

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041619\
 Data File : VU031205.D
 Acq On : 16 Apr 2019 09:54
 Operator : JC/SP
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 9:15:12 AM

Quant Time: Apr 17 03:07:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U041519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Apr 16 04:55:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	36768	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	17025	1.27	ug/l	0.00
Spiked Amount 1.000			Recovery	=	127.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	14338	1.07	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	158686	9.979	ug/l	97
3) Chloromethane	1.32	50	166138	9.902	ug/l	99
4) Vinyl Chloride	1.40	62	161836	9.873	ug/l	99
5) Bromomethane	1.63	94	99707	10.383	ug/l	97
6) Chloroethane	1.70	64	110022	9.720	ug/l	100
7) Trichlorofluoromethane	1.89	101	236656	9.901	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	124673	10.477	ug/l	99
9) 1,1-Dichloroethene	2.28	96	118720	9.987	ug/l	99
10) Iodomethane	2.41	142	183928	11.457	ug/l	100
11) Allyl Chloride	2.59	41	253333	10.858	ug/l	97
12) Acrylonitrile	2.94	53	67997	19.553	ug/l	98
13) Acetone	2.32	43	151740	53.238	ug/l	100
14) Carbon Disulfide	2.48	76	462928	10.544	ug/l	100
15) Methylene Chloride	2.70	84	139045	9.073	ug/l	100
16) trans-1,2-Dichloroethene	2.98	96	132289	10.084	ug/l	96
17) 1,1-Dichloroethane	3.44	63	219091	10.544	ug/l	99
18) 2-Butanone	4.27	43	187314	57.958	ug/l	99
19) Cyclohexane	4.99	56	166766	11.407	ug/l	100
20) Methylcyclohexane	6.41	83	180979	12.207	ug/l	97
21) 2,2-Dichloropropane	4.22	77	184874	11.479	ug/l	99
22) cis-1,2-Dichloroethene	4.22	96	125676	10.987	ug/l	100
23) Diethyl Ether	2.10	59	114334	10.312	ug/l	99
24) tert-Butyl Alcohol	2.84	59	110382	93.472	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	346728	10.004	ug/l	99
26) Bromochloromethane	4.54	128	55271	10.599	ug/l	100
27) Chloroform	4.67	83	213583	10.388	ug/l	97
28) 1,1,1-Trichloroethane	4.91	97	182481	10.442	ug/l	99
29) 1,1-Dichloropropene	5.13	75	163676	11.169	ug/l	100
30) Carbon Tetrachloride	5.13	117	161602	10.467	ug/l	99
31) Isopropyl Ether	3.57	45	330803	10.857	ug/l	95
32) Ethyl-t-butyl ether	4.06	59	292529	11.321	ug/l	99
33) Tert-Amyl methyl ether	5.58	73	259846	11.488	ug/l	99
34) Propionitrile	4.33	54	51601	57.783	ug/l #	85
35) Benzene	5.38	78	469210	10.758	ug/l	99
36) 1,2-Dichloroethane	5.40	62	141494	10.194	ug/l	99
37) Trichloroethene	6.18	130	124210	10.156	ug/l	99
38) 1,2-Dichloropropane	6.43	63	124423	10.713	ug/l	99
39) Methacrylonitrile	4.54	41	46476	11.555	ug/l	96
40) Methyl acrylate	4.42	55	67006	10.652	ug/l	98
41) Tetrahydrofuran	4.64	42	45896	22.344	ug/l	97
42) 1-Chlorobutane	5.06	56	234907	11.254	ug/l	99

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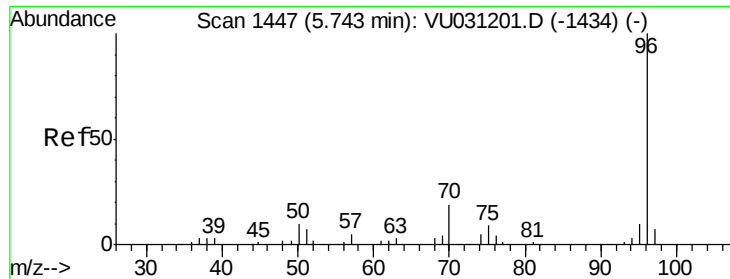
Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 9:15:12 AM

Quant Time: Apr 17 03:07:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U041519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Apr 16 04:55:56 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	66040	10.568	ug/l	98
44) Bromodichloromethane	6.75	83	155766	10.344	ug/l	100
45) 4-Methyl-2-Pentanone	7.46	43	429276	58.235	ug/l	99
46) t-1,4-Dichloro-2-butene	10.51	75	63266m	22.516	ug/l	
47) Methyl methacrylate	6.62	69	125310	23.762	ug/l	98
48) Ethyl methacrylate	8.02	69	118709	10.347	ug/l	97
49) Toluene	7.63	92	278709	11.643	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	150146	11.693	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	174291	11.480	ug/l	98
52) 1,1,2-Trichloroethane	8.06	97	90389	10.720	ug/l	97
53) 1,3-Dichloropropane	8.24	76	153858	10.749	ug/l	99
54) 2-Hexanone	8.36	43	303852	61.078	ug/l	99
55) Dibromochloromethane	8.47	129	106495	10.655	ug/l	99
56) 1,2-Dibromoethane	8.58	107	80352	10.254	ug/l	99
58) Tetrachloroethene	8.22	164	114823	11.042	ug/l	98
59) Chlorobenzene	9.12	112	295606	11.119	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.20	131	106416	10.680	ug/l	98
61) Pentachloroethane	11.10	117	79280	10.225	ug/l	94
62) Hexachloroethane	12.14	117	81171	10.831	ug/l	99
63) Ethyl Benzene	9.25	91	515759	12.159	ug/l	100
64) m/p-Xylenes	9.37	106	399374	24.728	ug/l	99
65) o-Xylene	9.77	106	184406	11.929	ug/l	99
66) Styrene	9.79	104	326925	10.486	ug/l	99
67) Bromoform	9.95	173	63954	11.090	ug/l	100
69) Isopropylbenzene	10.16	105	499822	12.062	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	108919	9.959	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	84509m	10.687	ug/l	
72) Bromobenzene	10.45	156	122928	11.211	ug/l	99
73) n-propylbenzene	10.58	120	137787	12.451	ug/l	99
74) 2-Chlorotoluene	10.66	126	119823	11.742	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	428730	12.223	ug/l	99
76) 4-Chlorotoluene	10.77	126	124253	12.086	ug/l	100
77) tert-Butylbenzene	11.10	119	405546	11.818	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	443038	12.531	ug/l	100
79) sec-Butylbenzene	11.32	105	554178	12.003	ug/l	100
80) Nitrobenzene	12.86	77	20788	49.702	ug/l #	94
81) p-Isopropyltoluene	11.47	119	457967	12.349	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	238752	11.024	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	234402	11.175	ug/l	98
84) n-Butylbenzene	11.89	91	454773	12.690	ug/l	99
85) 1,2-Dichlorobenzene	11.87	146	220741	10.870	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	17306	10.995	ug/l	93
87) 1,2,4-Trichlorobenzene	13.50	180	155555	12.533	ug/l	100
88) Hexachlorobutadiene	13.69	225	88539	10.679	ug/l	100
89) Naphthalene	13.74	128	273742	9.918	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	150437	12.106	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 96 Resp: 36768

Ion Ratio Lower Upper

96 100

70 20.6 18.4 27.6

95 9.5 7.6 11.4

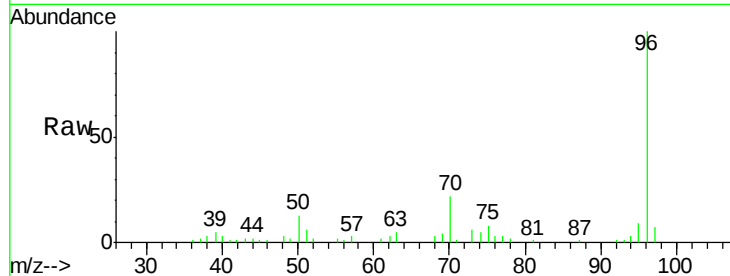
97 0.0 0.0 0.0

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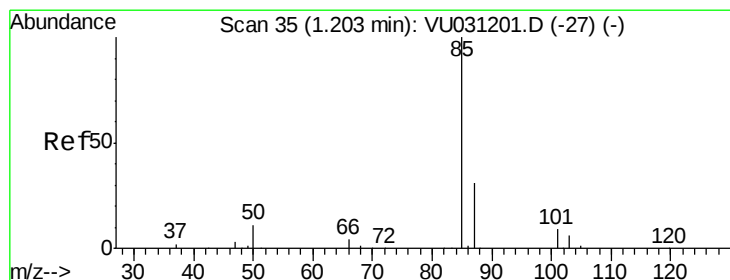
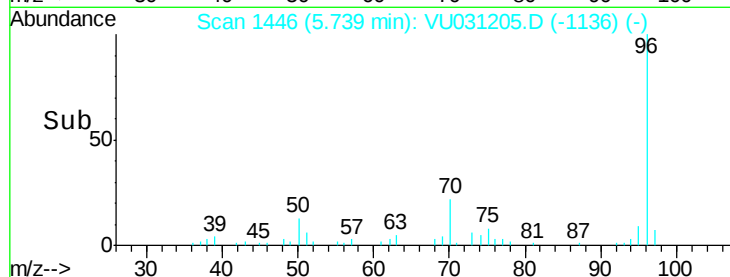
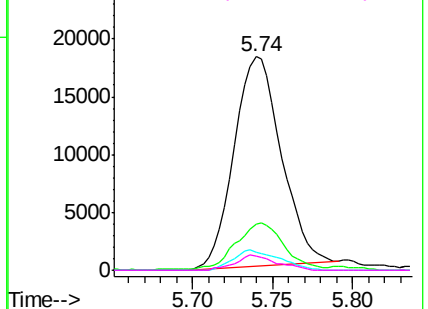


Abundance Ion 96.00 (95.70 to 96.70): VU031201.D (-1434) (-)

Ion 70.00 (69.70 to 70.70): VU031201.D (-1434) (-)

Ion 95.00 (94.70 to 95.70): VU031201.D (-1434) (-)

Ion 97.00 (96.70 to 97.70): VU031201.D (-1434) (-)



#2

Dichlorodifluoromethane

Concen: 9.979 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031205.D

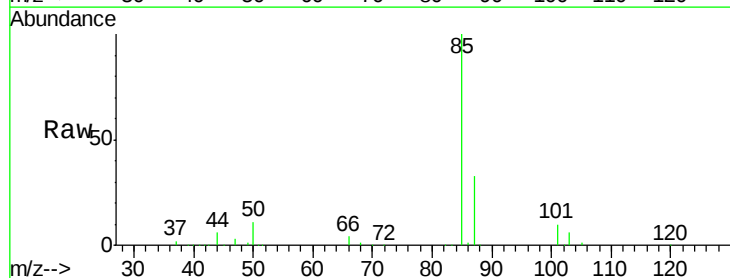
Acq: 16 Apr 2019 09:54

Tgt Ion: 85 Resp: 158686

Ion Ratio Lower Upper

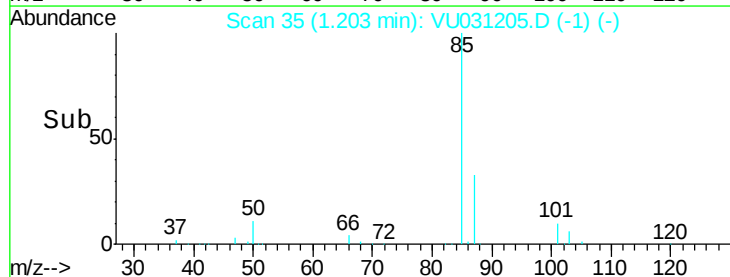
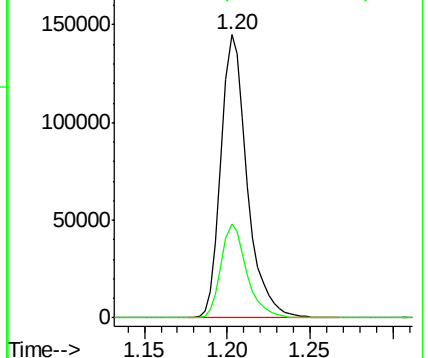
85 100

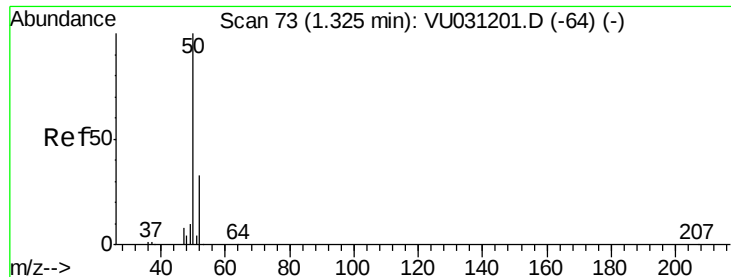
87 33.3 15.8 47.3



Abundance Ion 85.00 (84.70 to 85.70): VU031201.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU031201.D (-27) (-)





#3

Chloromethane

Concen: 9.902 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 50 Resp: 166138

Ion Ratio Lower Upper

50 100

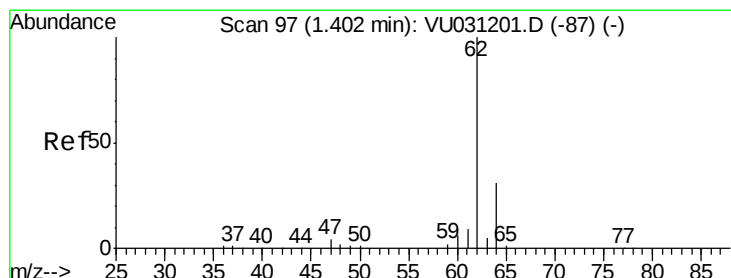
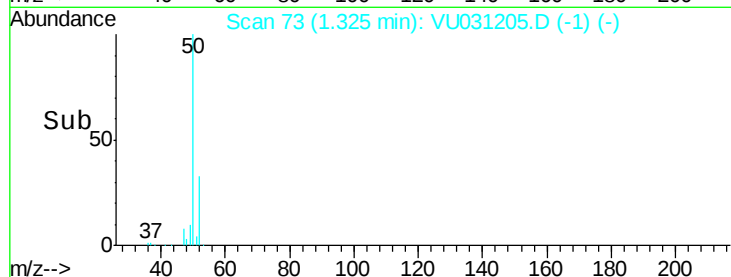
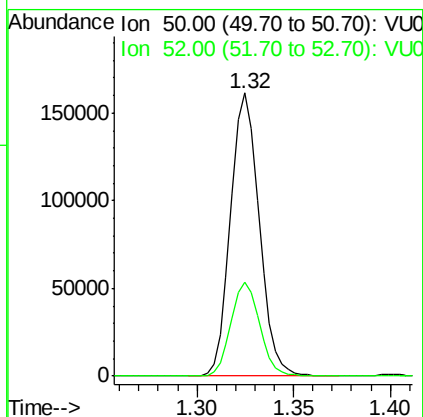
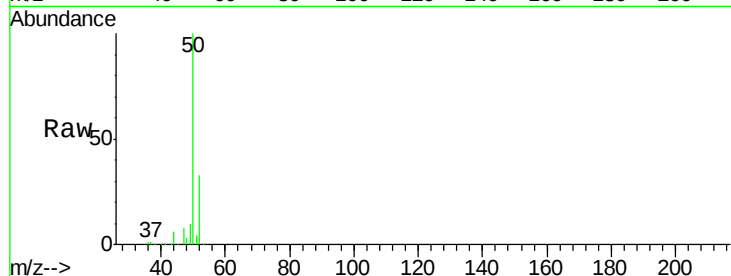
52 33.3 26.2 39.2

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#4

Vinyl Chloride

Concen: 9.873 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031205.D

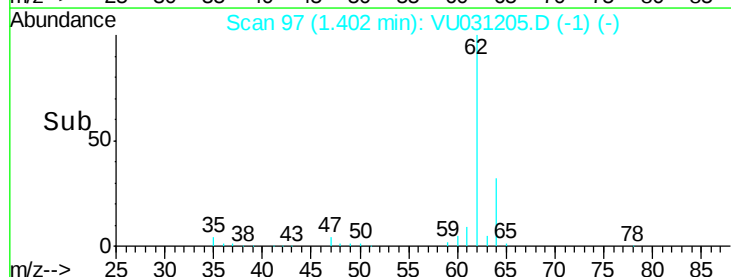
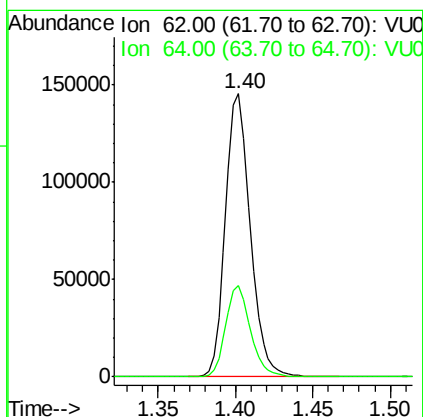
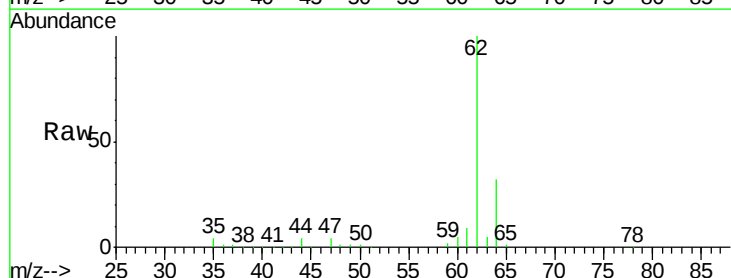
Acq: 16 Apr 2019 09:54

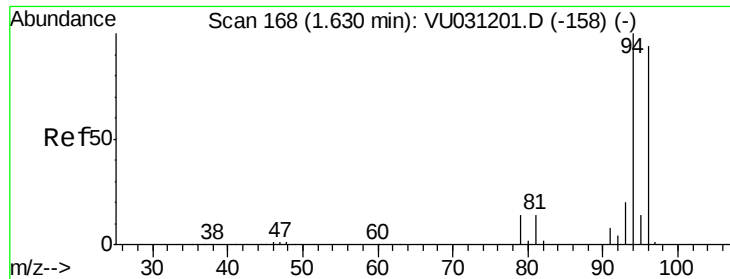
Tgt Ion: 62 Resp: 161836

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.6





#5

Bromomethane

Concen: 10.383 ug/l

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 94 Resp: 99707

Ion Ratio Lower Upper

94 100

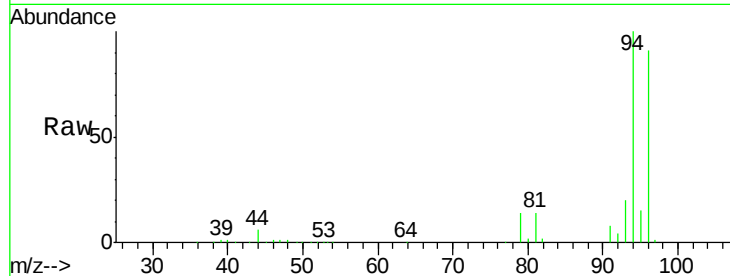
96 90.7 75.0 112.6

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VU031205.D (-167) (-)

Ion 96.00 (95.70 to 96.70): VU031205.D (-167) (-)

1.63

80000

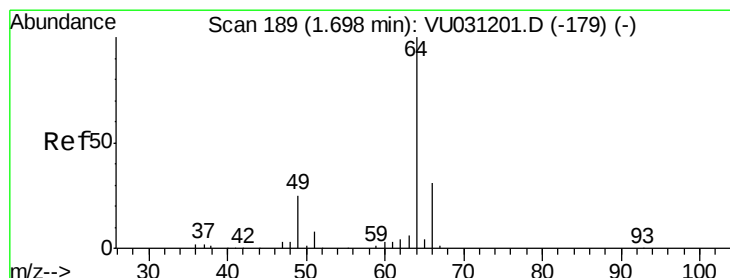
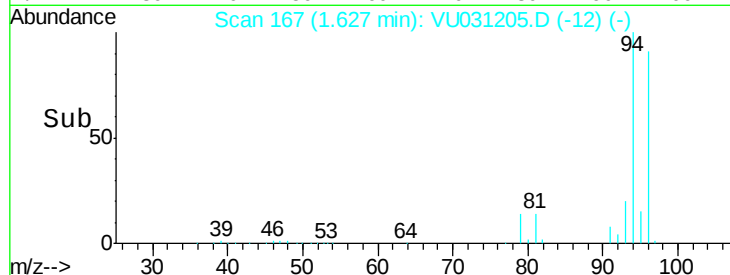
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 9.720 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031205.D

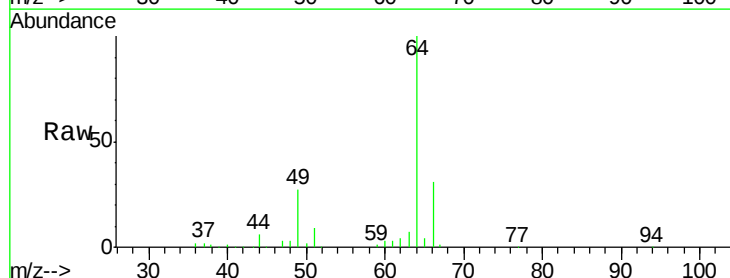
Acq: 16 Apr 2019 09:54

Tgt Ion: 64 Resp: 110022

Ion Ratio Lower Upper

64 100

66 31.2 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU031205.D (-33) (-)

Ion 66.00 (65.70 to 66.70): VU031205.D (-33) (-)

1.70

80000

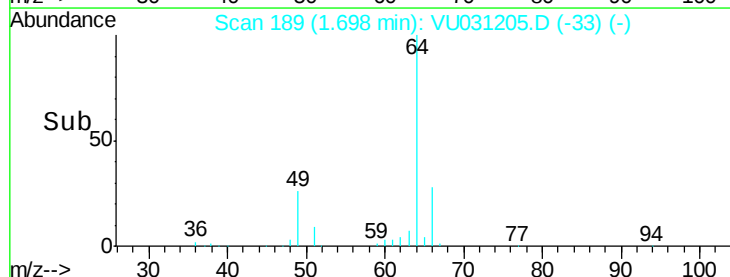
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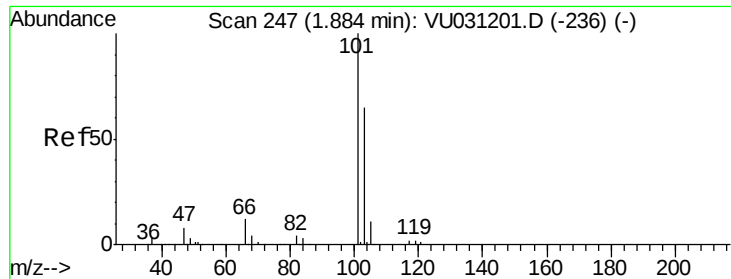
40000

20000

0

Time-->





#7

Trichlorofluoromethane

Concen: 9.901 ug/l

RT: 1.89 min Scan# 248

Delta R.T. 0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:101 Resp: 236656

Ion Ratio Lower Upper

101 100

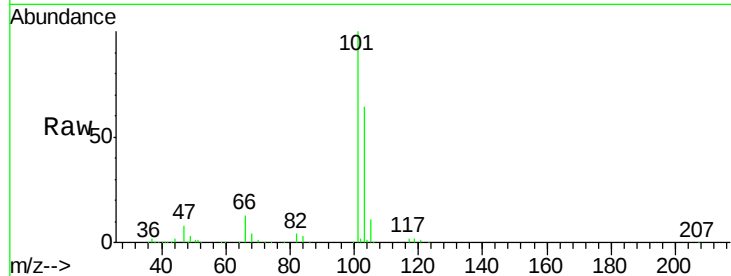
103 64.5 51.8 77.8

Manual Integrations

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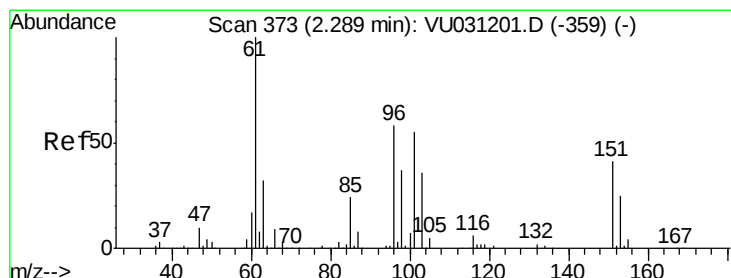
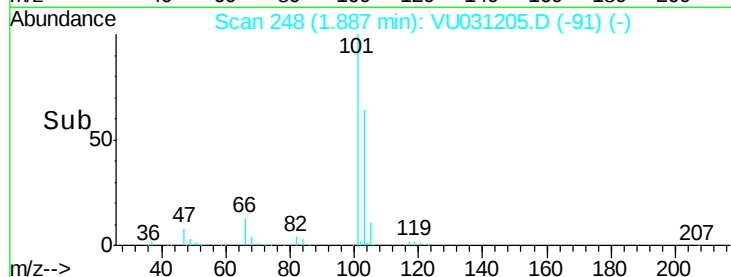
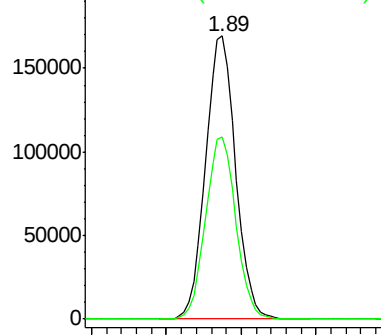
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 10.477 ug/l

RT: 2.29 min Scan# 373

Delta R.T. 0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

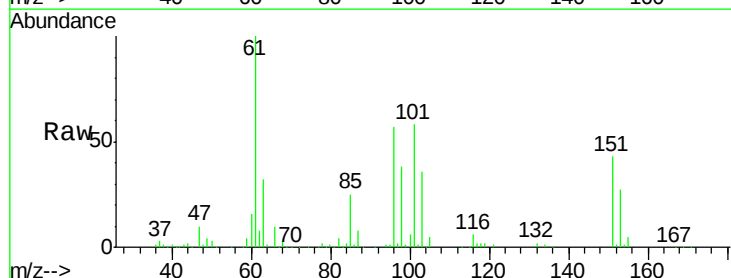
Tgt Ion:101 Resp: 124673

Ion Ratio Lower Upper

101 100

85 43.5 36.1 54.1

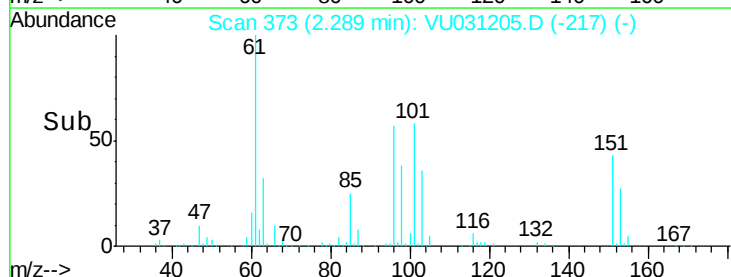
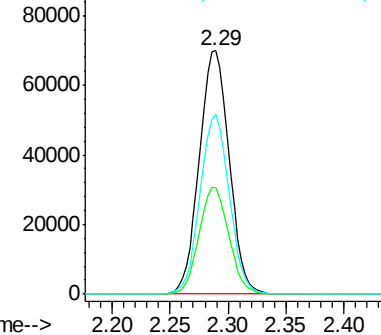
151 72.0 58.2 87.2

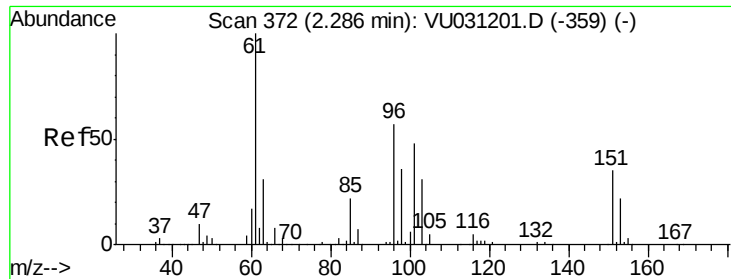


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 9.987 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

