

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042619\
 Data File : VU031517.D
 Acq On : 26 Apr 2019 01:37
 Operator : JC/SP
 Sample : VU0426WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0426WBSD01

Manual Integrations
 APPROVED

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 4/26/2019 12:23:17 PM

Quant Time: Apr 26 05:59:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U042619DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 26 04:42:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	71878	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	23980	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	25089	1.07	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	64063	1.974	ug/l	98
3) Chloromethane	1.32	50	76414	1.974	ug/l	99
4) Vinyl Chloride	1.40	62	70860	1.922	ug/l	97
5) Bromomethane	1.63	94	37584	2.104	ug/l	97
6) Chloroethane	1.70	64	40626	1.992	ug/l	95
7) Trichlorofluoromethane	1.88	101	84745	2.018	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	40159	1.940	ug/l	96
9) 1,1-Dichloroethene	2.28	96	41041	1.994	ug/l	98
10) Iodomethane	2.41	142	35614	1.573	ug/l	99
11) Allyl Chloride	2.59	41	86305	1.914	ug/l	93
12) Acrylonitrile	2.94	53	25190	4.040	ug/l	92
13) Acetone	2.33	43	53924	9.491	ug/l	100
14) Carbon Disulfide	2.47	76	157657	1.996	ug/l	98
15) Methylene Chloride	2.70	84	50250	1.926	ug/l	96
16) trans-1,2-Dichloroethene	2.98	96	45786	1.988	ug/l	98
17) 1,1-Dichloroethane	3.44	63	93711	1.952	ug/l	97
18) 2-Butanone	4.28	43	74214	9.997	ug/l	94
19) Cyclohexane	4.99	56	68951m	1.866	ug/l	
20) Methylcyclohexane	6.41	83	54997	1.854	ug/l	98
21) 2,2-Dichloropropane	4.22	77	57871	1.650	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	45727	1.857	ug/l	95
23) Diethyl Ether	2.10	59	38542	1.954	ug/l	99
24) tert-Butyl Alcohol	2.85	59	41650	20.361	ug/l #	89
25) Methyl tert-Butyl Ether	3.00	73	121071	2.020	ug/l	98
26) Bromochloromethane	4.54	128	20230	1.944	ug/l	95
27) Chloroform	4.67	83	87387	1.964	ug/l	97
28) 1,1,1-Trichloroethane	4.91	97	71976	1.920	ug/l	98
29) 1,1-Dichloropropene	5.13	75	59338	1.955	ug/l	99
30) Carbon Tetrachloride	5.13	117	64348	2.015	ug/l	97
31) Isopropyl Ether	3.57	45	140591	1.955	ug/l	97
32) Ethyl-t-butyl ether	4.06	59	112107	1.921	ug/l	98
33) Tert-Amyl methyl ether	5.57	73	88110	1.898	ug/l	98
34) Propionitrile	4.34	54	20803	10.447	ug/l #	97
35) Benzene	5.39	78	185434	1.997	ug/l	97
36) 1,2-Dichloroethane	5.40	62	61687	2.039	ug/l	97
37) Trichloroethene	6.18	130	42792	1.884	ug/l	95
38) 1,2-Dichloropropane	6.43	63	51192	1.951	ug/l	98
39) Methacrylonitrile	4.55	41	16988	2.033	ug/l	97
40) Methyl acrylate	4.43	55	20322	1.849	ug/l #	93
41) Tetrahydrofuran	4.65	42	18758	4.098	ug/l	99
42) 1-Chlorobutane	5.06	56	86658	1.882	ug/l	95

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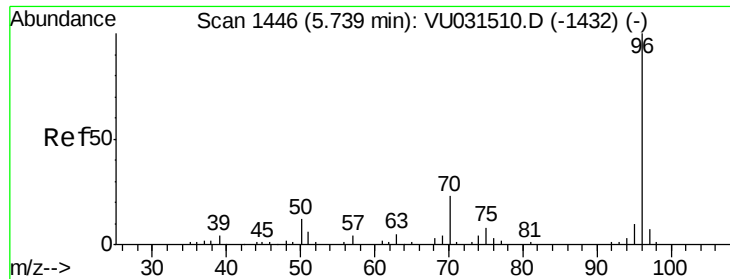
Manual Integrations
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 4/26/2019 12:23:17 PM

Quant Time: Apr 26 05:59:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U042619DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 26 04:42:12 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	25412	1.971	ug/l	95
44) Bromodichloromethane	6.75	83	62996	1.967	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	150454	9.751	ug/l	98
46) t-1,4-Dichloro-2-butene	10.52	75	16800m	3.548	ug/l	
47) Methyl methacrylate	6.63	69	37559	3.771	ug/l	97
48) Ethyl methacrylate	8.02	69	33545	1.935	ug/l	100
49) Toluene	7.63	92	92217	1.911	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	46154	1.829	ug/l	96
51) cis-1,3-Dichloropropene	7.27	75	55123	1.793	ug/l	94
52) 1,1,2-Trichloroethane	8.06	97	34249	2.036	ug/l	95
53) 1,3-Dichloropropane	8.24	76	59701	2.023	ug/l	99
54) 2-Hexanone	8.37	43	100774	9.687	ug/l	94
55) Dibromochloromethane	8.48	129	37912	1.998	ug/l	98
56) 1,2-Dibromoethane	8.59	107	29774	1.978	ug/l	96
58) Tetrachloroethene	8.22	164	43021	1.964	ug/l	99
59) Chlorobenzene	9.12	112	98595	1.947	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.21	131	37564	1.902	ug/l	97
61) Pentachloroethane	11.10	117	26941	1.925	ug/l	93
62) Hexachloroethane	12.14	117	28009	2.032	ug/l	95
63) Ethyl Benzene	9.25	91	153417	1.850	ug/l	99
64) m/p-Xylenes	9.37	106	113115	3.646	ug/l	96
65) o-Xylene	9.78	106	55509	1.841	ug/l	95
66) Styrene	9.79	104	93479	1.833	ug/l	97
67) Bromoform	9.96	173	20395	1.921	ug/l	96
69) Isopropylbenzene	10.16	105	153501	1.944	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.46	83	43515	2.009	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	34092m	2.160	ug/l	
72) Bromobenzene	10.45	156	39982	1.997	ug/l	96
73) n-propylbenzene	10.58	120	38269	1.873	ug/l	91
74) 2-Chlorotoluene	10.66	126	37267	1.914	ug/l	94
75) 1,3,5-Trimethylbenzene	10.77	105	128103	1.832	ug/l	98
76) 4-Chlorotoluene	10.77	126	39288	1.938	ug/l	99
77) tert-Butylbenzene	11.10	119	121696	1.929	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	128139	1.810	ug/l	97
79) sec-Butylbenzene	11.32	105	171457	1.992	ug/l	98
80) Nitrobenzene	12.89	77	2656m	5.095	ug/l	
81) p-Isopropyltoluene	11.47	119	125986	1.823	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	79680	2.012	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	76736	2.018	ug/l	97
84) n-Butylbenzene	11.89	91	122363	1.863	ug/l	97
85) 1,2-Dichlorobenzene	11.88	146	72937	1.938	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.65	75	6331	2.031	ug/l	99
87) 1,2,4-Trichlorobenzene	13.50	180	36929	1.929	ug/l	97
88) Hexachlorobutadiene	13.69	225	27219	1.968	ug/l	98
89) Naphthalene	13.74	128	58990	1.916	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	37767	1.934	ug/l	98

(#) = 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: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

Tot Ion: 96 Resp: 71878

Ion Ratio Lower Upper

96 100

70 22.3 18.2 27.2

95 9.3 7.7 11.5

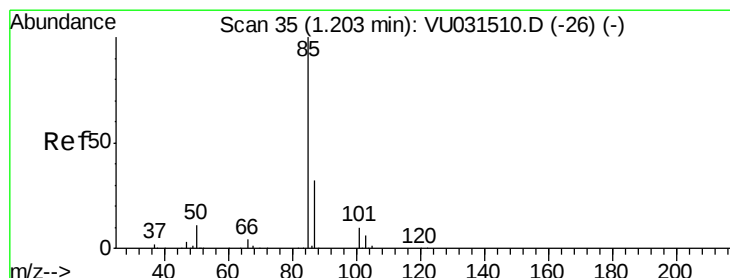
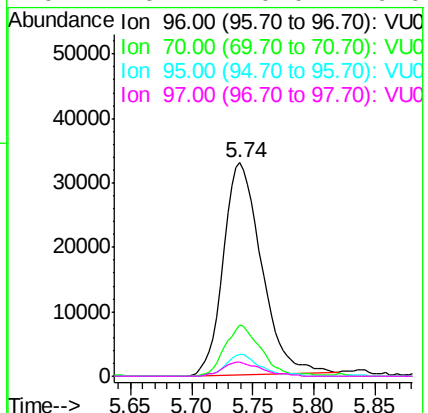
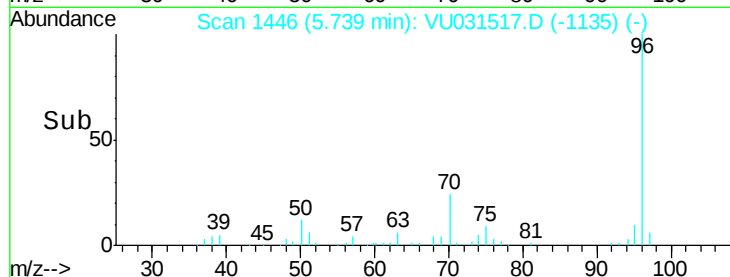
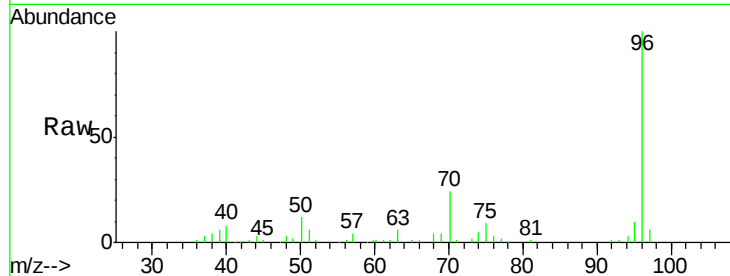
97 6.7 0.0 0.0#

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#2

Dichlorodifluoromethane

Concen: 1.974 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031517.D

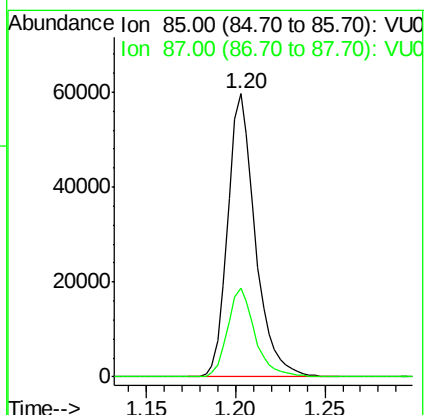
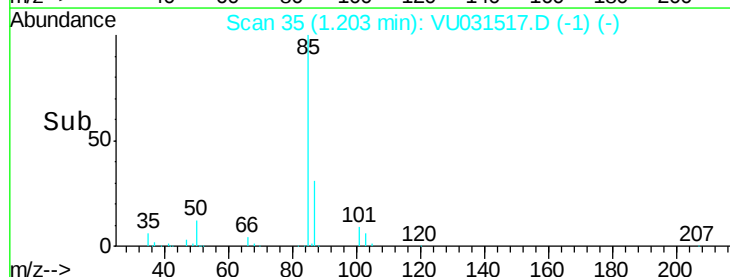
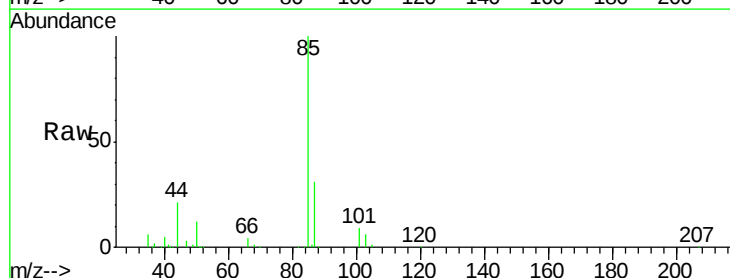
Acq: 26 Apr 2019 01:37

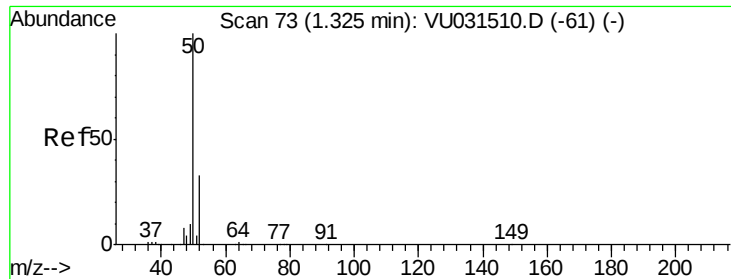
Tgt Ion: 85 Resp: 64063

Ion Ratio Lower Upper

85 100

87 31.2 16.1 48.2





#3

Chloromethane

Concen: 1.974 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

Tot Ion: 50 Resp: 76414

Ion Ratio Lower Upper

50 100

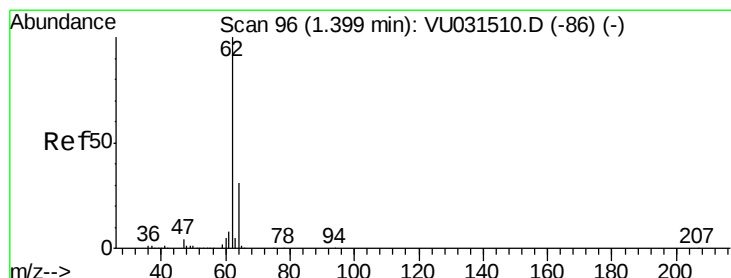
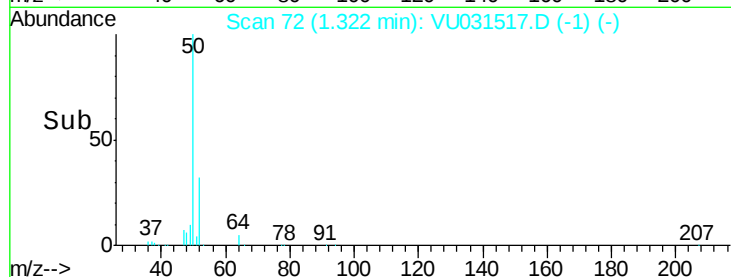
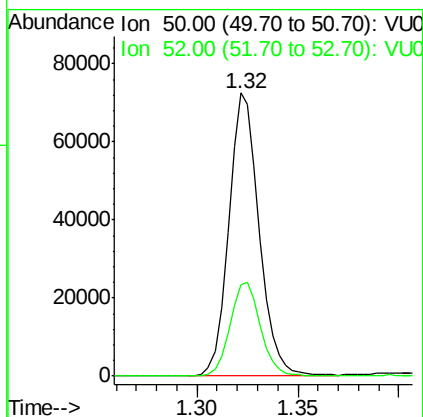
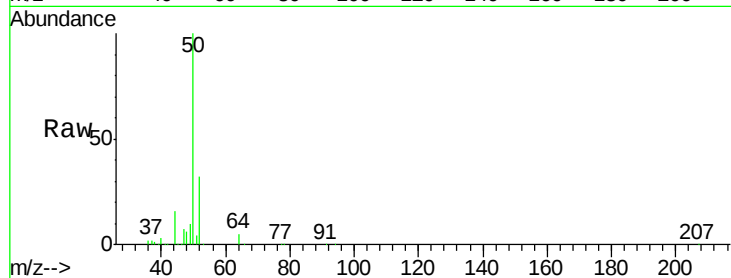
52 32.3 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 1.922 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031517.D

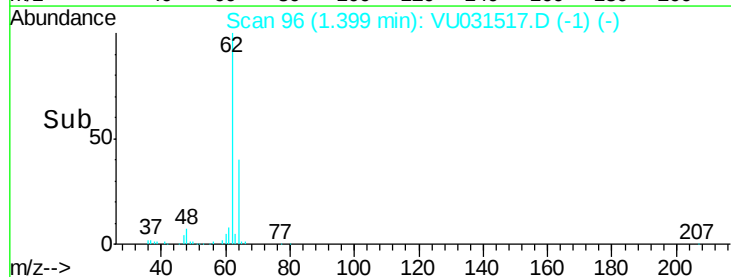
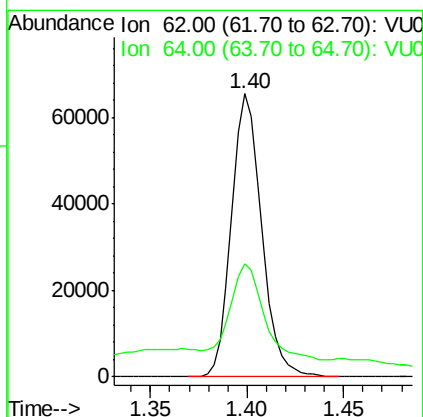
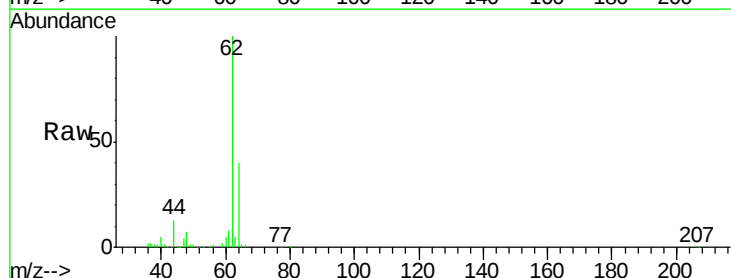
Acq: 26 Apr 2019 01:37

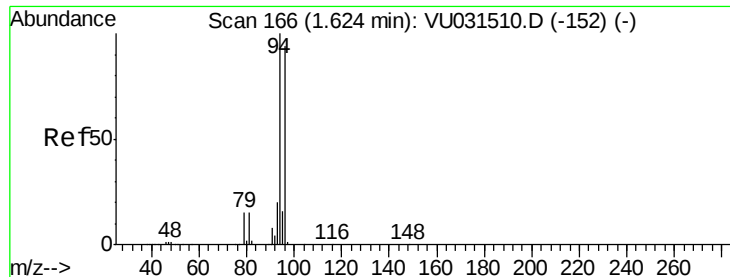
Tgt Ion: 62 Resp: 70860

Ion Ratio Lower Upper

62 100

64 33.5 25.5 38.3





#5

Bromomethane

Concen: 2.104 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

Tot Ion: 94 Resp: 37584

Ion Ratio Lower Upper

94 100

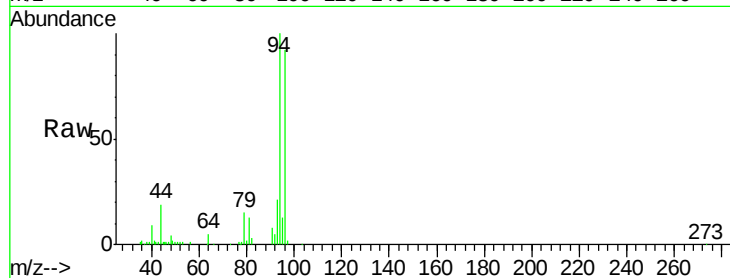
96 92.0 75.5 113.3

Manual Integrations

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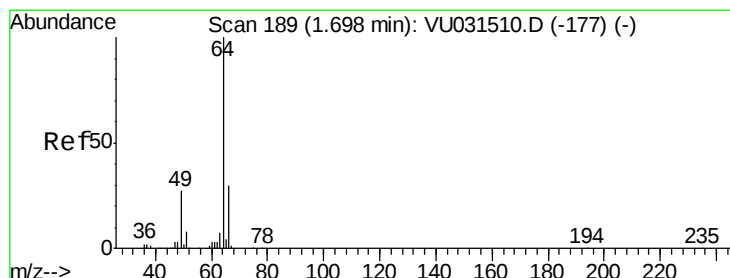
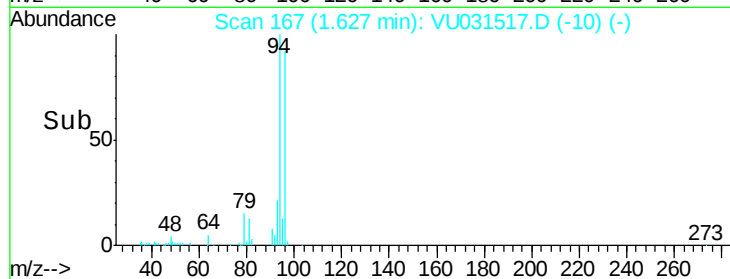
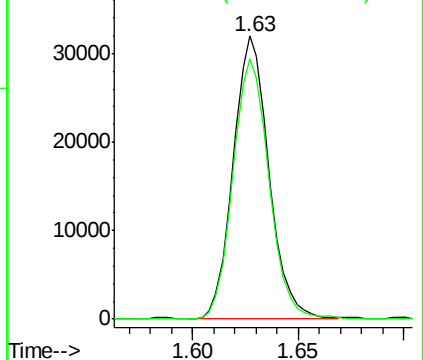
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 1.992 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031517.D

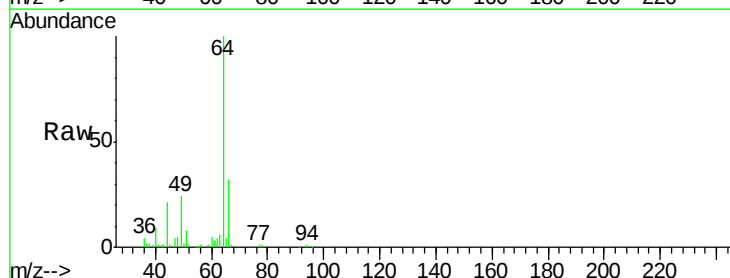
Acq: 26 Apr 2019 01:37

Tgt Ion: 64 Resp: 40626

Ion Ratio Lower Upper

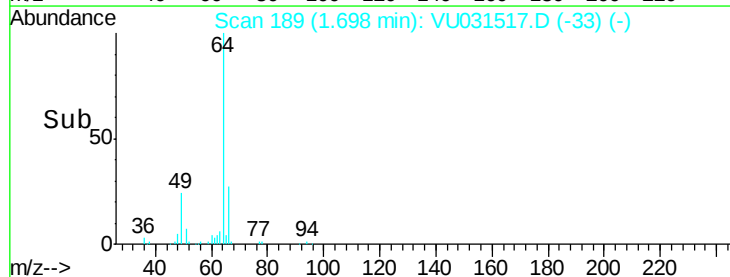
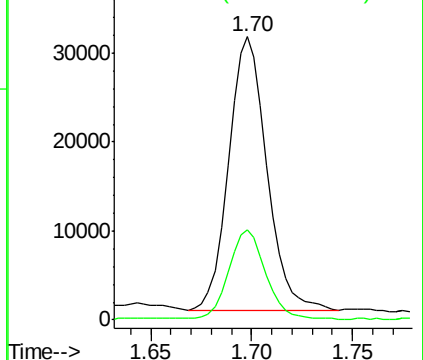
64 100

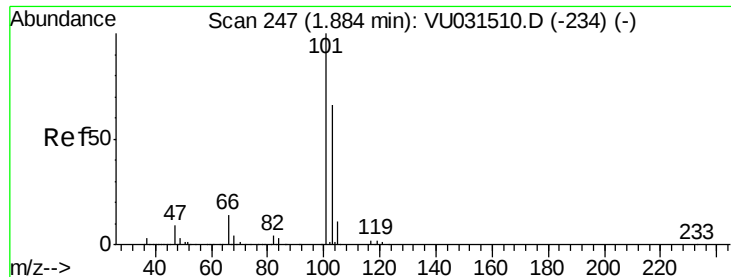
66 33.1 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

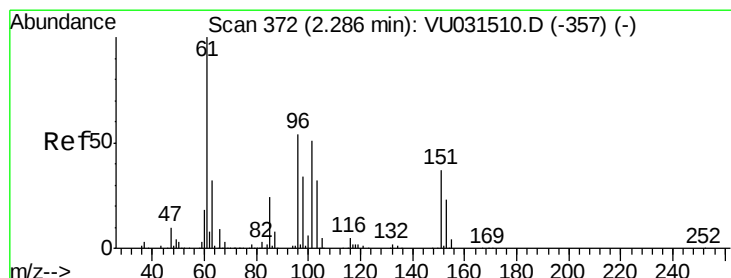
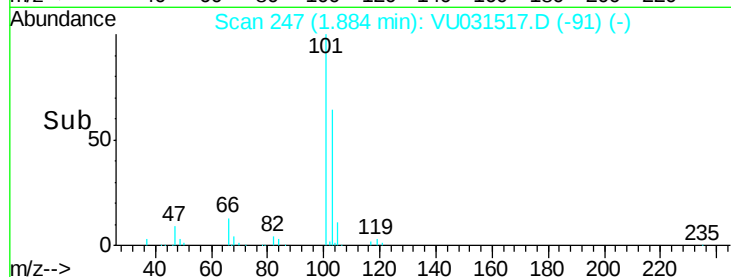
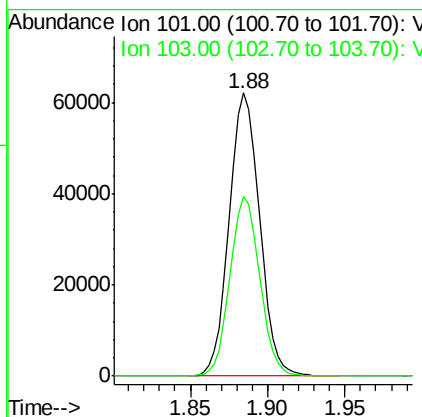
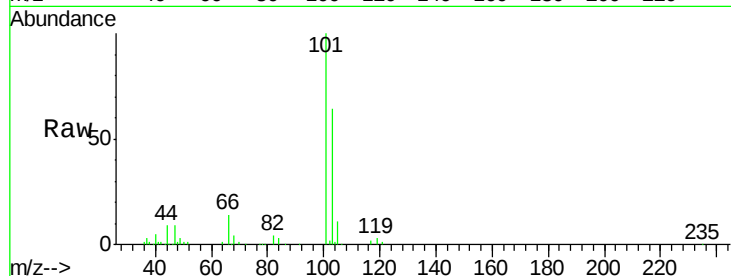
Trichlorofluoromethane
Concen: 2.018 ug/l
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Instrument :
MSVOA_U
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VU0426WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	84745		
103	63.7	52.8	79.2	

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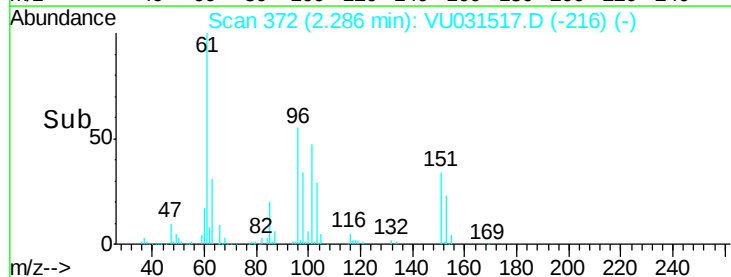
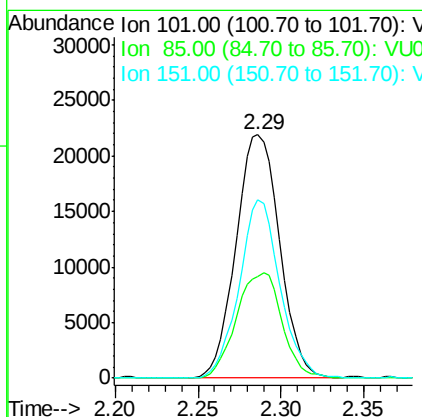
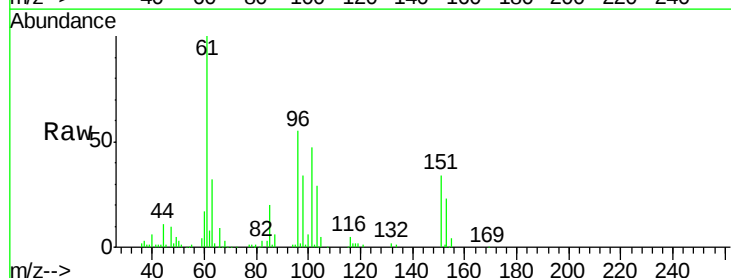
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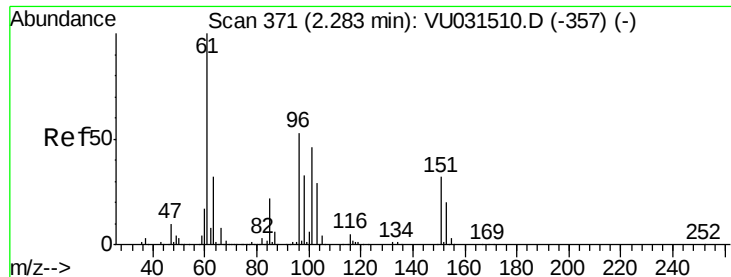


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.940 ug/l
RT: 2.29 min Scan# 372
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	40159		
85	44.9	37.8	56.6	
151	68.4	57.4	86.0	





#9

1,1-Dichloroethene

Concen: 1.994 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

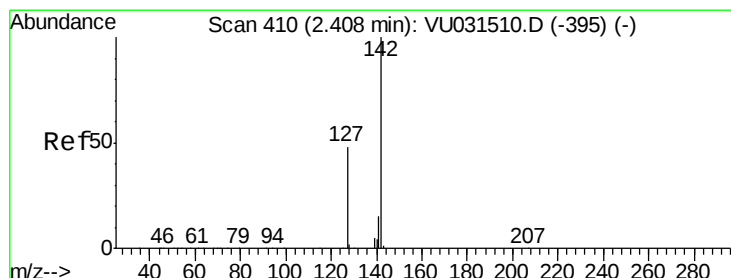
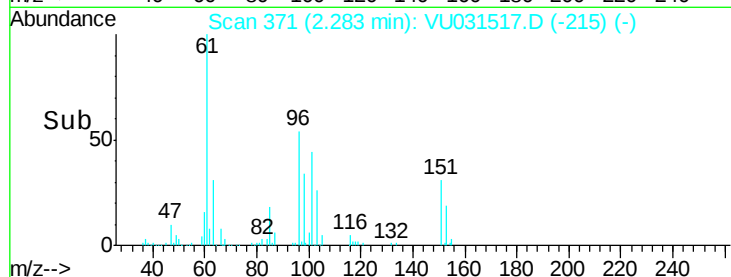
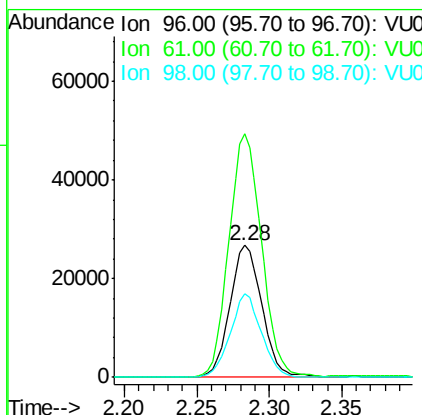
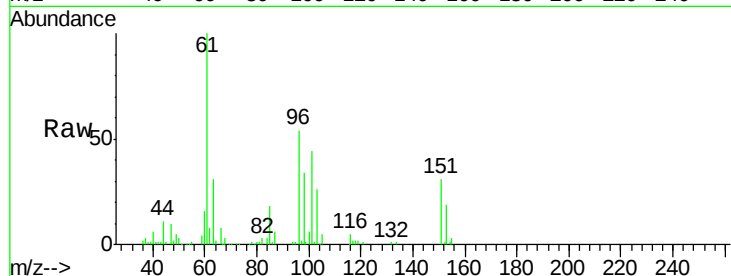
ClientSampleId :

