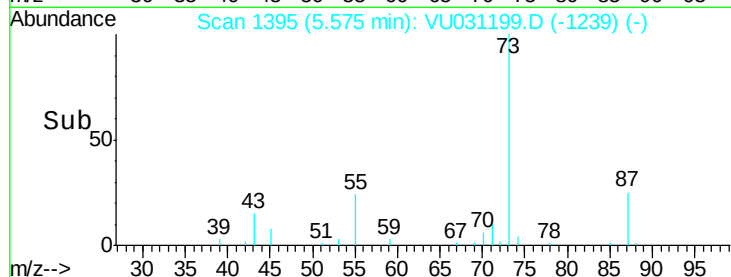
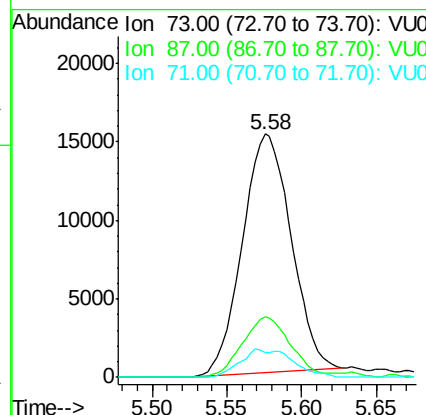
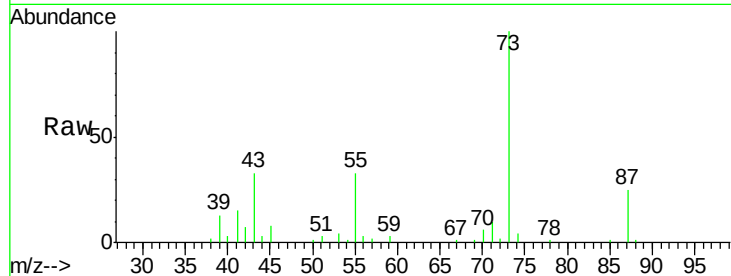
#33
Tert-Butyl methyl ether
Concen: 1.584 ug/l
RT: 5.58 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.2	18.4	27.6
71	7.1	8.8	13.2

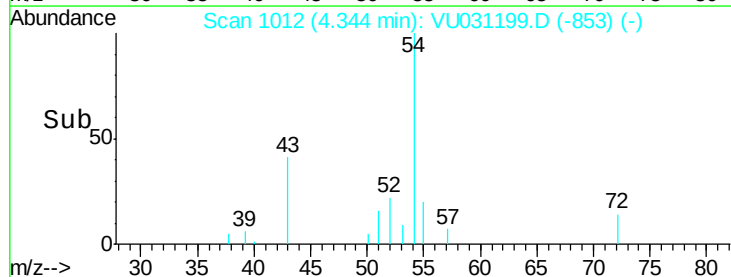
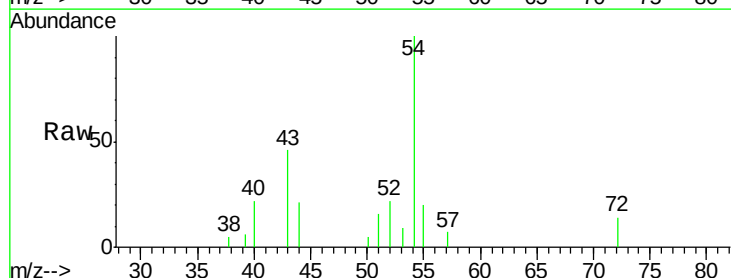
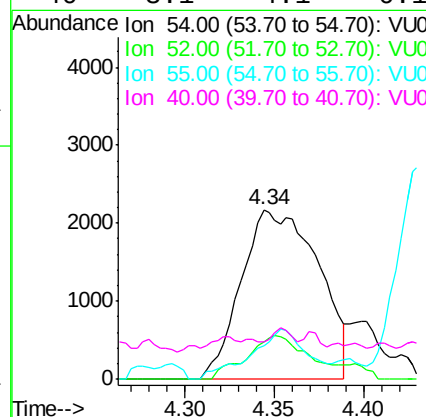
Manual Integrations
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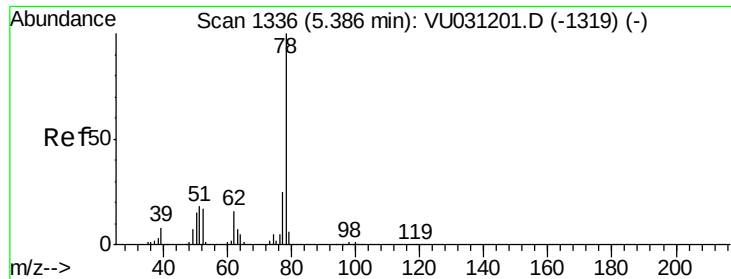
MMDadoda
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#34
Propionitrile
Concen: 7.778 ug/l m
RT: 4.34 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Tgt Ion	Ratio	Lower	Upper
54	100		
52	21.0	15.9	23.9
55	21.5	8.9	13.3
40	3.1	4.1	6.1





#35

Benzene

Concen: 1.750 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 78 Resp: 69958

Ion Ratio Lower Upper

78 100

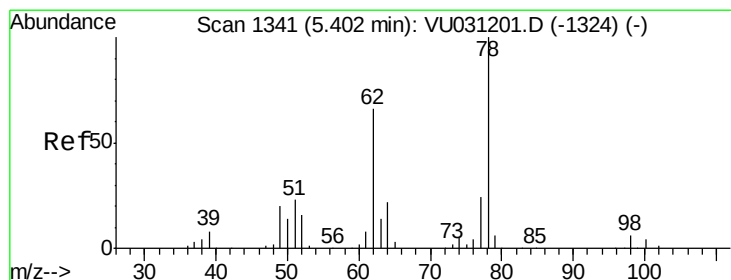
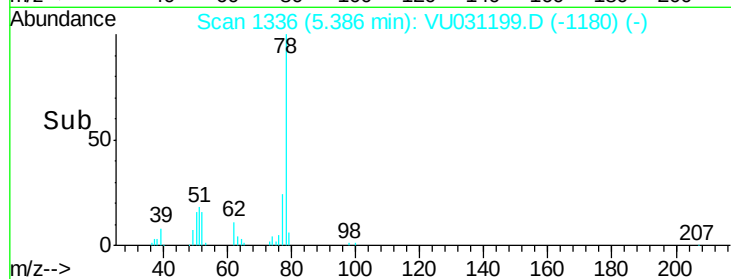
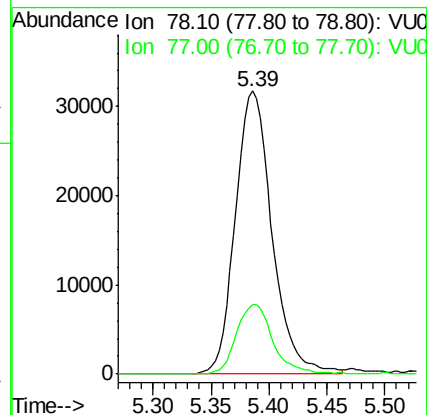
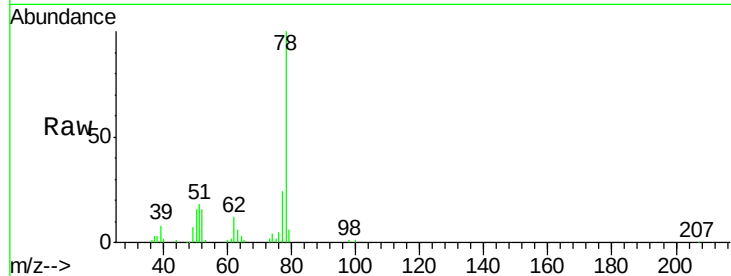
77 24.5 19.6 29.4

Manual Integrations

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#36

1,2-Dichloroethane

Concen: 1.777 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU031199.D

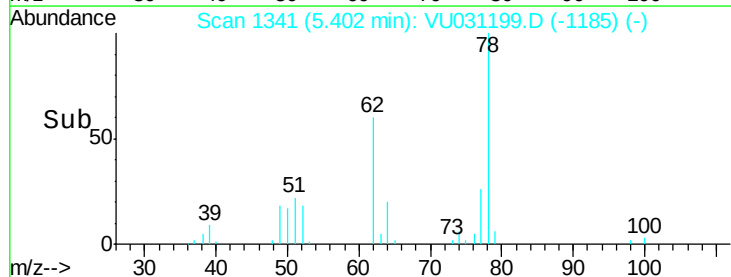
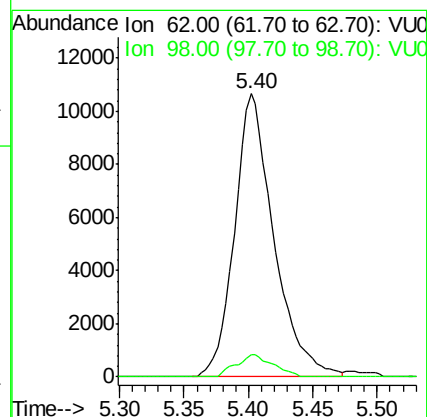
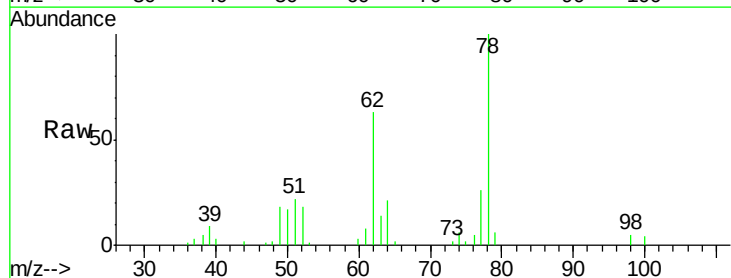
Acq: 15 Apr 2019 21:27

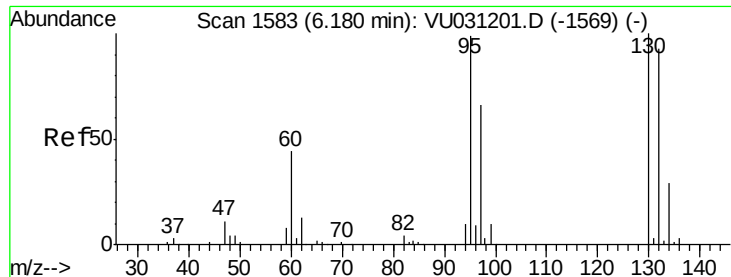
Tgt Ion: 62 Resp: 22591

Ion Ratio Lower Upper

62 100

98 7.4 7.0 10.6





#37

Trichloroethene

Concen: 1.988 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:130 Resp: 19341

Ion Ratio Lower Upper

130 100

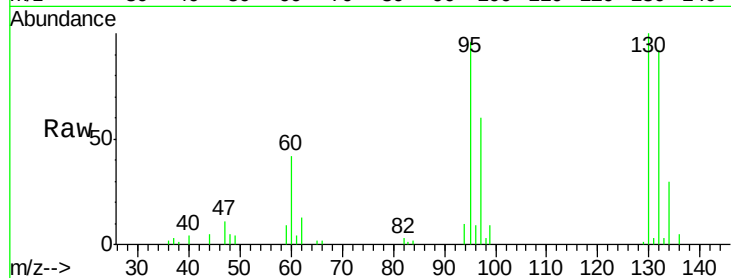
95 95.8 79.3 118.9

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0

6.18

10000

8000

6000

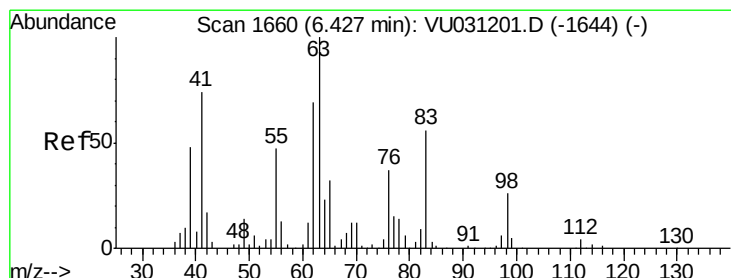
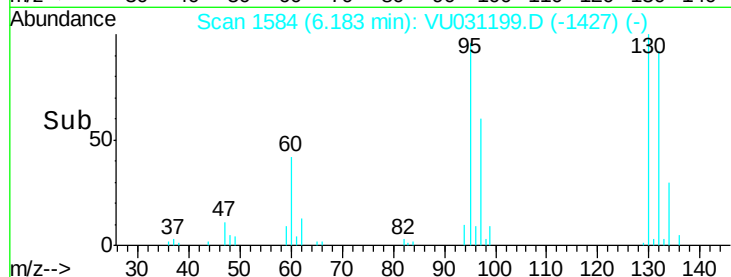
4000

2000

0

Time-->

6.10 6.15 6.20 6.25 6.30



#38

1,2-Dichloropropane

Concen: 1.578 ug/l

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU031199.D

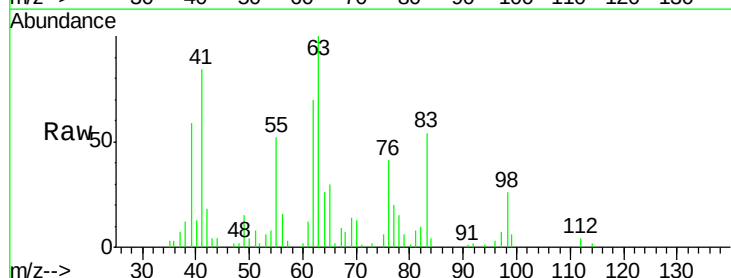
Acq: 15 Apr 2019 21:27

Tgt Ion: 63 Resp: 17986

Ion Ratio Lower Upper

63 100

65 29.7 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

6.43

10000

8000

6000

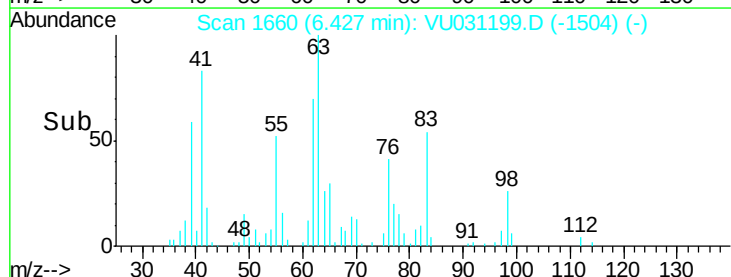
4000

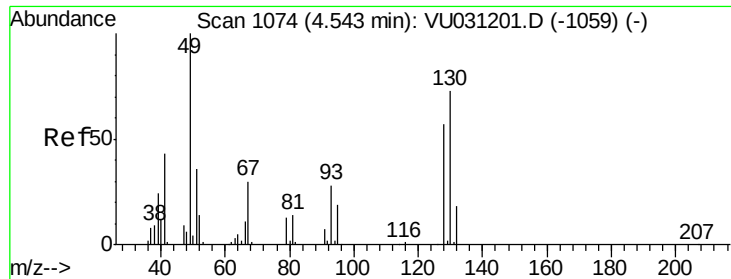
2000

0

Time-->

6.35 6.40 6.45 6.50





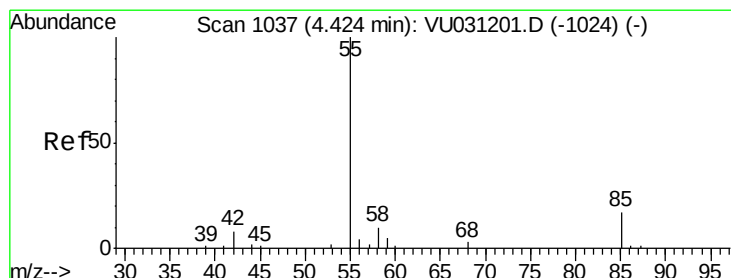
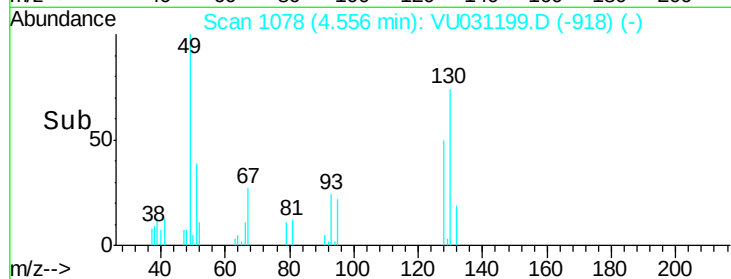
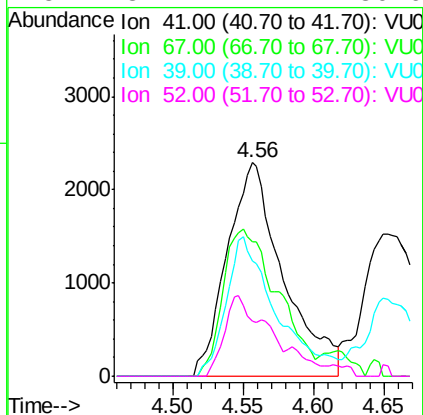
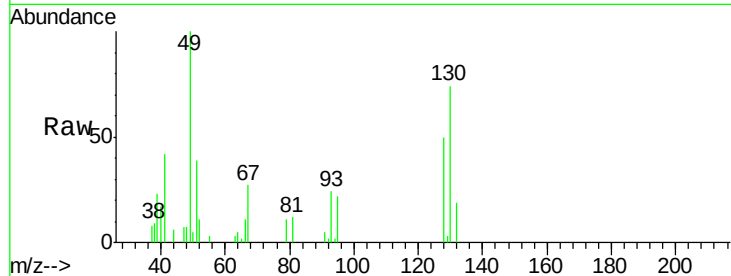
#39
Methacrylonitrile
Concen: 1.525 ug/l
RT: 4.56 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:	41	Resp:	6344
Ion	Ratio	Lower	Upper
41	100		
67	67.5	59.7	89.5
39	59.2	42.2	63.2
52	32.4	24.4	36.6

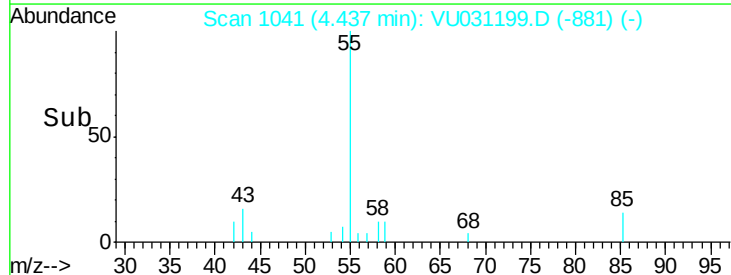
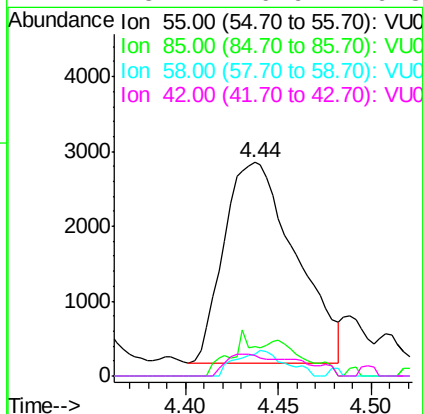
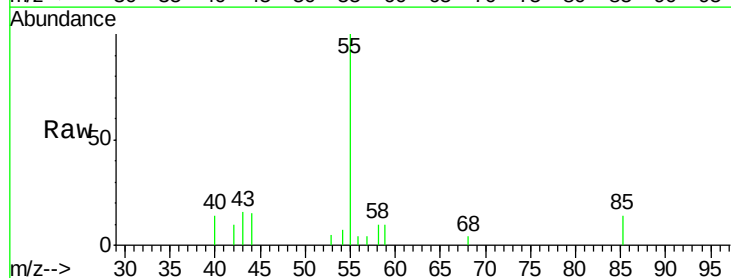
Manual Integrations
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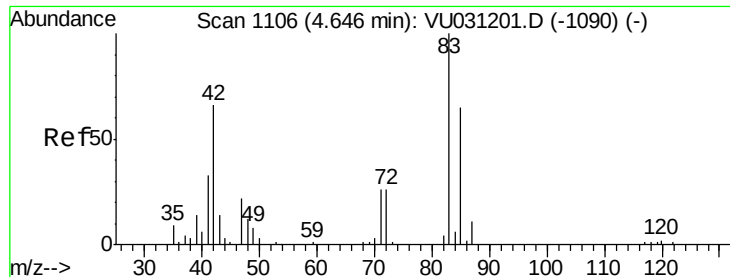
MMDadoda
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#40
Methyl acrylate
Concen: 1.405 ug/l
RT: 4.44 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Tgt Ion:	55	Resp:	7183
Ion	Ratio	Lower	Upper
55	100		
85	0.0	12.2	18.2#
58	8.6	7.0	10.6
42	5.7	6.9	10.3#