Instrument :

MSVOA_U

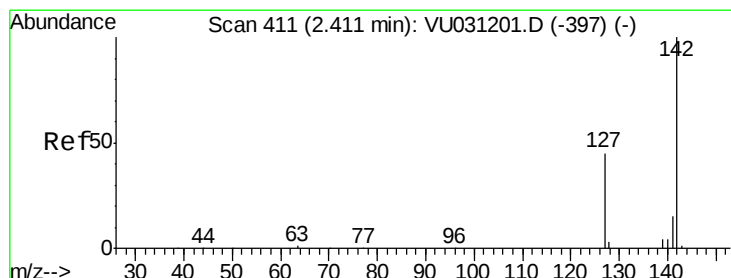
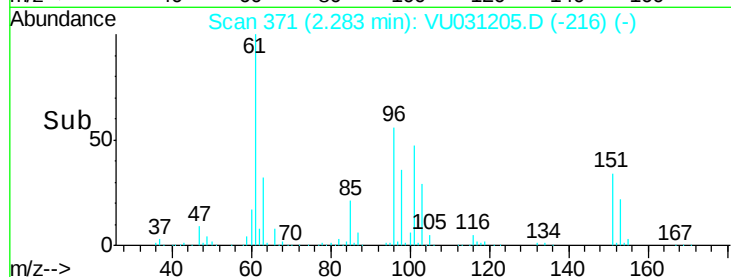
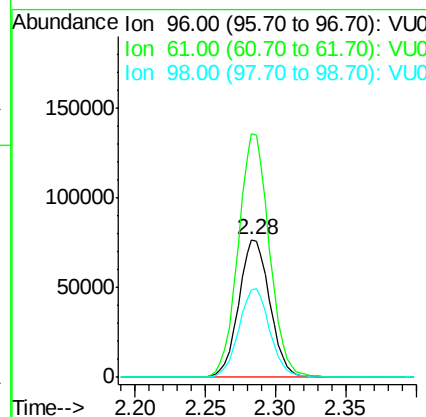
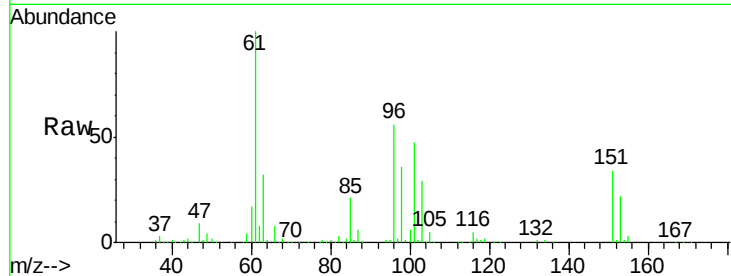
ClientSampleId :

VSTDCCC010

Tot Ion:	96	Resp:	118720
Ion	Ratio	Lower	Upper
96	100		
61	177.1	0.0	527.7
98	63.4	0.0	127.6

Manual Integrations
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4/17/2019 9:15:12 AM



#10

Iodomethane

Concen: 11.457 ug/l

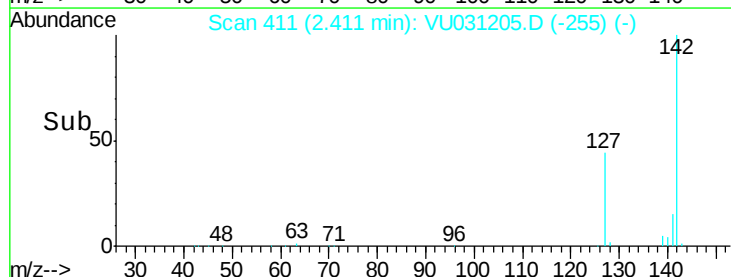
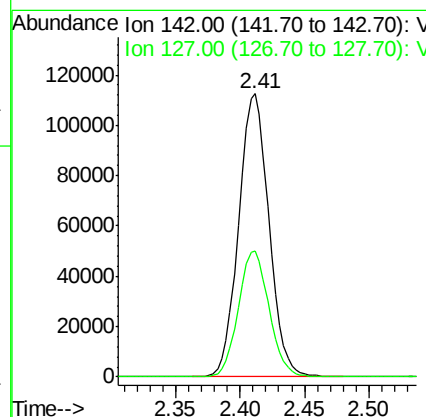
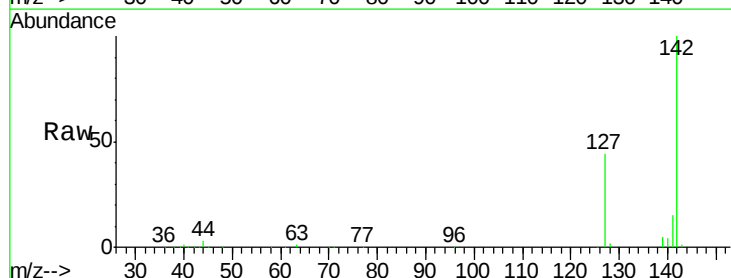
RT: 2.41 min Scan# 411

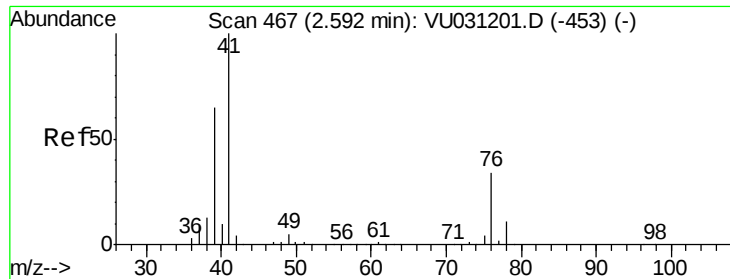
Delta R.T. 0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

Tgt Ion:	142	Resp:	183928
Ion	Ratio	Lower	Upper
142	100		
127	44.8	35.9	53.9





#11

Allvl Chloride

Concen: 10.858 ug/l

RT: 2.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 253333

Ion Ratio Lower Upper

41 100

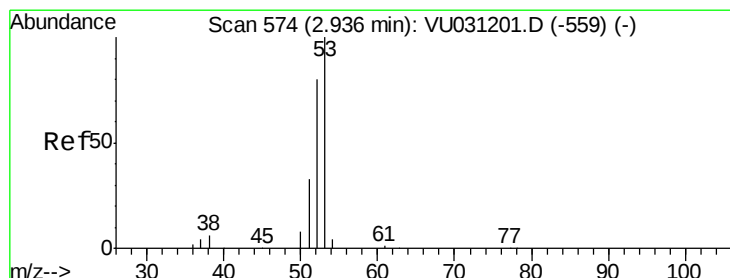
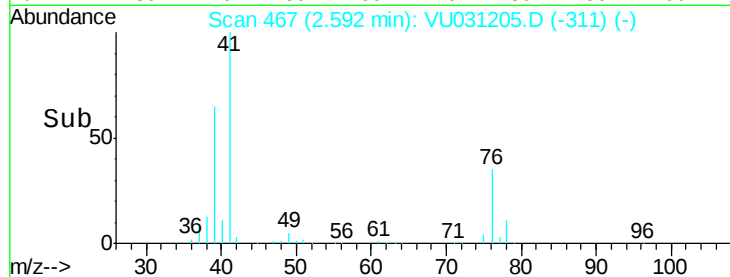
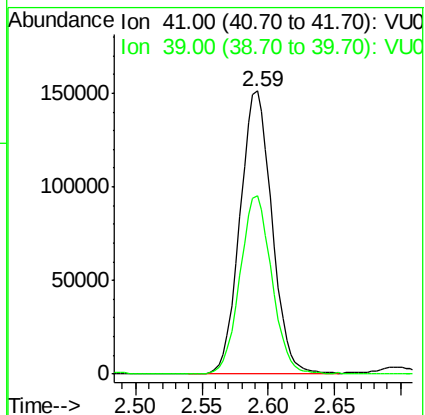
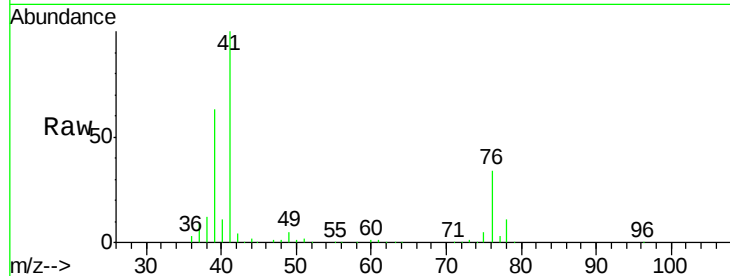
39 62.6 51.9 77.9

Manual Integrations

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MMDadoda

4/17/2019 9:15:12 AM



#12

Acrylonitrile

Concen: 19.553 ug/l

RT: 2.94 min Scan# 574

Delta R.T. 0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

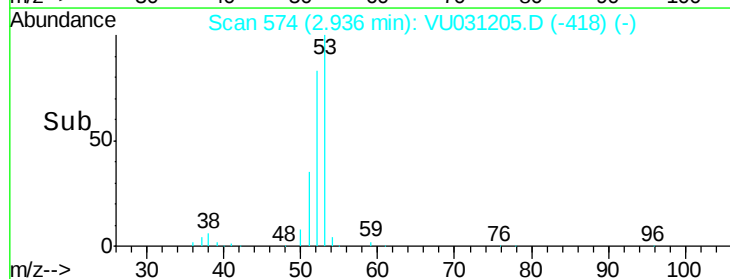
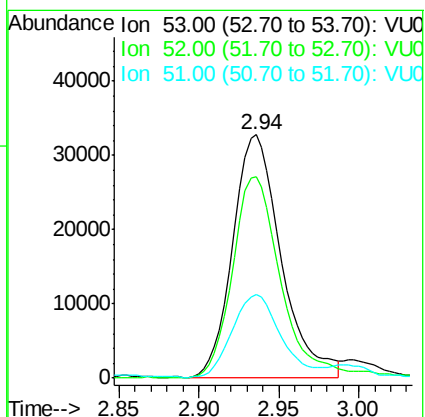
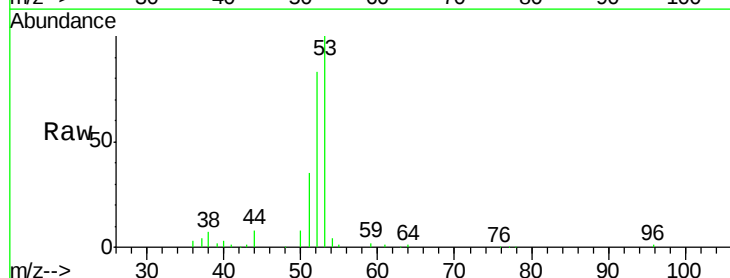
Tgt Ion: 53 Resp: 67997

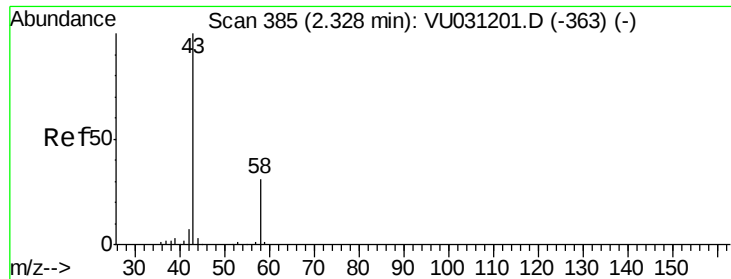
Ion Ratio Lower Upper

53 100

52 83.6 67.8 101.8

51 35.0 26.9 40.3





#13

Acetone

Concen: 53.238 ug/l

RT: 2.32 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 151740

Ion Ratio Lower Upper

43 100

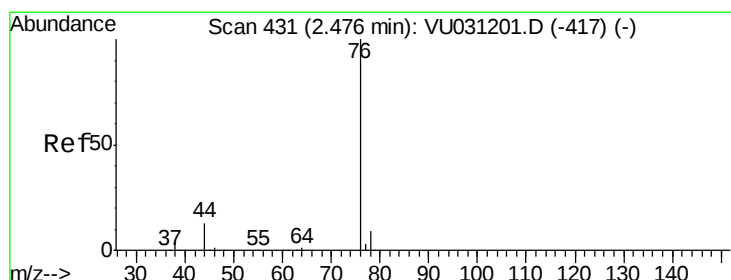
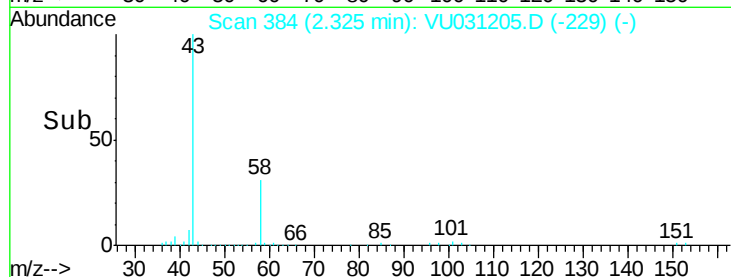
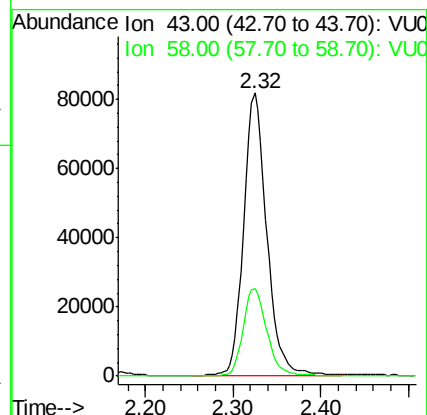
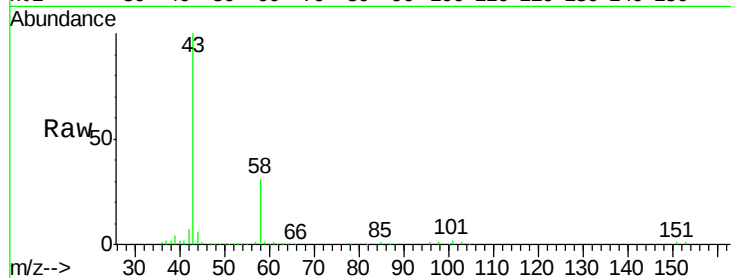
58 31.0 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

4/17/2019 9:15:12 AM



#14

Carbon Disulfide

Concen: 10.544 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU031205.D

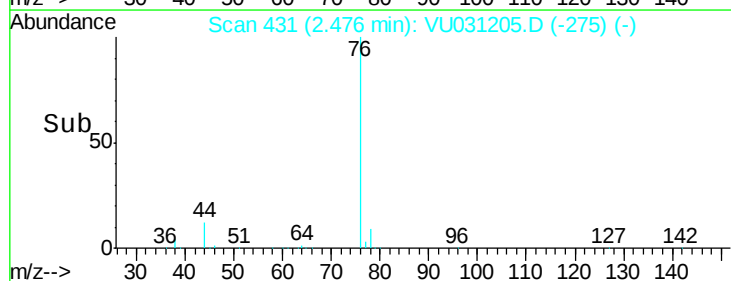
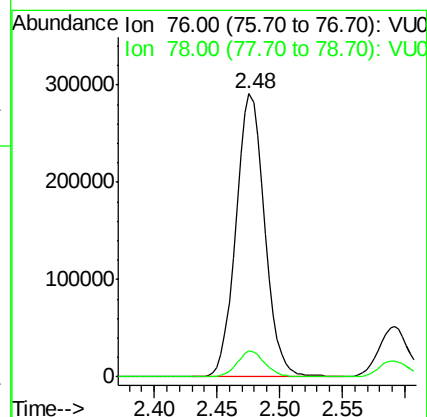
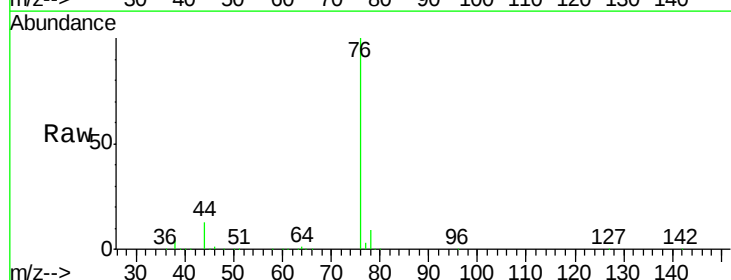
Acq: 16 Apr 2019 09:54

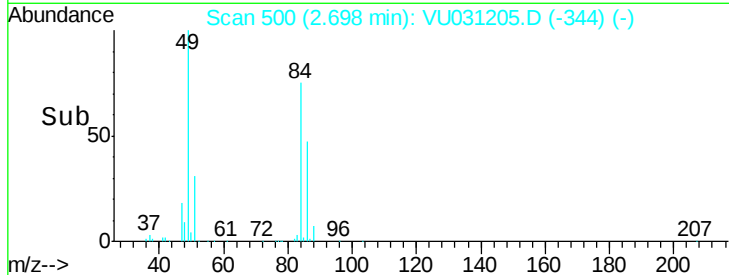
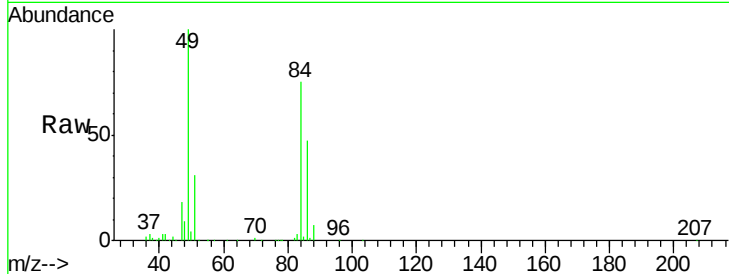
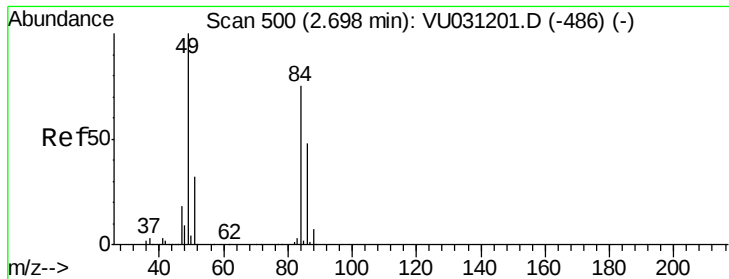
Tgt Ion: 76 Resp: 462928

Ion Ratio Lower Upper

76 100

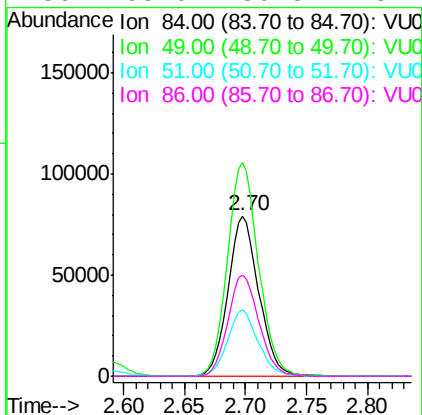
78 9.1 7.2 10.8





#15
Methvlene Chloride
Concen: 9.073 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

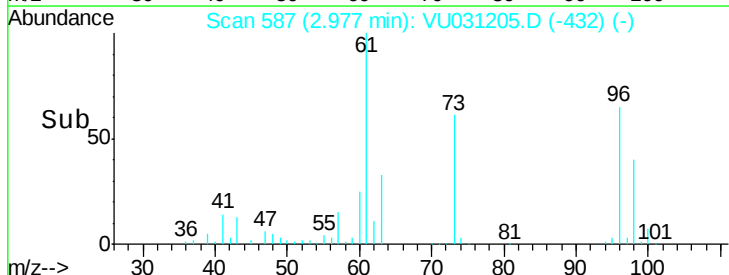
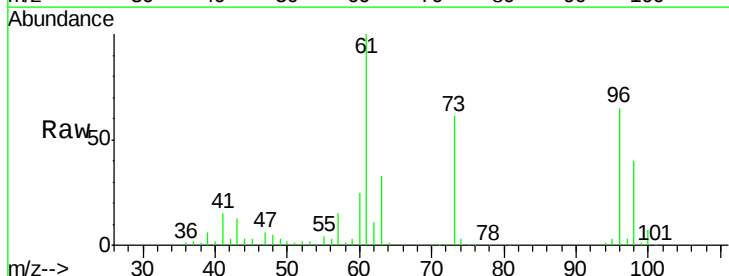
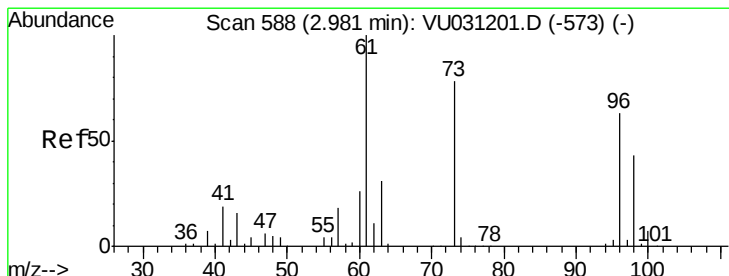
Tot Ion	84	Resp	139045
Ion Ratio	Lower	Upper	
84	100		
49	132.9	106.1	159.1
51	41.1	0.0	84.2
86	63.0	50.5	75.7



Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

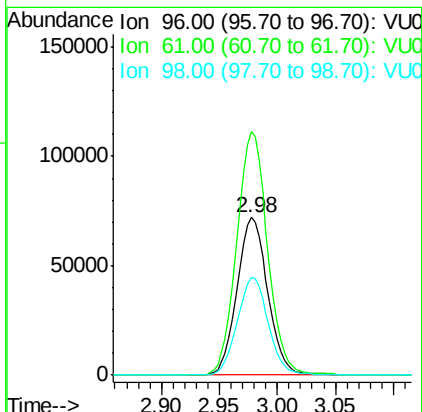
Manual Integrations
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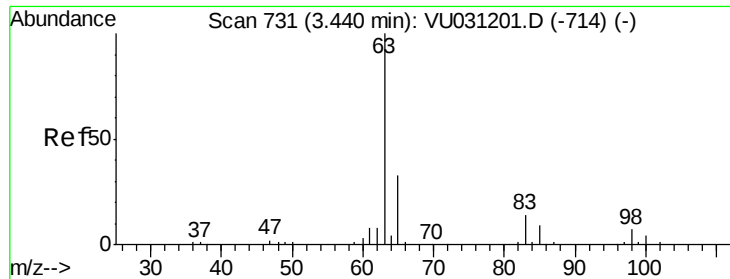
MMDadoda
4/17/2019 9:15:12 AM



#16
trans-1,2-Dichloroethene
Concen: 10.084 ug/l
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Tgt Ion	96	Resp	132289
Ion Ratio	Lower	Upper	
96	100		
61	154.3	126.6	189.8
98	61.7	53.9	80.9





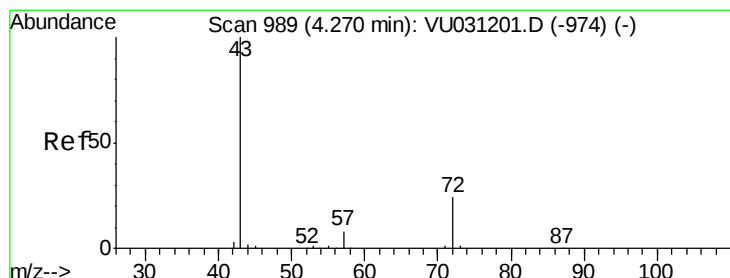
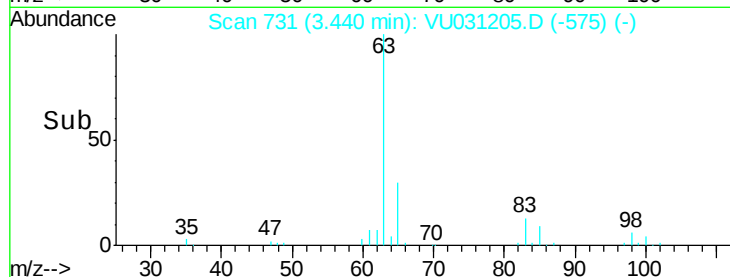
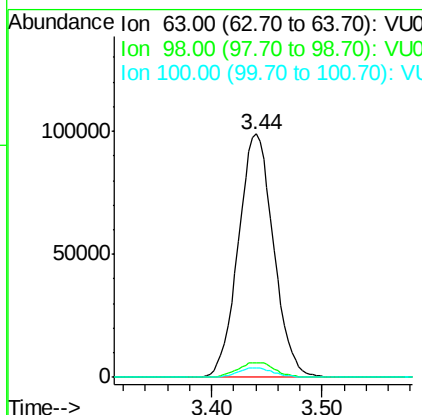
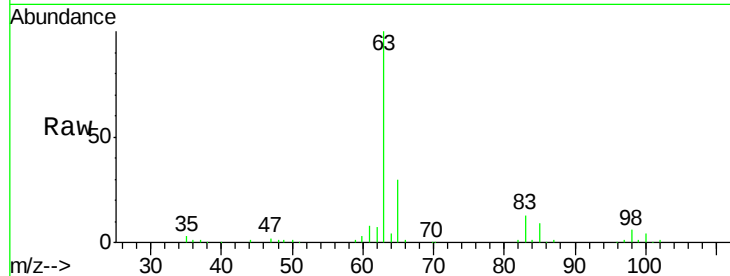
#17
 1,1-Dichloroethane
 Concen: 10.544 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Resp	Lower	Upper
63	100	219091		
98	6.2		3.3	9.8
100	4.1		2.0	5.8

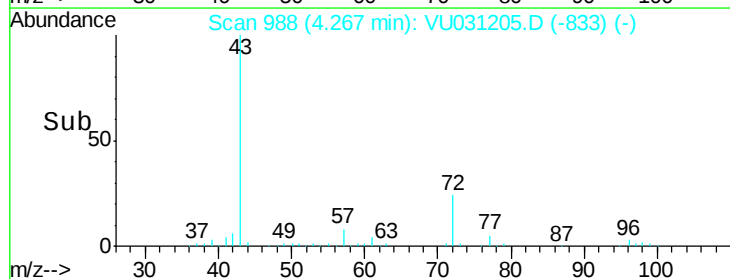
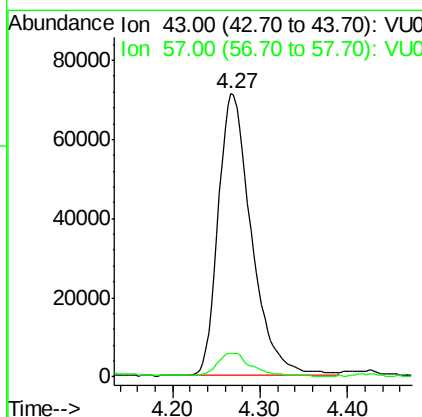
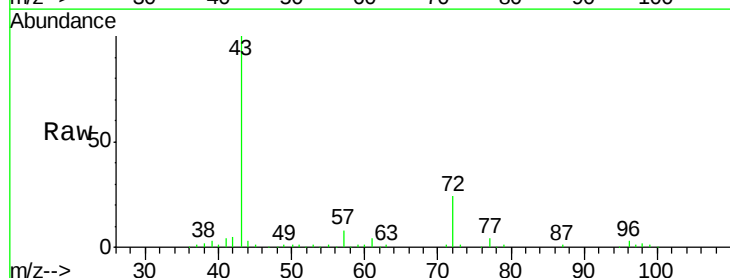
Manual Integrations
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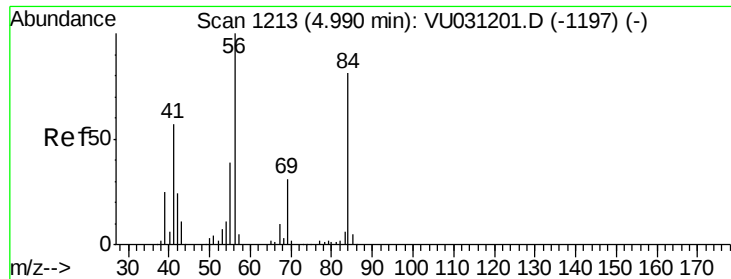
MMDadoda
 4/17/2019 9:15:12 AM