VU0426WBSD01

Tot Ion:	96	Resp:	41041
Ion	Ratio	Lower	Upper
96	100		
61	184.8	0.0	566.7
98	63.7	0.0	126.4

Manual Integrations
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#10

Iodomethane

Concen: 1.573 ug/l

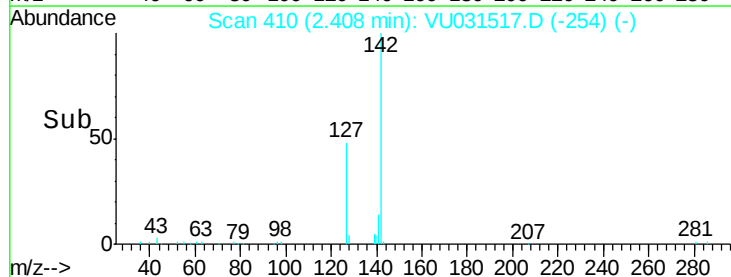
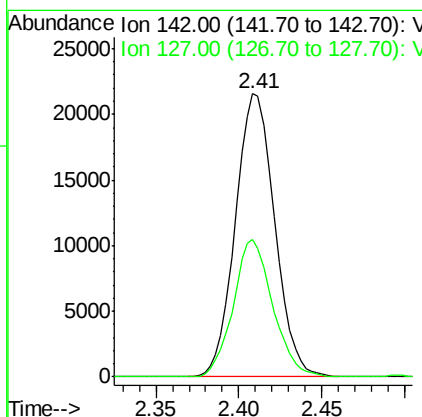
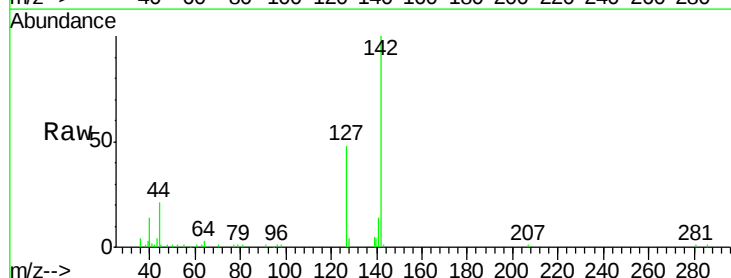
RT: 2.41 min Scan# 410

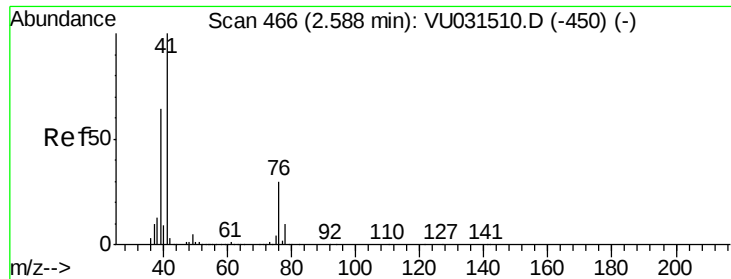
Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Tgt Ion:	142	Resp:	35614
Ion	Ratio	Lower	Upper
142	100		
127	48.4	38.2	57.2





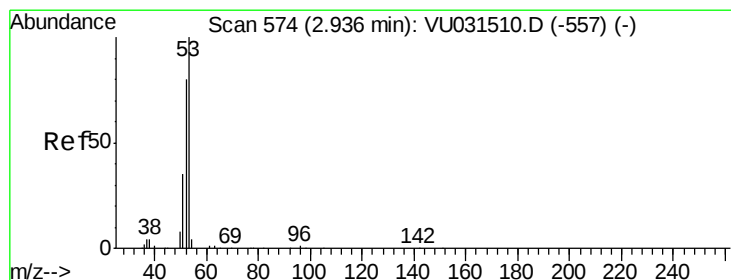
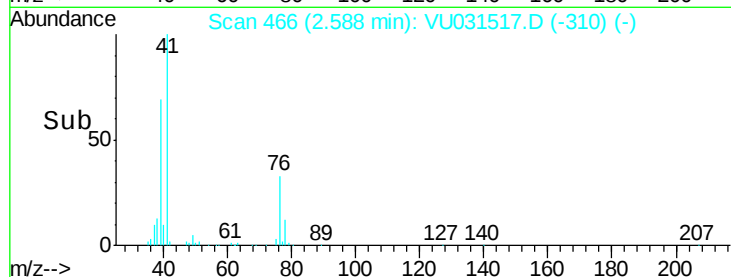
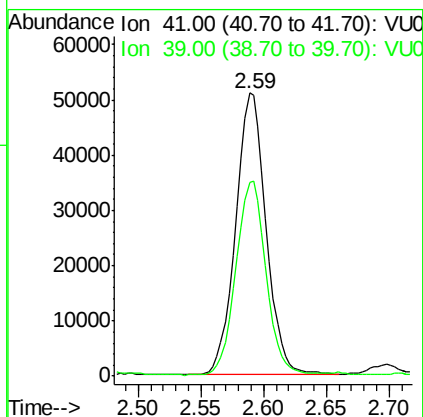
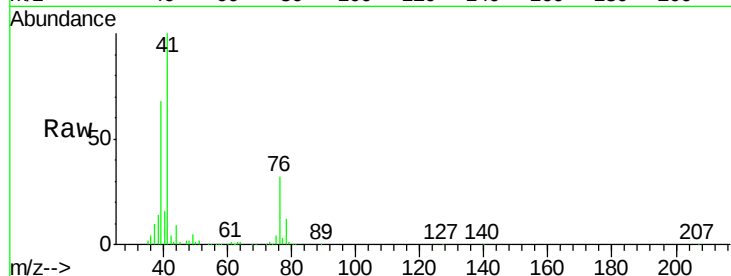
#11
Allvl Chloride
Concen: 1.914 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Instrument :
MSVOA_U
ClientSampleId :
VU0426WBSD01

Tot Ion: 41 Resp: 86305
Ion Ratio Lower Upper
41 100
39 69.5 51.4 77.0

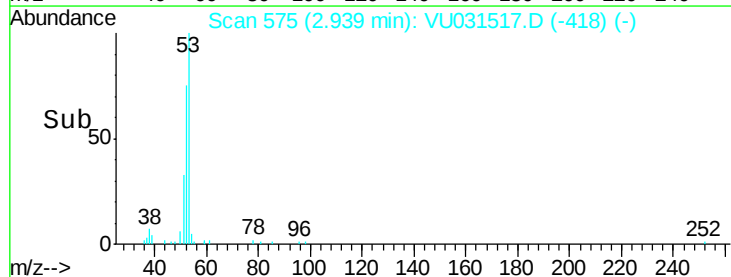
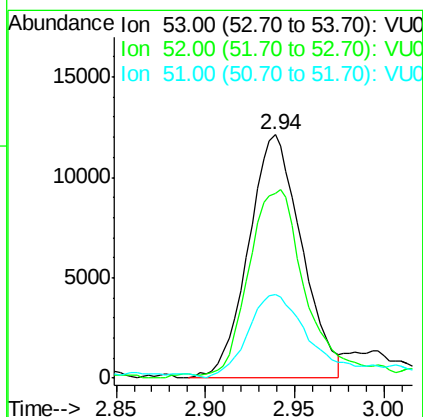
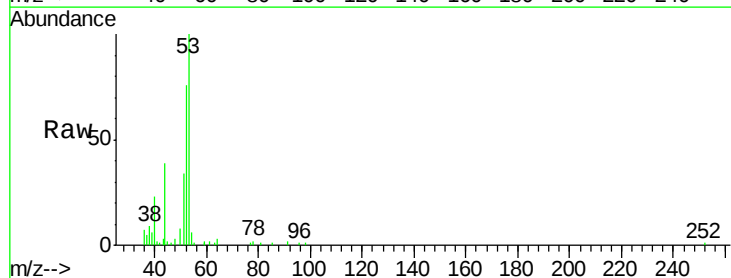
Manual Integrations
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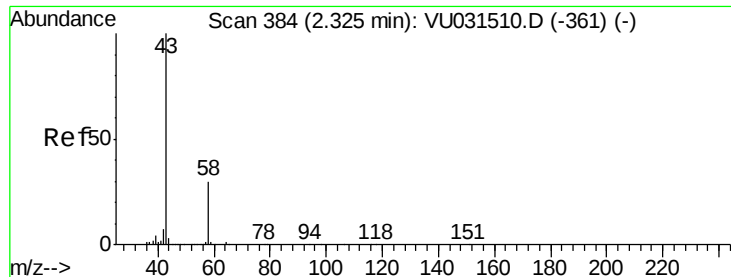
MMdadoda
4/26/2019 12:23:17 PM



#12
Acrylonitrile
Concen: 4.040 ug/l
RT: 2.94 min Scan# 575
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tgt Ion: 53 Resp: 25190
Ion Ratio Lower Upper
53 100
52 79.0 69.4 104.0
51 39.5 27.5 41.3





#13

Acetone

Concen: 9.491 ug/l

RT: 2.33 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

Tot Ion: 43 Resp: 53924

Ion Ratio Lower Upper

43 100

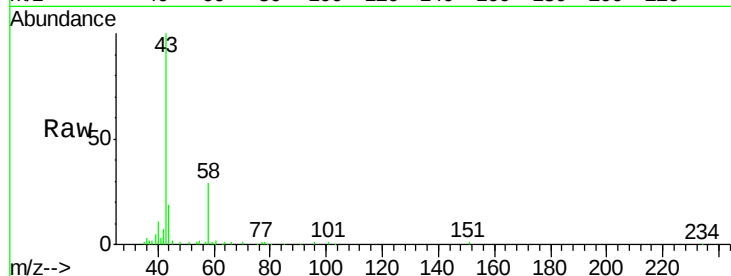
58 29.8 24.1 36.1

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Abundance Ion 43.00 (42.70 to 43.70): VU031517.D (-228) (-)

Ion 58.00 (57.70 to 58.70): VU031517.D (-228) (-)

2.33

30000

25000

20000

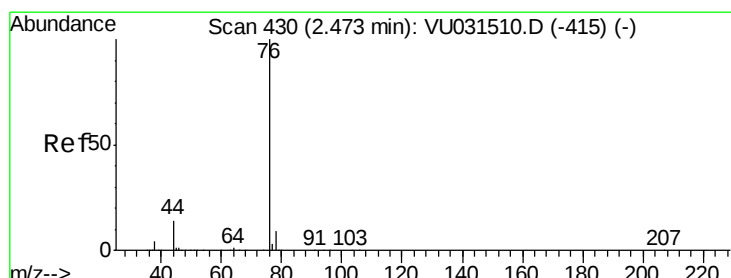
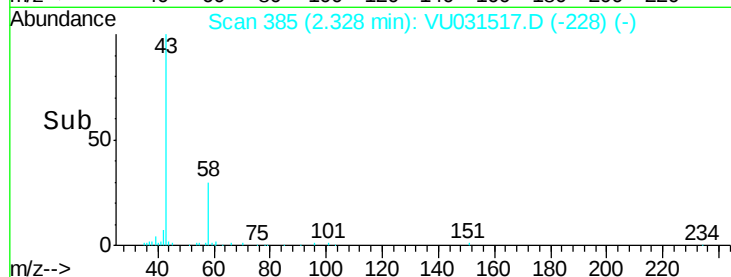
15000

10000

5000

0

Time-->



#14

Carbon Disulfide

Concen: 1.996 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031517.D

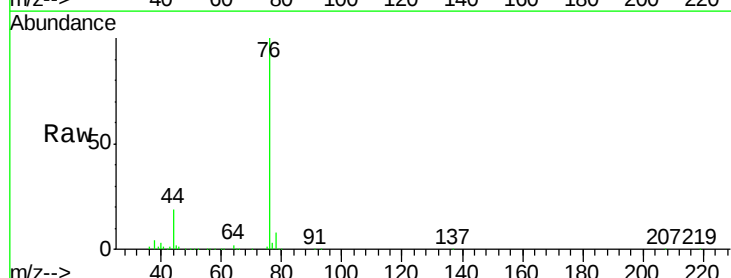
Acq: 26 Apr 2019 01:37

Tgt Ion: 76 Resp: 157657

Ion Ratio Lower Upper

76 100

78 8.3 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU031517.D (-274) (-)

Ion 78.00 (77.70 to 78.70): VU031517.D (-274) (-)

2.47

100000

80000

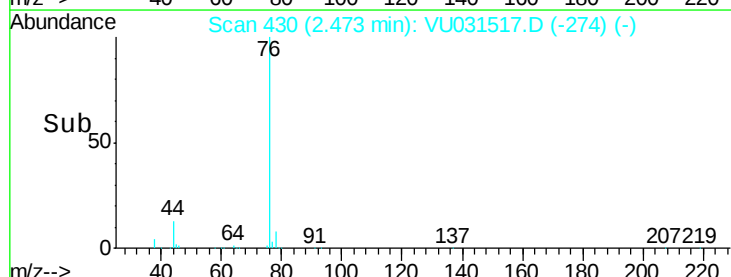
60000

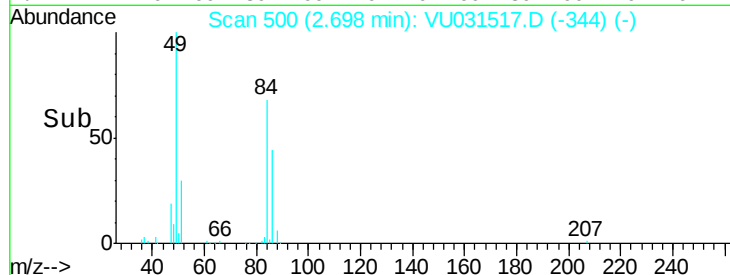
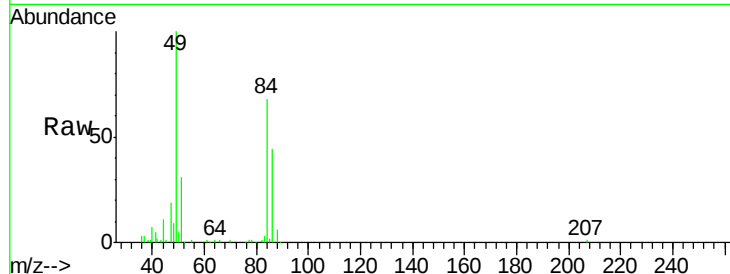
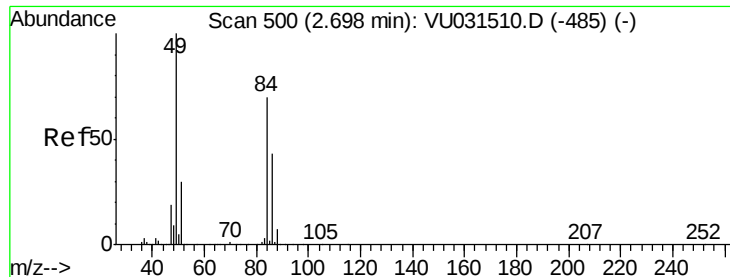
40000

20000

0

Time-->





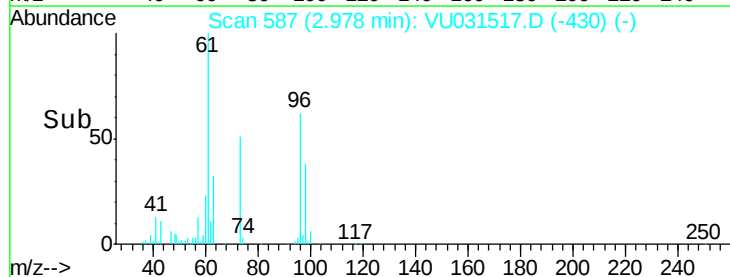
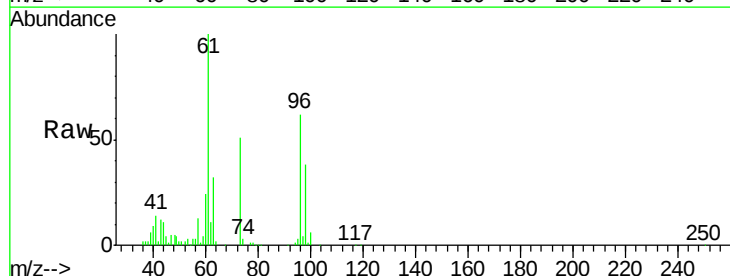
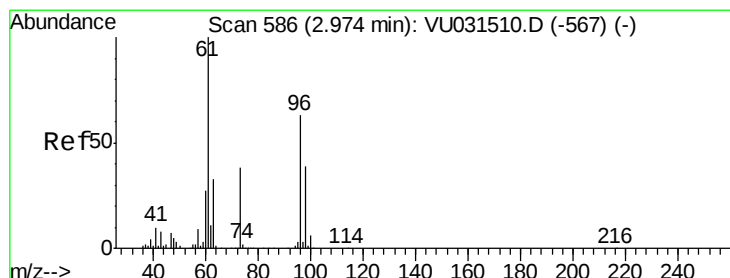
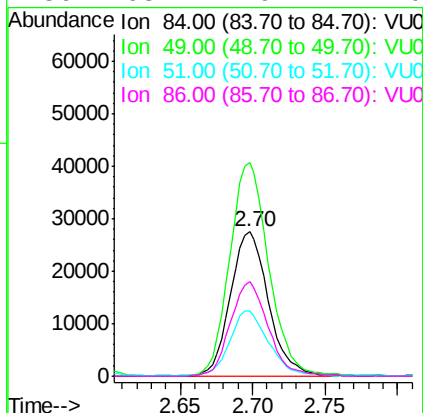
#15
Methvlene Chloride
Concen: 1.926 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tot Ion	84	Resp:	50250
Ion	Ratio	Lower	Upper
84	100		
49	147.5	113.6	170.4
51	45.4	0.0	85.6
86	65.4	49.4	74.0

Instrument :
MSVOA_U
ClientSampleId :
VU0426WBSD01

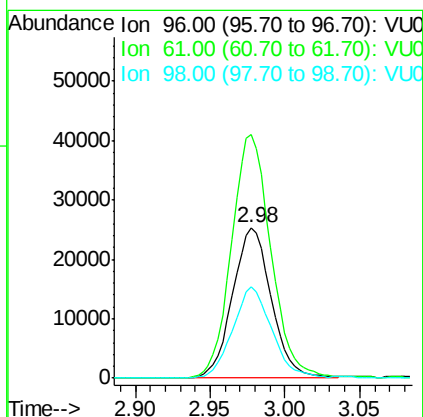
Manual Integrations
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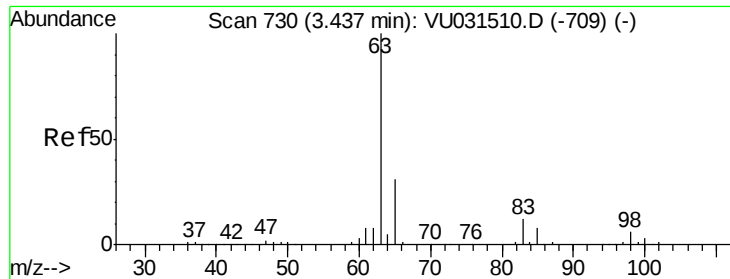
MMdadoda
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#16
trans-1,2-Dichloroethene
Concen: 1.988 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tgt Ion	96	Resp:	45786
Ion	Ratio	Lower	Upper
96	100		
61	161.7	127.2	190.8
98	60.8	49.4	74.0





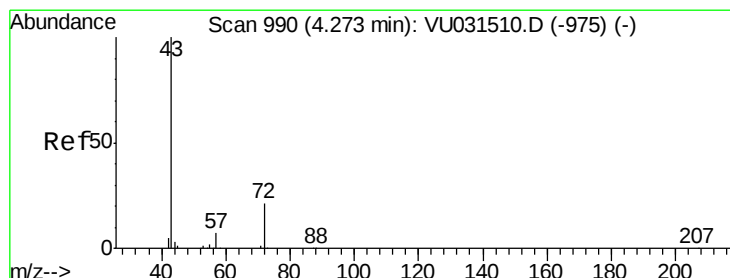
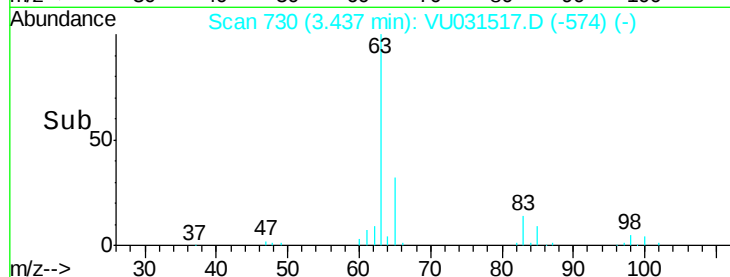
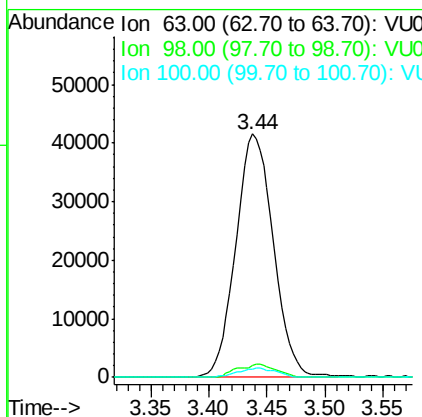
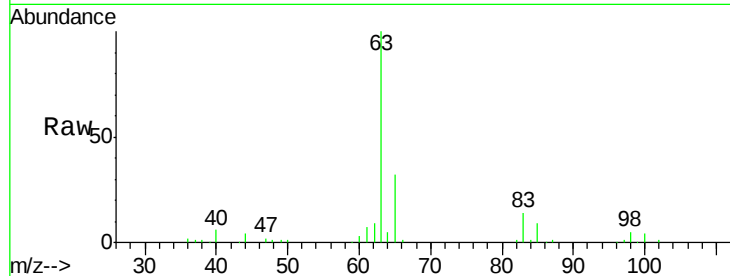
#17
 1,1-Dichloroethane
 Concen: 1.952 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0426WBSD01

Tot Ion:	63	Resp:	93711
Ion Ratio	Lower	Upper	
63	100		
98	4.8	3.0	9.2
100	3.6	1.7	5.1

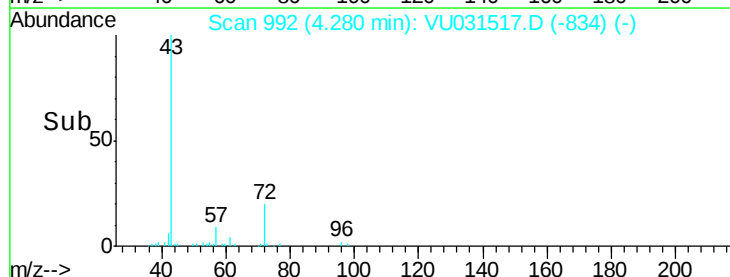
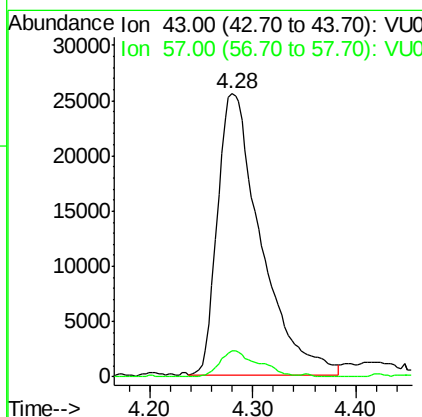
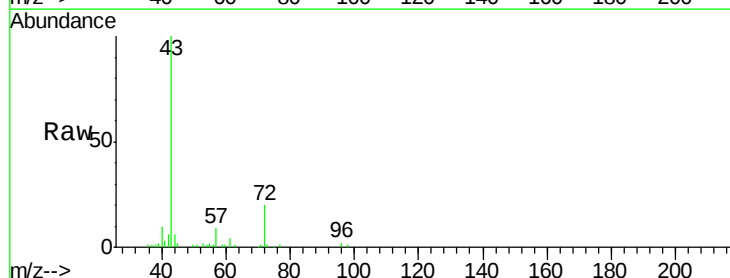
Manual Integrations
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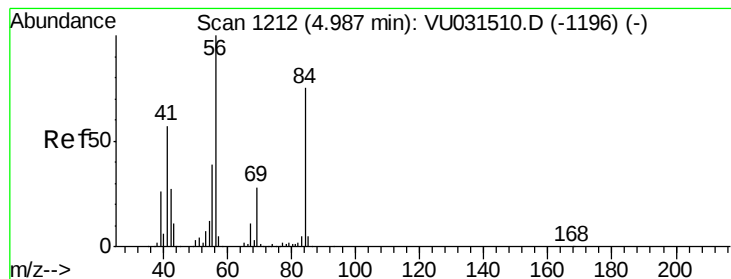
MMdadoda
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#18
 2-Butanone
 Concen: 9.997 ug/l
 RT: 4.28 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Tgt Ion:	43	Resp:	74214
Ion Ratio	Lower	Upper	
43	100		
57	9.1	0.0	14.2





#19

Cyclohexane

Concen: 1.866 ug/l m

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

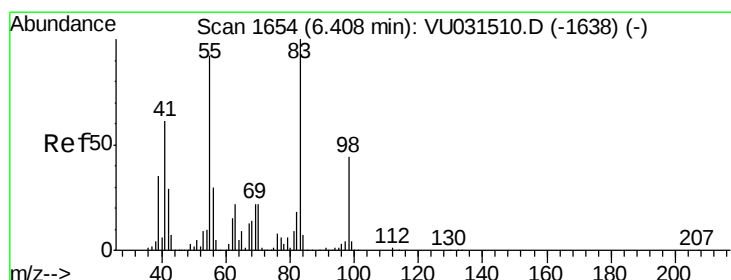
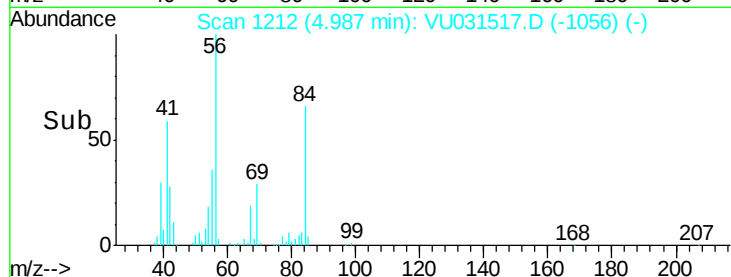
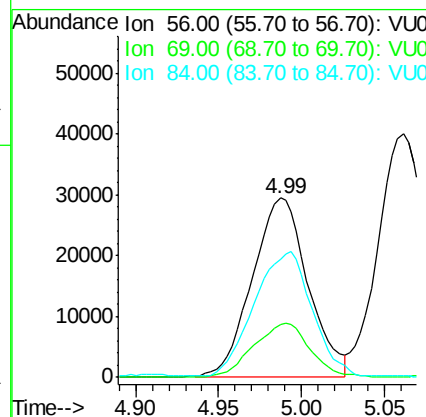
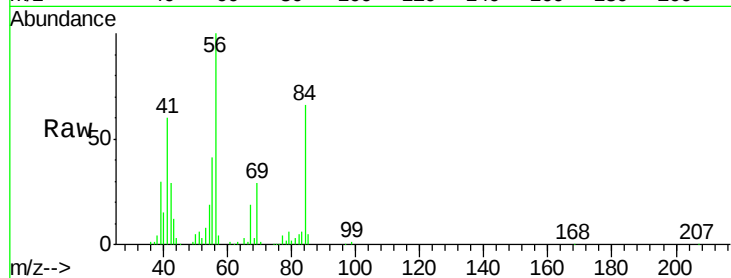
ClientSampleId :

VU0426WBSD01

Tot Ion:	56	Resp:	68951
Ion	Ratio	Lower	Upper
56	100		
69	30.6	22.4	33.6
84	71.9	59.0	88.4

Manual Integrations
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#20

Methylcyclohexane

Concen: 1.854 ug/l

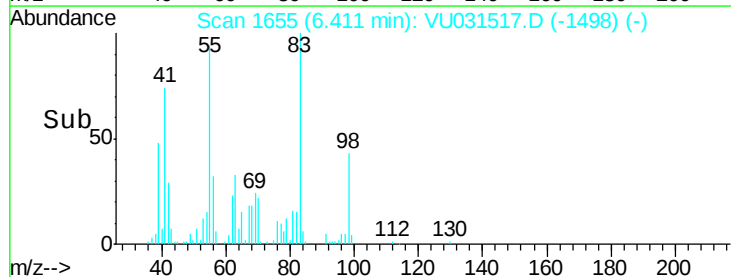
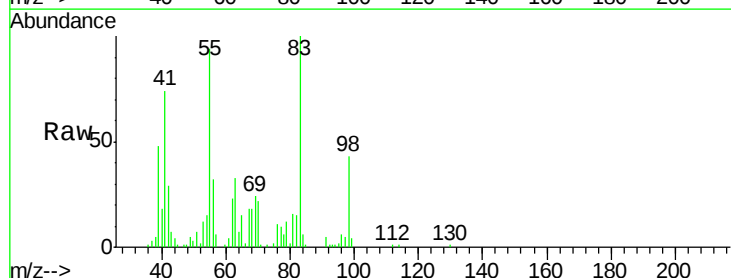
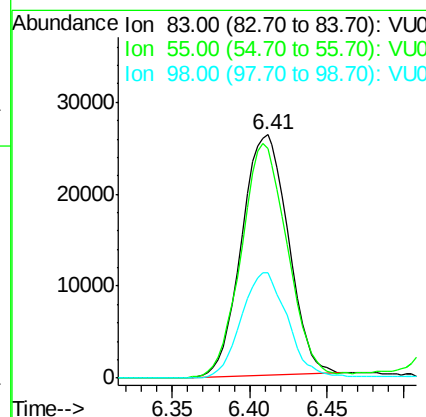
RT: 6.41 min Scan# 1655

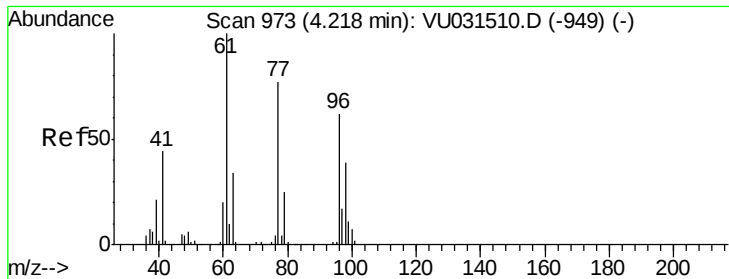
Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Tgt Ion:	83	Resp:	54997
Ion	Ratio	Lower	Upper
83	100		
55	93.9	73.7	110.5
98	42.7	35.2	52.8