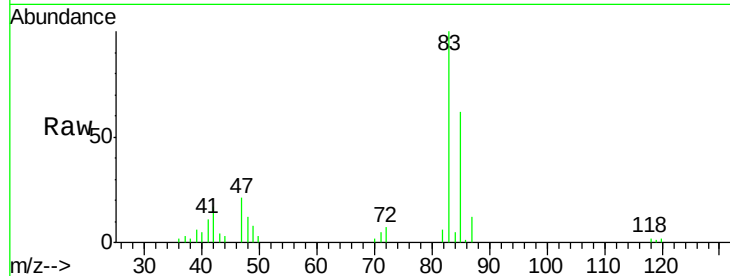
#41
Tetrahydrofuran
Concen: 2.901 ug/l
RT: 4.66 min Scan# 1111
Delta R.T. 0.02 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

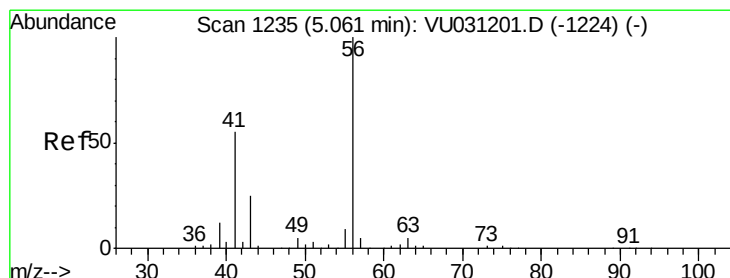
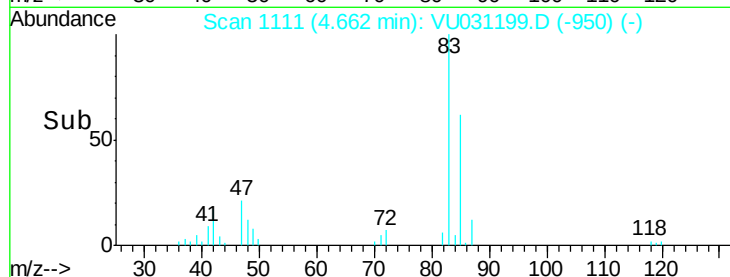
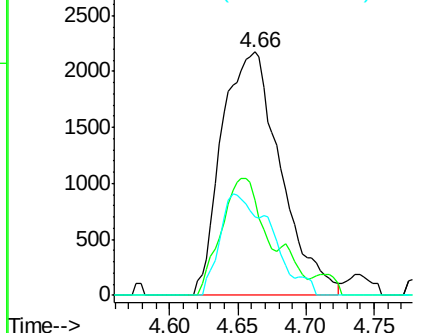
Tot Ion	Ratio	Lower	Upper
42	100		
72	34.3	34.4	51.6#
71	37.0	32.0	48.0

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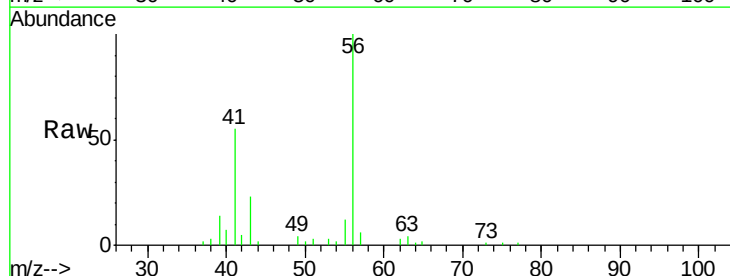


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

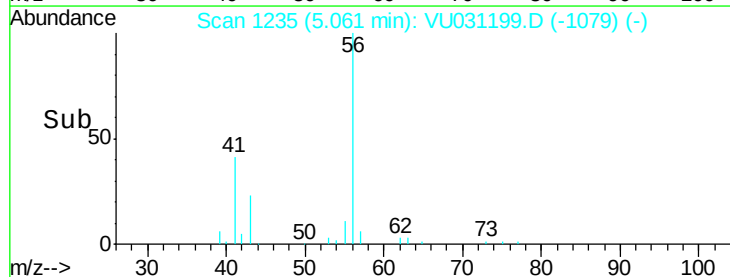
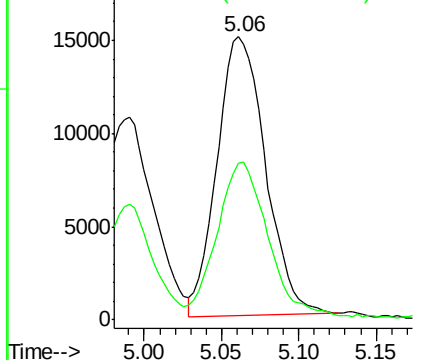


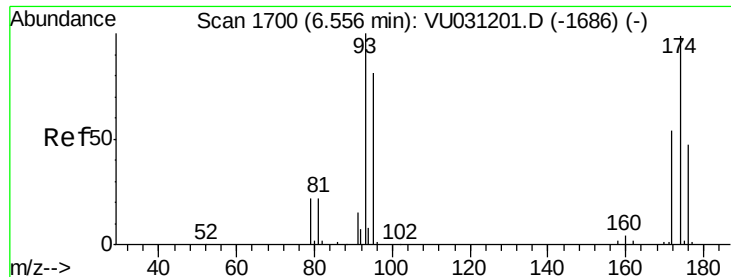
#42
1-Chlorobutane
Concen: 1.584 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Tgt Ion	Ratio	Lower	Upper
56	100		
41	58.1	27.3	81.9



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





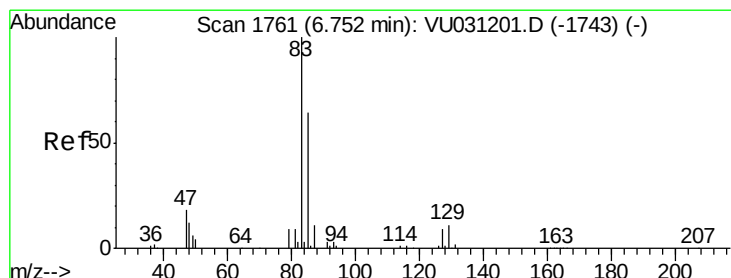
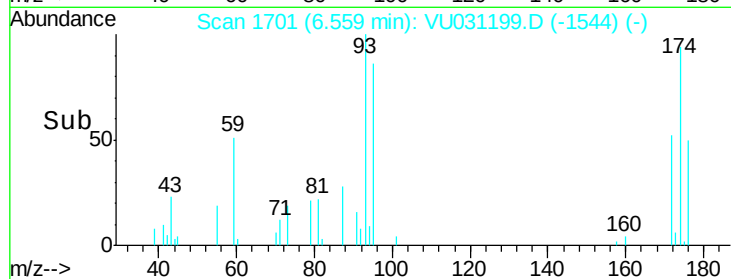
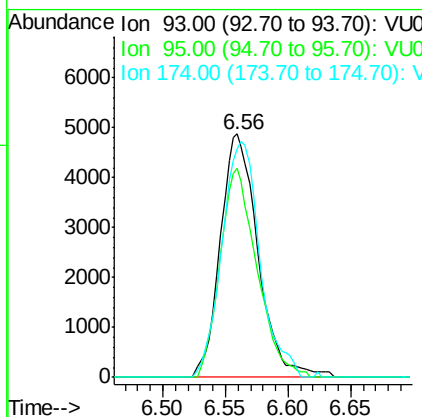
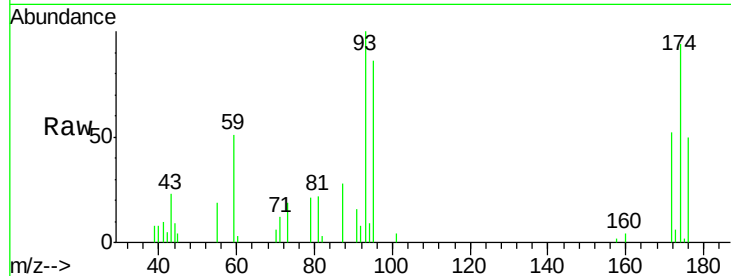
#43
Dibromomethane
Concen: 1.899 ug/l
RT: 6.56 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100				
95	84.0	67.4	101.0		
174	97.8	79.1	118.7		

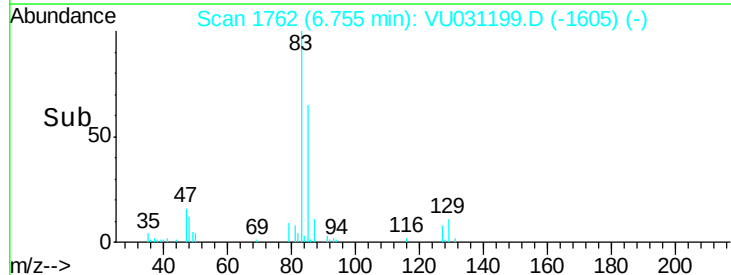
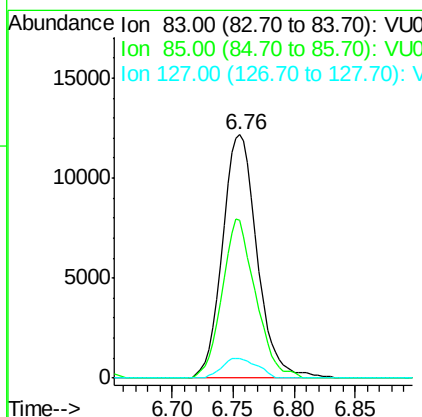
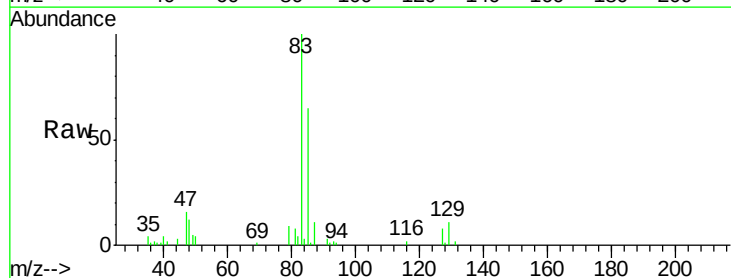
Manual Integrations
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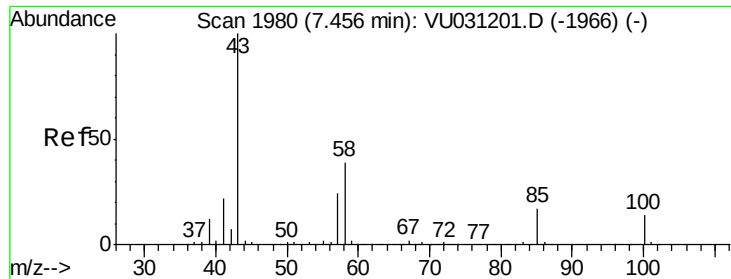
MMDadoda
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#44
Bromodichloromethane
Concen: 1.734 ug/l
RT: 6.76 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100				
85	65.0	51.0	76.6		
127	8.0	7.4	11.0		





#45

4-Methyl-2-Pentanone

Concen: 7.435 ug/l

RT: 7.46 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Instrument :

MSVOA_U

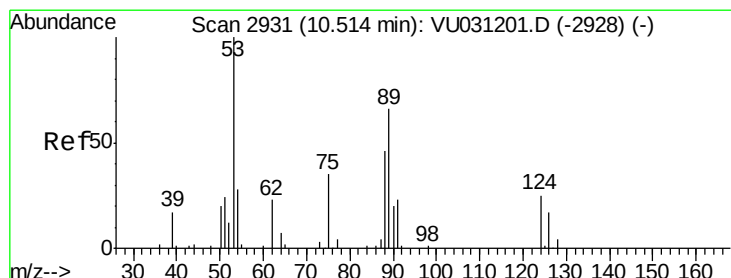
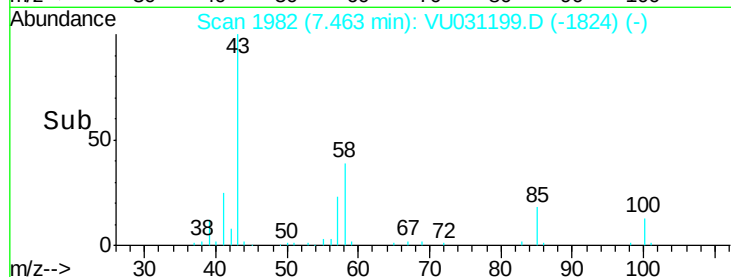
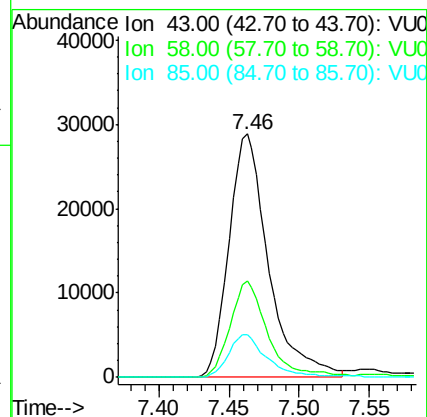
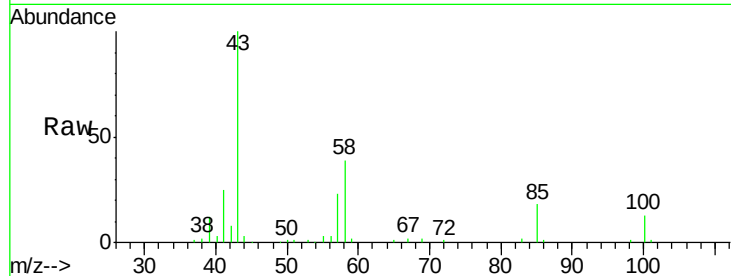
ClientSampleId :

VSTDIC002

Tot Ion:	43	Resp:	56543
Ion	Ratio	Lower	Upper
43	100		
58	37.7	19.4	58.2
85	16.9	13.2	19.8

Manual Integrations
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MMDadoda
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#46

t-1,4-Dichloro-2-butene

Concen: 3.110 ug/l m

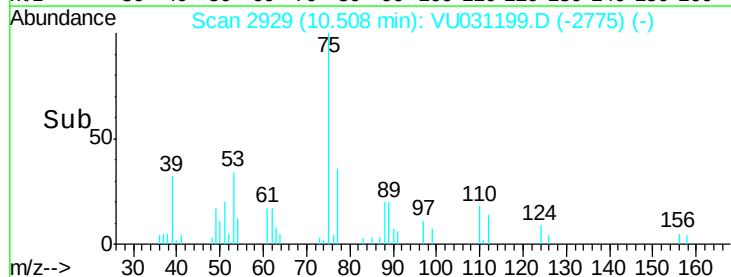
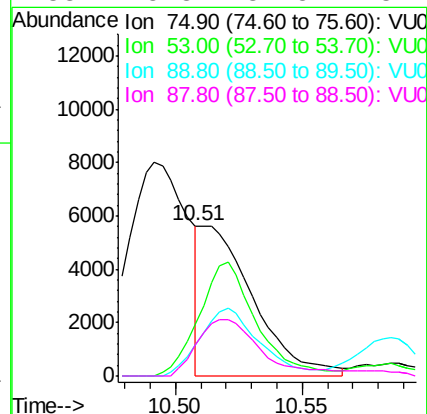
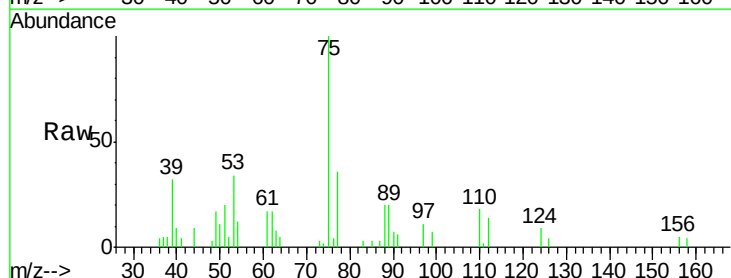
RT: 10.51 min Scan# 2929

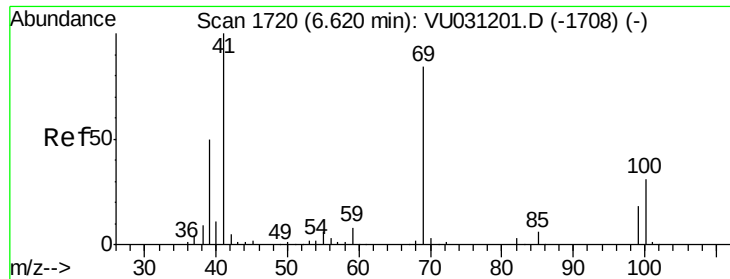
Delta R.T. -0.01 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Tgt Ion:	75	Resp:	8142
Ion	Ratio	Lower	Upper
75	100		
53	81.8	65.2	97.8
89	50.7	43.0	64.4
88	45.3	32.5	48.7





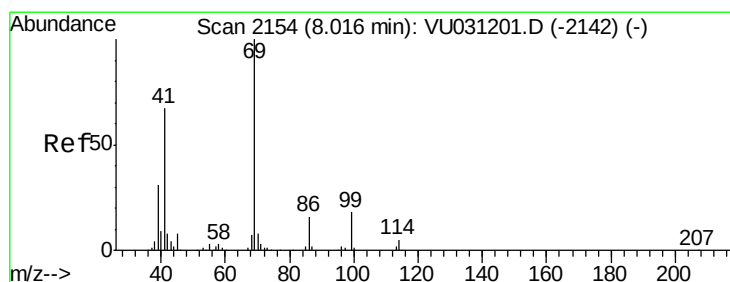
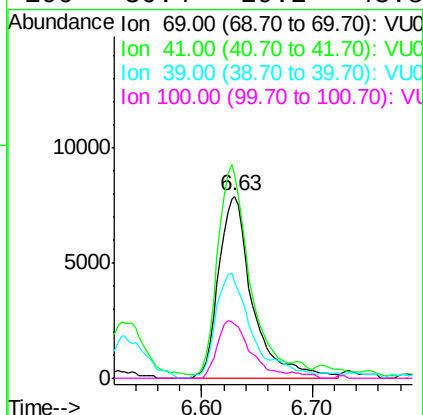
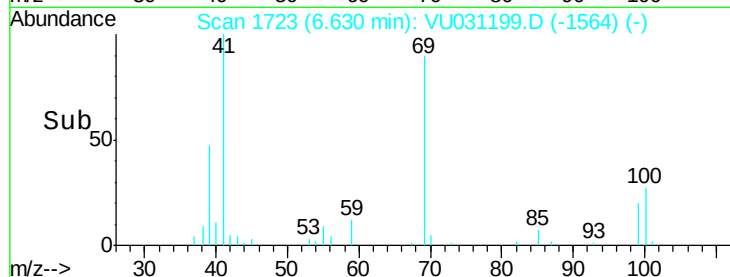
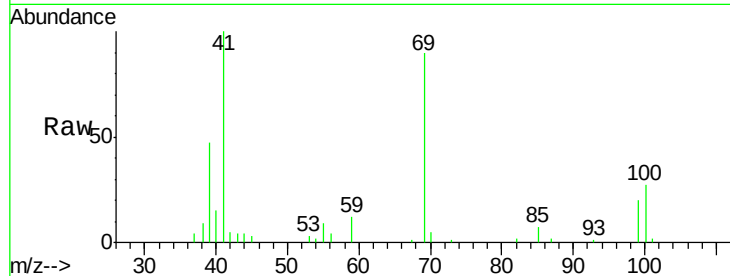
#47
Methvl methacrylate
Concen: 3.443 ug/l
RT: 6.63 min Scan# 1723
Delta R.T. 0.01 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
69	100		
41	106.0	0.0	237.2
39	62.3	47.4	71.2
100	30.4	29.2	43.8