#18
 2-Butanone
 Concen: 57.958 ug/l
 RT: 4.27 min Scan# 988
 Delta R.T. -0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	187314		
57	7.8		0.0	16.2





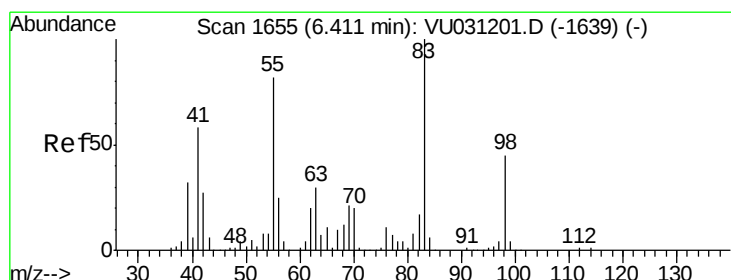
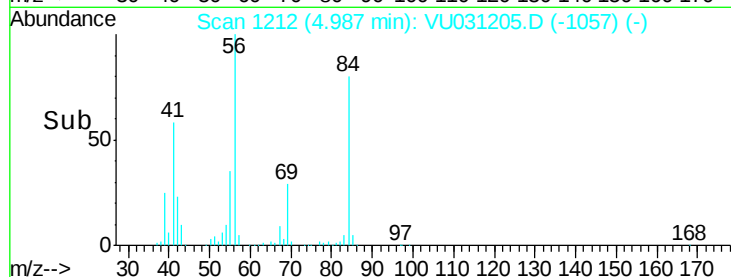
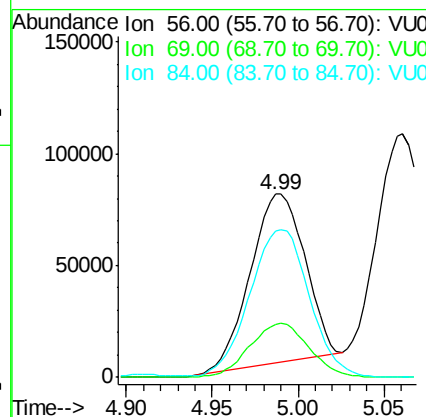
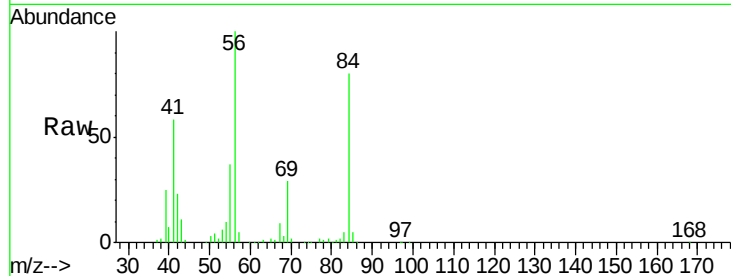
#19
Cyclohexane
Concen: 11.407 ug/l
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.8	28.3	42.5
84	94.1	75.2	112.8

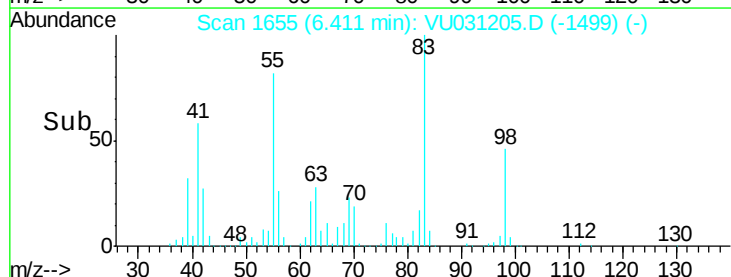
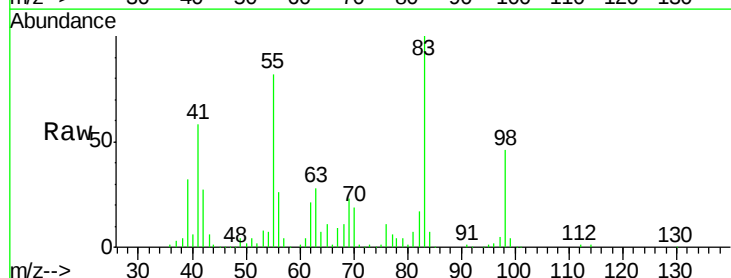
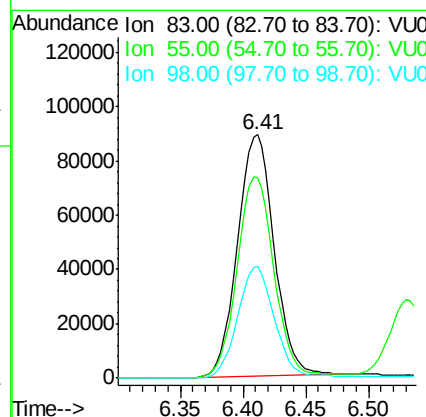
Manual Integrations
APPROVED

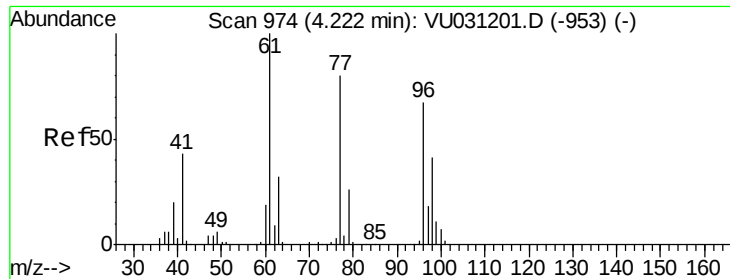
MMDadoda
4/17/2019 9:15:12 AM



#20
Methylcyclohexane
Concen: 12.207 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.8	68.2	102.2
98	45.4	35.8	53.8





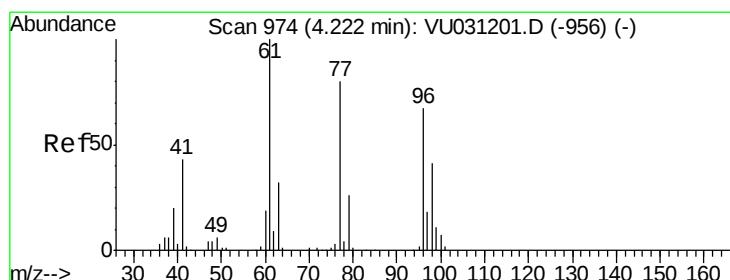
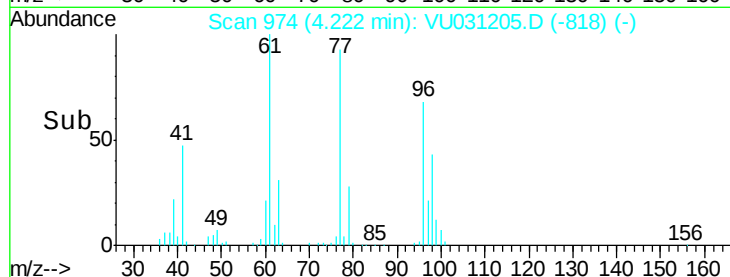
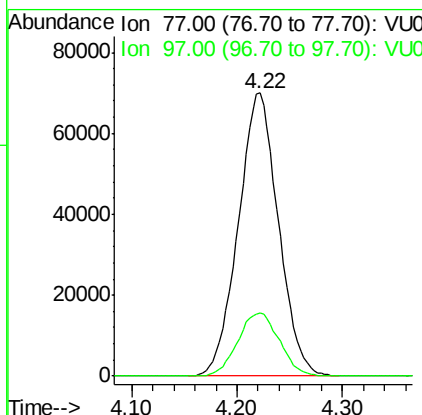
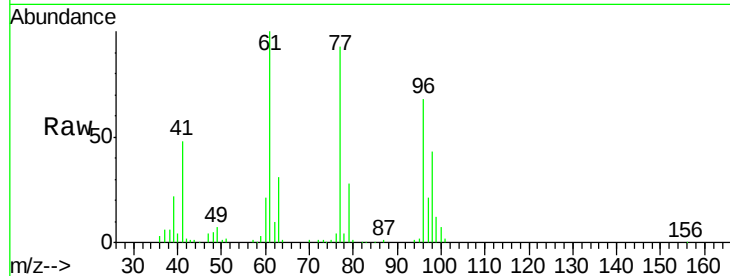
#21
 2,2-Dichloropropane
 Concen: 11.479 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion: 77 Resp: 184874
 Ion Ratio Lower Upper
 77 100
 97 23.2 18.2 27.2

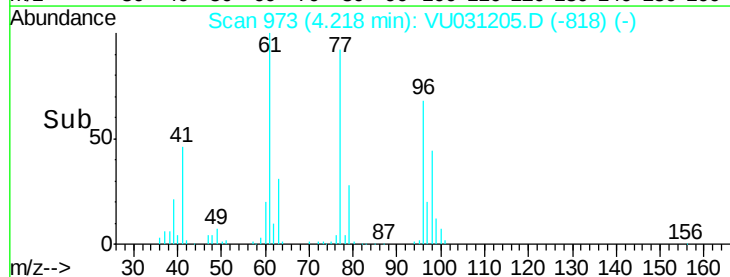
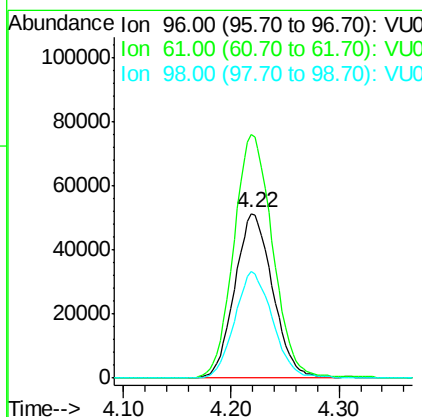
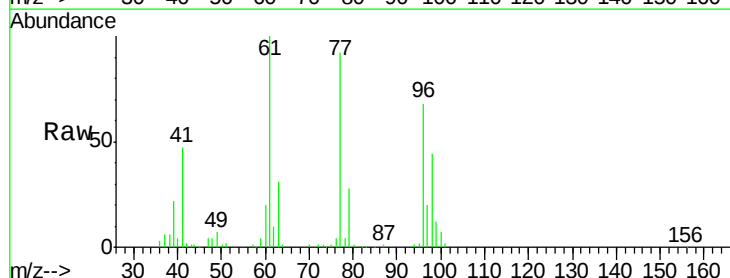
Manual Integrations
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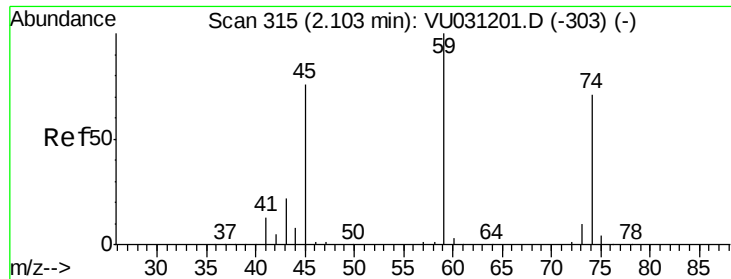
MMDadoda
 4/17/2019 9:15:12 AM



#22
 cis-1,2-Dichloroethene
 Concen: 10.987 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Tgt Ion: 96 Resp: 125676
 Ion Ratio Lower Upper
 96 100
 61 151.5 0.0 380.0
 98 64.8 32.3 96.9





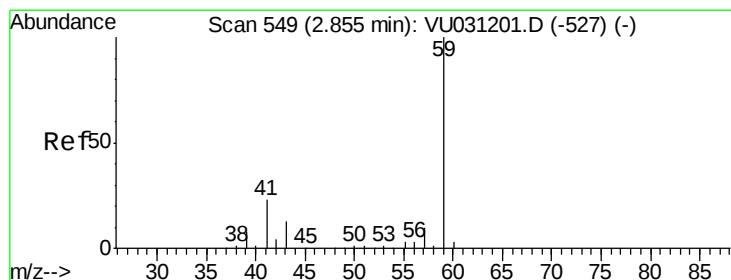
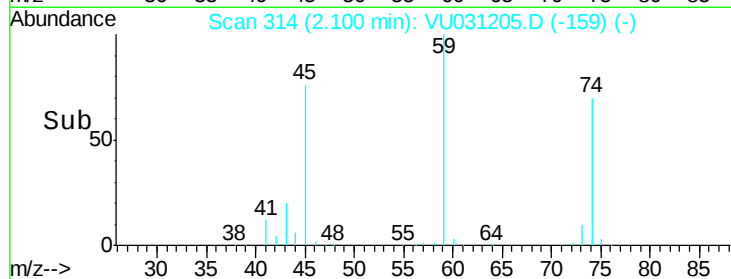
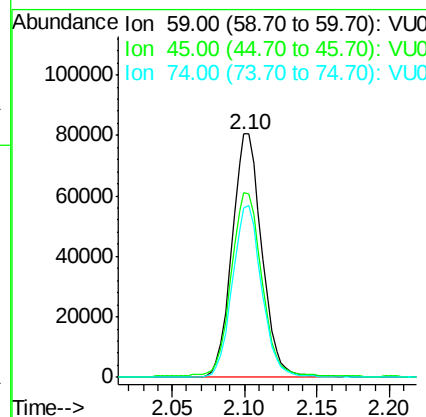
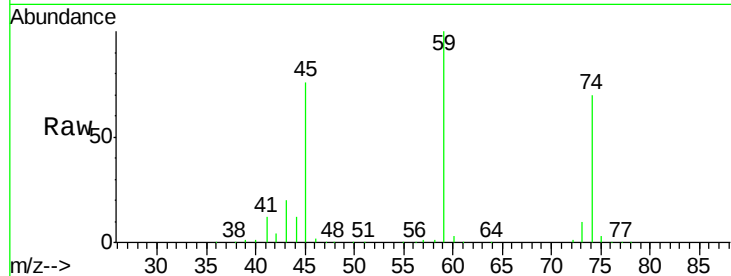
#23
Diethyl Ether
Concen: 10.312 ug/l
RT: 2.10 min Scan# 314
Delta R.T. -0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
59	100		
45	79.5	61.8	92.6
74	69.7	55.8	83.8

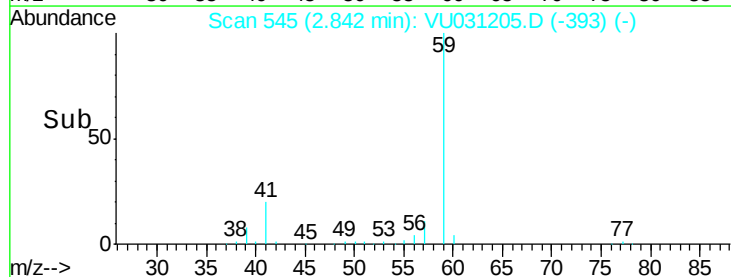
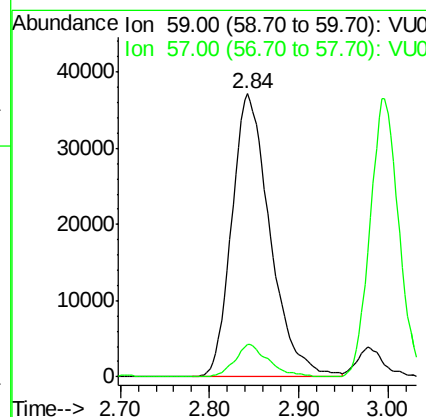
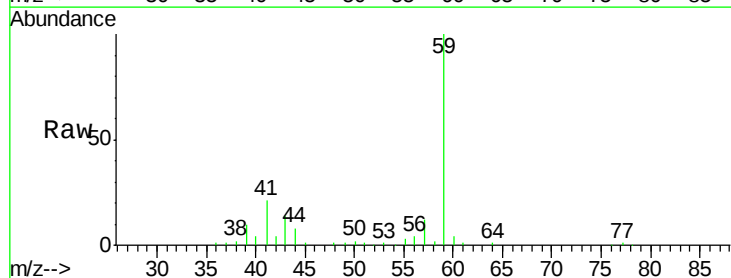
Manual Integrations
APPROVED

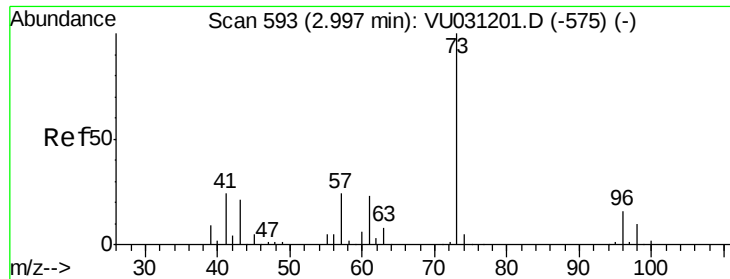
MMDadoda
4/17/2019 9:15:12 AM



#24
tert-Butyl Alcohol
Concen: 93.472 ug/l
RT: 2.84 min Scan# 545
Delta R.T. -0.01 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.4	12.6





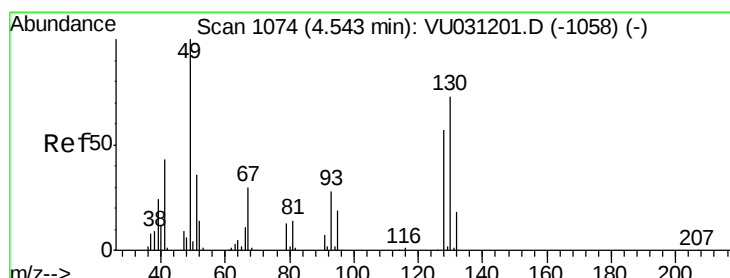
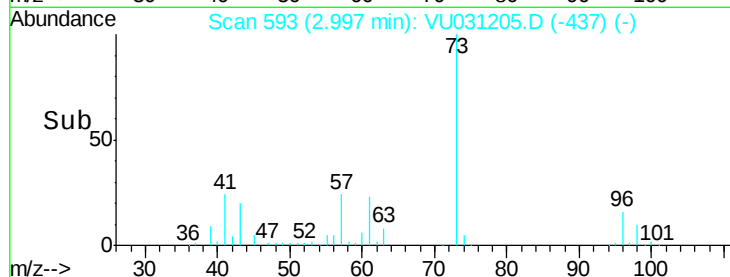
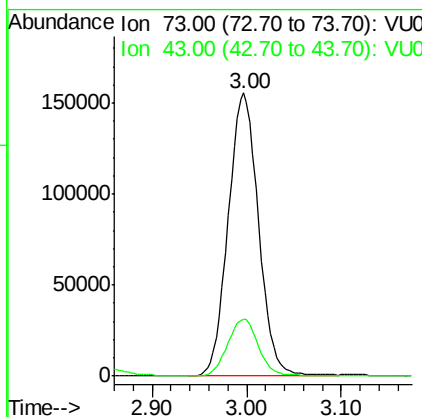
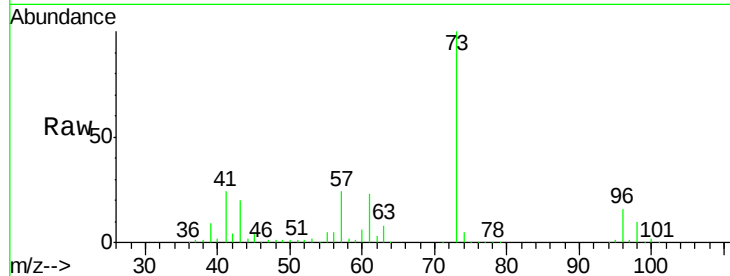
#25
Methvl tert-Butvl Ether
Concen: 10.004 ug/l
RT: 3.00 min Scan# 593
Delta R.T. 0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion: 73 Resp: 346728
Ion Ratio Lower Upper
73 100
43 20.0 16.2 24.4

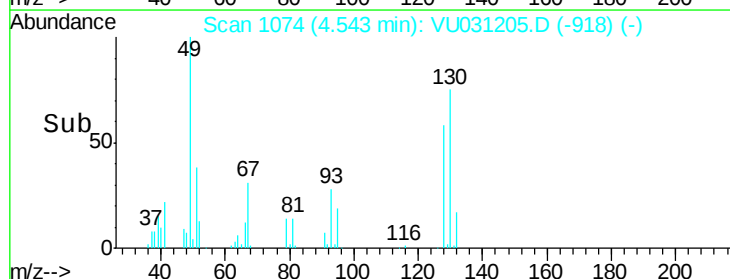
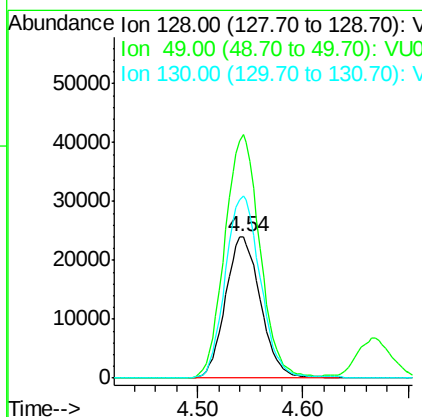
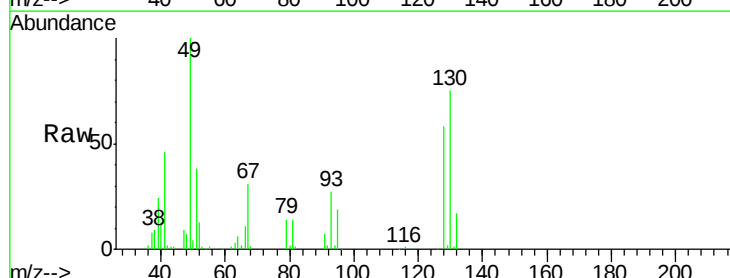
Manual Integrations
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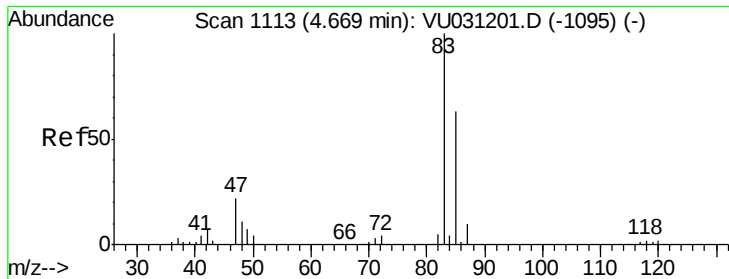
MMDadoda
4/17/2019 9:15:12 AM



#26
Bromochloromethane
Concen: 10.599 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Tgt Ion: 128 Resp: 55271
Ion Ratio Lower Upper
128 100
49 172.3 0.0 345.8
130 129.0 103.4 155.2





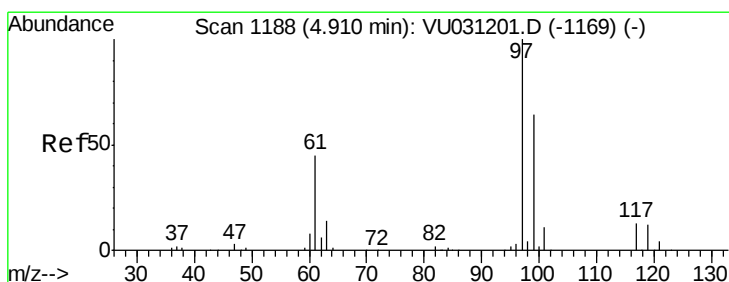
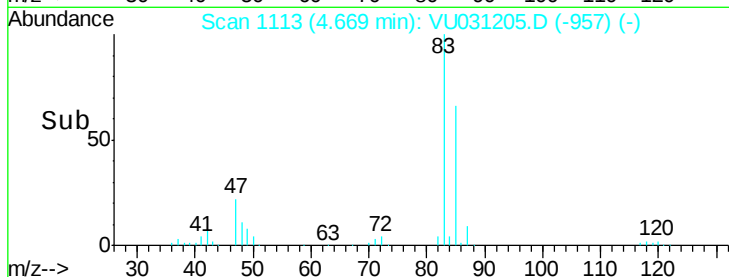
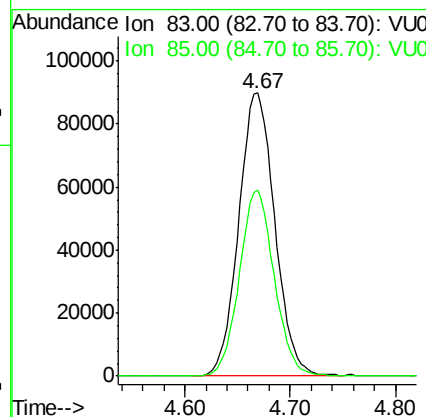
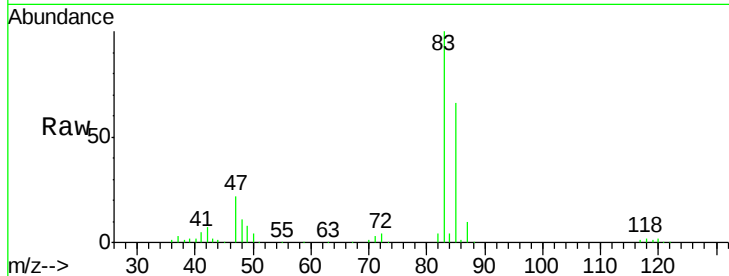
#27
Chloroform
Concen: 10.388 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	83	Resp	213583
Ion Ratio	100	Lower	Upper
83	100		
85	65.8	0.0	126.6

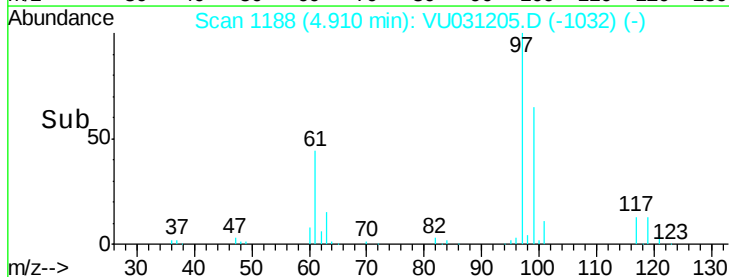
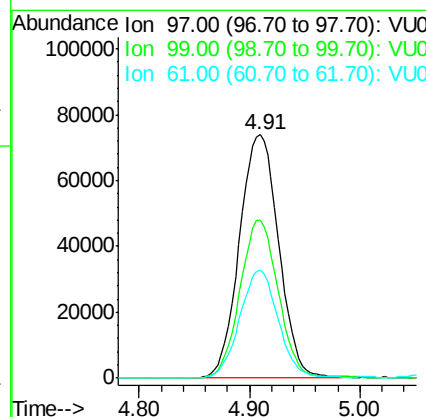
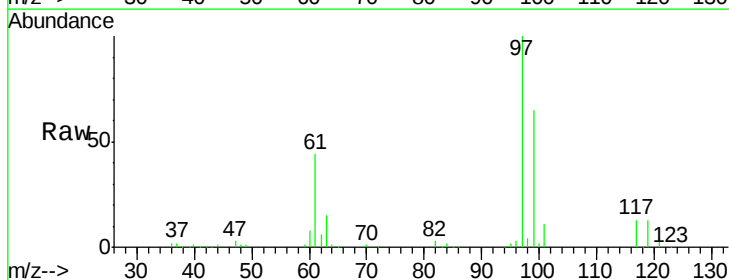
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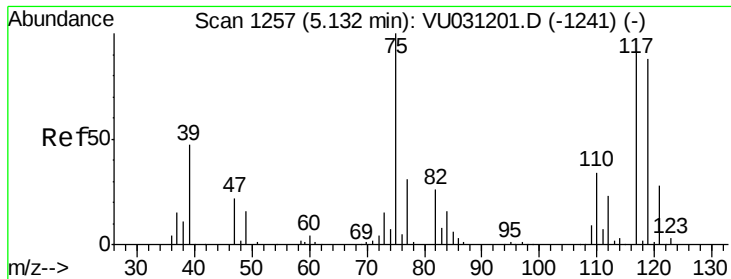
MMDadoda
4/17/2019 9:15:12 AM