#21

2,2-Dichloropropane

Concen: 1.650 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

Tot Ion: 77 Resp: 57871

Ion Ratio Lower Upper

77 100

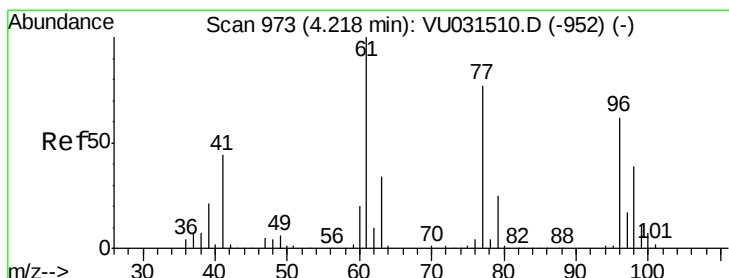
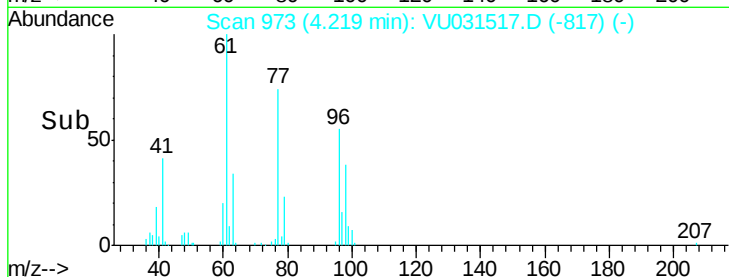
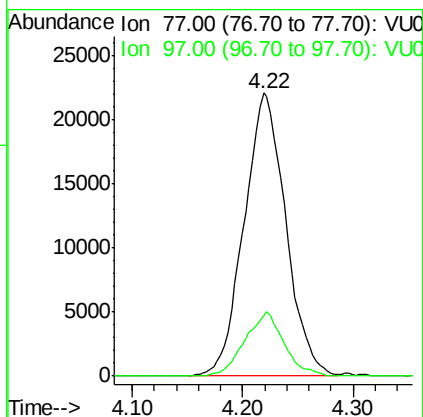
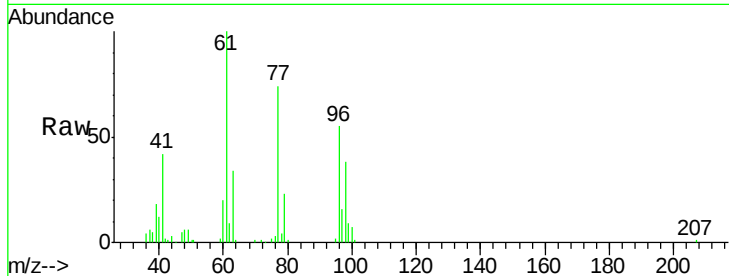
97 21.3 17.5 26.3

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#22

cis-1,2-Dichloroethene

Concen: 1.857 ug/l

RT: 4.23 min Scan# 975

Delta R.T. 0.01 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

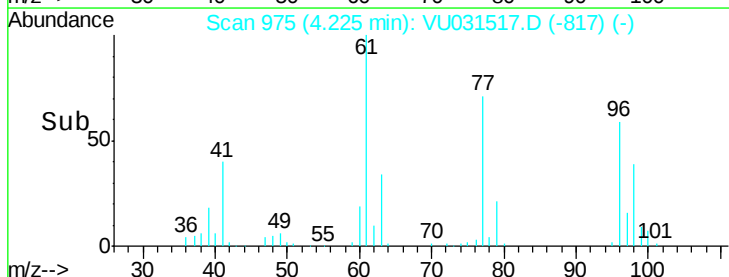
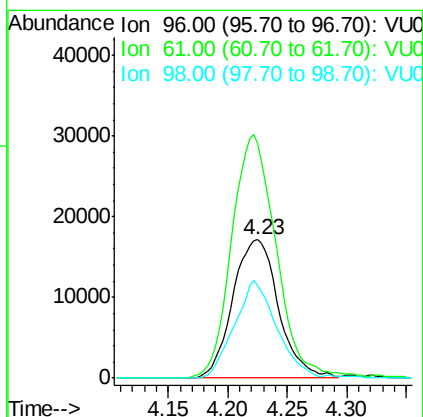
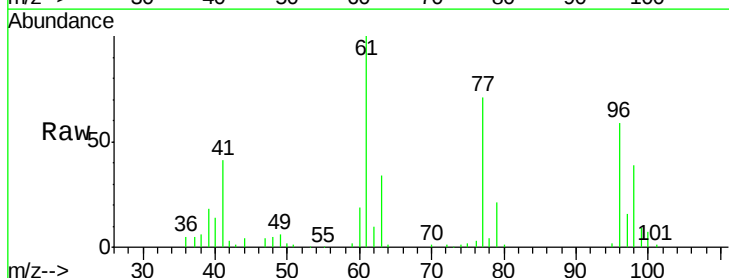
Tgt Ion: 96 Resp: 45727

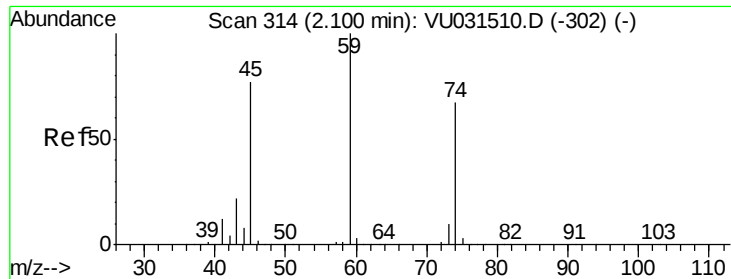
Ion Ratio Lower Upper

96 100

61 170.5 0.0 408.8

98 64.7 31.1 93.3





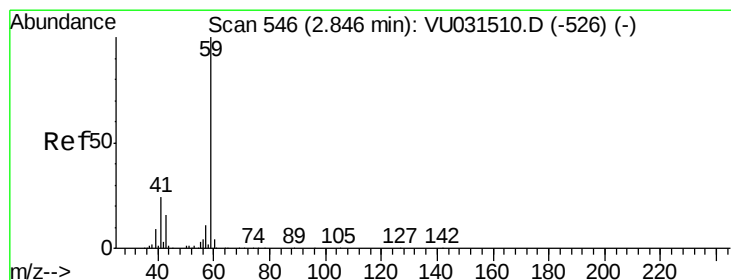
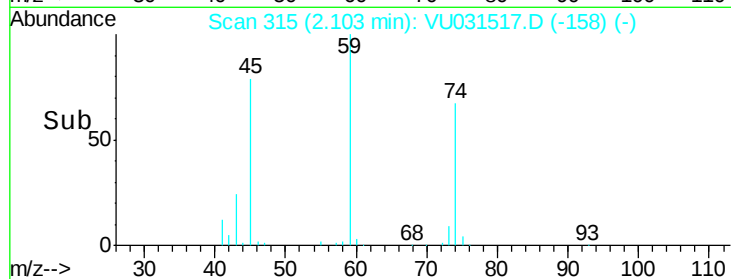
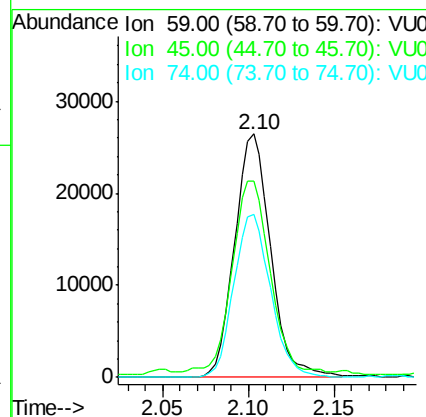
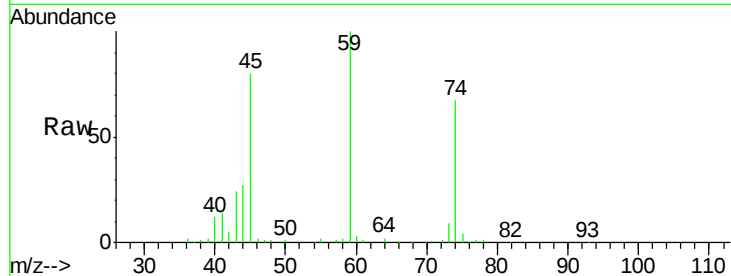
#23
Diethyl Ether
Concen: 1.954 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Instrument :
MSVOA_U
ClientSampleId :
VU0426WBSD01

Tot Ion:	59	Resp:	38542
Ion Ratio	Lower	Upper	
59	100		
45	81.4	64.5	96.7
74	68.3	54.6	81.8

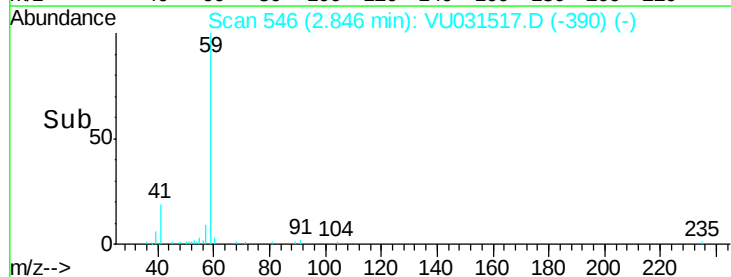
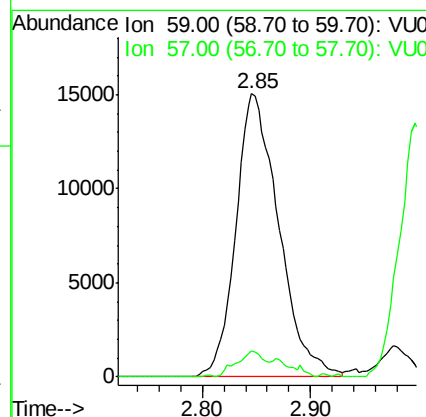
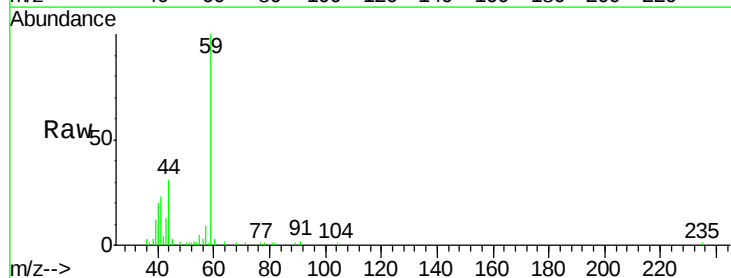
Manual Integrations
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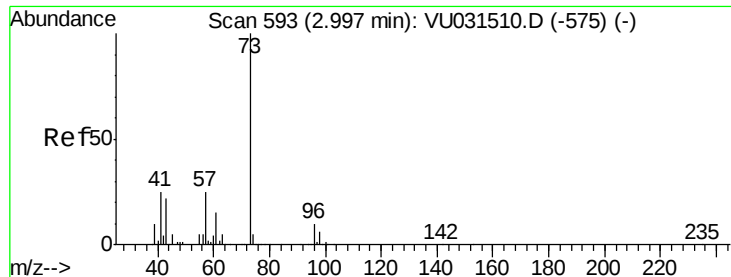
MMDadoda
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#24
tert-Butyl Alcohol
Concen: 20.361 ug/l
RT: 2.85 min Scan# 546
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tgt Ion:	59	Resp:	41650
Ion Ratio	Lower	Upper	
59	100		
57	6.0	8.2	12.2#





#25

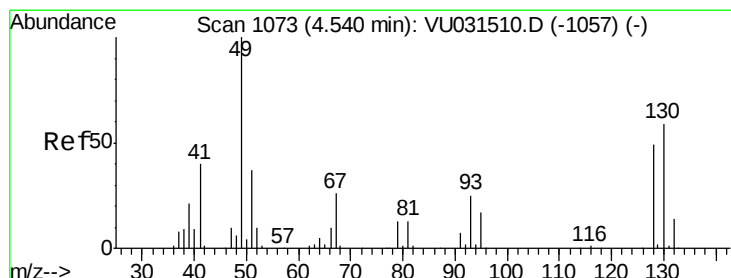
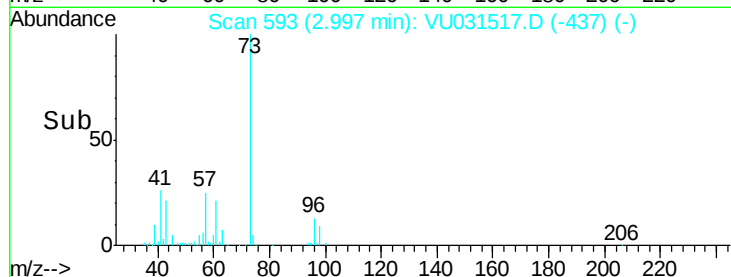
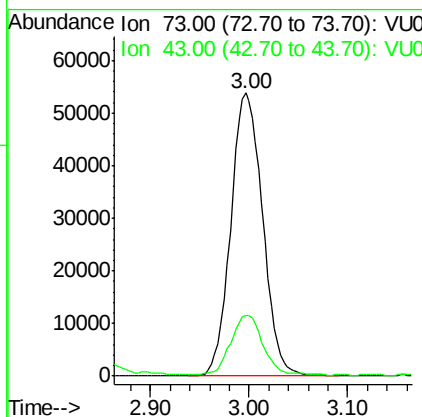
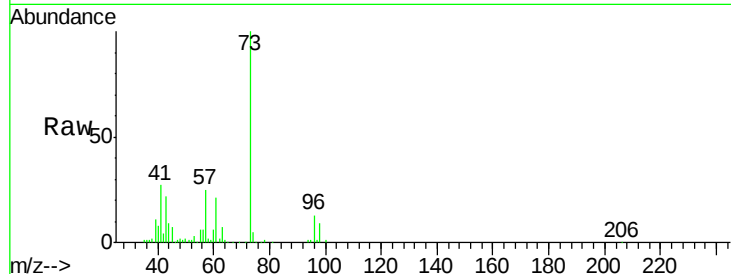
Methyl tert-Butyl Ether
 Concen: 2.020 ug/l
 RT: 3.00 min Scan# 593
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0426WBSD01

Tot Ion	73	Resp	121071
Ion Ratio	Lower	Upper	
73	100		
43	20.4	16.9	25.3

Manual Integrations
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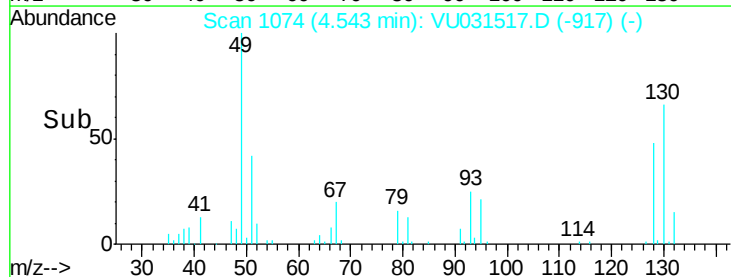
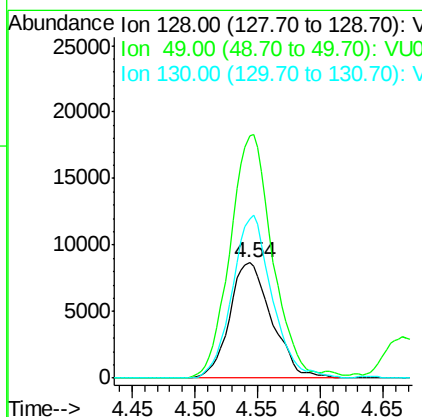
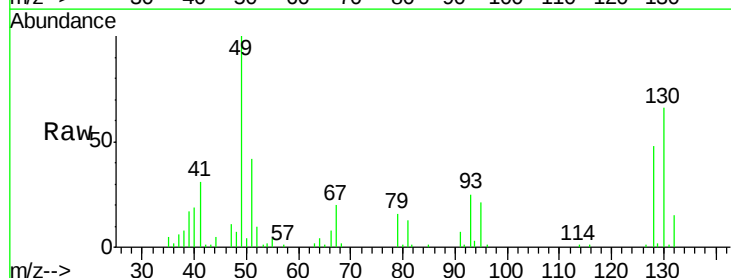
MMdadoda
 4/26/2019 12:23:17 PM

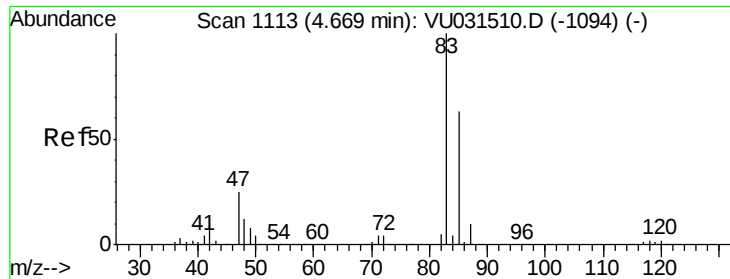


#26

Bromochloromethane
 Concen: 1.944 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Tgt Ion	128	Resp	20230
Ion Ratio	Lower	Upper	
128	100		
49	211.2	0.0	407.2
130	133.4	101.4	152.2





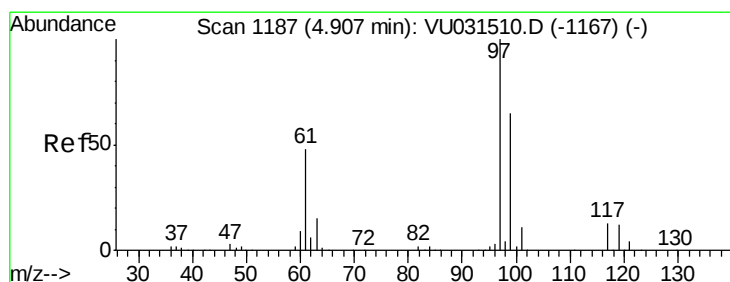
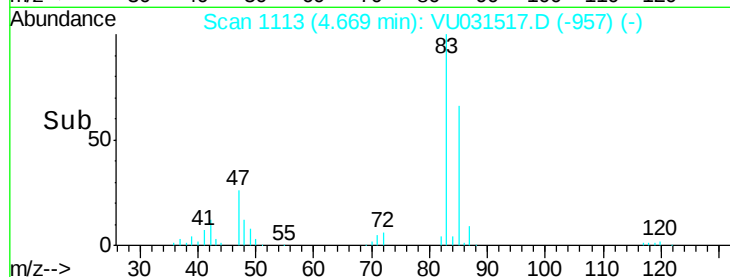
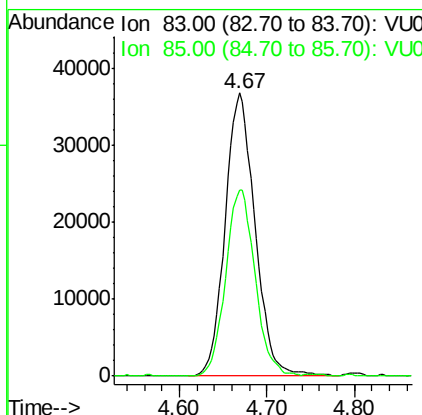
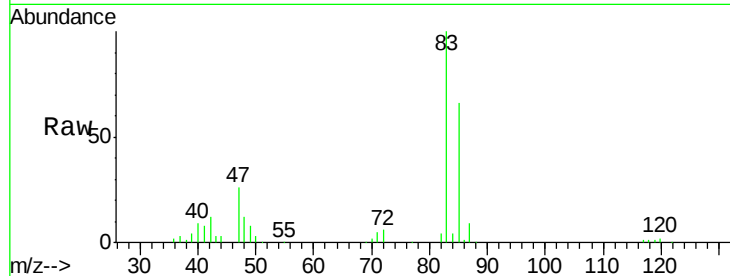
#27
Chloroform
Concen: 1.964 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Instrument :
MSVOA_U
ClientSampleId :
VU0426WBSD01

Tot Ion	83	Resp	87387
Ion Ratio	100	Lower	Upper
85	65.6	0.0	126.2

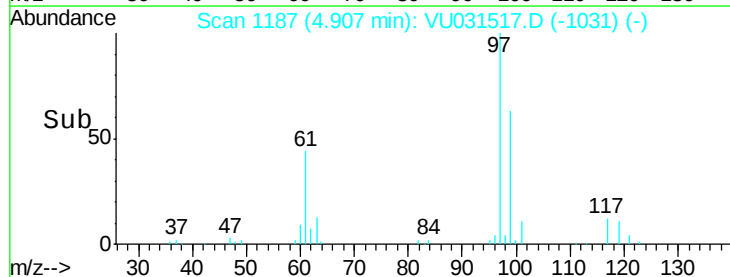
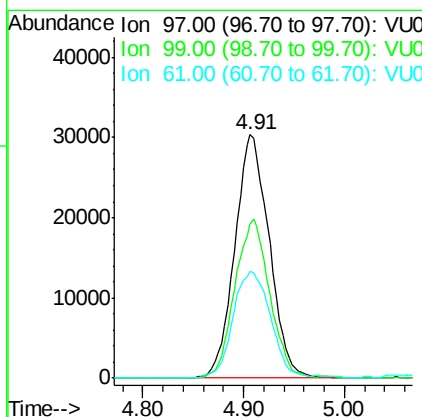
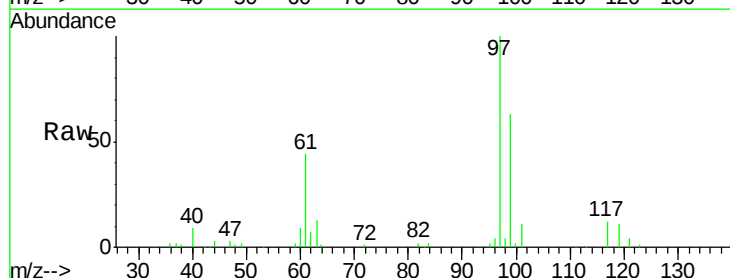
Manual Integrations
APPROVED

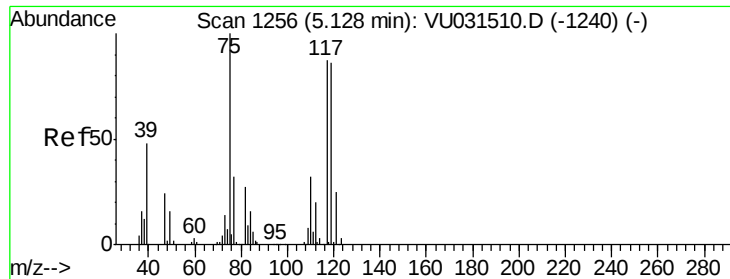
MMdadoda
4/26/2019 12:23:17 PM



#28
1,1,1-Trichloroethane
Concen: 1.920 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tgt Ion	97	Resp	71976
Ion Ratio	100	Lower	Upper
99	65.7	32.0	96.2
61	47.4	24.0	72.0





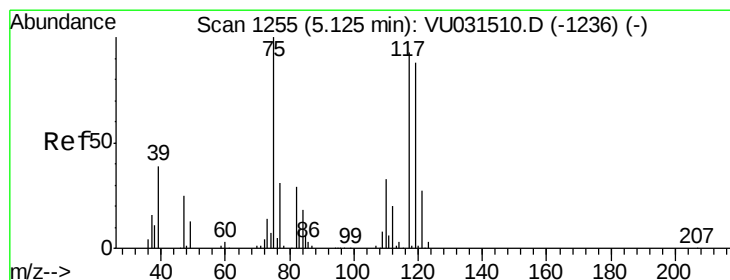
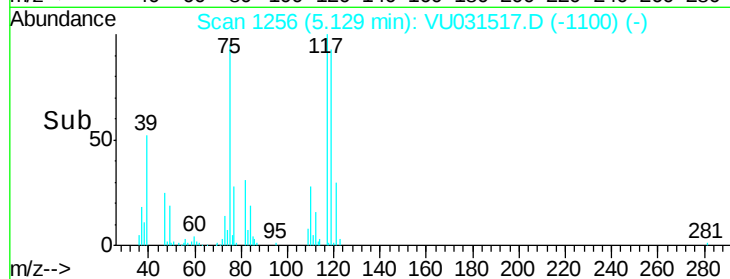
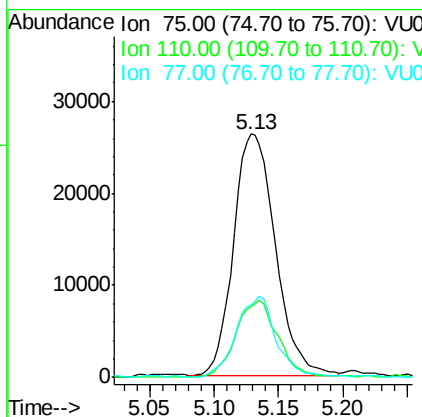
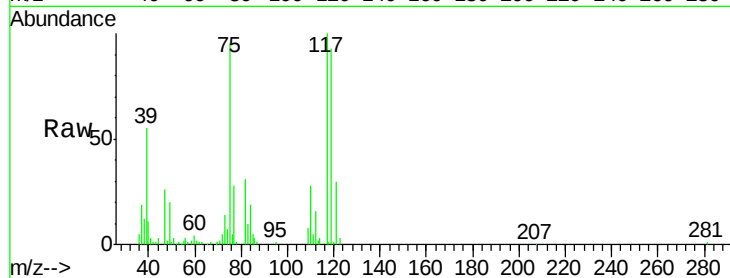
#29
 1,1-Dichloropropene
 Concen: 1.955 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Instrument :
 MSVOA_U
 ClientSampled :
 VU0426WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.4	49.1
77	31.8	25.0	37.6

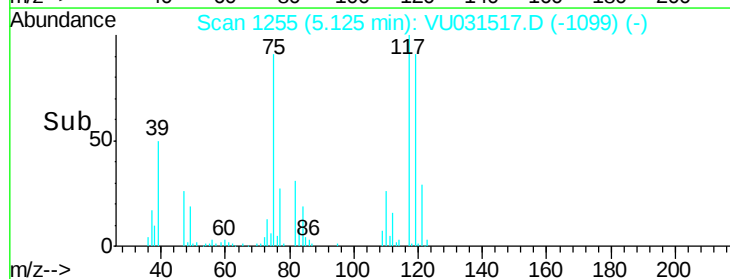
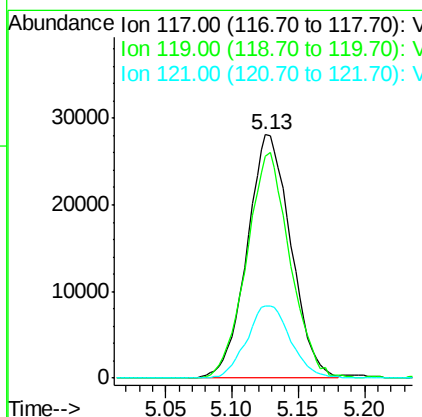
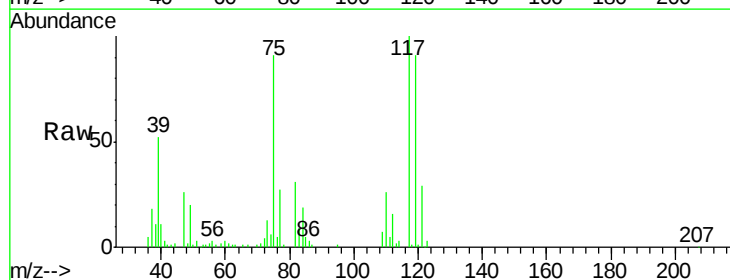
Manual Integrations
 APPROVED

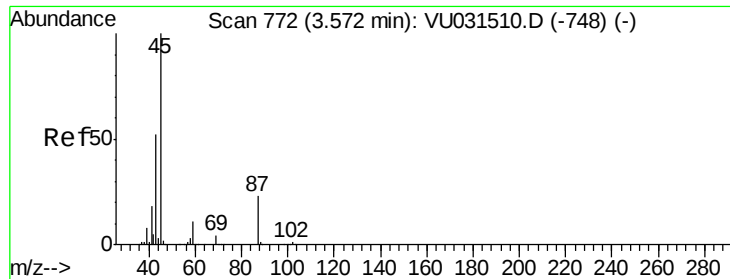
MMDadoda
 4/26/2019 12:23:17 PM



#30
 Carbon Tetrachloride
 Concen: 2.015 ug/l
 RT: 5.13 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.0	76.1	114.1
121	29.4	23.3	34.9





#31

Isopropyl Ether

Concen: 1.955 ug/l

RT: 3.57 min Scan# 771

Delta R.T. -0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

Tot Ion: 45 Resp: 140591

Ion Ratio Lower Upper

45 100

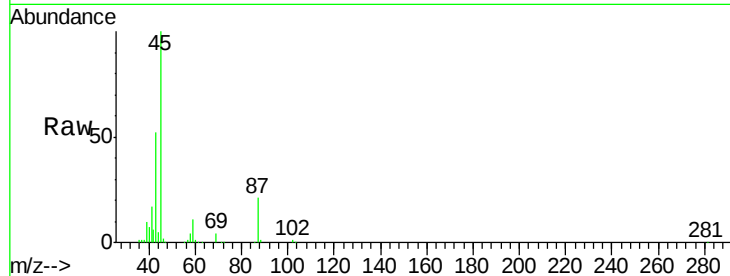
43 54.3 26.0 78.0

Manual Integrations

APPROVED

MMdadoda

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Abundance Ion 45.00 (44.70 to 45.70): VU031517.D (-770) (-)

Ion 43.00 (42.70 to 43.70): VU031517.D (-770) (-)

3.57

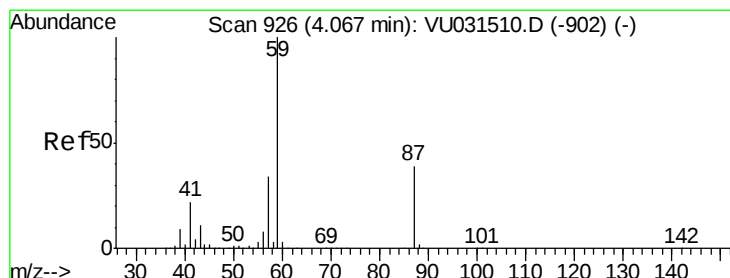
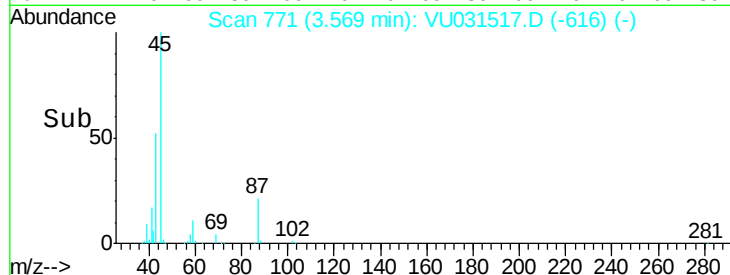
60000

40000

20000

0

Time-->



#32

Ethyl-t-butyl ether

Concen: 1.921 ug/l

RT: 4.06 min Scan# 925

Delta R.T. -0.00 min

Lab File: VU031517.D

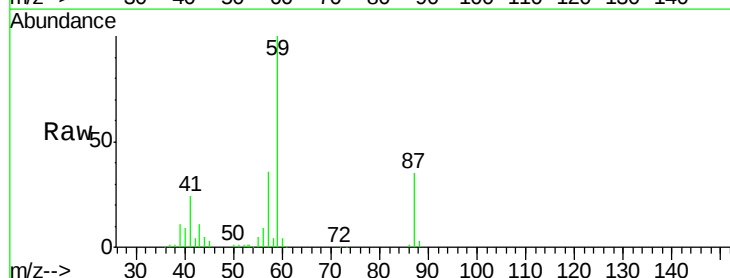
Acq: 26 Apr 2019 01:37

Tgt Ion: 59 Resp: 112107

Ion Ratio Lower Upper

59 100

87 36.2 29.9 44.9



Abundance Ion 59.00 (58.70 to 59.70): VU031517.D (-770) (-)

Ion 87.00 (86.70 to 87.70): VU031517.D (-770) (-)