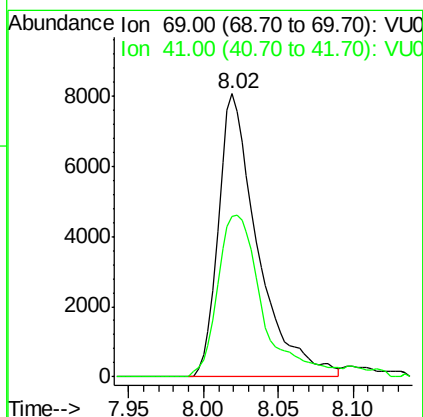
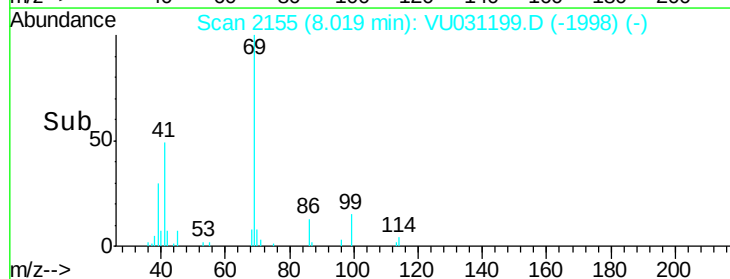
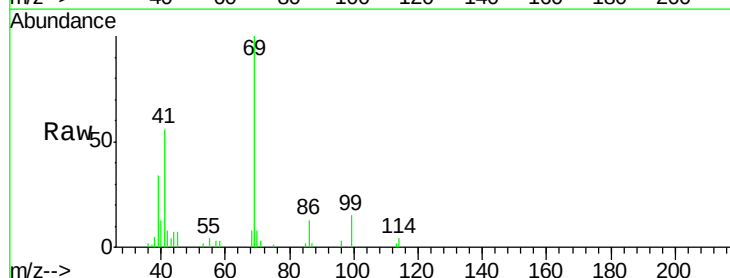
Manual Integrations
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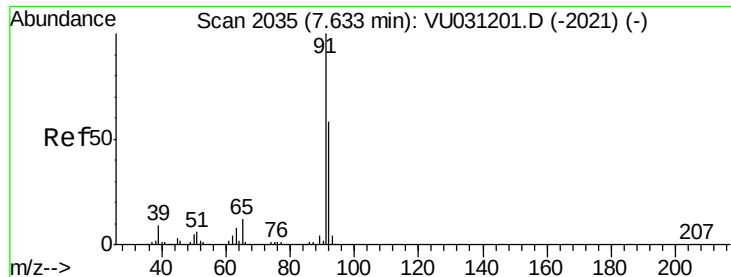
MMDadoda
4/16/2019 3:23:17 PM



#48
Ethyl methacrylate
Concen: 1.620 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.0	32.5	97.5





#49

Toluene

Concen: 1.693 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 92 Resp: 36919

Ion Ratio Lower Upper

92 100

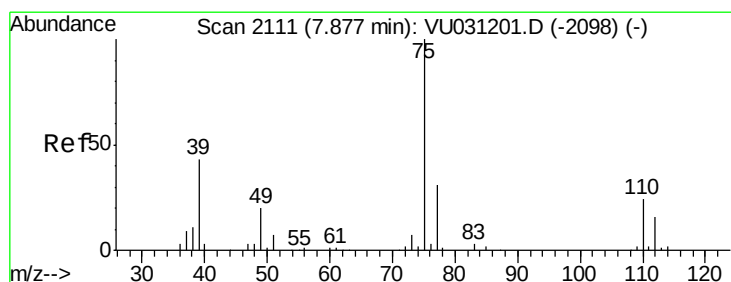
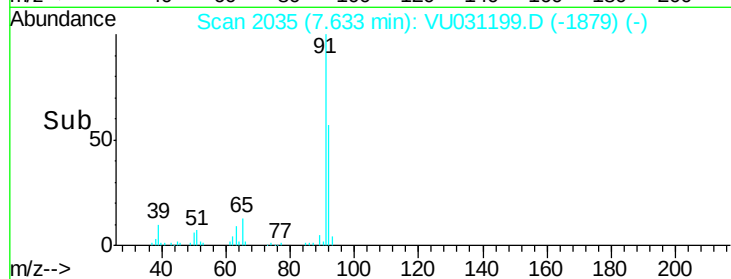
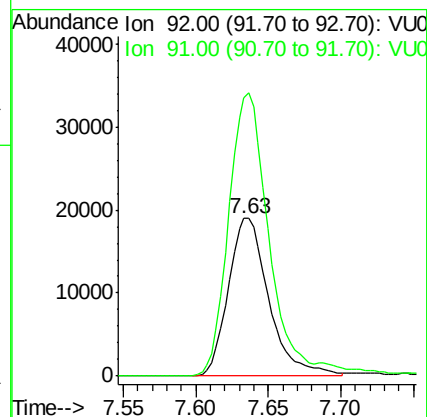
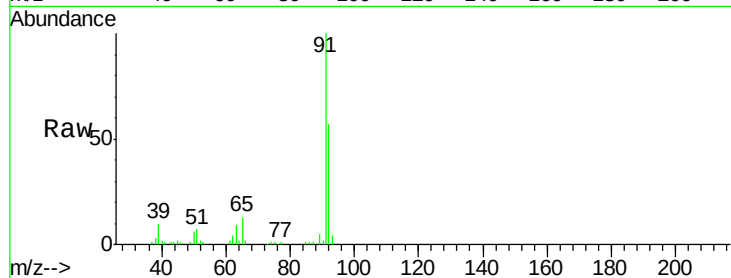
91 181.5 140.2 210.4

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 1.606 ug/l

RT: 7.88 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VU031199.D

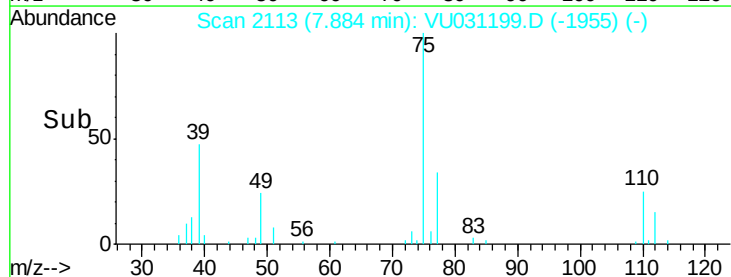
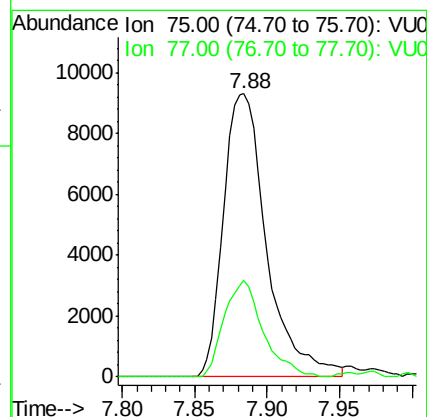
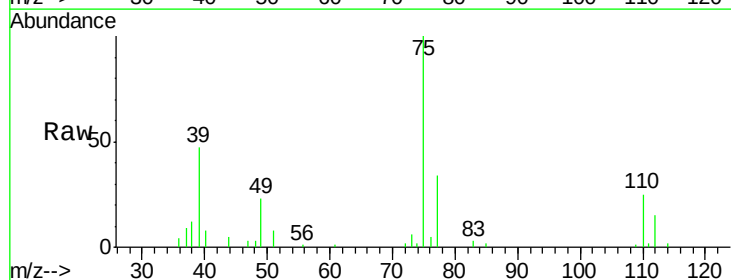
Acq: 15 Apr 2019 21:27

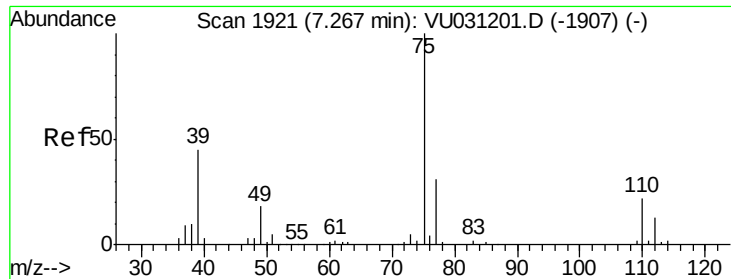
Tgt Ion: 75 Resp: 19235

Ion Ratio Lower Upper

75 100

77 33.9 24.6 37.0





#51

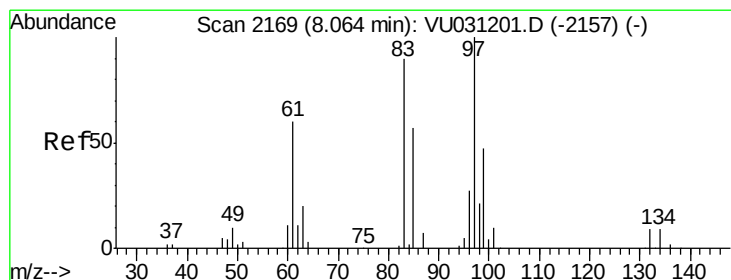
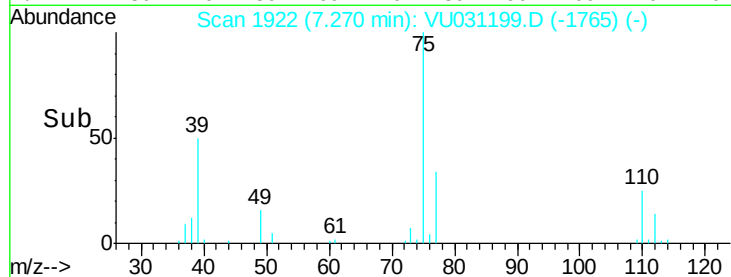
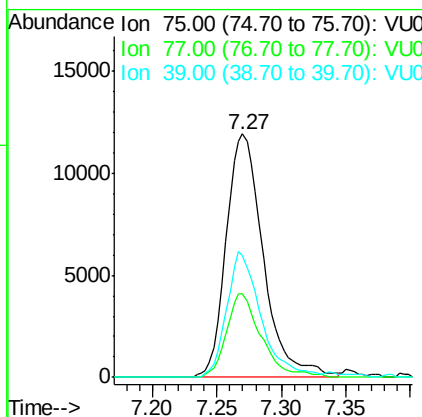
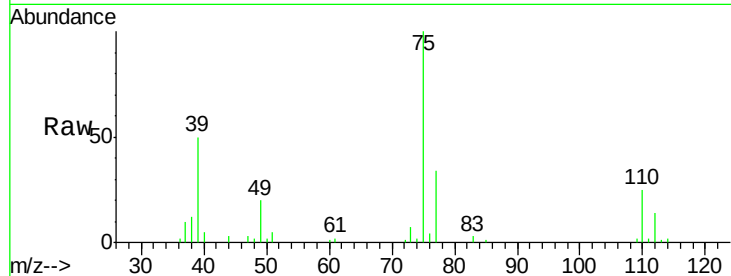
cis-1,3-Dichloropropene
 Concen: 1.661 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU031199.D
 Acq: 15 Apr 2019 21:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.3	24.6	37.0
39	50.0	36.1	54.1

Manual Integrations
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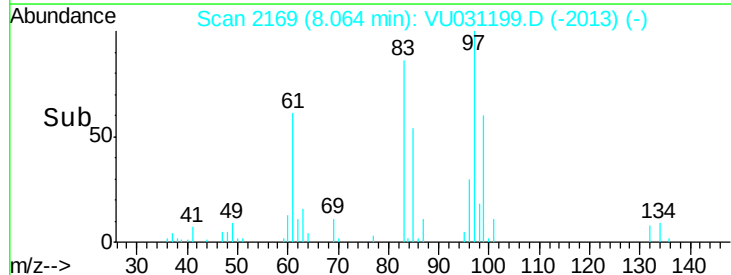
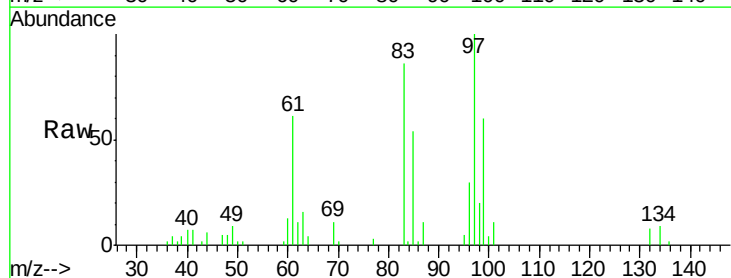
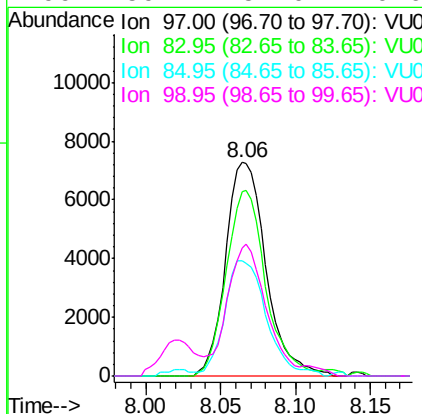
MMDadoda
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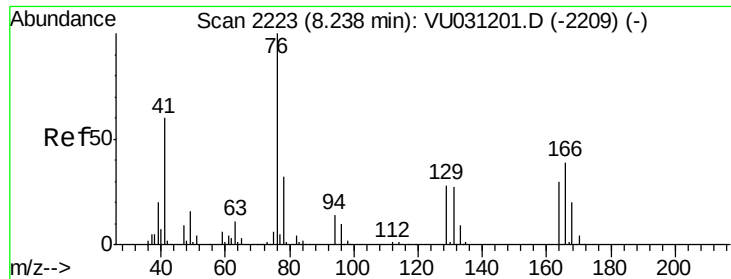


#52

1,1,2-Trichloroethane
 Concen: 1.795 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031199.D
 Acq: 15 Apr 2019 21:27

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.1	71.5	107.3
85	52.5	46.7	70.1
99	59.7	51.0	76.6





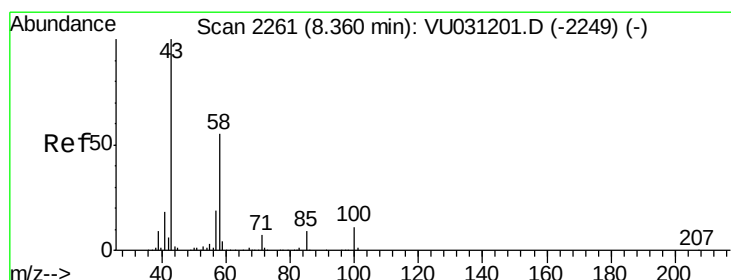
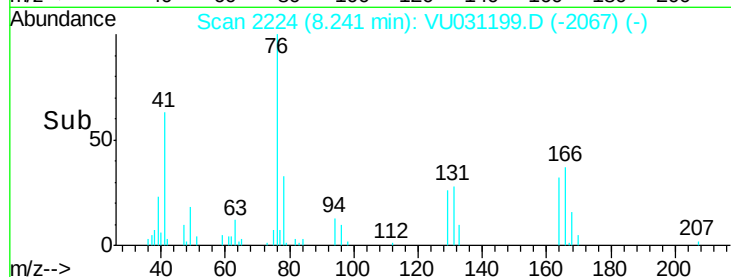
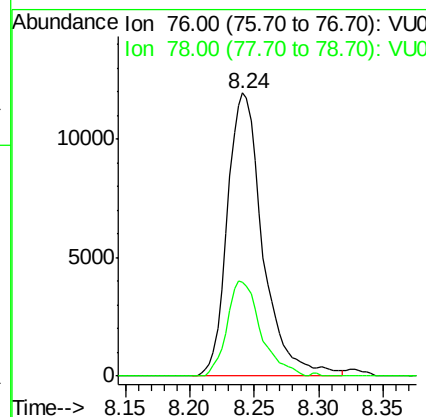
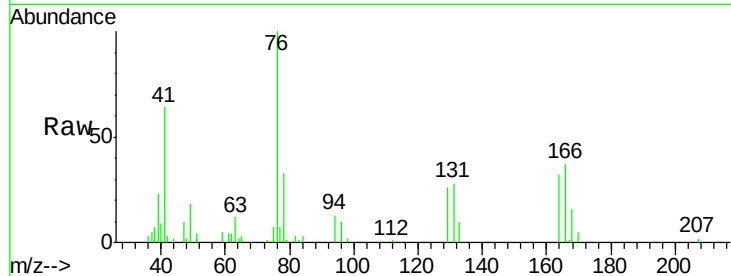
#53
 1,3-Dichloropropane
 Concen: 1.707 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU031199.D
 Acq: 15 Apr 2019 21:27

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.3	37.9

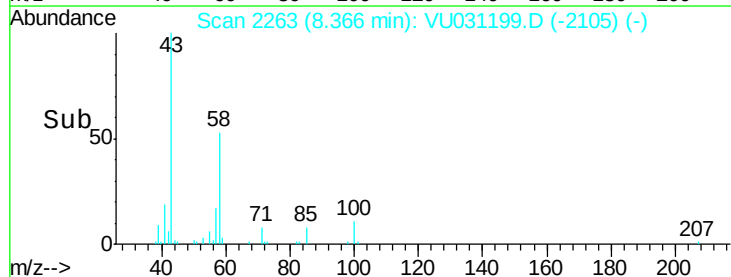
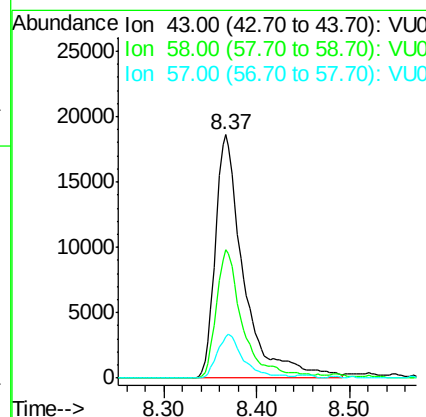
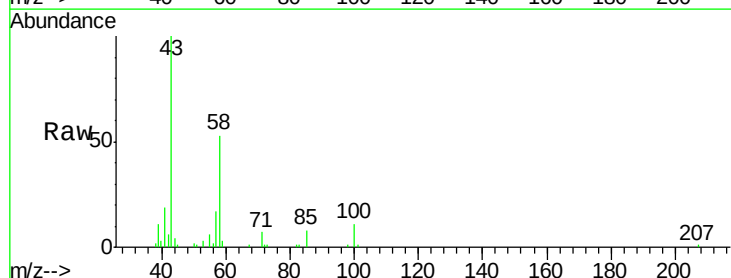
Manual Integrations
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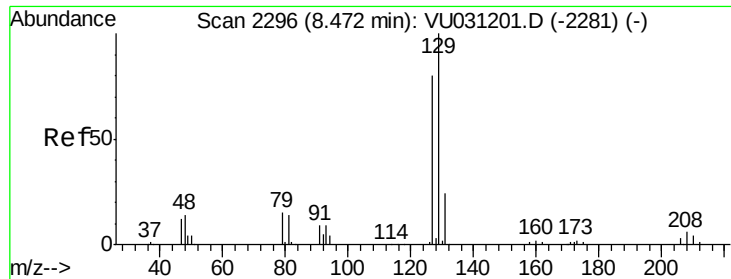
MMDadoda
 4/16/2019 3:23:17 PM