#28
1,1,1-Trichloroethane
Concen: 10.442 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Tgt Ion	97	Resp	182481
Ion Ratio	100	Lower	Upper
97	100		
99	63.6	32.0	96.0
61	43.5	22.2	66.6





#29

1,1-Dichloropropene

Concen: 11.169 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 163676
Ion Ratio Lower Upper

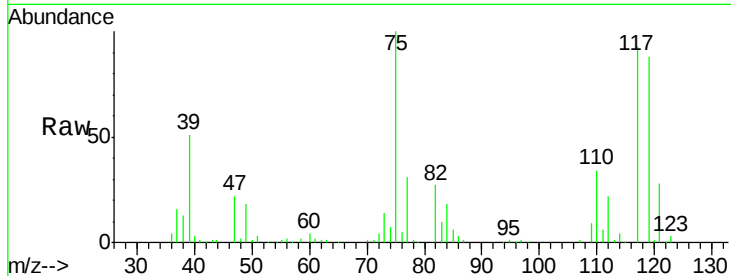
75 100

110 34.5 17.2 51.5

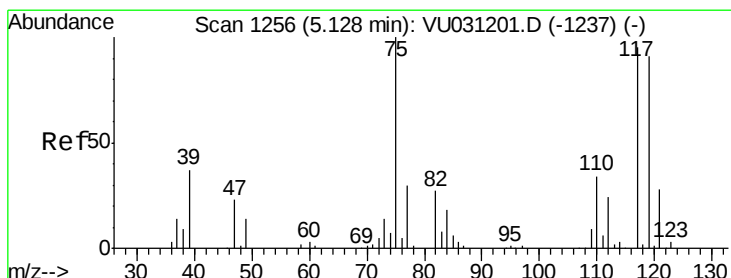
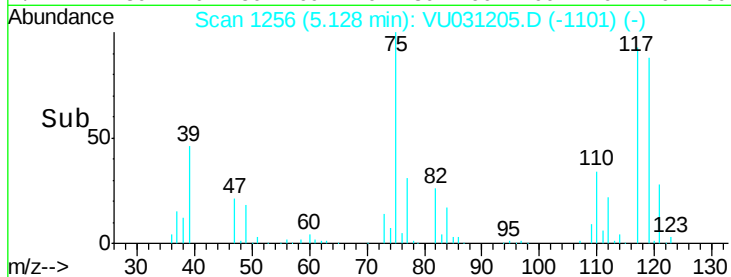
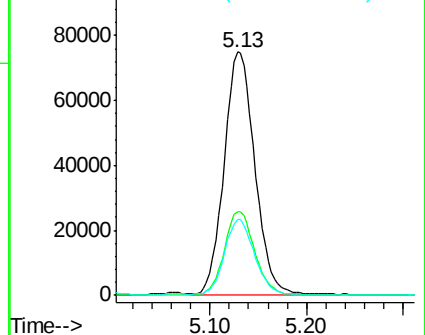
77 31.3 24.9 37.3

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Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VU0



#30

Carbon Tetrachloride

Concen: 10.467 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU031205.D

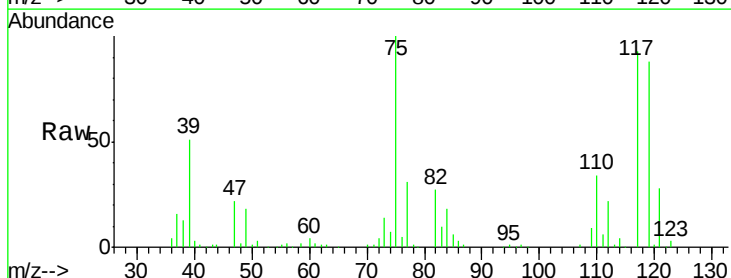
Acq: 16 Apr 2019 09:54

Tgt Ion: 117 Resp: 161602
Ion Ratio Lower Upper

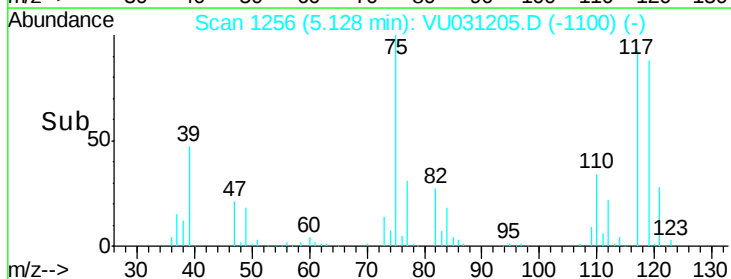
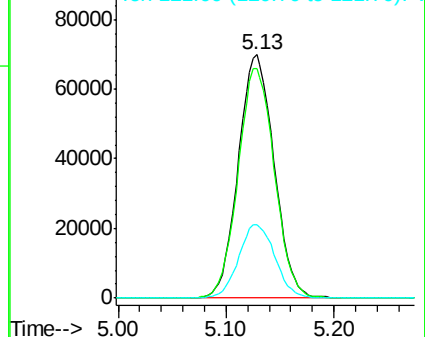
117 100

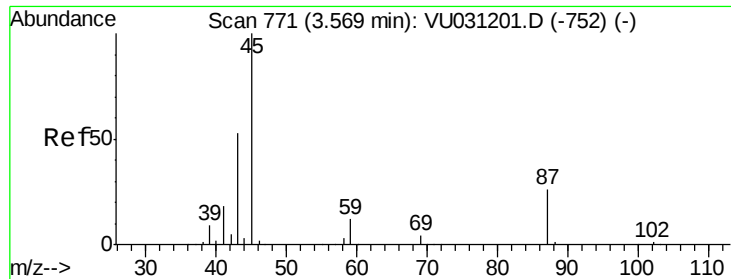
119 94.2 76.2 114.4

121 30.0 23.8 35.8



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V





#31

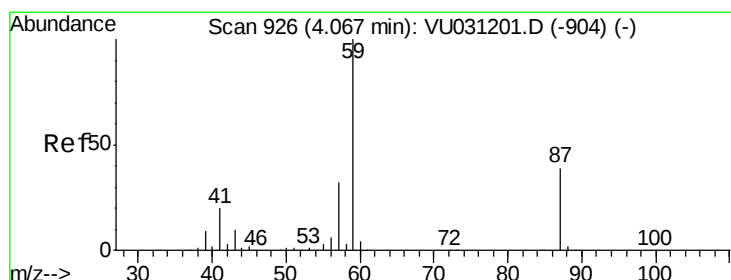
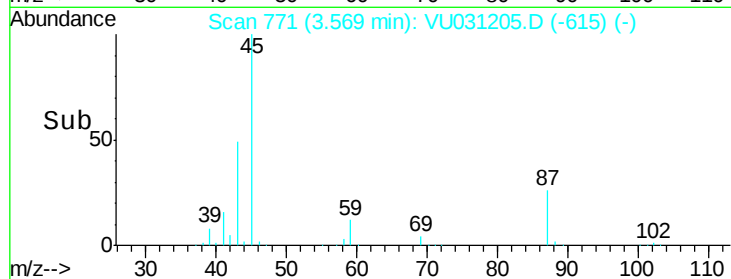
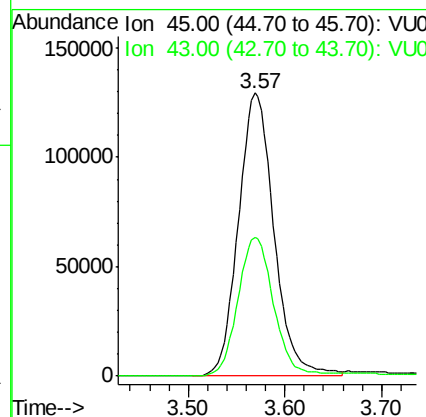
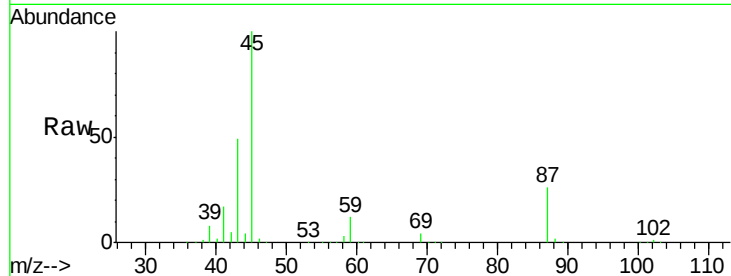
Isopropyl Ether
 Concen: 10.857 ug/l
 RT: 3.57 min Scan# 771
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	45	43	Ratio	100	49.2	Resp	330803	Lower	26.4	Upper	79.2
Ion	45	43	Ratio	100	49.2	Resp	330803	Lower	26.4	Upper	79.2

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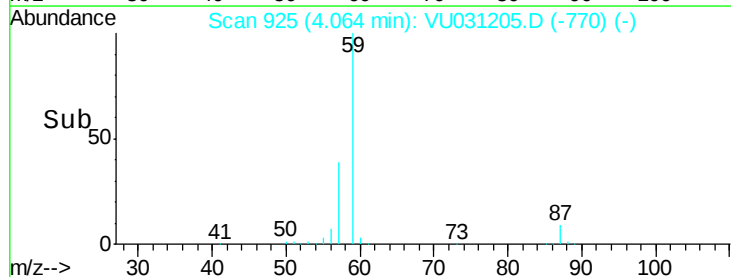
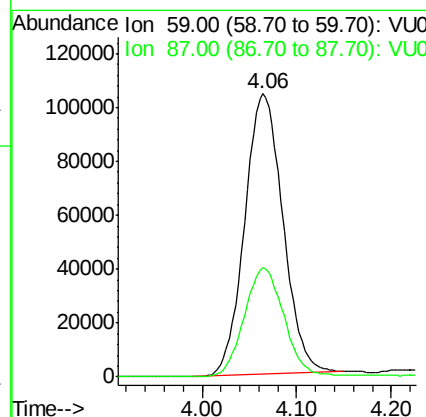
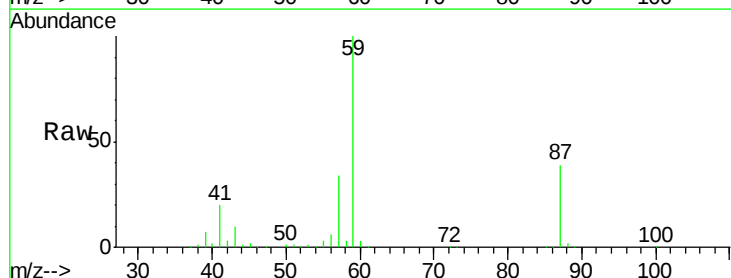
MMDadoda
 4/17/2019 9:15:12 AM

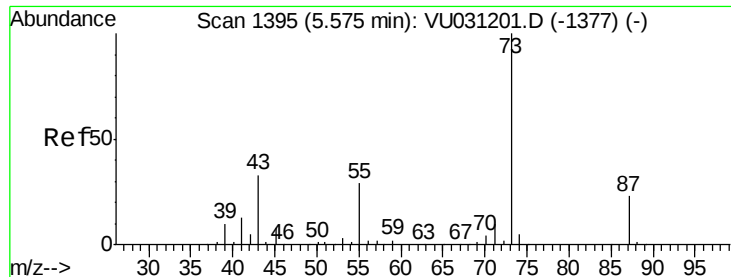


#32

Ethyl-t-butyl ether
 Concen: 11.321 ug/l
 RT: 4.06 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Tgt Ion	59	87	Ratio	100	39.4	Resp	292529	Lower	32.2	Upper	48.2
Ion	59	87	Ratio	100	39.4	Resp	292529	Lower	32.2	Upper	48.2





#33

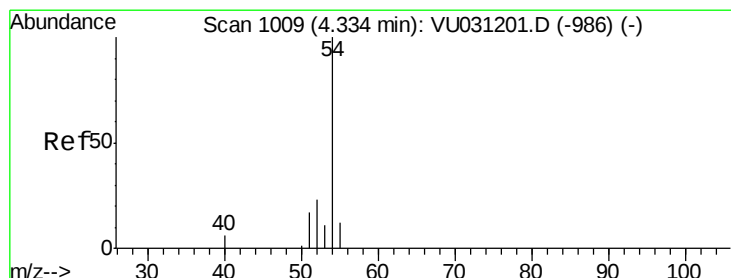
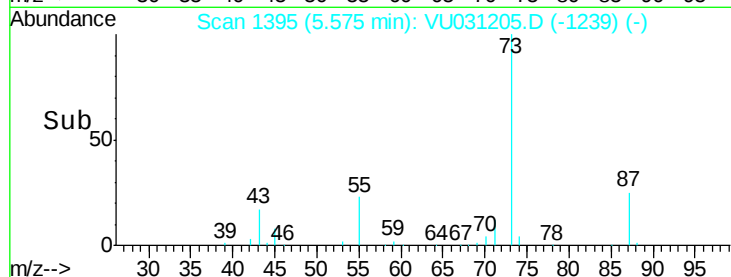
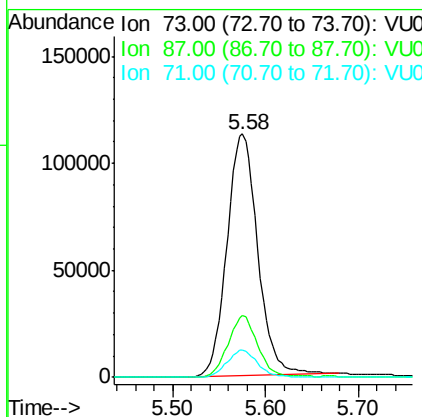
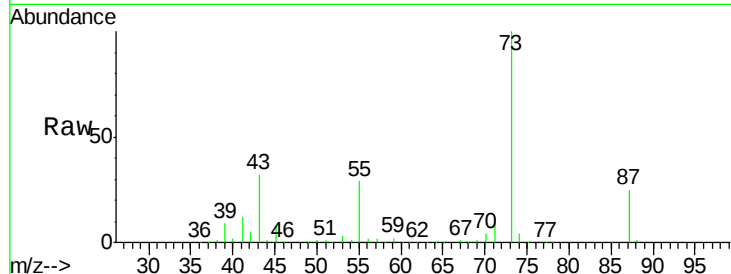
Tert-Butyl methyl ether
 Concen: 11.488 ug/l
 RT: 5.58 min Scan# 1395
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.5	18.4	27.6
71	11.0	8.8	13.2

Manual Integrations
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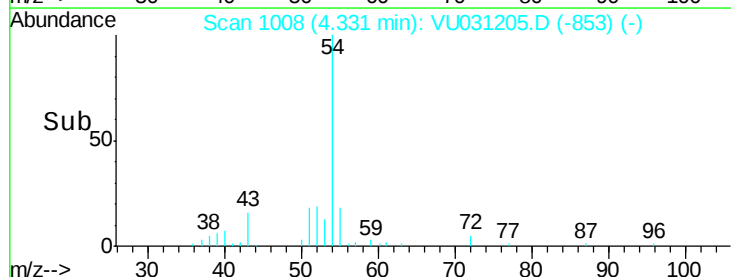
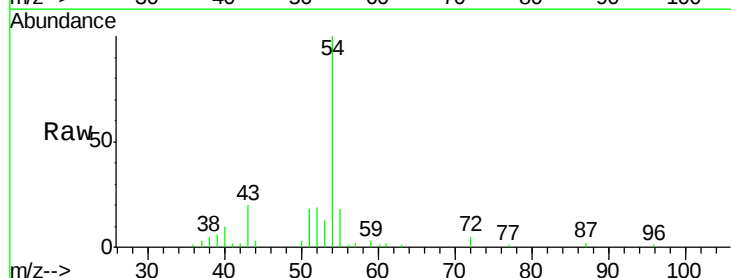
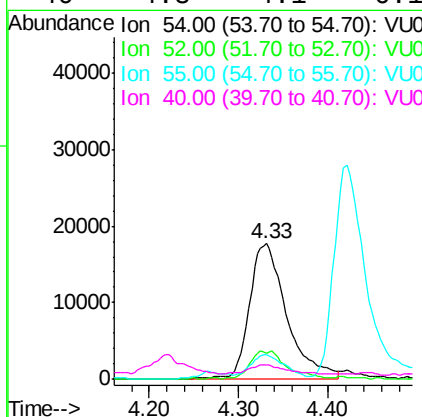
MMDadoda
 4/17/2019 9:15:12 AM

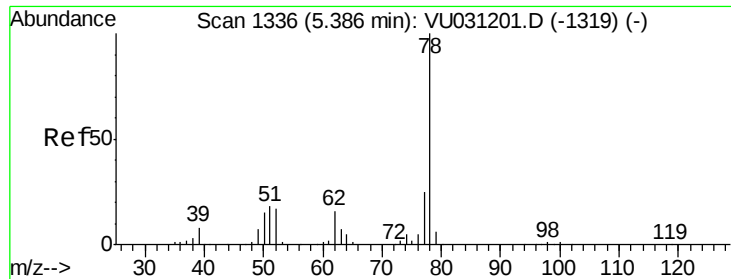


#34

Propionitrile
 Concen: 57.783 ug/l
 RT: 4.33 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Tgt Ion	Ratio	Lower	Upper
54	100		
52	9.3	15.9	23.9#
55	13.7	8.9	13.3#
40	4.8	4.1	6.1





#35

Benzene

Concen: 10.758 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 78 Resp: 469210

Ion Ratio Lower Upper

78 100

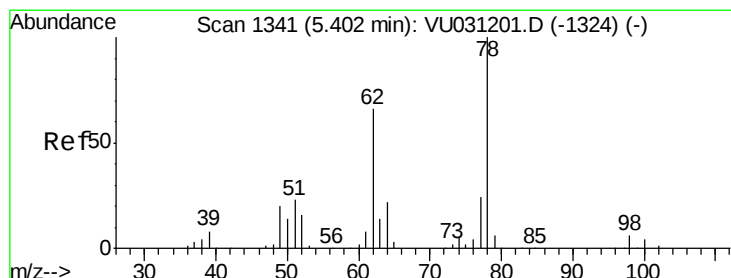
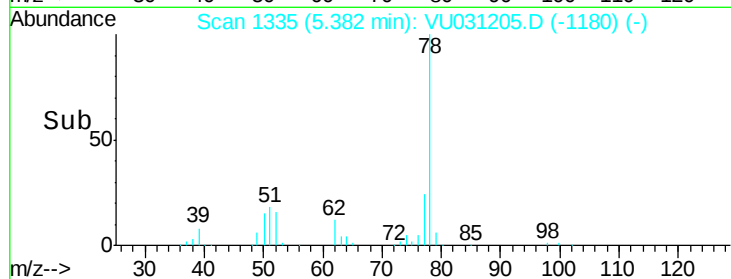
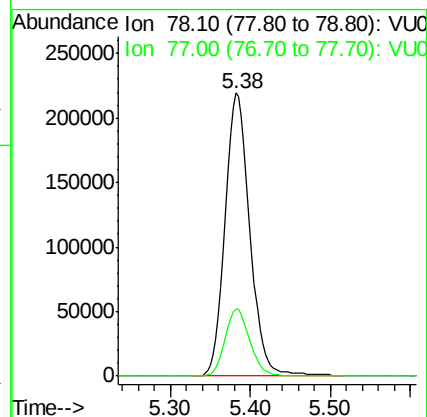
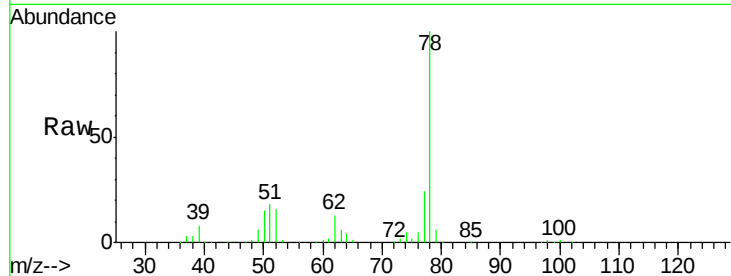
77 23.9 19.6 29.4

Manual Integrations

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#36

1,2-Dichloroethane

Concen: 10.194 ug/l

RT: 5.40 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VU031205.D

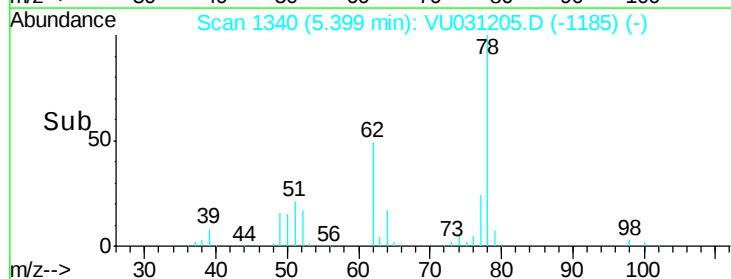
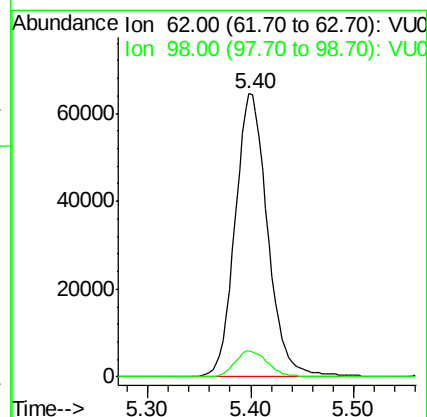
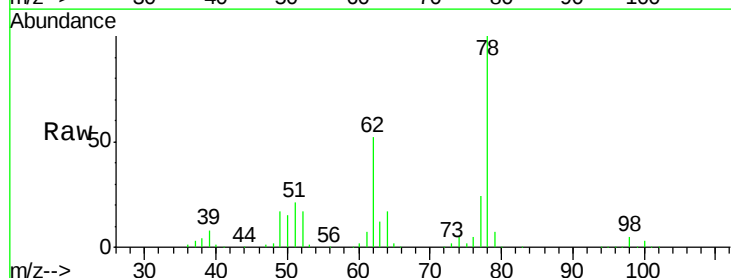
Acq: 16 Apr 2019 09:54

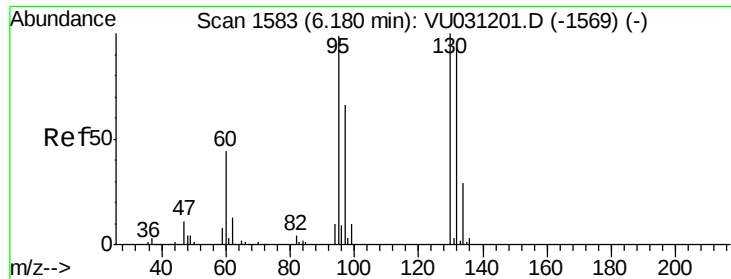
Tgt Ion: 62 Resp: 141494

Ion Ratio Lower Upper

62 100

98 9.3 7.0 10.6





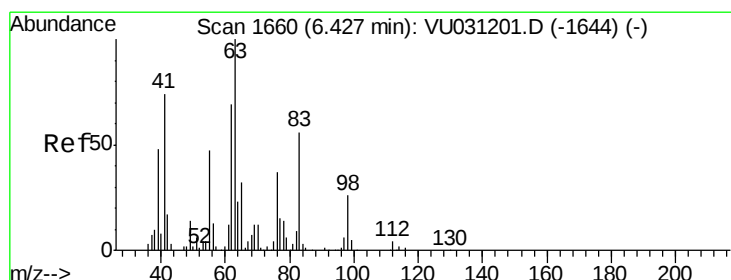
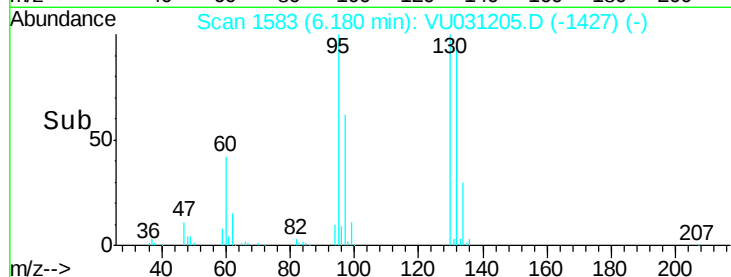
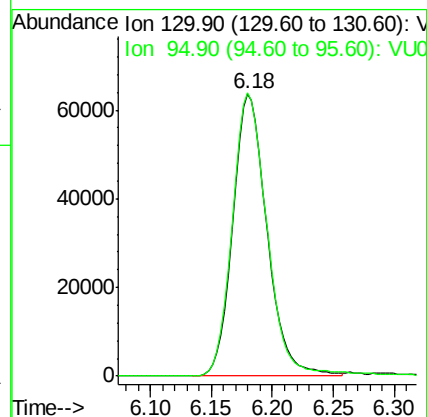
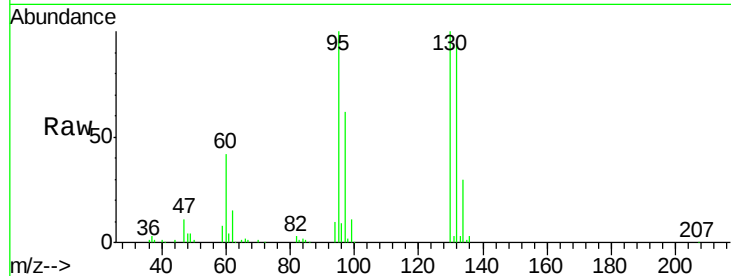
#37
 Trichloroethene
 Concen: 10.156 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
130	100		
95	100.3	79.3	118.9

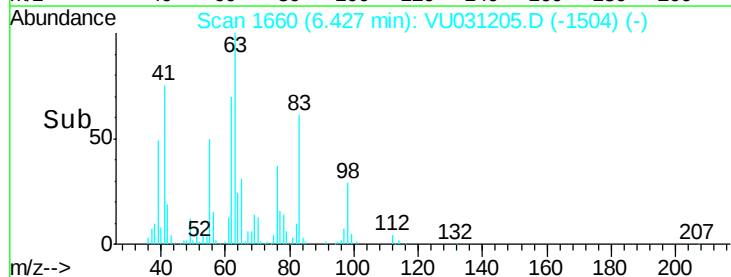
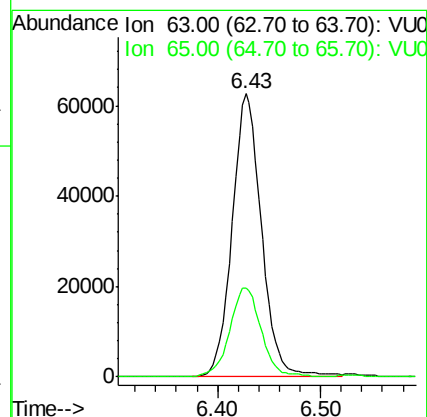
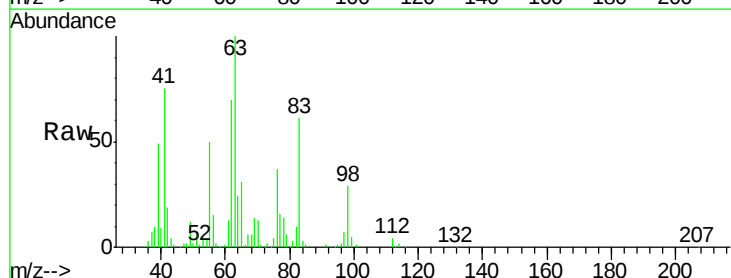
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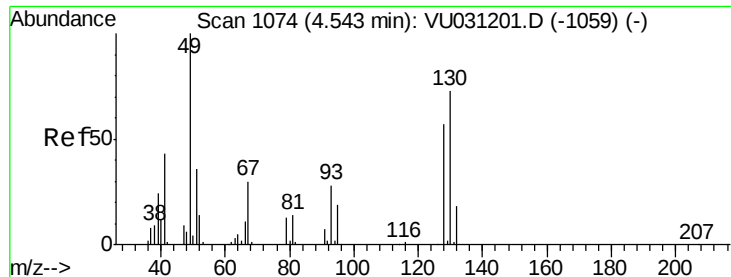
MMDadoda
 4/17/2019 9:15:12 AM