4.06

40000

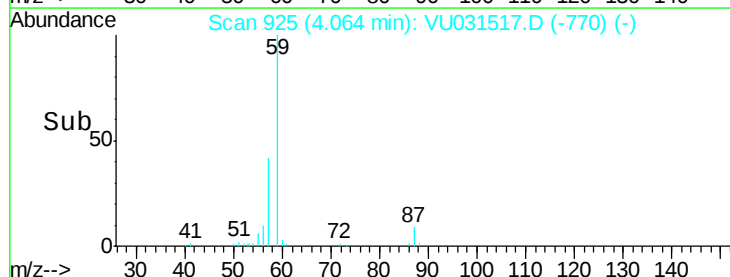
30000

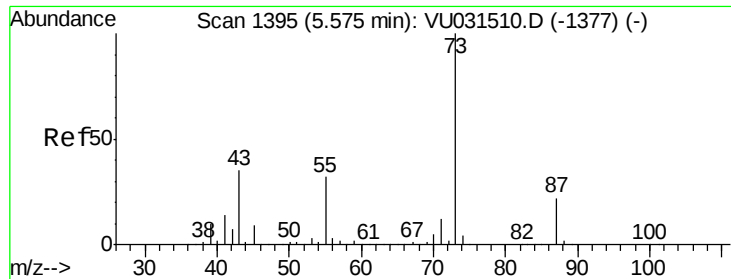
20000

10000

0

Time-->





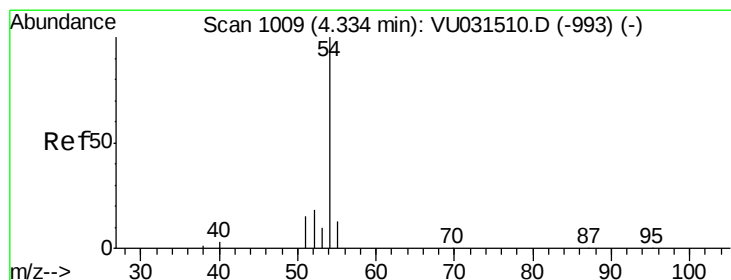
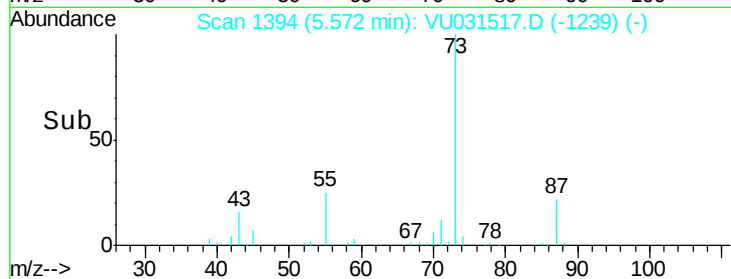
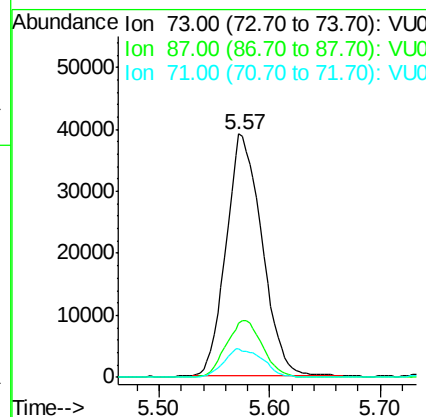
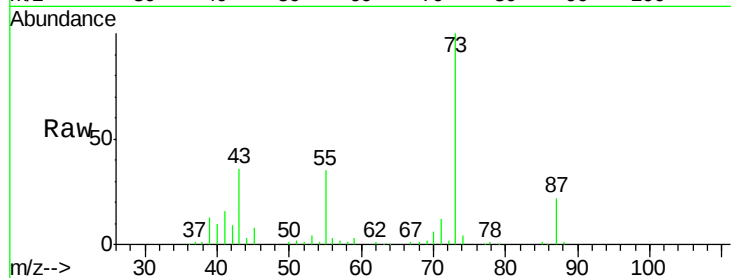
#33
Tert-Butyl methyl ether
Concen: 1.898 ug/l
RT: 5.57 min Scan# 1394
Delta R.T. -0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Instrument :
MSVOA_U
ClientSampleId :
VU0426WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.6	18.2	27.2
71	12.6	9.0	13.6

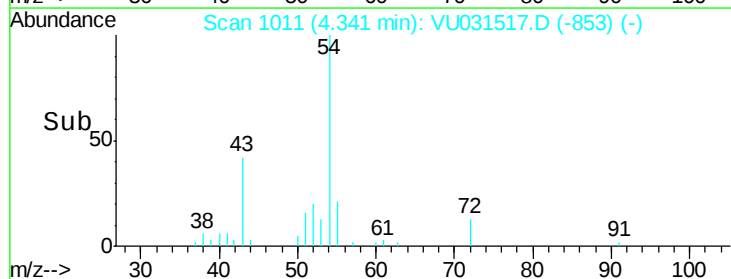
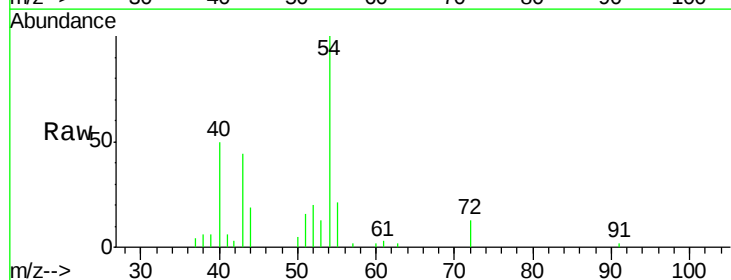
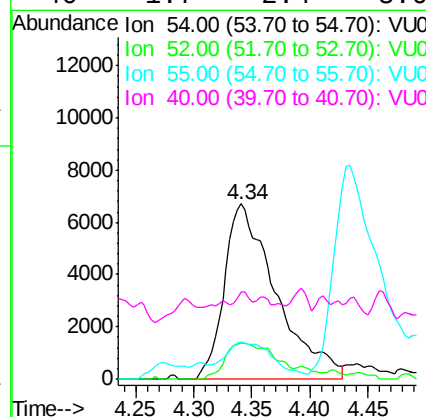
Manual Integrations
APPROVED

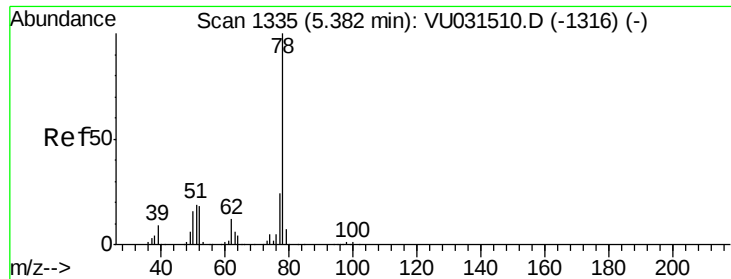
MMDadoda
4/26/2019 12:23:17 PM



#34
Propionitrile
Concen: 10.447 ug/l
RT: 4.34 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.3	15.0	22.4
55	15.2	13.5	20.3
40	1.7	2.4	3.6





#35

Benzene

Concen: 1.997 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

Tot Ion: 78 Resp: 185434

Ion Ratio Lower Upper

78 100

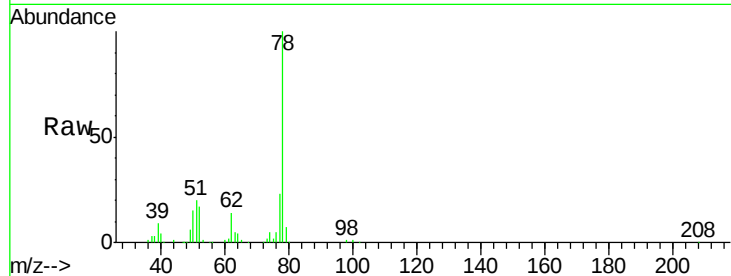
77 22.5 19.2 28.8

Manual Integrations

APPROVED

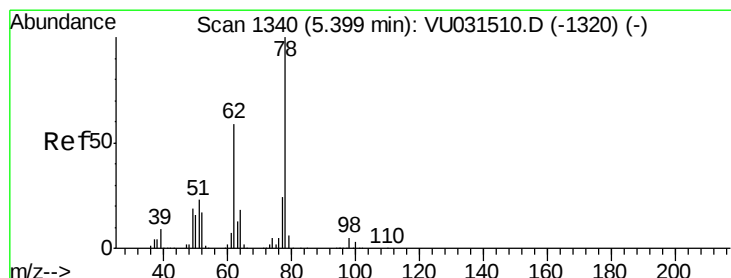
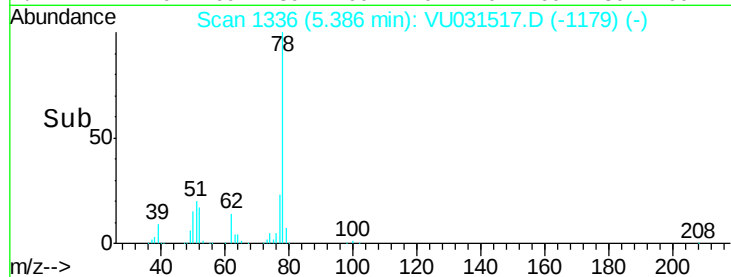
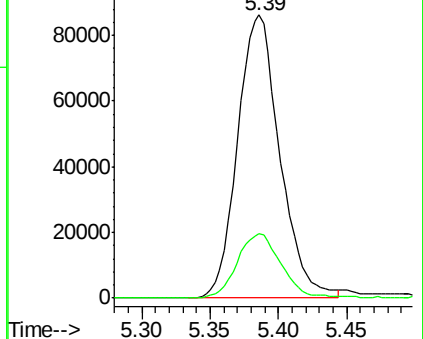
MMdadoda

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Abundance Ion 78.10 (77.80 to 78.80): VU031517.D (-1179) (-)

Ion 77.00 (76.70 to 77.70): VU031517.D (-1179) (-)



#36

1,2-Dichloroethane

Concen: 2.039 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU031517.D

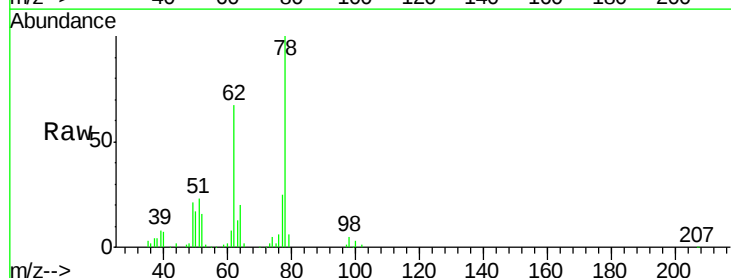
Acq: 26 Apr 2019 01:37

Tgt Ion: 62 Resp: 61687

Ion Ratio Lower Upper

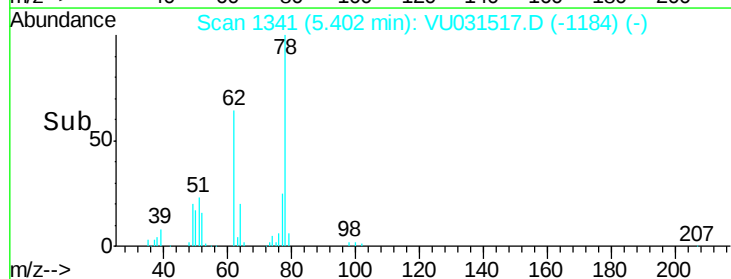
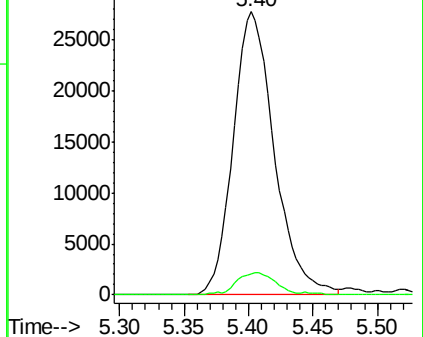
62 100

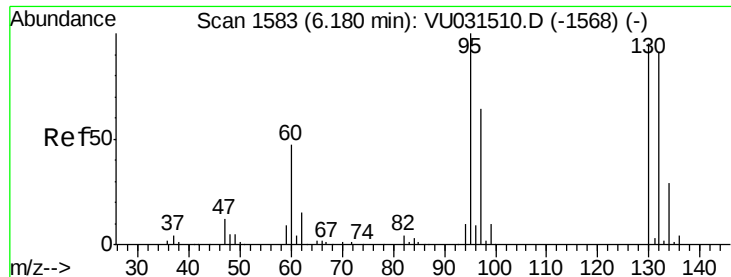
98 7.5 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VU031517.D (-1184) (-)

Ion 98.00 (97.70 to 98.70): VU031517.D (-1184) (-)





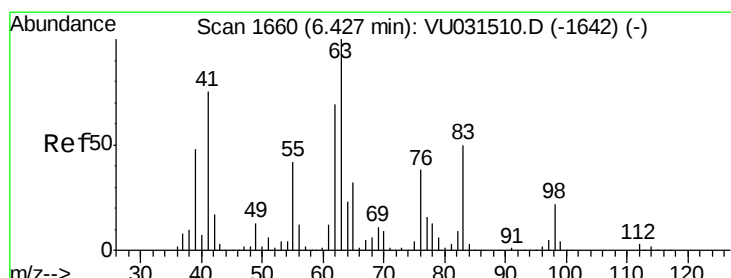
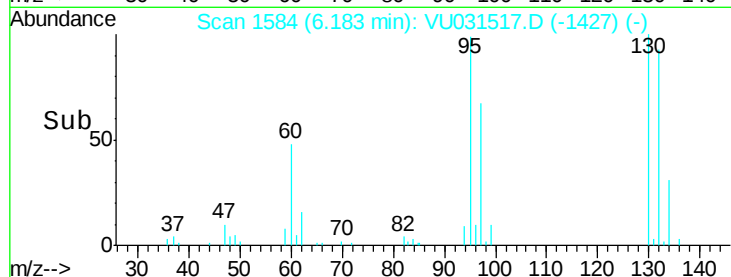
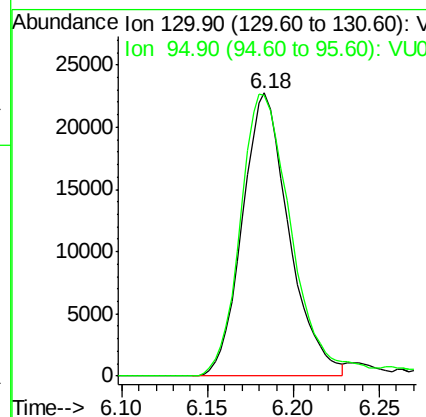
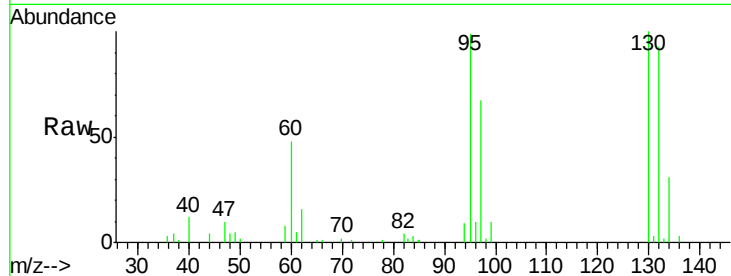
#37
 Trichloroethene
 Concen: 1.884 ug/l
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Instrument :
 MSVOA_U
 ClientSampled :
 VU0426WBSD01

Tot Ion:130 Resp: 42792
 Ion Ratio Lower Upper
 130 100
 95 99.2 83.8 125.8

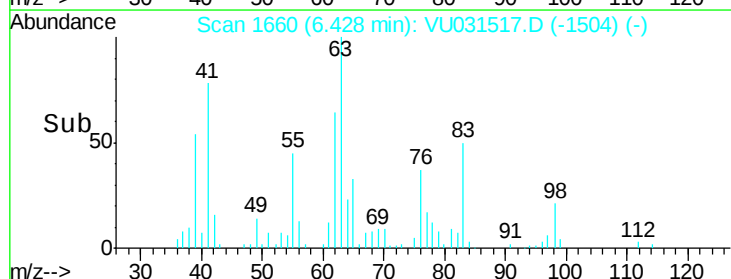
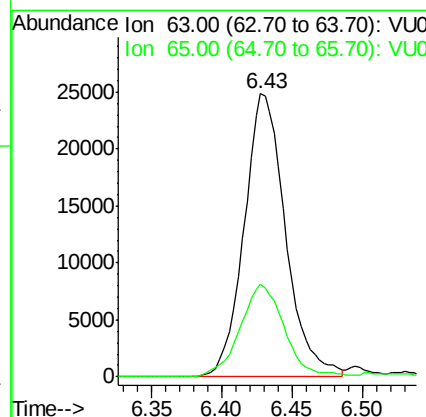
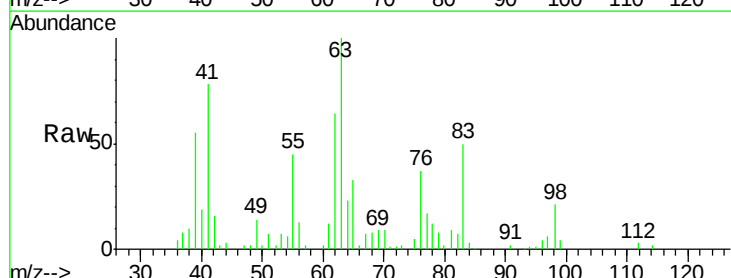
Manual Integrations
 APPROVED

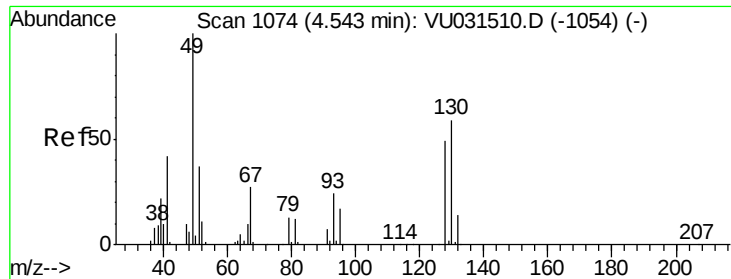
MMDadoda
 4/26/2019 12:23:17 PM



#38
 1,2-Dichloropropane
 Concen: 1.951 ug/l
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Tgt Ion: 63 Resp: 51192
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.3 37.9





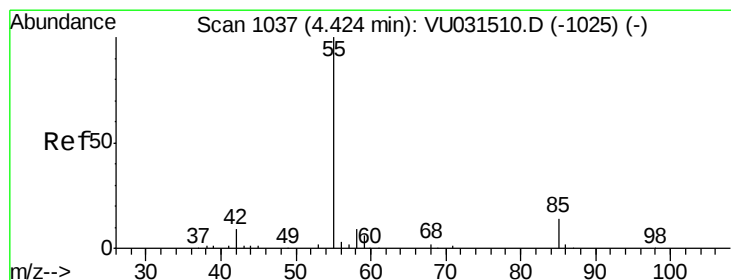
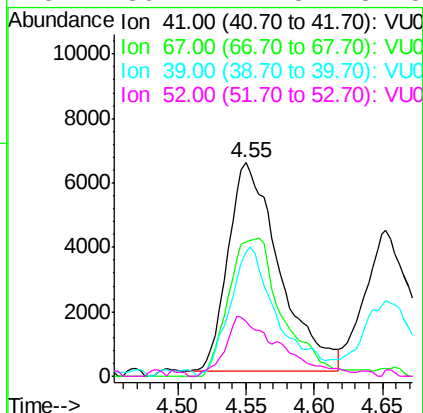
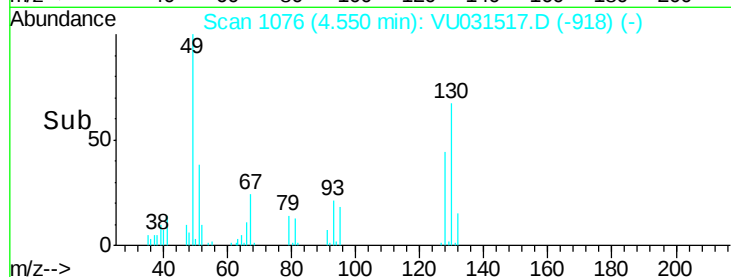
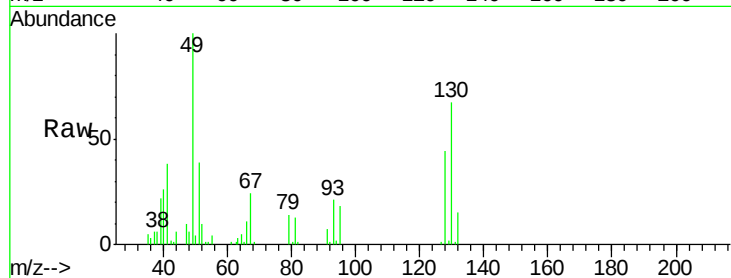
#39
Methacrylonitrile
Concen: 2.033 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Instrument :
MSVOA_U
ClientSampleId :
VU0426WBSD01

Tot Ion	41	Resp	16988
Ion	Ratio	Lower	Upper
41	100		
67	68.7	54.2	81.4
39	56.9	43.8	65.8
52	30.4	21.8	32.8

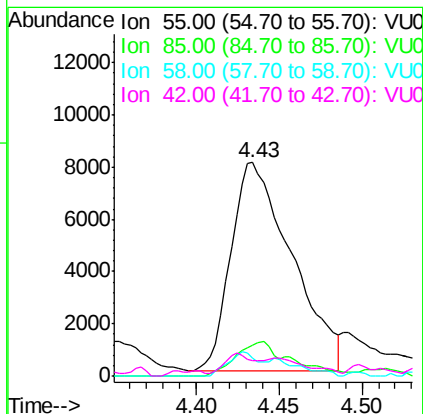
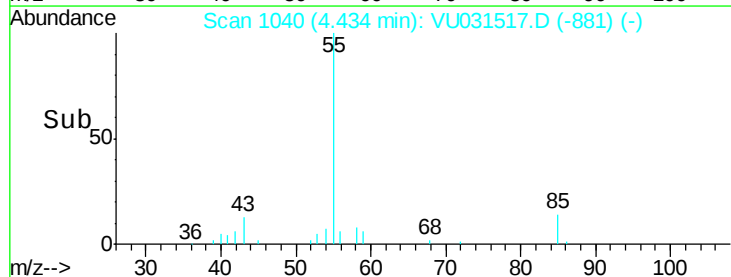
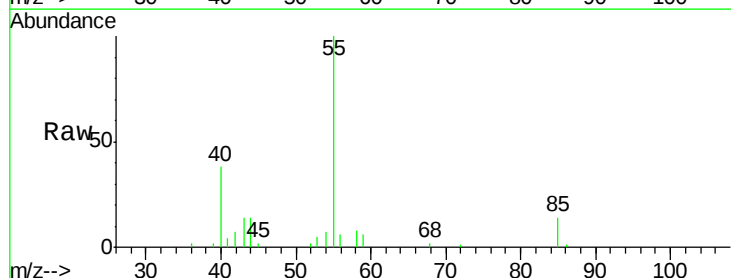
Manual Integrations
APPROVED

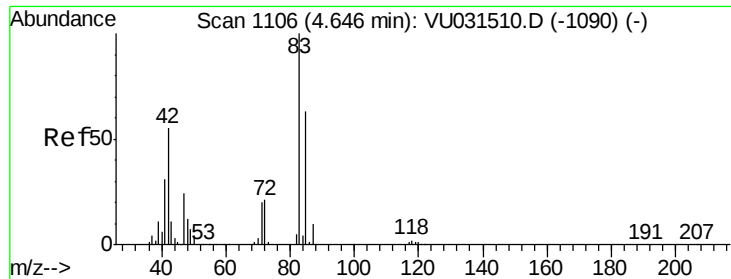
MMdadoda
4/26/2019 12:23:17 PM



#40
Methyl acrylate
Concen: 1.849 ug/l
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tgt Ion	55	Resp	20322
Ion	Ratio	Lower	Upper
55	100		
85	15.1	11.5	17.3
58	5.7	6.5	9.7#
42	4.2	7.4	11.2#





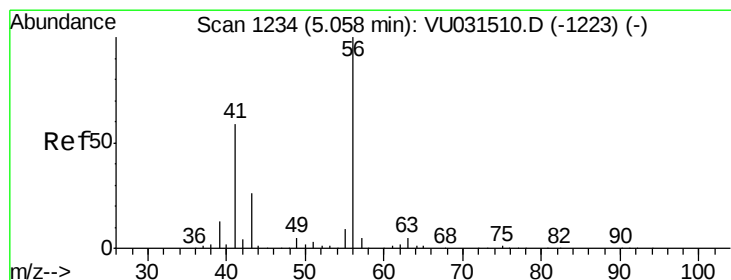
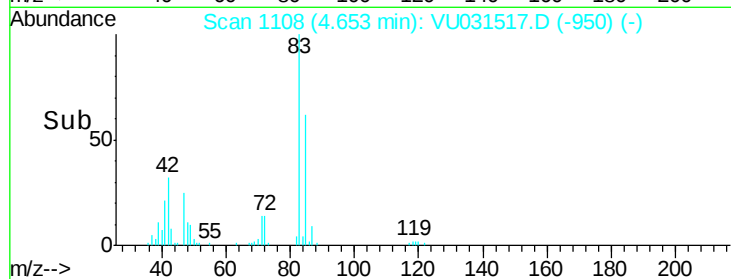
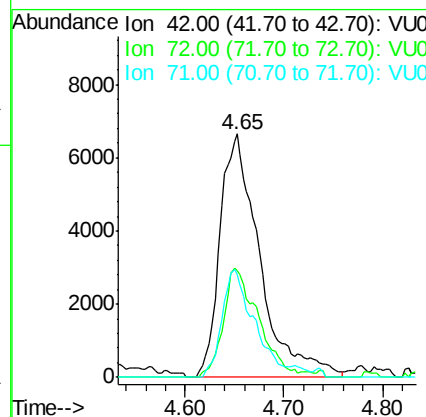
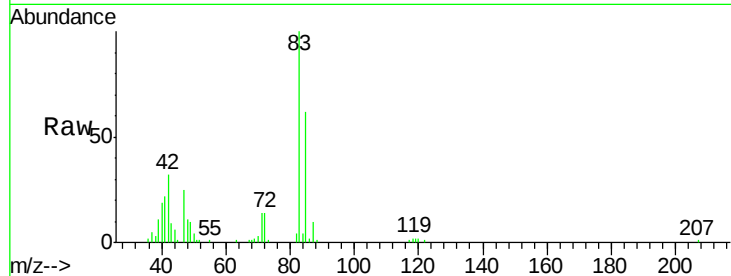
#41
Tetrahydrofuran
Concen: 4.098 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Instrument :
MSVOA_U
ClientSampleId :
VU0426WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	32.1	48.1
71	35.6	29.2	43.8

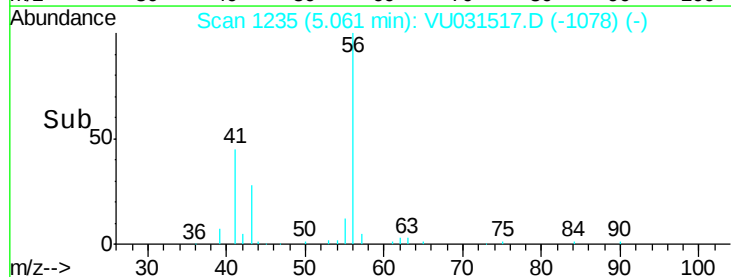
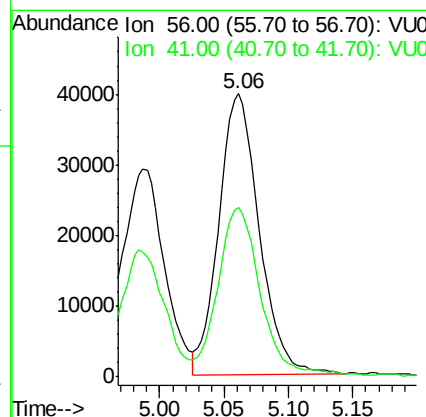
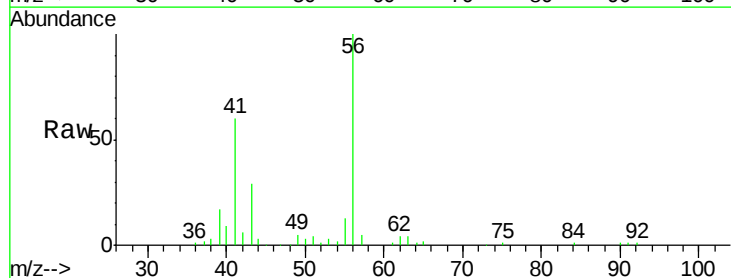
Manual Integrations
APPROVED

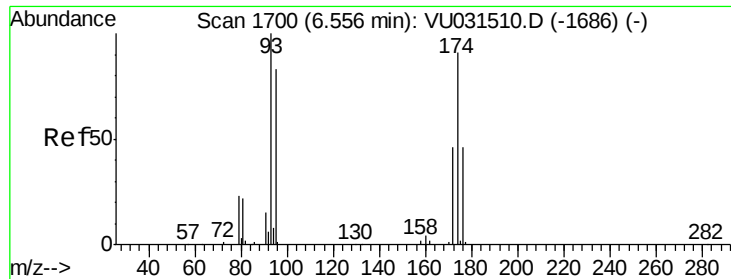
MMDadoda
4/26/2019 12:23:17 PM



#42
1-Chlorobutane
Concen: 1.882 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tgt Ion	Ratio	Lower	Upper
56	100		
41	62.8	29.3	88.0





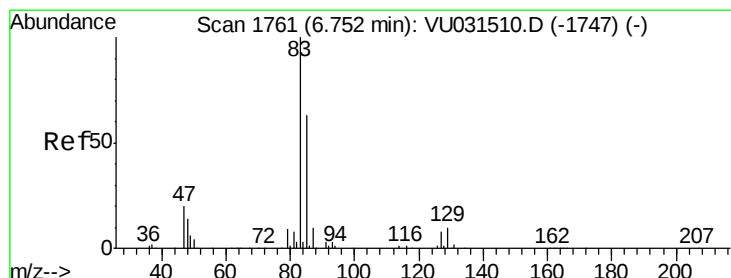
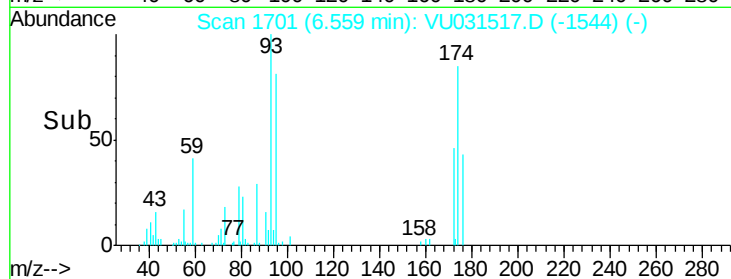
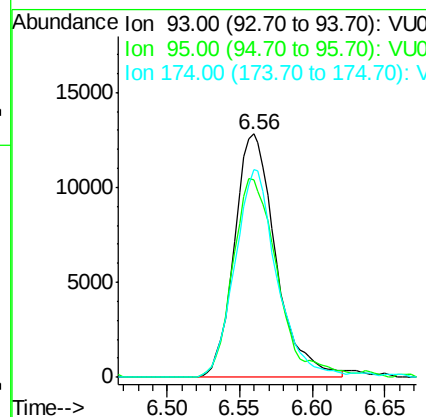
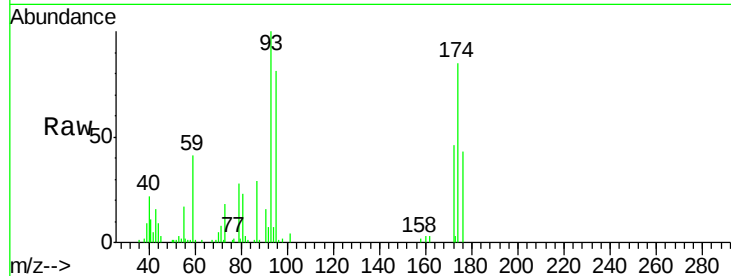
#43
Dibromomethane
Concen: 1.971 ug/l
RT: 6.56 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Instrument :
MSVOA_U
ClientSampleId :
VU0426WBSD01

