

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041619\
 Data File : VU031208.D
 Acq On : 16 Apr 2019 12:12
 Operator : JC/SP
 Sample : VU0416WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0416WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 9:15:16 AM

Quant Time: Apr 17 03:47:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U041519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Apr 16 04:55:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	34811	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	12506	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	12463	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	29941	1.989	ug/l	98
3) Chloromethane	1.32	50	31915	2.009	ug/l	95
4) Vinyl Chloride	1.40	62	31193	2.010	ug/l	100
5) Bromomethane	1.63	94	26198	2.881	ug/l	100
6) Chloroethane	1.70	64	21267	1.985	ug/l	95
7) Trichlorofluoromethane	1.89	101	46182	2.041	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	23502	2.086	ug/l	99
9) 1,1-Dichloroethene	2.29	96	23718	2.107	ug/l	98
10) Iodomethane	2.41	142	19947	1.312	ug/l	94
11) Allyl Chloride	2.59	41	45610	2.065	ug/l	99
12) Acrylonitrile	2.94	53	14609	4.437	ug/l	96
13) Acetone	2.32	43	28971	10.720	ug/l	96
14) Carbon Disulfide	2.48	76	87330	2.101	ug/l	97
15) Methylene Chloride	2.70	84	28092	1.936	ug/l	96
16) trans-1,2-Dichloroethene	2.98	96	26064	2.098	ug/l	95
17) 1,1-Dichloroethane	3.44	63	42833	2.177	ug/l	98
18) 2-Butanone	4.28	43	31625	10.335	ug/l	100
19) Cyclohexane	4.99	56	27965	2.020	ug/l	96
20) Methylcyclohexane	6.41	83	29726	2.118	ug/l	99
21) 2,2-Dichloropropane	4.22	77	31609	2.073	ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	21959	2.028	ug/l	97
23) Diethyl Ether	2.10	59	21919	2.088	ug/l	97
24) tert-Butyl Alcohol	2.84	59	22108	19.774	ug/l #	86
25) Methyl tert-Butyl Ether	3.00	73	69031	2.104	ug/l	99
26) Bromochloromethane	4.54	128	9826	1.990	ug/l	96
27) Chloroform	4.67	83	39116	2.010	ug/l	96
28) 1,1,1-Trichloroethane	4.91	97	32828	1.984	ug/l	99
29) 1,1-Dichloropropene	5.13	75	28310	2.040	ug/l	98
30) Carbon Tetrachloride	5.13	117	29820	2.040	ug/l	98
31) Isopropyl Ether	3.57	45	57360	1.988	ug/l	98
32) Ethyl-t-butyl ether	4.07	59	46732	1.910	ug/l	98
33) Tert-Amyl methyl ether	5.58	73	42139	1.968	ug/l	96
34) Propionitrile	4.34	54	8986	10.628	ug/l #	95
35) Benzene	5.39	78	83318	2.018	ug/l	98
36) 1,2-Dichloroethane	5.41	62	26714	2.033	ug/l	98
37) Trichloroethene	6.18	130	22995	1.986	ug/l	94
38) 1,2-Dichloropropane	6.43	63	22271	2.025	ug/l	100
39) Methacrylonitrile	4.55	41	8064	2.118	ug/l #	91
40) Methyl acrylate	4.43	55	10317	2.151	ug/l #	75
41) Tetrahydrofuran	4.65	42	7666	3.942	ug/l	93
42) 1-Chlorobutane	5.06	56	38468	1.947	ug/l	95

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Instrument :
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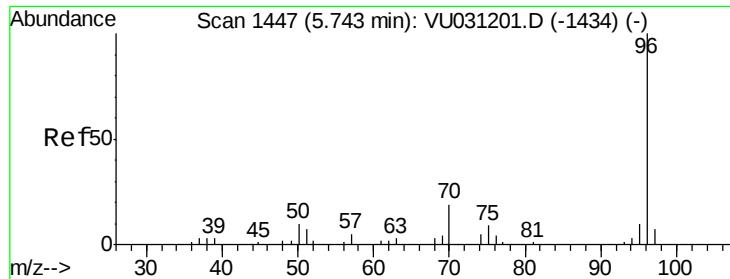
Manual Integrations
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 4/17/2019 9:15:16 AM

Quant Time: Apr 17 03:47:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U041519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Apr 16 04:55:56 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	11974	2.024	ug/l	99
44) Bromodichloromethane	6.76	83	29684	2.082	ug/l	95
45) 4-Methyl-2-Pentanone	7.46	43	72672	10.413	ug/l	97
46) t-1,4-Dichloro-2-butene	10.51	75	10440m	3.924	ug/l	
47) Methyl methacrylate	6.62	69	20432	4.092	ug/l	95
48) Ethyl methacrylate	8.02	69	18550	2.095	ug/l	97
49) Toluene	7.63	92	47529	2.097	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	25268	2.078	ug/l	94
51) cis-1,3-Dichloropropene	7.27	75	30260	2.105	ug/l	96
52) 1,1,2-Trichloroethane	8.06	97	16434	2.059	ug/l	94
53) 1,3-Dichloropropane	8.24	76	28087	2.072	ug/l	100
54) 2-Hexanone	8.36	43	47248	10.031	ug/l	96
55) Dibromochloromethane	8.47	129	18928	2.000	ug/l	99
56) 1,2-Dibromoethane	8.59	107	15981	2.154	ug/l	95
58) Tetrachloroethene	8.23	164	20002	2.032	ug/l	95
59) Chlorobenzene	9.12	112	52247	2.076	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.20	131	19746	2.093	ug/l	100
61) Pentachloroethane	11.10	117	15306	2.085	ug/l	94
62) Hexachloroethane	12.14	117	14438	2.035	ug/l	93
63) Ethyl Benzene	9.25	91	85873	2.138	ug/l	97
64) m/p-Xylenes	9.37	106	63885	4.178	ug/l	98
65) o-Xylene	9.77	106	29460	2.013	ug/l	98
66) Styrene	9.79	104	52065	2.064	ug/l	99
67) Bromoform	9.96	173	11658	2.135	ug/l	94
69) Isopropylbenzene	10.16	105	83981	2.141	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.45	83	21333	2.060	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	16433m	2.195	ug/l	
72) Bromobenzene	10.45	156	22181	2.137	ug/l	80
73) n-propylbenzene	10.59	120	23091	2.204	ug/l	92
74) 2-Chlorotoluene	10.66	126	21498	2.225	ug/l	93
75) 1,3,5-Trimethylbenzene	10.77	105	69840	2.103	ug/l	99
76) 4-Chlorotoluene	10.77	126	20864	2.143	ug/l	93
77) tert-Butylbenzene	11.10	119	69188	2.130	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	71321	2.131	ug/l	100
79) sec-Butylbenzene	11.32	105	94780	2.168	ug/l	99
80) Nitrobenzene	12.87	77	2143m	9.552	ug/l	
81) p-Isopropyltoluene	11.47	119	76562	2.181	ug/l	98
82) 1,3-Dichlorobenzene	11.41	146	47015	2.293	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	41680	2.099	ug/l	98
84) n-Butylbenzene	11.89	91	75022	2.211	ug/l	96
85) 1,2-Dichlorobenzene	11.88	146	41185	2.142	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	3503	2.351	ug/l	91
87) 1,2,4-Trichlorobenzene	13.50	180	22963	1.954	ug/l	95
88) Hexachlorobutadiene	13.69	225	18674	2.379	ug/l	99
89) Naphthalene	13.74	128	37410	1.985	ug/l	98
90) 1,2,3-Trichlorobenzene	13.98	180	26580	2.259	ug/l	95

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

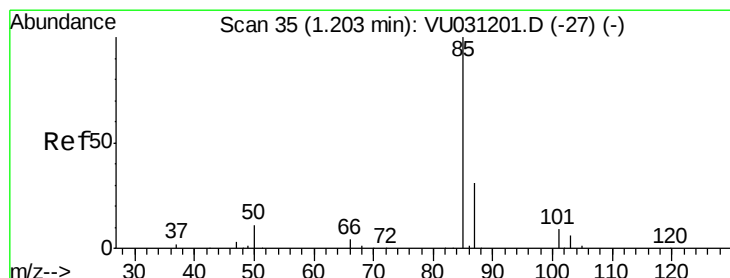
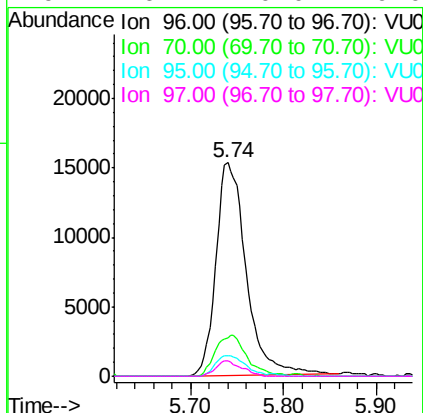
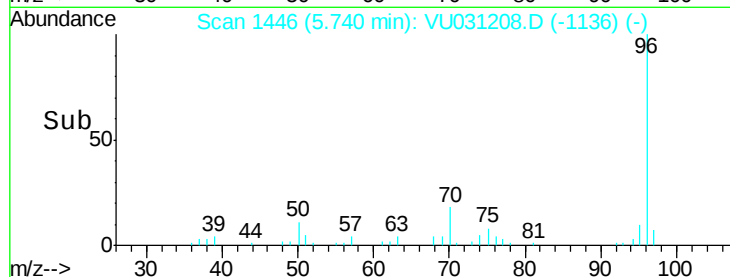
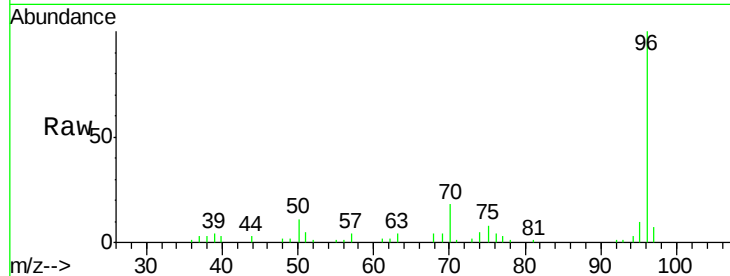
VU0416WBS01

Tot Ion: 96 Resp: 34811

Ion	Ratio	Lower	Upper
96	100		
70	20.0	18.4	27.6
95	8.7	7.6	11.4
97	6.2	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 1.989 ug/l

RT: 1.20 min Scan# 35

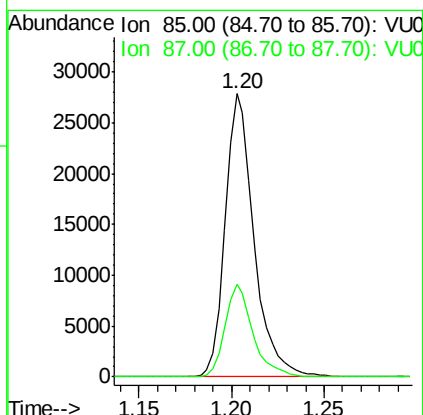
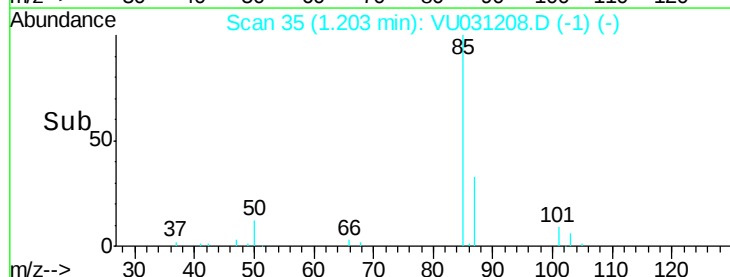
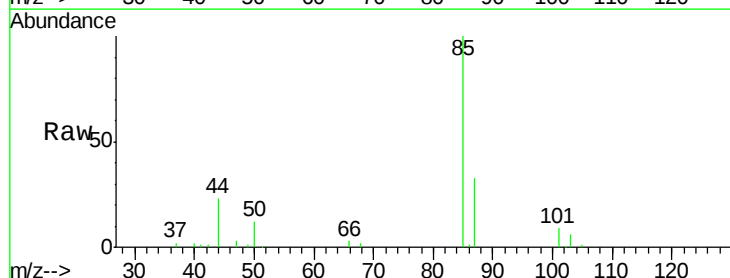
Delta R.T. 0.00 min

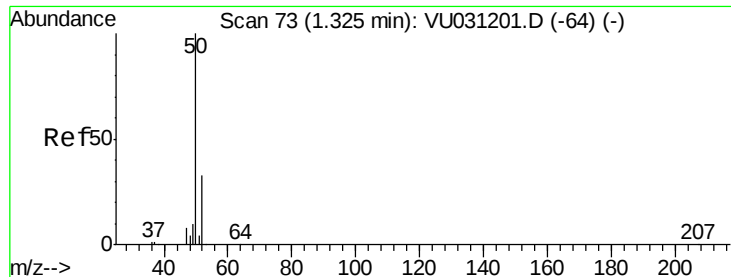
Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Tgt Ion: 85 Resp: 29941

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.8	47.3





#3

Chloromethane

Concen: 2.009 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VU0416WBS01

Tot Ion: 50 Resp: 31915

Ion Ratio Lower Upper

50 100

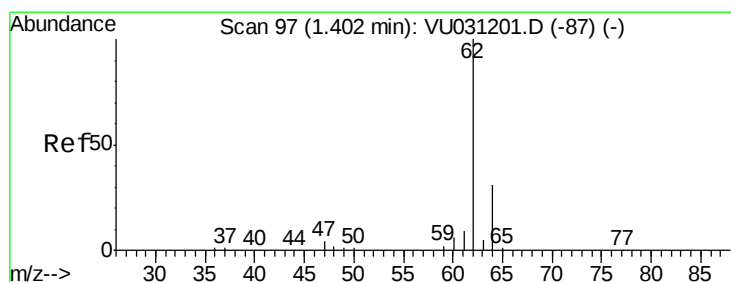
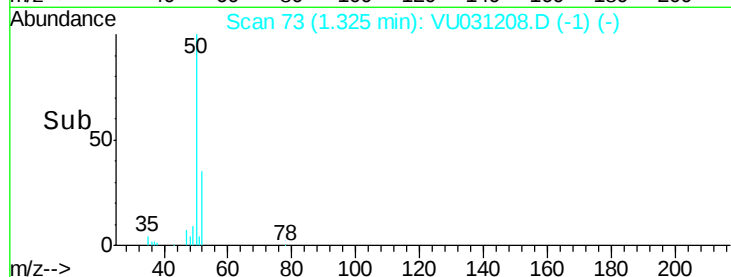
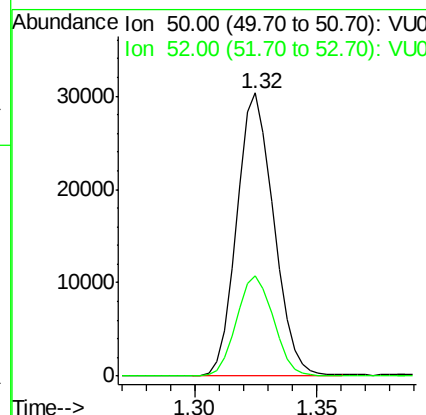
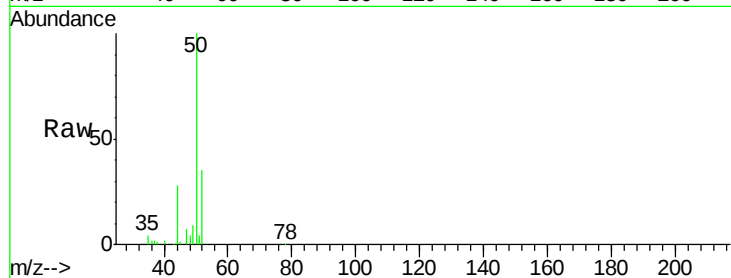
52 35.2 26.2 39.2

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#4

Vinyl Chloride

Concen: 2.010 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031208.D

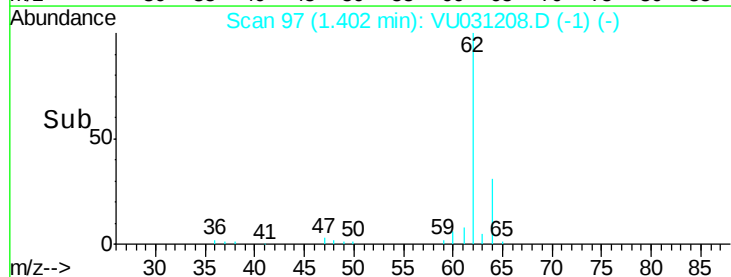
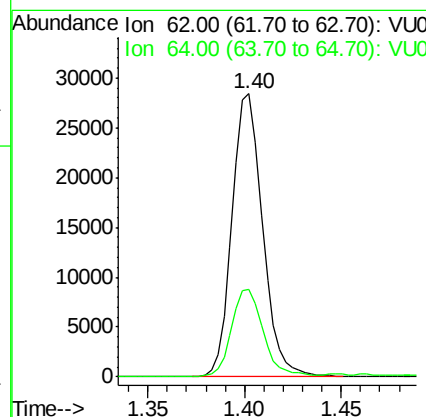
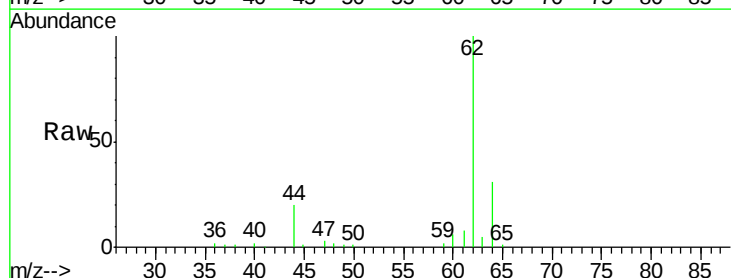
Acq: 16 Apr 2019 12:12

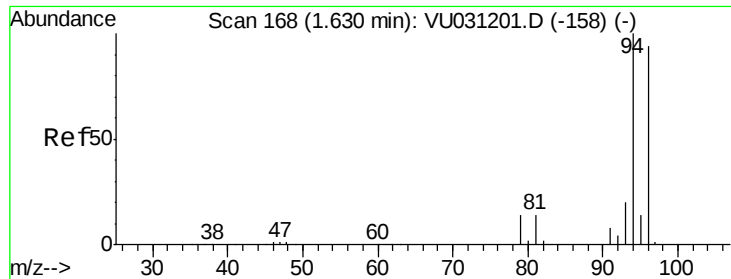
Tgt Ion: 62 Resp: 31193

Ion Ratio Lower Upper

62 100

64 31.1 25.0 37.6





#5

Bromomethane

Concen: 2.881 ug/l

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VU0416WBS01

Tot Ion: 94 Resp: 26198

Ion Ratio Lower Upper

94 100

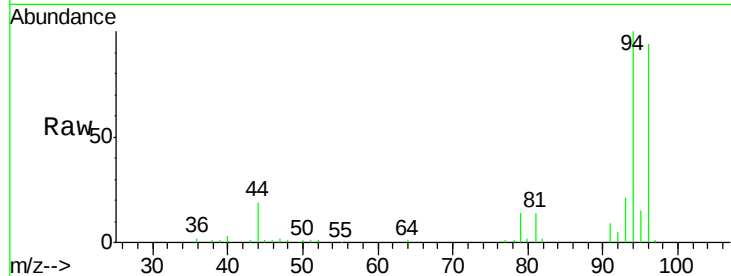
96 94.0 75.0 112.6

Manual Integrations

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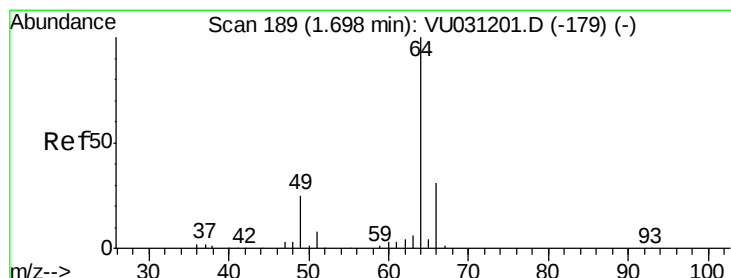
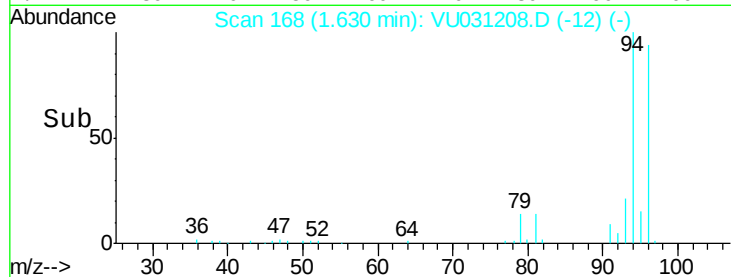
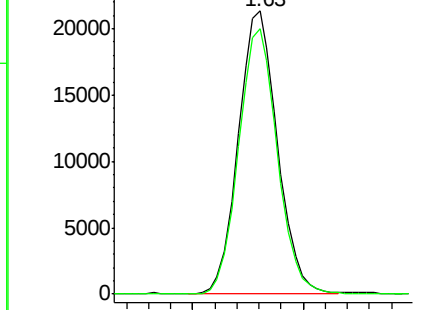
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Abundance Ion 94.00 (93.70 to 94.70): VU031201.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU031201.D (-158) (-)



#6

Chloroethane

Concen: 1.985 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031208.D

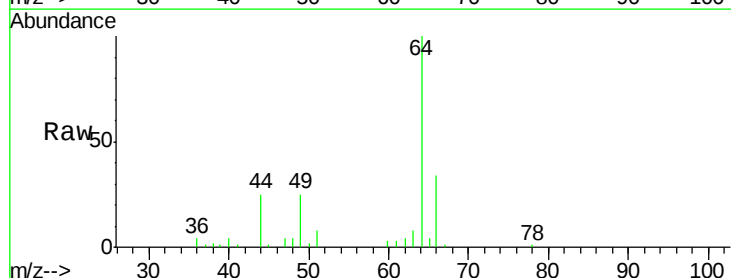
Acq: 16 Apr 2019 12:12

Tgt Ion: 64 Resp: 21267

Ion Ratio Lower Upper

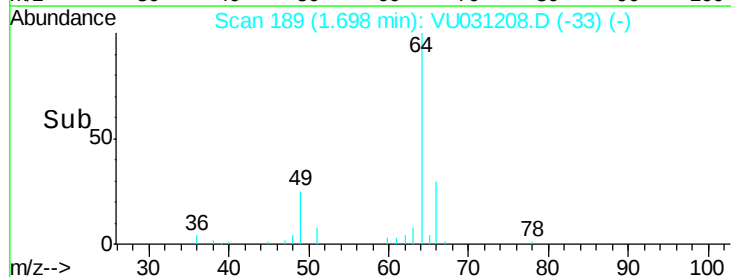
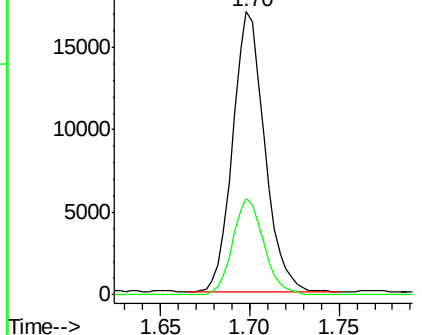
64 100

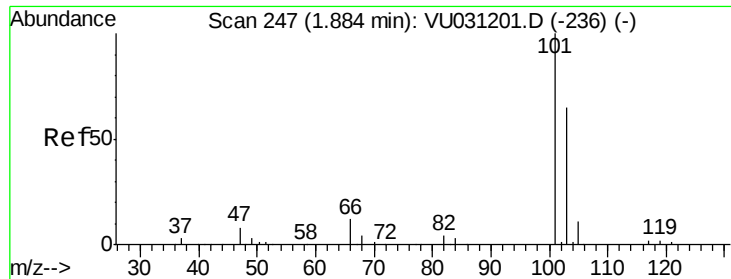
66 34.2 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU031201.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU031201.D (-179) (-)





#7

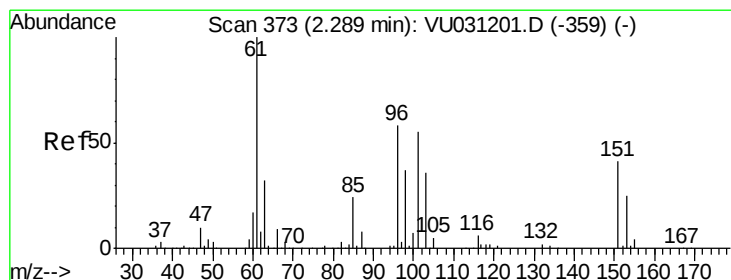
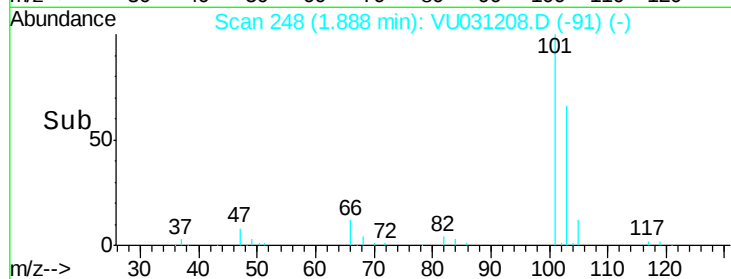
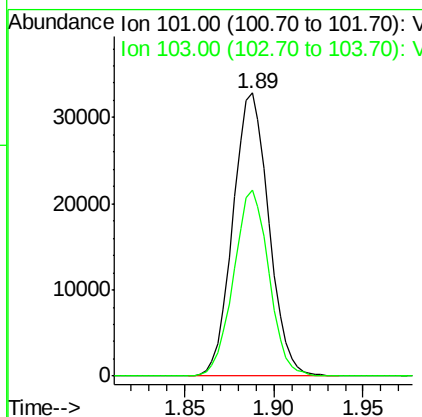
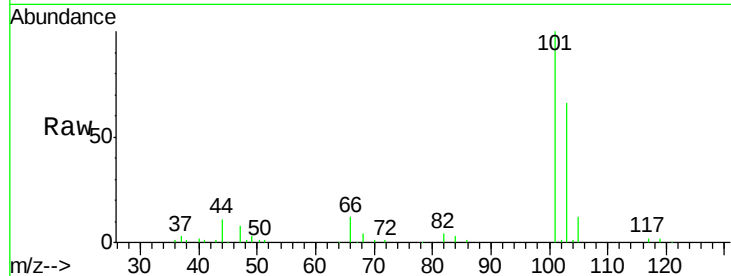
Trichlorofluoromethane
 Concen: 2.041 ug/l
 RT: 1.89 min Scan# 248
 Delta R.T. 0.00 min
 Lab File: VU031208.D
 Acq: 16 Apr 2019 12:12

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 VU0416WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.8	77.8

Manual Integrations
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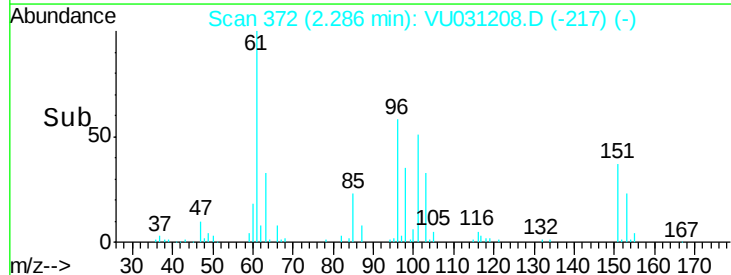
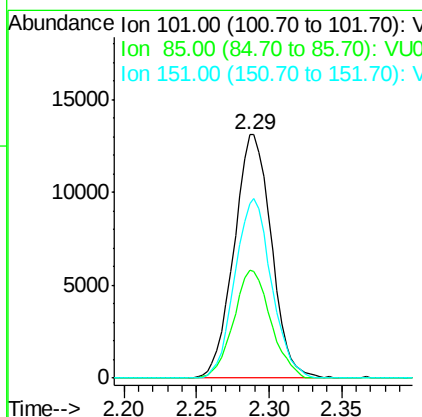
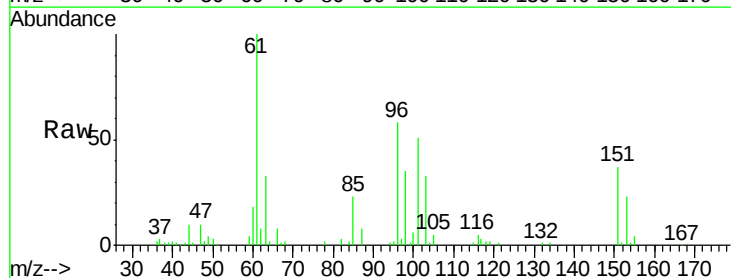
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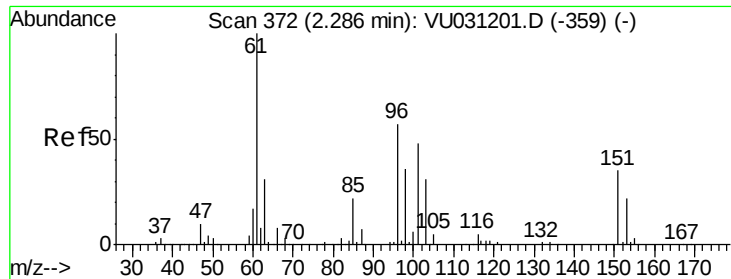


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.086 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VU031208.D
 Acq: 16 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
101	100		
85	43.9	36.1	54.1
151	72.0	58.2	87.2





#9

1,1-Dichloroethene

Concen: 2.107 ug/l

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_U

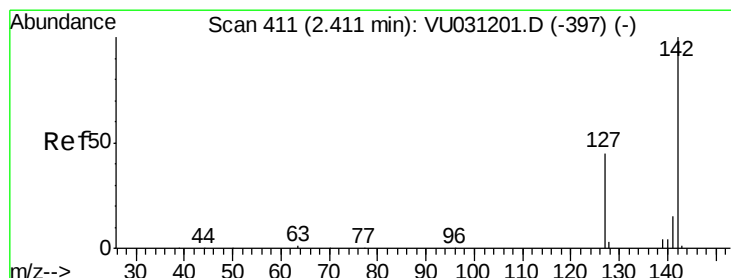
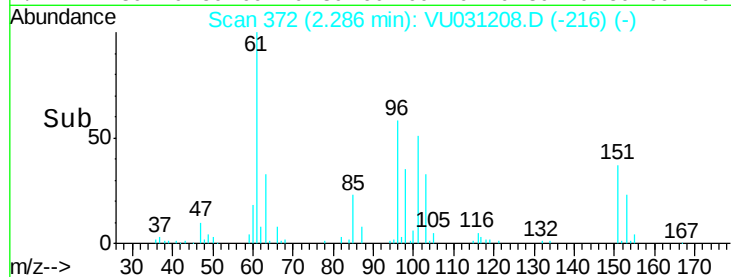
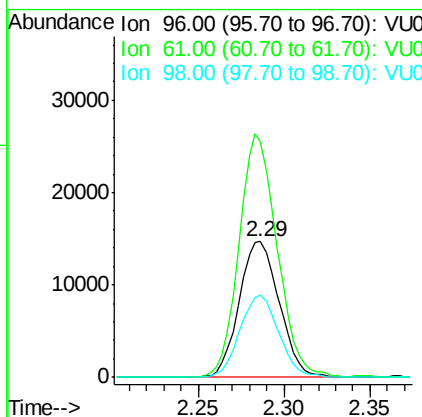
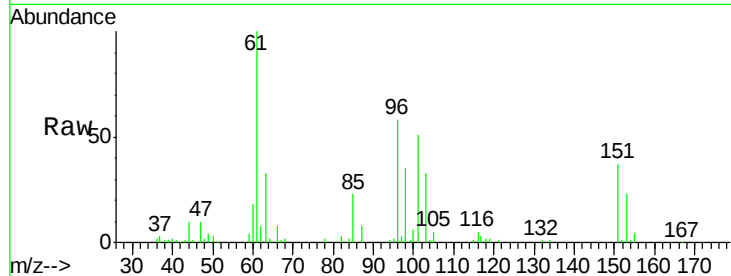
ClientSampleId :