#54
 2-Hexanone
 Concen: 7.866 ug/l
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.01 min
 Lab File: VU031199.D
 Acq: 15 Apr 2019 21:27

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.4	35.5	75.5
57	16.7	0.0	38.7





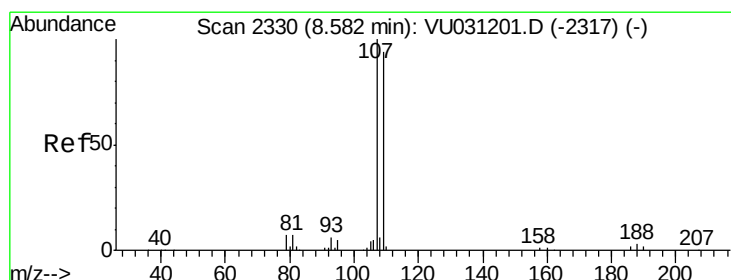
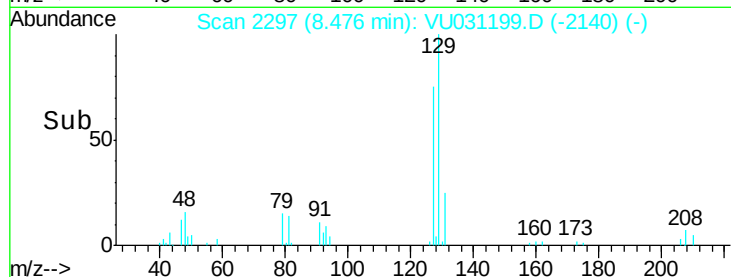
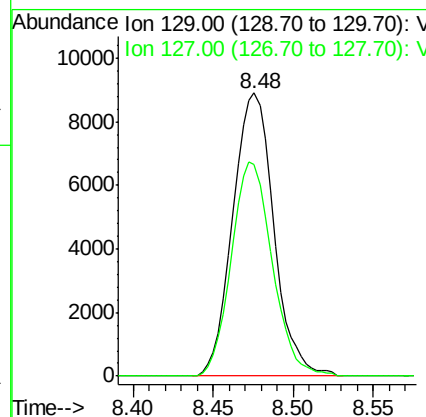
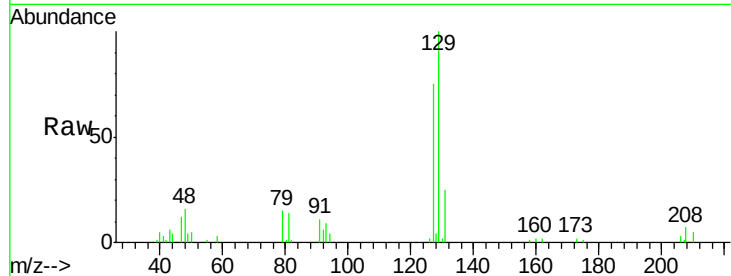
#55
Dibromochloromethane
Concen: 1.795 ug/l
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
129	100		
127	75.6	62.2	93.2

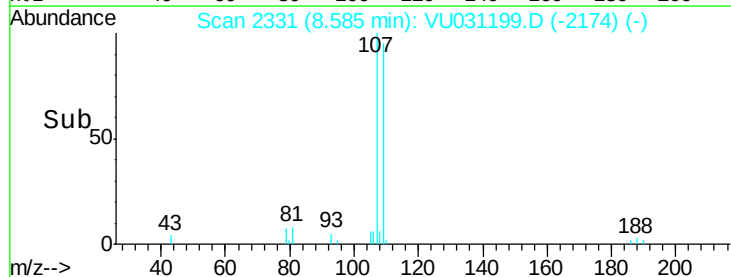
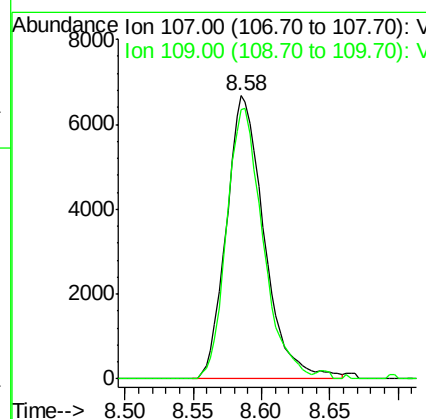
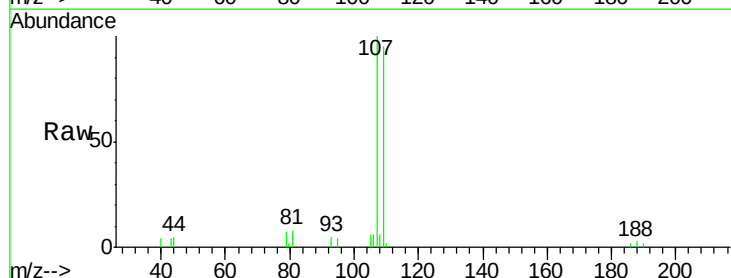
Manual Integrations
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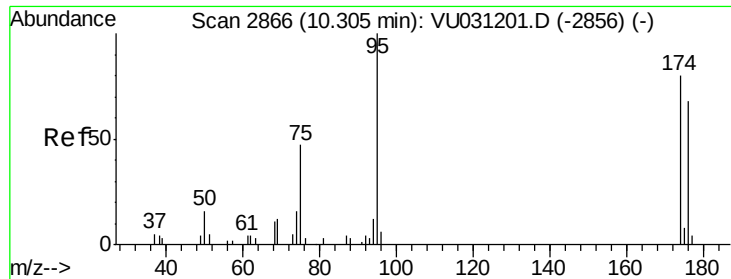
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#56
1,2-Dibromoethane
Concen: 1.870 ug/l
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.7	0.0	189.0





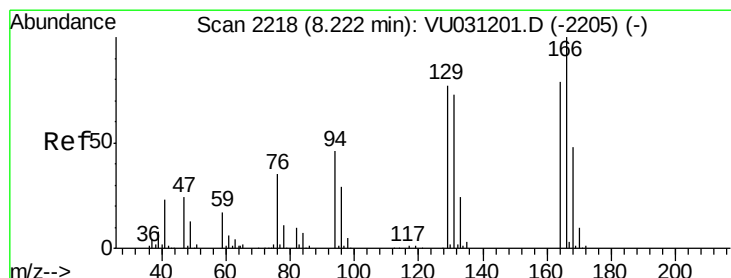
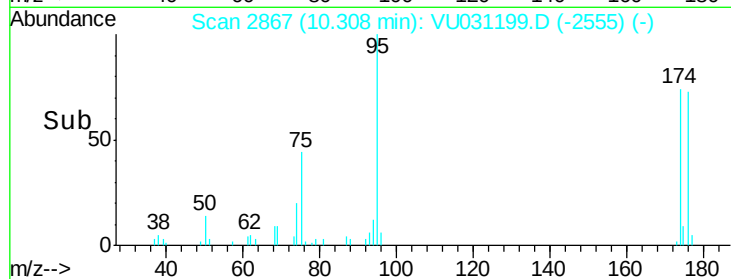
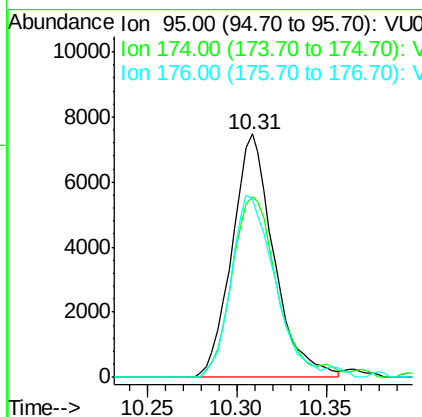
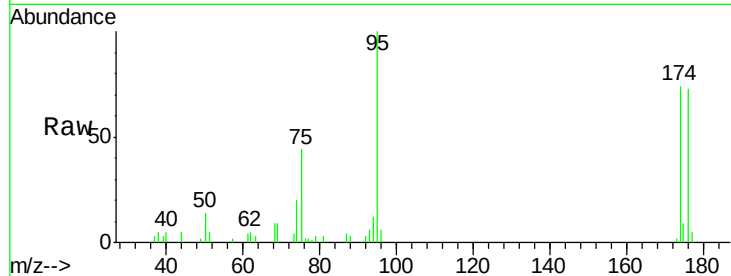
#57
4-Bromofluorobenzene
Concen: 1.870 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
95	100	12196		
174	78.2	64.2	96.2	
176	77.4	58.0	87.0	

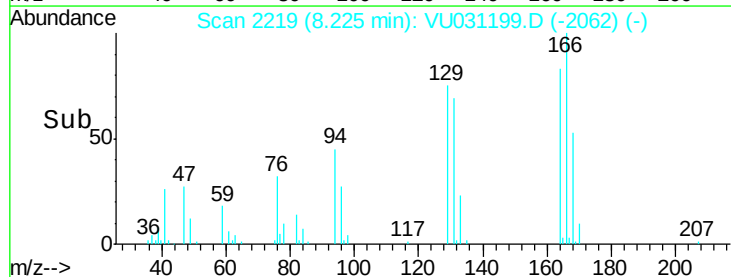
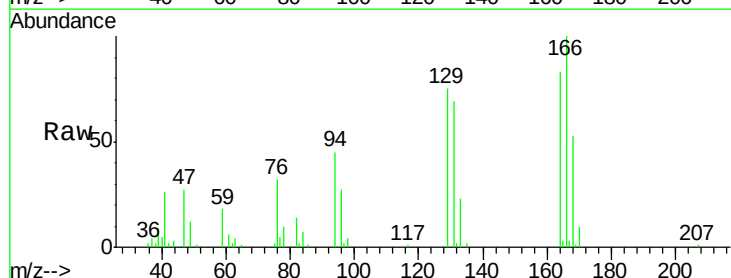
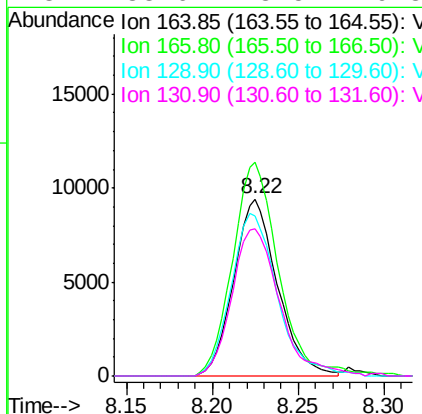
Manual Integrations
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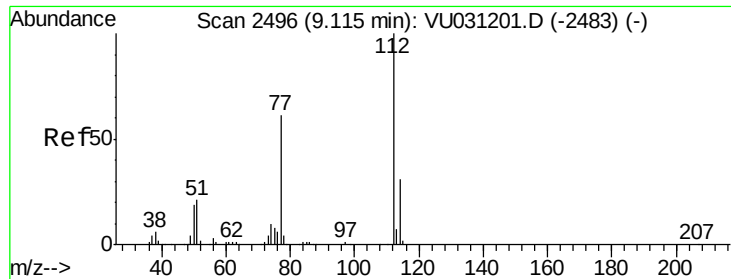
MMDadoda
4/16/2019 3:23:17 PM



#58
Tetrachloroethene
Concen: 1.927 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	16661		
166	120.8	100.9	151.3	
129	90.5	77.6	116.4	
131	83.6	73.5	110.3	





#59

Chlorobenzene

Concen: 1.784 ug/l

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:112 Resp: 42547

Ion Ratio Lower Upper

112 100

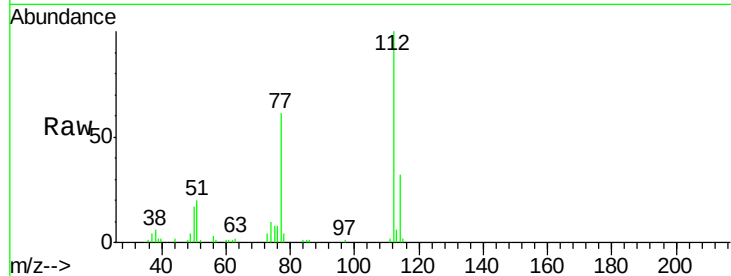
114 31.8 24.4 36.6

Manual Integrations

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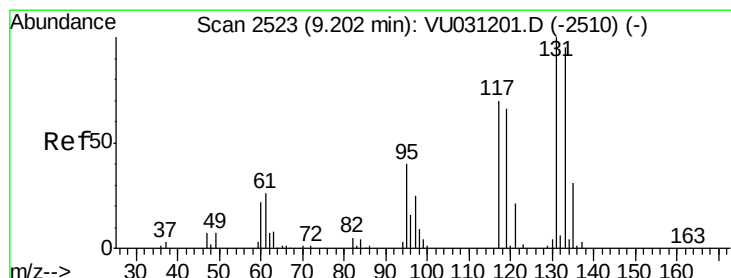
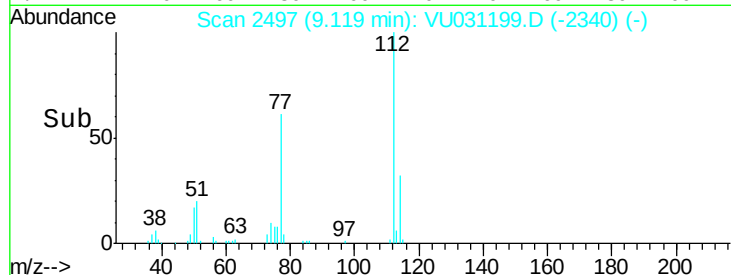
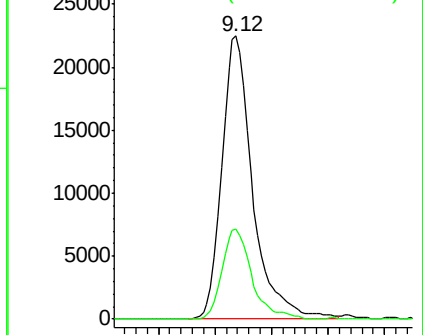
MMDadoda

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 1.812 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. 0.00 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

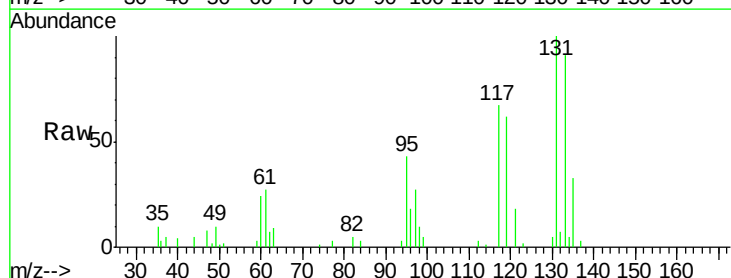
Tgt Ion:131 Resp: 16307

Ion Ratio Lower Upper

131 100

133 95.0 77.2 115.8

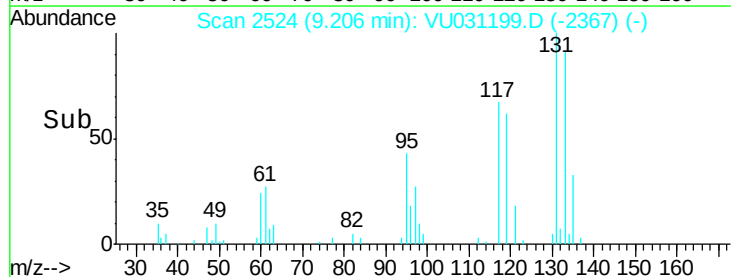
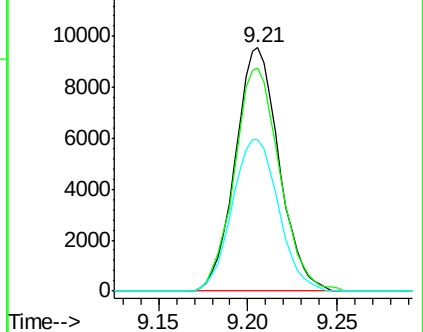
119 65.8 51.4 77.2

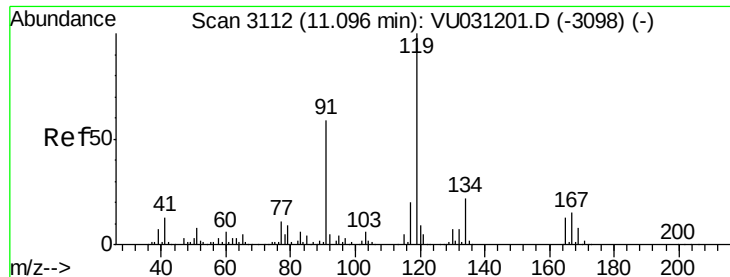


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





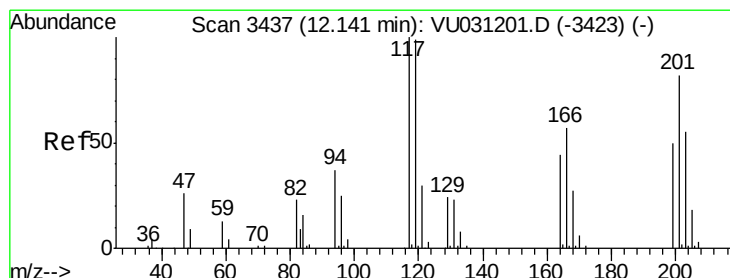
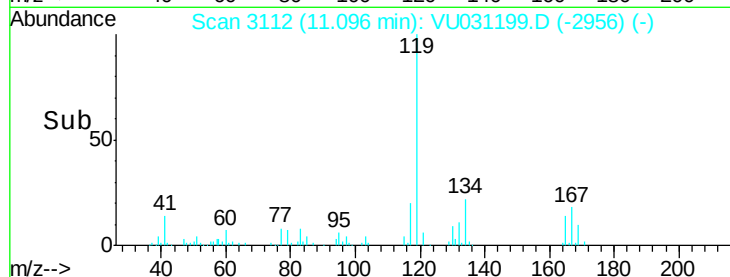
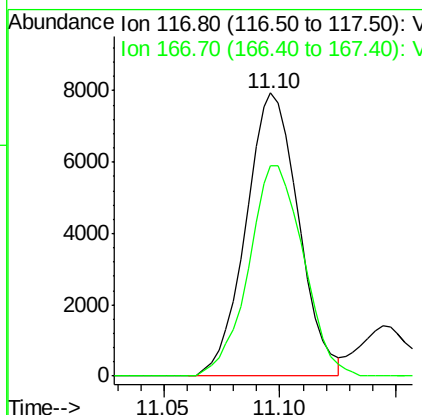
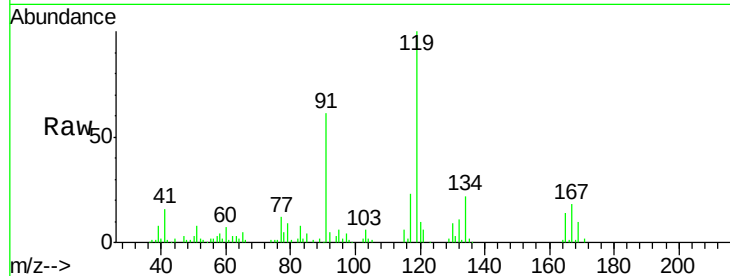
#61
 Pentachloroethane
 Concen: 1.819 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU031199.D
 Acq: 15 Apr 2019 21:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:117 Resp: 12542
 Ion Ratio Lower Upper
 117 100
 167 77.4 63.1 94.7