Tot Ion	Ratio	Lower	Upper
93	100		
95	87.9	65.7	98.5
174	86.3	71.8	107.8

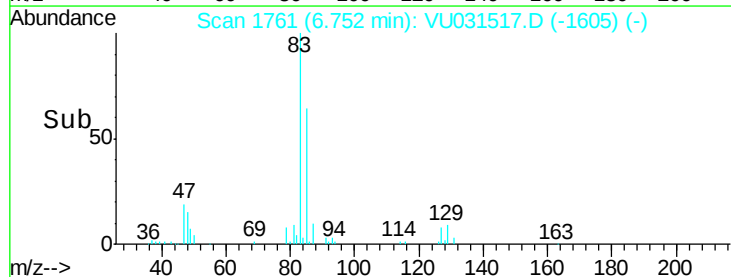
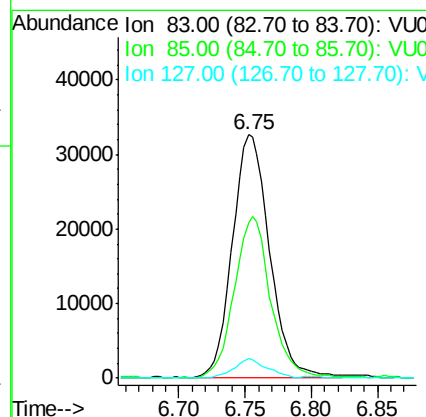
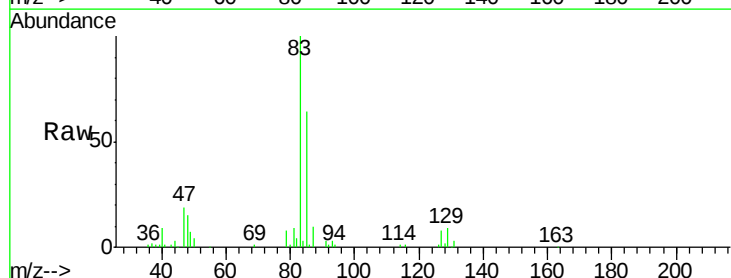
Manual Integrations
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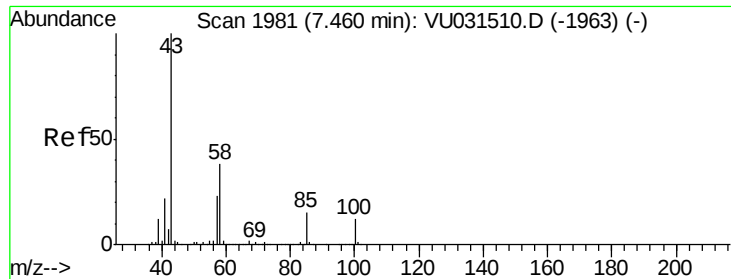
MMDadoda
4/26/2019 12:23:17 PM



#44
Bromodichloromethane
Concen: 1.967 ug/l
RT: 6.75 min Scan# 1761
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.3	75.5
127	8.0	6.6	9.8





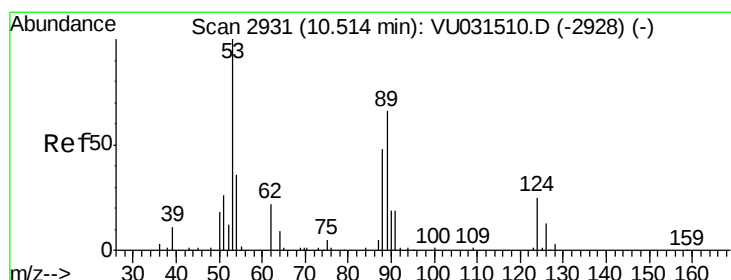
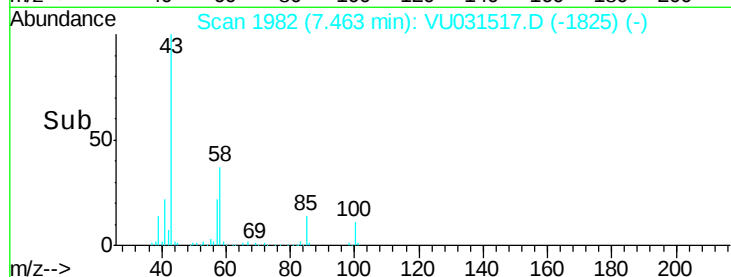
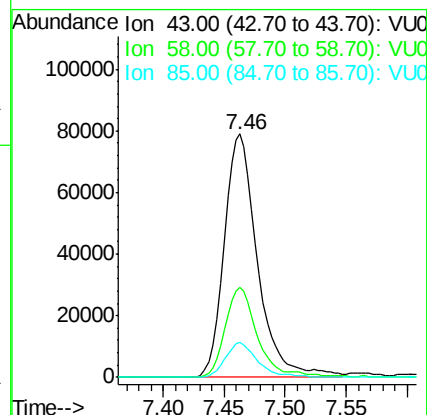
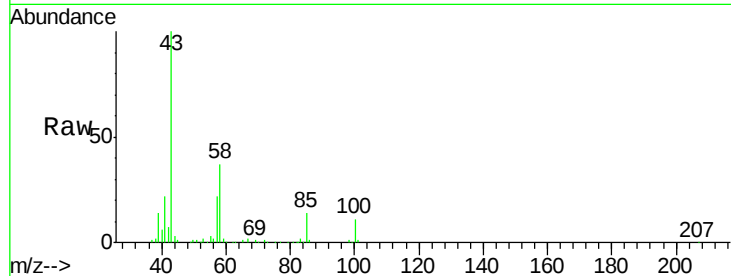
#45
4-Methyl-2-Pentanone
Concen: 9.751 ug/l
RT: 7.46 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Instrument :
MSVOA_U
ClientSampleId :
VU0426WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.2	18.7	56.1
85	14.0	12.1	18.1

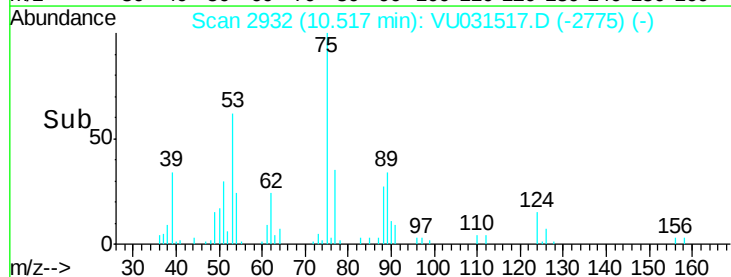
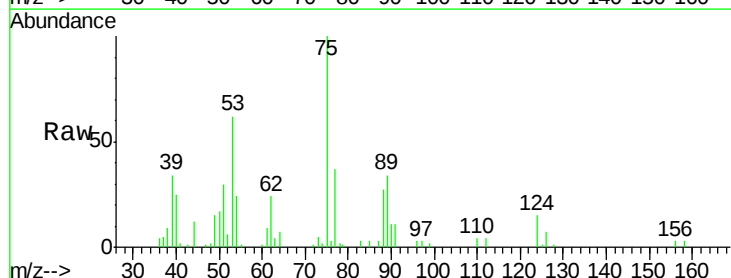
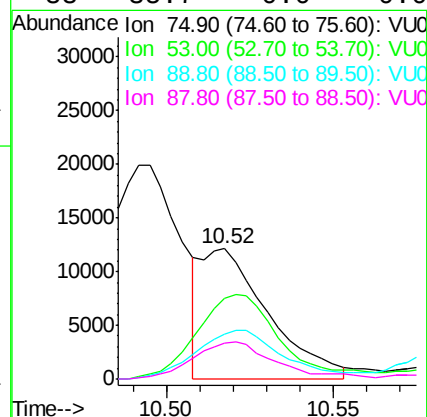
Manual Integrations
APPROVED

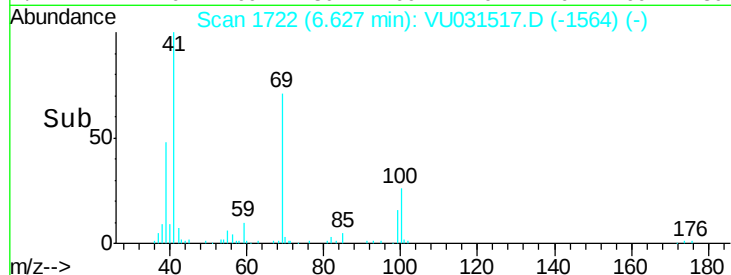
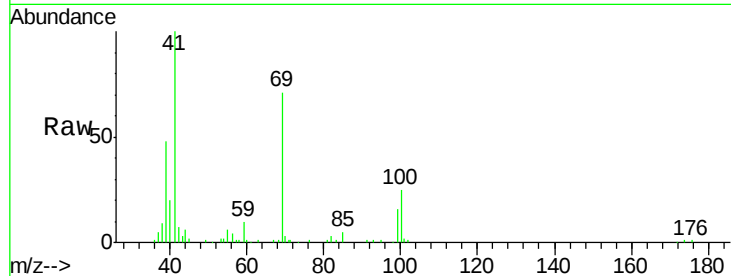
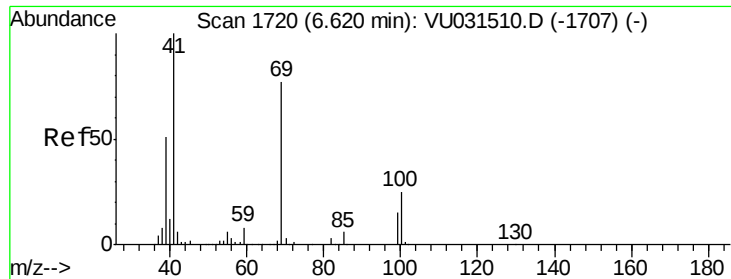
MMDadoda
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#46
t-1,4-Dichloro-2-butene
Concen: 3.548 ug/l m
RT: 10.52 min Scan# 2932
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tgt Ion	Ratio	Lower	Upper
75	100		
53	81.4	63.8	95.8
89	49.0	38.6	57.8
88	35.7	0.0	0.0#





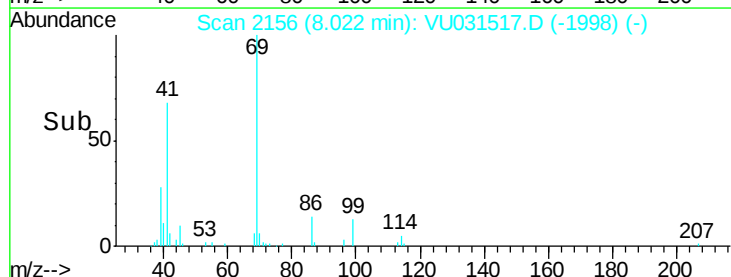
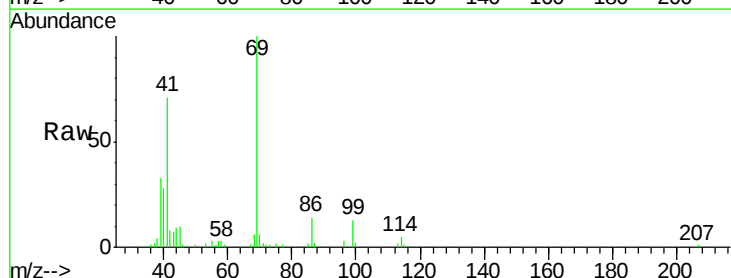
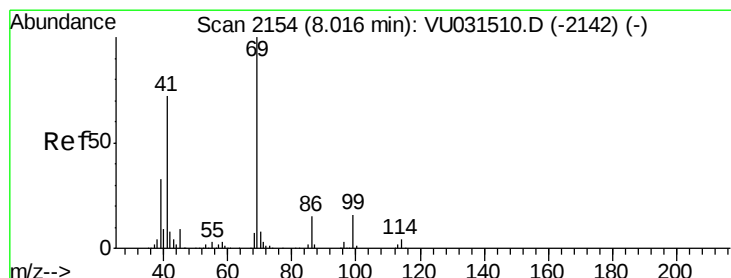
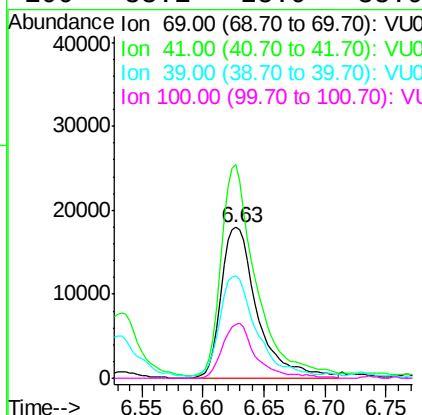
#47
Methyl methacrylate
Concen: 3.771 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.01 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	132.6	0.0	256.4		
39	66.7	52.2	78.4		
100	33.1	25.9	38.9		

Instrument :
MSVOA_U
ClientSampleId :
VU0426WBSD01

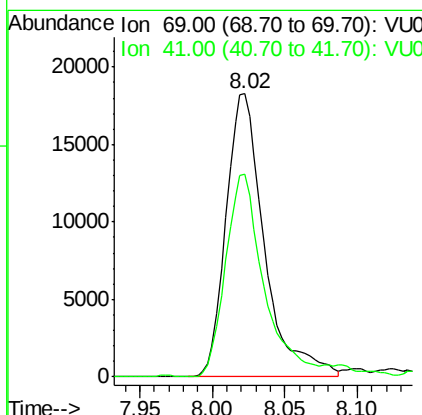
Manual Integrations
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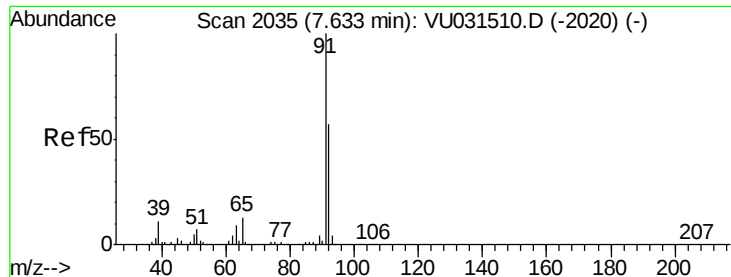
MMDadoda
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#48
Ethyl methacrylate
Concen: 1.935 ug/l
RT: 8.02 min Scan# 2156
Delta R.T. 0.01 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	71.2	35.5	106.5		





#49

Toluene

Concen: 1.911 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

Tot Ion: 92 Resp: 92217

Ion Ratio Lower Upper

92 100

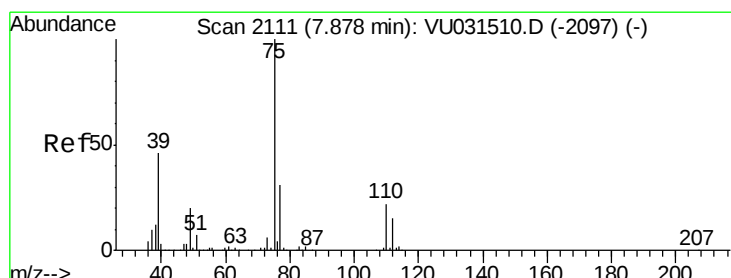
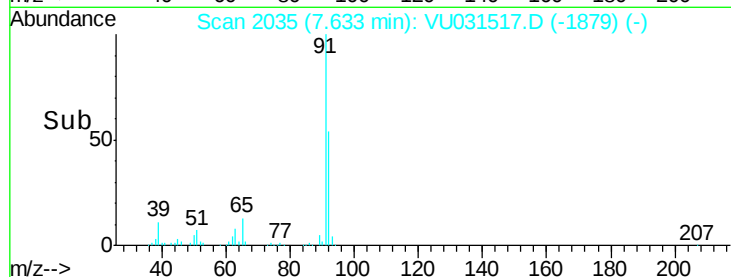
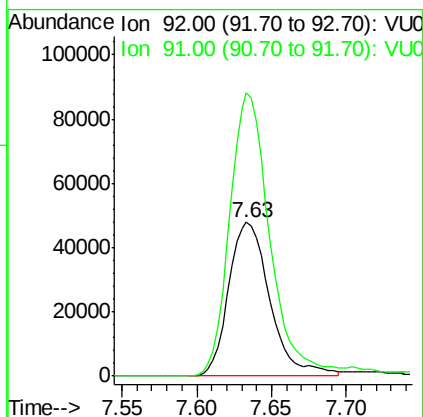
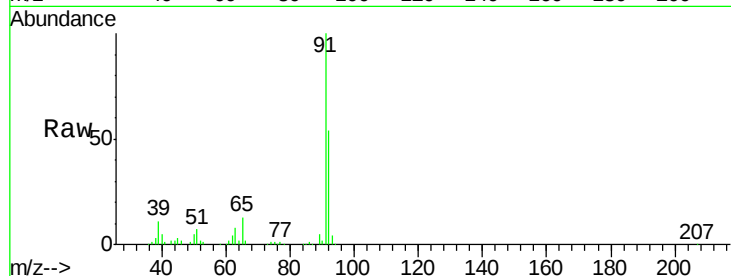
91 178.9 142.0 213.0

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 1.829 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU031517.D

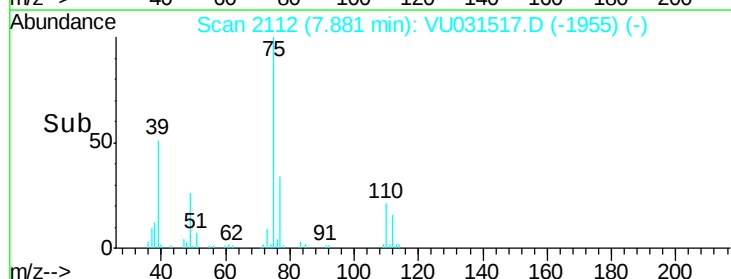
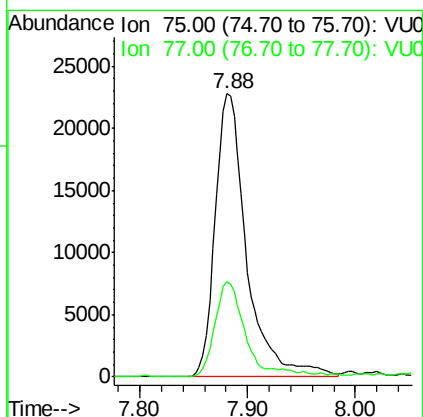
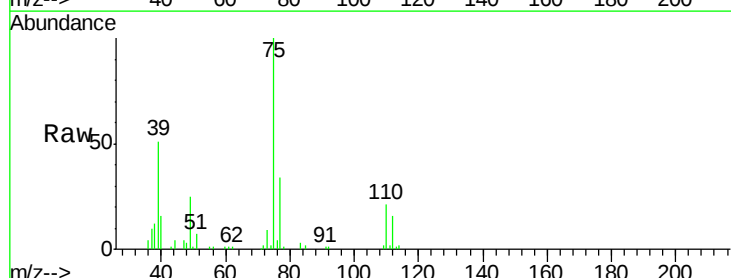
Acq: 26 Apr 2019 01:37

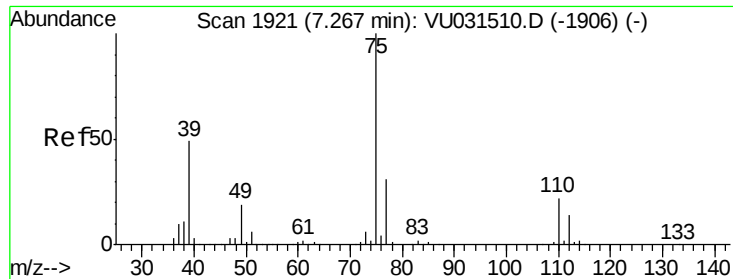
Tgt Ion: 75 Resp: 46154

Ion Ratio Lower Upper

75 100

77 33.6 25.0 37.4





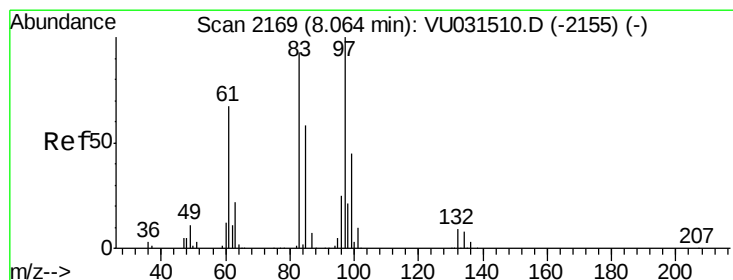
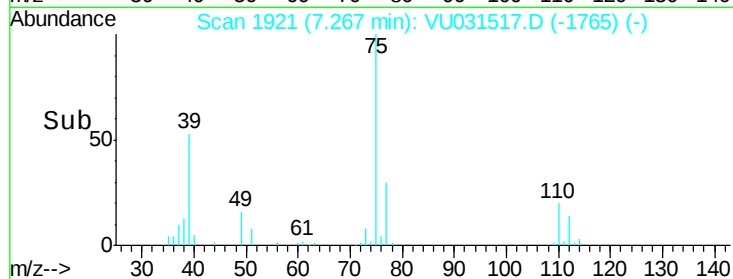
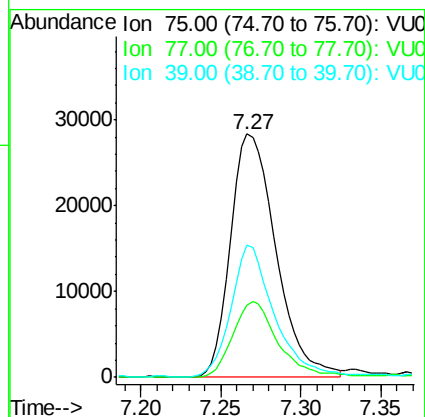
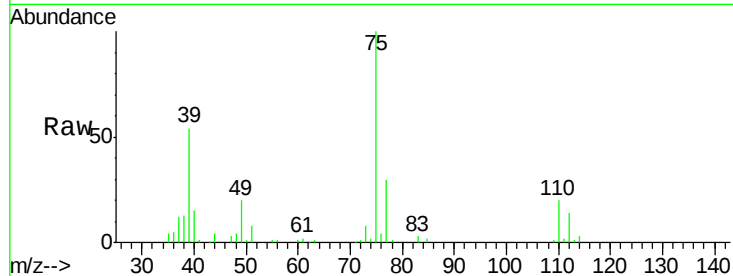
#51
 cis-1,3-Dichloropropene
 Concen: 1.793 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0426WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.6	25.0	37.4
39	54.1	39.0	58.6

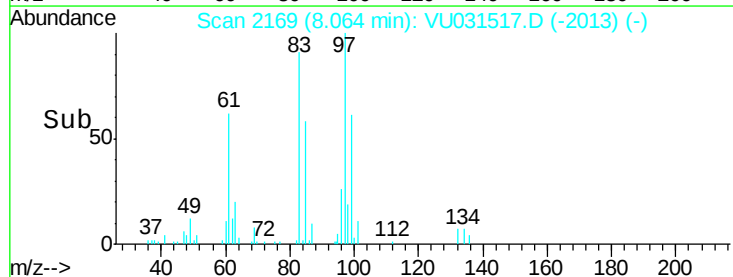
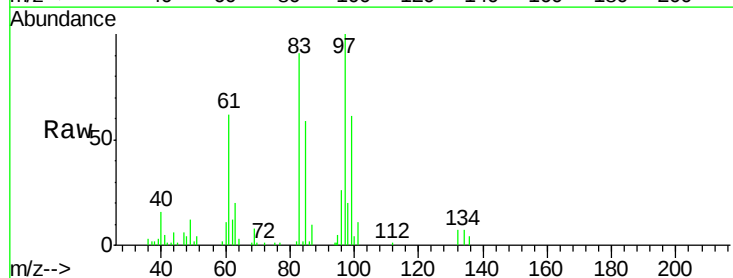
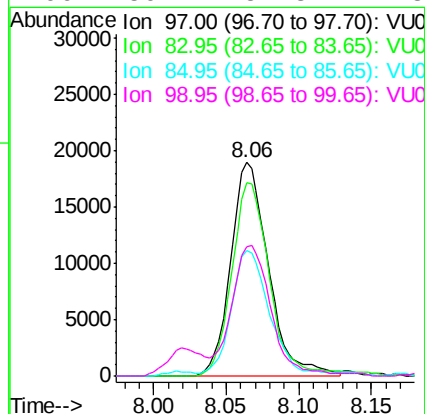
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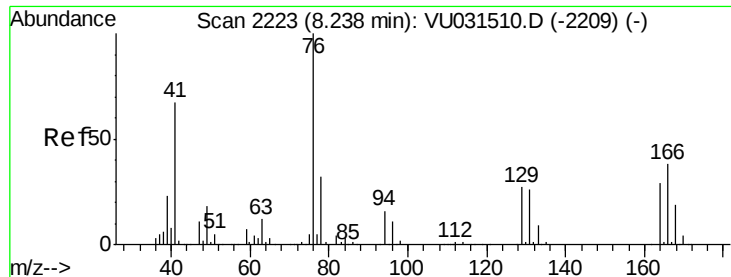
MMdadoda
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#52
 1,1,2-Trichloroethane
 Concen: 2.036 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.7	74.8	112.2
85	57.1	48.3	72.5
99	59.1	51.8	77.8





#53

1,3-Dichloropropane

Concen: 2.023 ug/l

RT: 8.24 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampled :

VU0426WBSD01

Tot Ion: 76 Resp: 59701

Ion Ratio Lower Upper

76 100

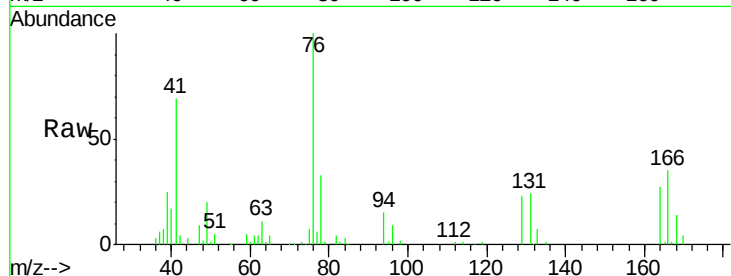
78 32.4 25.7 38.5

Manual Integrations

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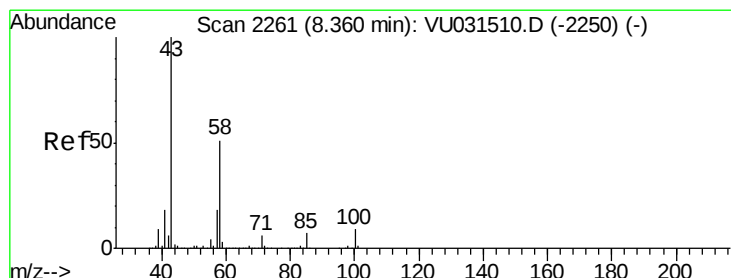
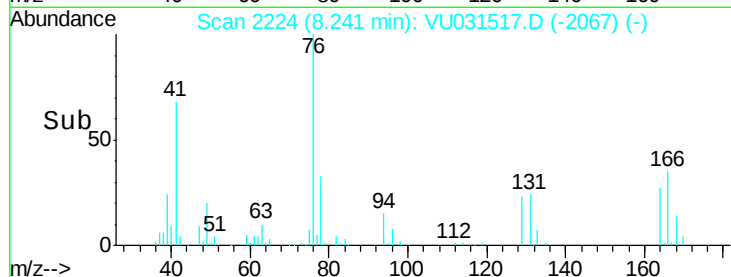
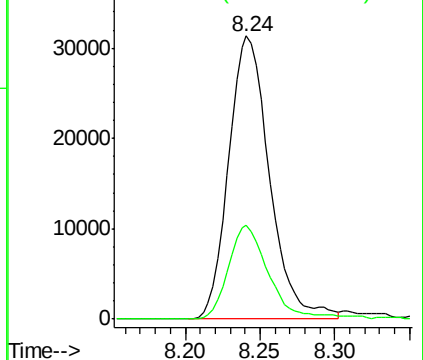
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Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0



#54

2-Hexanone

Concen: 9.687 ug/l

RT: 8.37 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

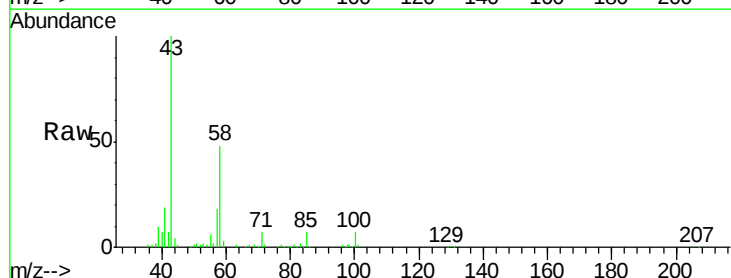
Tgt Ion: 43 Resp: 100774

Ion Ratio Lower Upper

43 100

58 45.9 30.3 70.3

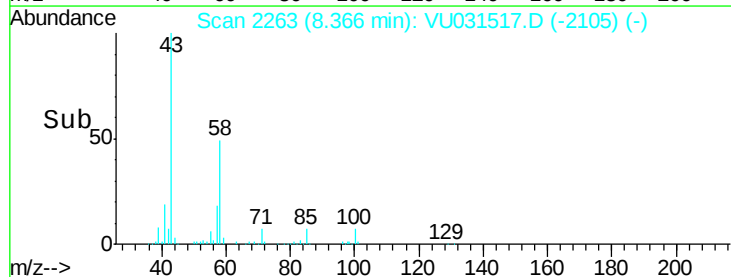
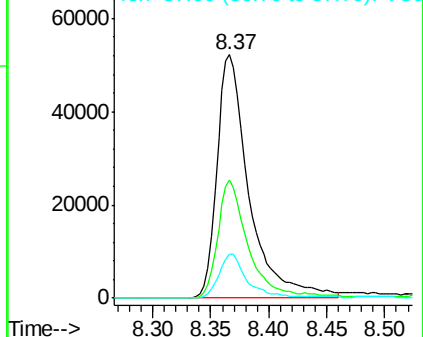
57 16.0 0.0 37.8