VU0416WBS01

Tot Ion:	96	Resp:	23718
Ion Ratio	Lower	Upper	
96	100		
61	173.4	0.0	527.7
98	61.0	0.0	127.6

Manual Integrations
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4/17/2019 9:15:16 AM



#10

Iodomethane

Concen: 1.312 ug/l

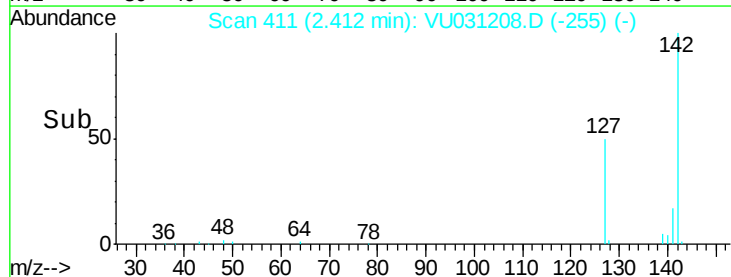
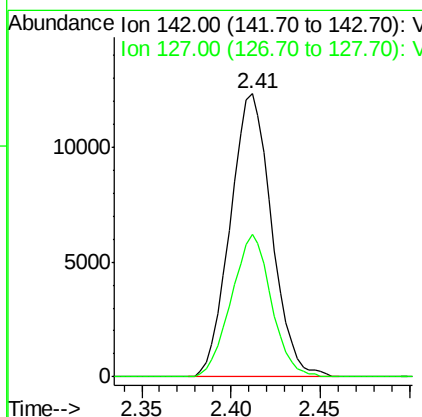
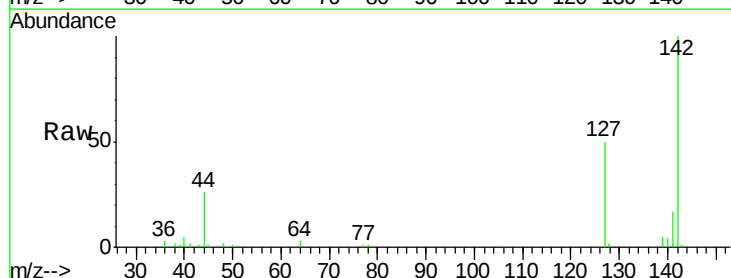
RT: 2.41 min Scan# 411

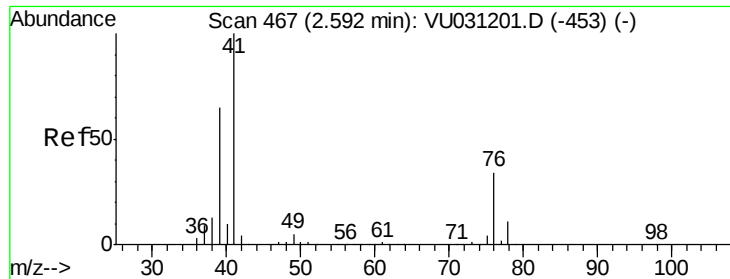
Delta R.T. 0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Tgt Ion:	142	Resp:	19947
Ion Ratio	Lower	Upper	
142	100		
127	48.6	35.9	53.9





#11

Allvl Chloride

Concen: 2.065 ug/l

RT: 2.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VU0416WBS01

Tot Ion: 41 Resp: 45610

Ion Ratio Lower Upper

41 100

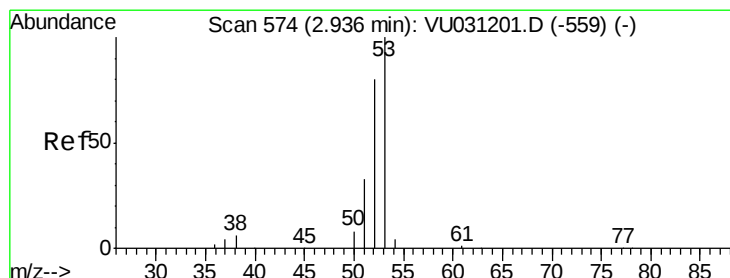
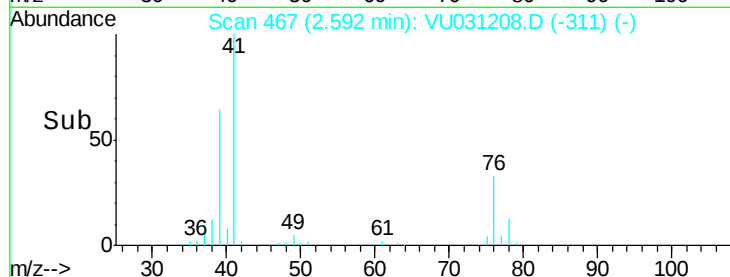
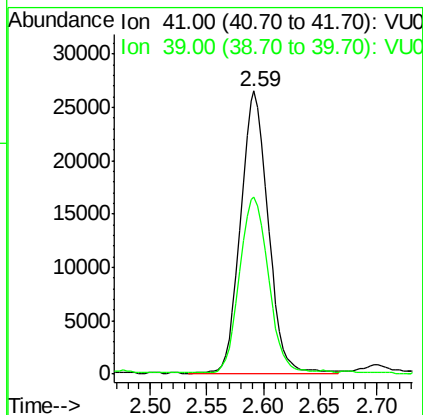
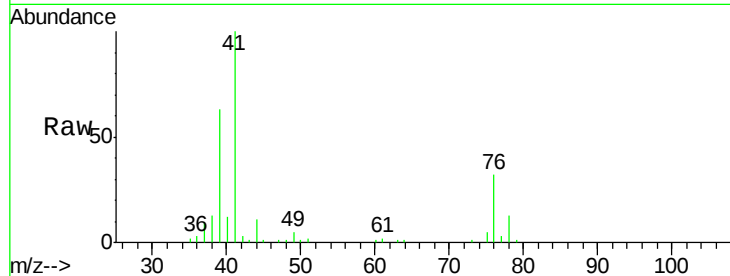
39 63.9 51.9 77.9

Manual Integrations

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#12

Acrylonitrile

Concen: 4.437 ug/l

RT: 2.94 min Scan# 574

Delta R.T. 0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

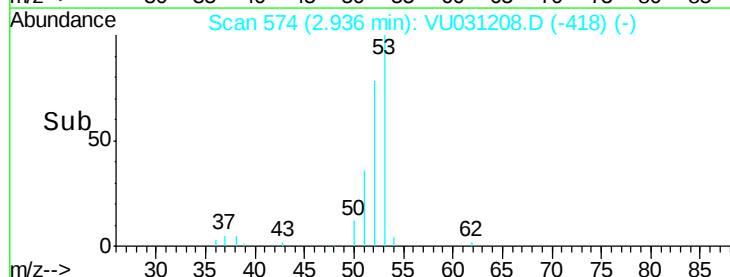
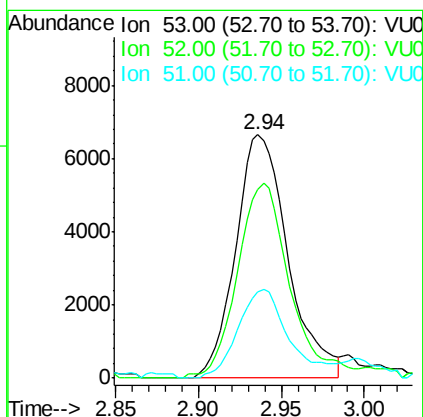
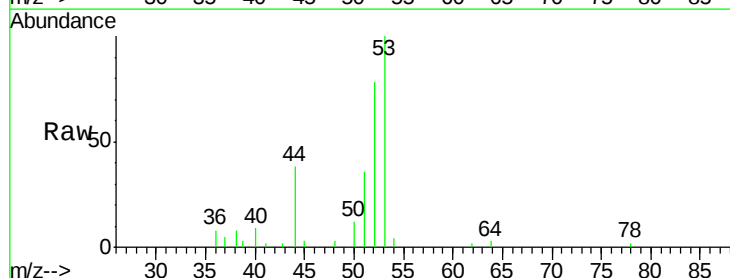
Tgt Ion: 53 Resp: 14609

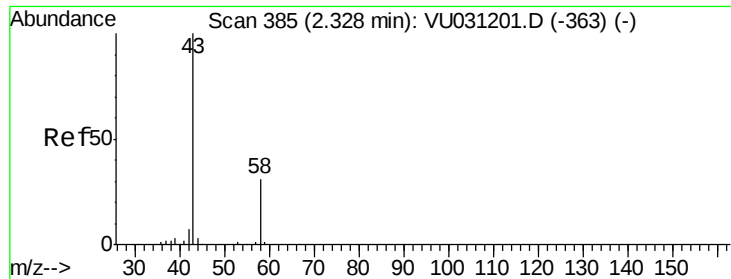
Ion Ratio Lower Upper

53 100

52 80.2 67.8 101.8

51 35.2 26.9 40.3





#13

Acetone

Concen: 10.720 ug/l

RT: 2.32 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VU0416WBS01

Tot Ion: 43 Resp: 28971

Ion Ratio Lower Upper

43 100

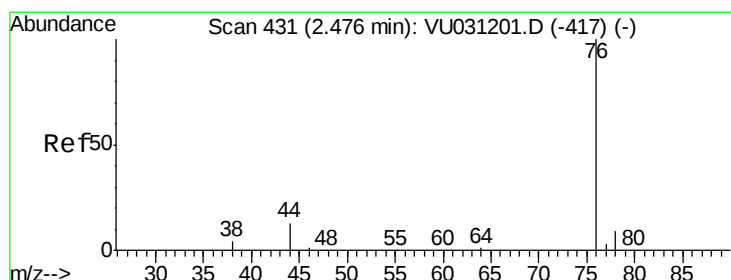
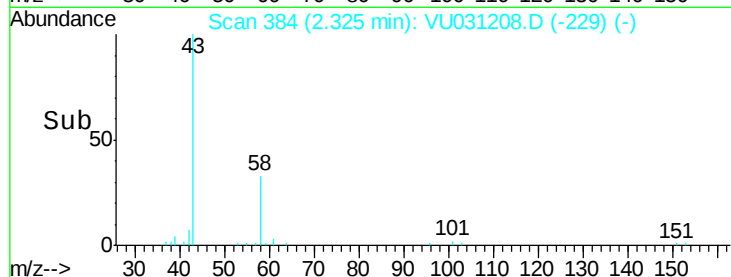
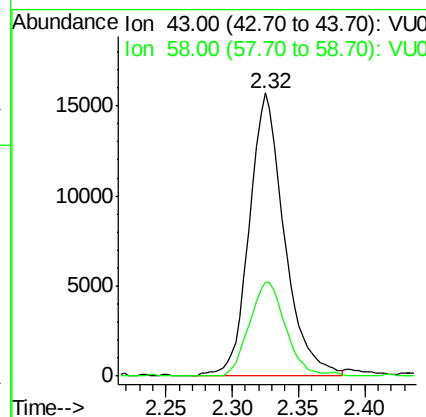
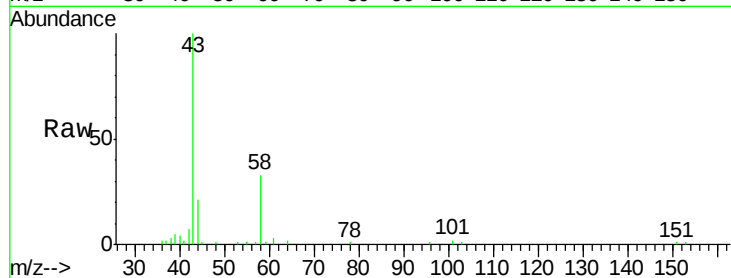
58 33.3 24.7 37.1

Manual Integrations

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MMDadoda

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#14

Carbon Disulfide

Concen: 2.101 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU031208.D

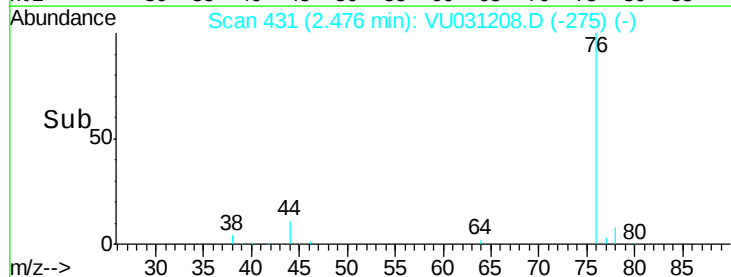
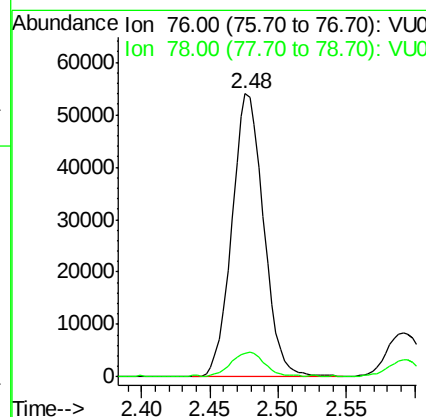
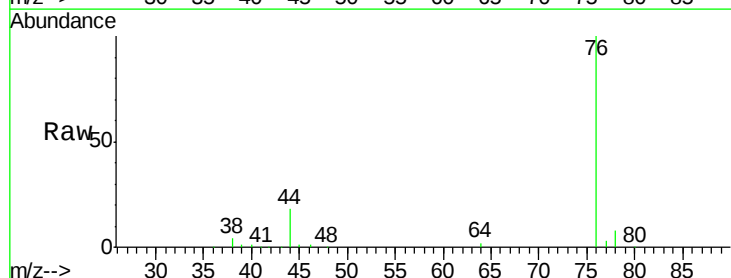
Acq: 16 Apr 2019 12:12

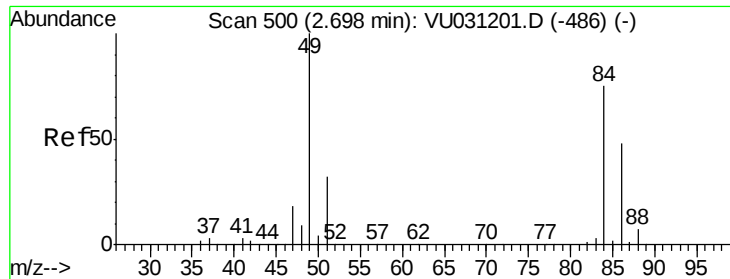
Tgt Ion: 76 Resp: 87330

Ion Ratio Lower Upper

76 100

78 7.9 7.2 10.8





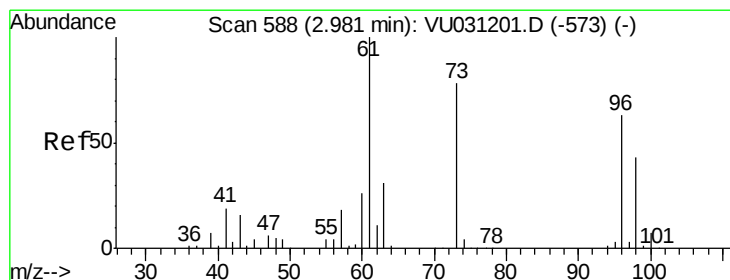
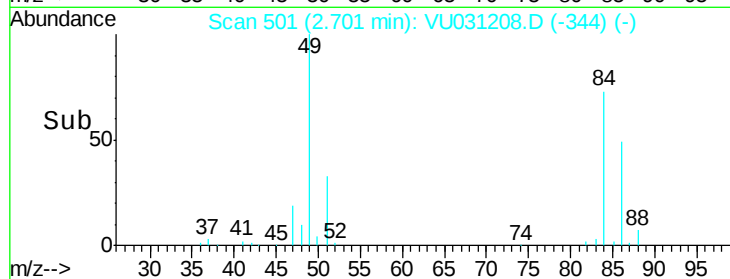
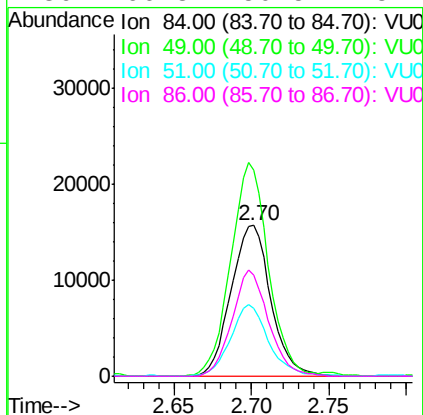
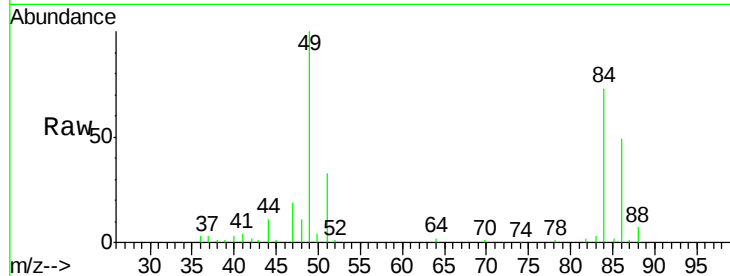
#15
Methvlene Chloride
Concen: 1.936 ug/l
RT: 2.70 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Instrument :
MSVOA_U
ClientSampleId :
VU0416WBS01

Tot Ion:	84	Resp:	28092
Ion	Ratio	Lower	Upper
84	100		
49	136.5	106.1	159.1
51	45.4	0.0	84.2
86	66.8	50.5	75.7

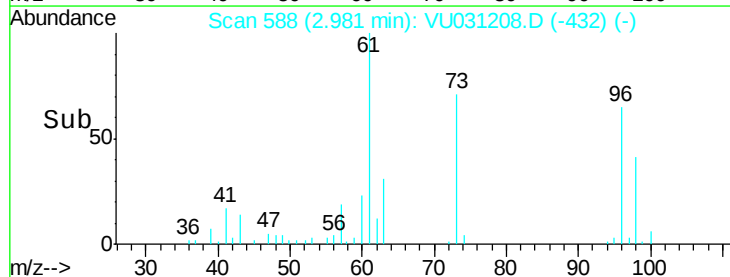
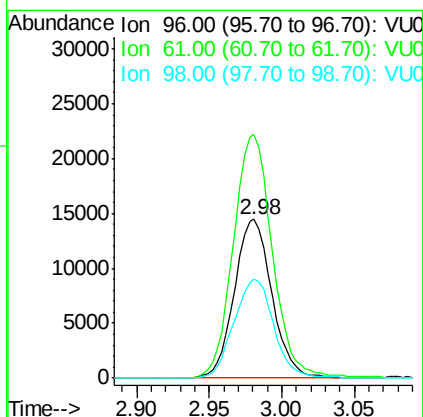
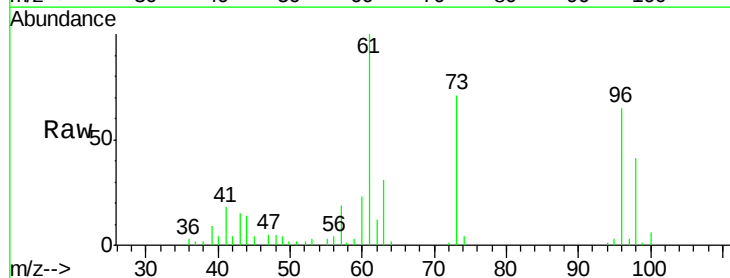
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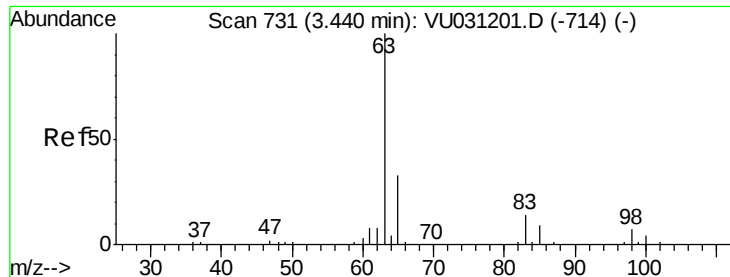
MMDadoda
4/17/2019 9:15:16 AM



#16
trans-1,2-Dichloroethene
Concen: 2.098 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Tgt Ion:	96	Resp:	26064
Ion	Ratio	Lower	Upper
96	100		
61	153.2	126.6	189.8
98	62.2	53.9	80.9





#17

1,1-Dichloroethane

Concen: 2.177 ug/l

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_U

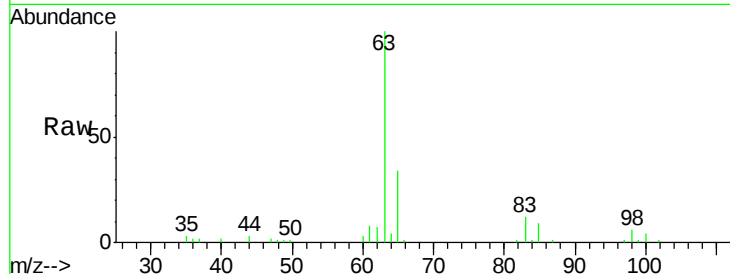
ClientSampleId :

VU0416WBS01

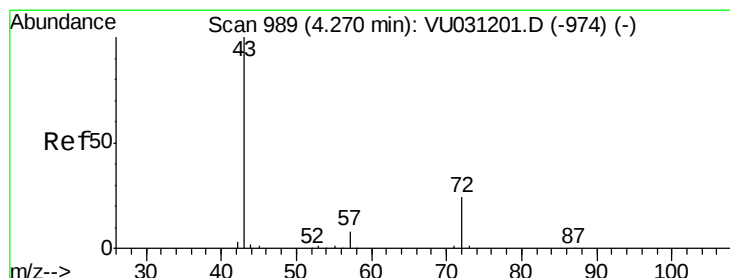
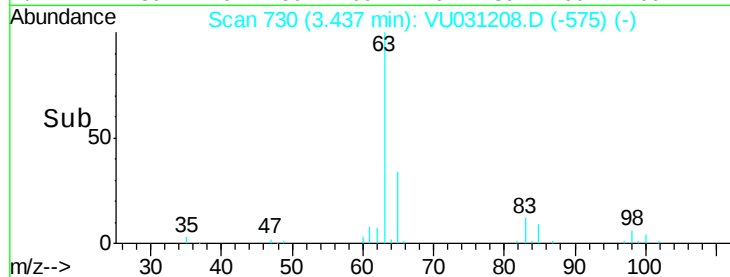
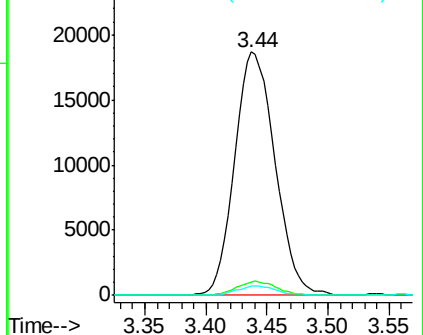
Tot Ion:	63	Resp:	42833
Ion Ratio	Lower	Upper	
63	100		
98	5.6	3.3	9.8
100	3.6	2.0	5.8

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Abundance Ion 63.00 (62.70 to 63.70): VU031208.D (-575) (-)



#18

2-Butanone

Concen: 10.335 ug/l

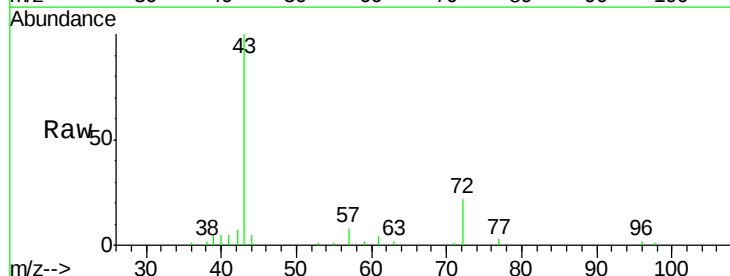
RT: 4.28 min Scan# 991

Delta R.T. 0.01 min

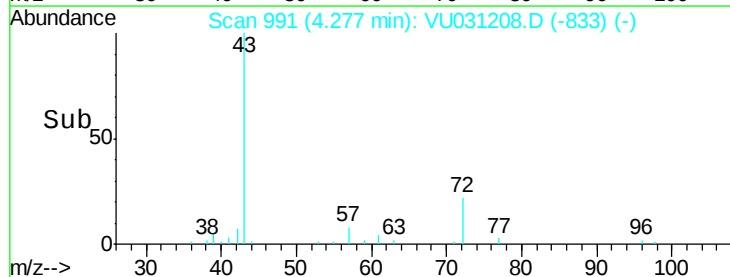
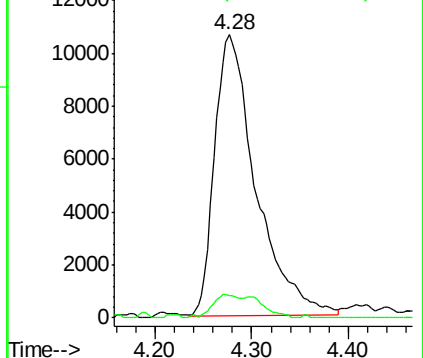
Lab File: VU031208.D

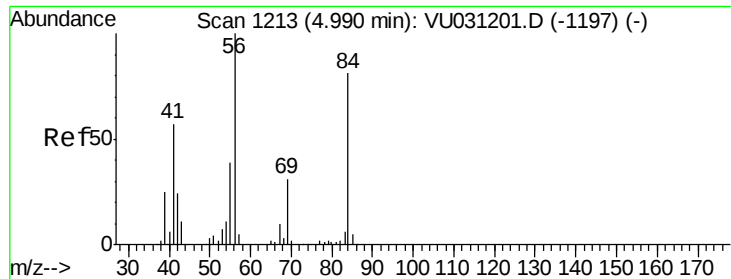
Acq: 16 Apr 2019 12:12

Tgt Ion:	43	Resp:	31625
Ion Ratio	Lower	Upper	
43	100		
57	8.1	0.0	16.2



Abundance Ion 43.00 (42.70 to 43.70): VU031208.D (-833) (-)





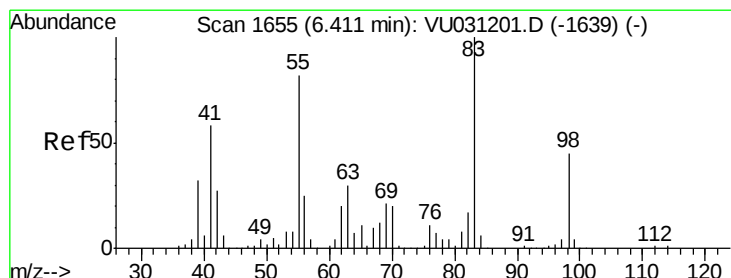
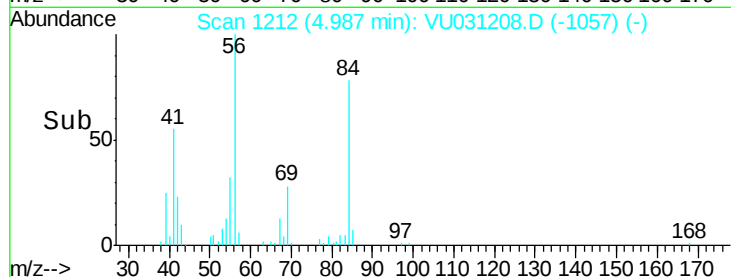
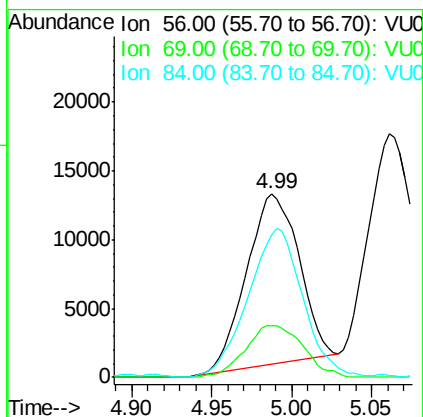
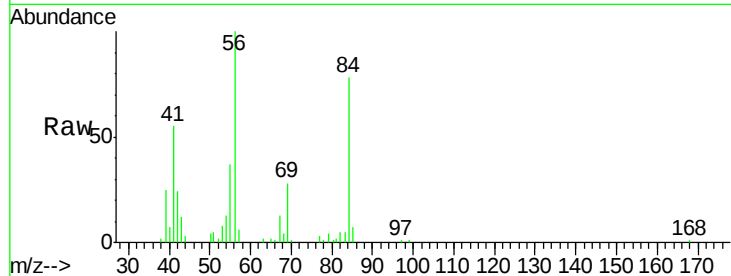
#19
Cyclohexane
Concen: 2.020 ug/l
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Instrument :
MSVOA_U
ClientSampleId :
VU0416WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	28.3	42.5
84	89.6	75.2	112.8

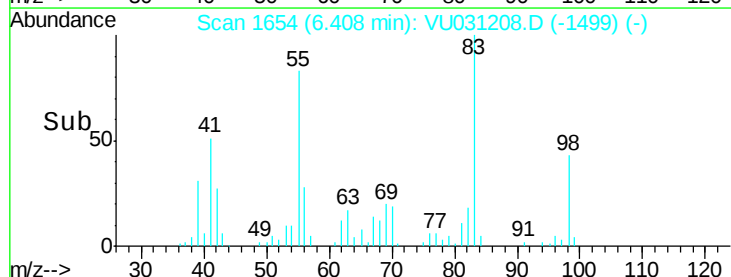
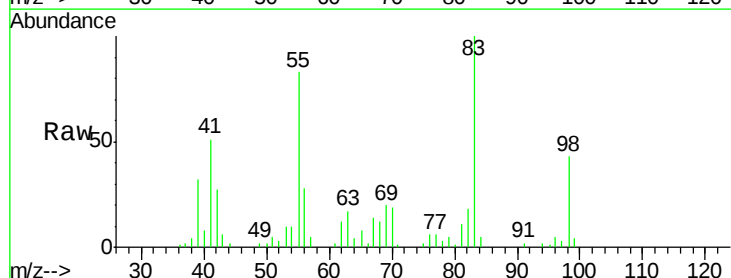
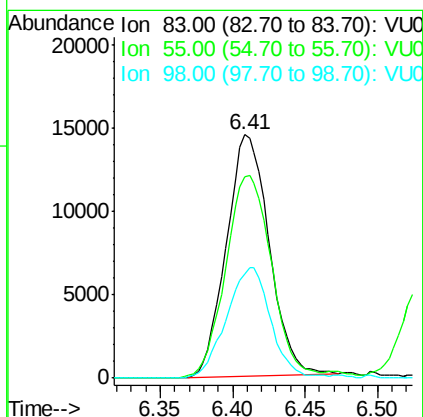
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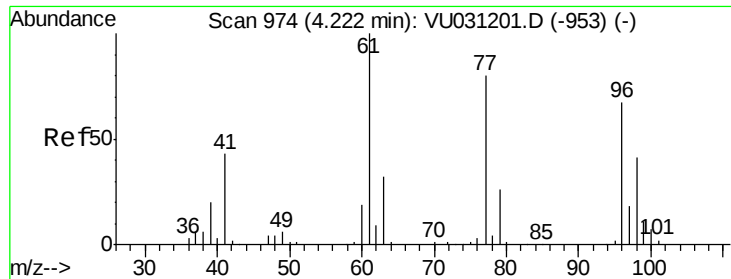
MMDadoda
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#20
Methylcyclohexane
Concen: 2.118 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
83	100		
55	86.4	68.2	102.2
98	45.9	35.8	53.8