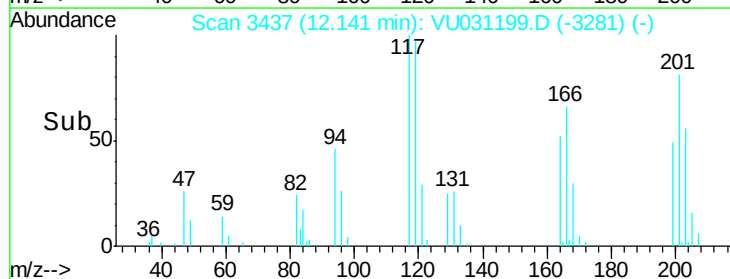
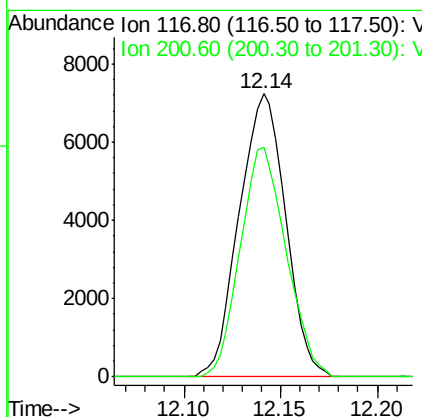
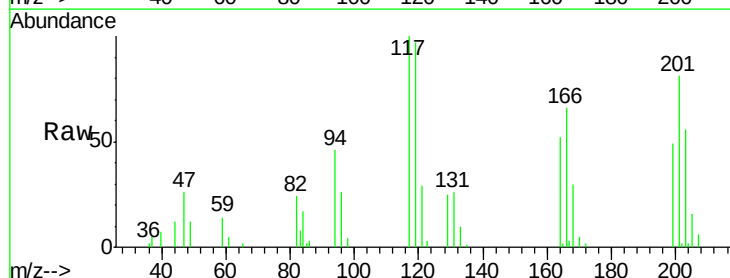
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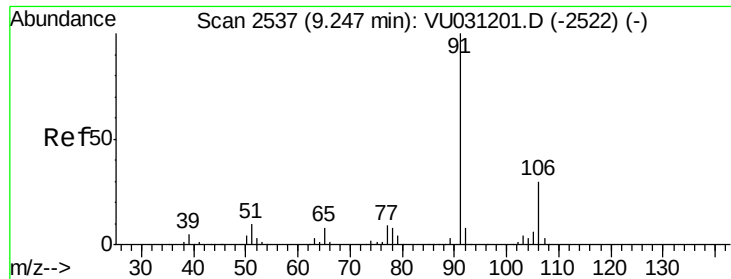
MMDadoda
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#62
 Hexachloroethane
 Concen: 1.840 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. 0.00 min
 Lab File: VU031199.D
 Acq: 15 Apr 2019 21:27

Tgt Ion:117 Resp: 12054
 Ion Ratio Lower Upper
 117 100
 201 80.4 63.9 95.9





#63

Ethyl Benzene

Concen: 1.639 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 64729

Ion Ratio Lower Upper

91 100

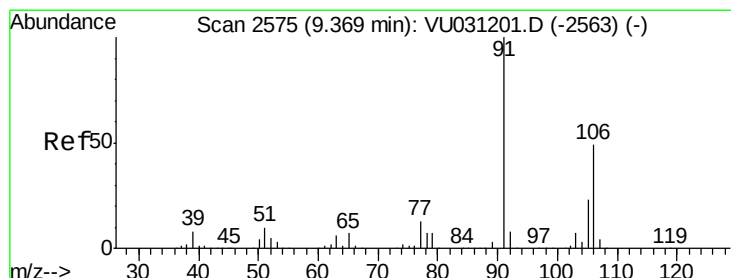
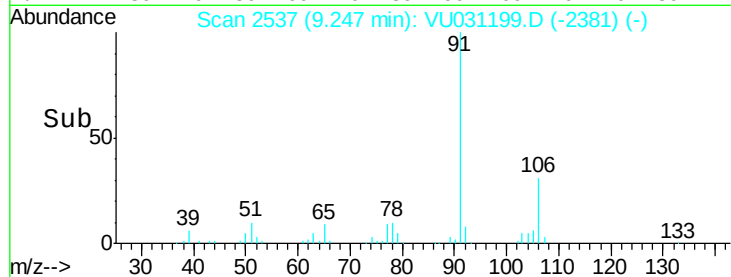
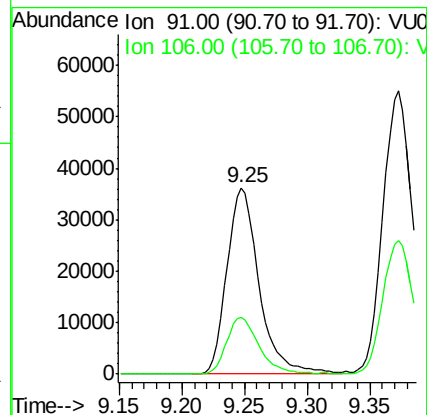
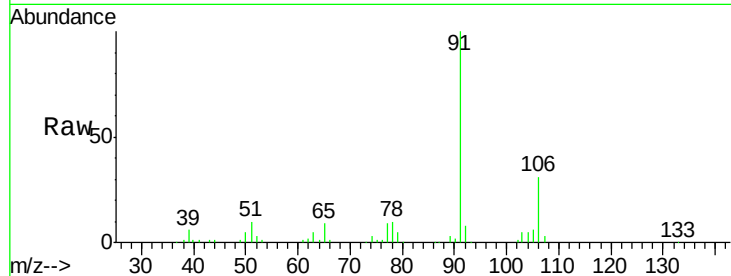
106 30.7 24.3 36.5

Manual Integrations

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#64

m/p-Xylenes

Concen: 3.297 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031199.D

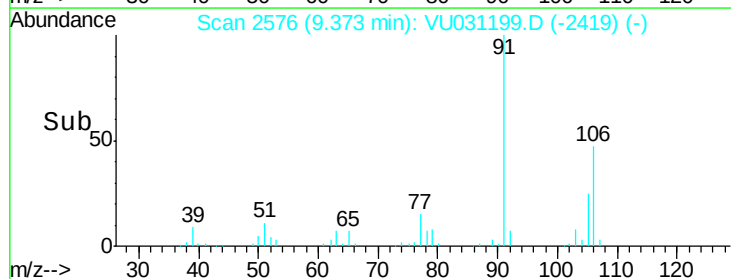
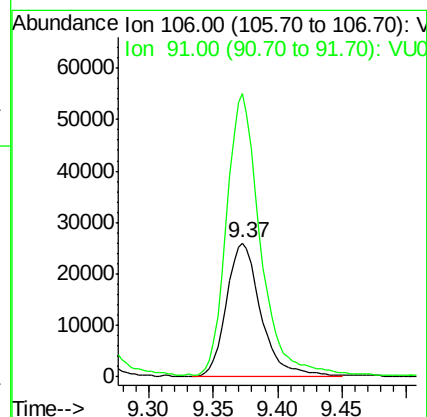
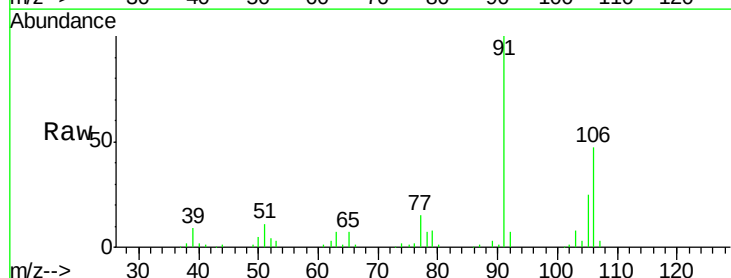
Acq: 15 Apr 2019 21:27

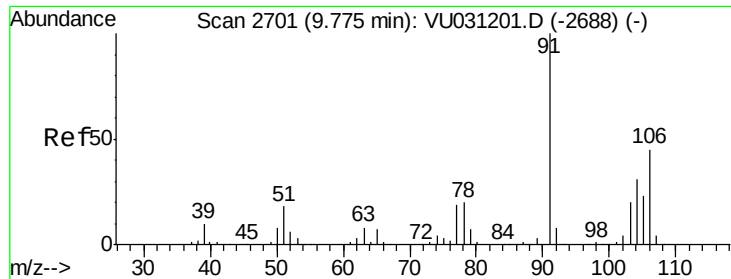
Tgt Ion: 106 Resp: 47600

Ion Ratio Lower Upper

106 100

91 209.8 165.7 248.5





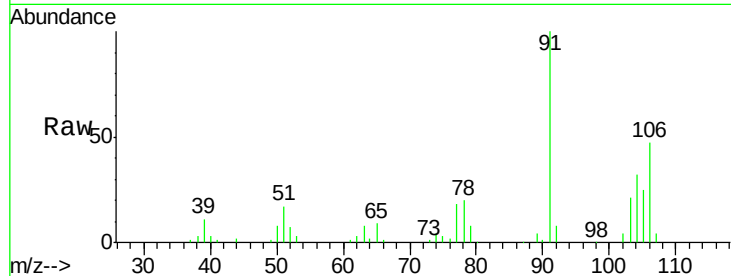
#65
o-Xylene
Concen: 1.706 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

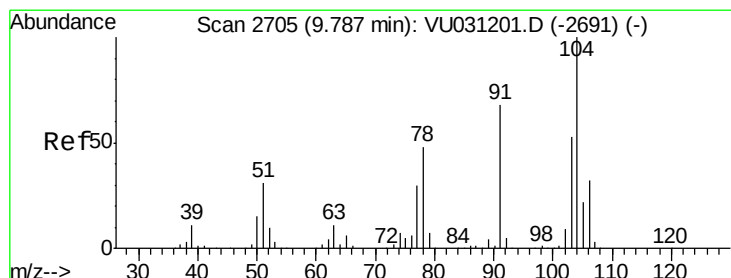
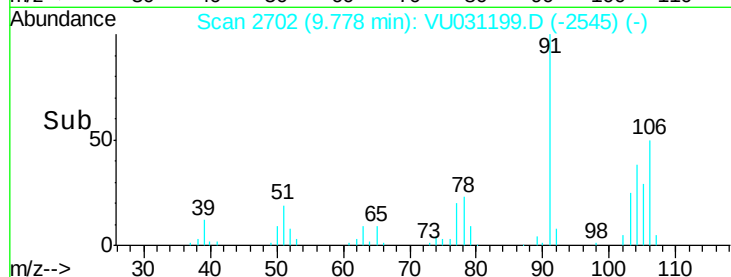
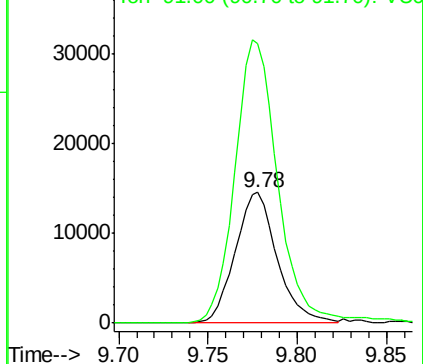
Tot Ion:106 Resp: 23941
Ion Ratio Lower Upper
106 100
91 219.9 111.3 333.8

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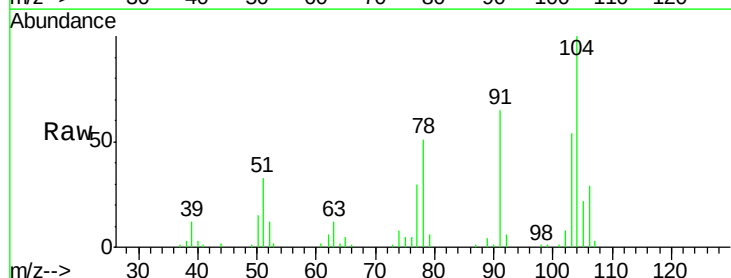


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

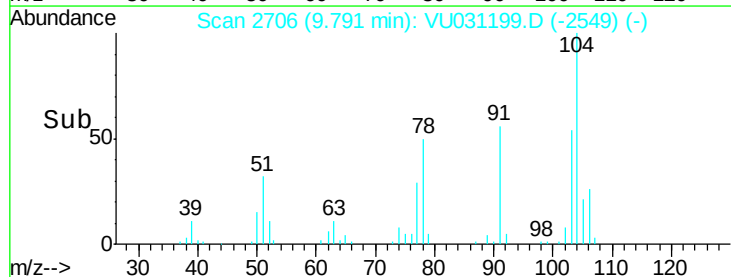
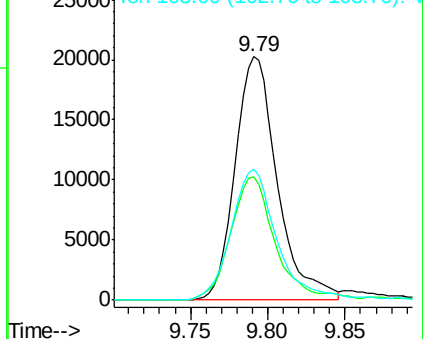


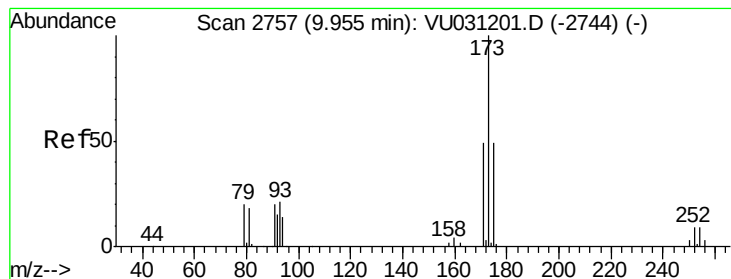
#66
Styrene
Concen: 1.584 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Tgt Ion:104 Resp: 38386
Ion Ratio Lower Upper
104 100
78 53.4 41.4 62.0
103 57.8 45.0 67.4



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: 1.851 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Instrument :

MSVOA_U

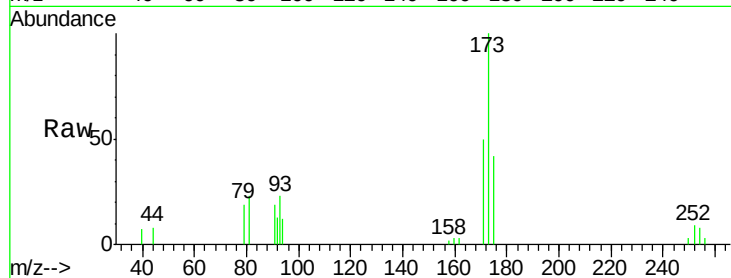
ClientSampleId :

VSTDIC002

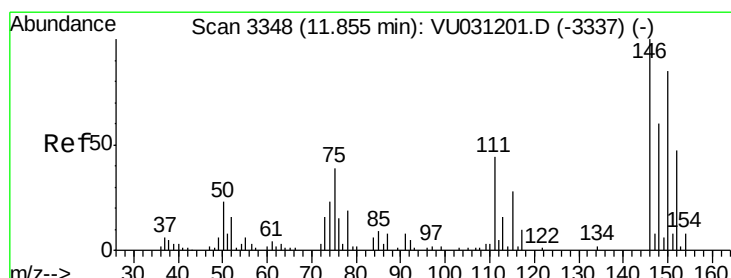
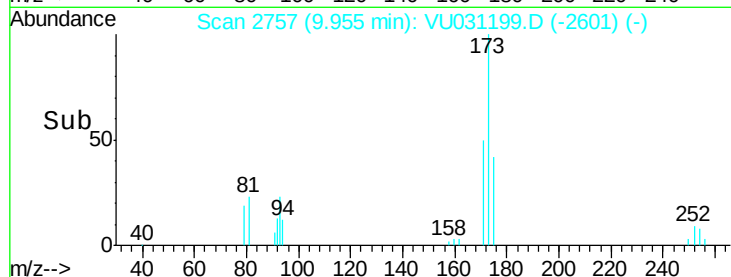
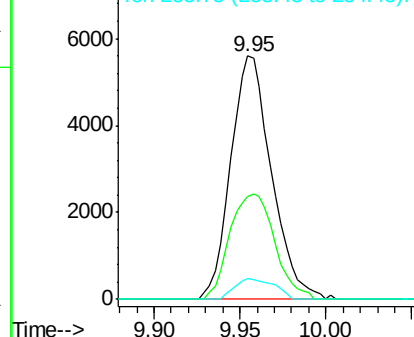
Tot Ion:	173	Resp:	9219
Ion Ratio	Lower	Upper	
173	100		
175	47.5	38.0	57.0
254	8.2	7.1	10.7

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



#68

1,2-Dichlorobenzene-d4

Concen: 1.851 ug/l

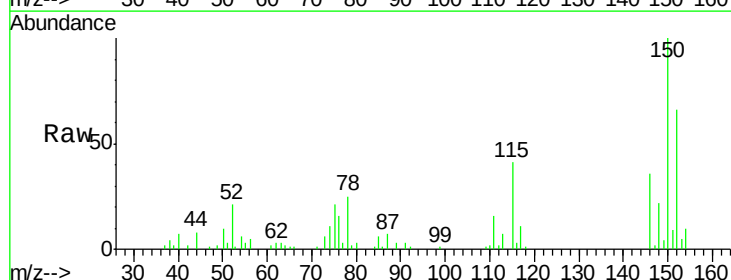
RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

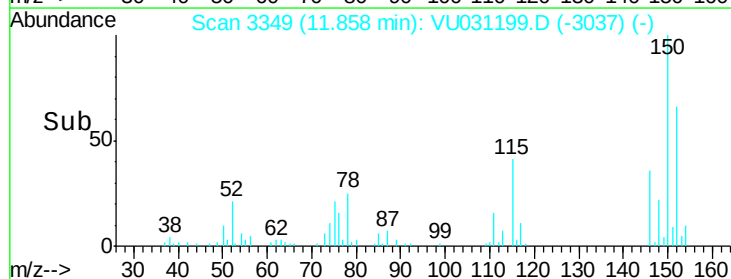
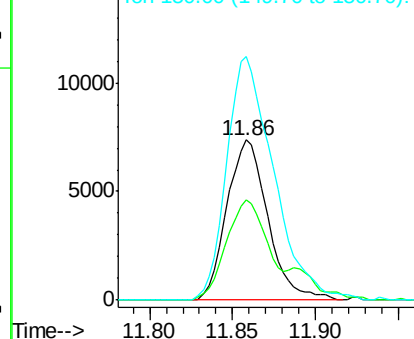
Lab File: VU031199.D

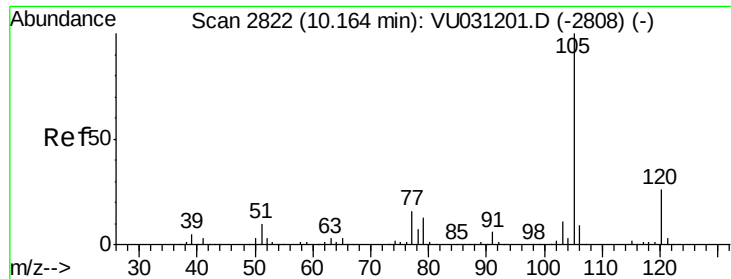
Acq: 15 Apr 2019 21:27

Tgt Ion:	152	Resp:	12666
Ion Ratio	Lower	Upper	
152	100		
115	62.6	0.0	130.0
150	174.4	0.0	639.0