#38
 1,2-Dichloropropane
 Concen: 10.713 ug/l
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.5	38.3





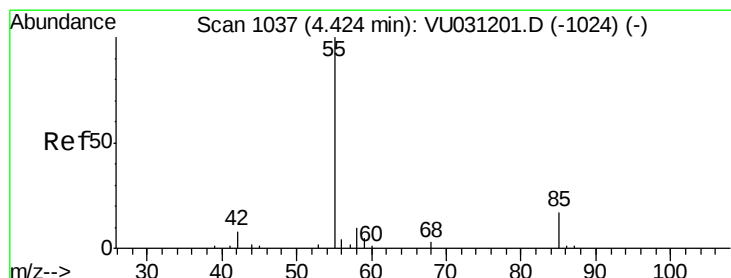
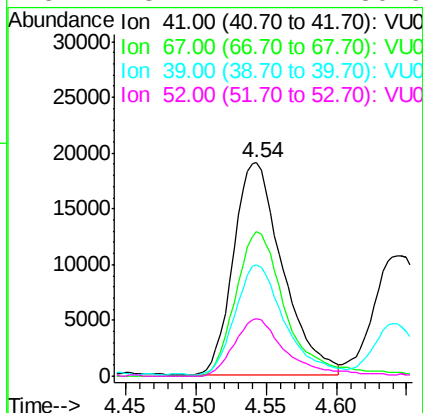
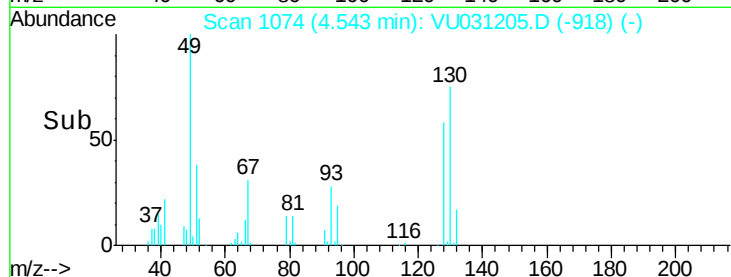
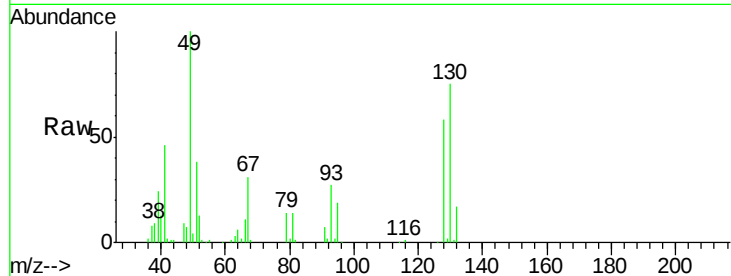
#39
Methacrylonitrile
Concen: 11.555 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	41	Resp	46476
Ion	Ratio	Lower	Upper
41	100		
67	68.6	59.7	89.5
39	52.1	42.2	63.2
52	28.4	24.4	36.6

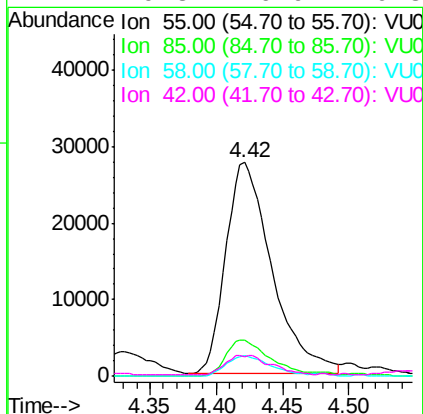
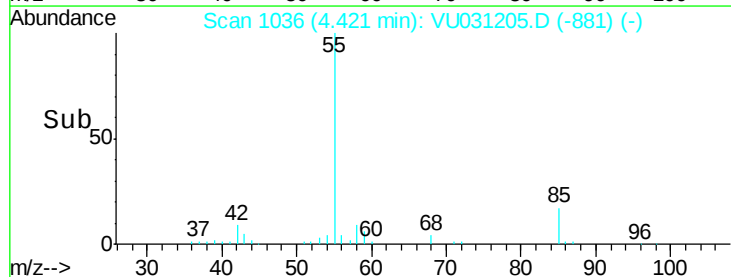
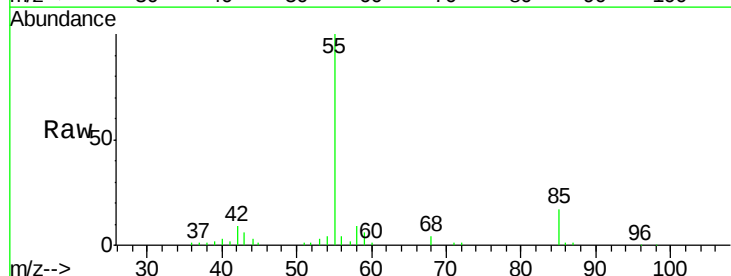
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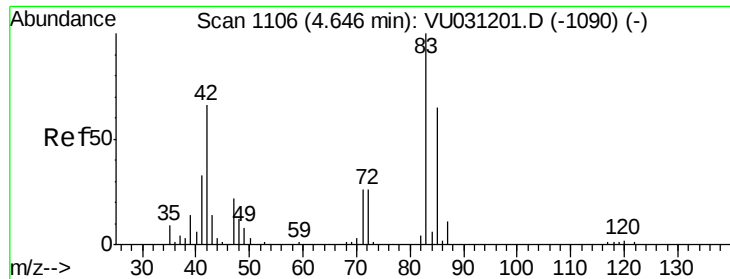
MMDadoda
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#40
Methyl acrylate
Concen: 10.652 ug/l
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Tgt Ion	55	Resp	67006
Ion	Ratio	Lower	Upper
55	100		
85	16.1	12.2	18.2
58	9.2	7.0	10.6
42	9.3	6.9	10.3





#41

Tetrahydrofuran

Concen: 22.344 ug/l

RT: 4.64 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

Instrument :

MSVOA_U

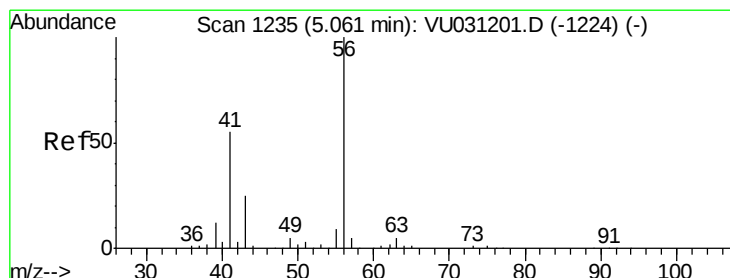
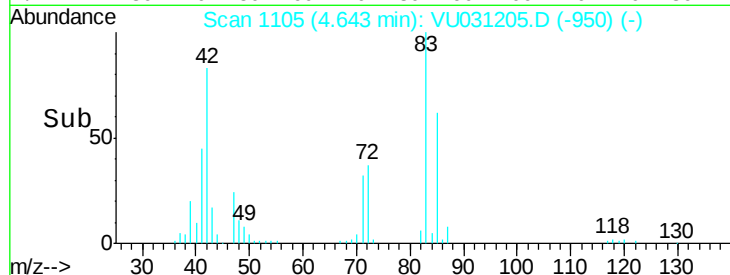
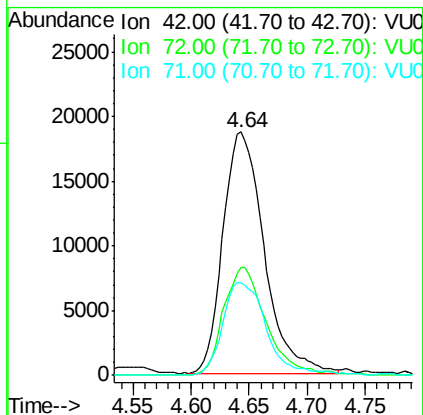
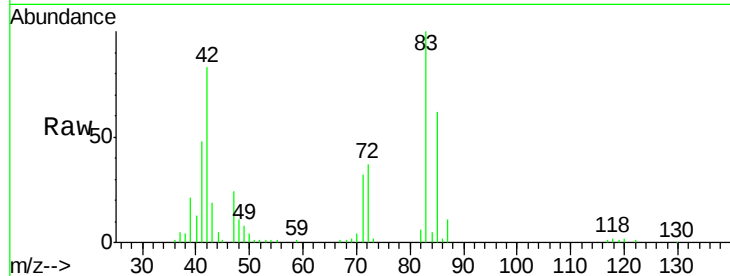
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	45896
Ion	Ratio	Lower	Upper
42	100		
72	45.7	34.4	51.6
71	41.1	32.0	48.0

Manual Integrations
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#42

1-Chlorobutane

Concen: 11.254 ug/l

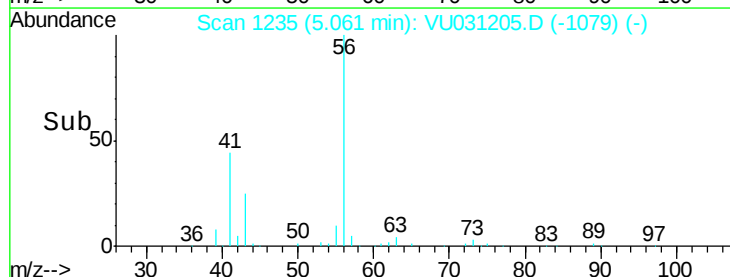
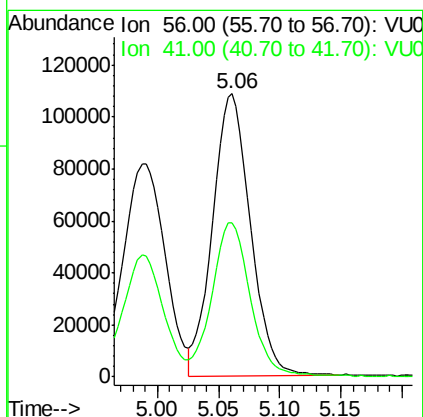
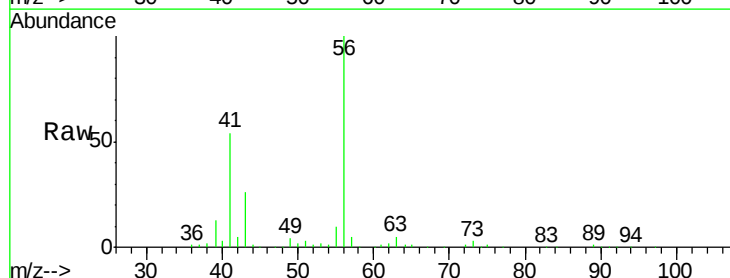
RT: 5.06 min Scan# 1235

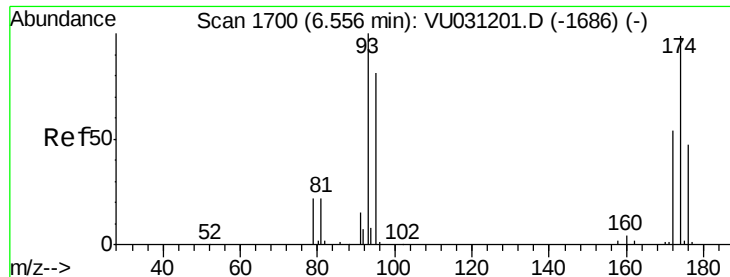
Delta R.T. 0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

Tgt Ion:	56	Resp:	234907
Ion	Ratio	Lower	Upper
56	100		
41	55.1	27.3	81.9





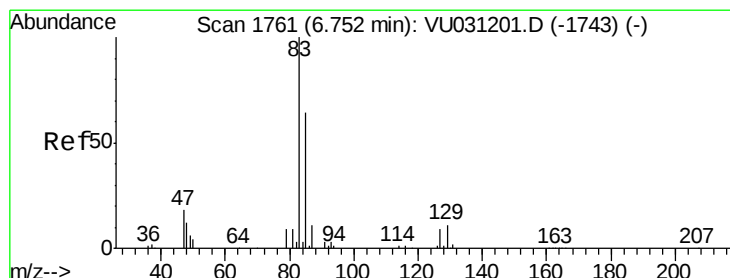
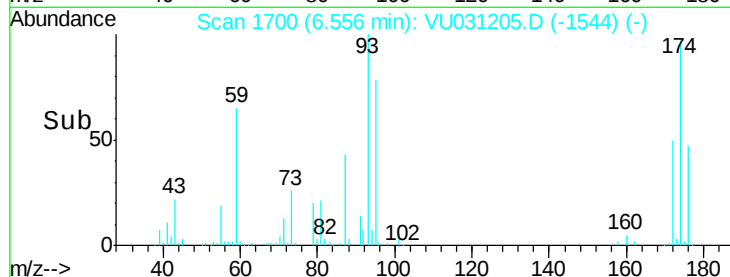
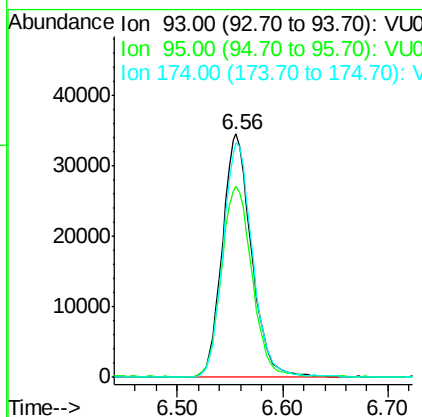
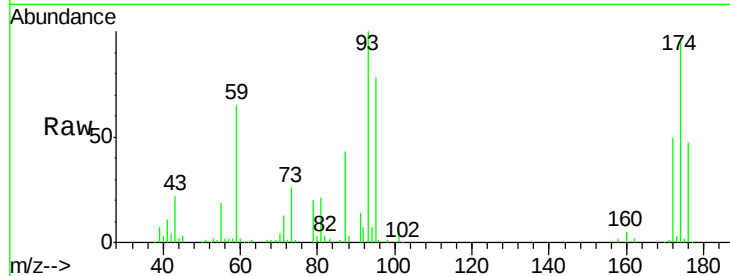
#43
Dibromomethane
Concen: 10.568 ug/l
RT: 6.56 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion: 93 Resp: 66040
Ion Ratio Lower Upper
93 100
95 82.7 67.4 101.0
174 96.9 79.1 118.7

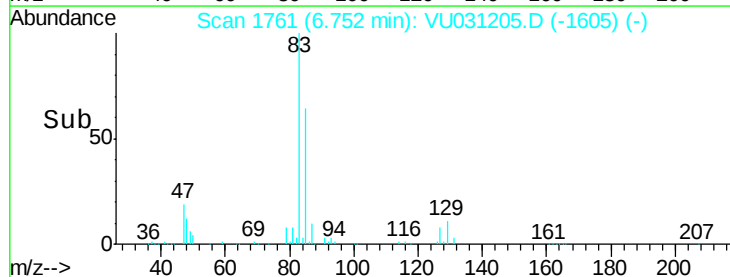
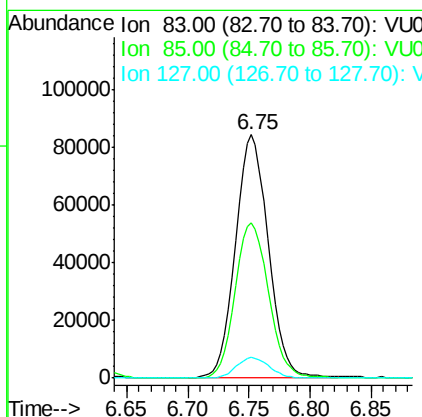
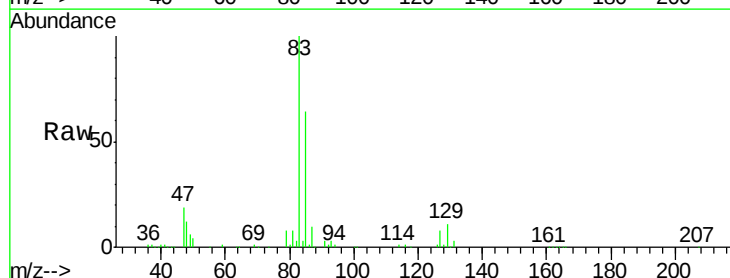
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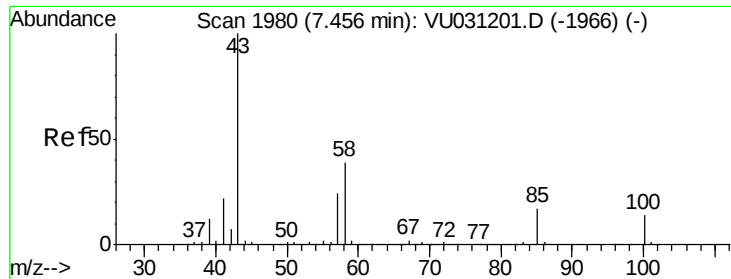
MMDadoda
4/17/2019 9:15:12 AM



#44
Bromodichloromethane
Concen: 10.344 ug/l
RT: 6.75 min Scan# 1761
Delta R.T. 0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Tgt Ion: 83 Resp: 155766
Ion Ratio Lower Upper
83 100
85 63.9 51.0 76.6
127 8.4 7.4 11.0





#45

4-Methyl-2-Pentanone

Concen: 58.235 ug/l

RT: 7.46 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

Instrument :

MSVOA_U

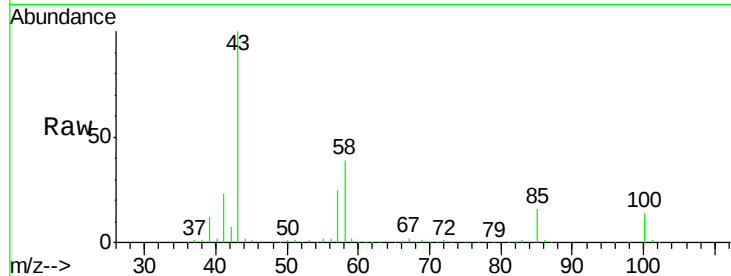
ClientSampleId :

VSTDCCC010

Tot Ion:	43	Resp:	429276
Ion	Ratio	Lower	Upper
43	100		
58	38.5	19.4	58.2
85	16.2	13.2	19.8

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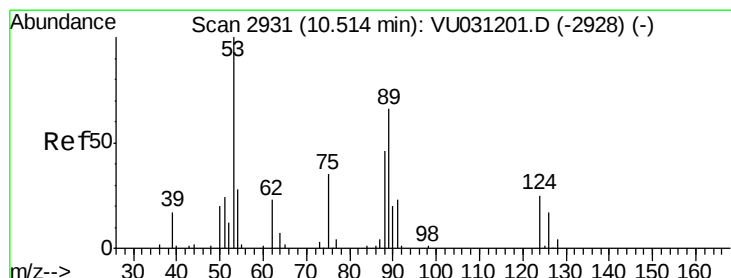
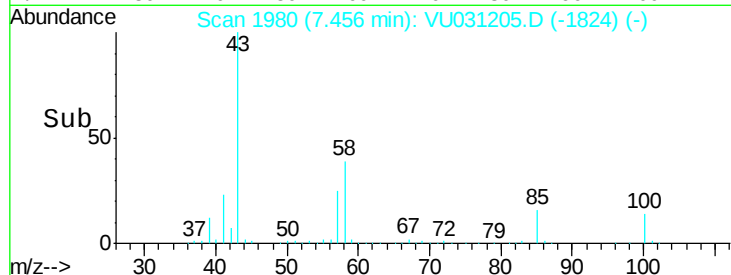
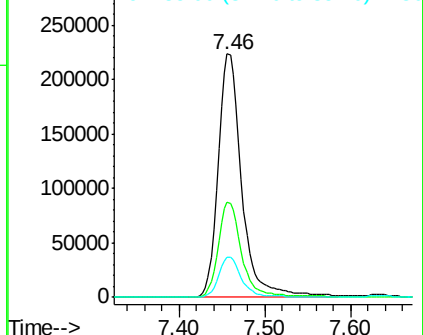


Abundance

Ion 43.00 (42.70 to 43.70): VU031205.D (-1824) (-)

Ion 58.00 (57.70 to 58.70): VU031205.D (-1824) (-)

Ion 85.00 (84.70 to 85.70): VU031205.D (-1824) (-)



#46

t-1,4-Dichloro-2-butene

Concen: 22.516 ug/l m

RT: 10.51 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

Tgt Ion:	75	Resp:	63266
Ion	Ratio	Lower	Upper
75	100		
53	77.5	65.2	97.8
89	52.7	43.0	64.4
88	41.4	32.5	48.7

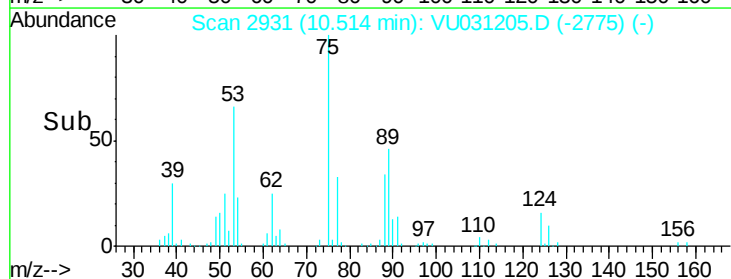
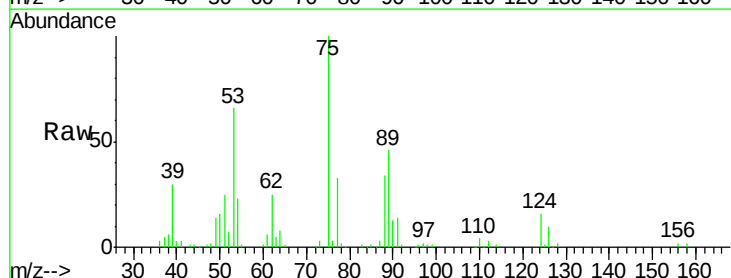
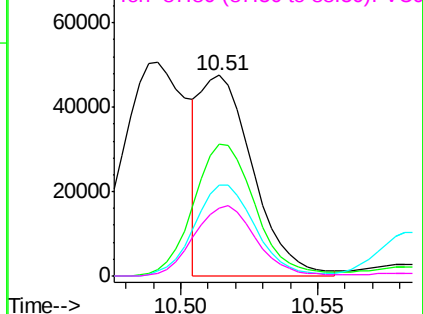
Abundance

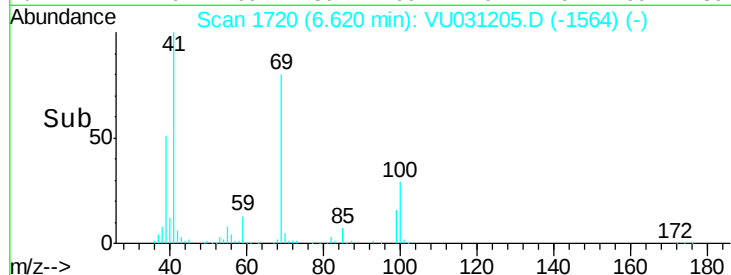
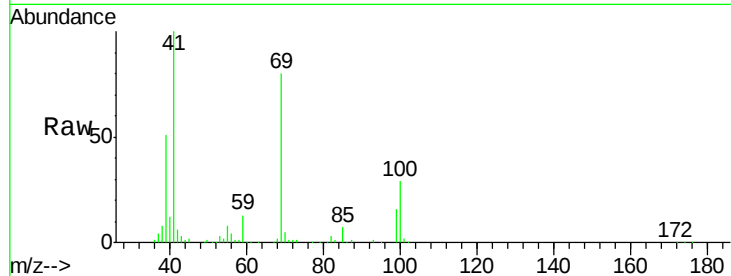
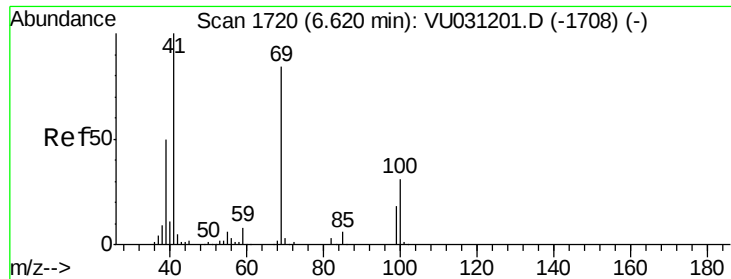
Ion 74.90 (74.60 to 75.60): VU031205.D (-2775) (-)

Ion 53.00 (52.70 to 53.70): VU031205.D (-2775) (-)

Ion 88.80 (88.50 to 89.50): VU031205.D (-2775) (-)

Ion 87.80 (87.50 to 88.50): VU031205.D (-2775) (-)





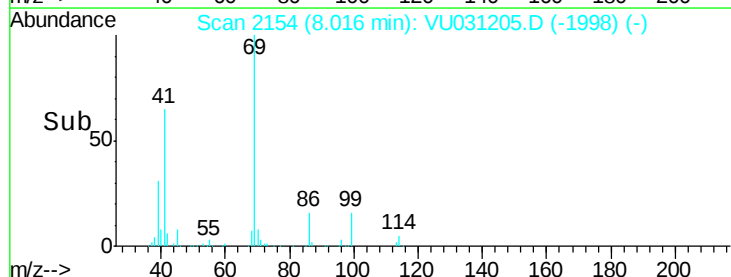
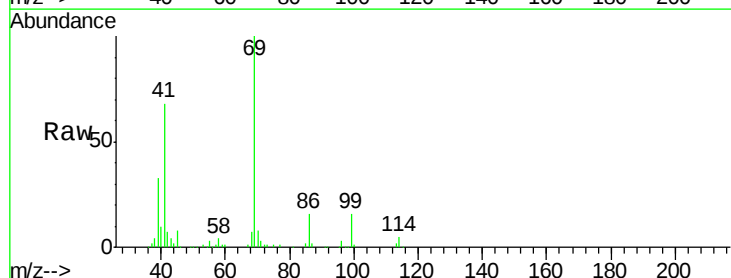
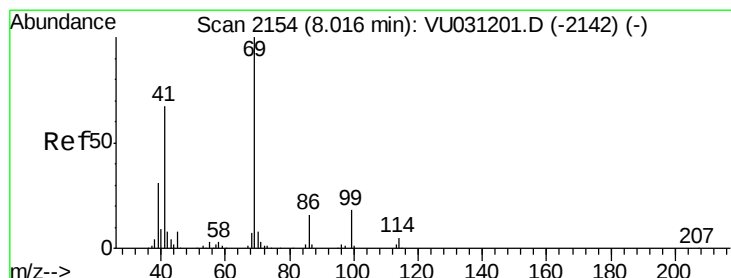
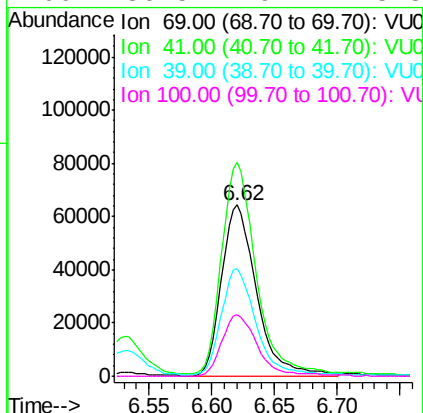
#47
Methyl methacrylate
Concen: 23.762 ug/l
RT: 6.62 min Scan# 1720
Delta R.T. 0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	121.7	0.0	237.2		
39	61.1	47.4	71.2		
100	36.5	29.2	43.8		

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

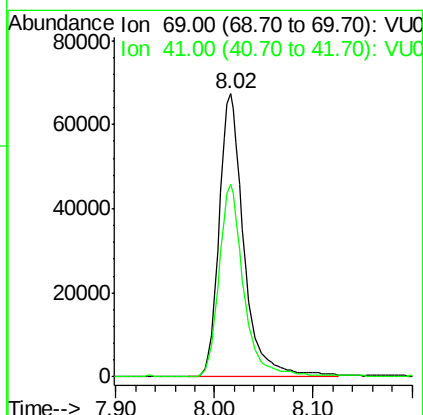
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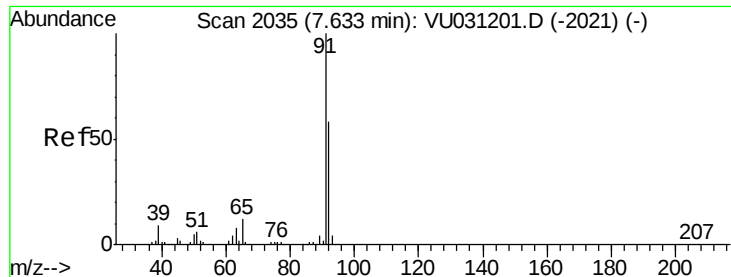
MMDadoda
4/17/2019 9:15:12 AM