#21

2,2-Dichloropropane

Concen: 2.073 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VU0416WBS01

Tot Ion: 77 Resp: 31609

Ion Ratio Lower Upper

77 100

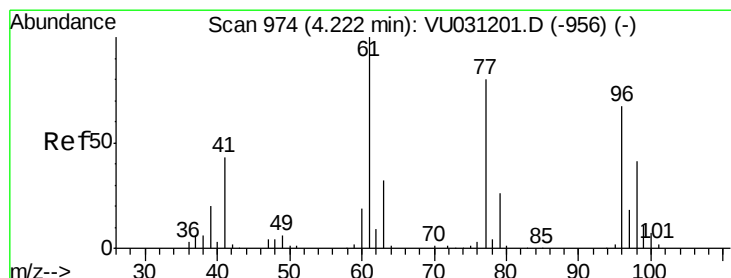
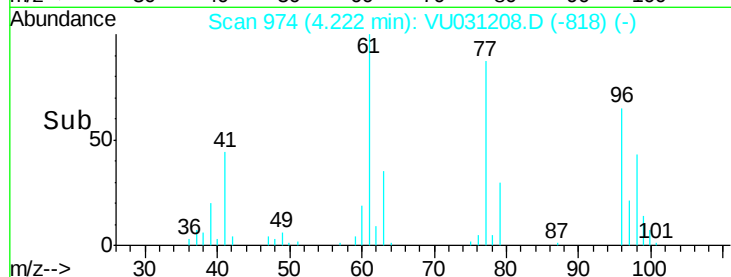
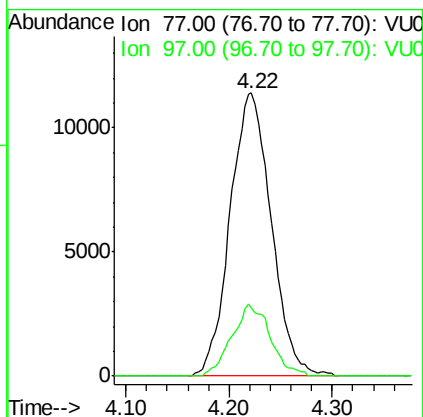
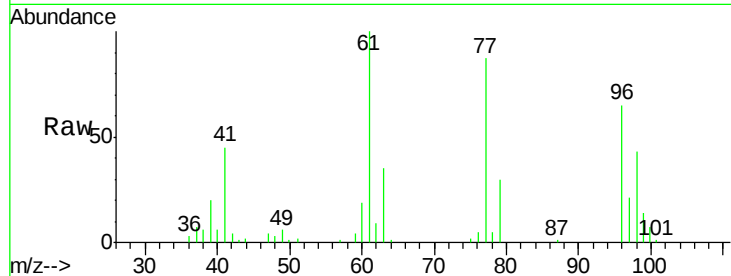
97 23.7 18.2 27.2

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#22

cis-1,2-Dichloroethene

Concen: 2.028 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

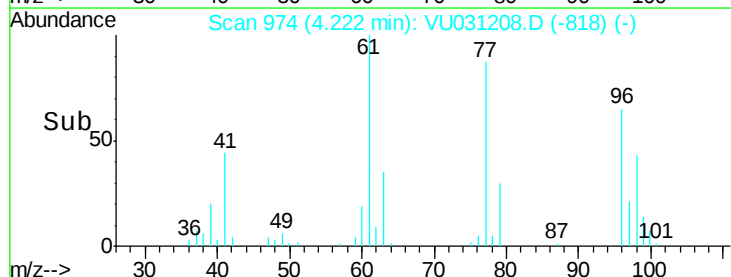
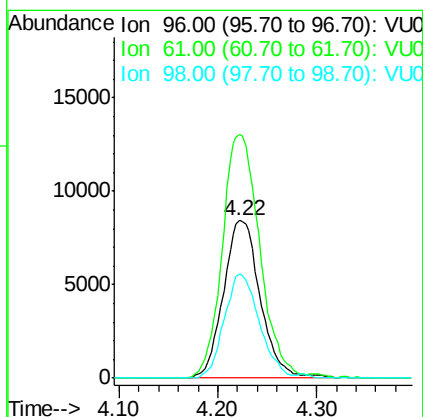
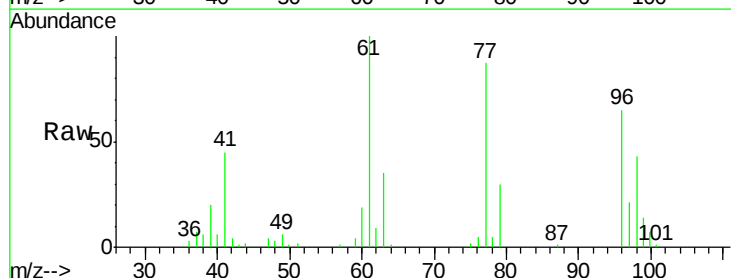
Tgt Ion: 96 Resp: 21959

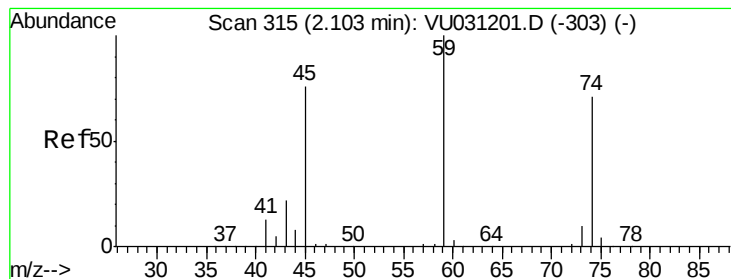
Ion Ratio Lower Upper

96 100

61 156.7 0.0 380.0

98 62.8 32.3 96.9





#23

Diethyl Ether

Concen: 2.088 ug/l

RT: 2.10 min Scan# 315

Delta R.T. 0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_U

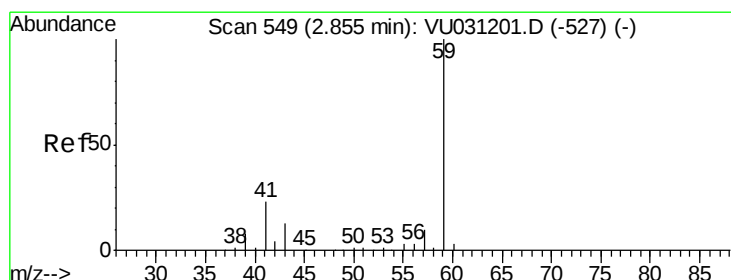
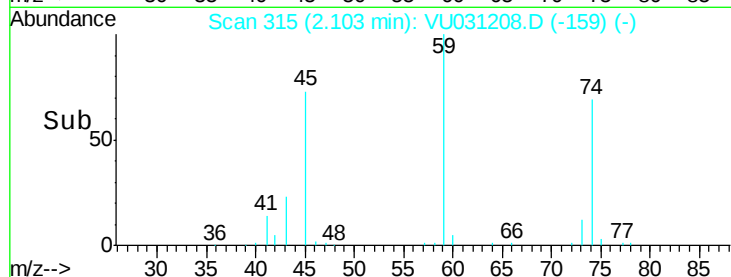
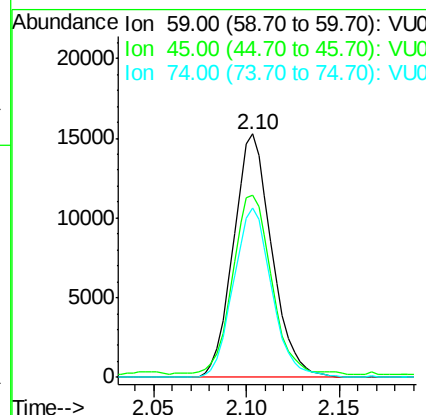
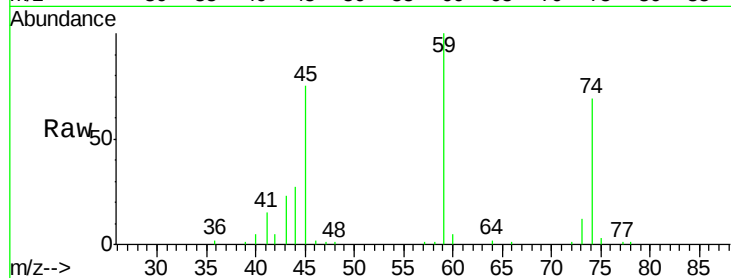
ClientSampleId :

VU0416WBS01

Tot Ion:	59	Resp:	21919
Ion	Ratio	Lower	Upper
59	100		
45	72.9	61.8	92.6
74	69.4	55.8	83.8

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#24

tert-Butyl Alcohol

Concen: 19.774 ug/l

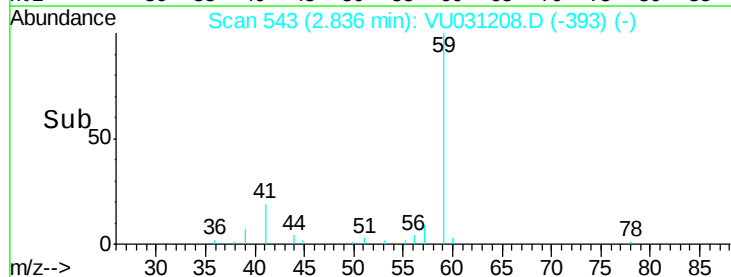
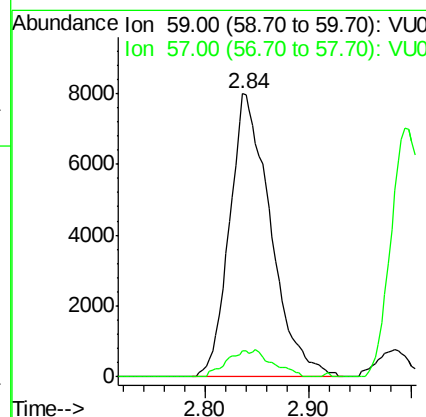
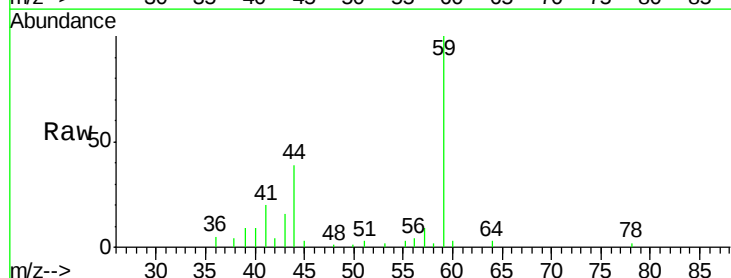
RT: 2.84 min Scan# 543

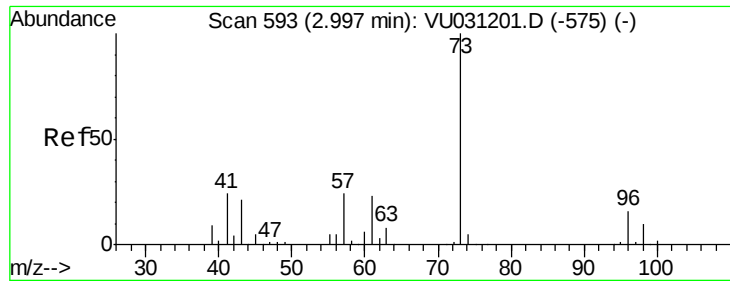
Delta R.T. -0.02 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Tgt Ion:	59	Resp:	22108
Ion	Ratio	Lower	Upper
59	100		
57	5.3	8.4	12.6





#25

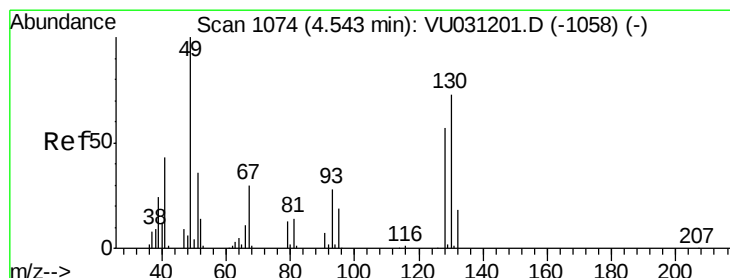
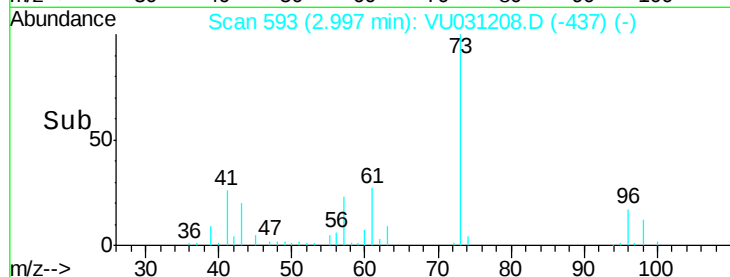
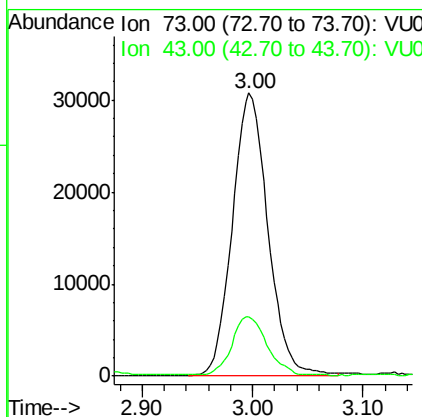
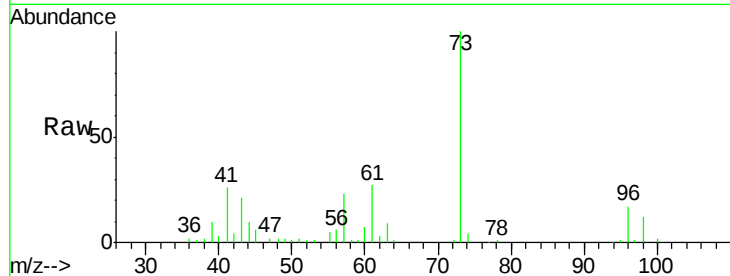
Methyl tert-Butyl Ether
Concen: 2.104 ug/l
RT: 3.00 min Scan# 593
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Instrument :
MSVOA_U
ClientSampleId :
VU0416WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
43	19.9	16.2	24.4

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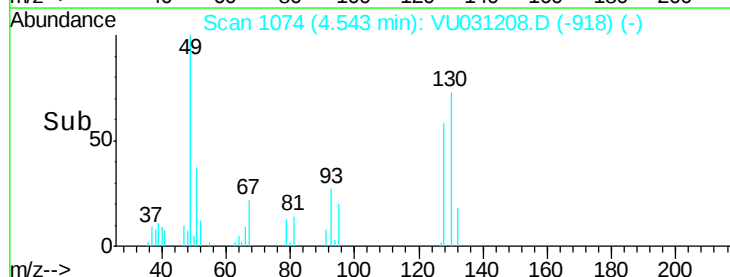
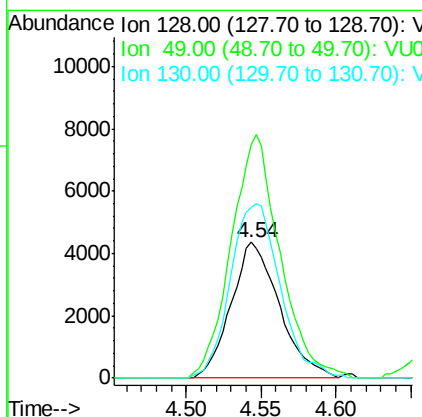
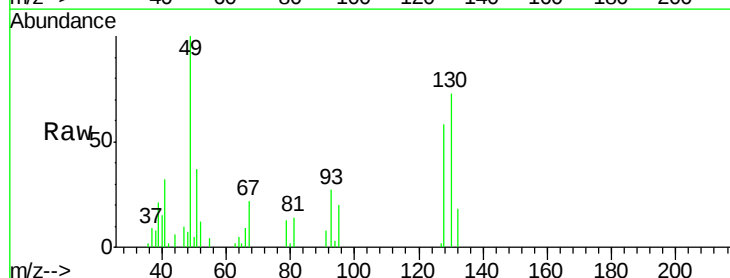
MMDadoda
4/17/2019 9:15:16 AM

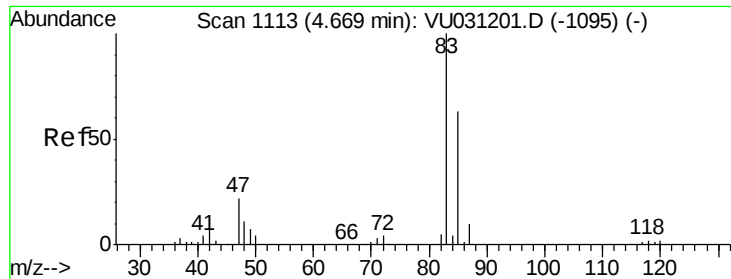


#26

Bromochloromethane
Concen: 1.990 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
128	100		
49	179.8	0.0	345.8
130	132.3	103.4	155.2





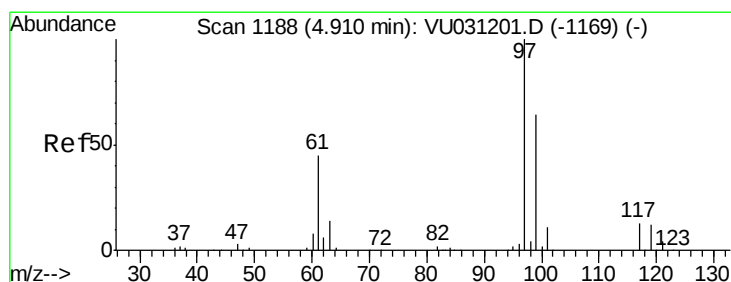
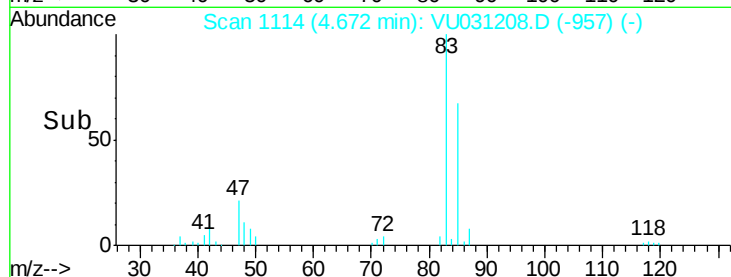
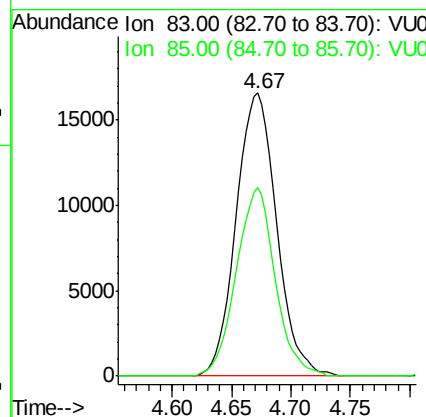
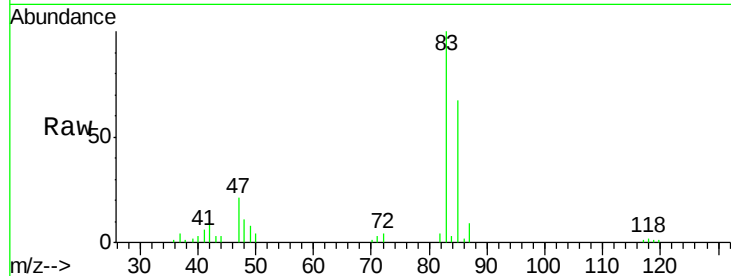
#27
Chloroform
Concen: 2.010 ug/l
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Instrument :
MSVOA_U
ClientSampleId :
VU0416WBS01

Tot Ion	83	Resp	39116
Ion Ratio	100	Lower	Upper
85	66.6	0.0	126.6

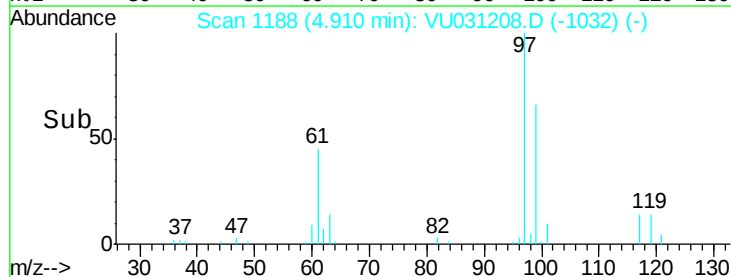
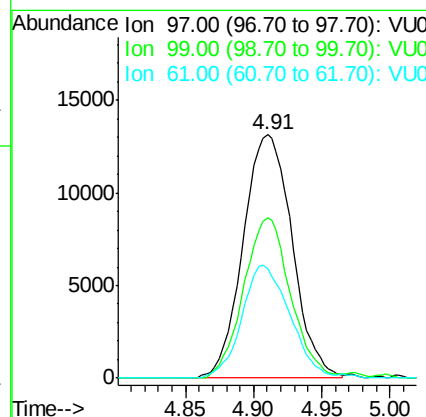
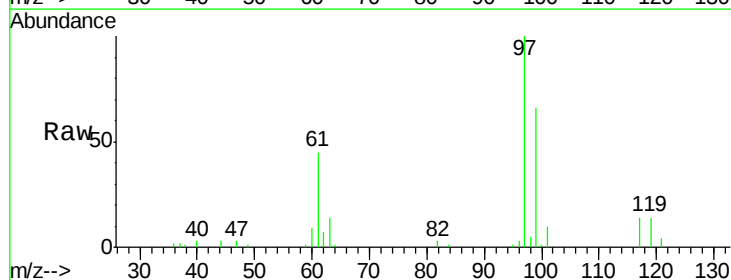
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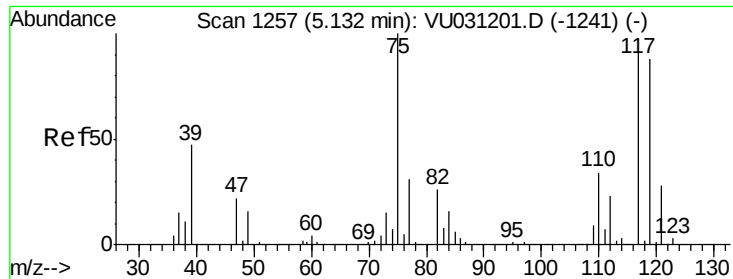
MMDadoda
4/17/2019 9:15:16 AM



#28
1,1,1-Trichloroethane
Concen: 1.984 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Tgt Ion	97	Resp	32828
Ion Ratio	100	Lower	Upper
99	63.0	32.0	96.0
61	45.1	22.2	66.6





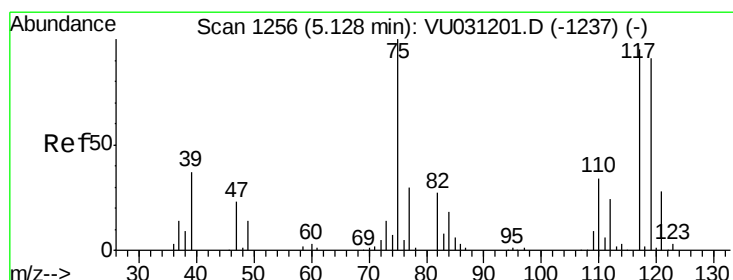
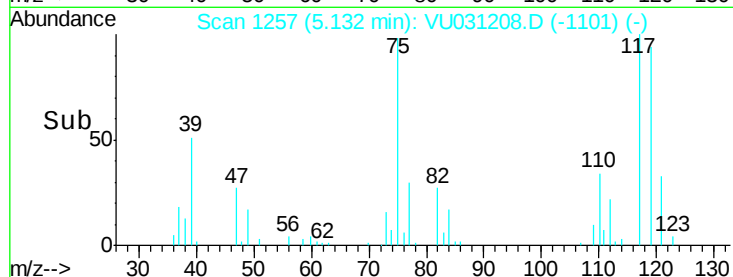
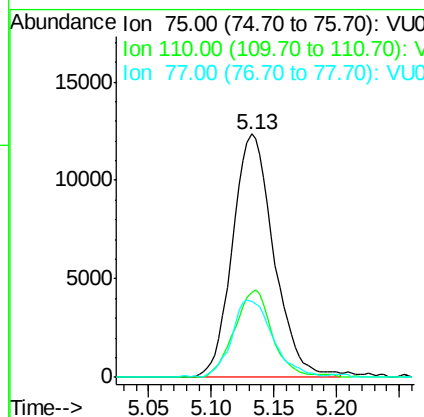
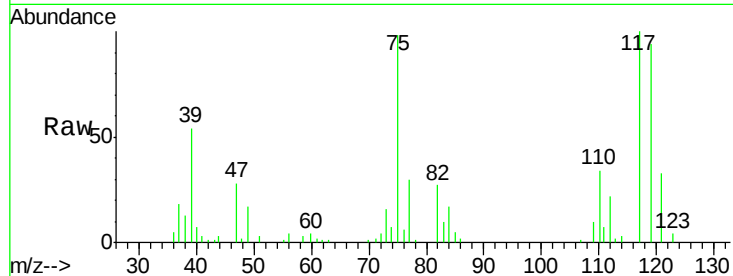
#29
 1,1-Dichloropropene
 Concen: 2.040 ug/l
 RT: 5.13 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VU031208.D
 Acq: 16 Apr 2019 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0416WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.7	17.2	51.5
77	31.6	24.9	37.3

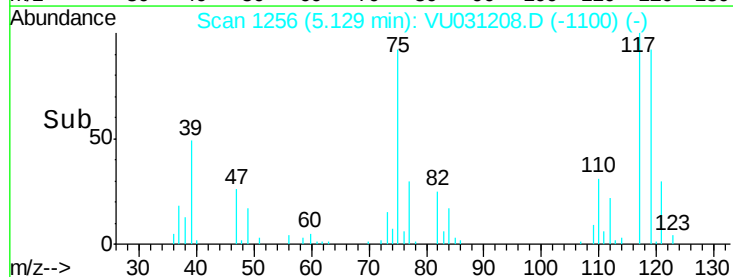
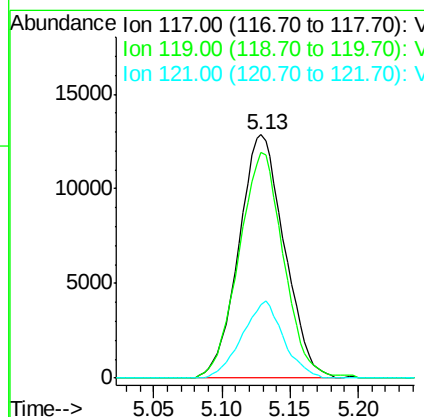
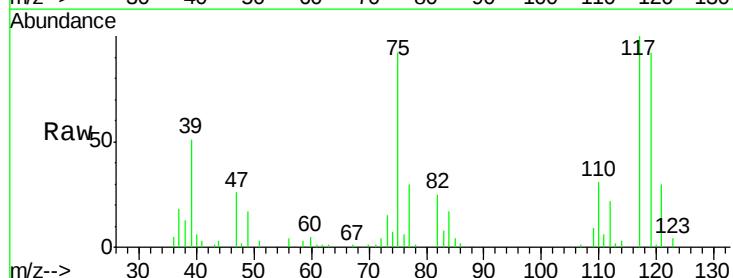
Manual Integrations
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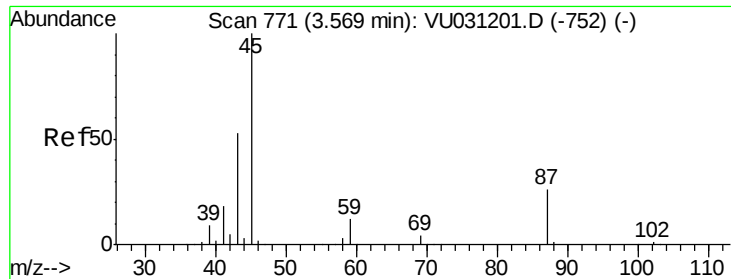
MMDadoda
 4/17/2019 9:15:16 AM



#30
 Carbon Tetrachloride
 Concen: 2.040 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU031208.D
 Acq: 16 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	76.2	114.4
121	30.4	23.8	35.8





#31

Isopropyl Ether

Concen: 1.988 ug/l

RT: 3.57 min Scan# 772

Delta R.T. 0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VU0416WBS01

Tot Ion: 45 Resp: 57360

Ion Ratio Lower Upper

45 100

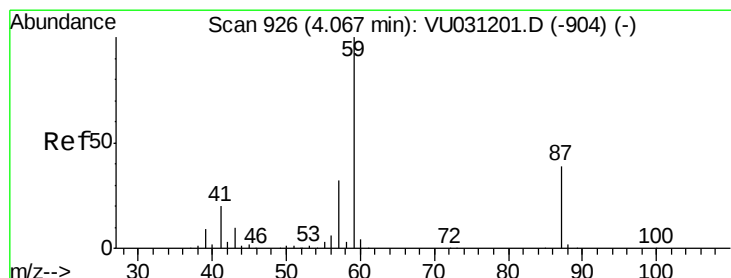
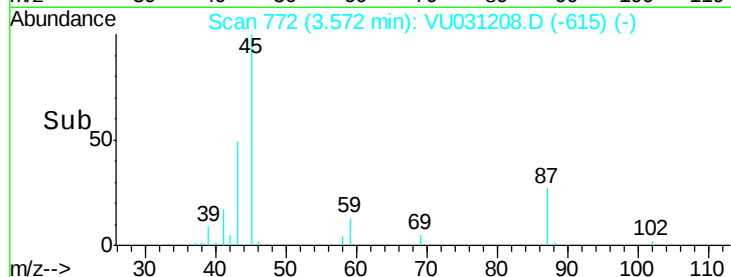
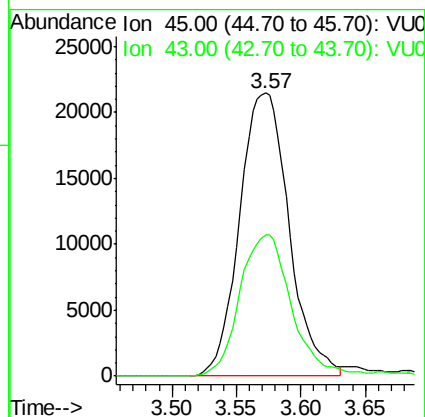
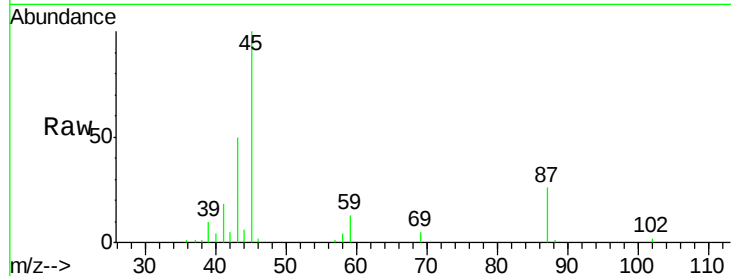
43 51.6 26.4 79.2

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 1.910 ug/l

RT: 4.07 min Scan# 926

Delta R.T. 0.00 min

Lab File: VU031208.D

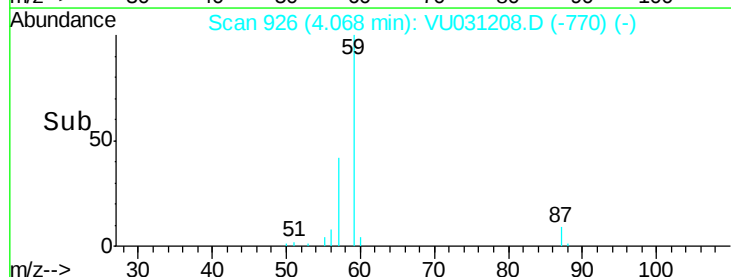
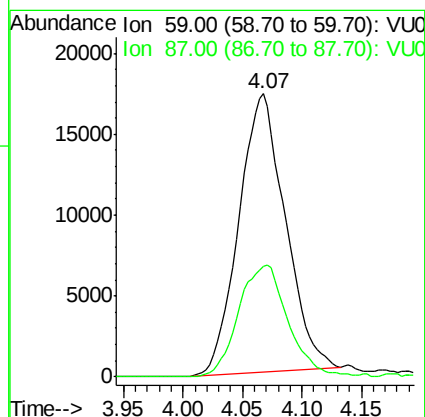
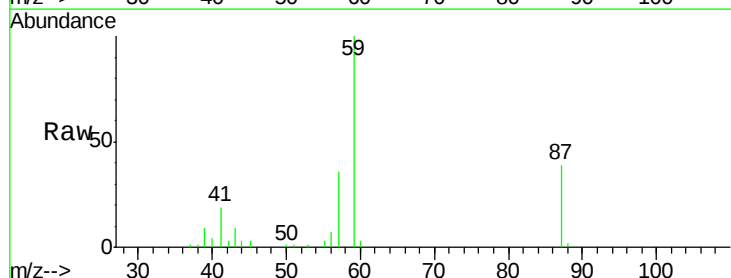
Acq: 16 Apr 2019 12:12