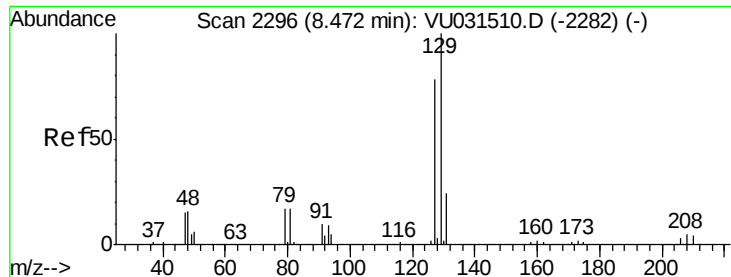


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#55

Dibromochloromethane

Concen: 1.998 ug/l

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

Tot Ion:129 Resp: 37912

Ion Ratio Lower Upper

129 100

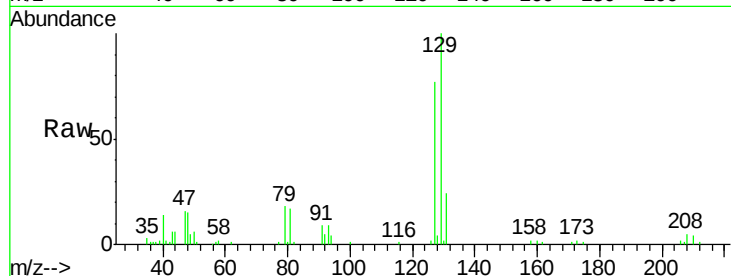
127 77.0 62.6 94.0

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.48

25000

20000

15000

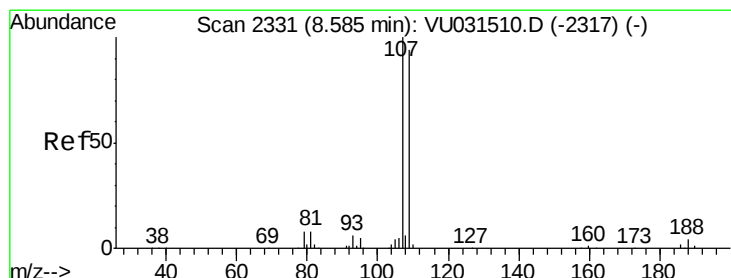
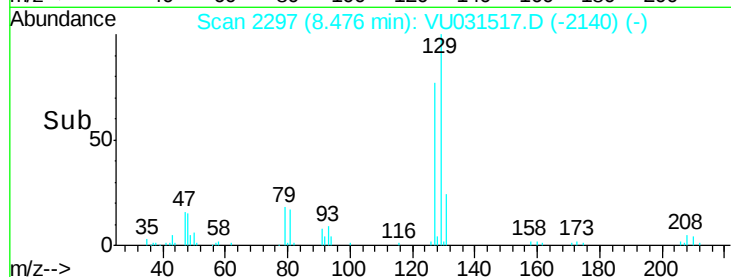
10000

5000

0

8.40 8.45 8.50 8.55

Time-->



#56

1,2-Dibromoethane

Concen: 1.978 ug/l

RT: 8.59 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU031517.D

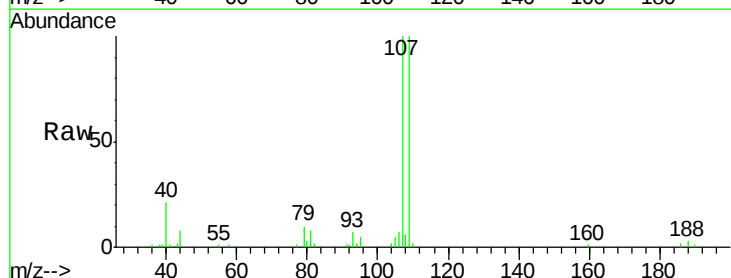
Acq: 26 Apr 2019 01:37

Tgt Ion:107 Resp: 29774

Ion Ratio Lower Upper

107 100

109 96.6 0.0 186.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.59

15000

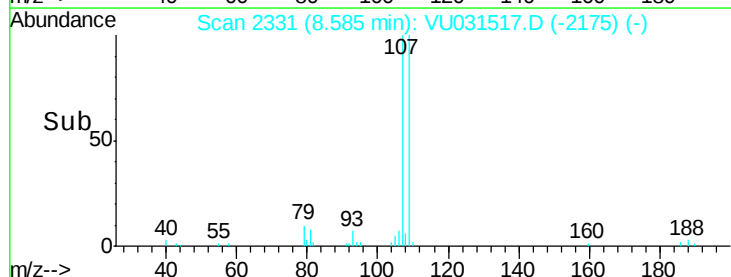
10000

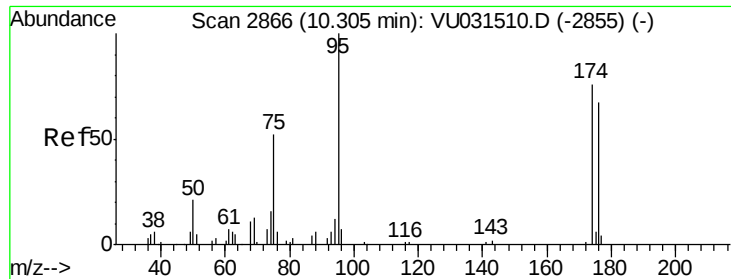
5000

0

8.50 8.55 8.60 8.65

Time-->





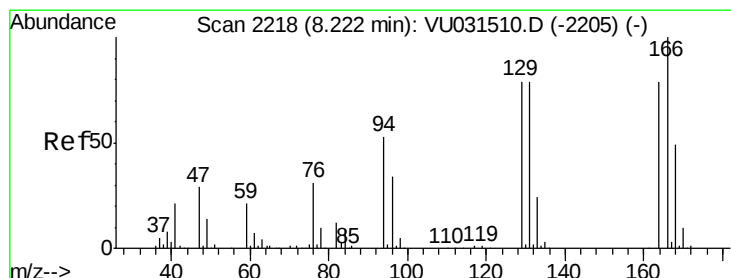
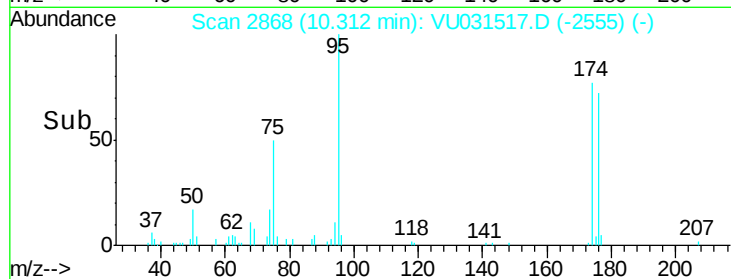
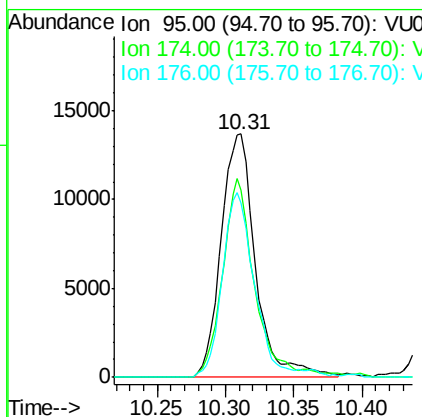
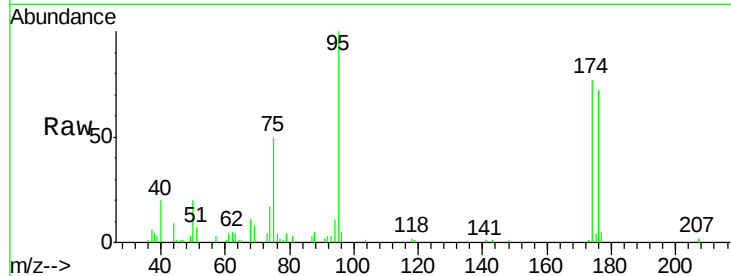
#57
4-Bromofluorobenzene
Concen: 0.953 ug/l
RT: 10.31 min Scan# 2868
Delta R.T. 0.01 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Instrument :
MSVOA_U
ClientSampleId :
VU0426WBSD01

Tot Ion	Ratio	Lower	Upper
95	100		
174	74.3	57.9	86.9
176	70.6	54.0	81.0

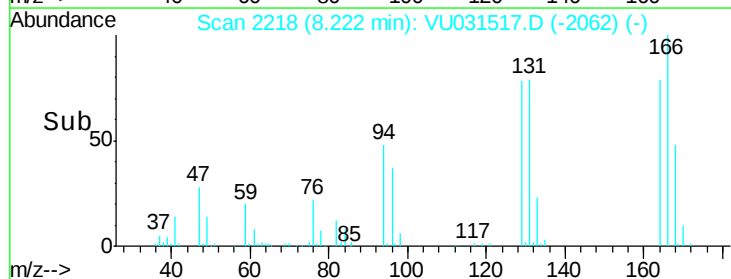
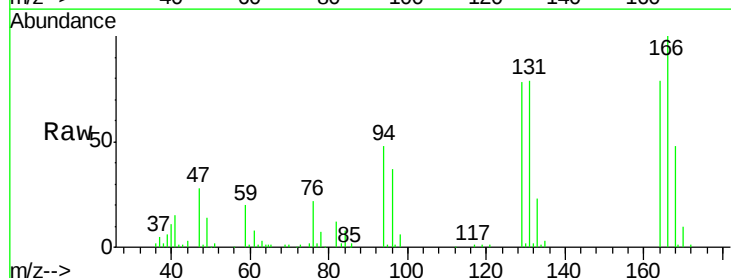
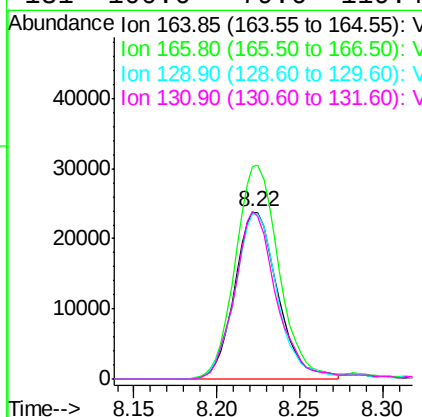
Manual Integrations
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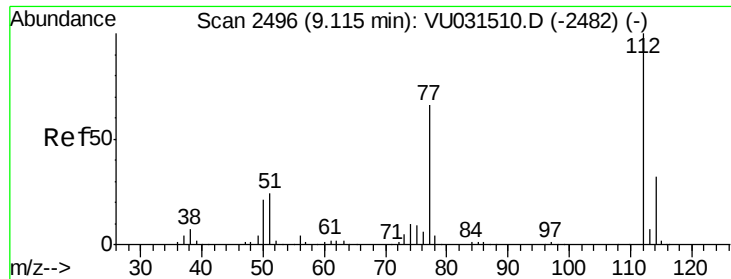
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#58
Tetrachloroethene
Concen: 1.964 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	101.2	151.8
129	98.7	80.2	120.4
131	100.6	79.6	119.4





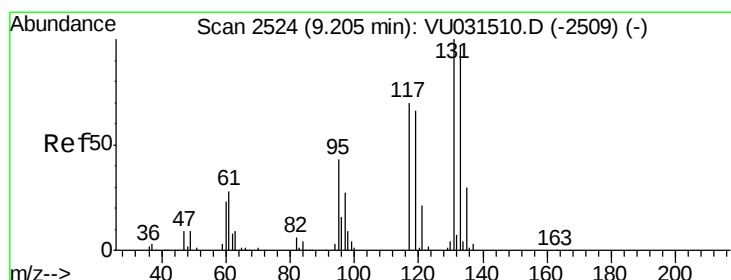
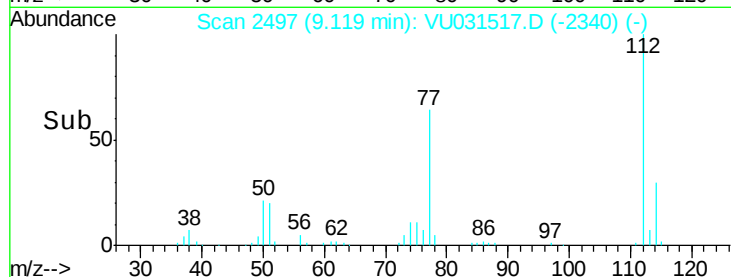
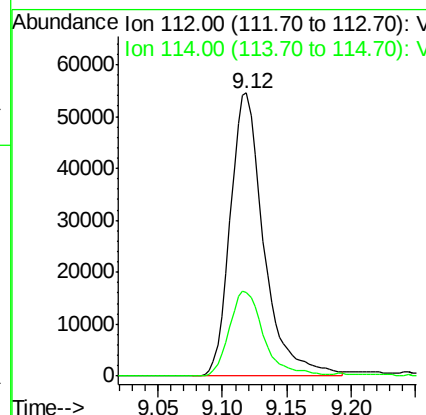
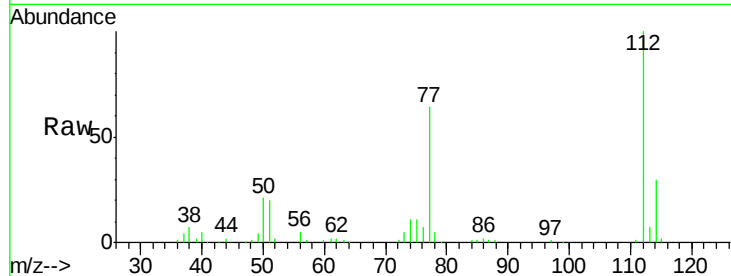
#59
Chlorobenzene
Concen: 1.947 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Instrument :
MSVOA_U
ClientSampleId :
VU0426WBSD01

Tot Ion:112 Resp: 98595
Ion Ratio Lower Upper
112 100
114 29.7 25.8 38.6

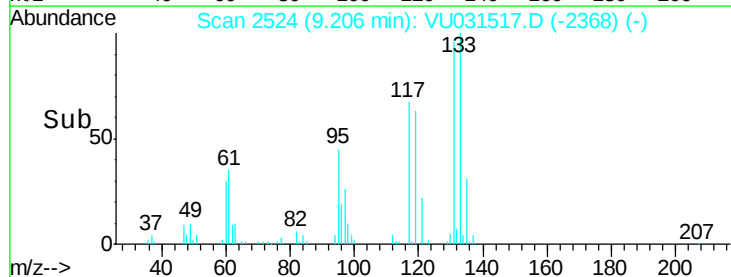
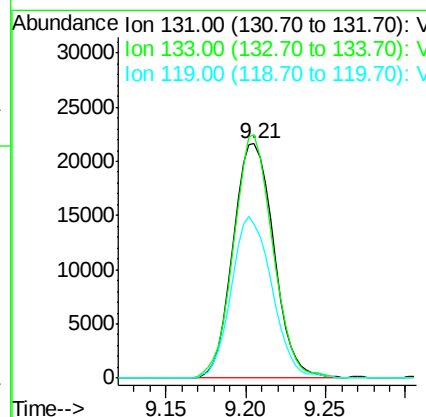
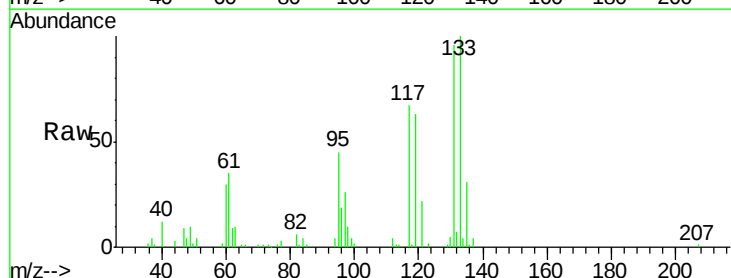
Manual Integrations
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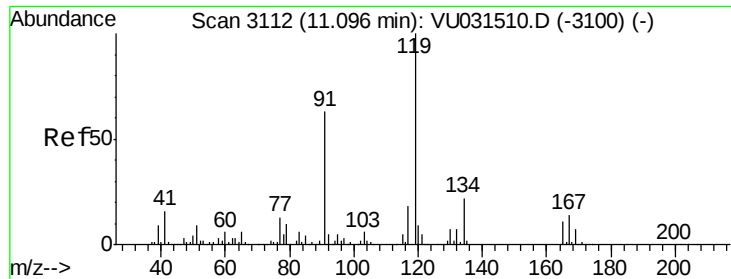
MMdadoda
4/26/2019 12:23:17 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 1.902 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tgt Ion:131 Resp: 37564
Ion Ratio Lower Upper
131 100
133 99.8 77.7 116.5
119 68.8 53.4 80.0





#61

Pentachloroethane

Concen: 1.925 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

Tot Ion:117 Resp: 26941

Ion Ratio Lower Upper

117 100

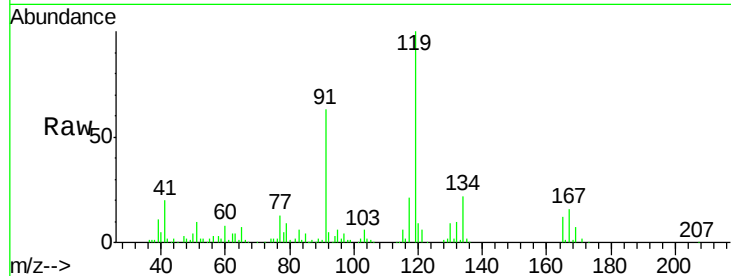
167 71.7 62.5 93.7

Manual Integrations

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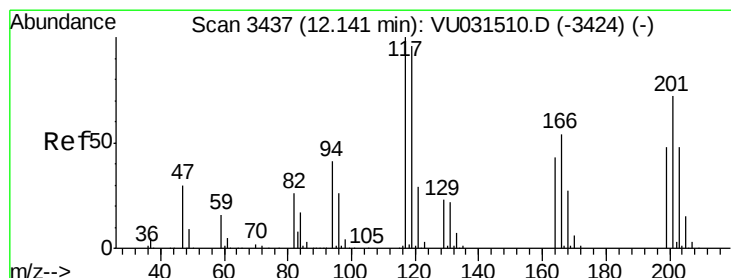
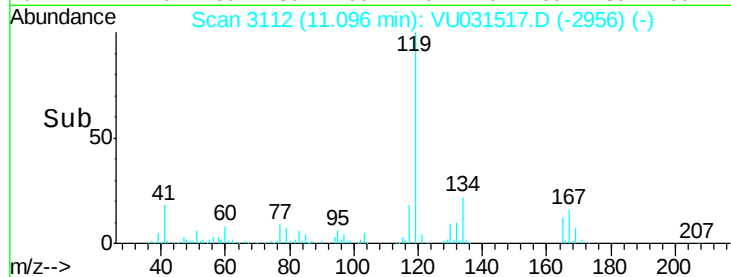
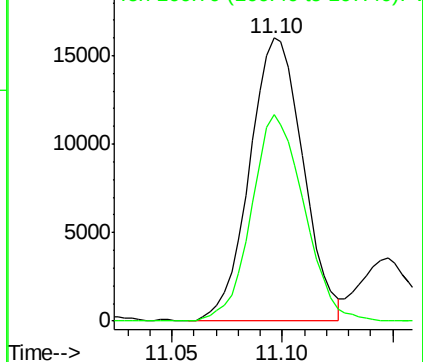
MMdadoda

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 2.032 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU031517.D

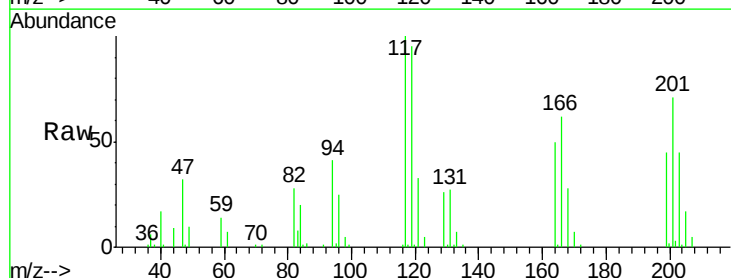
Acq: 26 Apr 2019 01:37

Tgt Ion:117 Resp: 28009

Ion Ratio Lower Upper

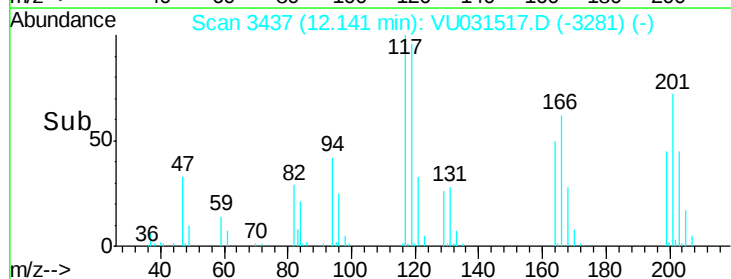
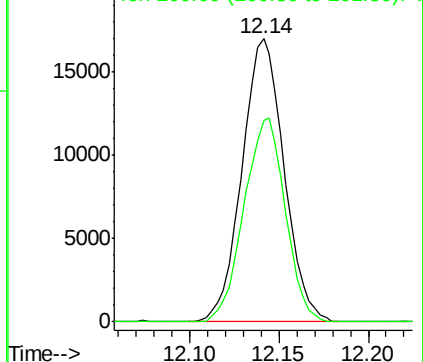
117 100

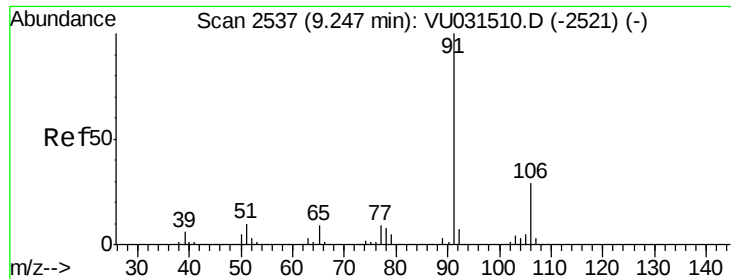
201 70.4 60.0 90.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 1.850 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

Tot Ion: 91 Resp: 153417

Ion Ratio Lower Upper

91 100

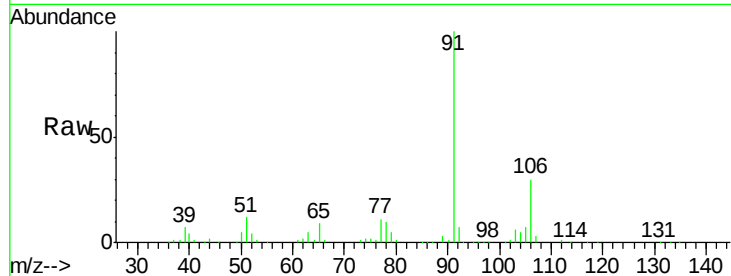
106 29.8 23.4 35.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU031517.D (-2381) (-)

Ion 106.00 (105.70 to 106.70): VU031517.D (-2381) (-)

150000

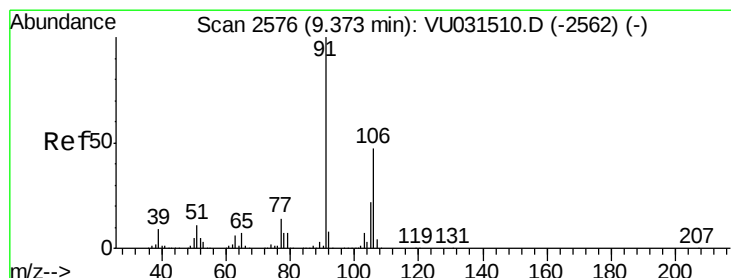
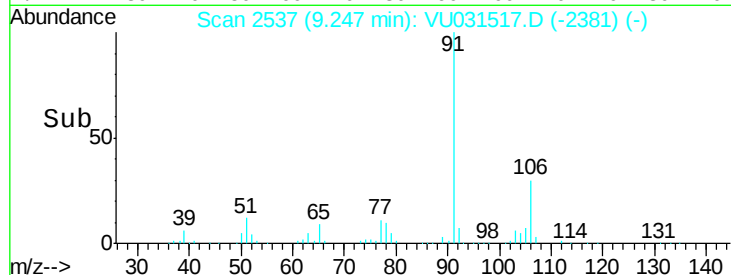
100000

50000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#64

m/p-Xylenes

Concen: 3.646 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031517.D

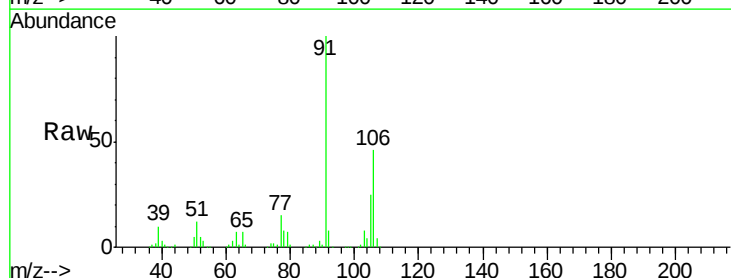
Acq: 26 Apr 2019 01:37

Tgt Ion: 106 Resp: 113115

Ion Ratio Lower Upper

106 100

91 219.7 171.0 256.4



Abundance Ion 106.00 (105.70 to 106.70): VU031517.D (-2420) (-)

Ion 91.00 (90.70 to 91.70): VU031517.D (-2420) (-)

150000

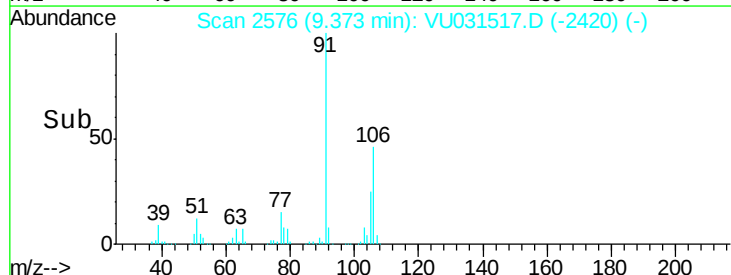
100000

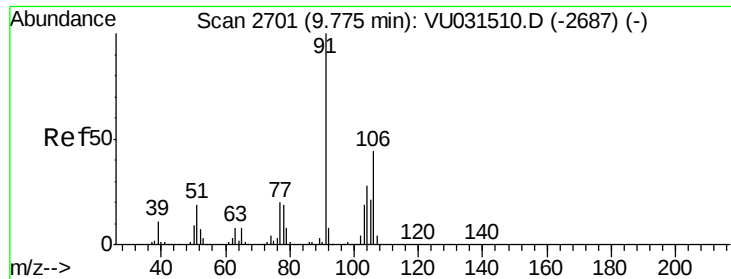
50000

0

9.30 9.35 9.40 9.45

Time-->





#65

o-Xylene

Concen: 1.841 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

Tot Ion:106 Resp: 55509

Ion Ratio Lower Upper

106 100

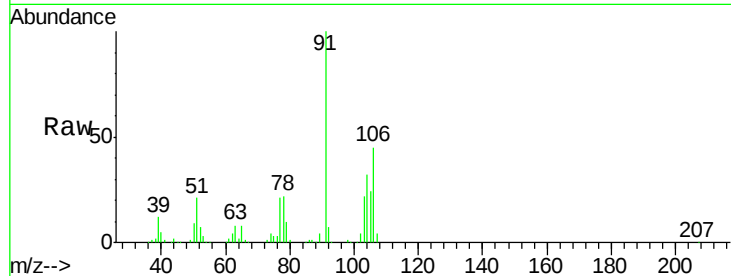
91 235.4 113.8 341.4

Manual Integrations

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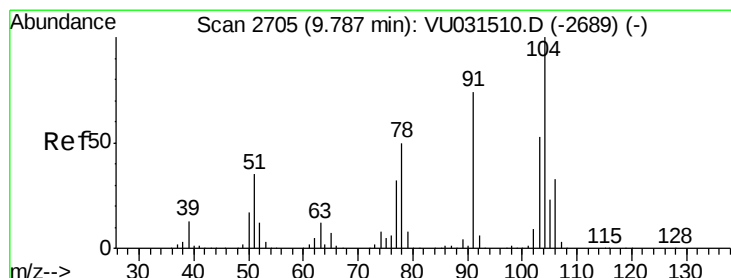
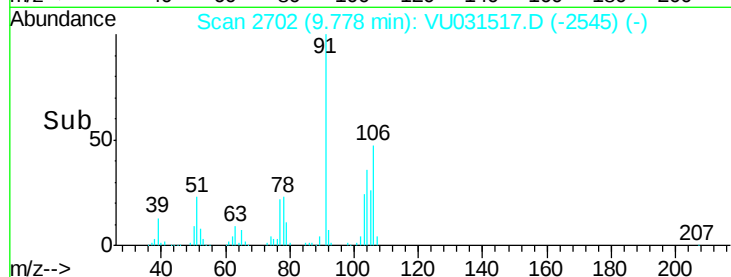
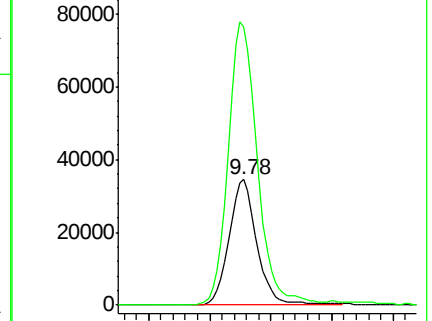
MMdadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 1.833 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

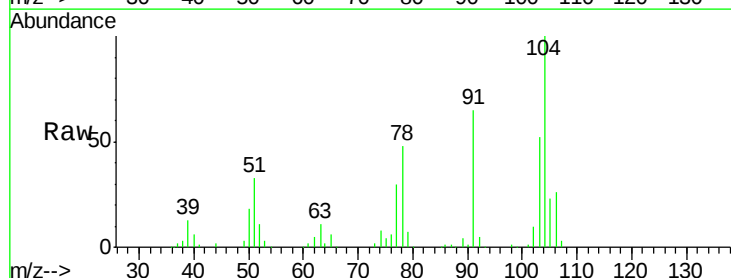
Tgt Ion:104 Resp: 93479

Ion Ratio Lower Upper

104 100

78 54.6 42.5 63.7

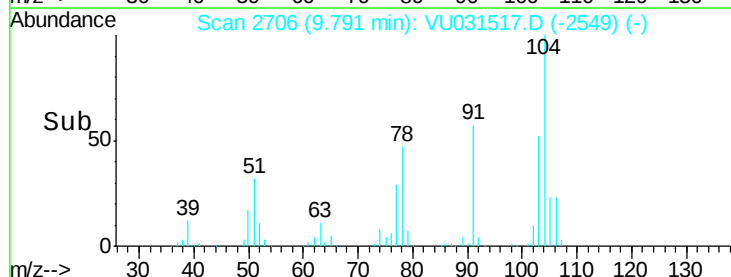
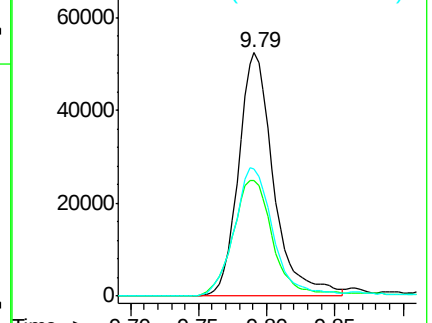
103 58.3 44.5 66.7