#48
Ethyl methacrylate
Concen: 10.347 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	67.4	32.5	97.5		





#49

Toluene

Concen: 11.643 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 92 Resp: 278709

Ion Ratio Lower Upper

92 100

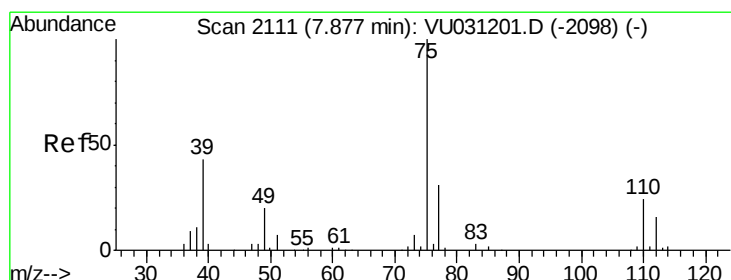
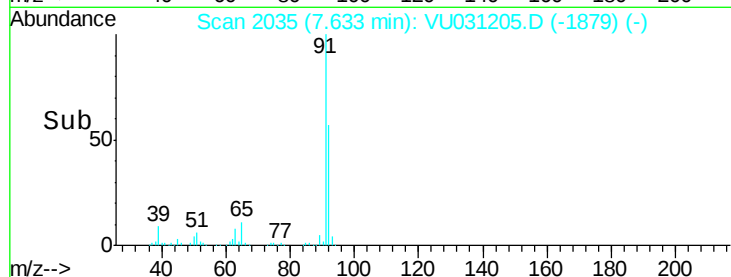
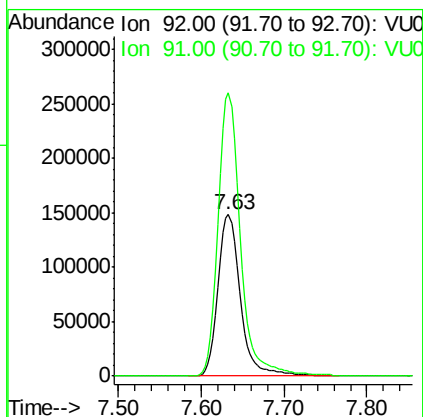
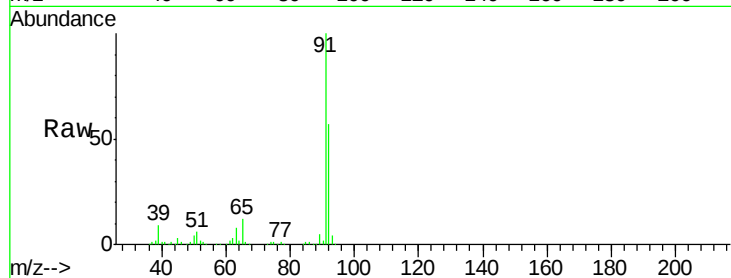
91 174.8 140.2 210.4

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#50

t-1,3-Dichloropropene

Concen: 11.693 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031205.D

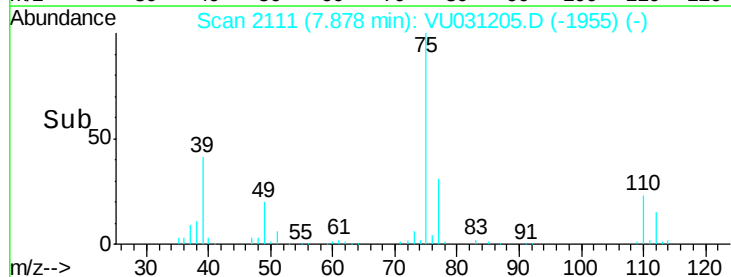
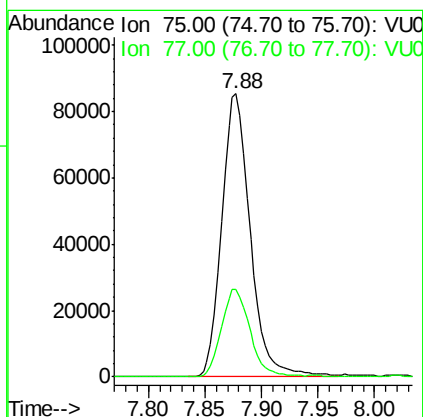
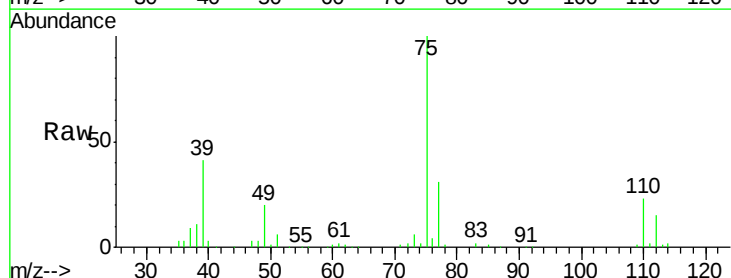
Acq: 16 Apr 2019 09:54

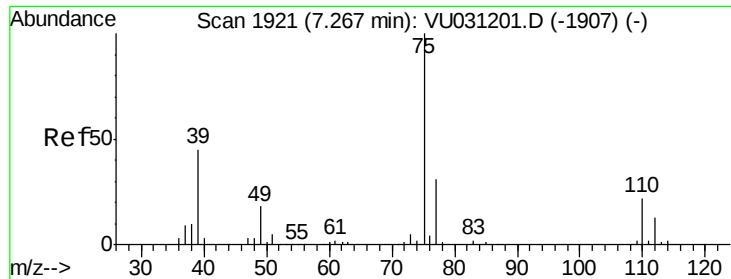
Tgt Ion: 75 Resp: 150146

Ion Ratio Lower Upper

75 100

77 30.8 24.6 37.0





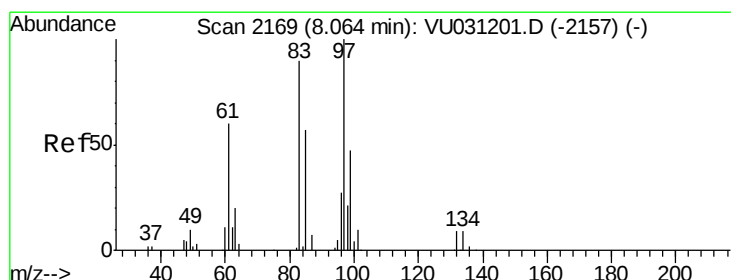
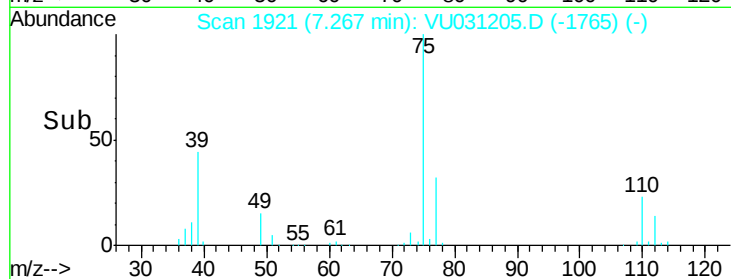
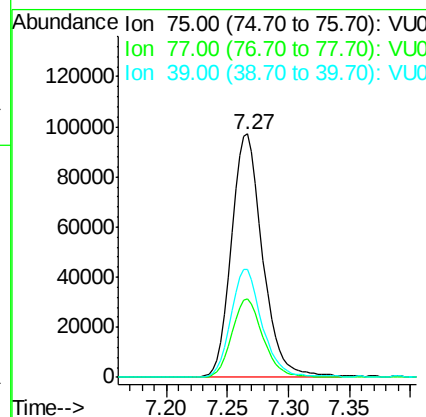
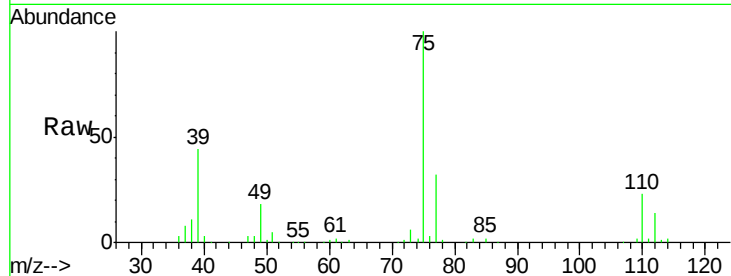
#51
 cis-1,3-Dichloropropene
 Concen: 11.480 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.6	37.0
39	44.4	36.1	54.1

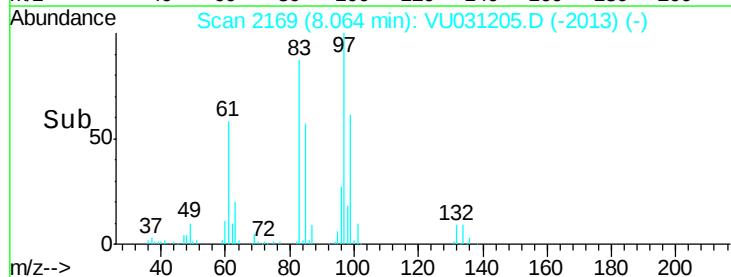
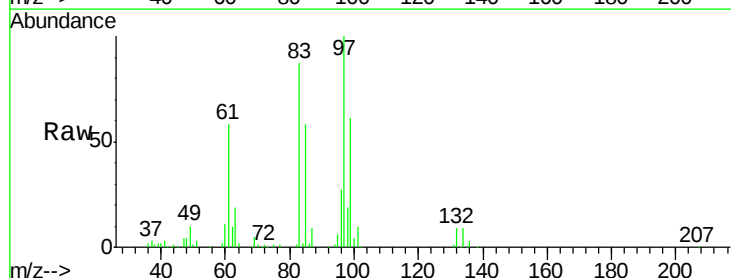
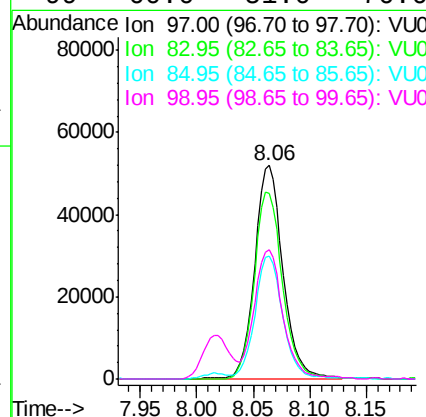
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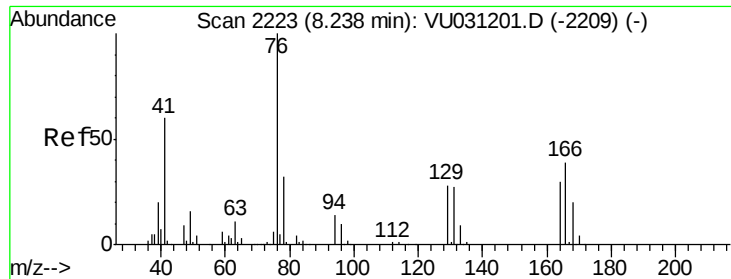
MMDadoda
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#52
 1,1,2-Trichloroethane
 Concen: 10.720 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.7	71.5	107.3
85	57.2	46.7	70.1
99	60.0	51.0	76.6





#53

1,3-Dichloropropane

Concen: 10.749 ug/l

RT: 8.24 min Scan# 2223

Delta R.T. 0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 153858

Ion Ratio Lower Upper

76 100

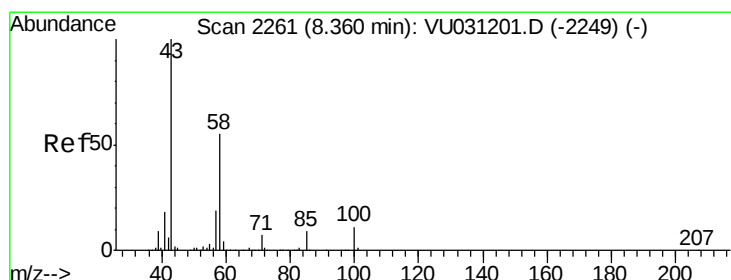
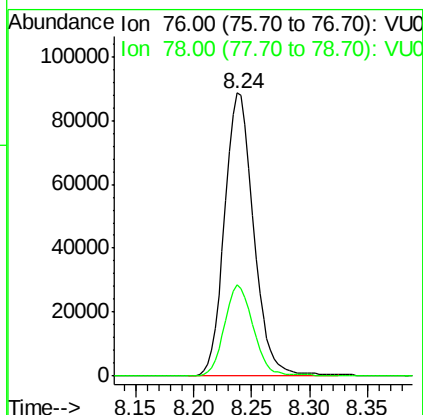
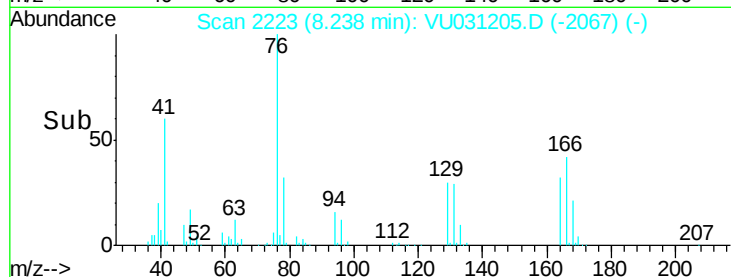
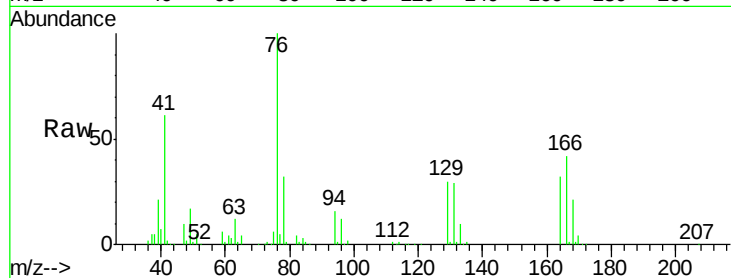
78 32.1 25.3 37.9

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#54

2-Hexanone

Concen: 61.078 ug/l

RT: 8.36 min Scan# 2261

Delta R.T. 0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

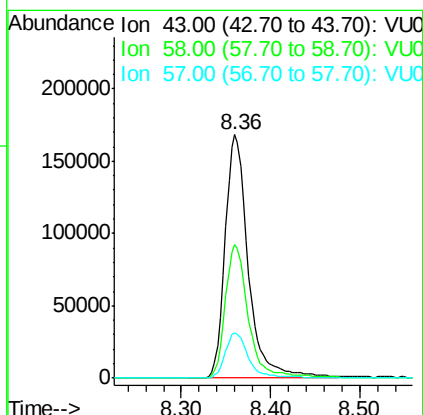
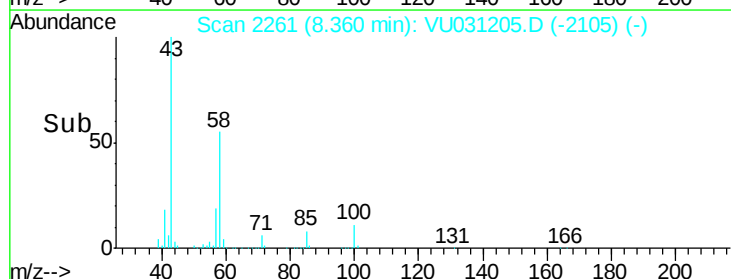
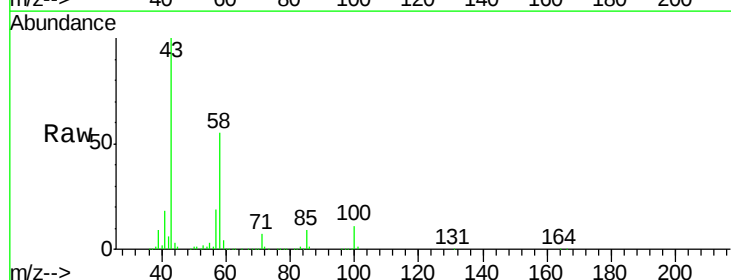
Tgt Ion: 43 Resp: 303852

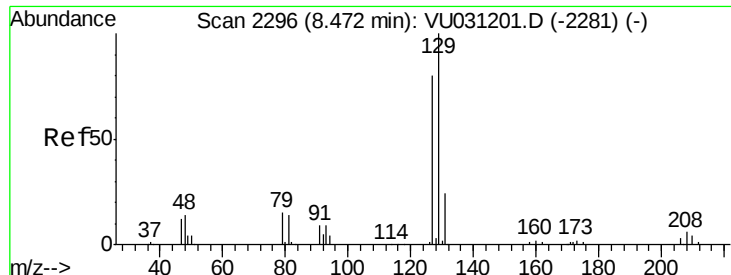
Ion Ratio Lower Upper

43 100

58 54.8 35.5 75.5

57 18.7 0.0 38.7





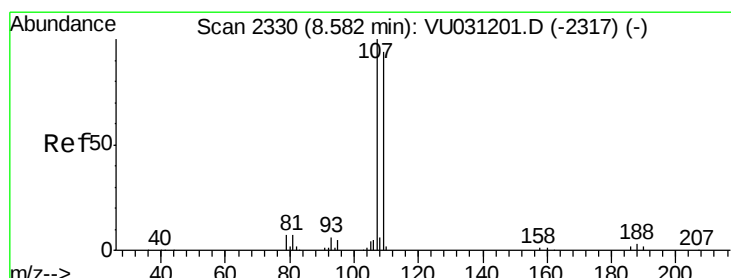
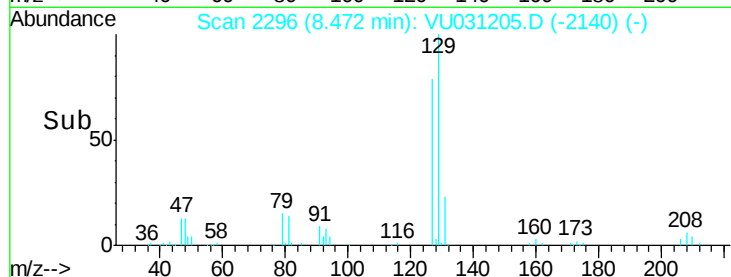
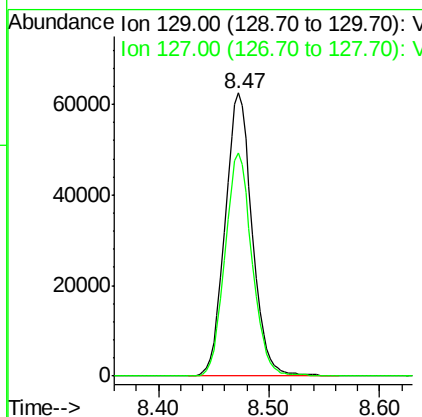
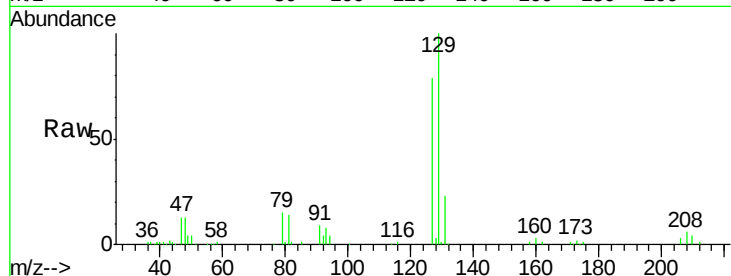
#55
 Dibromochloromethane
 Concen: 10.655 ug/l
 RT: 8.47 min Scan# 2296
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion:129 Resp: 106495
 Ion Ratio Lower Upper
 129 100
 127 78.8 62.2 93.2

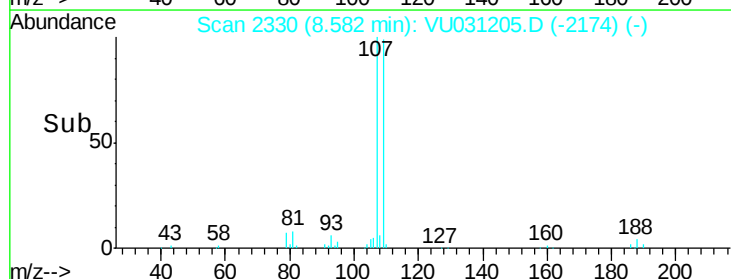
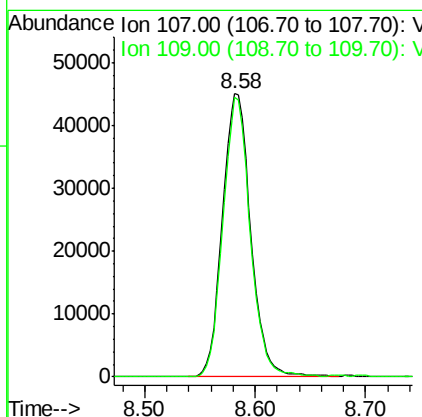
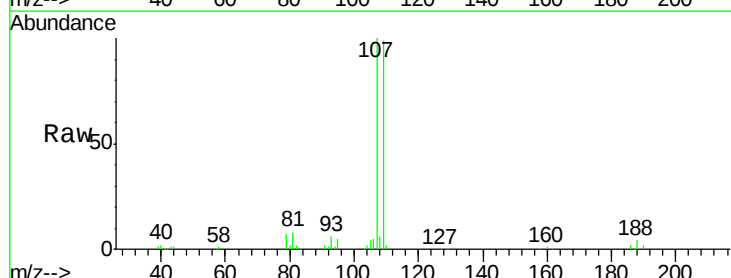
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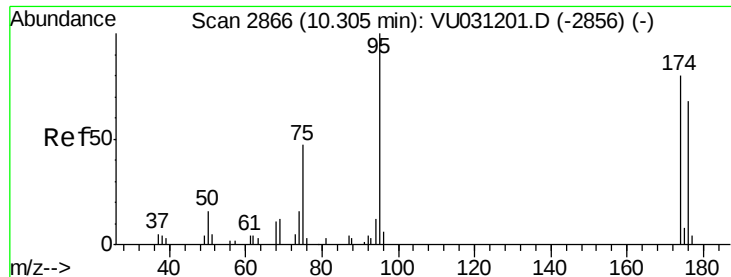
MMDadoda
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#56
 1,2-Dibromoethane
 Concen: 10.254 ug/l
 RT: 8.58 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Tgt Ion:107 Resp: 80352
 Ion Ratio Lower Upper
 107 100
 109 95.1 0.0 189.0





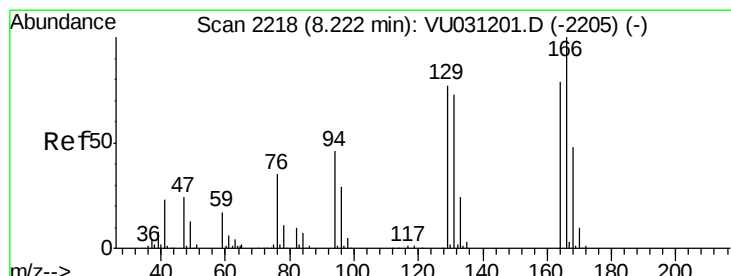
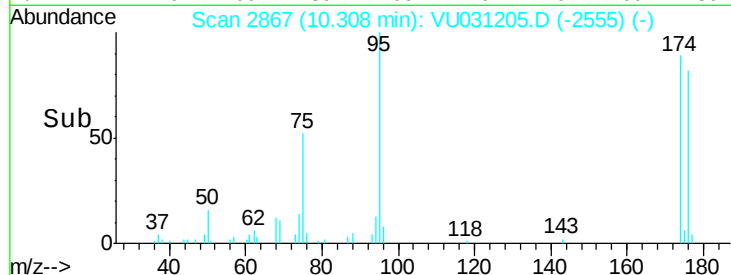
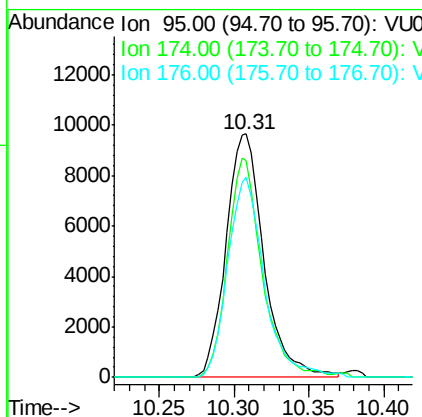
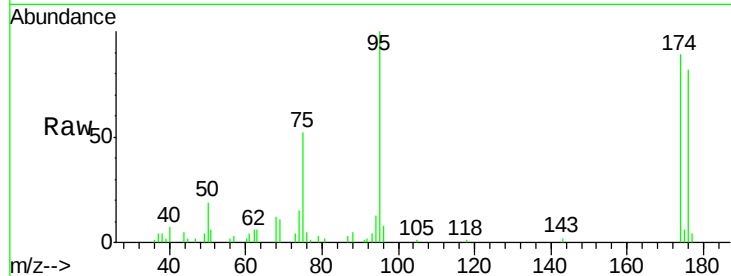
#57
4-Bromofluorobenzene
Concen: 10.254 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
95	100		
174	82.3	64.2	96.2
176	79.5	58.0	87.0

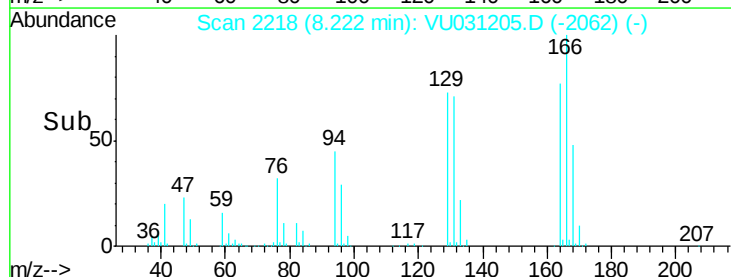
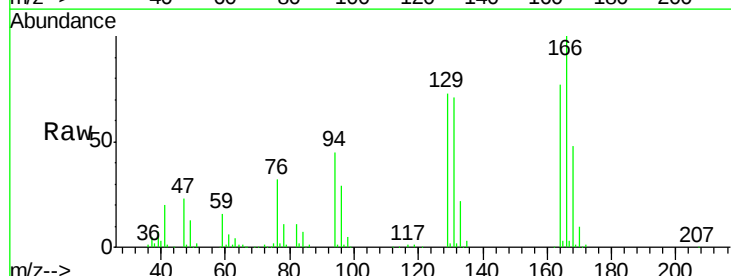
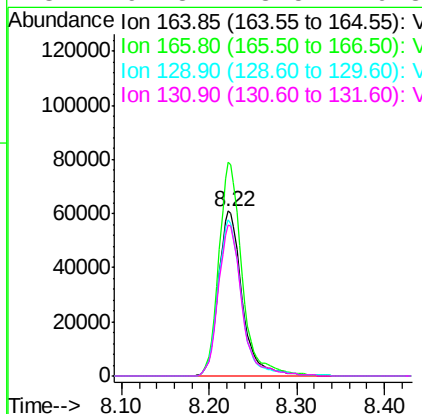
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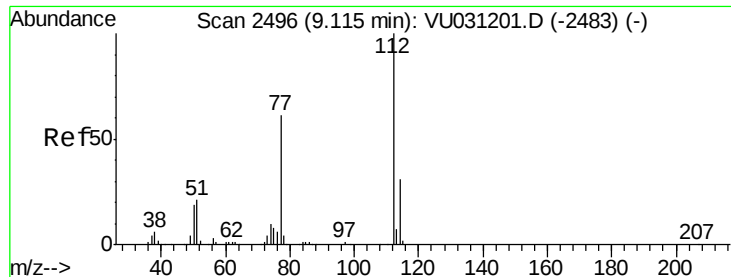
MMDadoda
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#58
Tetrachloroethene
Concen: 11.042 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	100.9	151.3
129	94.8	77.6	116.4
131	91.8	73.5	110.3