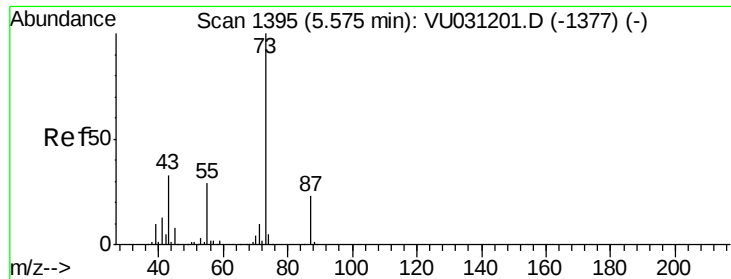
Tgt Ion: 59 Resp: 46732

Ion Ratio Lower Upper

59 100

87 41.7 32.2 48.2





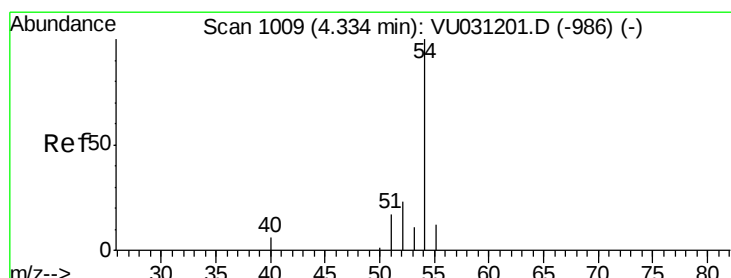
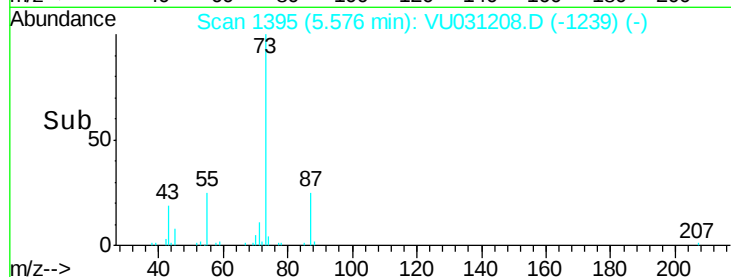
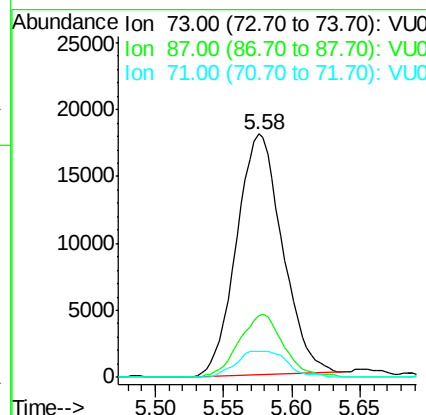
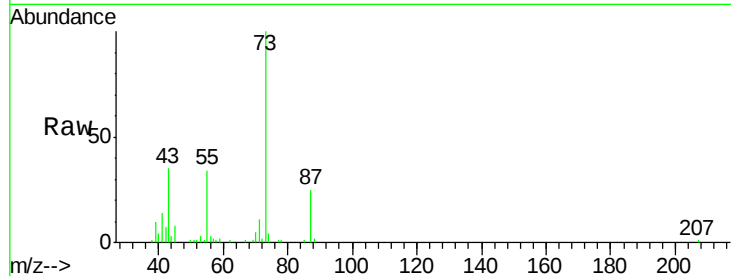
#33
Tert-Butyl methyl ether
Concen: 1.968 ug/l
RT: 5.58 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Instrument :
MSVOA_U
ClientSampleId :
VU0416WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
87	25.3	18.4	27.6
71	12.0	8.8	13.2

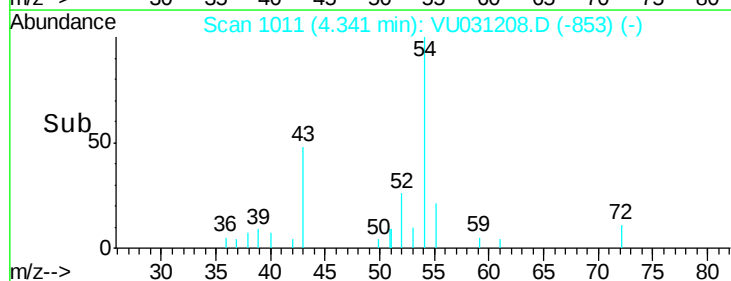
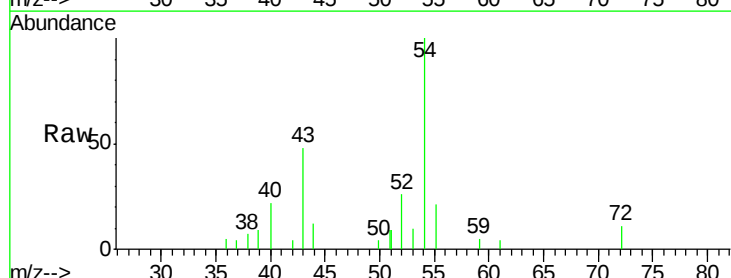
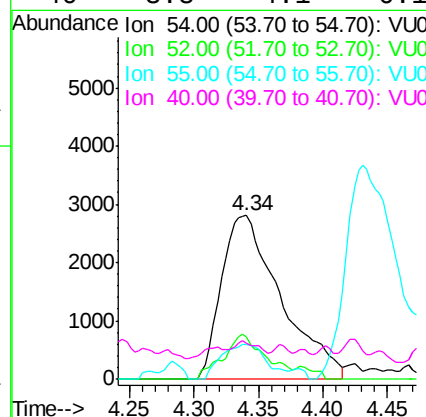
Manual Integrations
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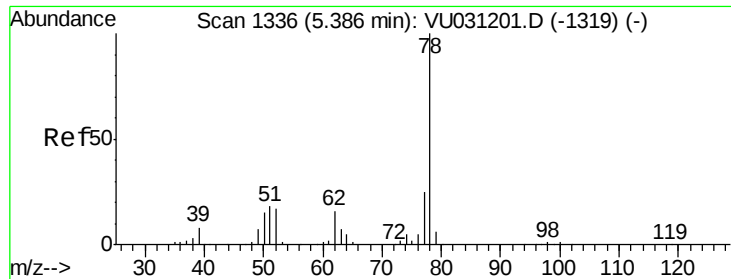
MMDadoda
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#34
Propionitrile
Concen: 10.628 ug/l
RT: 4.34 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.4	15.9	23.9
55	15.9	8.9	13.3#
40	3.8	4.1	6.1#





#35

Benzene

Concen: 2.018 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VU0416WBS01

Tot Ion: 78 Resp: 83318

Ion Ratio Lower Upper

78 100

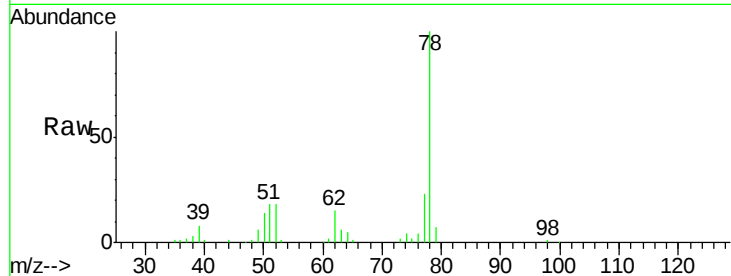
77 23.3 19.6 29.4

Manual Integrations

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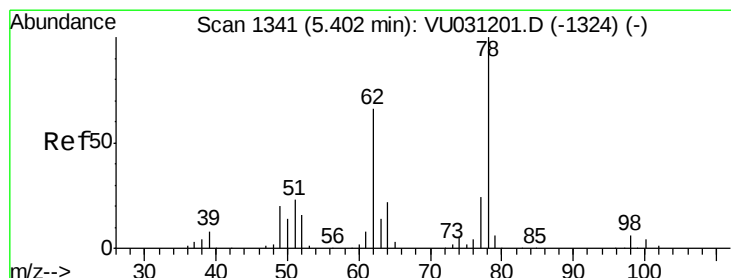
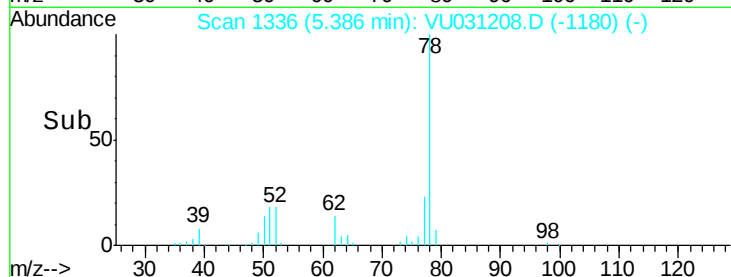
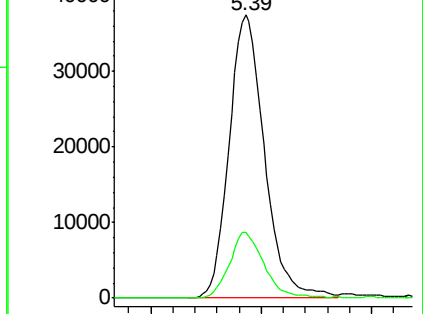
MMDadoda

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Abundance Ion 78.10 (77.80 to 78.80): VU031201.D (-1319) (-)

Ion 77.00 (76.70 to 77.70): VU031201.D (-1319) (-)



#36

1,2-Dichloroethane

Concen: 2.033 ug/l

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU031208.D

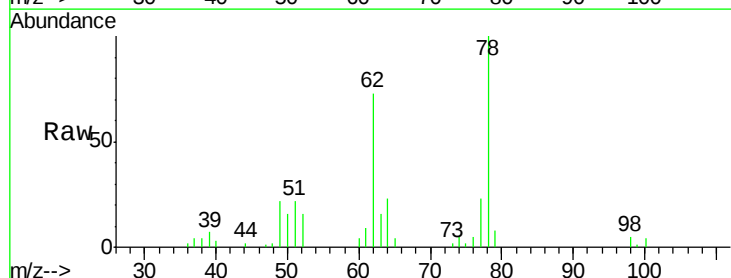
Acq: 16 Apr 2019 12:12

Tgt Ion: 62 Resp: 26714

Ion Ratio Lower Upper

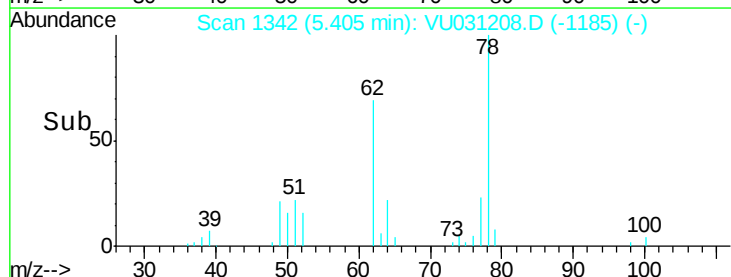
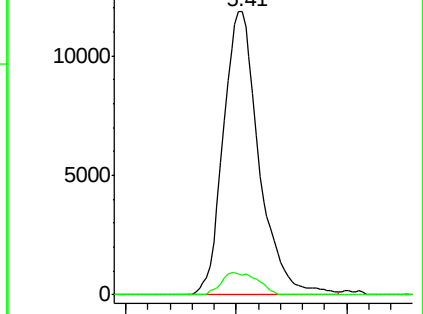
62 100

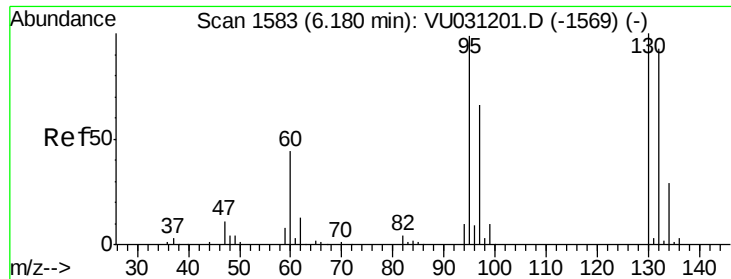
98 8.1 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VU031201.D (-1324) (-)

Ion 98.00 (97.70 to 98.70): VU031201.D (-1324) (-)





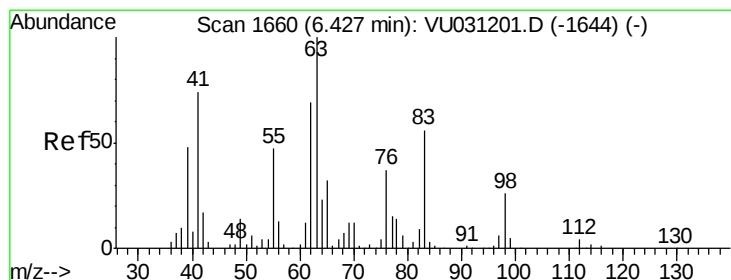
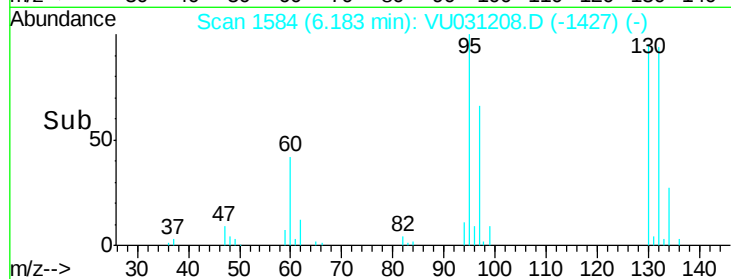
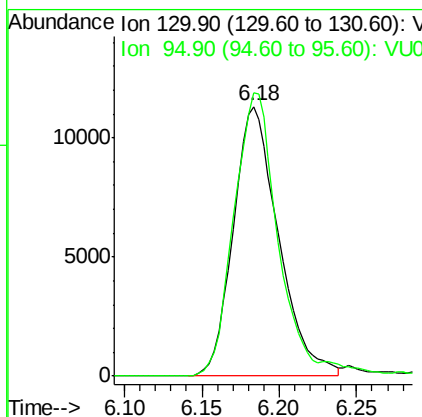
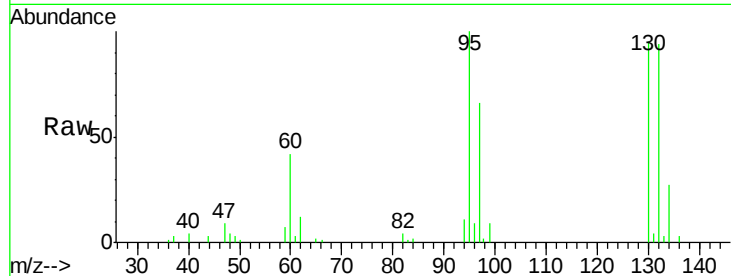
#37
 Trichloroethene
 Concen: 1.986 ug/l
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU031208.D
 Acq: 16 Apr 2019 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0416WBS01

Tot Ion:130 Resp: 22995
 Ion Ratio Lower Upper
 130 100
 95 105.1 79.3 118.9

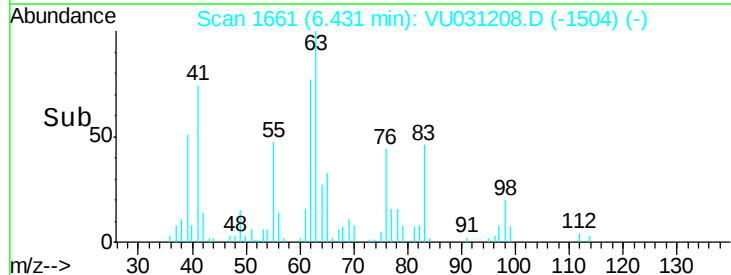
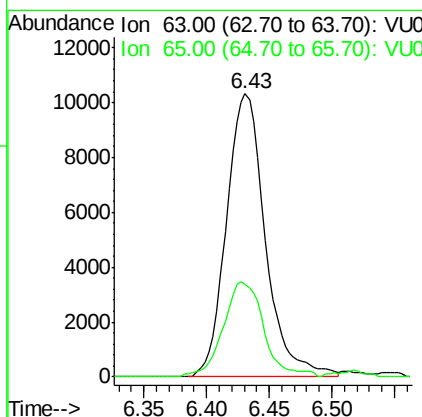
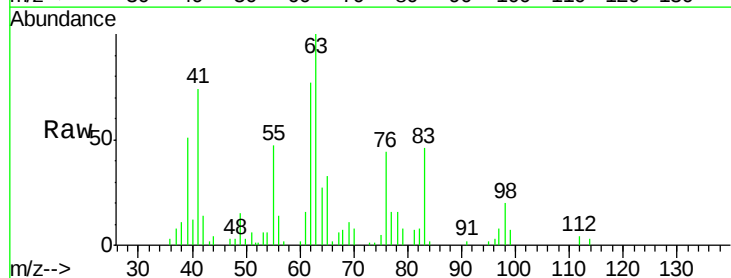
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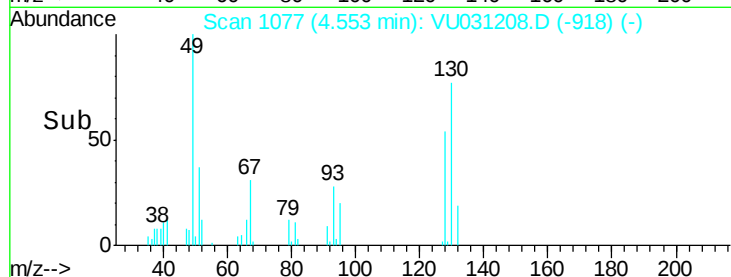
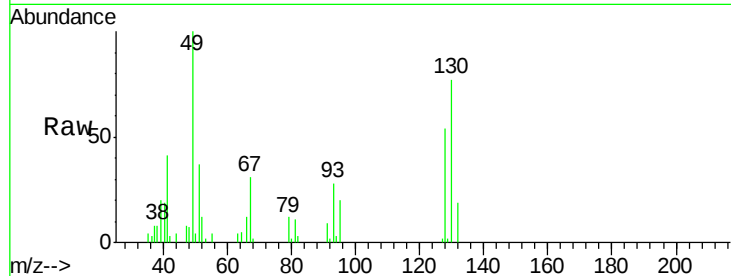
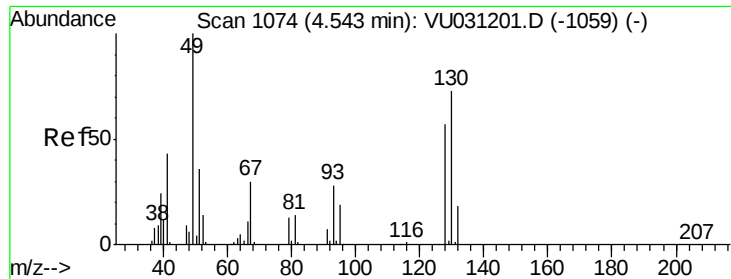
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 4/17/2019 9:15:16 AM



#38
 1,2-Dichloropropane
 Concen: 2.025 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU031208.D
 Acq: 16 Apr 2019 12:12

Tgt Ion: 63 Resp: 22271
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.5 38.3





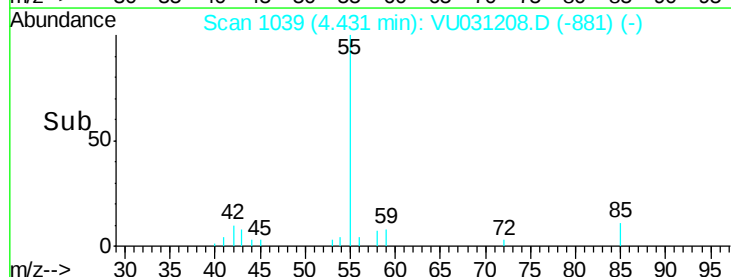
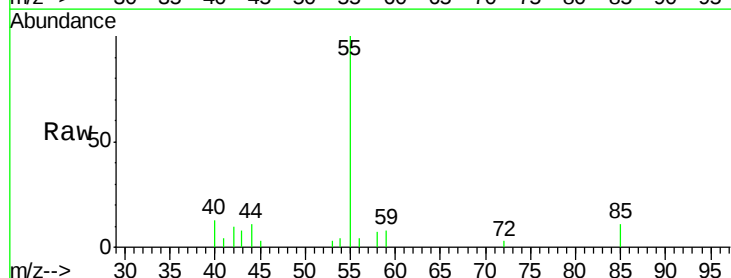
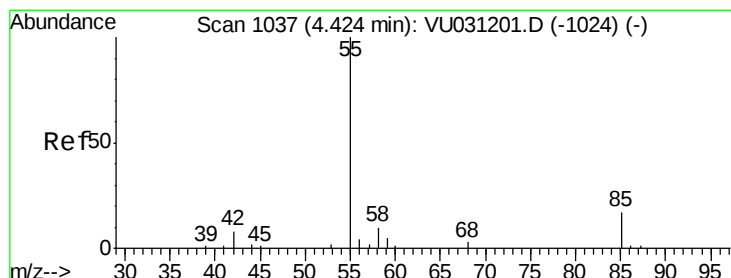
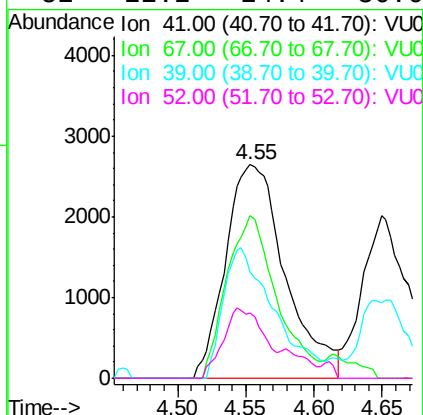
#39
Methacrylonitrile
Concen: 2.118 ug/l
RT: 4.55 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Tot Ion	Ratio	Lower	Upper
41	100		
67	63.6	59.7	89.5
39	51.9	42.2	63.2
52	22.2	24.4	36.6#

Instrument :
MSVOA_U
ClientSampleId :
VU0416WBS01

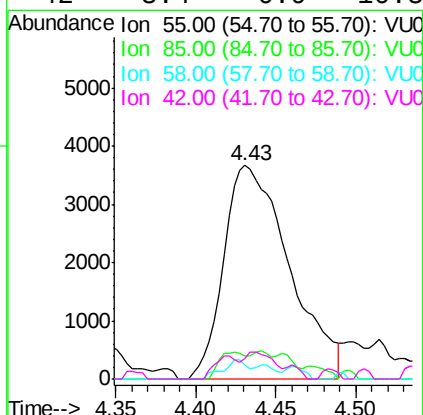
Manual Integrations
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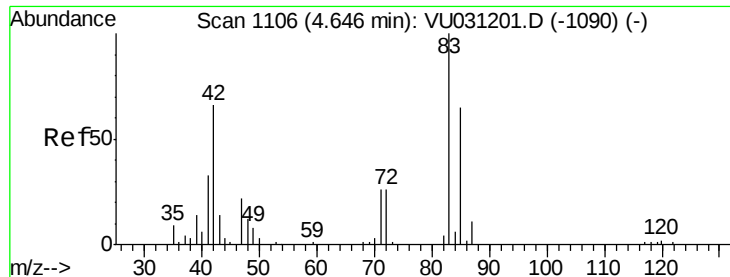
MMDadoda
4/17/2019 9:15:16 AM



#40
Methyl acrylate
Concen: 2.151 ug/l
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
55	100		
85	0.0	12.2	18.2#
58	3.4	7.0	10.6#
42	3.4	6.9	10.3#





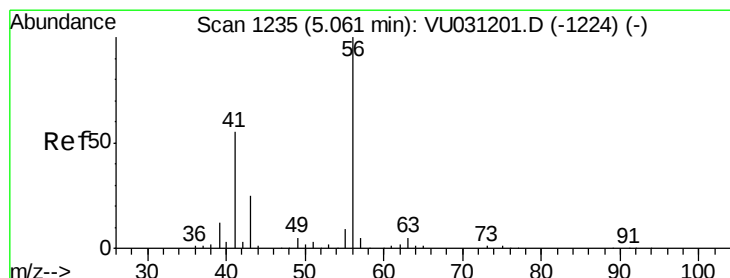
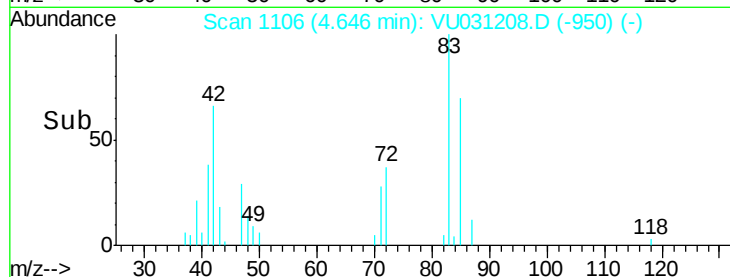
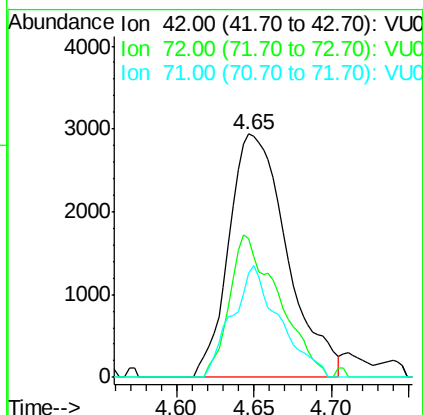
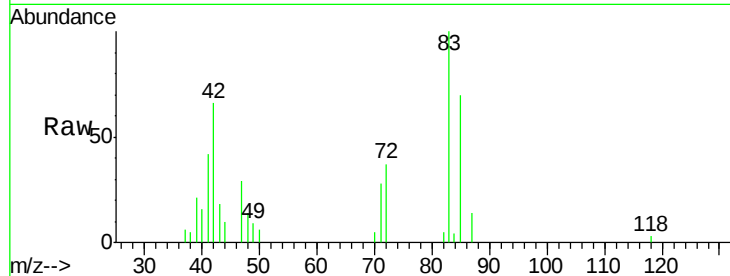
#41
Tetrahydrofuran
Concen: 3.942 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Instrument :
MSVOA_U
ClientSampleId :
VU0416WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.4	34.4	51.6
71	37.3	32.0	48.0

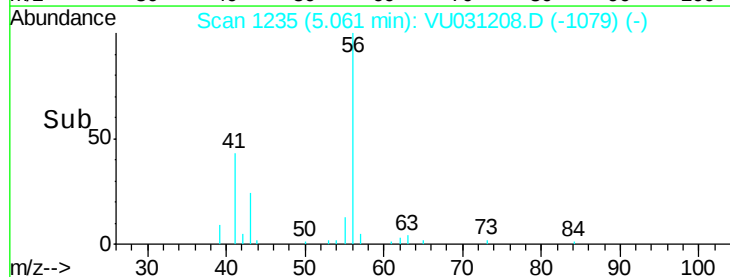
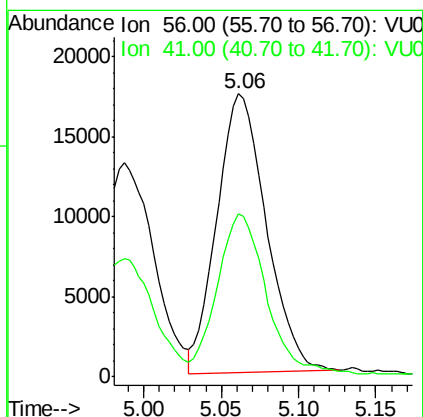
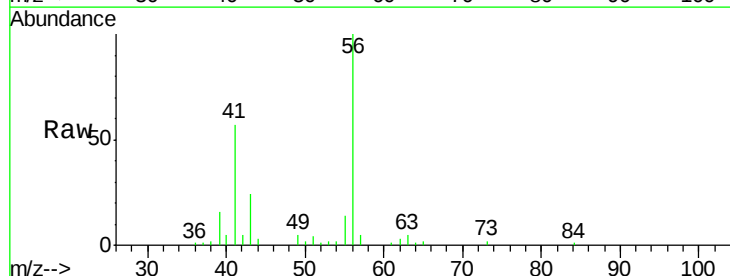
Manual Integrations
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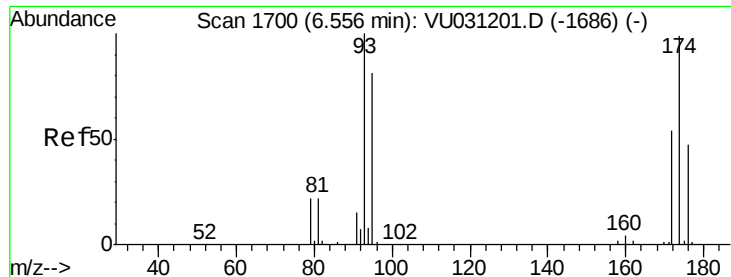
MMDadoda
4/17/2019 9:15:16 AM



#42
1-Chlorobutane
Concen: 1.947 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
56	100		
41	58.0	27.3	81.9





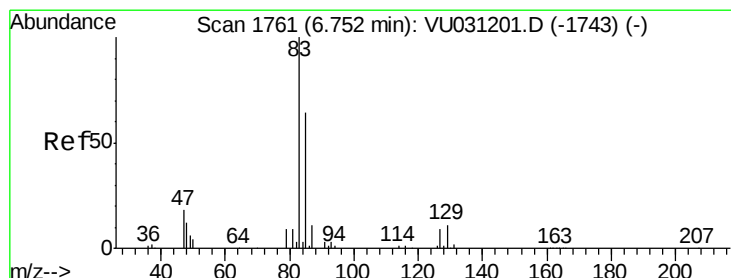
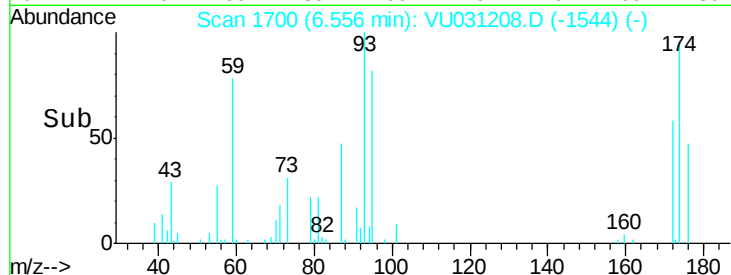
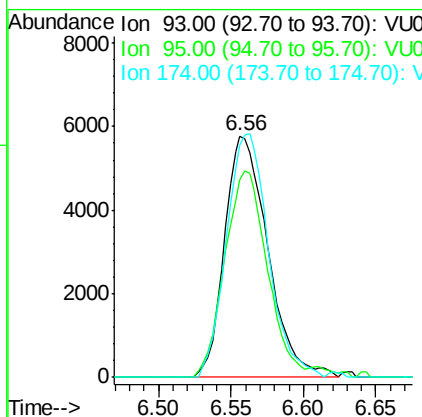
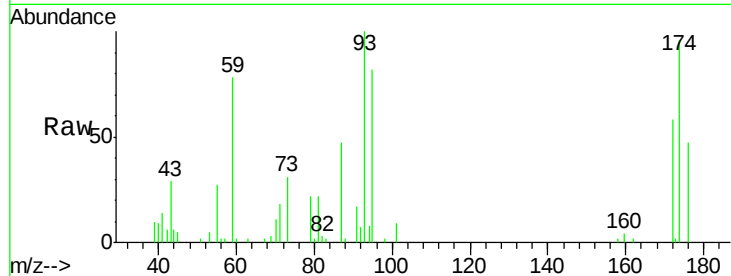
#43
Dibromomethane
Concen: 2.024 ug/l
RT: 6.56 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Instrument :
MSVOA_U
ClientSampleId :
VU0416WBS01