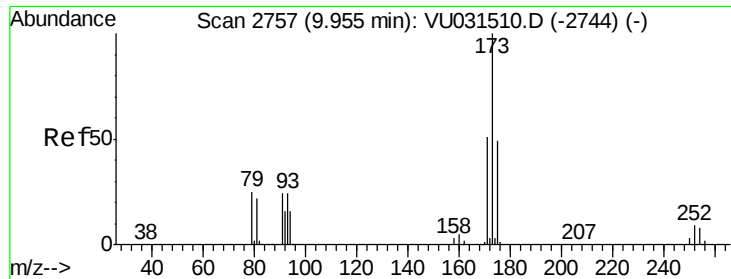


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





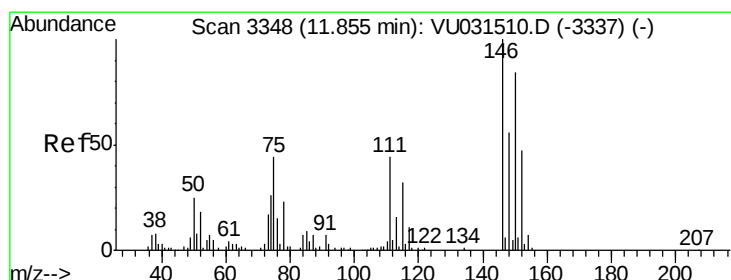
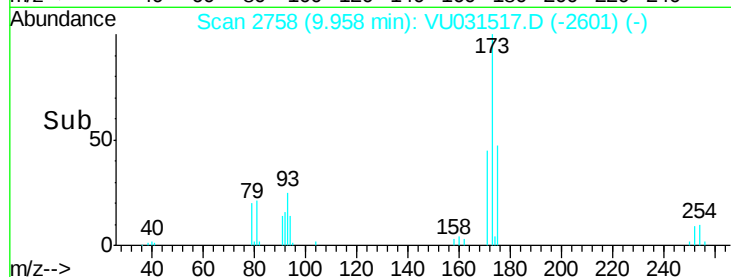
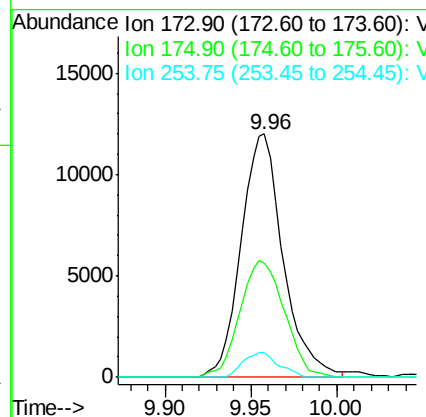
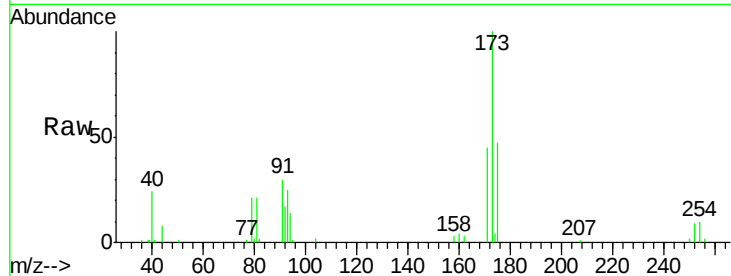
#67
Bromoform
Concen: 1.921 ug/l
RT: 9.96 min Scan# 2758
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Instrument :
MSVOA_U
ClientSampleId :
VU0426WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.8	38.7	58.1
254	8.6	6.0	9.0

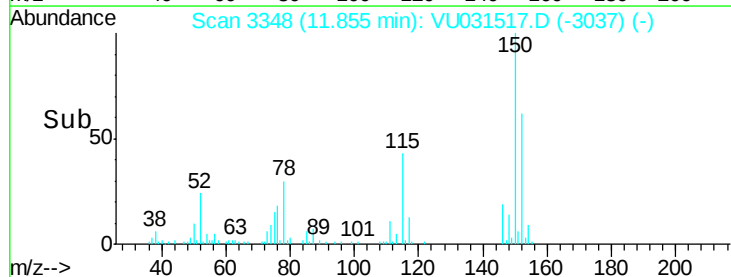
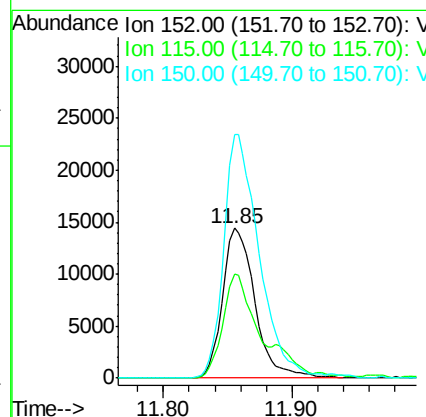
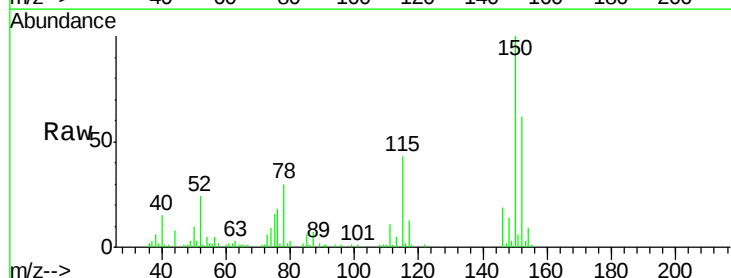
Manual Integrations
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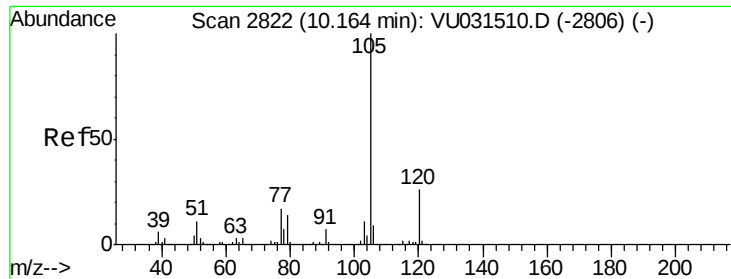
MMdadoda
4/26/2019 12:23:17 PM



#68
1,2-Dichlorobenzene-d4
Concen: 1.075 ug/l
RT: 11.85 min Scan# 3348
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.5	0.0	123.2
150	177.1	0.0	658.2





#69

Isopropylbenzene

Concen: 1.944 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

Tot Ion:105 Resp: 153501

Ion Ratio Lower Upper

105 100

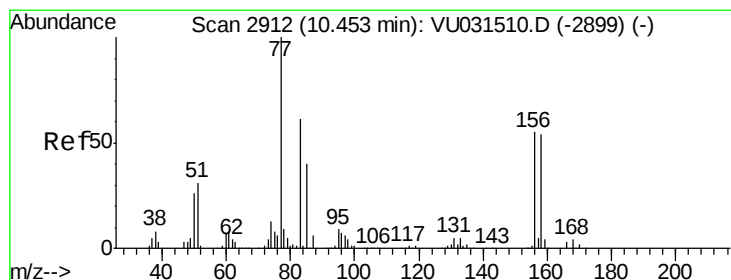
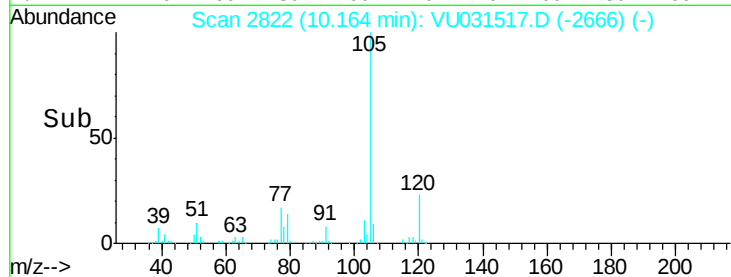
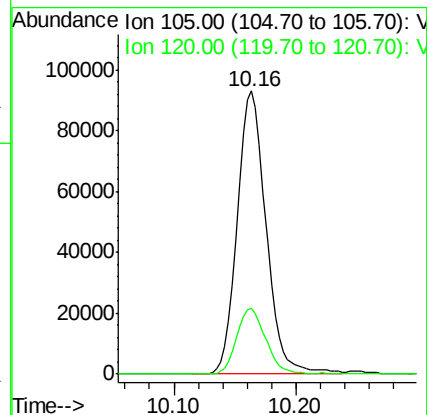
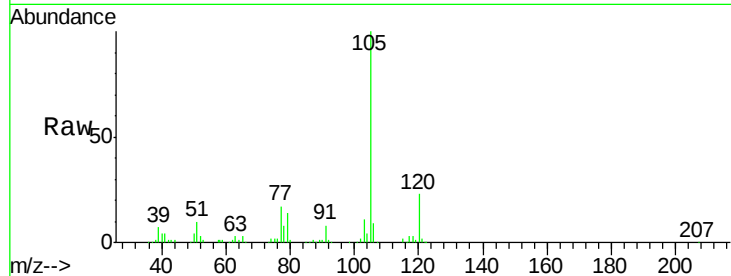
120 23.2 12.4 37.4

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 2.009 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

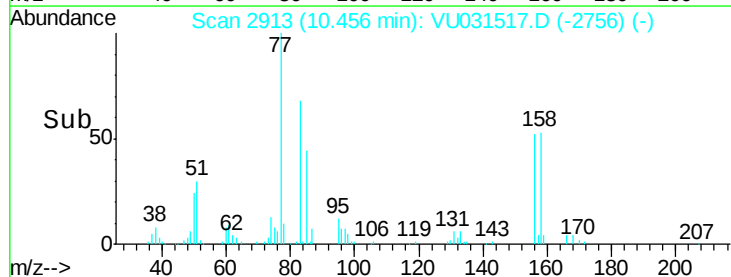
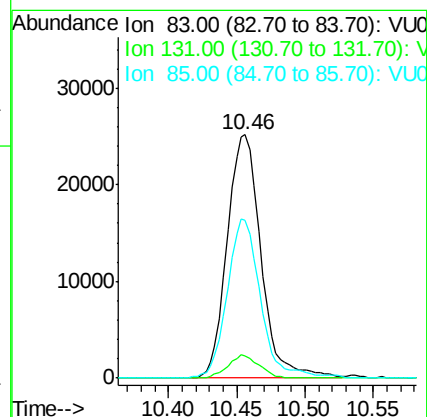
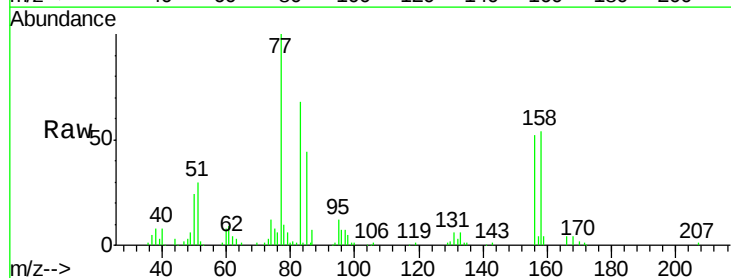
Tgt Ion: 83 Resp: 43515

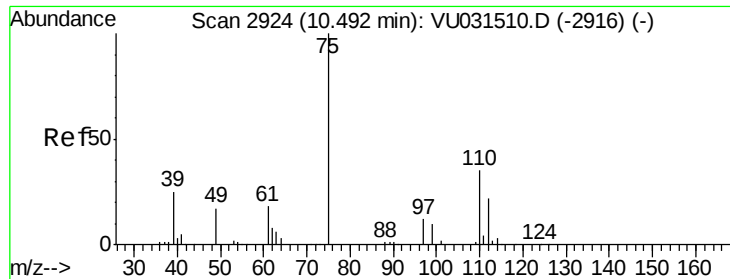
Ion Ratio Lower Upper

83 100

131 8.6 7.2 10.8

85 64.0 52.8 79.2





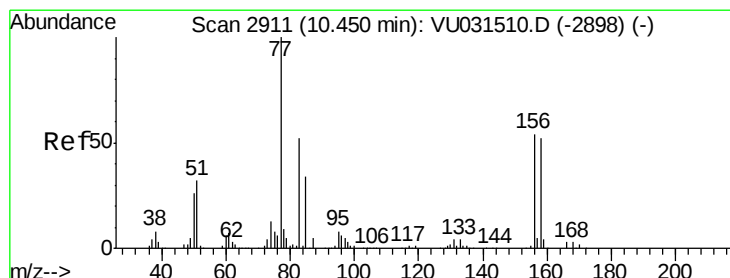
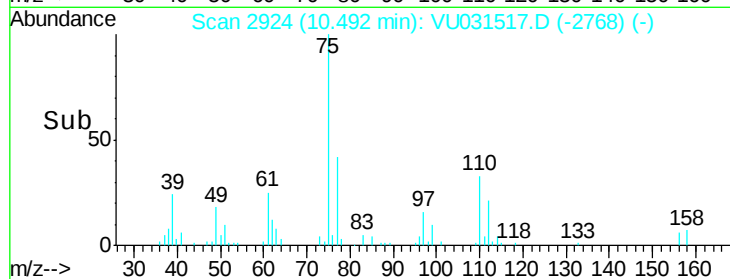
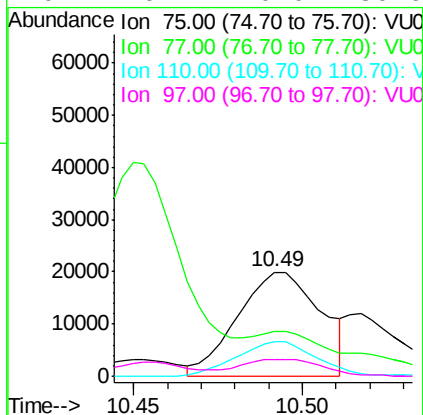
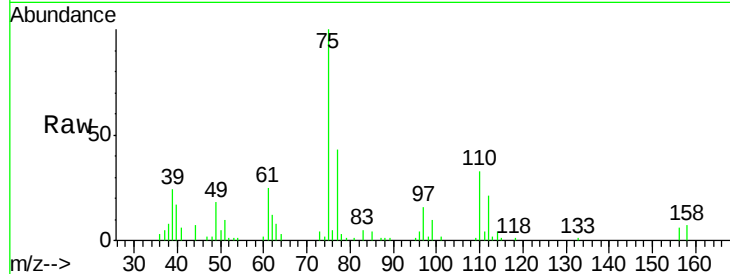
#71
 1,2,3-Trichloropropane
 Concen: 2.160 ug/l m
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0426WBSD01

Tot Ion:	75	Resp:	34092
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0
110	32.4	0.0	68.2
97	16.7	0.0	36.6

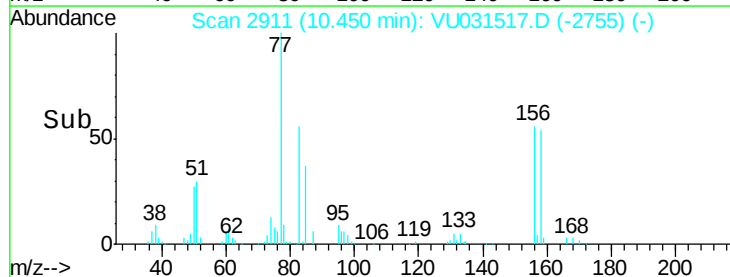
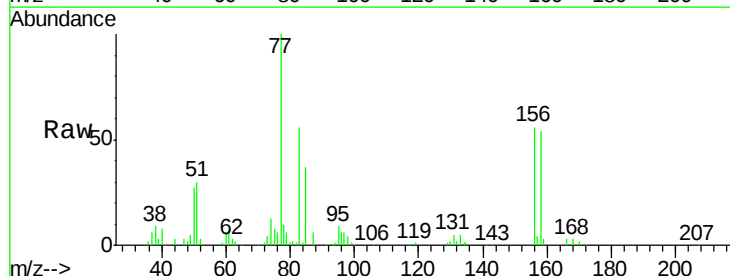
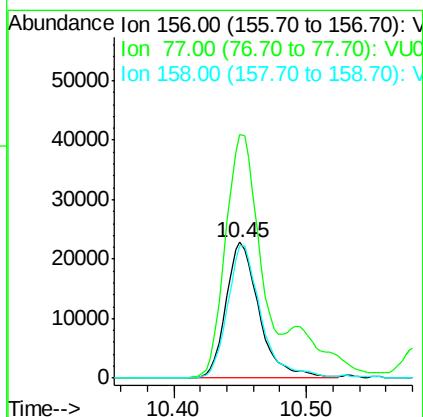
Manual Integrations
 APPROVED

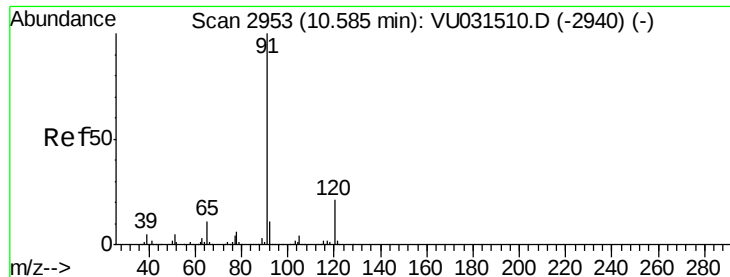
MMdadoda
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#72
 Bromobenzene
 Concen: 1.997 ug/l
 RT: 10.45 min Scan# 2911
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Tgt Ion:	156	Resp:	39982
Ion Ratio	Lower	Upper	
156	100		
77	184.1	0.0	353.4
158	97.8	0.0	190.6





#73

n-propylbenzene

Concen: 1.873 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampled :

VU0426WBSD01

Tot Ion:120 Resp: 38269

Ion Ratio Lower Upper

120 100

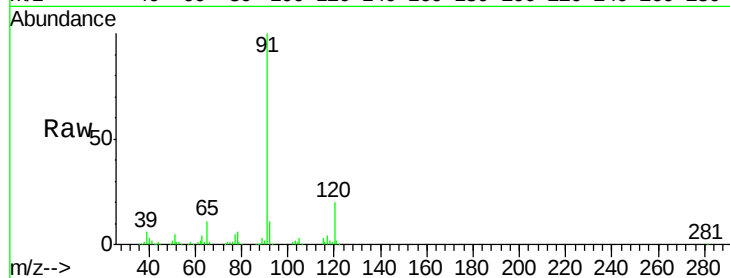
91 491.3 373.9 560.9

Manual Integrations

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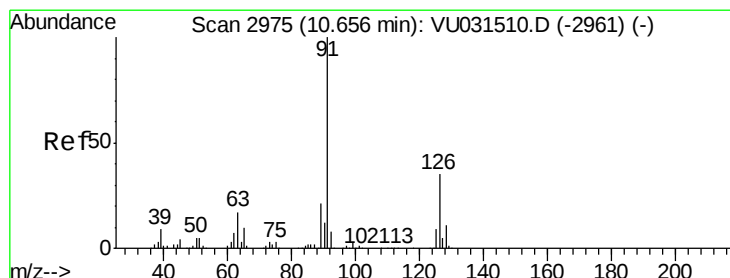
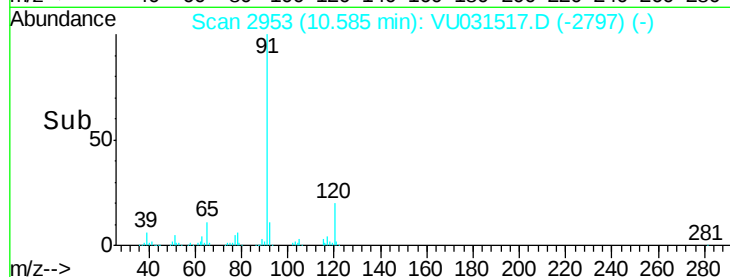
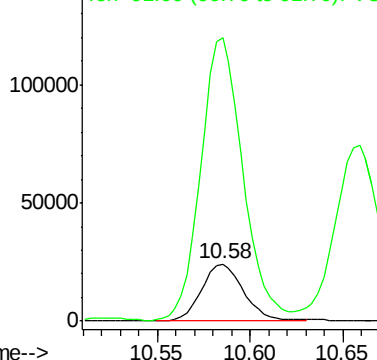
MMdadoda

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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.914 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU031517.D

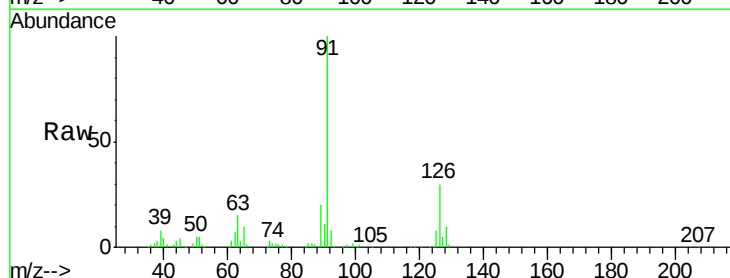
Acq: 26 Apr 2019 01:37

Tgt Ion:126 Resp: 37267

Ion Ratio Lower Upper

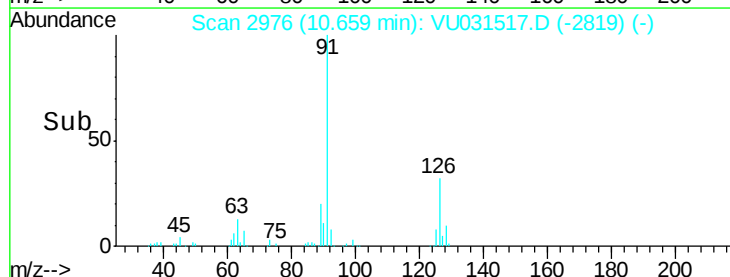
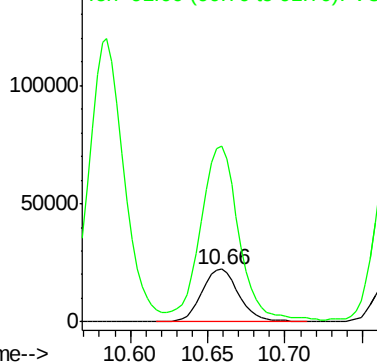
126 100

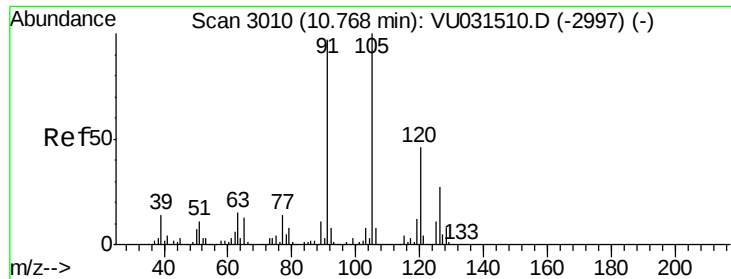
91 341.7 0.0 659.6



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: 1.832 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

Tot Ion:105 Resp: 128103

Ion Ratio Lower Upper

105 100

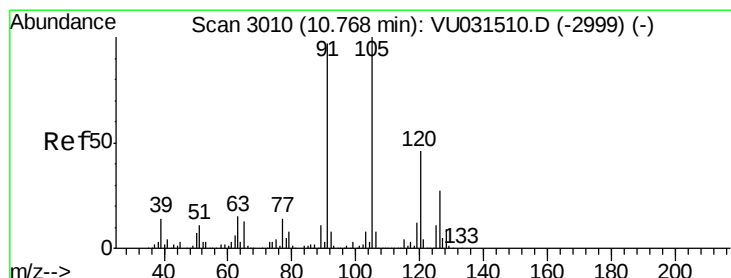
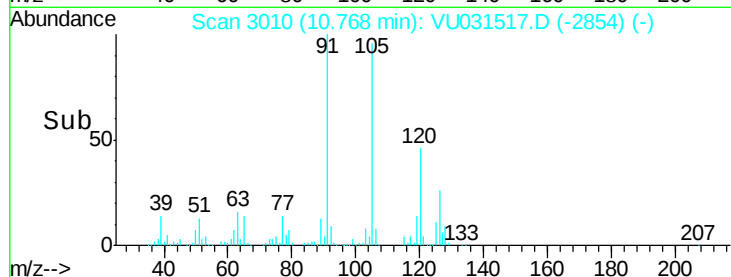
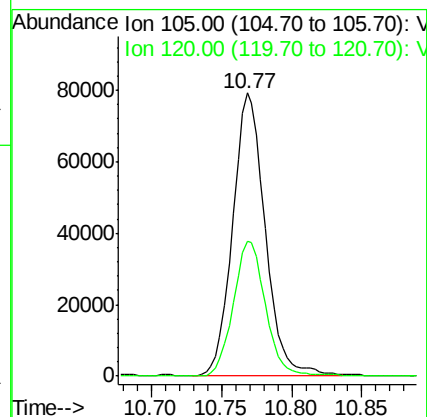
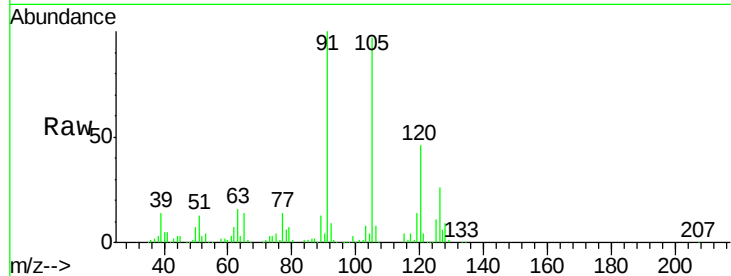
120 47.3 36.8 55.2

Manual Integrations

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#76

4-Chlorotoluene

Concen: 1.938 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU031517.D

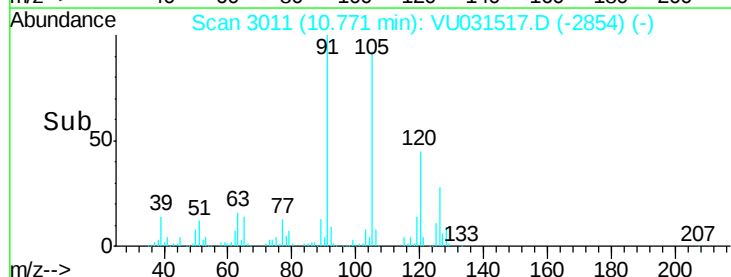
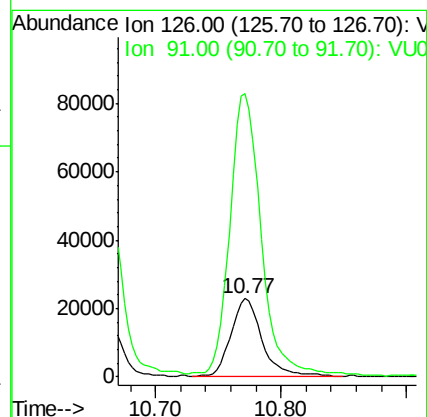
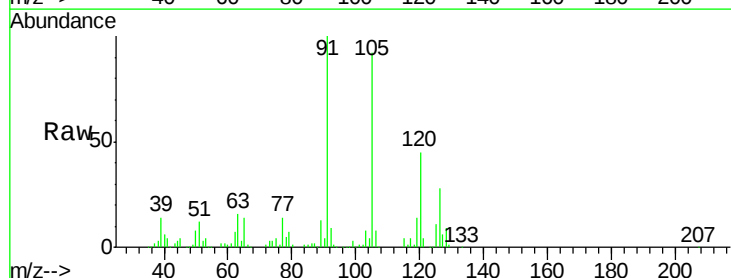
Acq: 26 Apr 2019 01:37

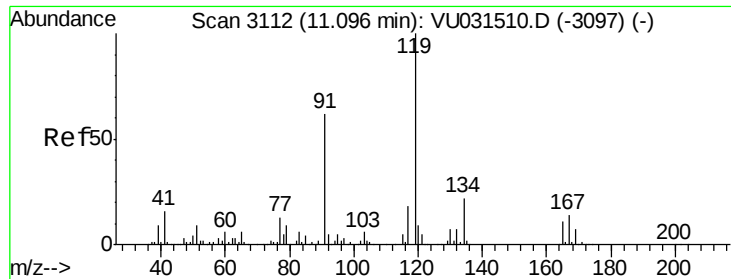
Tgt Ion:126 Resp: 39288

Ion Ratio Lower Upper

126 100

91 368.5 0.0 732.0





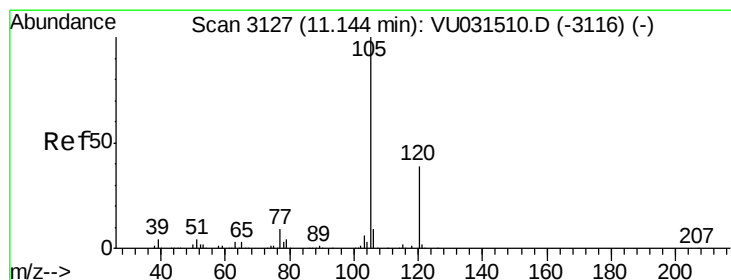
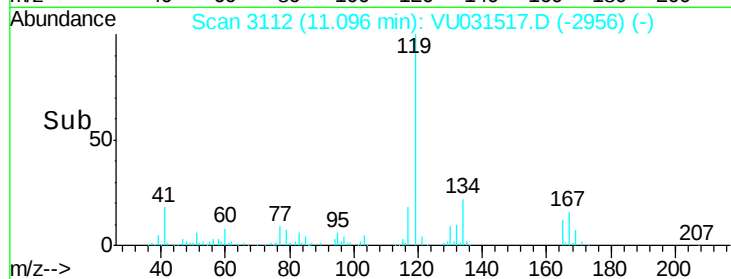
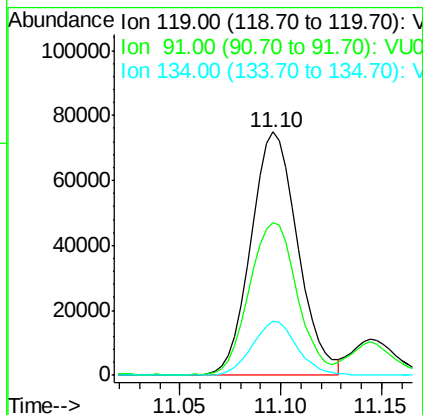
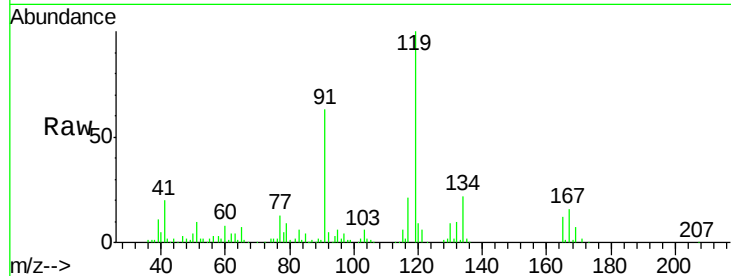
#77
tert-Butylbenzene
Concen: 1.929 ug/l
RT: 11.10 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Instrument :
MSVOA_U
ClientSampleId :
VU0426WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	121696		
91	63.8		31.4	94.2
134	21.5		17.4	26.2