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





#69

Isopropylbenzene

Concen: 1.665 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 62338

Ion Ratio Lower Upper

105 100

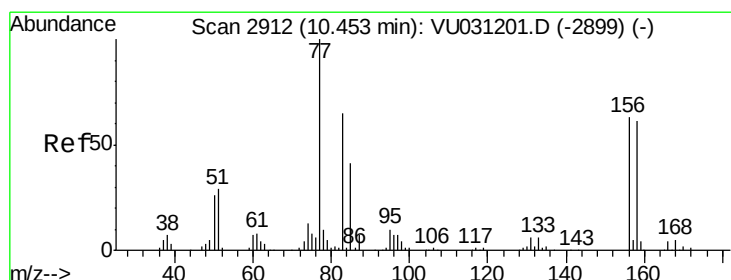
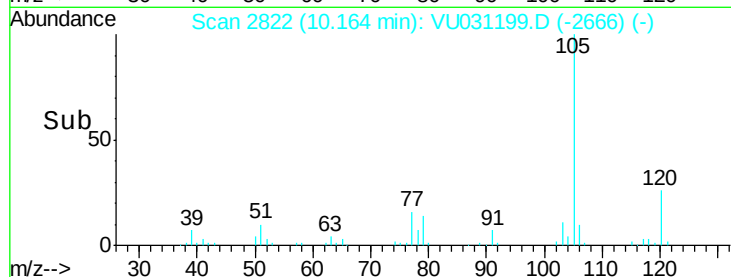
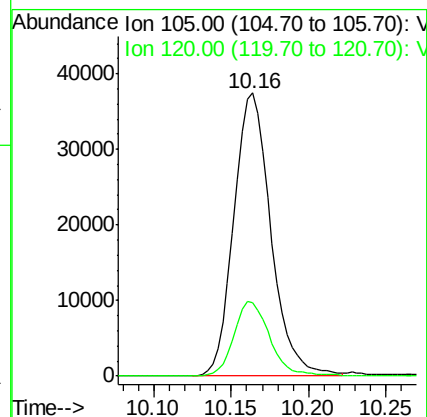
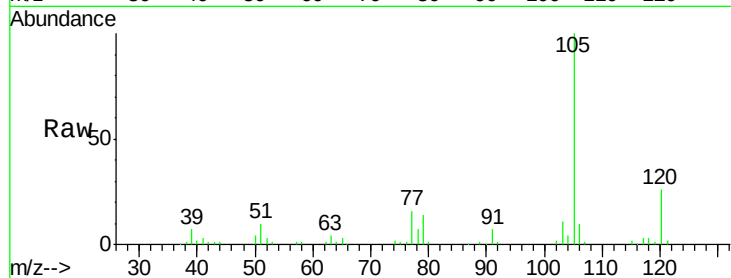
120 25.6 12.8 38.3

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 1.778 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

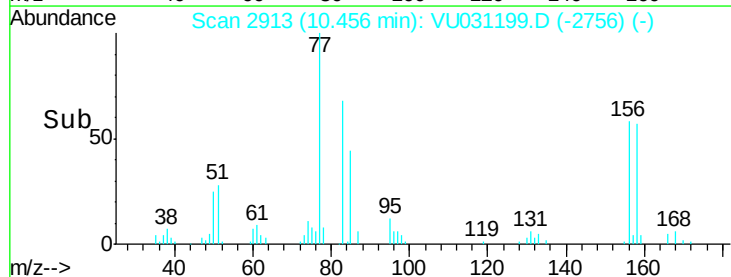
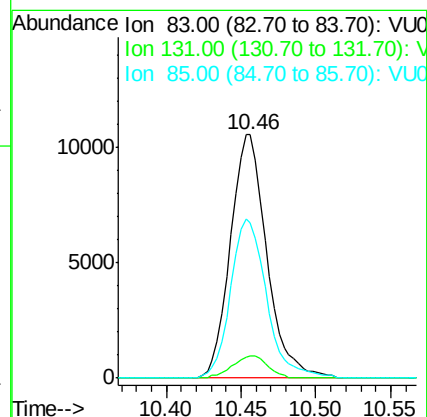
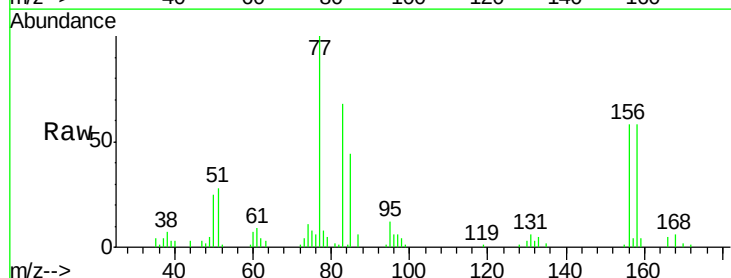
Tgt Ion: 83 Resp: 17838

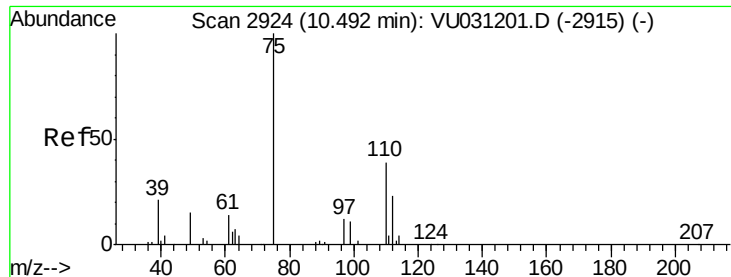
Ion Ratio Lower Upper

83 100

131 8.8 8.0 12.0

85 64.8 51.3 76.9





#71

1,2,3-Trichloropropane

Concen: 1.798 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Instrument :

MSVOA_U

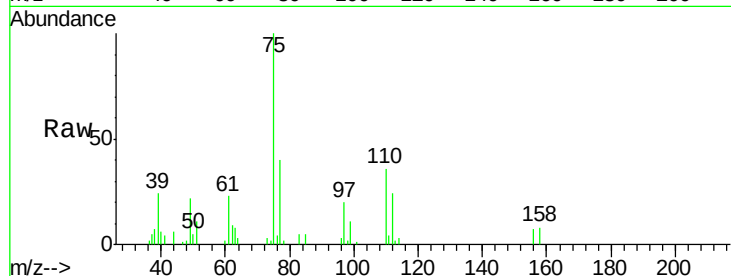
ClientSampled :

VSTDIC002

Tot Ion	75	Resp:	13716
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	33.7	0.0	71.0
97	19.2	0.0	40.4

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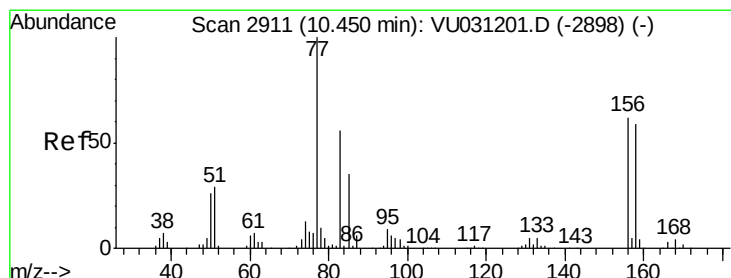
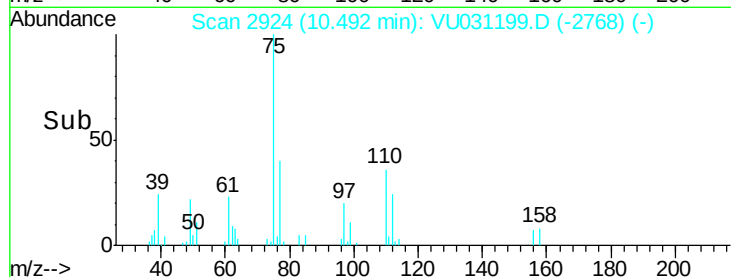
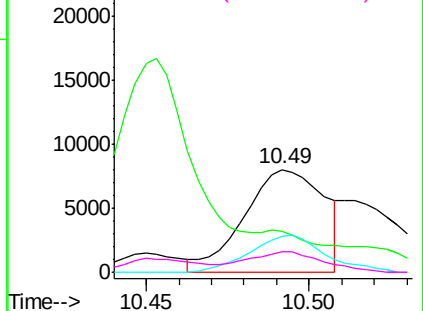
Abundance

Ion 75.00 (74.70 to 75.70): VU031201.D (-2915) (-)

Ion 77.00 (76.70 to 77.70): VU031201.D (-2915) (-)

Ion 110.00 (109.70 to 110.70): VU031201.D (-2915) (-)

Ion 97.00 (96.70 to 97.70): VU031201.D (-2915) (-)



#72

Bromobenzene

Concen: 1.885 ug/l

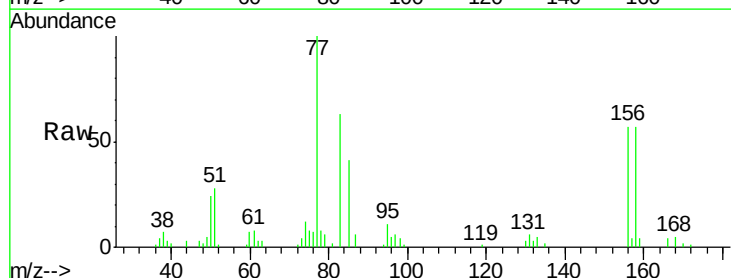
RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Tgt Ion	156	Resp:	17841
Ion	Ratio	Lower	Upper
156	100		
77	159.7	0.0	322.6
158	94.3	0.0	191.0

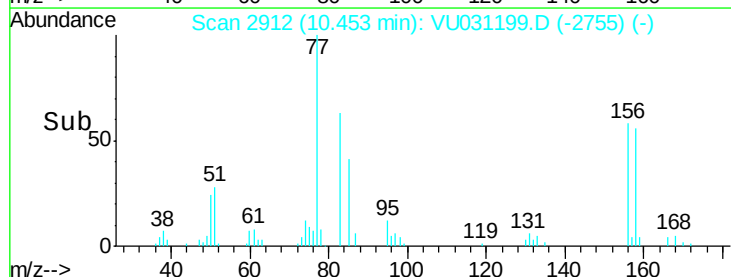
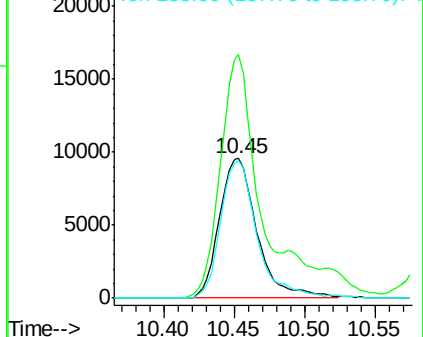


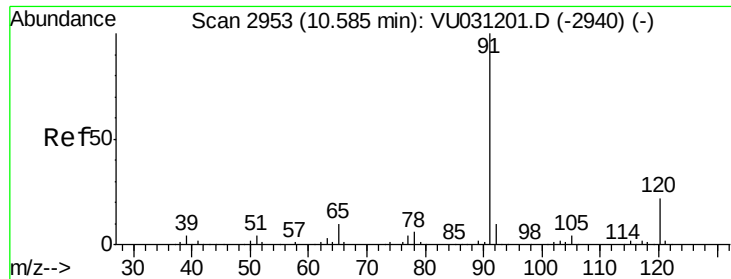
Abundance

Ion 156.00 (155.70 to 156.70): VU031201.D (-2898) (-)

Ion 77.00 (76.70 to 77.70): VU031201.D (-2898) (-)

Ion 158.00 (157.70 to 158.70): VU031201.D (-2898) (-)





#73

n-propylbenzene

Concen: 1.642 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:120 Resp: 16404

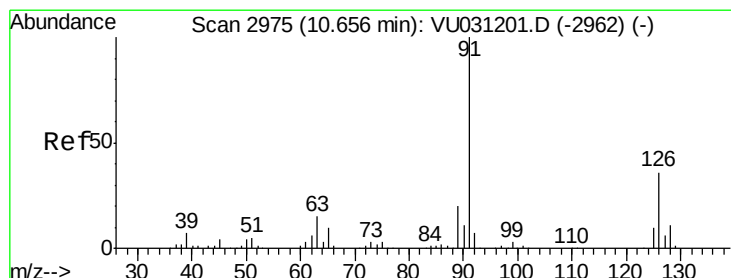
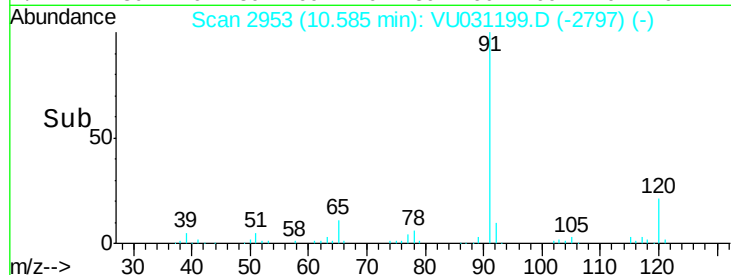
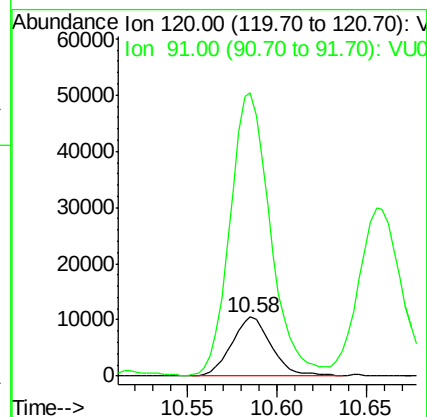
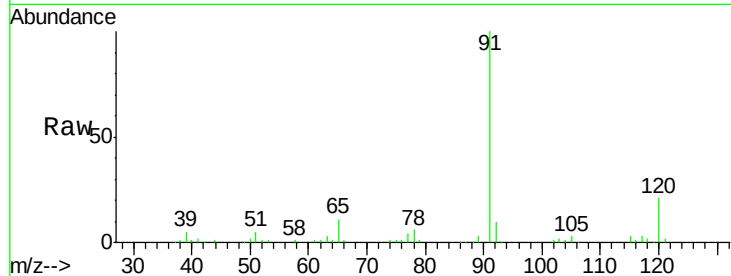
Ion Ratio Lower Upper

120 100

91 479.7 364.9 547.3

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#74

2-Chlorotoluene

Concen: 1.746 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU031199.D

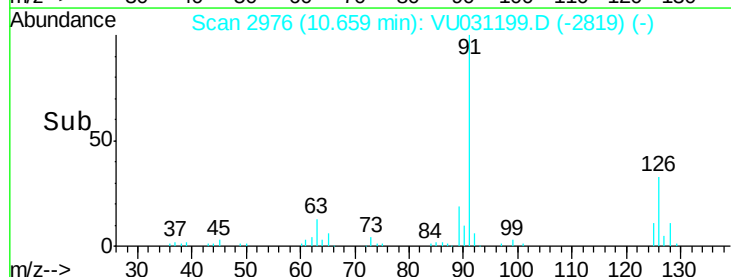
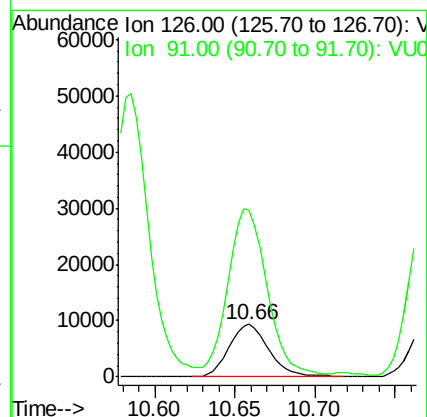
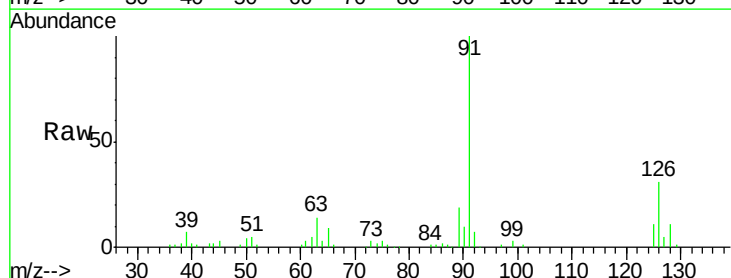
Acq: 15 Apr 2019 21:27

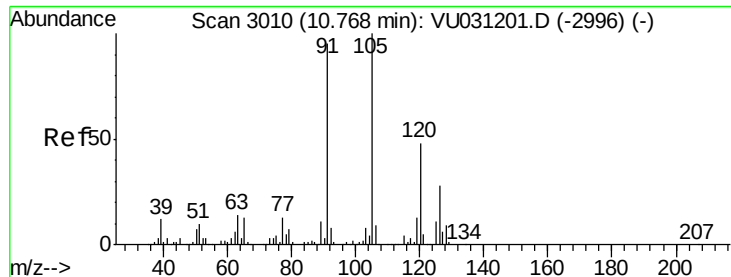
Tgt Ion:126 Resp: 15917

Ion Ratio Lower Upper

126 100

91 304.1 0.0 612.6





#75

1,3,5-Trimethylbenzene

Concen: 1.704 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 54040

Ion Ratio Lower Upper

105 100

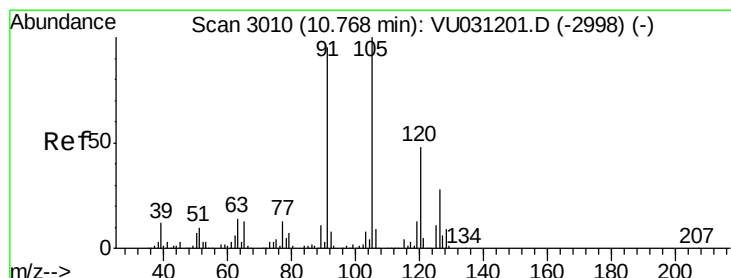
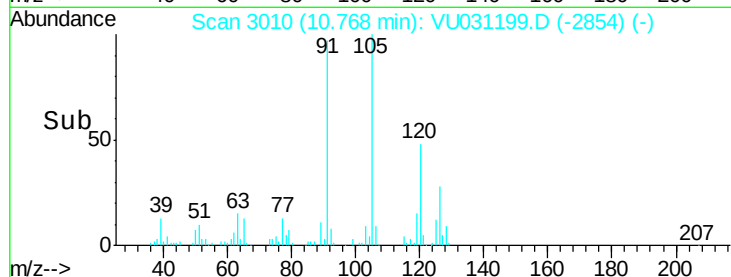
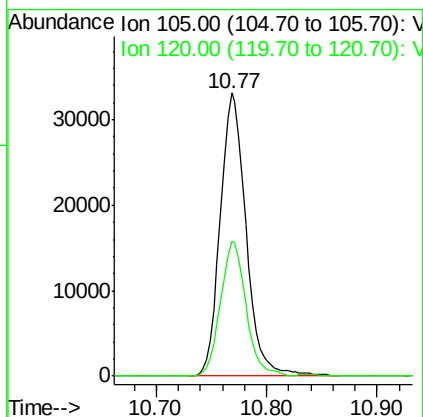
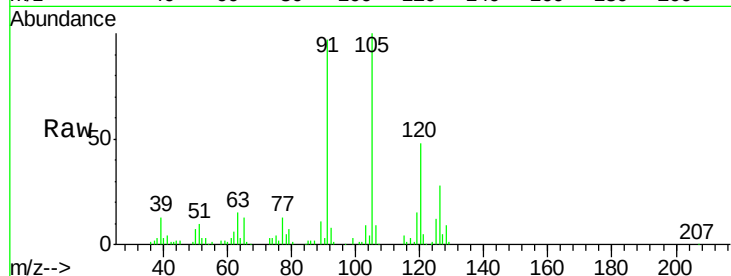
120 46.8 38.7 58.1