Tot Ion: 93 Resp: 11974
Ion Ratio Lower Upper
93 100
95 83.8 67.4 101.0
174 98.0 79.1 118.7

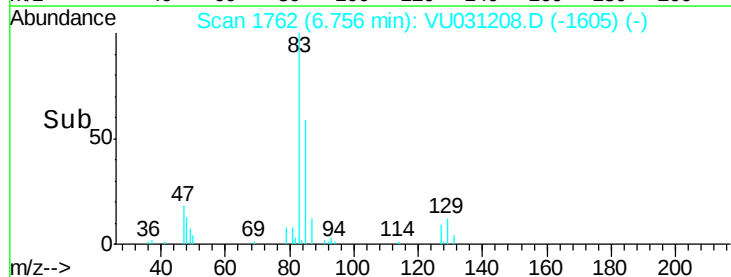
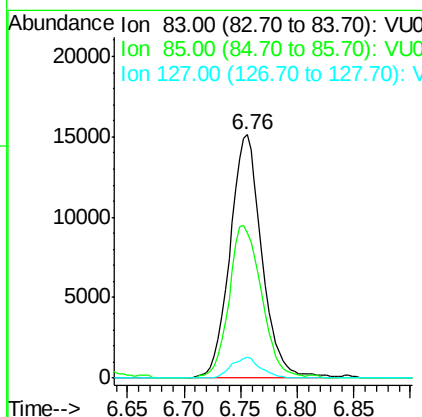
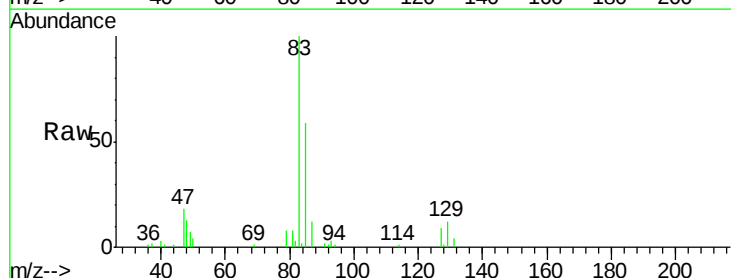
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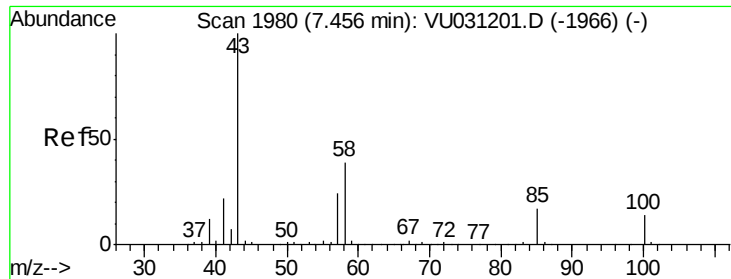
MMDadoda
4/17/2019 9:15:16 AM



#44
Bromodichloromethane
Concen: 2.082 ug/l
RT: 6.76 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Tgt Ion: 83 Resp: 29684
Ion Ratio Lower Upper
83 100
85 59.4 51.0 76.6
127 8.8 7.4 11.0





#45

4-Methyl-2-Pentanone

Concen: 10.413 ug/l

RT: 7.46 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_U

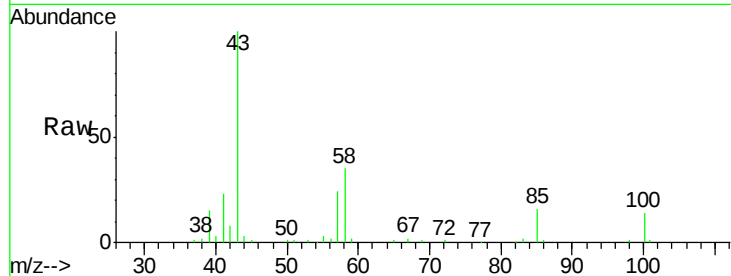
ClientSampleId :

VU0416WBS01

Tot Ion:	43	Resp:	72672
Ion	Ratio	Lower	Upper
43	100		
58	36.7	19.4	58.2
85	15.4	13.2	19.8

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MMDadoda
4/17/2019 9:15:16 AM

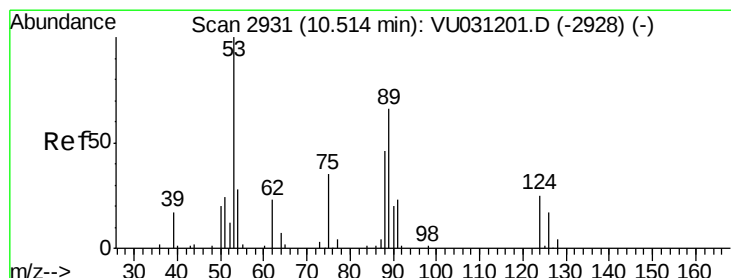
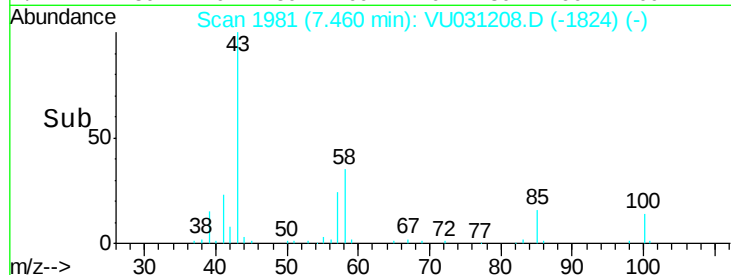
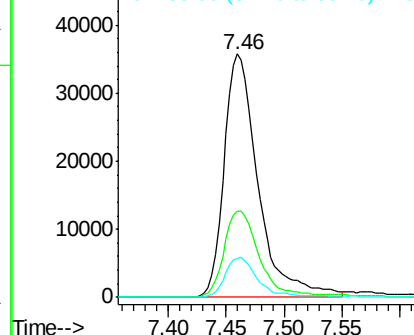


Abundance

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

t-1,4-Dichloro-2-butene

Concen: 3.924 ug/l m

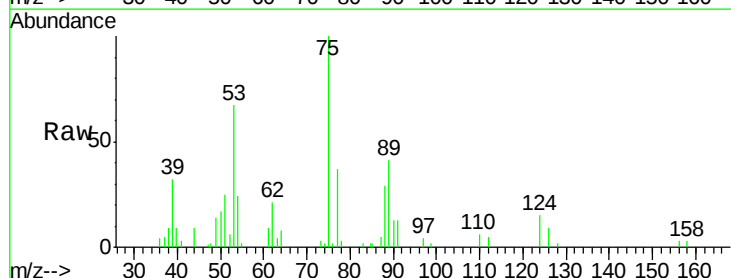
RT: 10.51 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Tgt Ion:	75	Resp:	10440
Ion	Ratio	Lower	Upper
75	100		
53	79.3	65.2	97.8
89	52.8	43.0	64.4
88	41.8	32.5	48.7



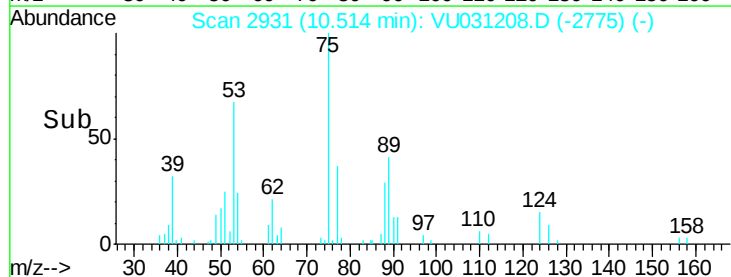
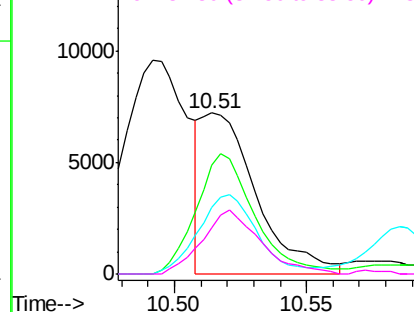
Abundance

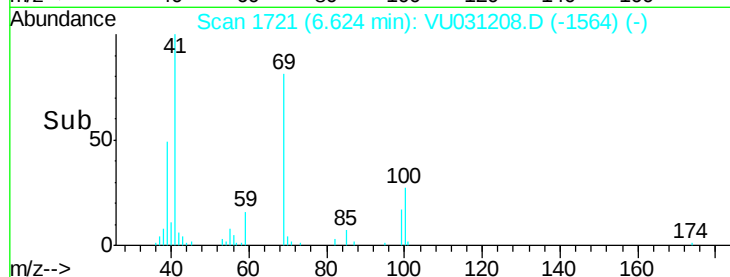
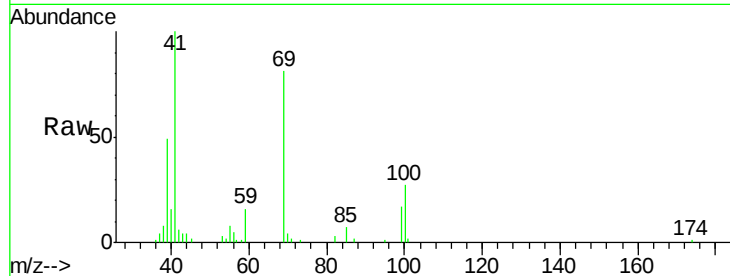
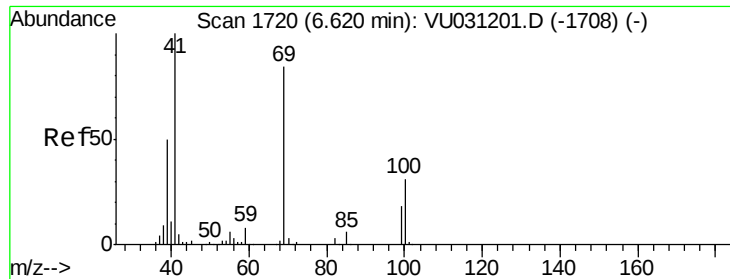
Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.80 (88.50 to 89.50): VU0

Ion 87.80 (87.50 to 88.50): VU0





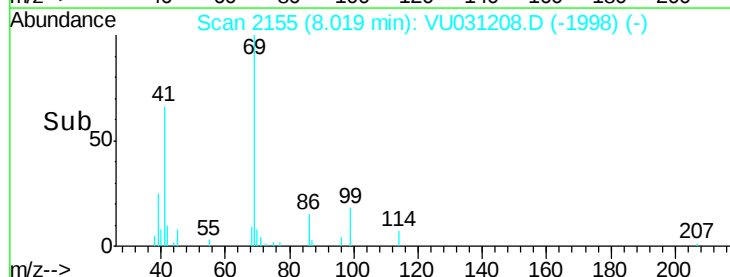
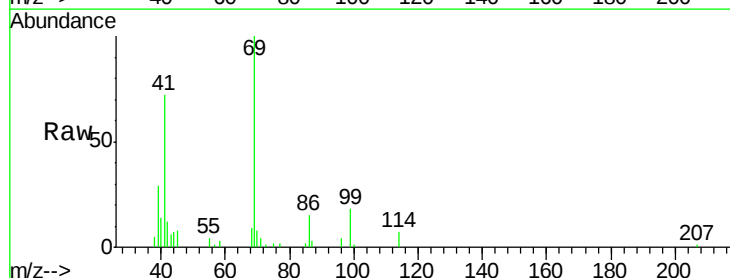
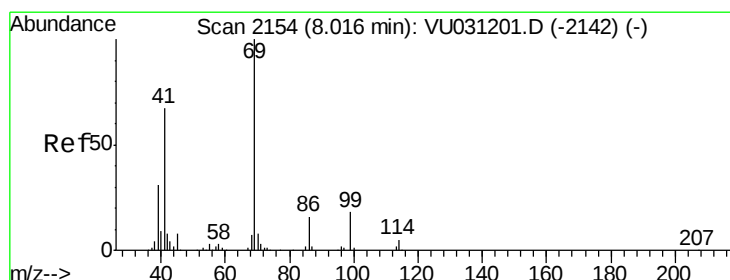
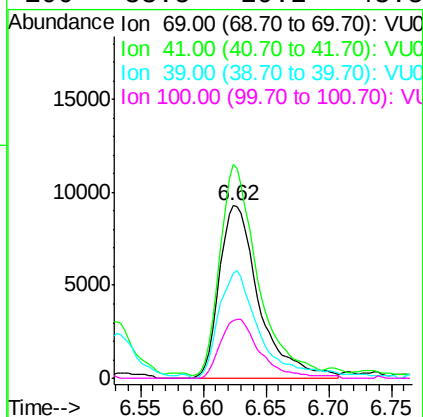
#47
Methyl methacrylate
Concen: 4.092 ug/l
RT: 6.62 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	114.9	0.0	237.2		
39	64.6	47.4	71.2		
100	33.5	29.2	43.8		

Instrument :
MSVOA_U
ClientSampleId :
VU0416WBS01

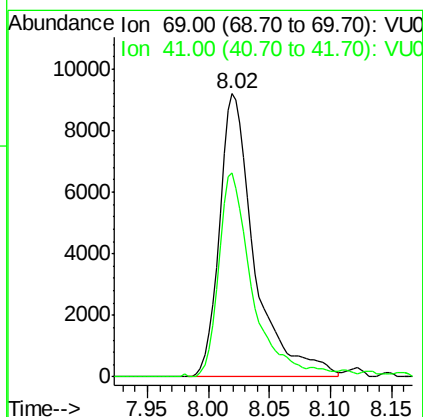
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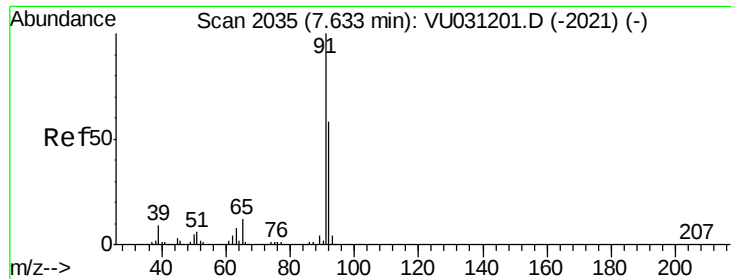
MMDadoda
4/17/2019 9:15:16 AM



#48
Ethyl methacrylate
Concen: 2.095 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	67.1	32.5	97.5		





#49

Toluene

Concen: 2.097 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VU0416WBS01

Tot Ion: 92 Resp: 47529

Ion Ratio Lower Upper

92 100

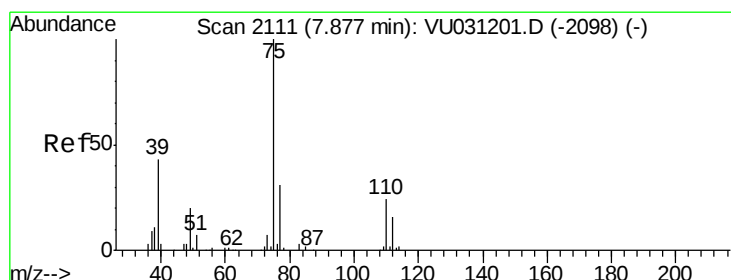
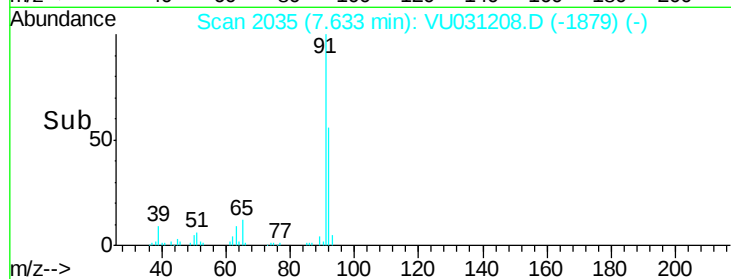
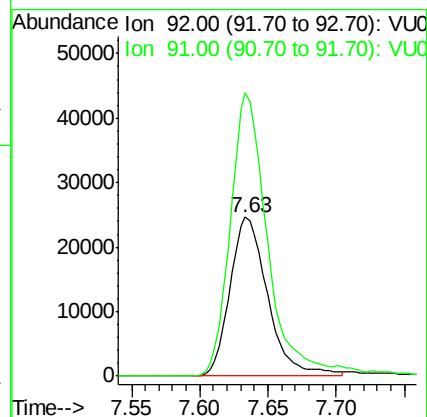
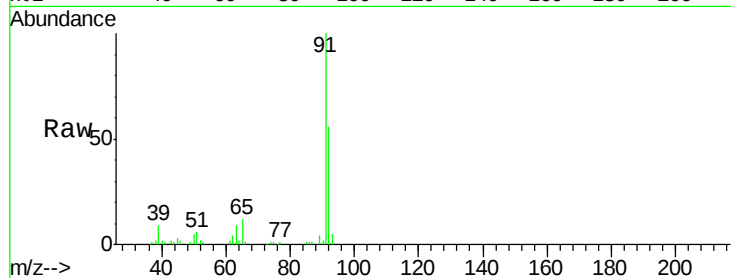
91 172.3 140.2 210.4

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4/17/2019 9:15:16 AM



#50

t-1,3-Dichloropropene

Concen: 2.078 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU031208.D

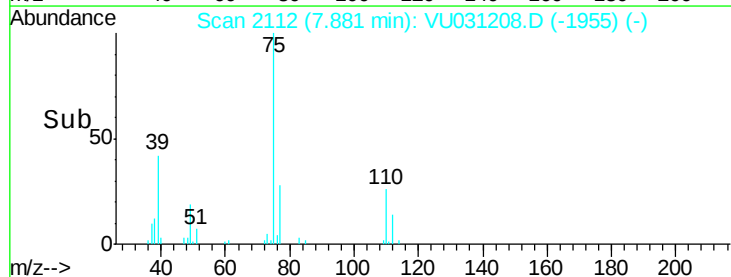
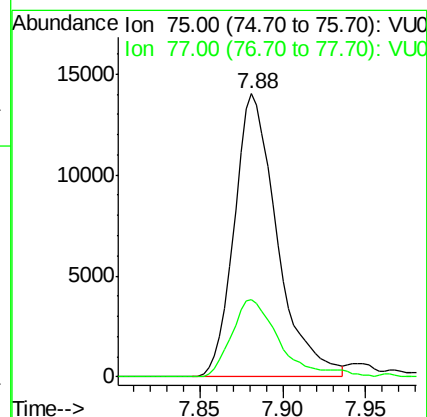
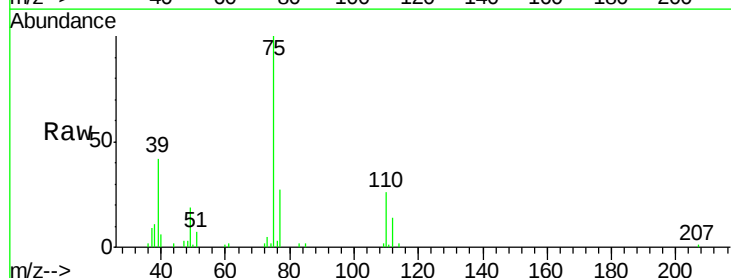
Acq: 16 Apr 2019 12:12

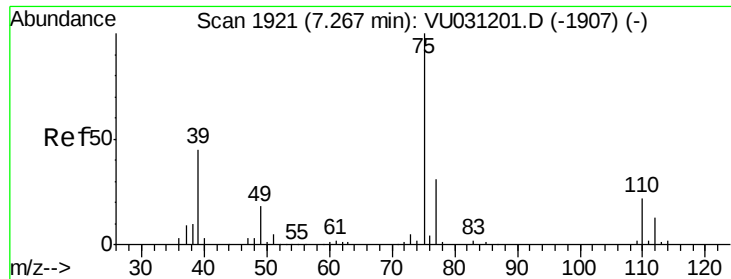
Tgt Ion: 75 Resp: 25268

Ion Ratio Lower Upper

75 100

77 27.3 24.6 37.0





#51

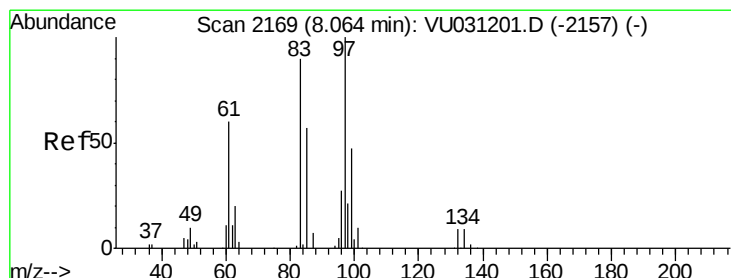
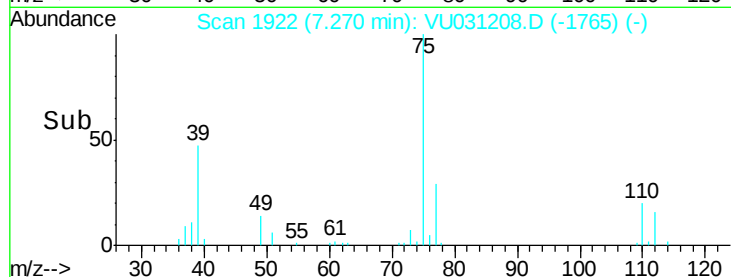
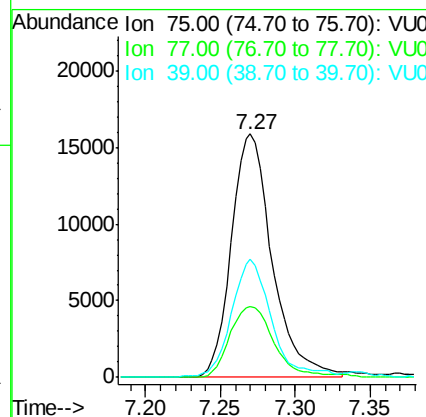
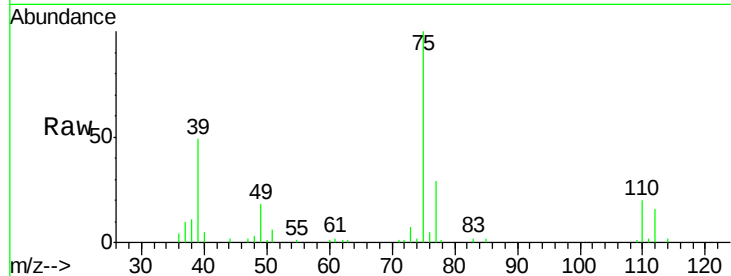
cis-1,3-Dichloropropene
Concen: 2.105 ug/l
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Instrument :
MSVOA_U
ClientSampleId :
VU0416WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.2	24.6	37.0
39	47.9	36.1	54.1

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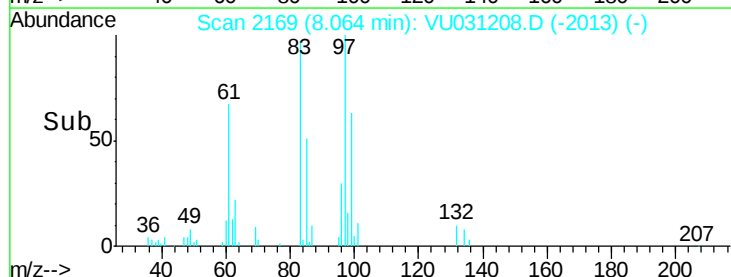
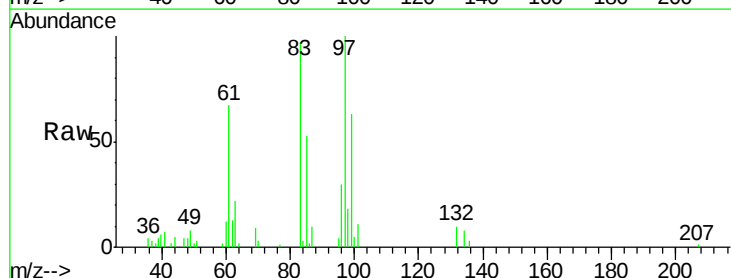
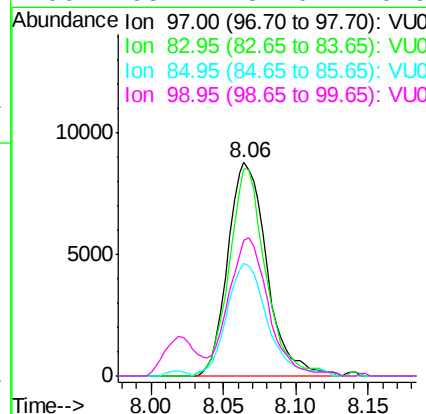
MMDadoda
4/17/2019 9:15:16 AM

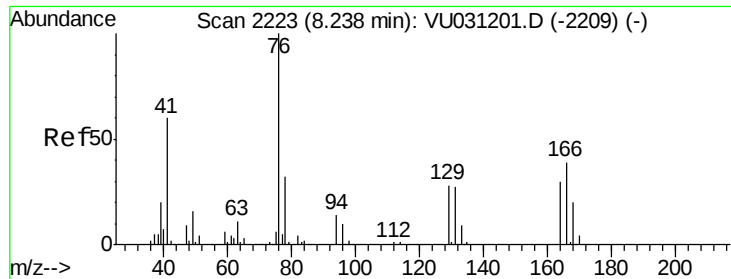


#52

1,1,2-Trichloroethane
Concen: 2.059 ug/l
RT: 8.06 min Scan# 2169
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	96.8	71.5	107.3
85	52.7	46.7	70.1
99	63.4	51.0	76.6





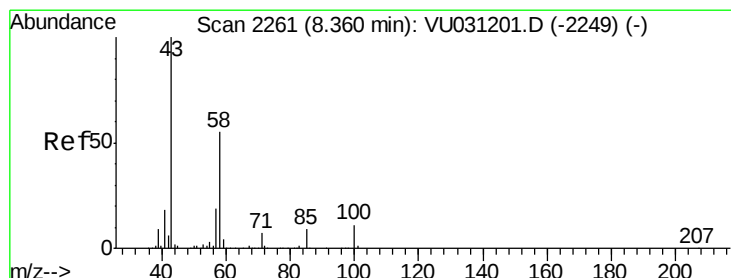
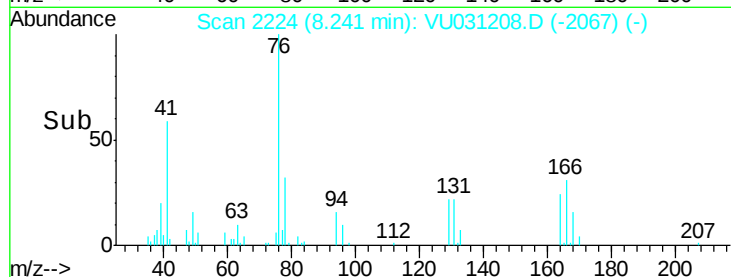
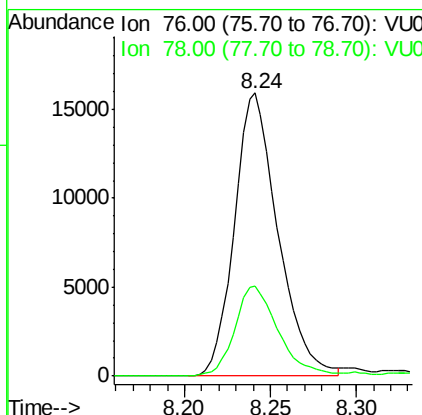
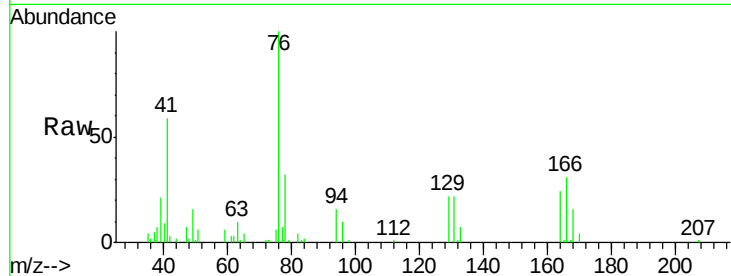
#53
 1,3-Dichloropropane
 Concen: 2.072 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU031208.D
 Acq: 16 Apr 2019 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0416WBS01

Tot Ion: 76 Resp: 28087
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.3 37.9

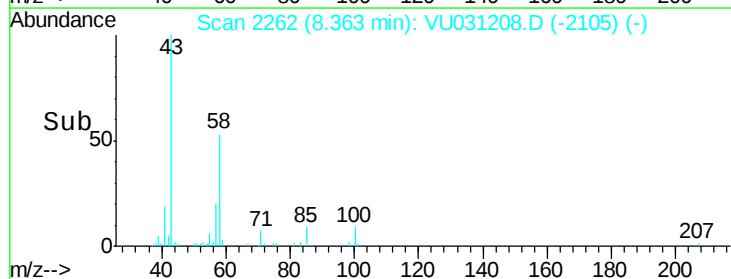
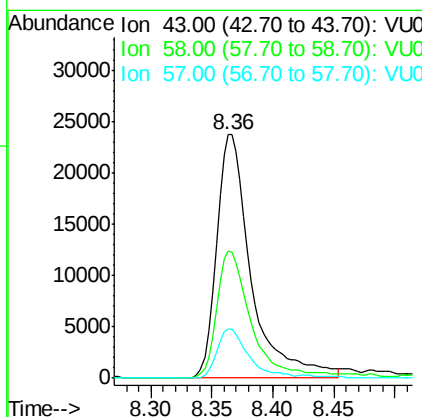
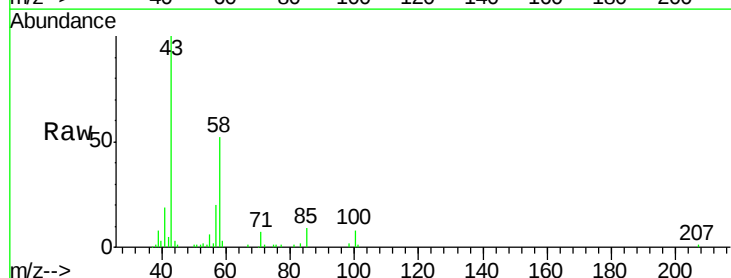
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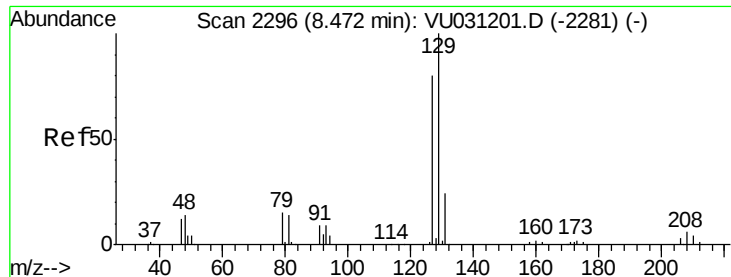
MMDadoda
 4/17/2019 9:15:16 AM



#54
 2-Hexanone
 Concen: 10.031 ug/l
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU031208.D
 Acq: 16 Apr 2019 12:12

Tgt Ion: 43 Resp: 47248
 Ion Ratio Lower Upper
 43 100
 58 51.9 35.5 75.5
 57 18.3 0.0 38.7