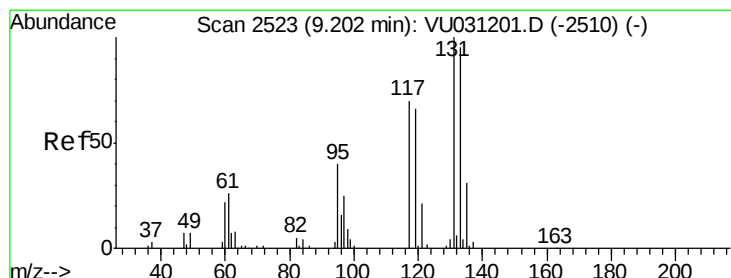
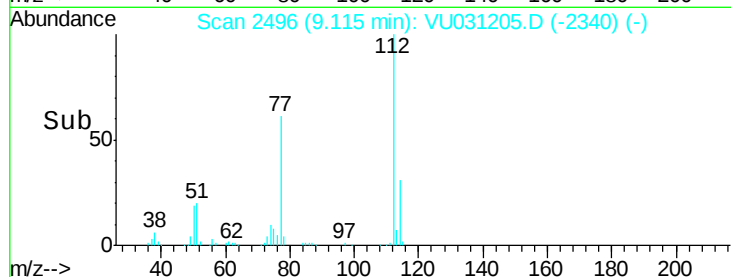
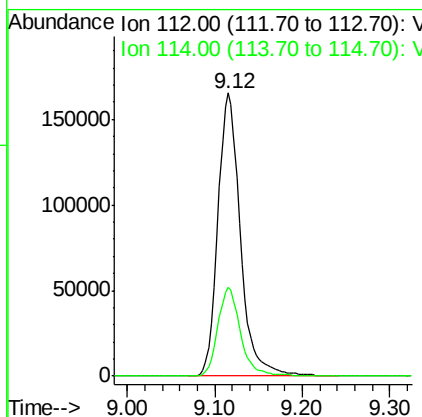
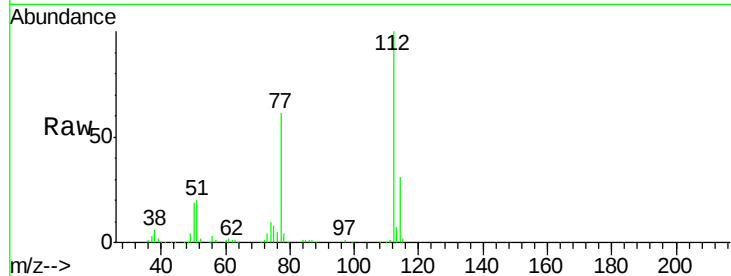
#59
Chlorobenzene
Concen: 11.119 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Resp	Lower	Upper
112	100	295606		
114	31.3		24.4	36.6

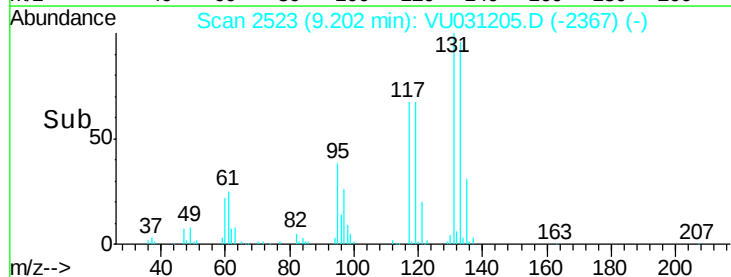
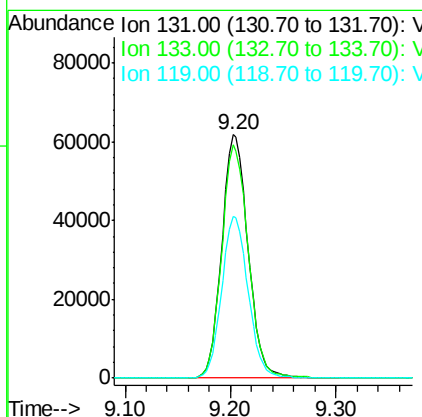
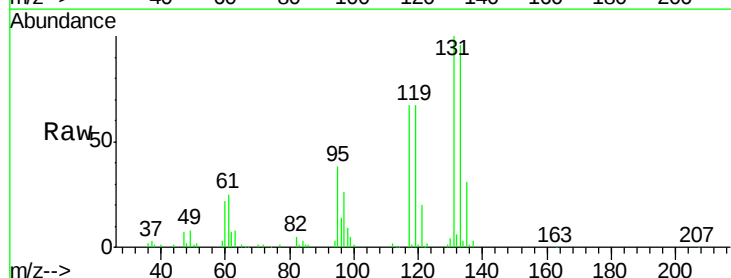
Manual Integrations
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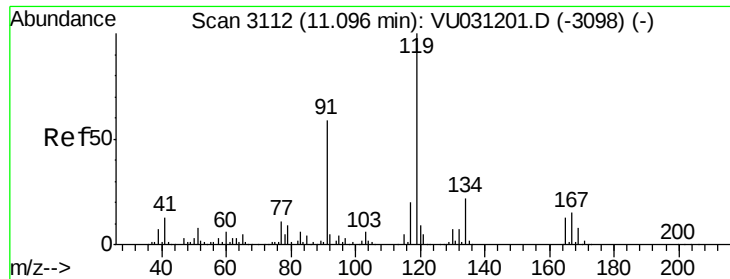
MMDadoda
4/17/2019 9:15:12 AM



#60
1,1,1,2-Tetrachloroethane
Concen: 10.680 ug/l
RT: 9.20 min Scan# 2523
Delta R.T. 0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	106416		
133	97.2		77.2	115.8
119	67.0		51.4	77.2





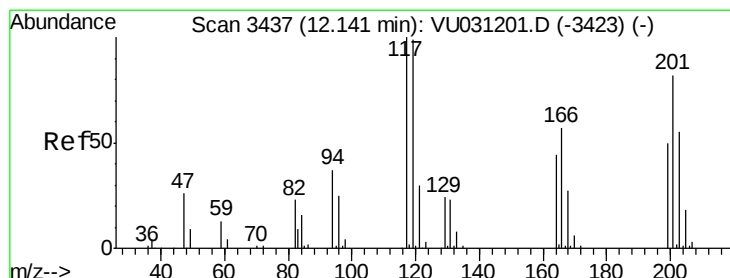
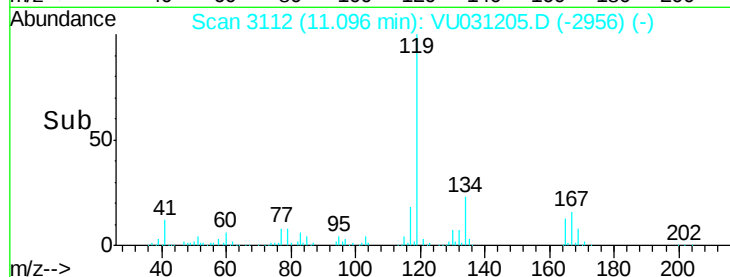
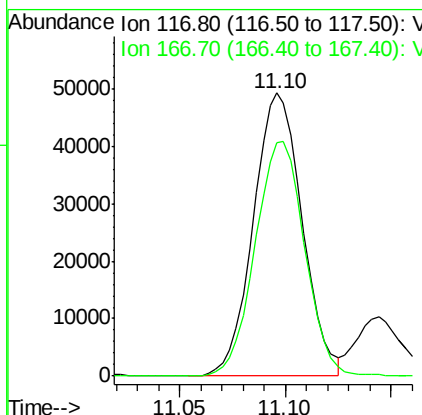
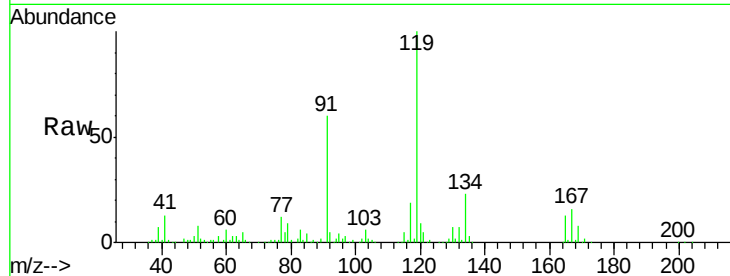
#61
 Pentachloroethane
 Concen: 10.225 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion:117 Resp: 79280
 Ion Ratio Lower Upper
 117 100
 167 84.2 63.1 94.7

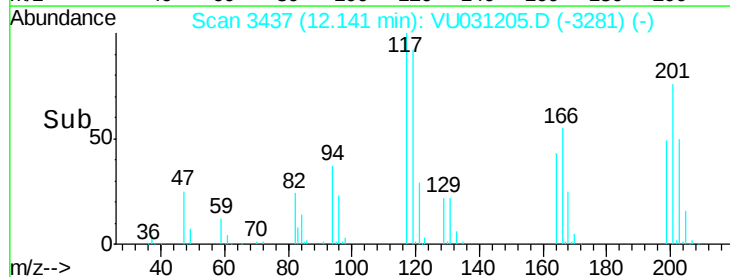
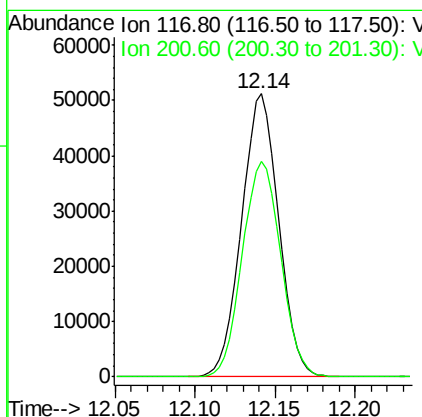
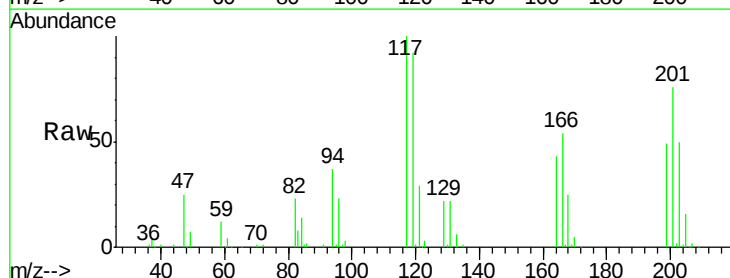
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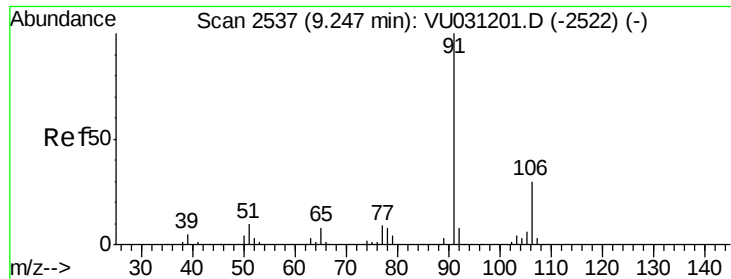
MMDadoda
 4/17/2019 9:15:12 AM



#62
 Hexachloroethane
 Concen: 10.831 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Tgt Ion:117 Resp: 81171
 Ion Ratio Lower Upper
 117 100
 201 78.9 63.9 95.9





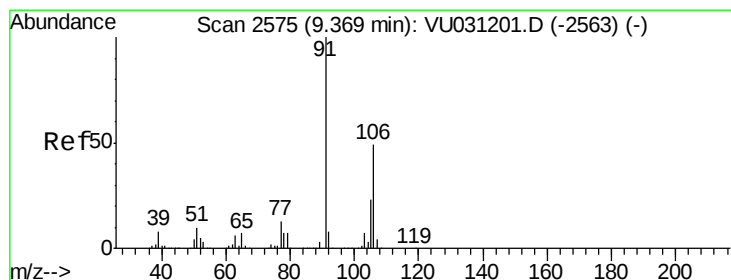
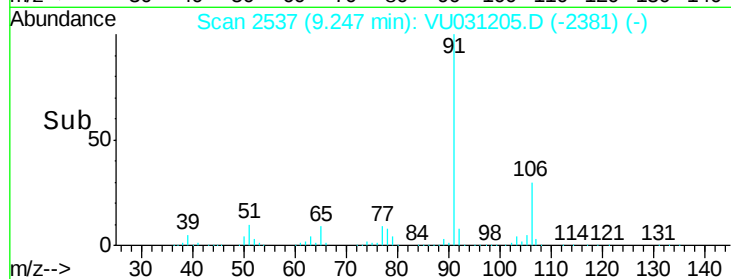
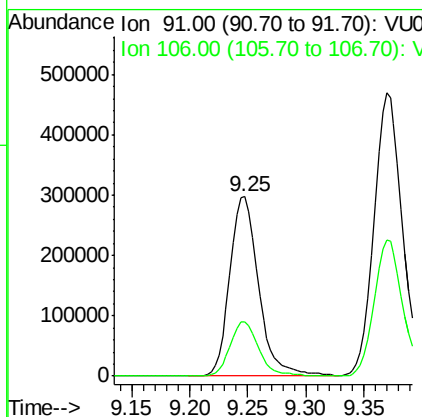
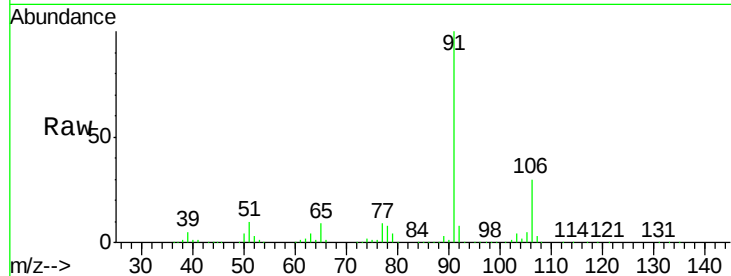
#63
Ethyl Benzene
Concen: 12.159 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 515759
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5

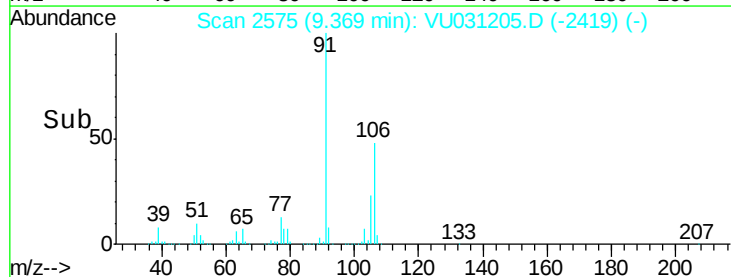
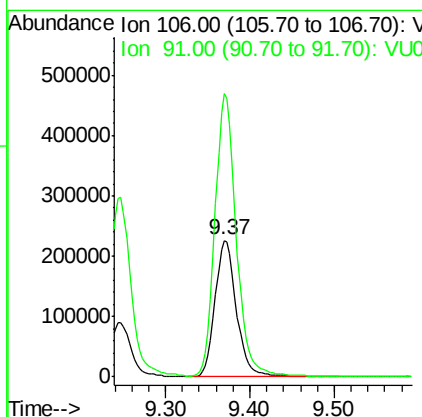
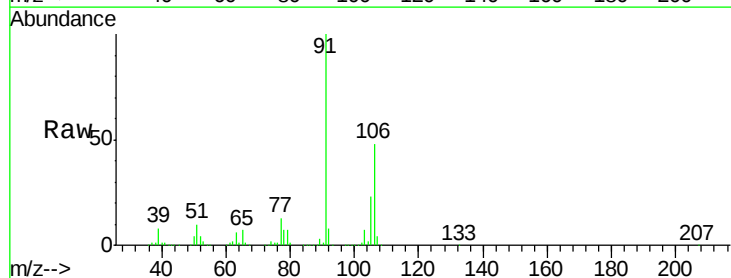
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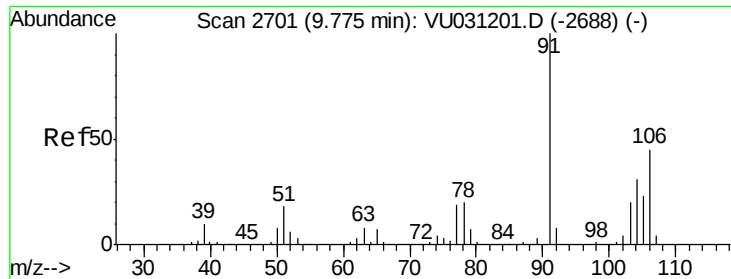
MMDadoda
4/17/2019 9:15:12 AM



#64
m/p-Xylenes
Concen: 24.728 ug/l
RT: 9.37 min Scan# 2575
Delta R.T. 0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Tgt Ion: 106 Resp: 399374
Ion Ratio Lower Upper
106 100
91 205.9 165.7 248.5





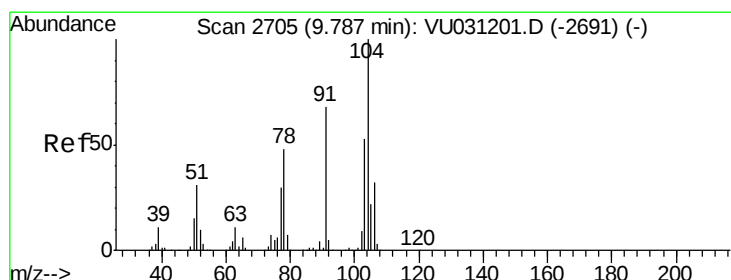
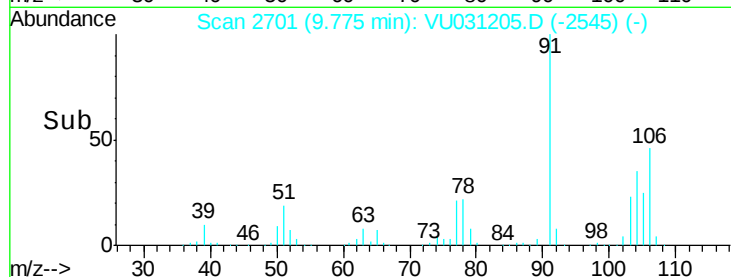
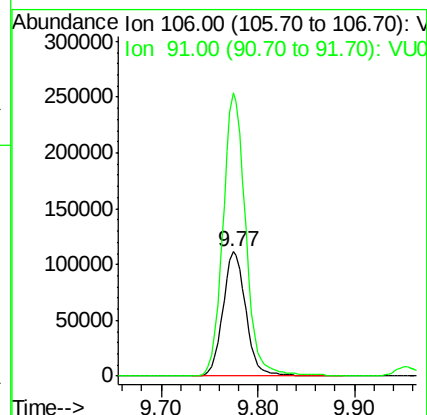
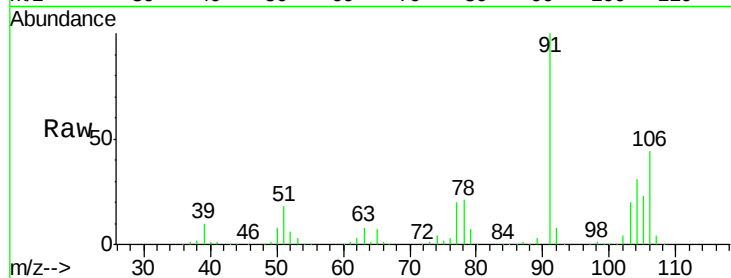
#65
o-Xylene
Concen: 11.929 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		184406		
91	224.1	111.3	333.8		

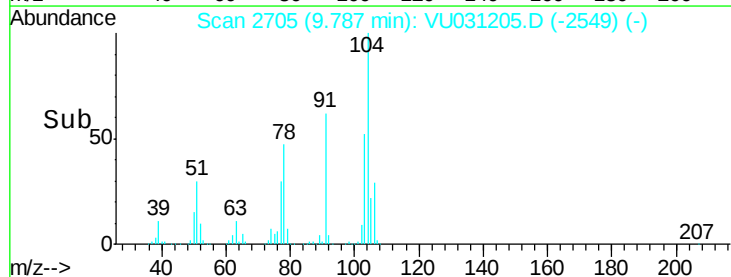
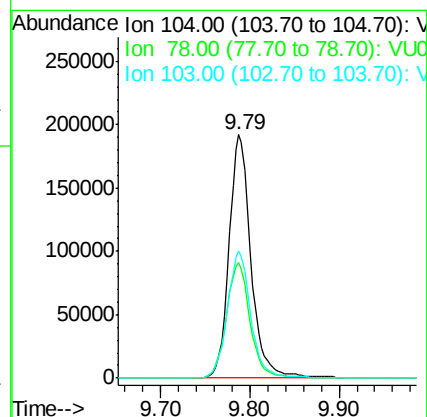
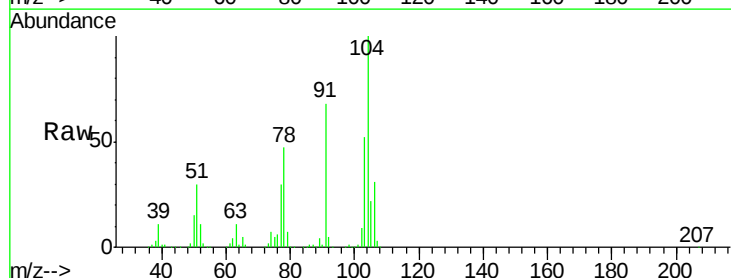
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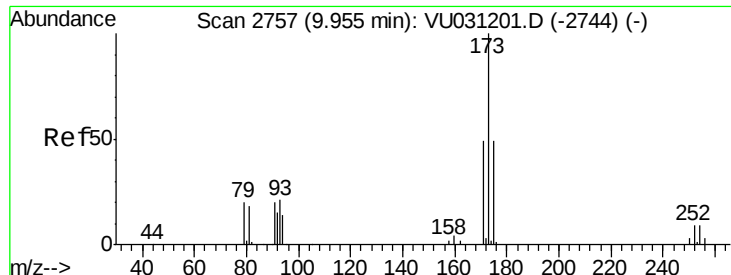
MMDadoda
4/17/2019 9:15:12 AM



#66
Styrene
Concen: 10.486 ug/l
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		326925		
78	51.1	41.4	62.0		
103	55.7	45.0	67.4		





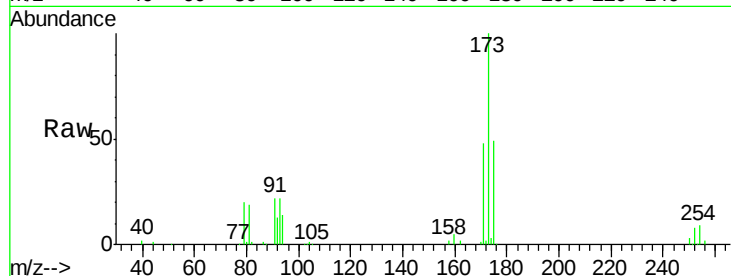
#67
Bromoform
Concen: 11.090 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	38.0	57.0
254	9.1	7.1	10.7

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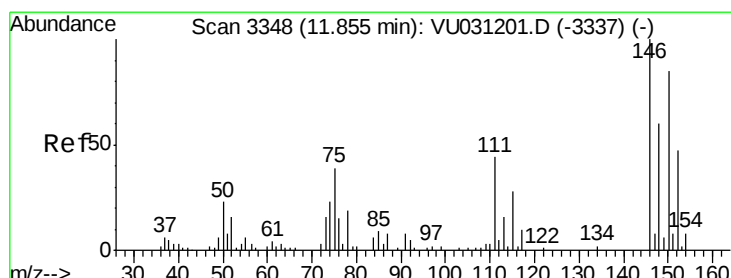
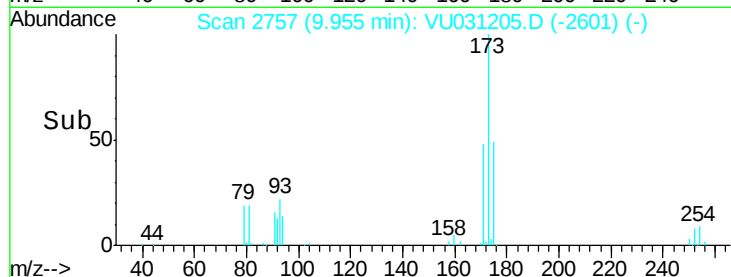
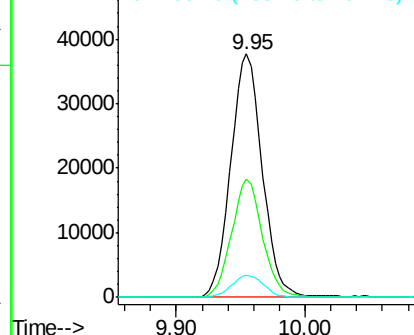


Abundance

Ion 172.90 (172.60 to 173.60): V

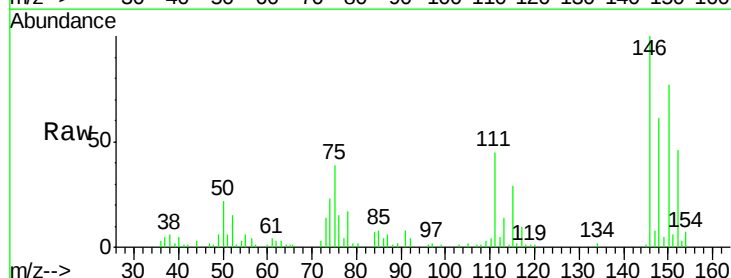
Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68
1,2-Dichlorobenzene-d4
Concen: 11.090 ug/l
RT: 11.85 min Scan# 3348
Delta R.T. 0.00 min
Lab File: VU031205.D
Acq: 16 Apr 2019 09:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	0.0	130.0
150	312.2	0.0	639.0

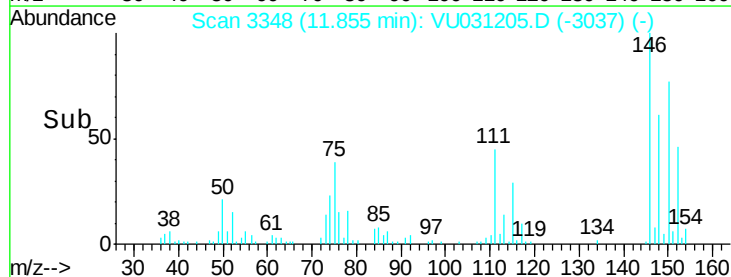
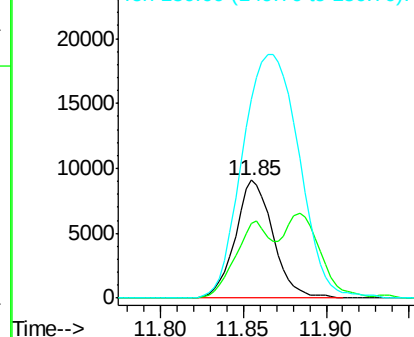


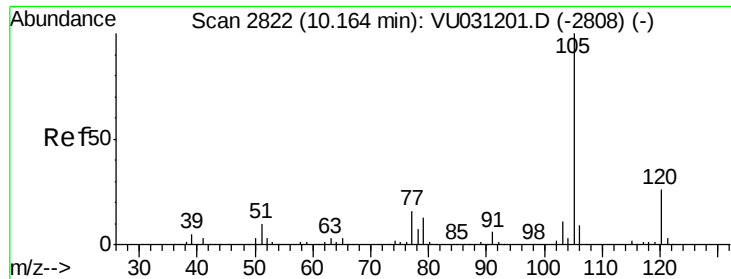
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 12.062 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 499822