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#76

4-Chlorotoluene

Concen: 1.739 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU031199.D

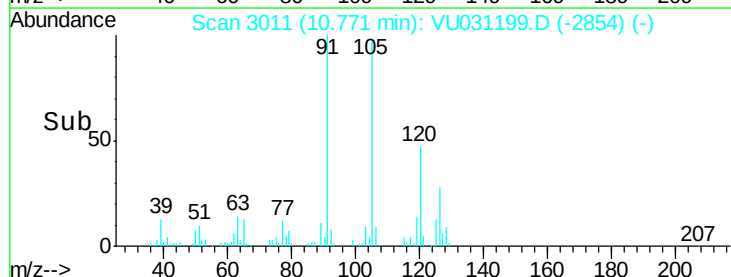
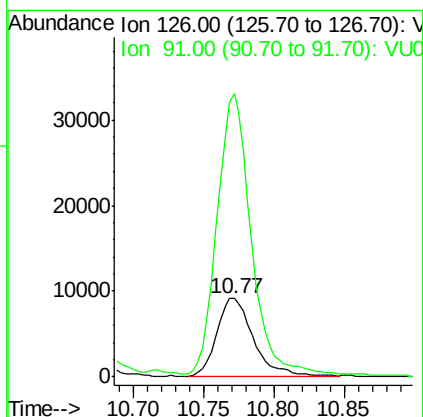
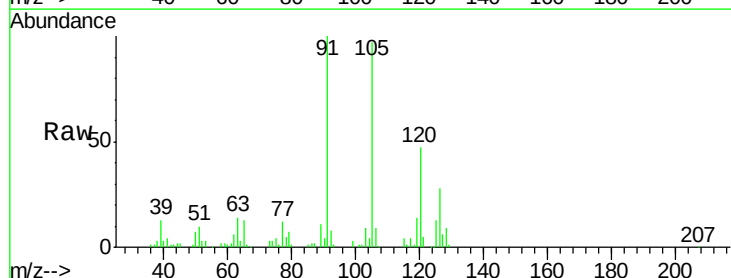
Acq: 15 Apr 2019 21:27

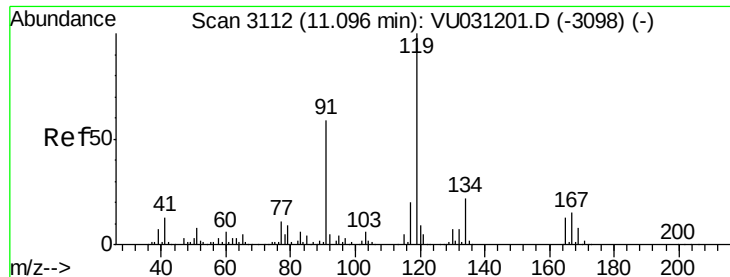
Tgt Ion:126 Resp: 16175

Ion Ratio Lower Upper

126 100

91 337.2 0.0 683.8





#77

tert-Butylbenzene

Concen: 1.727 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:119 Resp: 53384

Ion Ratio Lower Upper

119 100

91 60.3 29.4 88.3

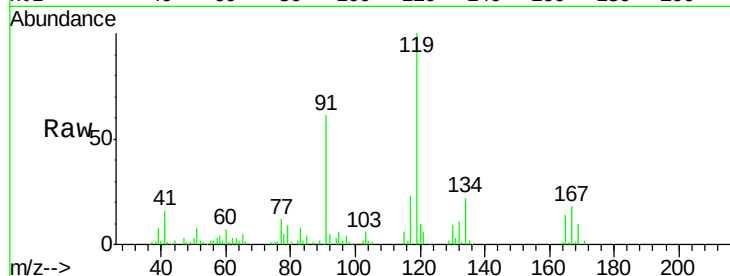
134 22.3 17.9 26.9

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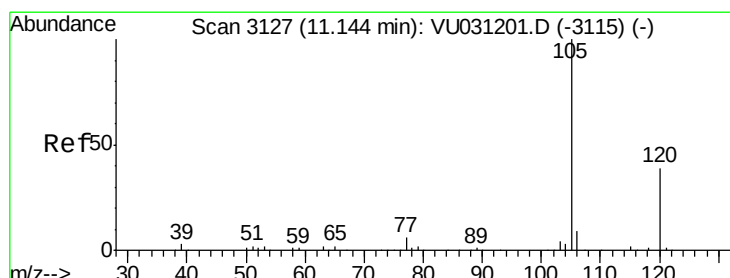
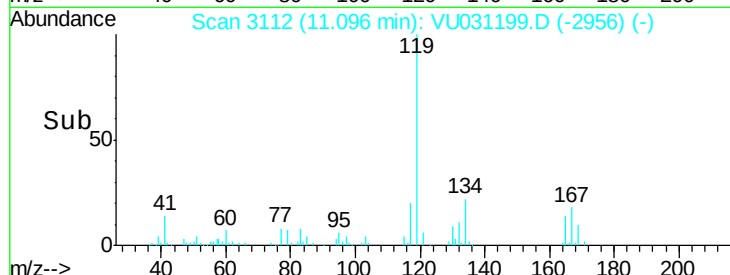
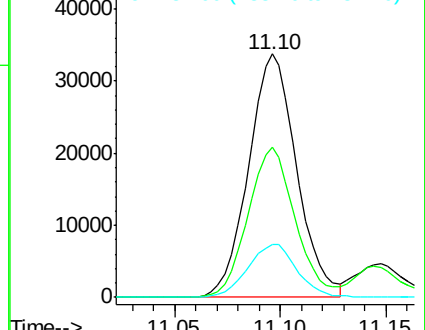
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 1.683 ug/l

RT: 11.14 min Scan# 3127

Delta R.T. 0.00 min

Lab File: VU031199.D

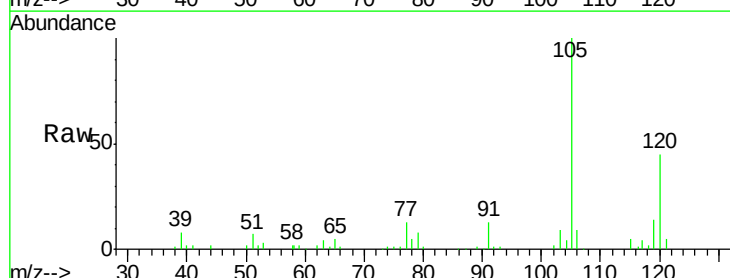
Acq: 15 Apr 2019 21:27

Tgt Ion:105 Resp: 54374

Ion Ratio Lower Upper

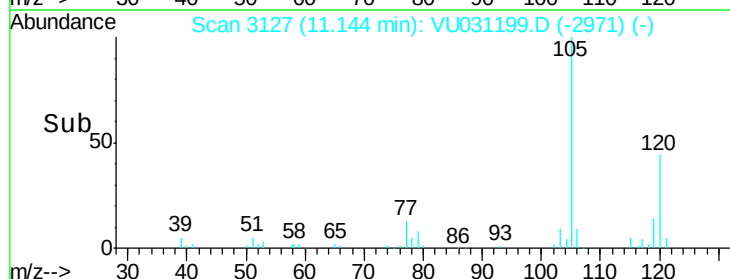
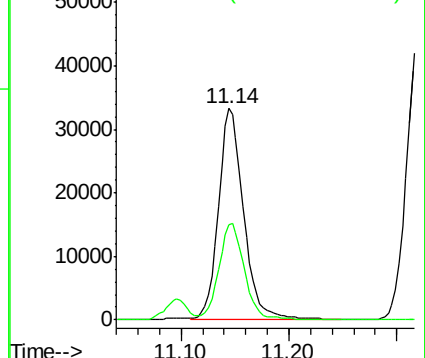
105 100

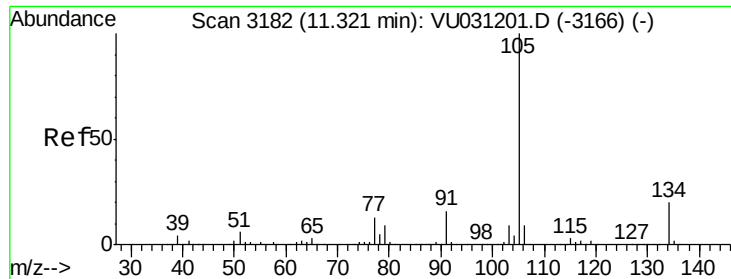
120 46.1 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 1.704 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

Instrument :

MSVOA_U

ClientSampled :

VSTDIC002

Tot Ion: 105 Resp: 71559

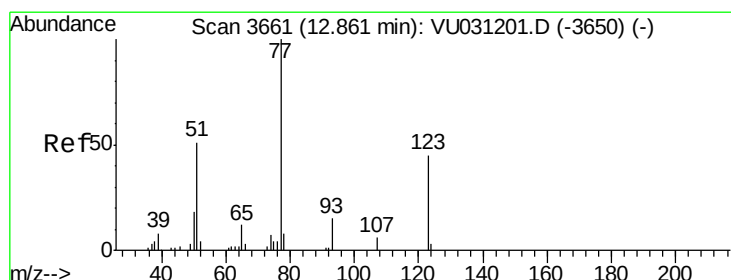
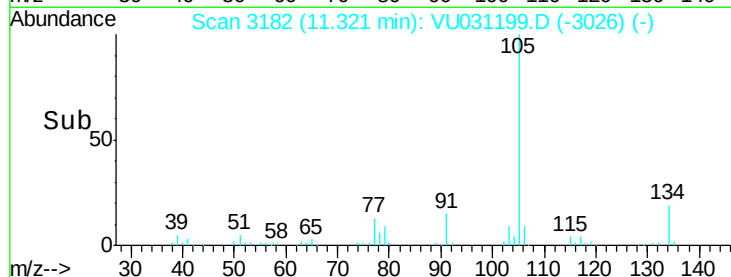
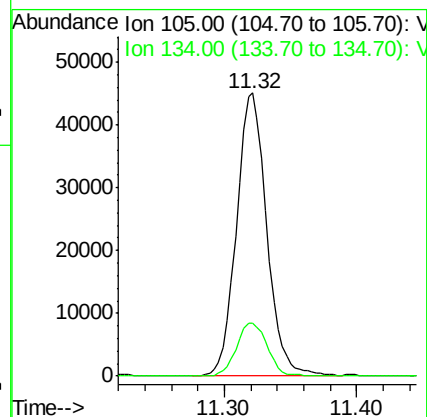
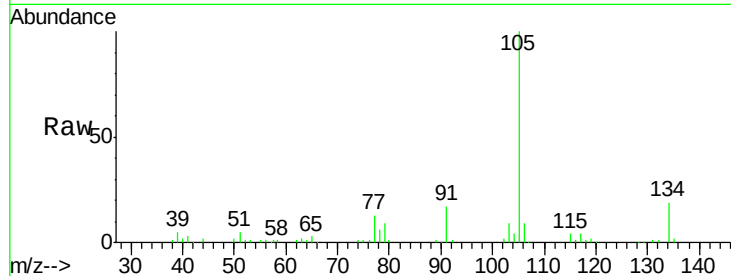
Ion Ratio Lower Upper

105 100

134 19.0 15.5 23.3

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#80

Nitrobenzene

Concen: 8.012 ug/l m

RT: 12.88 min Scan# 3667

Delta R.T. 0.02 min

Lab File: VU031199.D

Acq: 15 Apr 2019 21:27

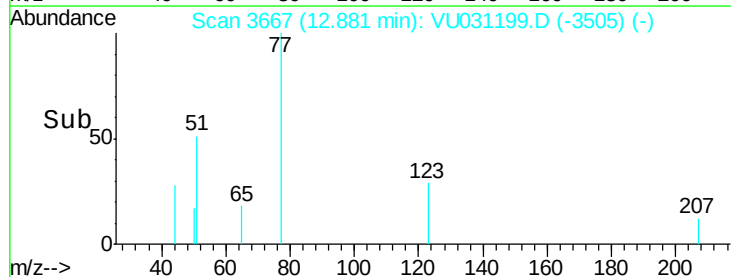
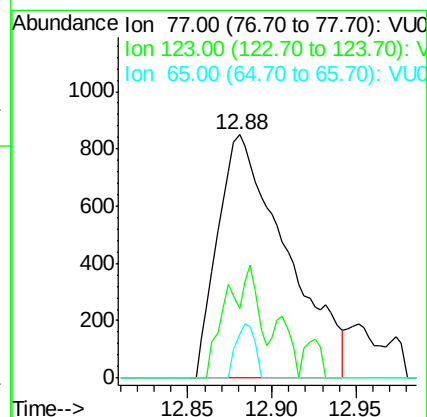
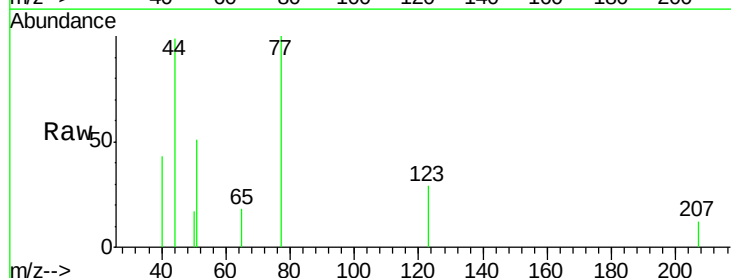
Tgt Ion: 77 Resp: 2392

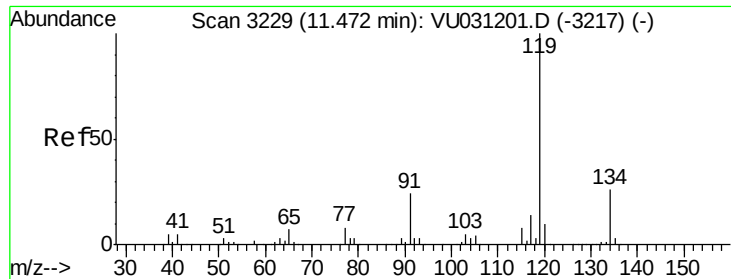
Ion Ratio Lower Upper

77 100

123 3.4 17.1 60.7#

65 6.0 9.4 12.0#





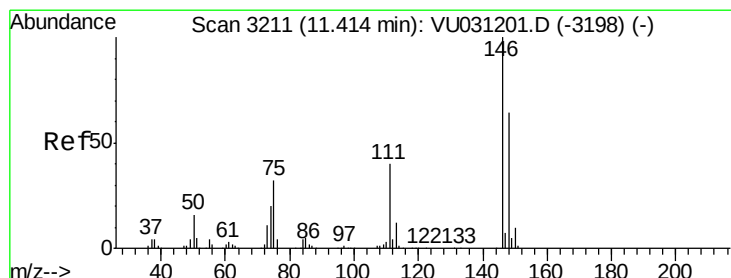
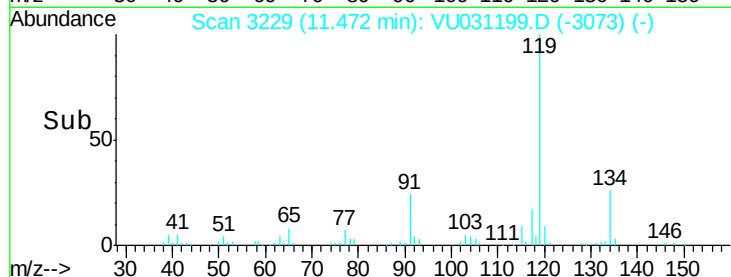
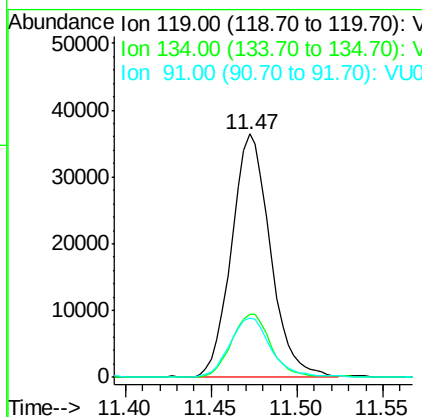
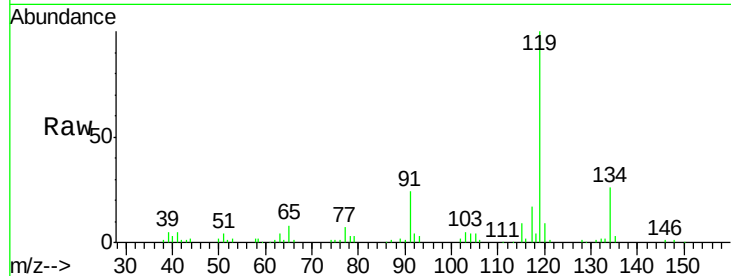
#81
 p-Isopropyltoluene
 Concen: 1.747 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU031199.D
 Acq: 15 Apr 2019 21:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	21.0	31.4
91	26.1	19.4	29.2

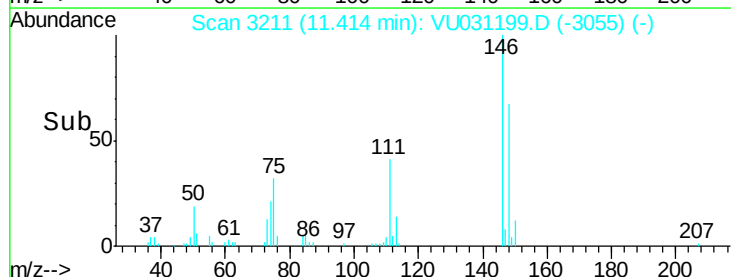
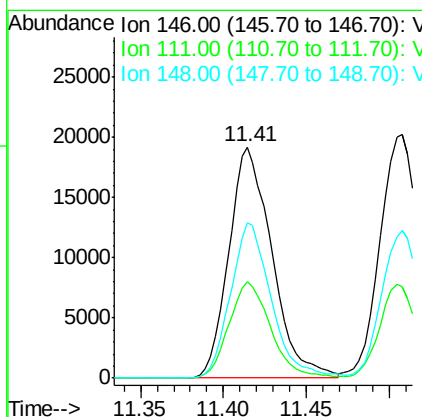
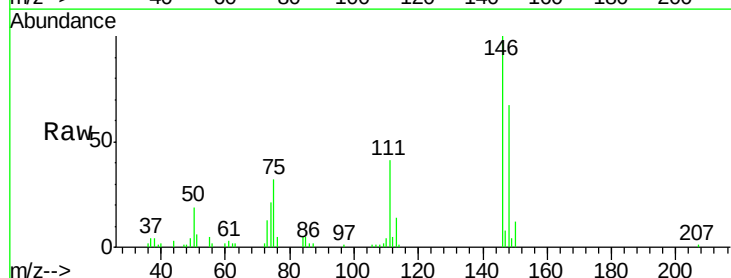
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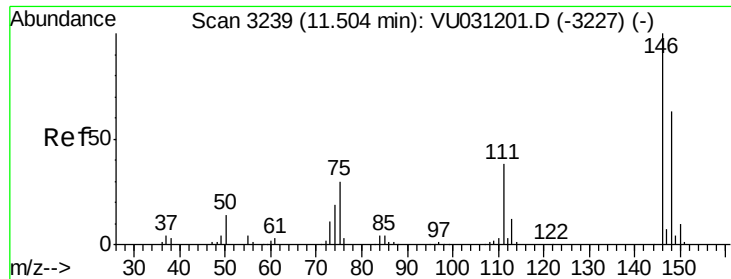
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#82
 1,3-Dichlorobenzene
 Concen: 1.852 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU031199.D
 Acq: 15 Apr 2019 21:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	32.4	48.6
148	63.7	50.8	76.2