#55

Dibromochloromethane

Concen: 2.000 ug/l

RT: 8.47 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VU0416WBS01

Tot Ion:129 Resp: 18928

Ion Ratio Lower Upper

129 100

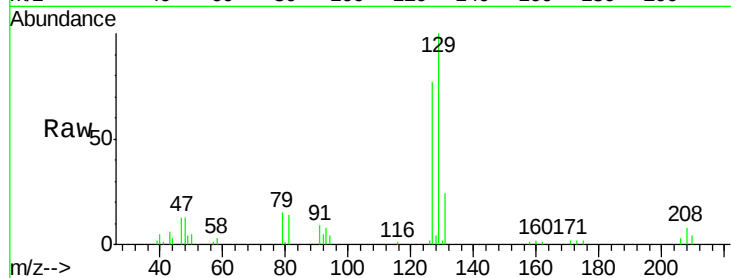
127 77.2 62.2 93.2

Manual Integrations

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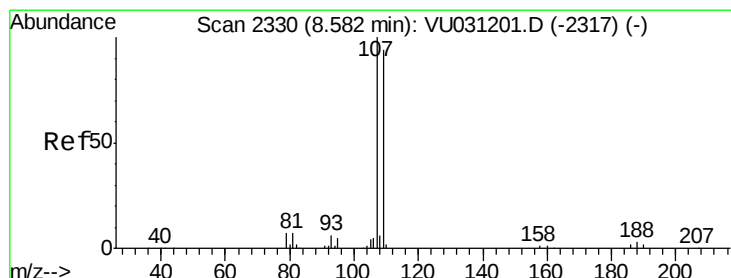
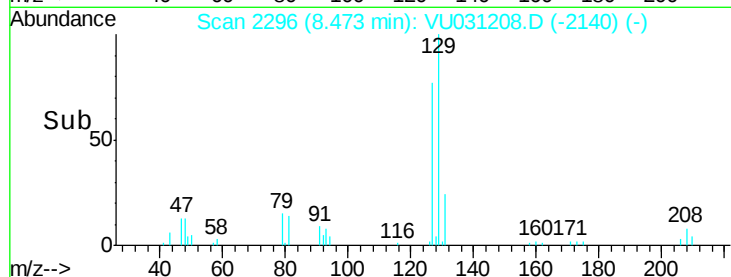
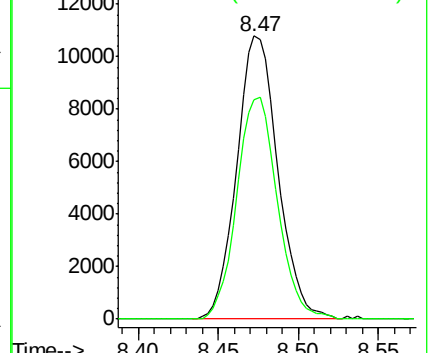
MMDadoda

4/17/2019 9:15:16 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 2.154 ug/l

RT: 8.59 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU031208.D

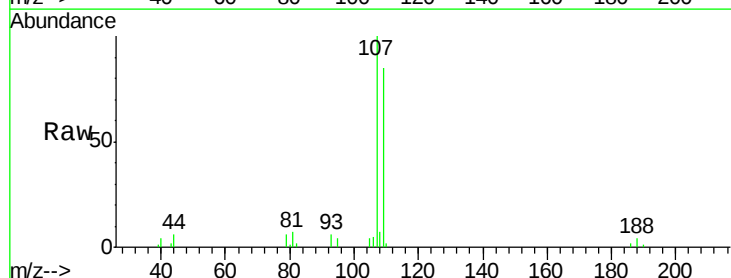
Acq: 16 Apr 2019 12:12

Tgt Ion:107 Resp: 15981

Ion Ratio Lower Upper

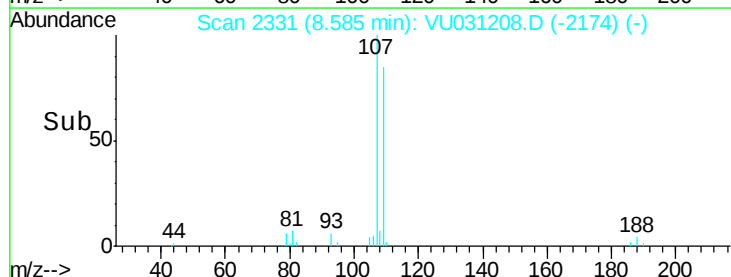
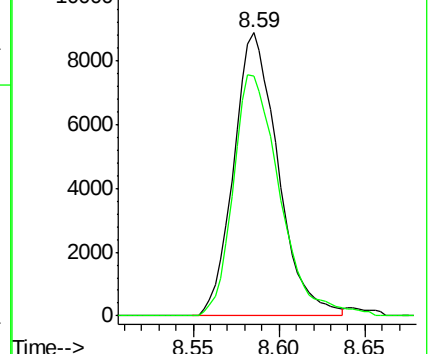
107 100

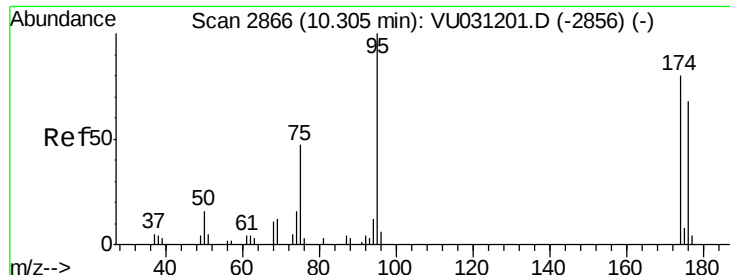
109 89.3 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





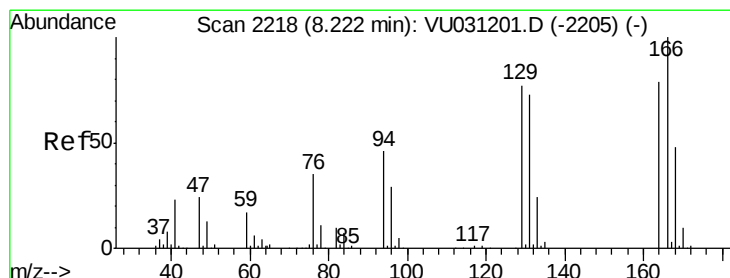
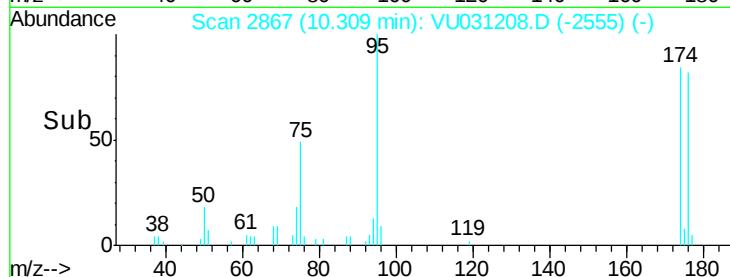
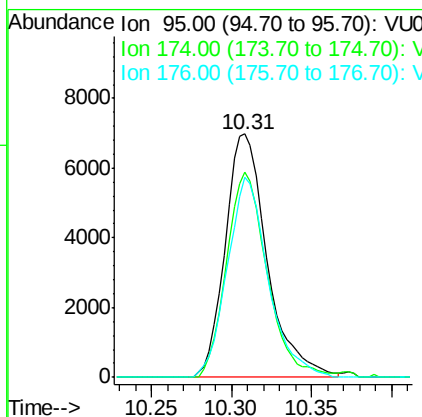
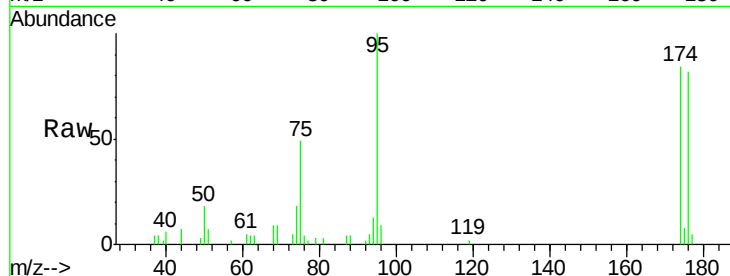
#57
4-Bromofluorobenzene
Concen: 2.154 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Instrument :
MSVOA_U
ClientSampleId :
VU0416WBS01

Tot Ion	Ratio	Resp	Lower	Upper
95	100	12506		
174	81.5	64.2	96.2	
176	79.7	58.0	87.0	

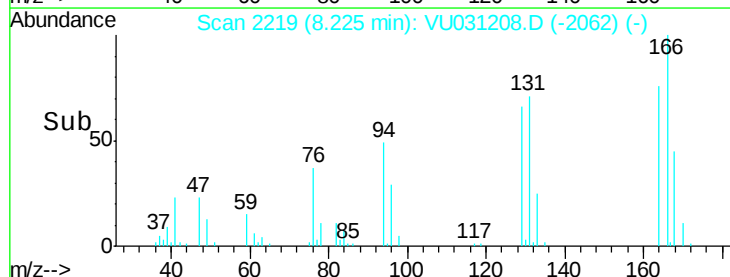
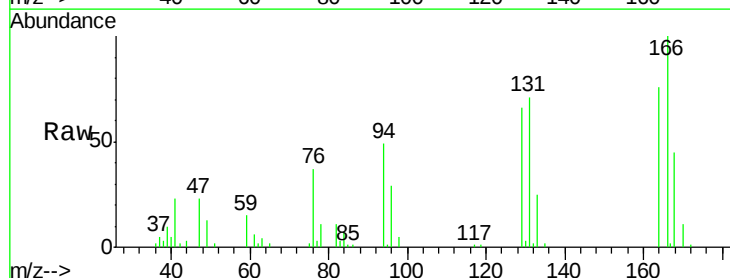
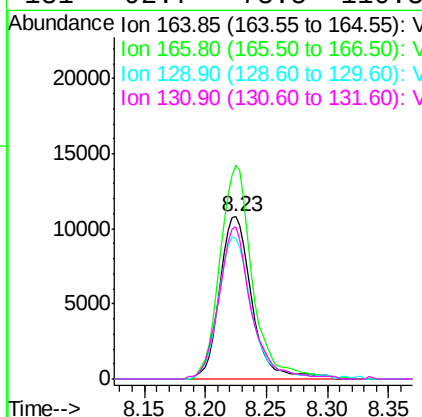
Manual Integrations
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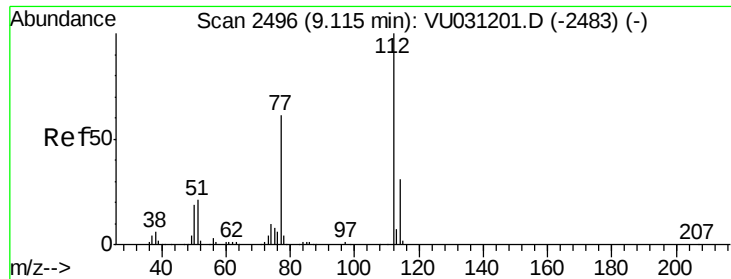
MMDadoda
4/17/2019 9:15:16 AM



#58
Tetrachloroethene
Concen: 2.032 ug/l
RT: 8.23 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	20002		
166	131.6	100.9	151.3	
129	87.1	77.6	116.4	
131	92.7	73.5	110.3	





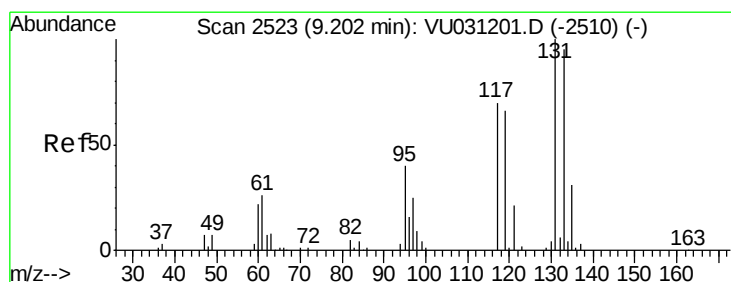
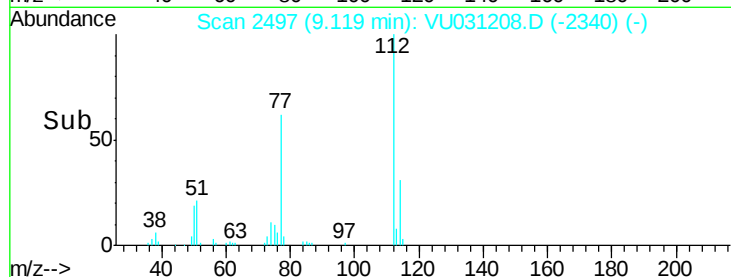
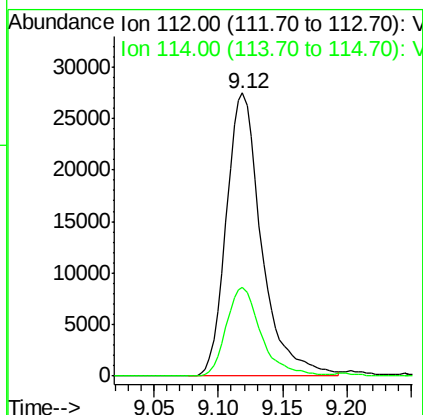
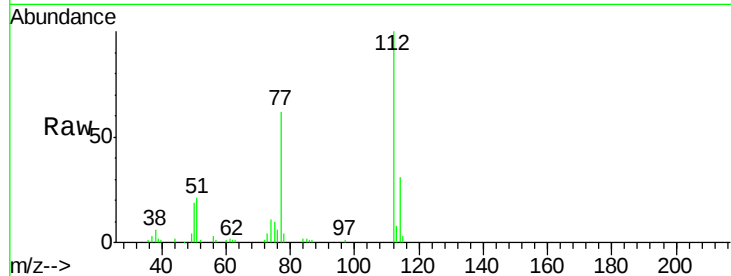
#59
Chlorobenzene
Concen: 2.076 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Instrument :
MSVOA_U
ClientSampleId :
VU0416WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	24.4	36.6

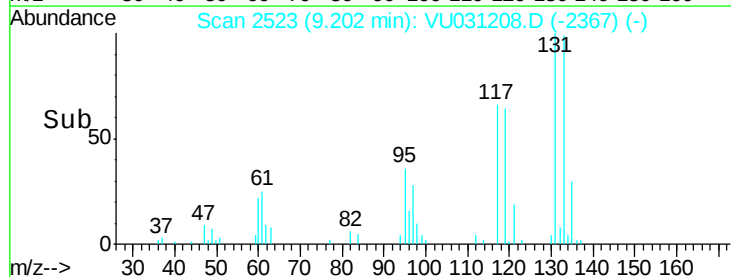
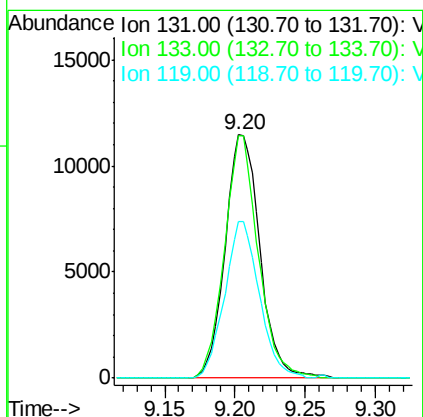
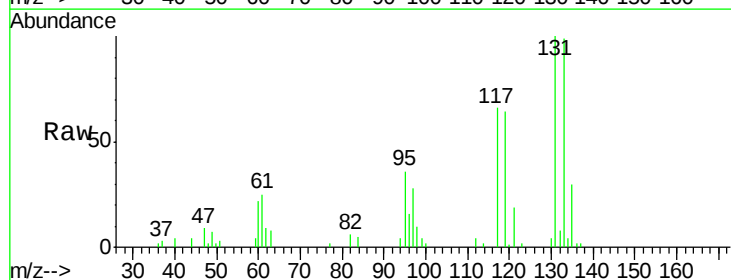
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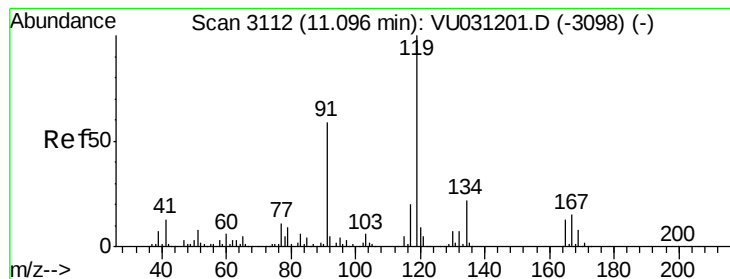
MMDadoda
4/17/2019 9:15:16 AM



#60
1,1,1,2-Tetrachloroethane
Concen: 2.093 ug/l
RT: 9.20 min Scan# 2523
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	77.2	115.8
119	64.3	51.4	77.2





#61

Pentachloroethane

Concen: 2.085 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VU0416WBS01

Tot Ion:117 Resp: 15306

Ion Ratio Lower Upper

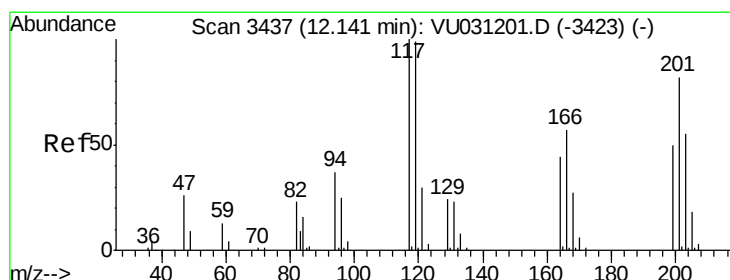
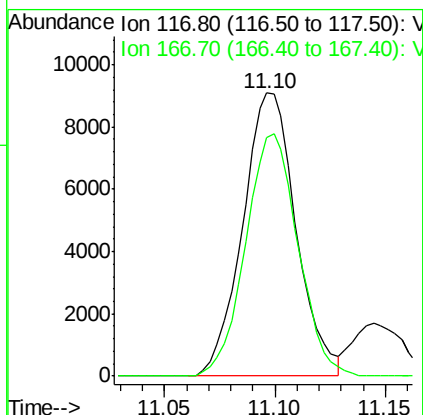
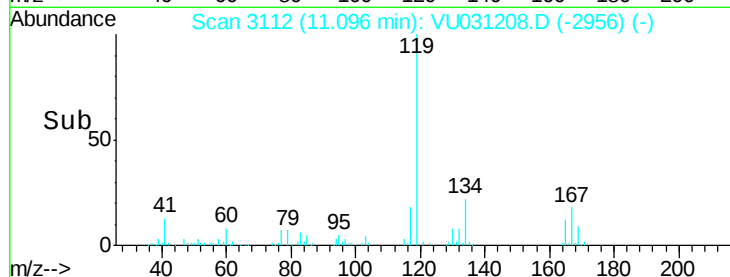
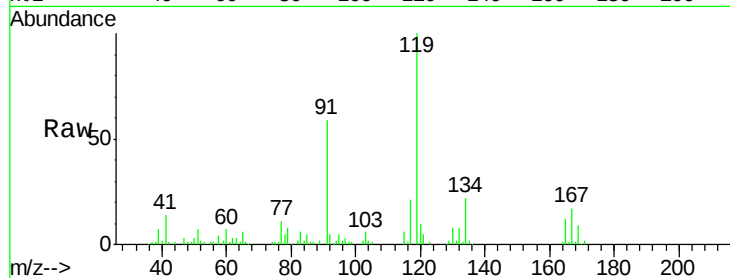
117 100

167 83.8 63.1 94.7

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#62

Hexachloroethane

Concen: 2.035 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU031208.D

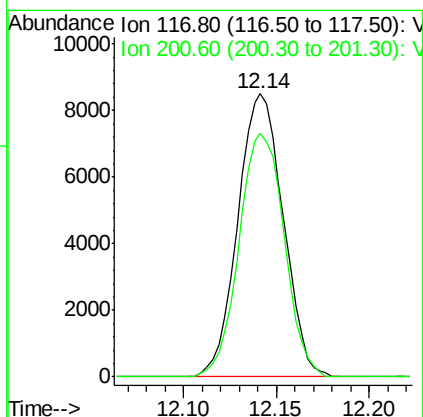
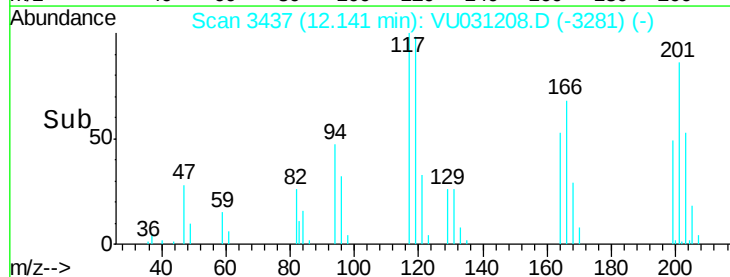
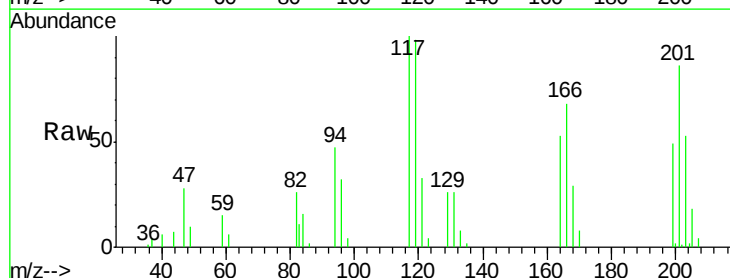
Acq: 16 Apr 2019 12:12

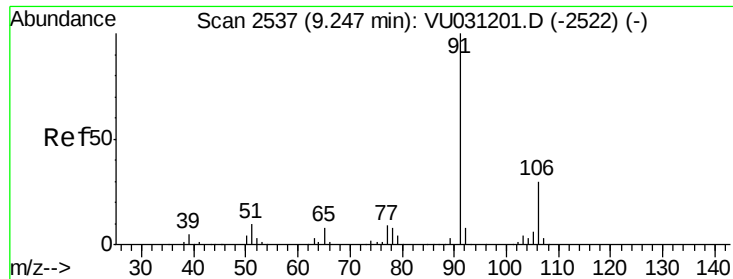
Tgt Ion:117 Resp: 14438

Ion Ratio Lower Upper

117 100

201 85.8 63.9 95.9





#63

Ethyl Benzene

Concen: 2.138 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VU0416WBS01

Tot Ion: 91 Resp: 85873

Ion Ratio Lower Upper

91 100

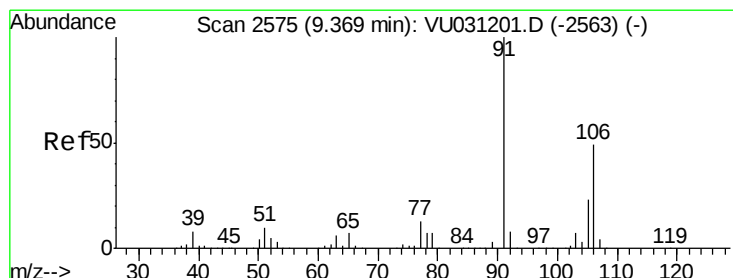
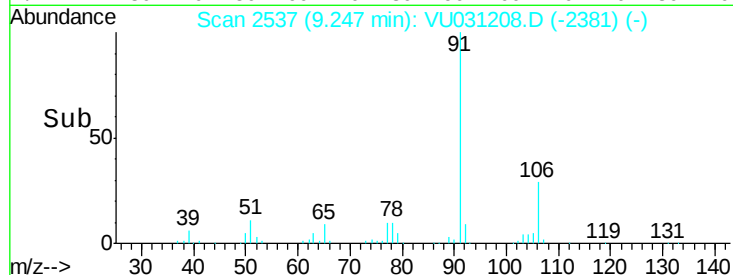
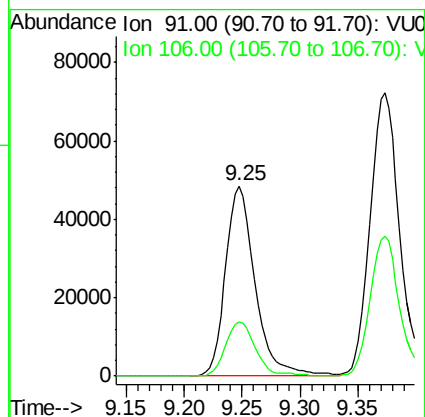
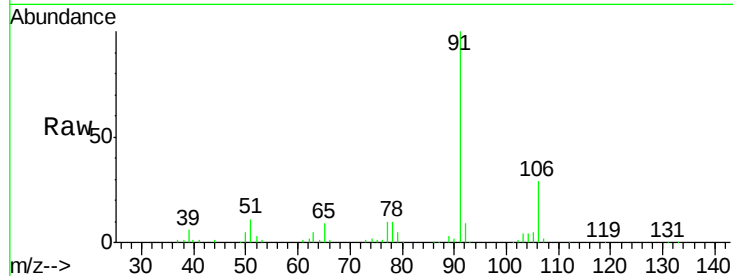
106 28.5 24.3 36.5

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#64

m/p-Xylenes

Concen: 4.178 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031208.D

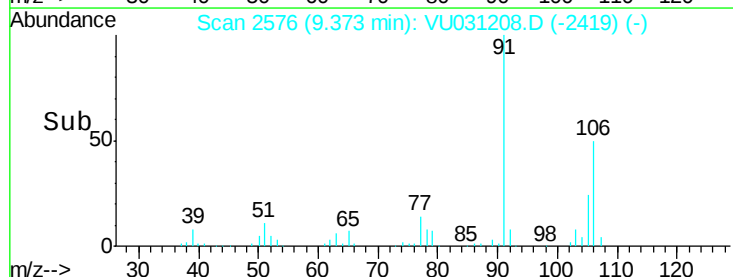
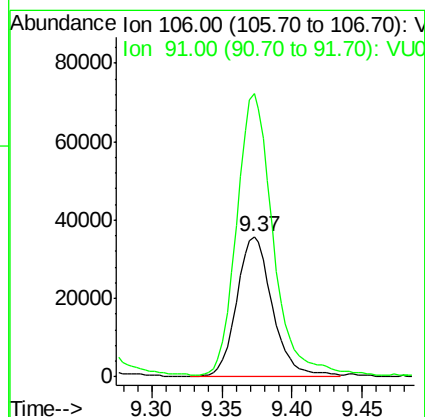
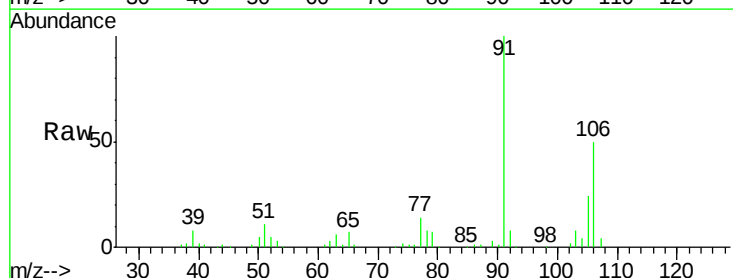
Acq: 16 Apr 2019 12:12

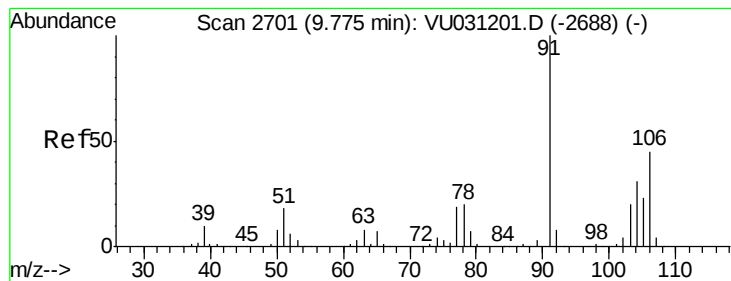
Tgt Ion: 106 Resp: 63885

Ion Ratio Lower Upper

106 100

91 203.3 165.7 248.5





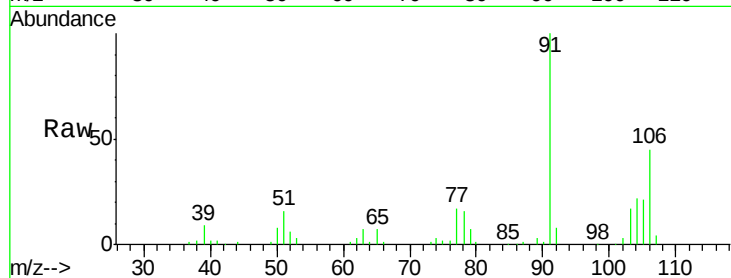
#65
o-Xylene
Concen: 2.013 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Instrument :
MSVOA_U
ClientSampleId :
VU0416WBS01

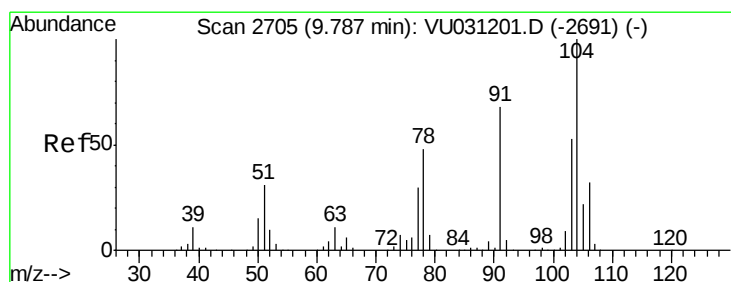
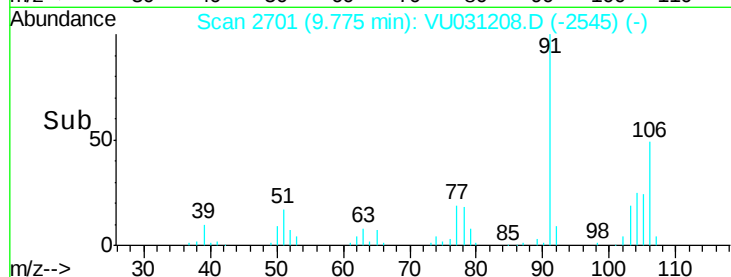
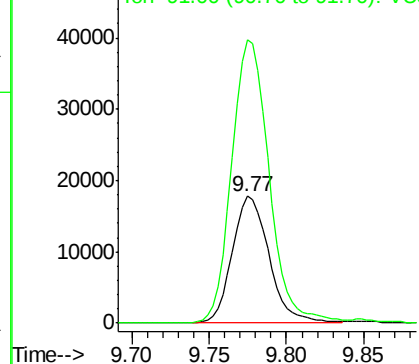
Tot Ion:106 Resp: 29460
Ion Ratio Lower Upper
106 100
91 226.3 111.3 333.8

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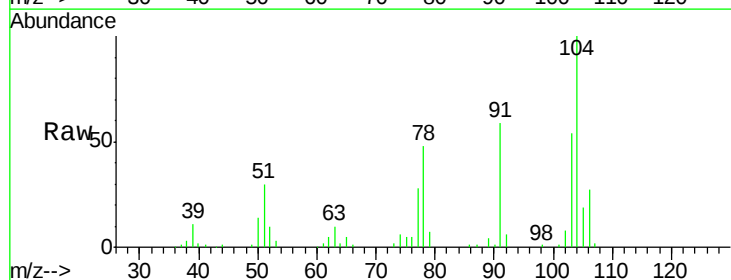


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

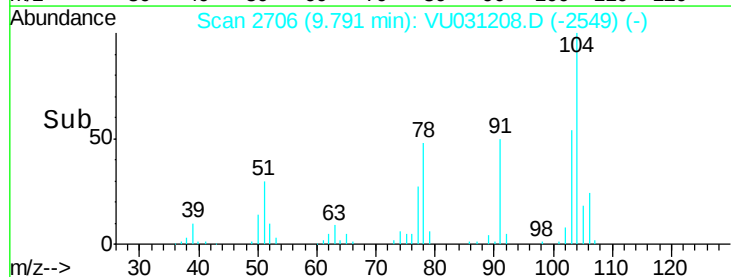
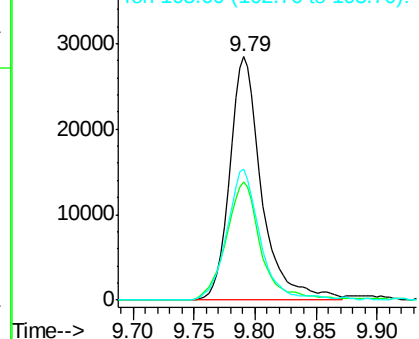


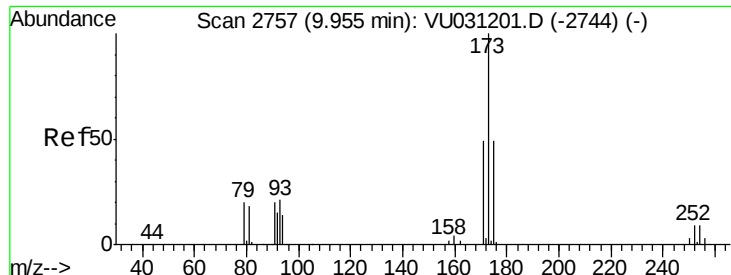
#66
Styrene
Concen: 2.064 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Tgt Ion:104 Resp: 52065
Ion Ratio Lower Upper
104 100
78 52.5 41.4 62.0
103 55.9 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