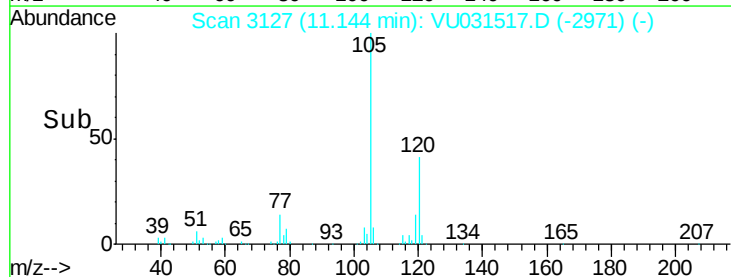
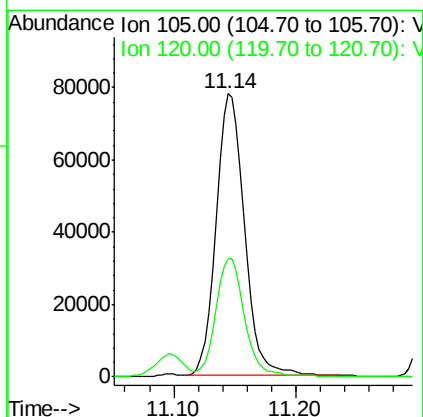
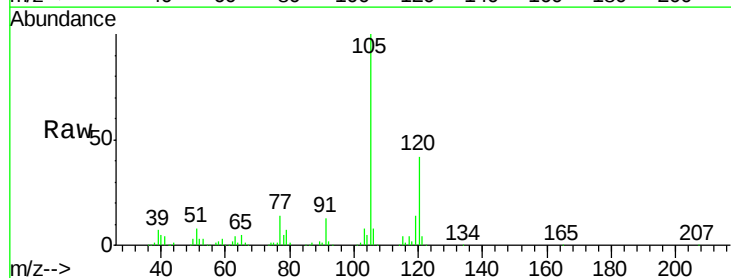
Manual Integrations
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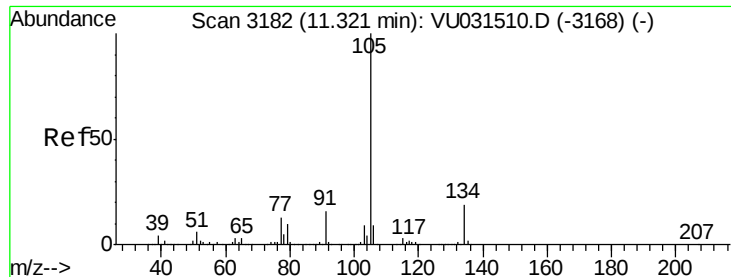
MMDadoda
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#78
1,2,4-Trimethylbenzene
Concen: 1.810 ug/l
RT: 11.14 min Scan# 3127
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	128139		
120	41.5		21.6	65.0





#79

sec-Butylbenzene

Concen: 1.992 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

ClientSampleId :

VU0426WBSD01

Tot Ion:105 Resp: 171457

Ion Ratio Lower Upper

105 100

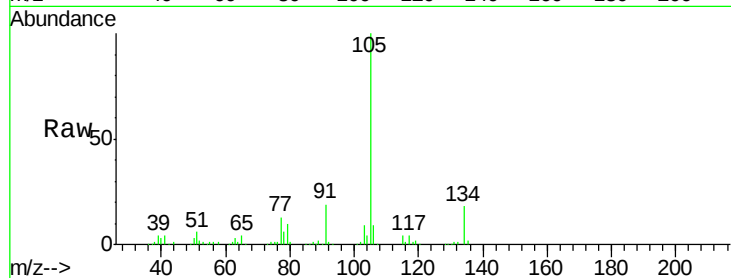
134 17.9 15.0 22.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

120000

100000

80000

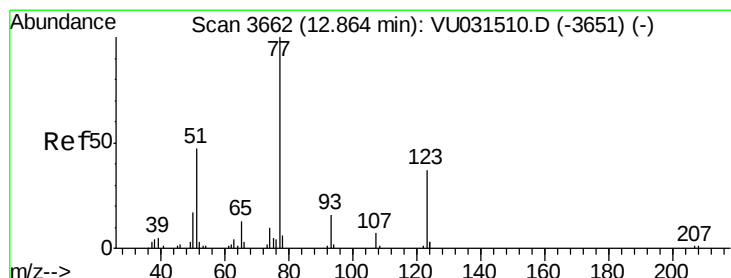
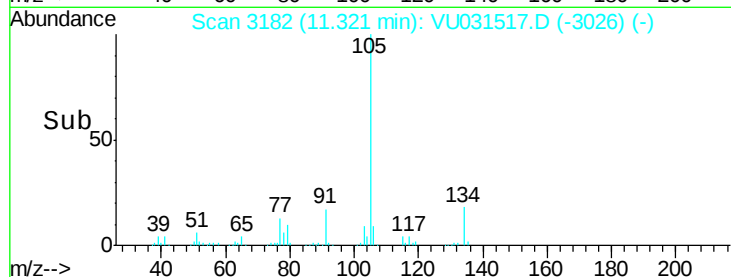
60000

40000

20000

0

Time-->



#80

Nitrobenzene

Concen: 5.095 ug/l m

RT: 12.89 min Scan# 3669

Delta R.T. 0.02 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

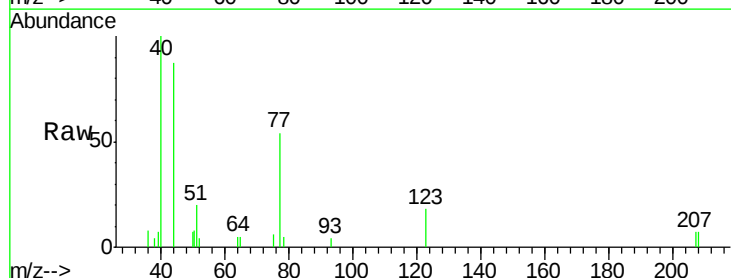
Tgt Ion: 77 Resp: 2656

Ion Ratio Lower Upper

77 100

123 32.4 17.2 61.0

65 9.1 9.7 12.3#



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

2000

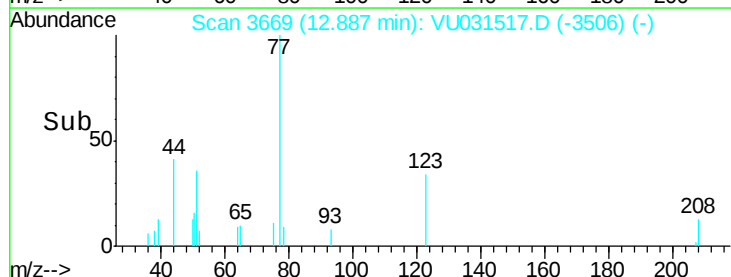
1500

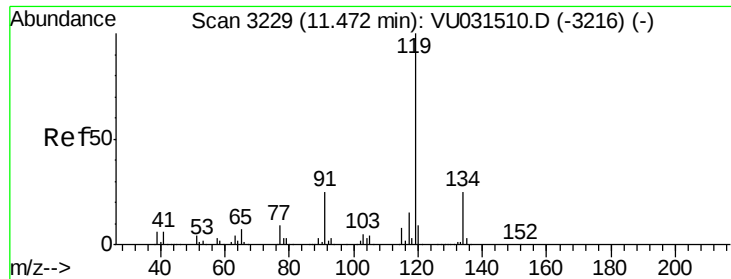
1000

500

0

Time-->





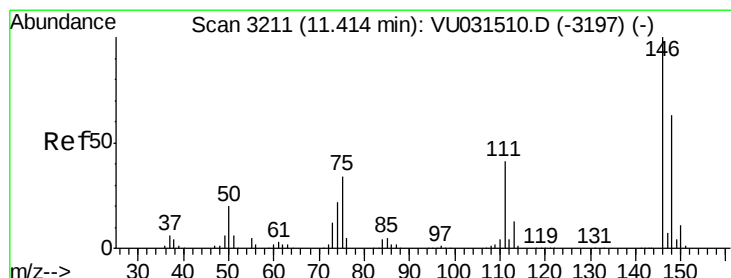
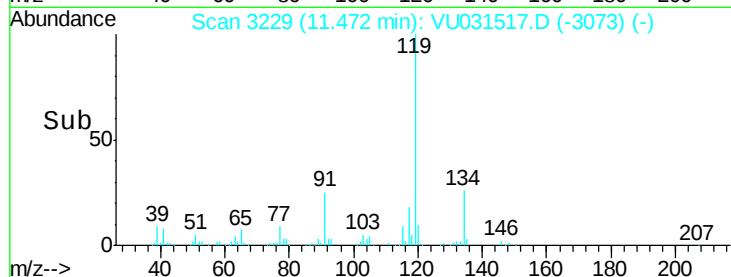
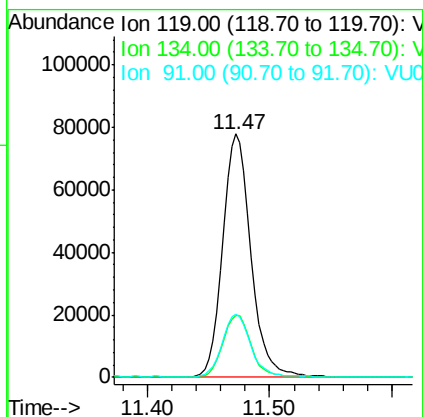
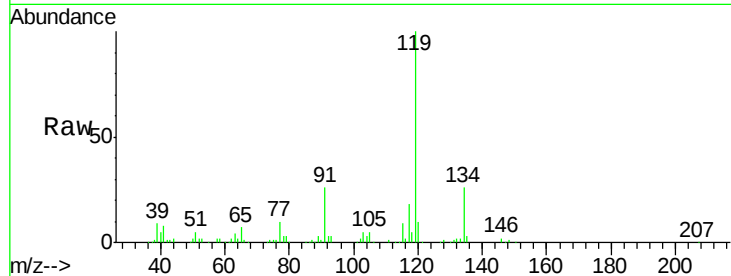
#81
 p-Isopropyltoluene
 Concen: 1.823 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Instrument :
 MSVOA_U
 ClientSampled :
 VU0426WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	125986		
134	25.7		20.3	30.5
91	26.2		20.3	30.5

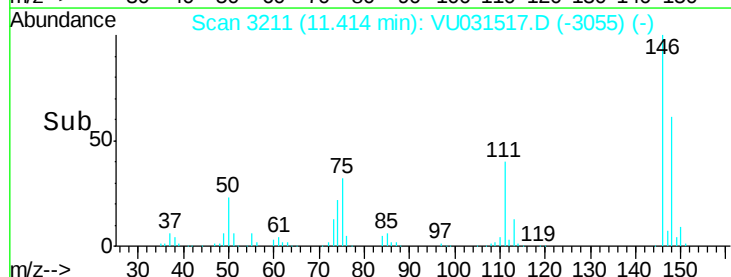
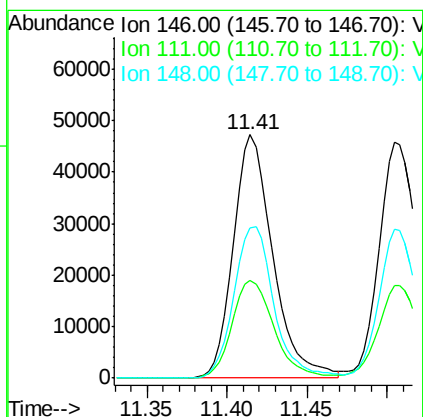
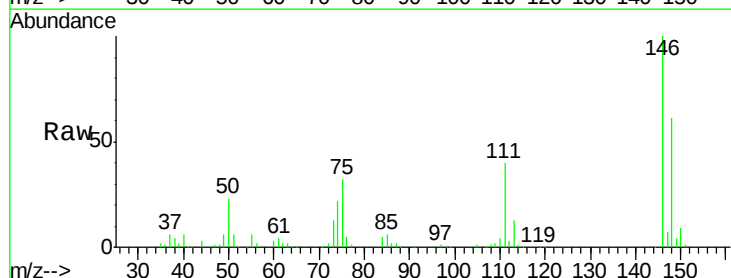
Manual Integrations
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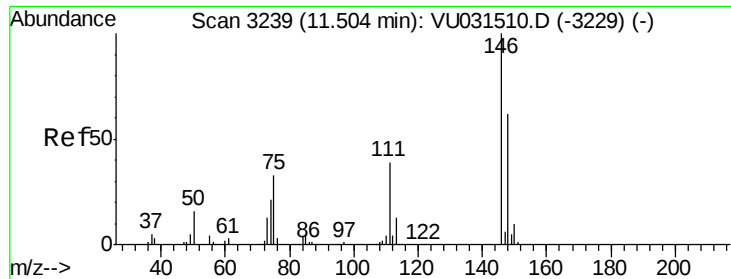
MMDadoda
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#82
 1,3-Dichlorobenzene
 Concen: 2.012 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	79680		
111	42.8		33.4	50.0
148	63.2		50.2	75.4





#83

1,4-Dichlorobenzene

Concen: 2.018 ug/l

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Instrument :

MSVOA_U

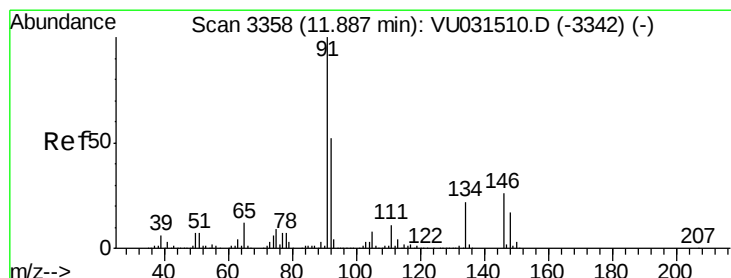
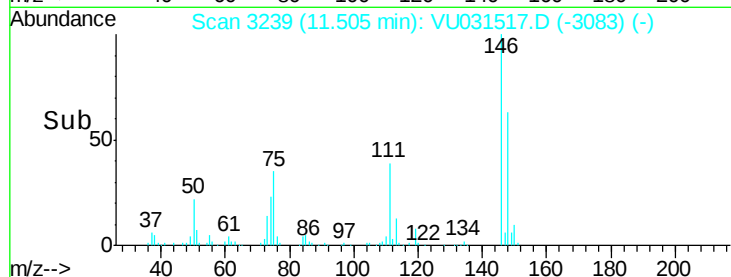
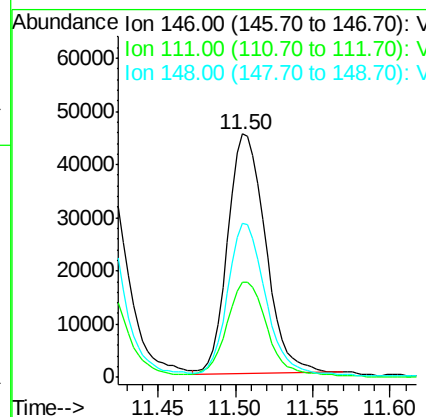
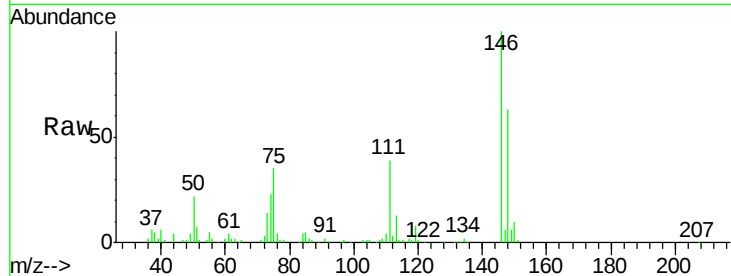
ClientSampleId :

VU0426WBSD01

Tot Ion:	146	Resp:	76736
Ion	Ratio	Lower	Upper
146	100		
111	43.0	32.2	48.4
148	65.2	51.2	76.8

Manual Integrations
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#84

n-Butylbenzene

Concen: 1.863 ug/l

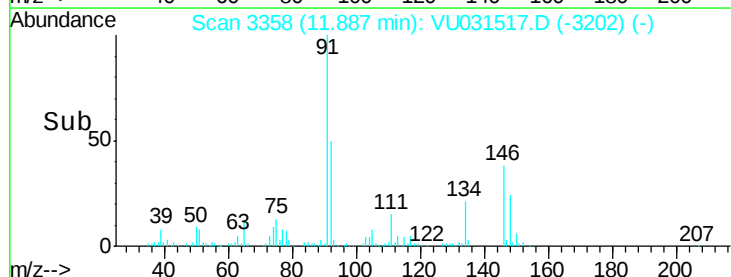
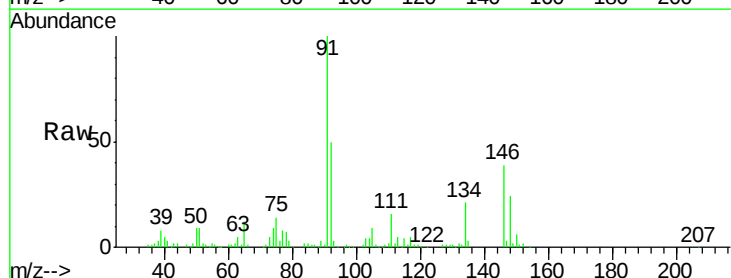
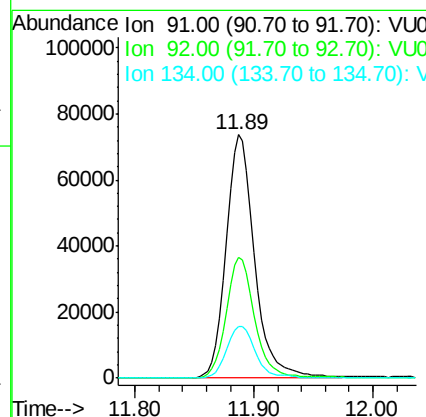
RT: 11.89 min Scan# 3358

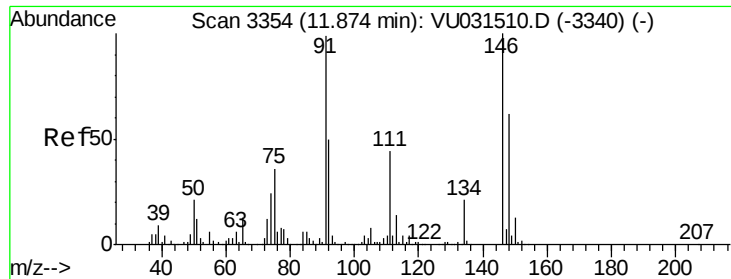
Delta R.T. 0.00 min

Lab File: VU031517.D

Acq: 26 Apr 2019 01:37

Tgt Ion:	91	Resp:	122363
Ion	Ratio	Lower	Upper
91	100		
92	49.4	41.2	61.8
134	21.4	18.1	27.1





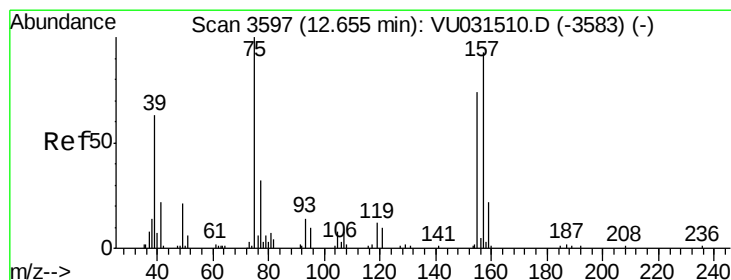
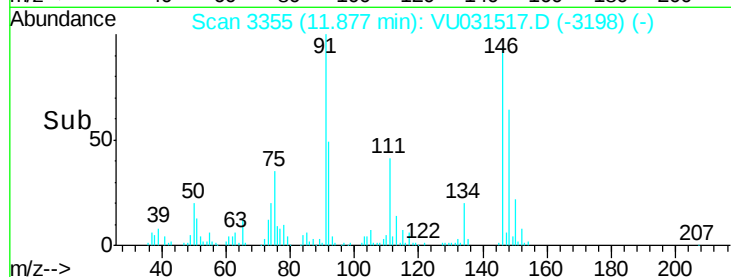
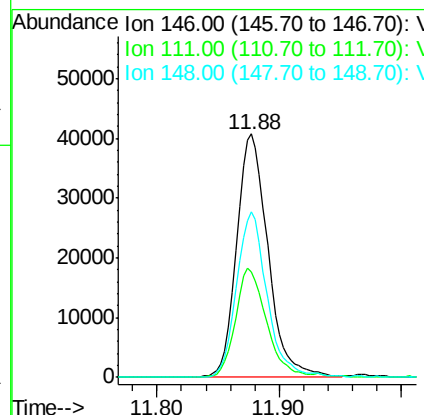
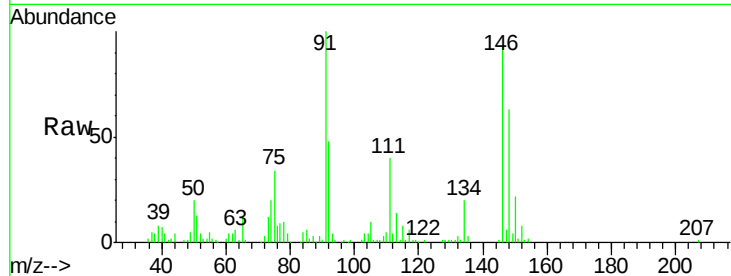
#85
 1,2-Dichlorobenzene
 Concen: 1.938 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0426WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.7	65.1
148	66.1	31.6	94.7

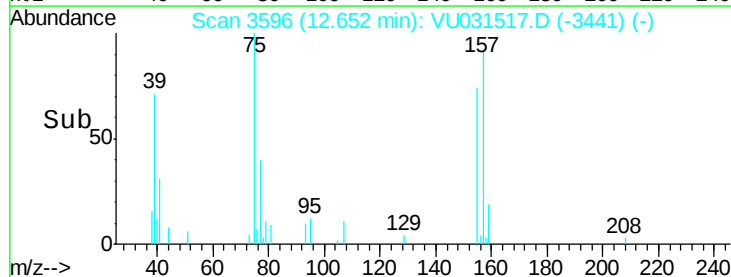
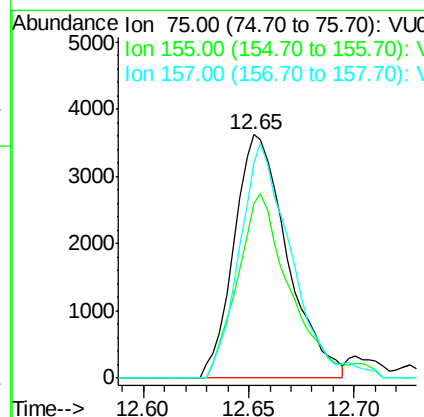
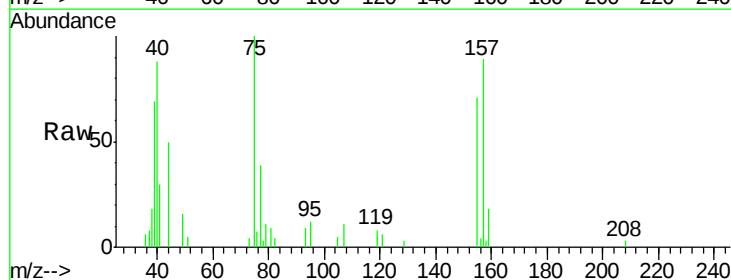
Manual Integrations
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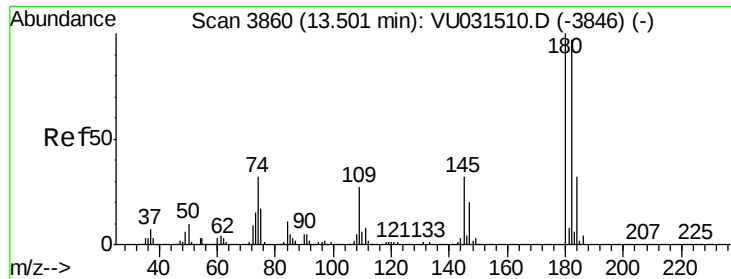
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 2.031 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.7	58.5	87.7
157	94.1	75.0	112.4





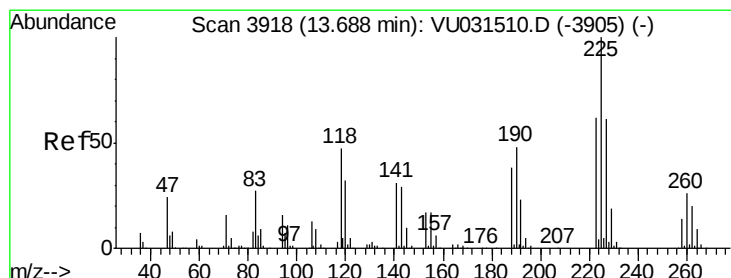
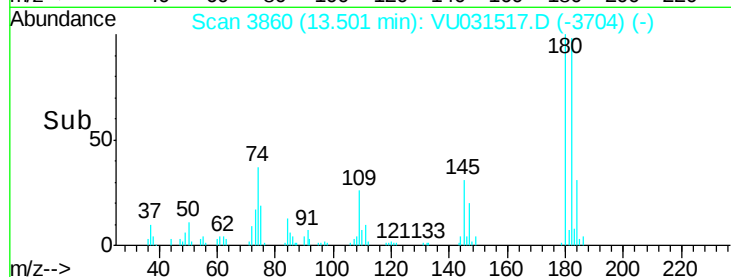
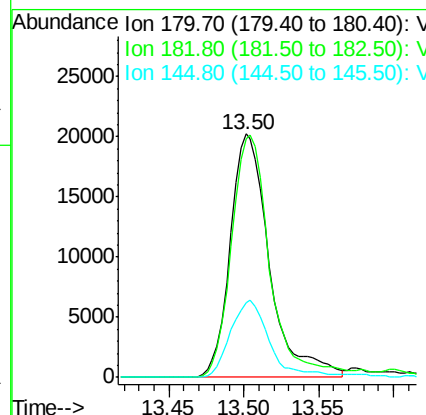
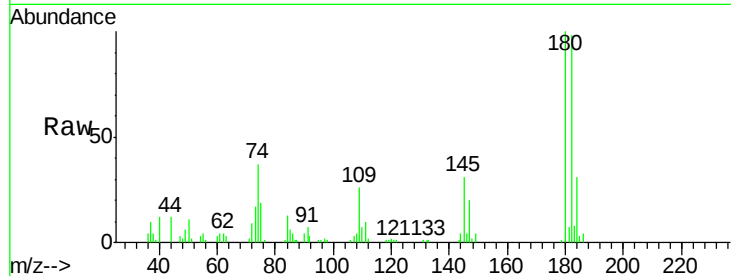
#87
 1,2,4-Trichlorobenzene
 Concen: 1.929 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0426WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.5	113.3
145	31.1	23.9	35.9

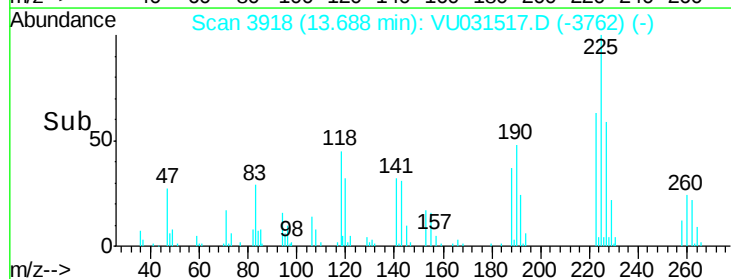
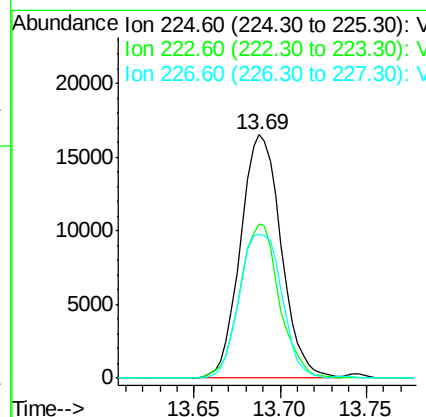
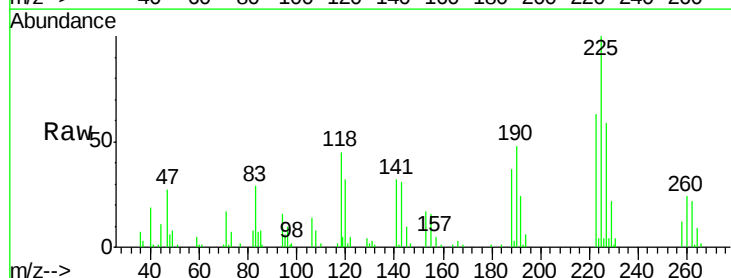
Manual Integrations
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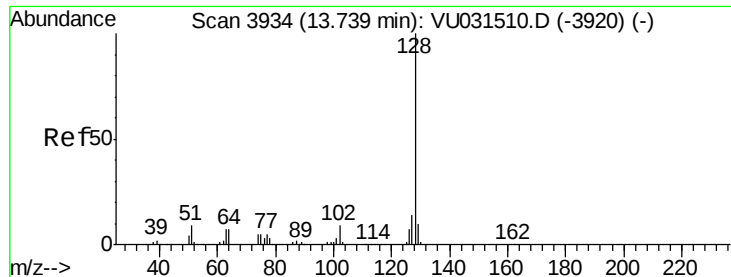
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#88
 Hexachlorobutadiene
 Concen: 1.968 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU031517.D
 Acq: 26 Apr 2019 01:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	50.2	75.4
227	61.7	50.4	75.6





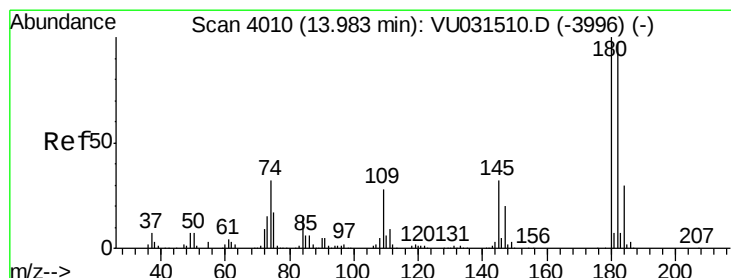
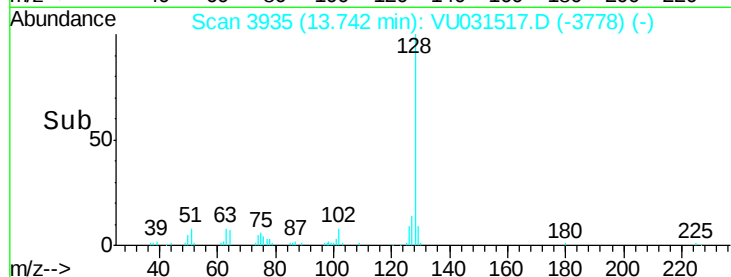
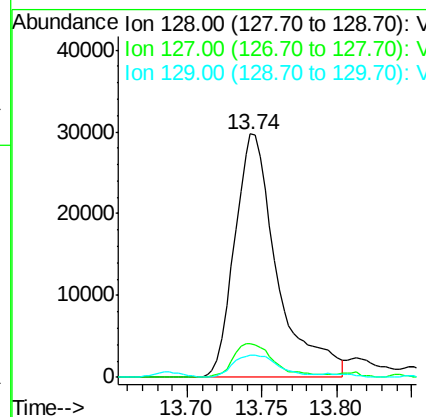
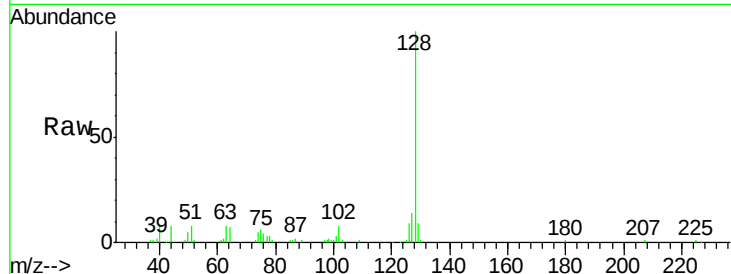
#89
Naphthalene
Concen: 1.916 ug/l
RT: 13.74 min Scan# 3935
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Instrument :
MSVOA_U
ClientSampleId :
VU0426WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	9.9	8.2	12.2

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#90
1,2,3-Trichlorobenzene
Concen: 1.934 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU031517.D
Acq: 26 Apr 2019 01:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	77.1	115.7
145	32.9	25.9	38.9