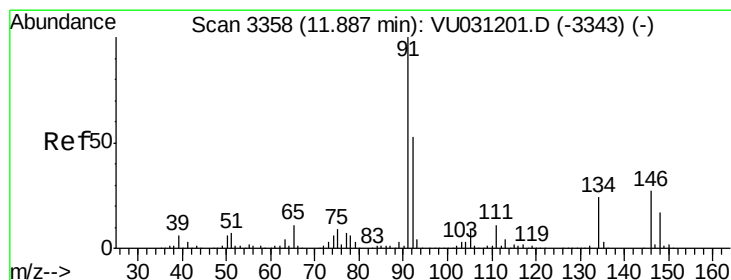
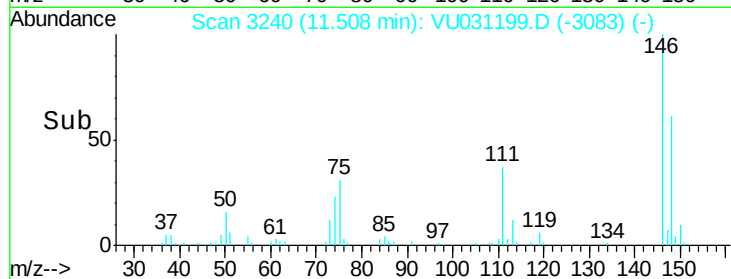
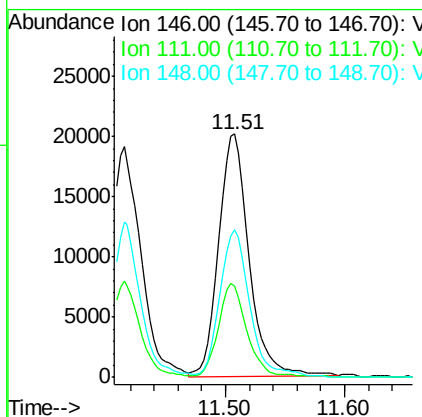
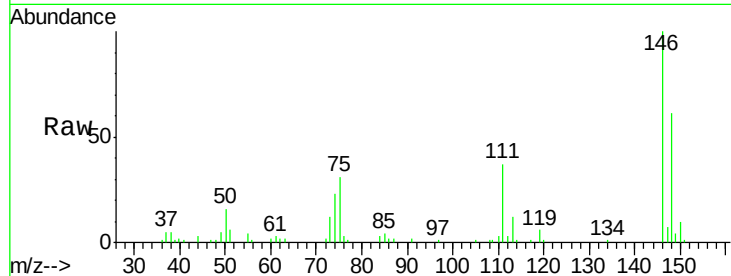
#83
 1,4-Dichlorobenzene
 Concen: 1.910 ug/l
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU031199.D
 Acq: 15 Apr 2019 21:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.8	30.6	46.0
148	60.8	51.1	76.7

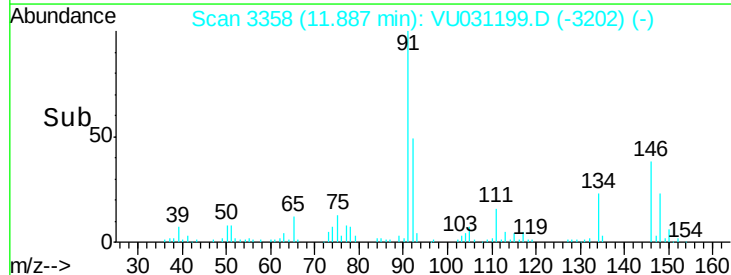
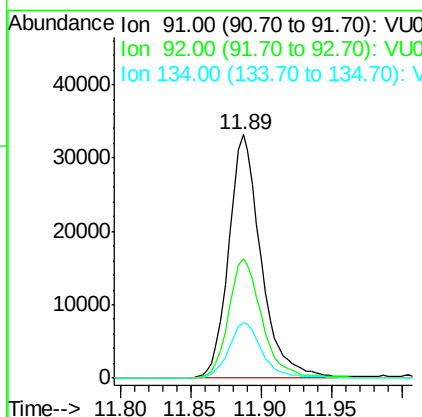
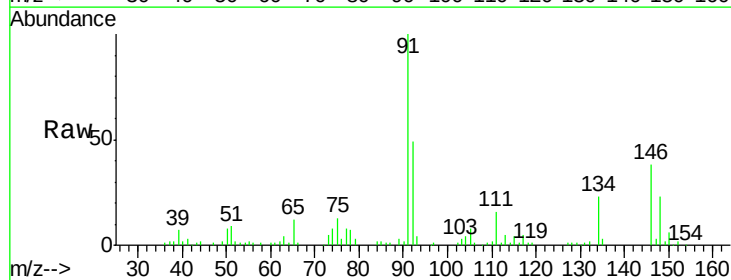
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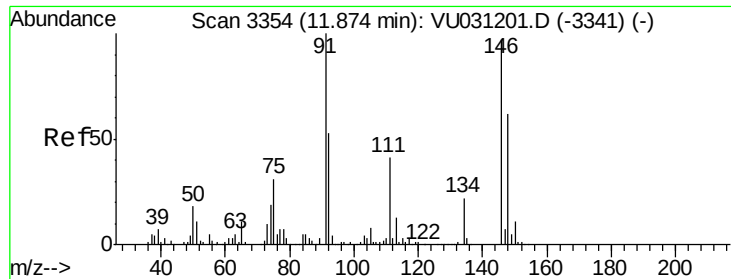
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#84
 n-Butylbenzene
 Concen: 1.612 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU031199.D
 Acq: 15 Apr 2019 21:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.5	42.6	63.8
134	23.4	19.1	28.7





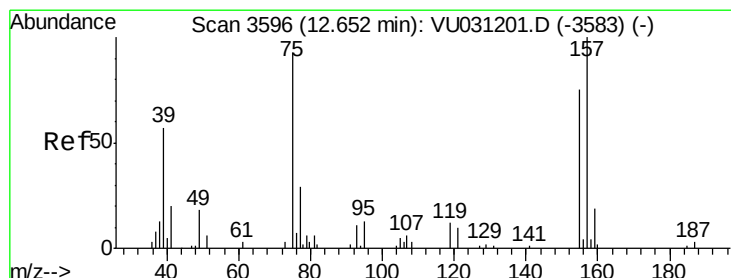
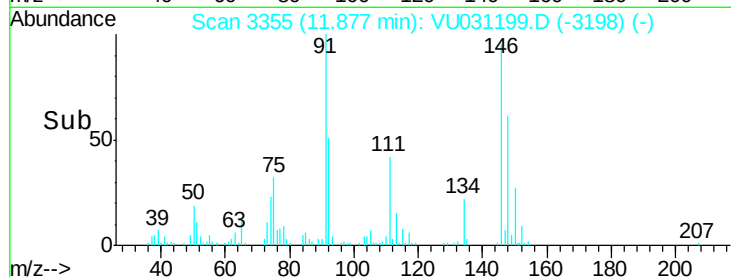
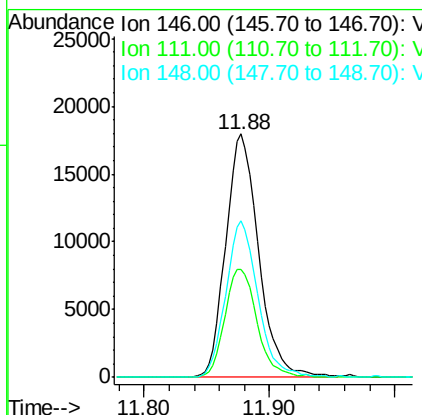
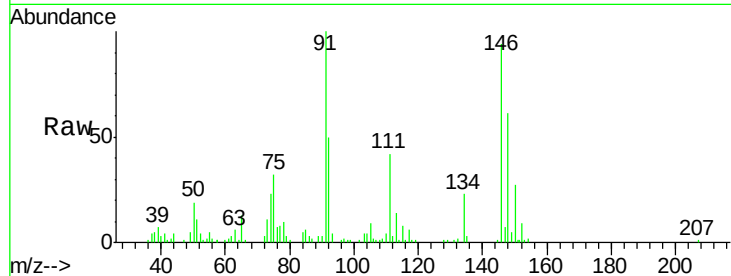
#85
 1,2-Dichlorobenzene
 Concen: 1.837 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU031199.D
 Acq: 15 Apr 2019 21:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.8	62.5
148	62.7	31.4	94.3

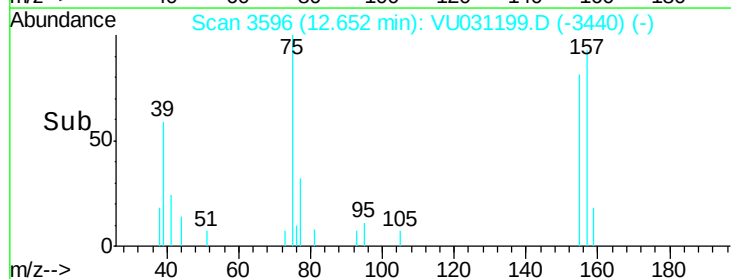
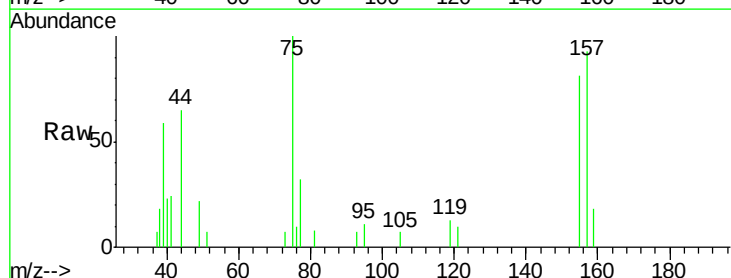
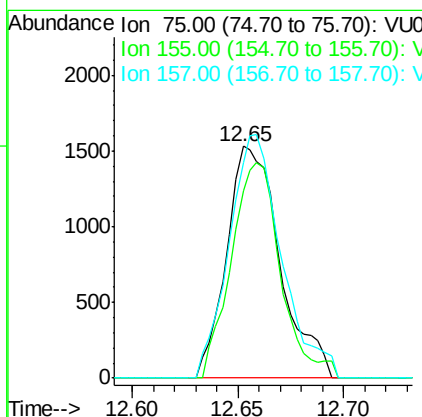
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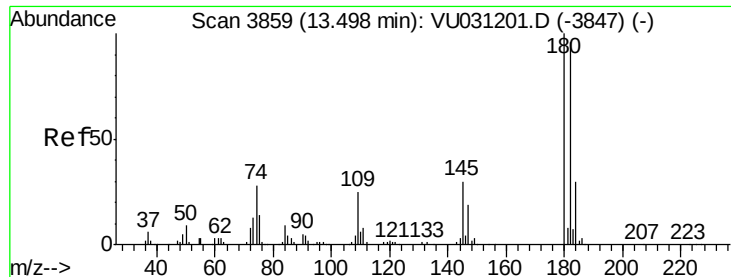
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.719 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU031199.D
 Acq: 15 Apr 2019 21:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.6	61.7	92.5
157	103.1	81.3	121.9





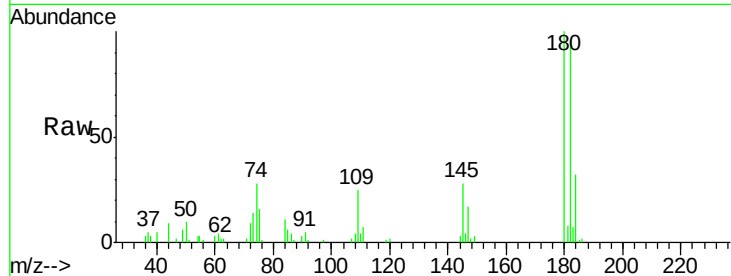
#87
 1,2,4-Trichlorobenzene
 Concen: 1.689 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU031199.D
 Acq: 15 Apr 2019 21:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

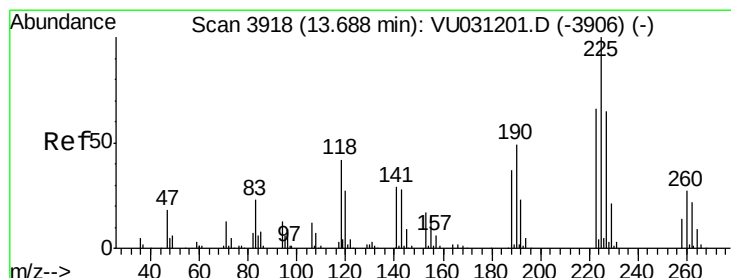
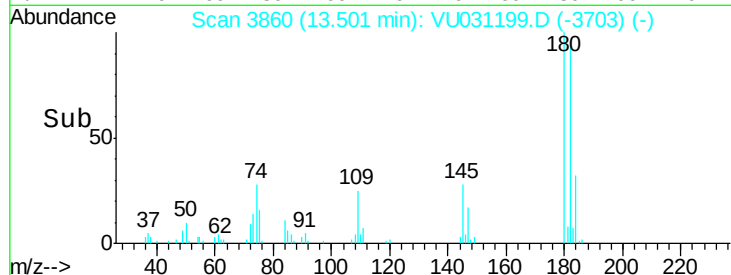
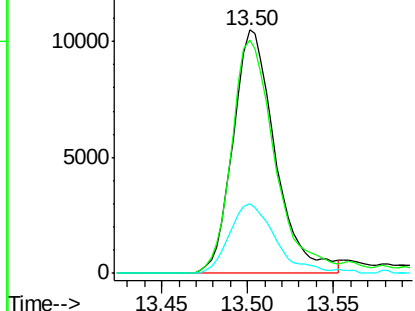
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.8	75.0	112.6
145	30.8	23.4	35.2

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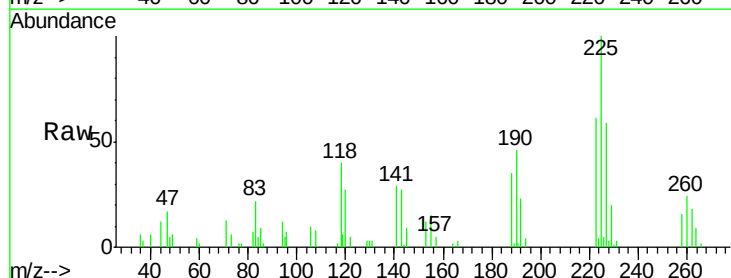


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

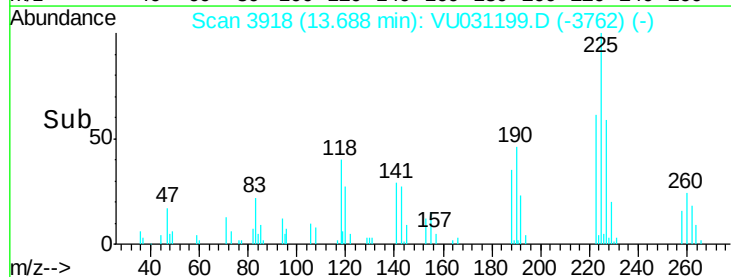
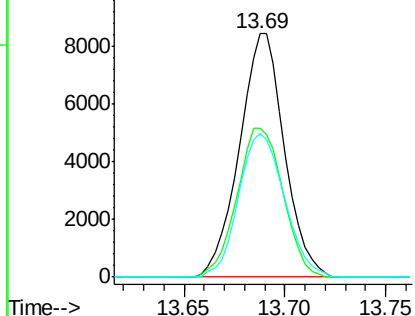


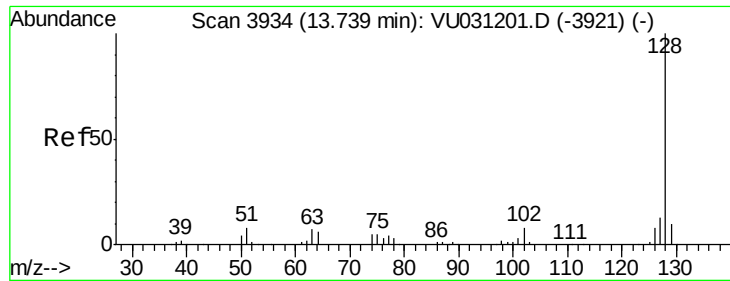
#88
 Hexachlorobutadiene
 Concen: 2.065 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU031199.D
 Acq: 15 Apr 2019 21:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	51.4	77.2
227	60.0	51.2	76.8



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





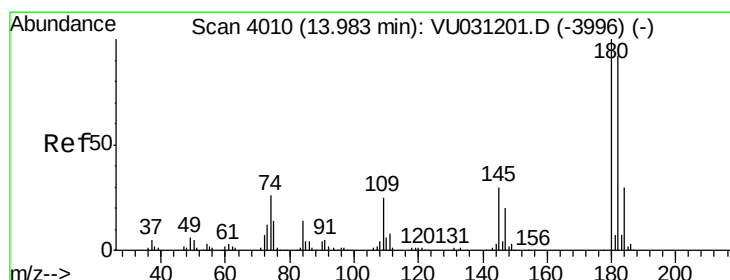
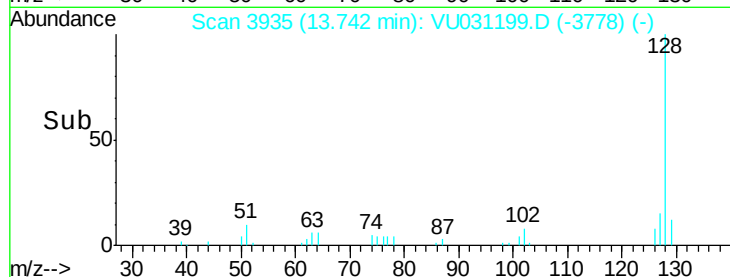
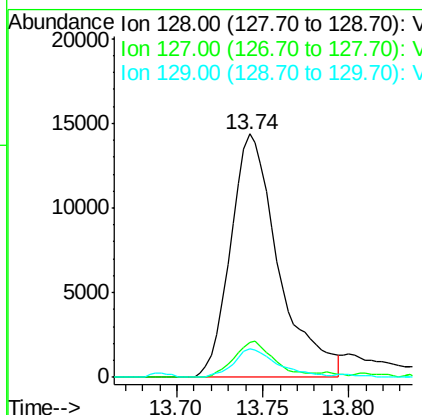
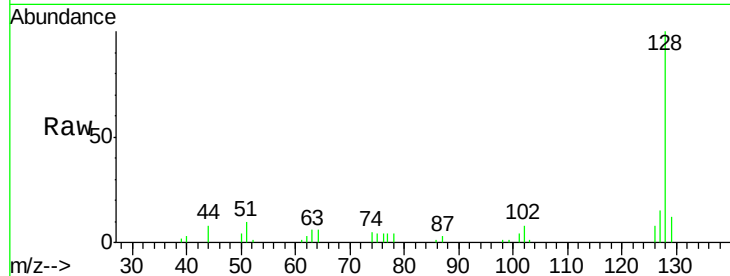
#89
Naphthalene
Concen: 1.492 ug/l
RT: 13.74 min Scan# 3935
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	11.0	16.4
129	10.8	8.3	12.5

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#90
1,2,3-Trichlorobenzene
Concen: 1.753 ug/l
RT: 13.99 min Scan# 4011
Delta R.T. 0.00 min
Lab File: VU031199.D
Acq: 15 Apr 2019 21:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.0	76.4	114.6
145	29.4	25.3	37.9