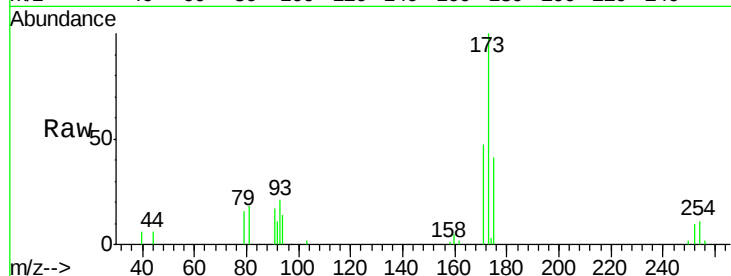
#67
Bromoform
Concen: 2.135 ug/l
RT: 9.96 min Scan# 2758
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Instrument :
MSVOA_U
ClientSampleId :
VU0416WBS01

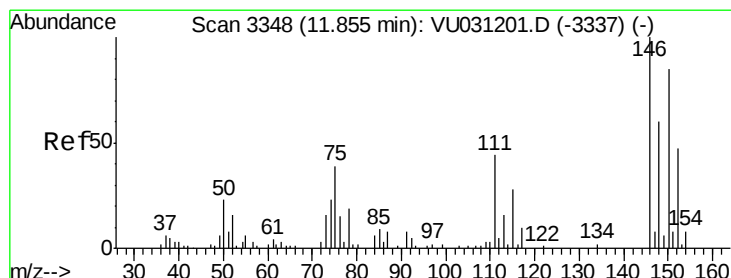
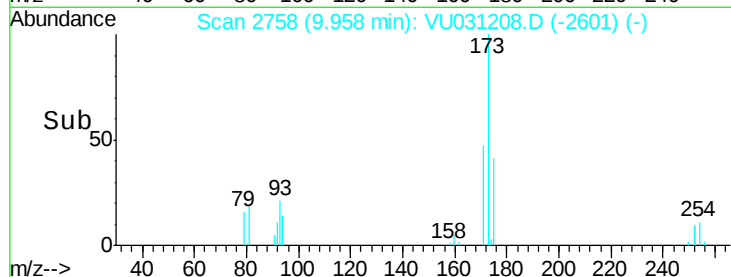
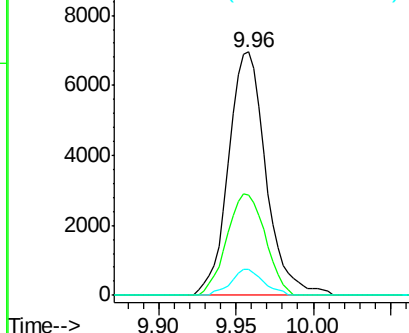
Tot Ion	Ratio	Lower	Upper
173	100		
175	42.9	38.0	57.0
254	9.2	7.1	10.7

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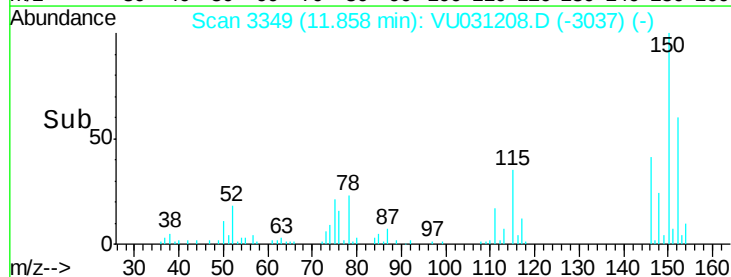
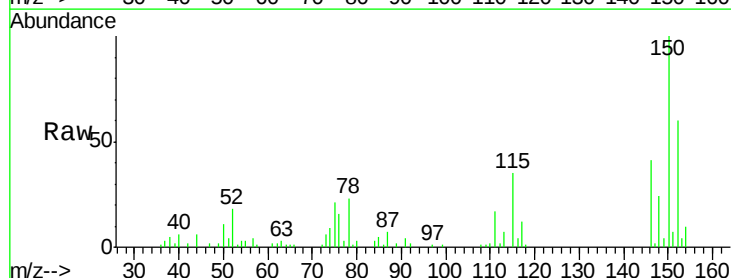
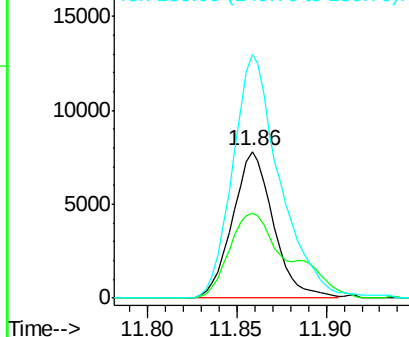
Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

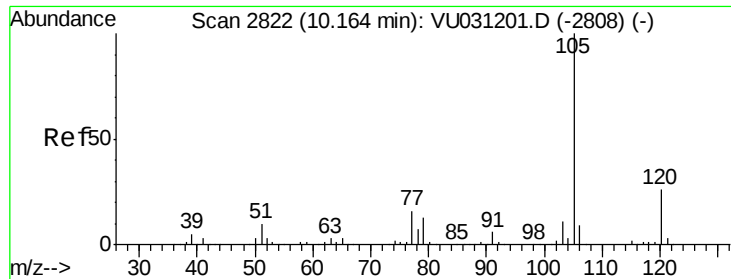


#68
1,2-Dichlorobenzene-d4
Concen: 2.135 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.7	0.0	130.0
150	192.1	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





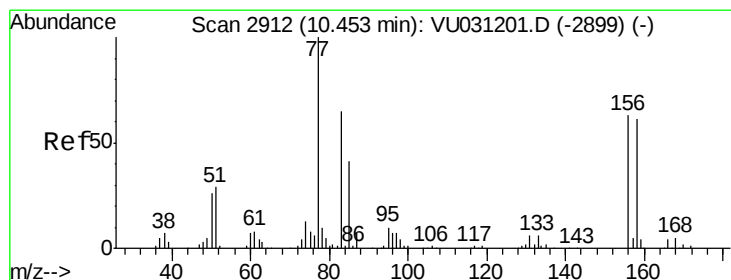
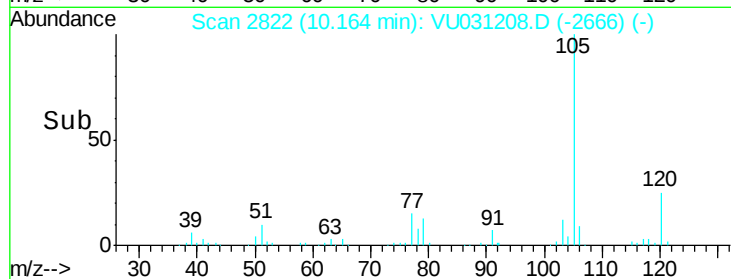
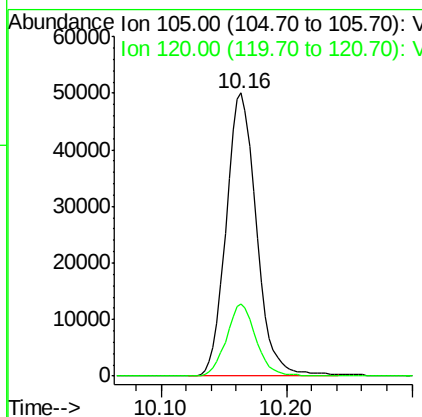
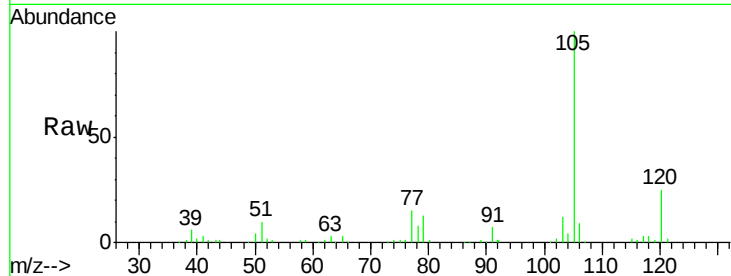
#69
Isopropylbenzene
Concen: 2.141 ug/l
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Instrument :
MSVOA_U
ClientSampleId :
VU0416WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
105	105	100	83981		
120	120	24.7		12.8	38.3

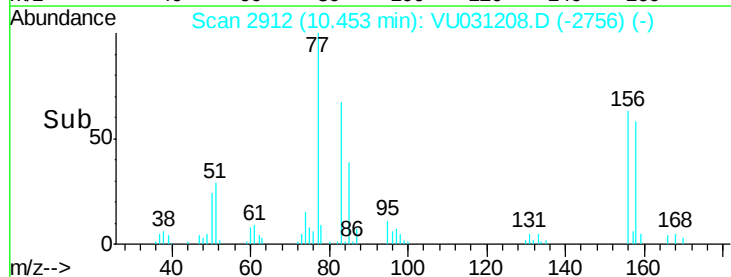
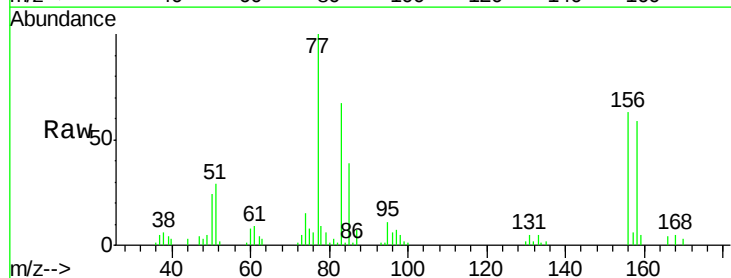
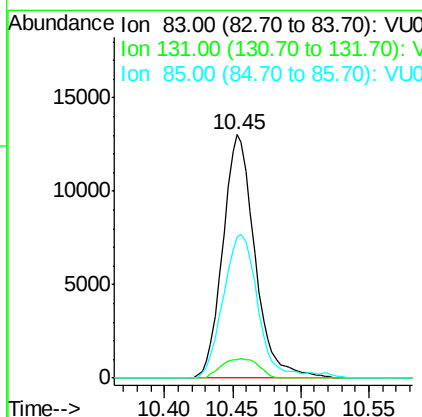
Manual Integrations
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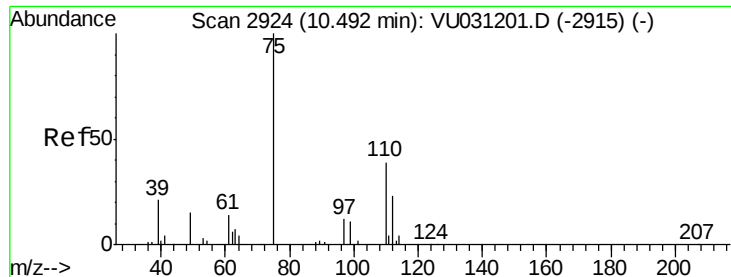
MMDadoda
4/17/2019 9:15:16 AM



#70
1,1,2,2-Tetrachloroethane
Concen: 2.060 ug/l
RT: 10.45 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	83	100	21333		
131	131	9.1		8.0	12.0
85	85	62.8		51.3	76.9





#71

1,2,3-Trichloropropane

Concen: 2.195 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VU0416WBS01

Tot Ion: 75 Resp: 16433

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

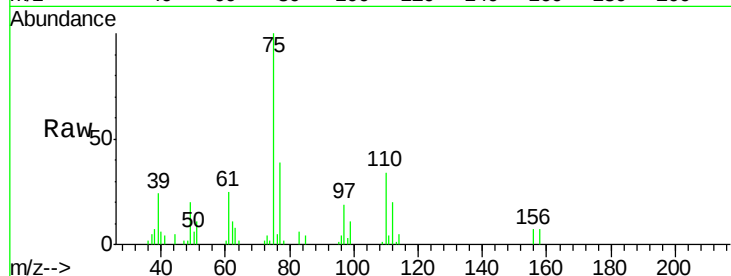
110 33.8 0.0 71.0

97 19.4 0.0 40.4

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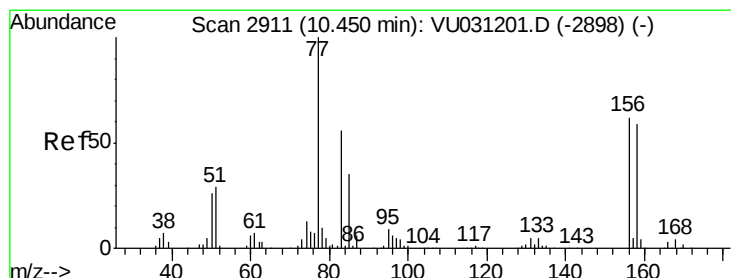
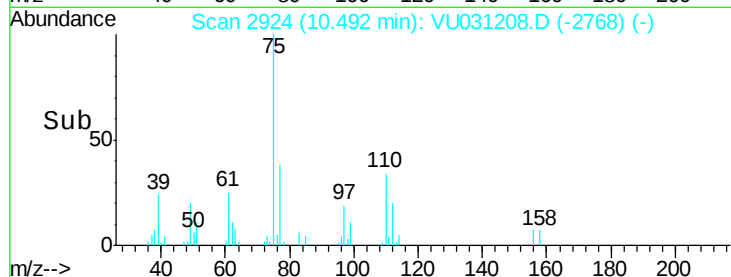
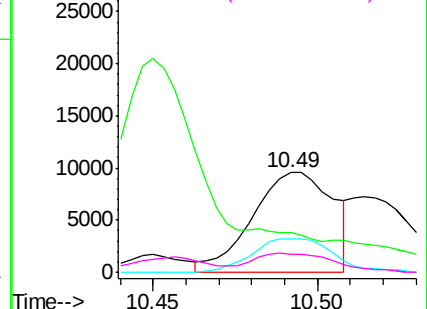


Abundance Ion 75.00 (74.70 to 75.70): VU031201.D (-2915) (-)

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: 2.137 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

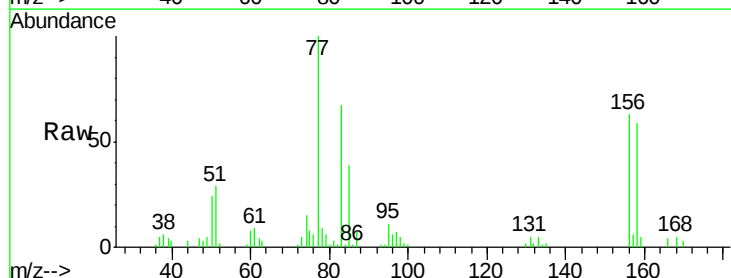
Tgt Ion: 156 Resp: 22181

Ion Ratio Lower Upper

156 100

77 203.8 0.0 322.6

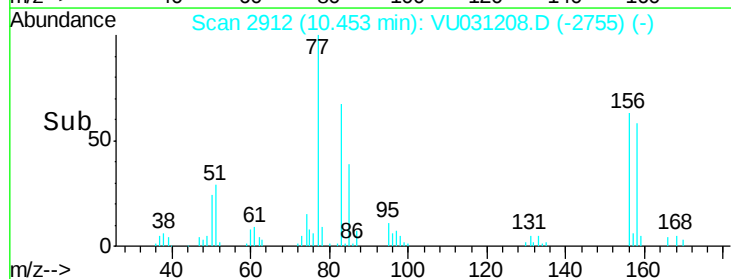
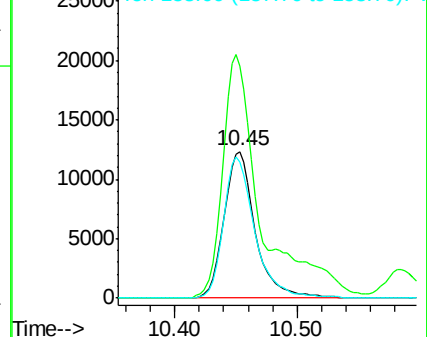
158 96.1 0.0 191.0

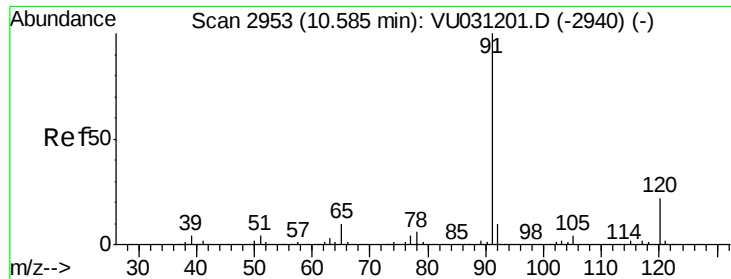


Abundance Ion 156.00 (155.70 to 156.70): VU031201.D (-2898) (-)

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: 2.204 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VU0416WBS01

Tot Ion:120 Resp: 23091

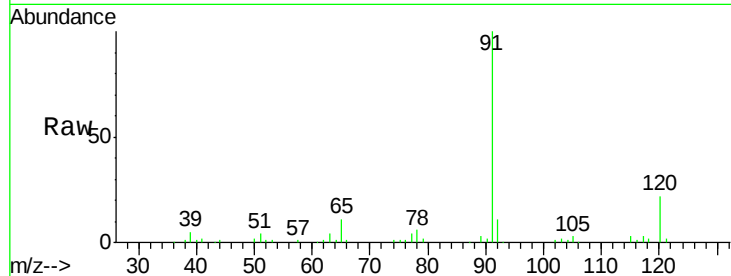
Ion Ratio Lower Upper

120 100

91 436.2 364.9 547.3

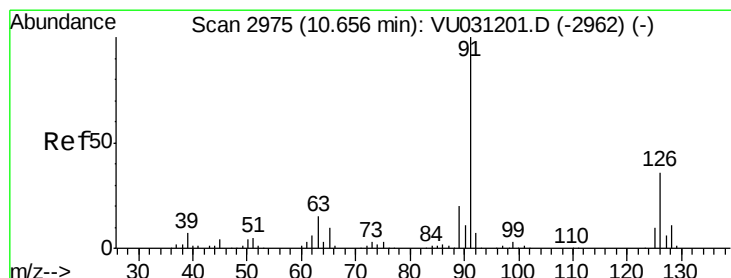
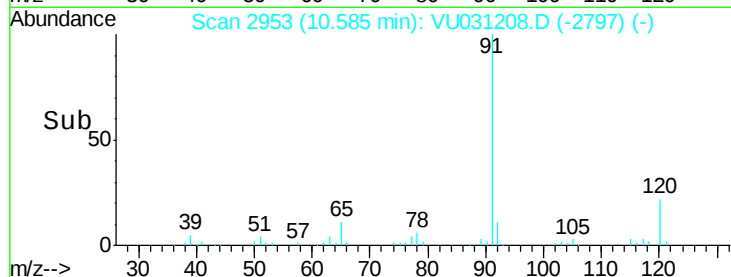
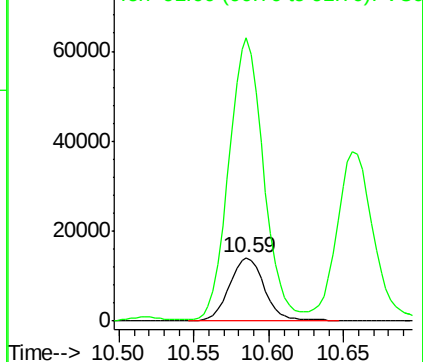
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 2.225 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU031208.D

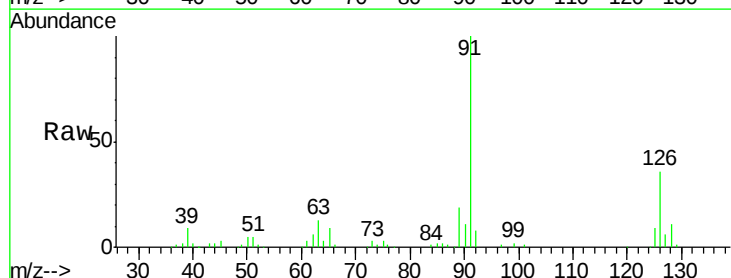
Acq: 16 Apr 2019 12:12

Tgt Ion:126 Resp: 21498

Ion Ratio Lower Upper

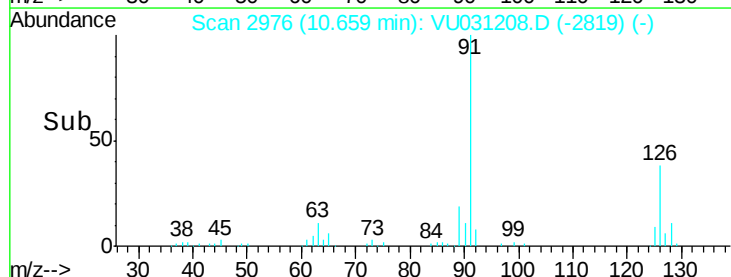
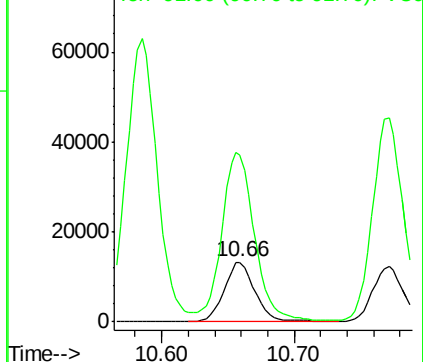
126 100

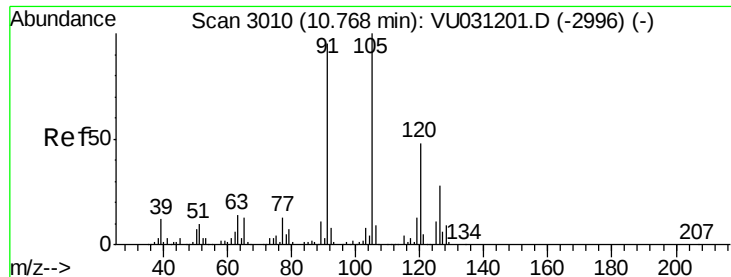
91 292.2 0.0 612.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 2.103 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampled :

VU0416WBS01

Tot Ion:105 Resp: 69840

Ion Ratio Lower Upper

105 100

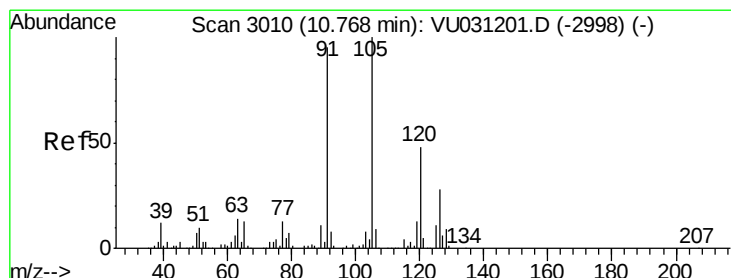
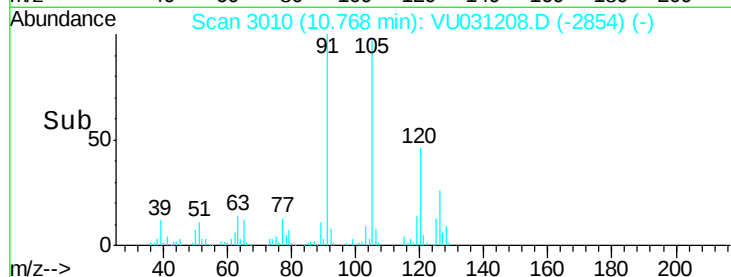
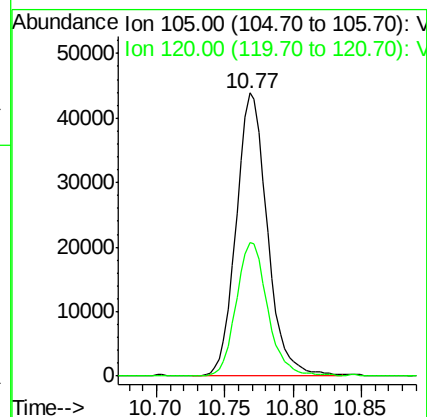
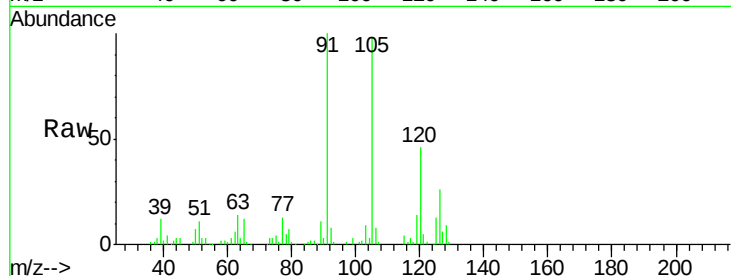
120 47.7 38.7 58.1

Manual Integrations

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MMDadoda

4/17/2019 9:15:16 AM



#76

4-Chlorotoluene

Concen: 2.143 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU031208.D

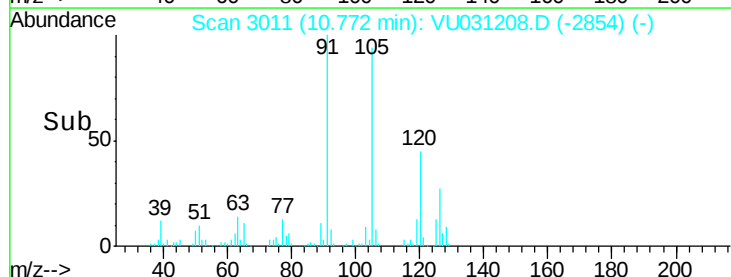
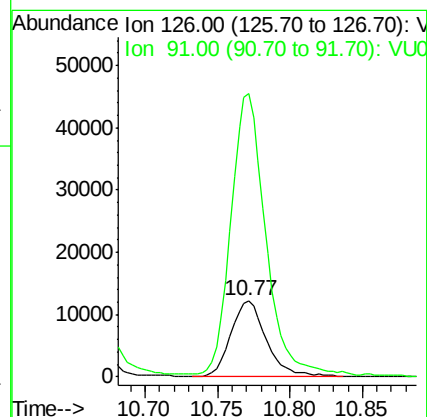
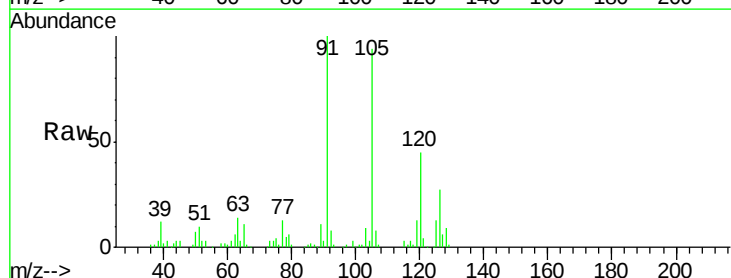
Acq: 16 Apr 2019 12:12

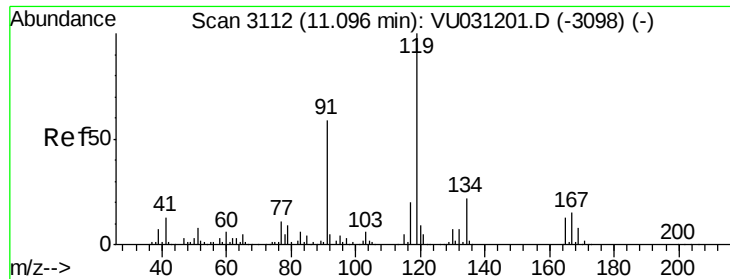
Tgt Ion:126 Resp: 20864

Ion Ratio Lower Upper

126 100

91 356.3 0.0 683.8





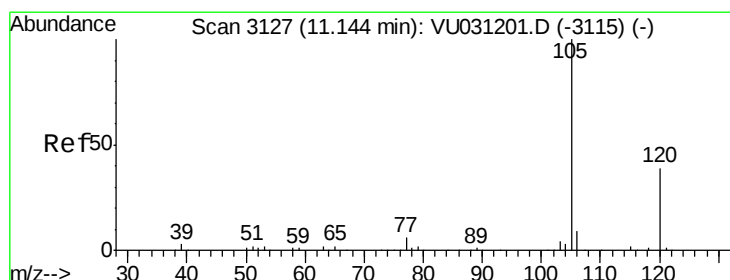
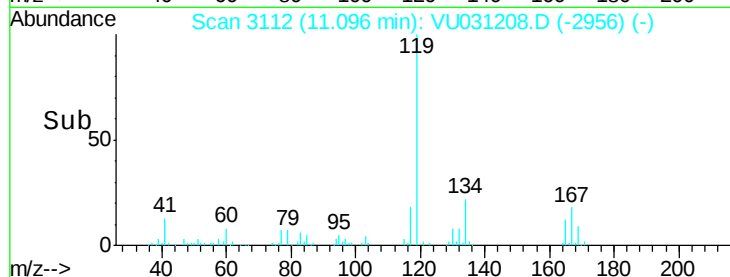
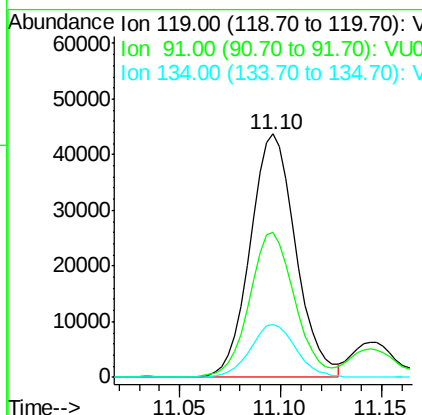
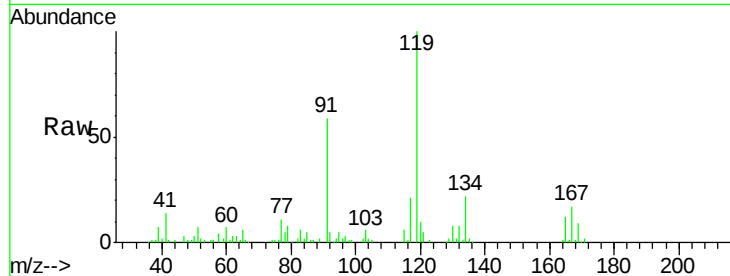
#77
tert-Butylbenzene
Concen: 2.130 ug/l
RT: 11.10 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Instrument :
MSVOA_U
ClientSampleId :
VU0416WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	69188		
91	59.3	29.4	88.3	
134	21.9	17.9	26.9	

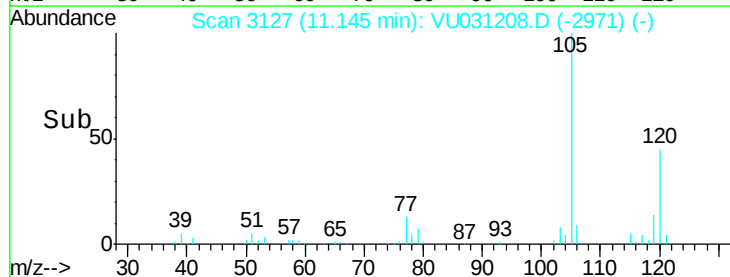
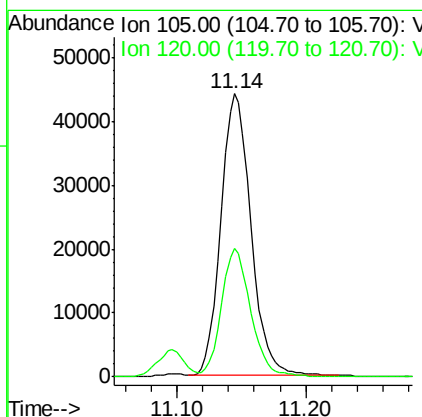
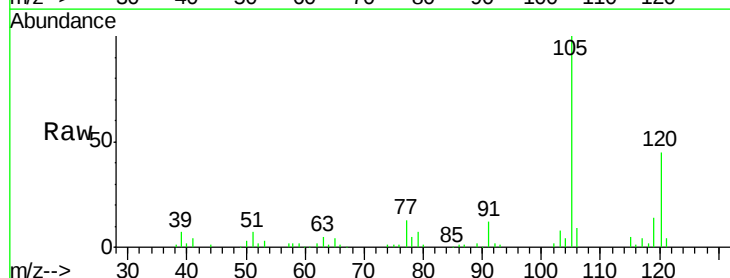
Manual Integrations
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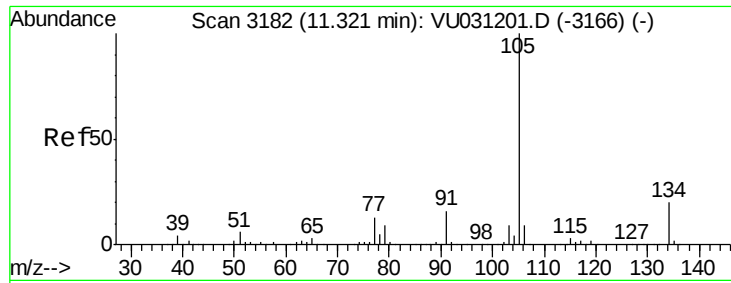
MMDadoda
4/17/2019 9:15:16 AM



#78
1,2,4-Trimethylbenzene
Concen: 2.131 ug/l
RT: 11.14 min Scan# 3127
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	71321		
120	44.6	22.4	67.0	





#79

sec-Butylbenzene

Concen: 2.168 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

Instrument :

MSVOA_U

ClientSampleId :

VU0416WBS01

Tot Ion: 105 Resp: 94780

Ion Ratio Lower Upper

105 100

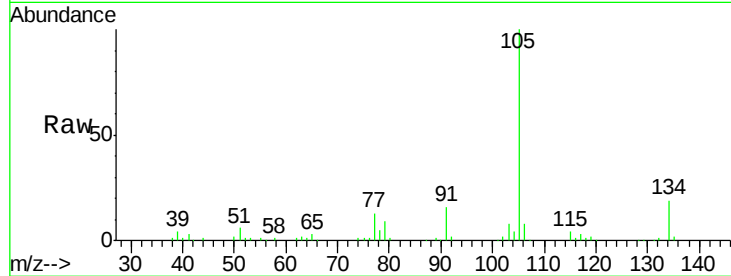
134 18.8 15.5 23.3

Manual Integrations

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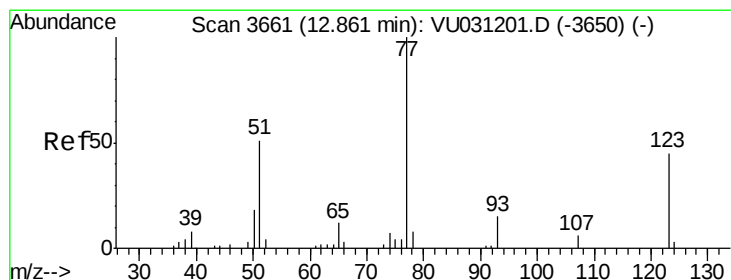
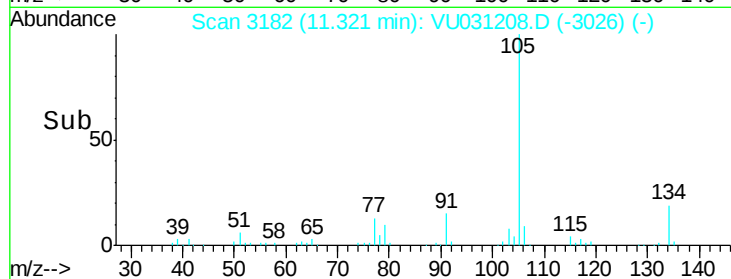
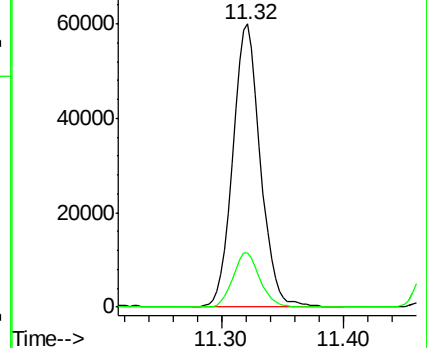
MMDadoda

4/17/2019 9:15:16 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 9.552 ug/l m

RT: 12.87 min Scan# 3665

Delta R.T. 0.01 min

Lab File: VU031208.D

Acq: 16 Apr 2019 12:12

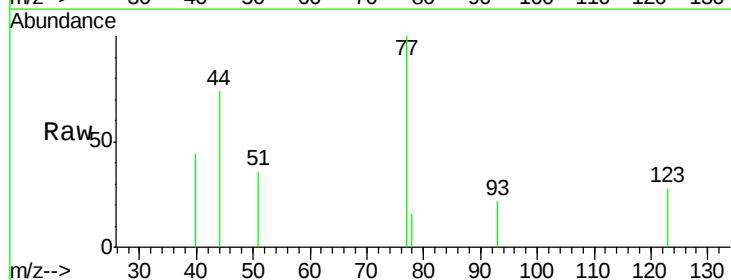
Tgt Ion: 77 Resp: 2143

Ion Ratio Lower Upper

77 100

123 26.3 17.1 60.7

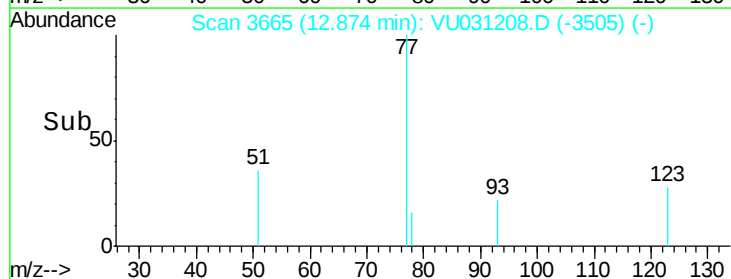
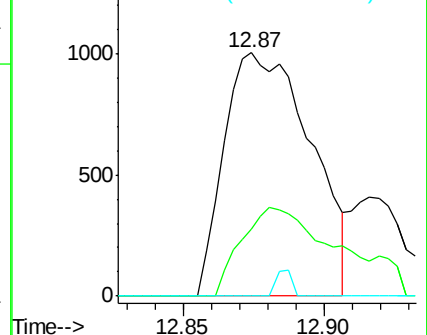
65 1.9 9.4 12.0#

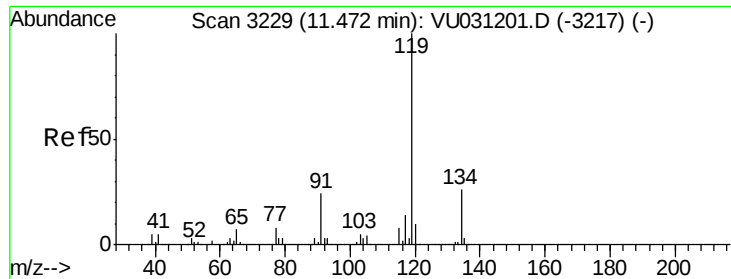


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





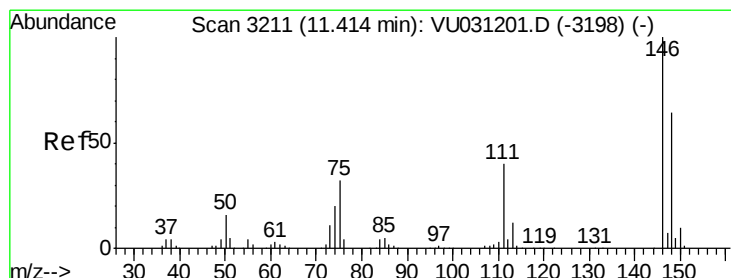
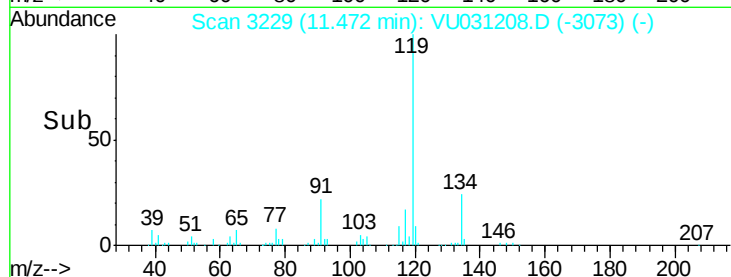
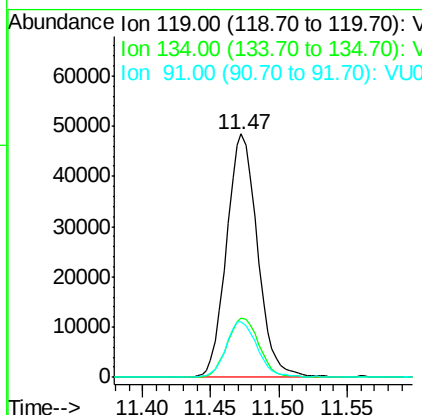
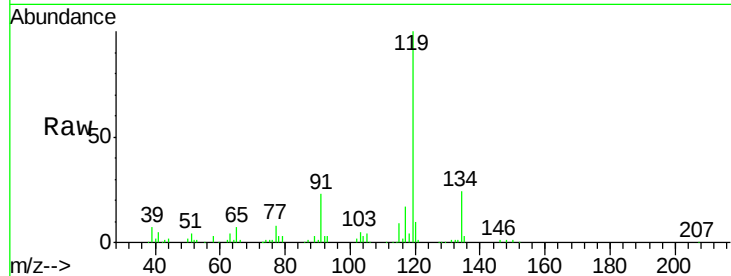
#81
 p-Isopropyltoluene
 Concen: 2.181 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU031208.D
 Acq: 16 Apr 2019 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0416WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	21.0	31.4
91	23.3	19.4	29.2

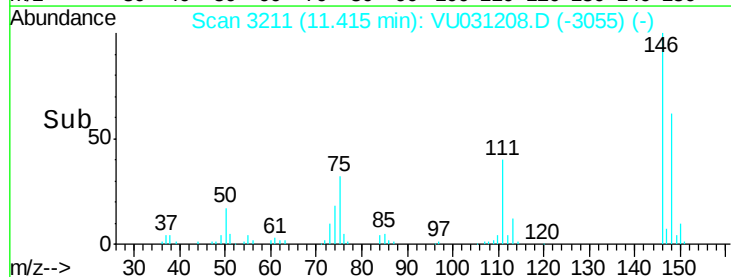
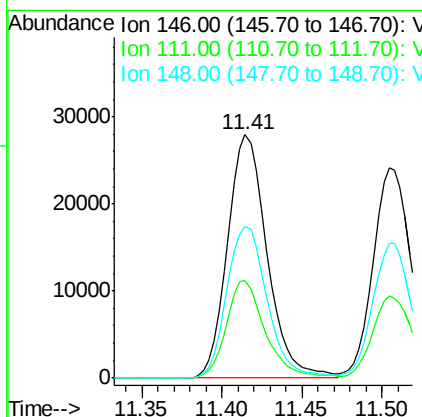
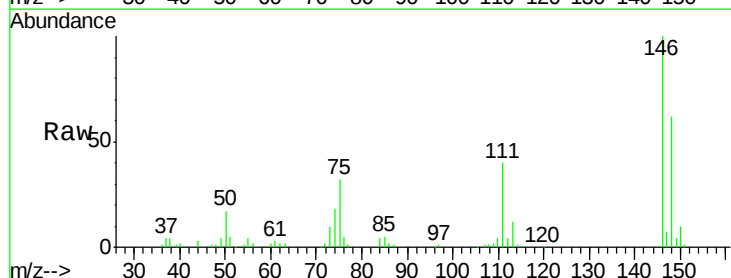
Manual Integrations
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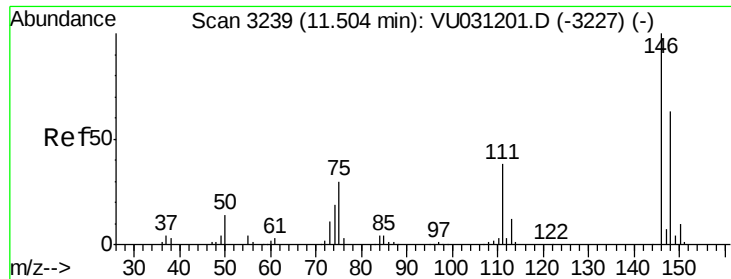
MMDadoda
 4/17/2019 9:15:16 AM



#82
 1,3-Dichlorobenzene
 Concen: 2.293 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU031208.D
 Acq: 16 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	32.4	48.6
148	63.9	50.8	76.2





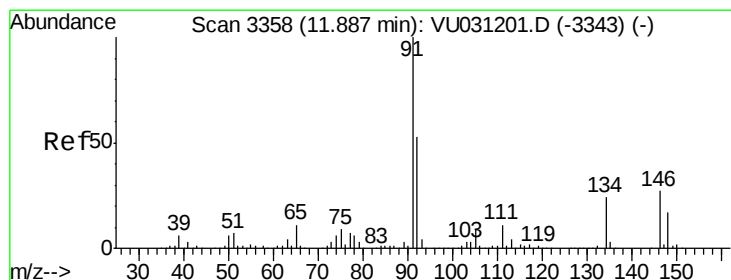
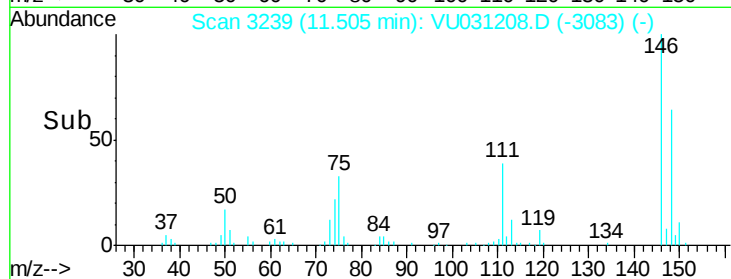
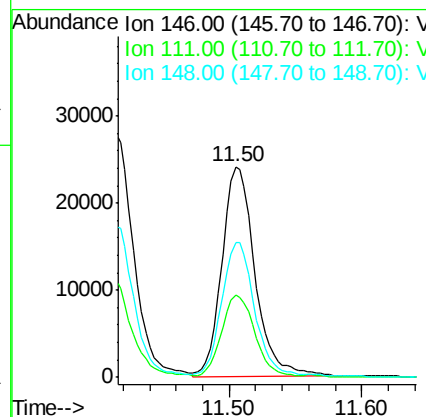
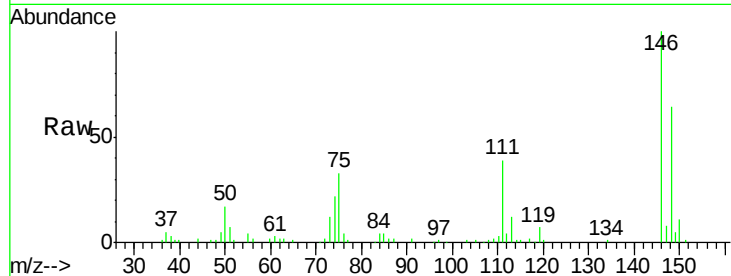
#83
 1,4-Dichlorobenzene
 Concen: 2.099 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU031208.D
 Acq: 16 Apr 2019 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0416WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	30.6	46.0
148	61.6	51.1	76.7

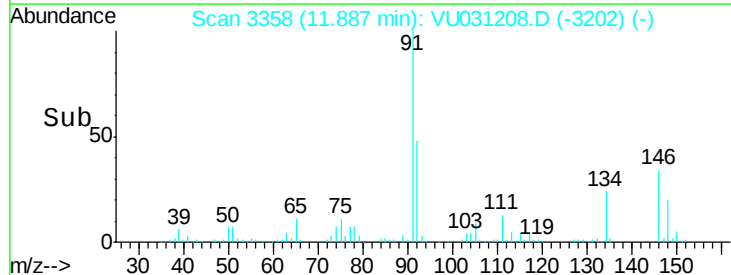
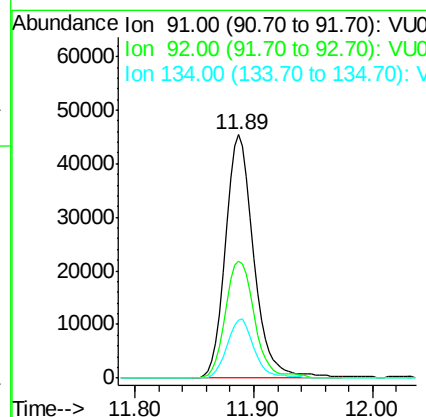
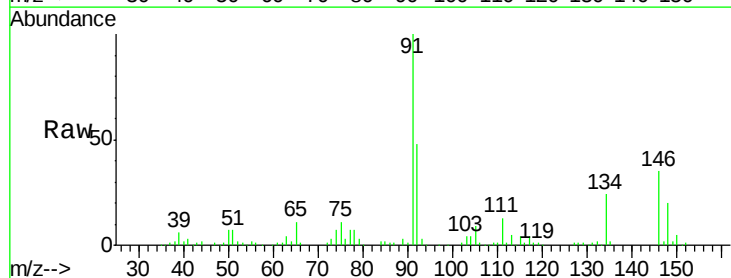
Manual Integrations
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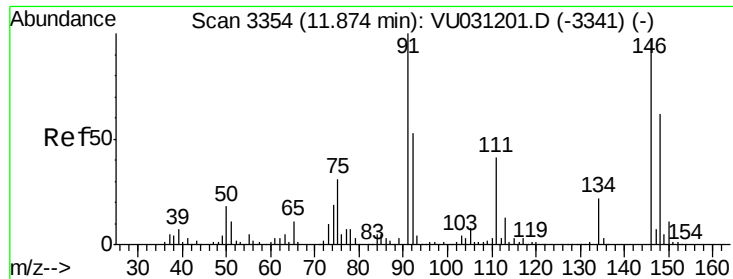
MMDadoda
 4/17/2019 9:15:16 AM



#84
 n-Butylbenzene
 Concen: 2.211 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU031208.D
 Acq: 16 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.7	42.6	63.8
134	23.2	19.1	28.7





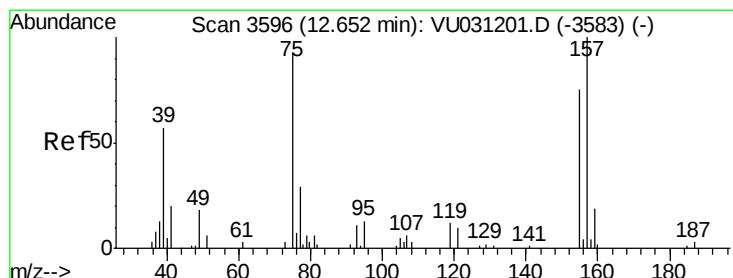
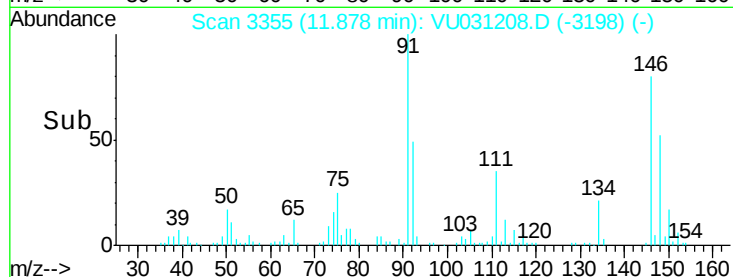
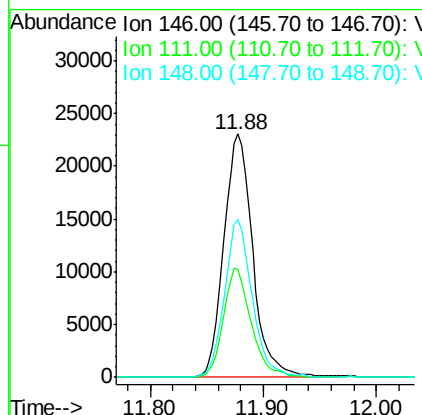
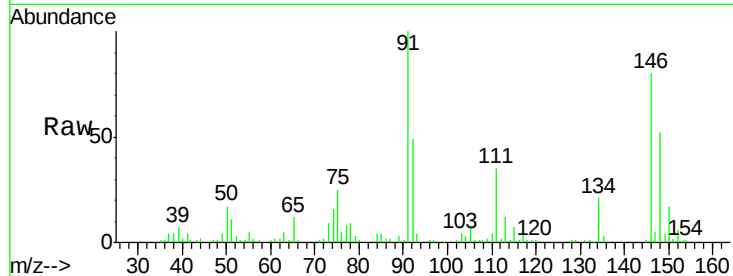
#85
 1,2-Dichlorobenzene
 Concen: 2.142 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU031208.D
 Acq: 16 Apr 2019 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0416WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.8	62.5
148	61.8	31.4	94.3

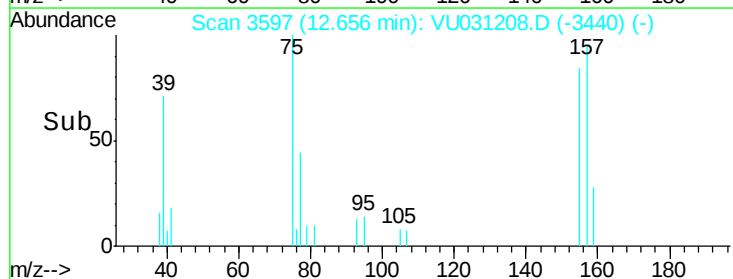
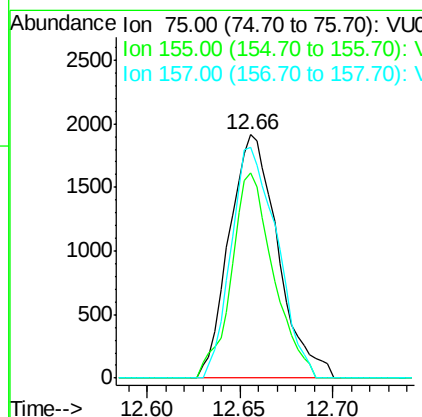
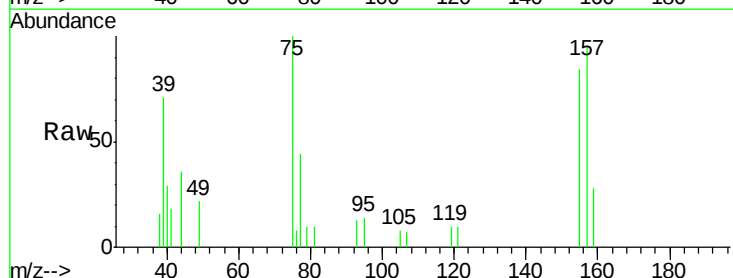
Manual Integrations
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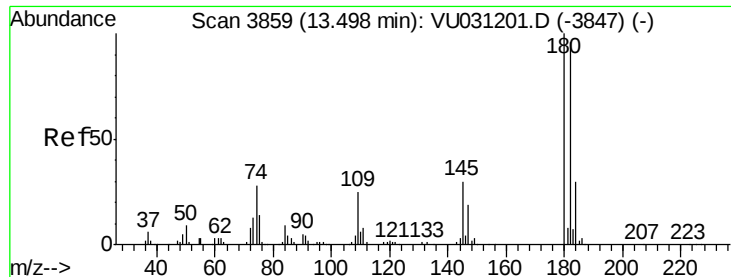
MMDadoda
 4/17/2019 9:15:16 AM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 2.351 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU031208.D
 Acq: 16 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.7	61.7	92.5
157	89.4	81.3	121.9





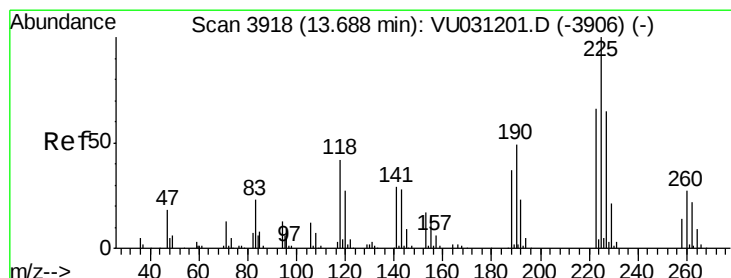
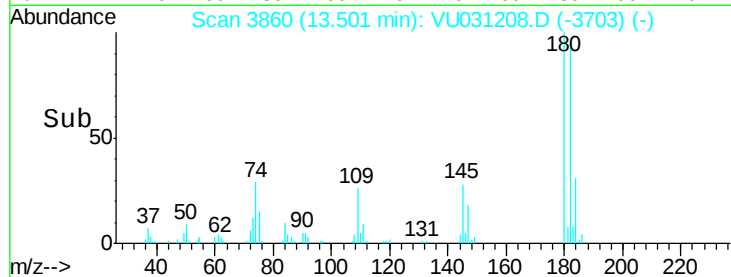
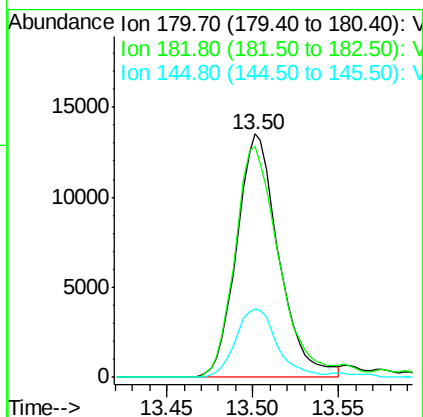
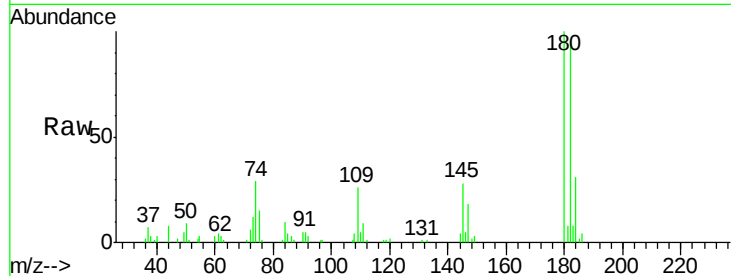
#87
 1,2,4-Trichlorobenzene
 Concen: 1.954 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU031208.D
 Acq: 16 Apr 2019 12:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0416WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.7	75.0	112.6
145	27.7	23.4	35.2

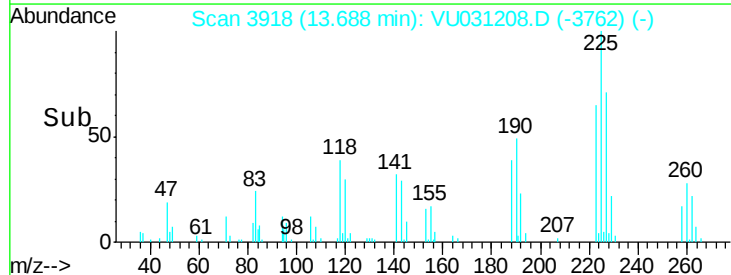
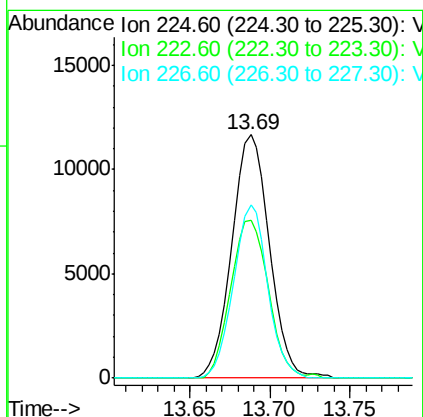
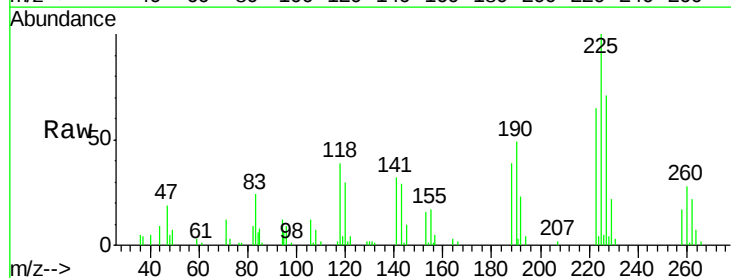
Manual Integrations
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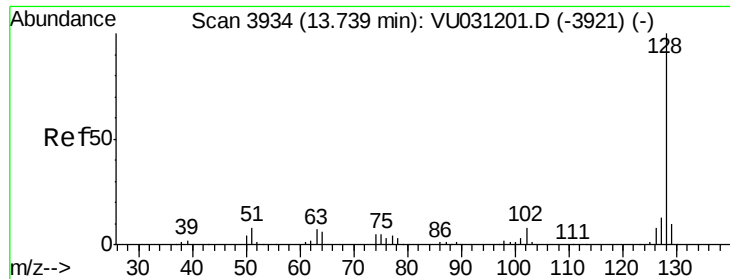
MMDadoda
 4/17/2019 9:15:16 AM



#88
 Hexachlorobutadiene
 Concen: 2.379 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU031208.D
 Acq: 16 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	51.4	77.2
227	64.4	51.2	76.8





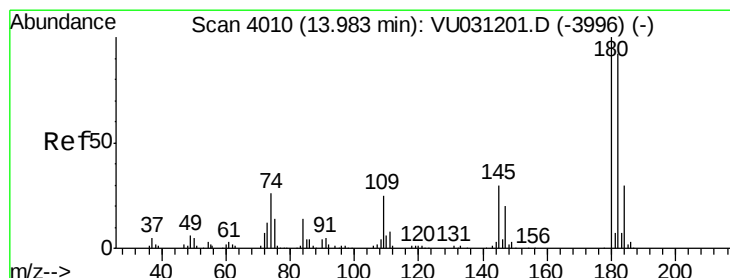
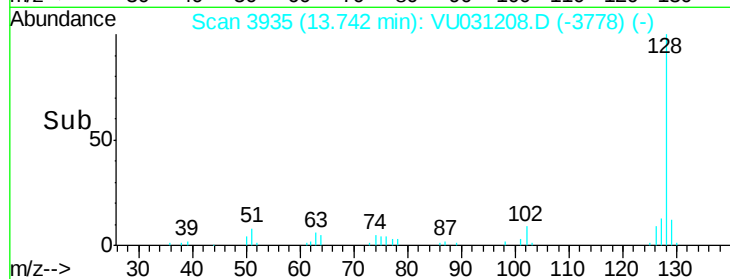
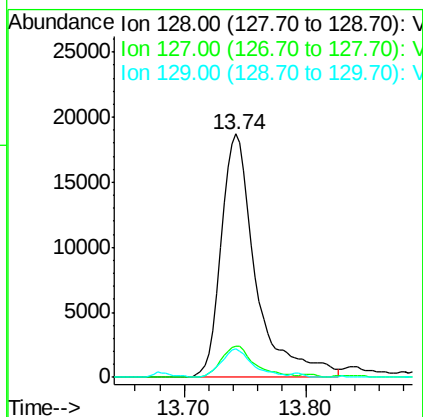
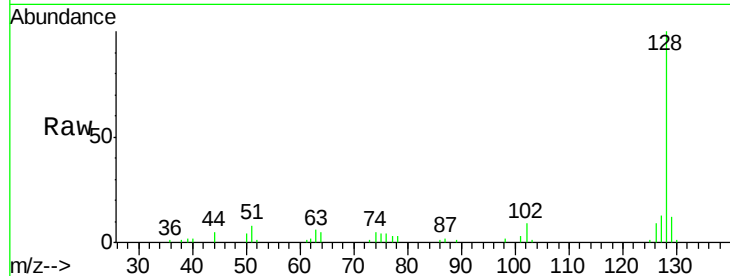
#89
Naphthalene
Concen: 1.985 ug/l
RT: 13.74 min Scan# 3935
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Instrument :
MSVOA_U
ClientSampleId :
VU0416WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	11.0	16.4
129	10.6	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
4/17/2019 9:15:16 AM



#90
1,2,3-Trichlorobenzene
Concen: 2.259 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU031208.D
Acq: 16 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.9	76.4	114.6
145	30.3	25.3	37.9