Ion Ratio Lower Upper

105 100

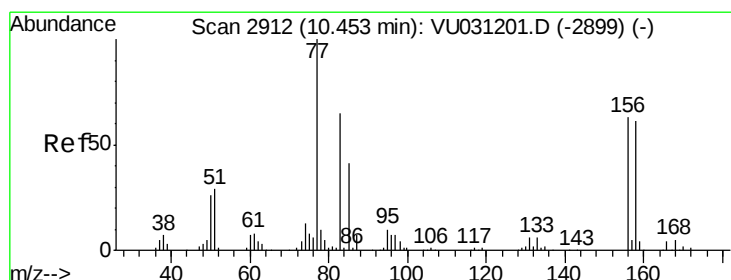
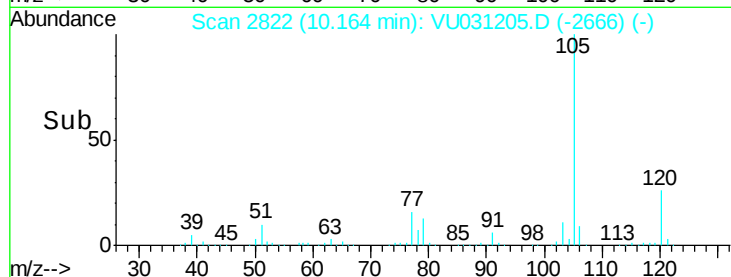
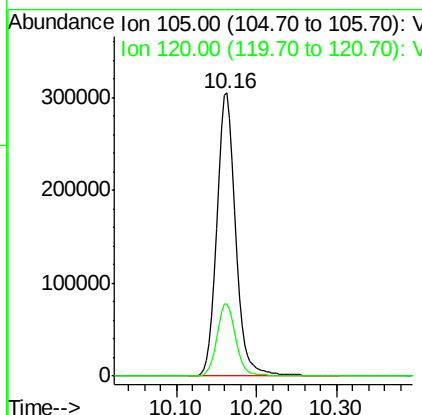
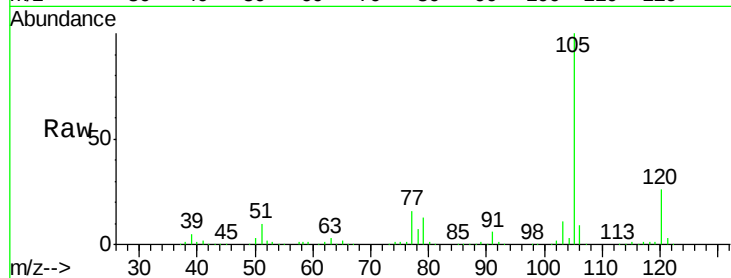
120 25.7 12.8 38.3

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#70

1,1,2,2-Tetrachloroethane

Concen: 9.959 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

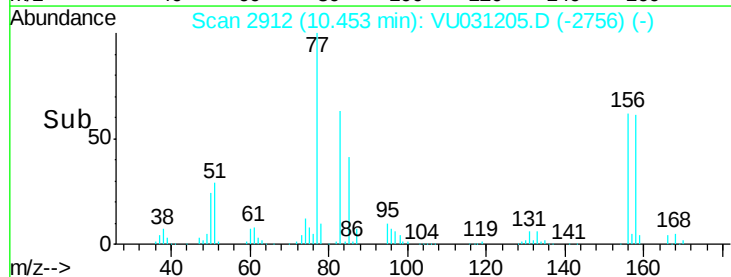
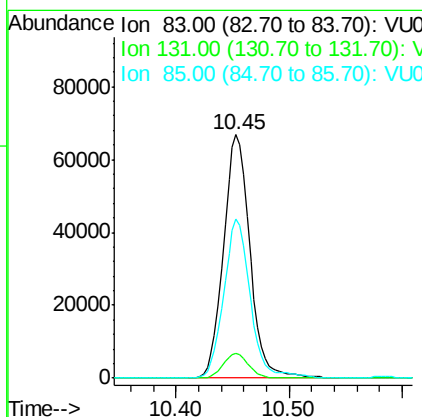
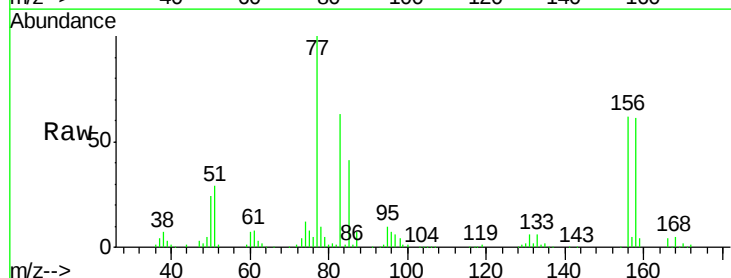
Tgt Ion: 83 Resp: 108919

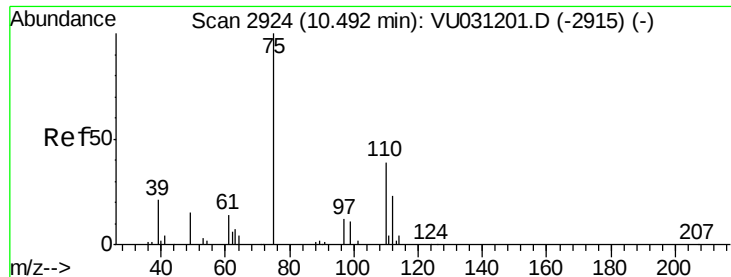
Ion Ratio Lower Upper

83 100

131 9.7 8.0 12.0

85 65.5 51.3 76.9





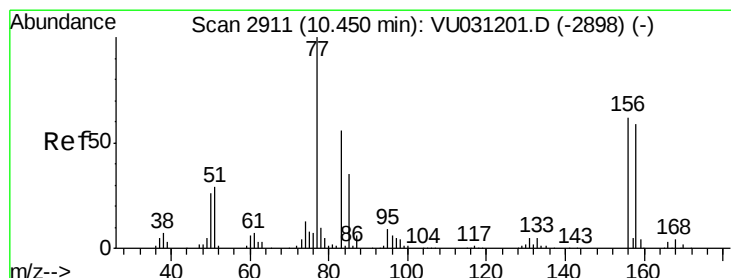
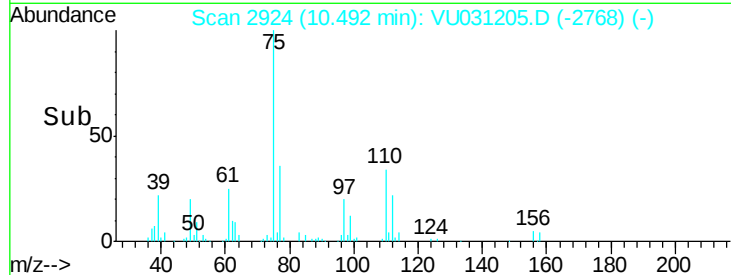
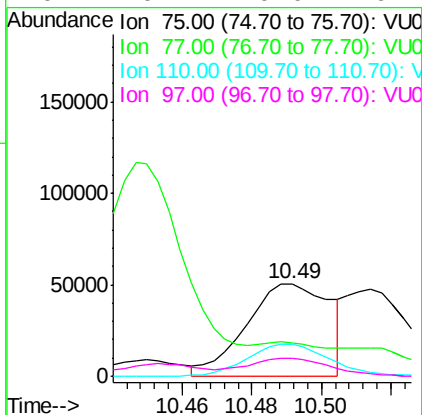
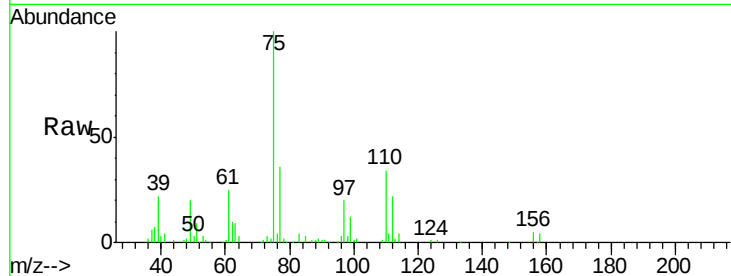
#71
 1,2,3-Trichloropropane
 Concen: 10.687 ug/l m
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion:	75	Resp:	84509
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	34.3	0.0	71.0
97	19.7	0.0	40.4

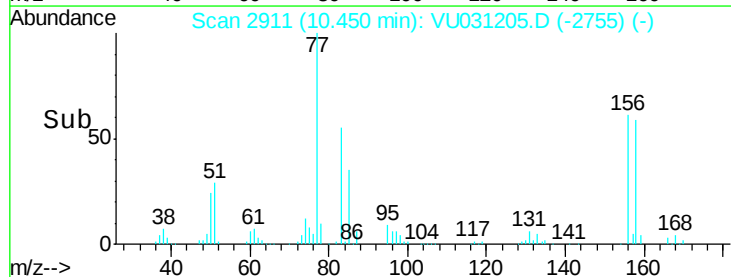
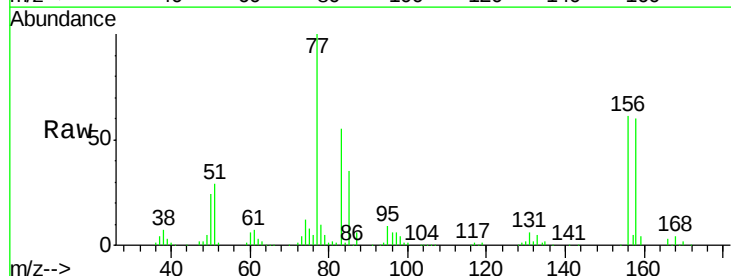
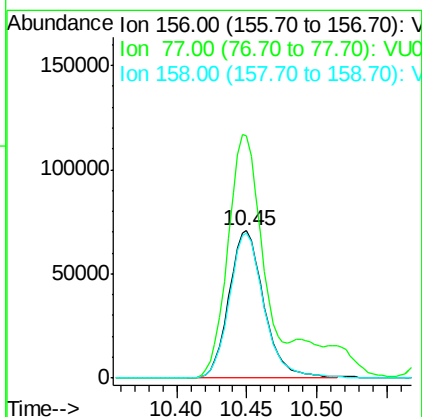
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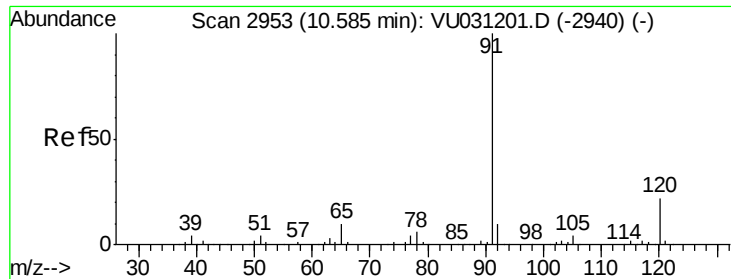
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#72
 Bromobenzene
 Concen: 11.211 ug/l
 RT: 10.45 min Scan# 2911
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Tgt Ion:	156	Resp:	122928
Ion	Ratio	Lower	Upper
156	100		
77	162.4	0.0	322.6
158	97.7	0.0	191.0





#73

n-propylbenzene

Concen: 12.451 ug/l

RT: 10.58 min Scan# 2952

Delta R.T. -0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:120 Resp: 137787

Ion Ratio Lower Upper

120 100

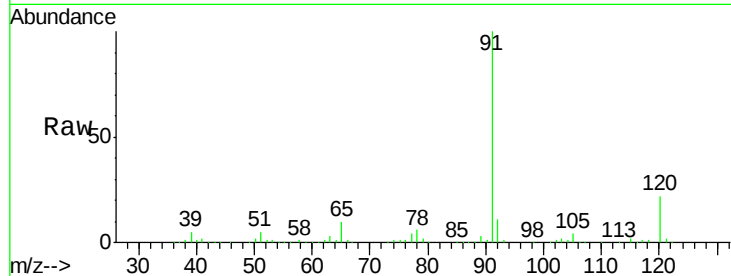
91 453.4 364.9 547.3

Manual Integrations

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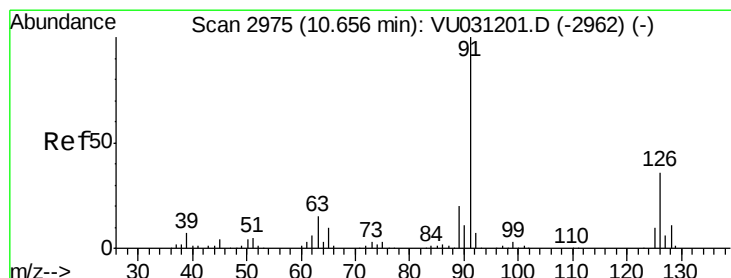
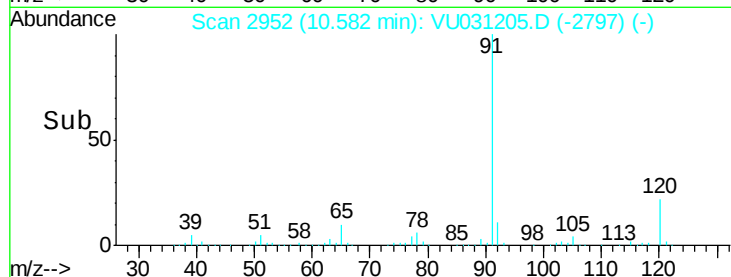
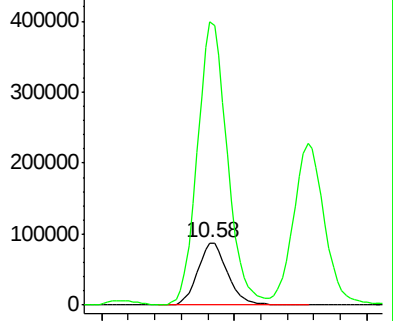
MMDadoda

4/17/2019 9:15:12 AM



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 11.742 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU031205.D

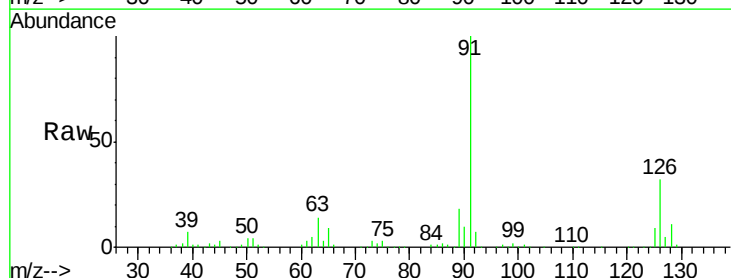
Acq: 16 Apr 2019 09:54

Tgt Ion:126 Resp: 119823

Ion Ratio Lower Upper

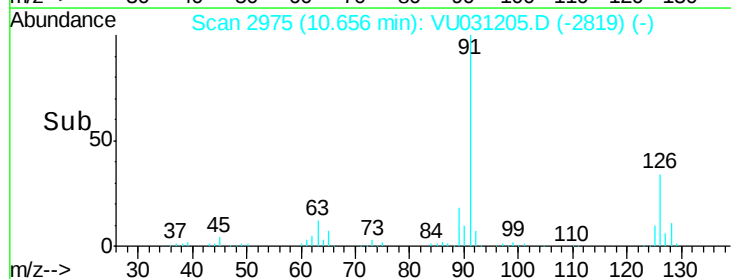
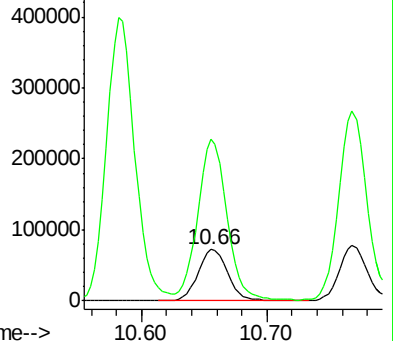
126 100

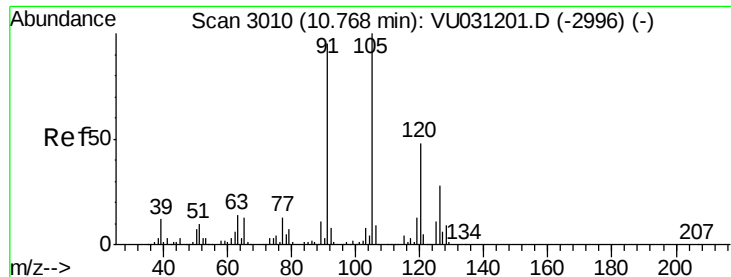
91 307.7 0.0 612.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 12.223 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 428730

Ion Ratio Lower Upper

105 100

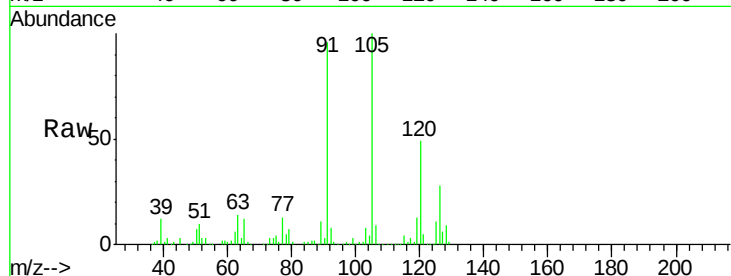
120 48.8 38.7 58.1

Manual Integrations

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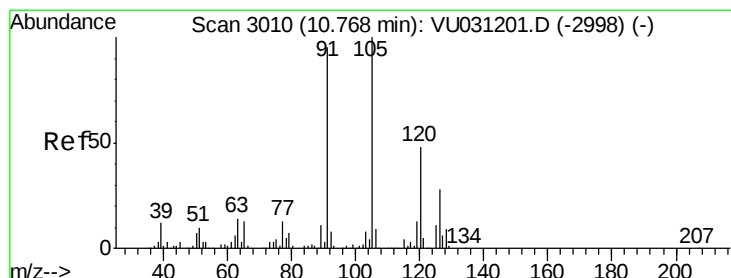
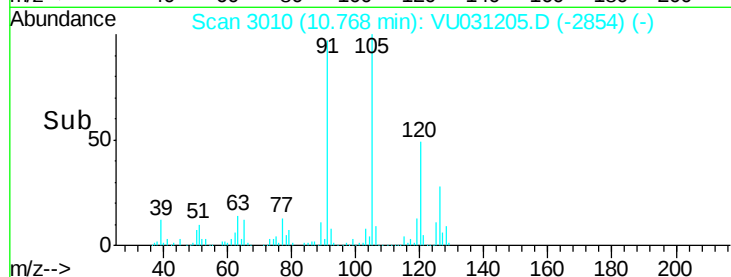
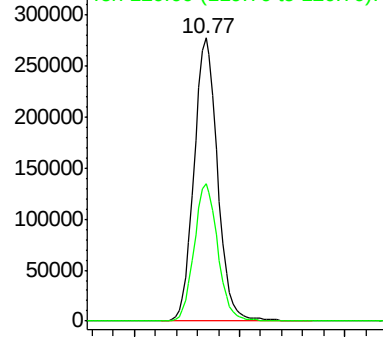
MMDadoda

4/17/2019 9:15:12 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 12.086 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031205.D

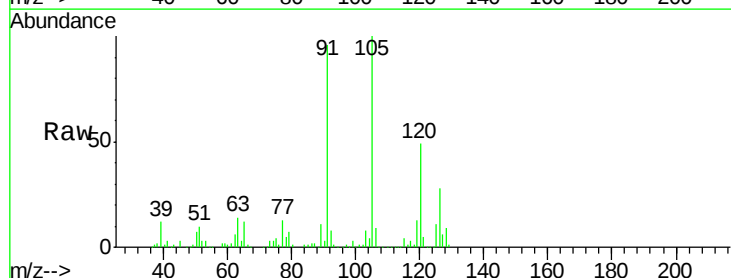
Acq: 16 Apr 2019 09:54

Tgt Ion:126 Resp: 124253

Ion Ratio Lower Upper

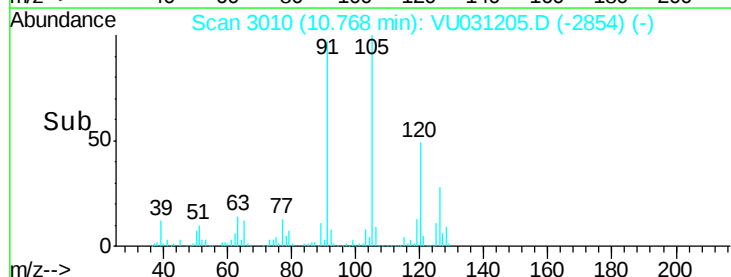
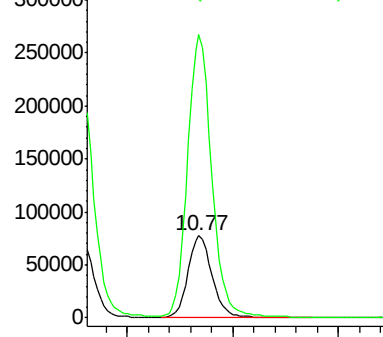
126 100

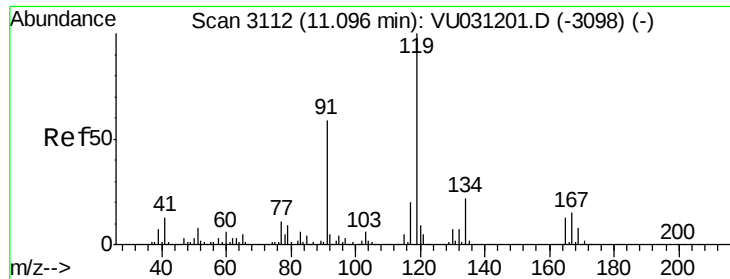
91 341.9 0.0 683.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





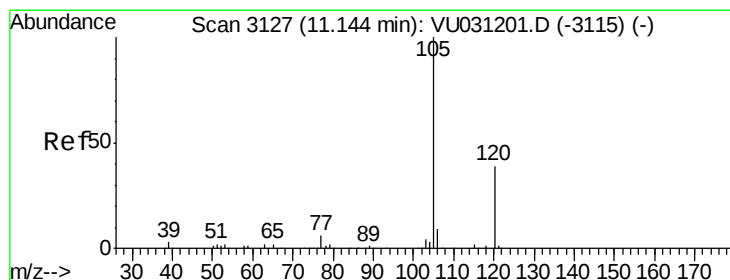
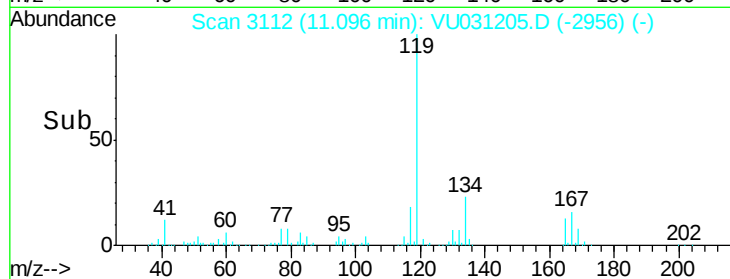
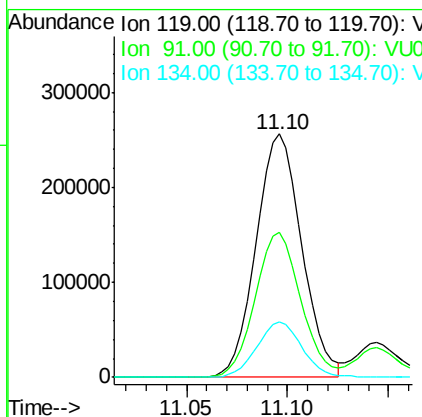
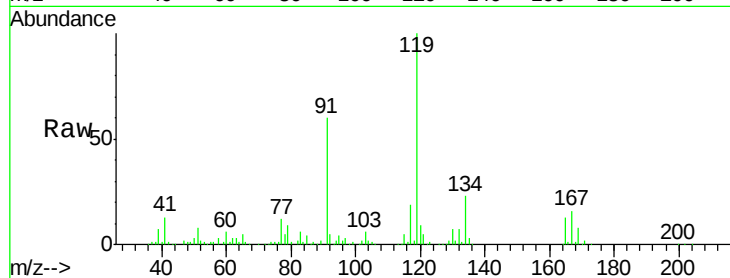
#77
 tert-Butylbenzene
 Concen: 11.818 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.4	88.3
134	22.7	17.9	26.9

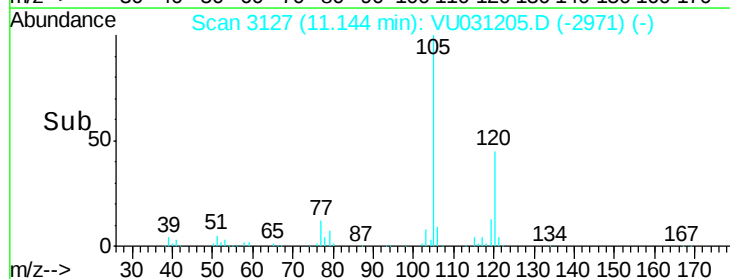
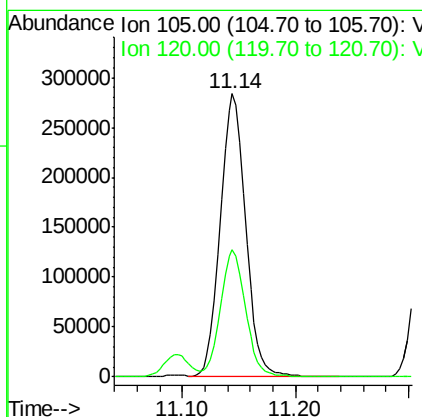
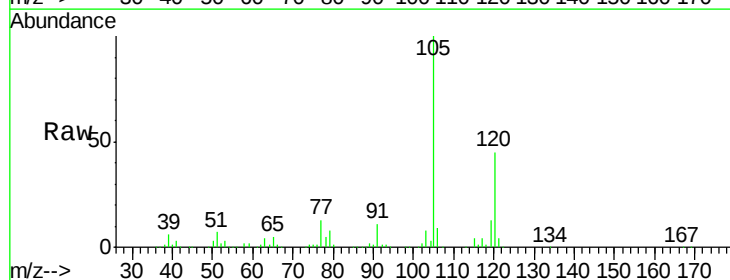
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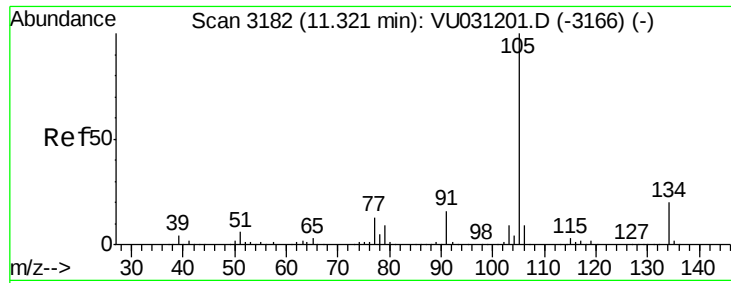
MMDadoda
 4/17/2019 9:15:12 AM



#78
 1,2,4-Trimethylbenzene
 Concen: 12.531 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.0





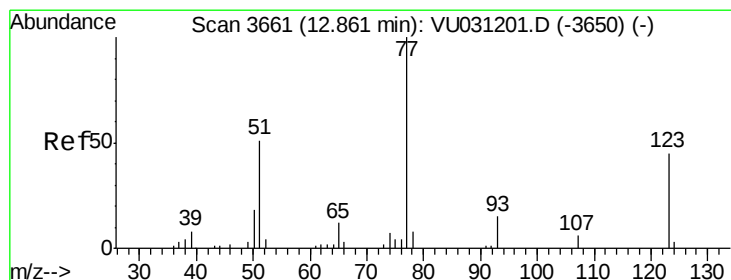
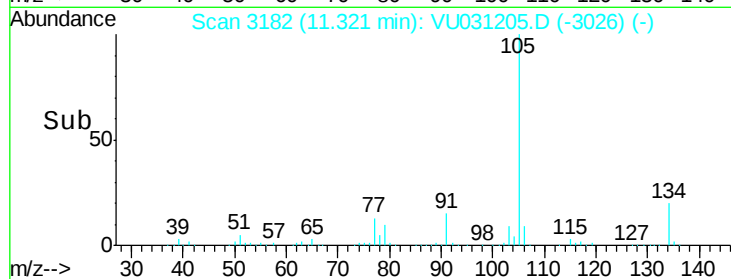
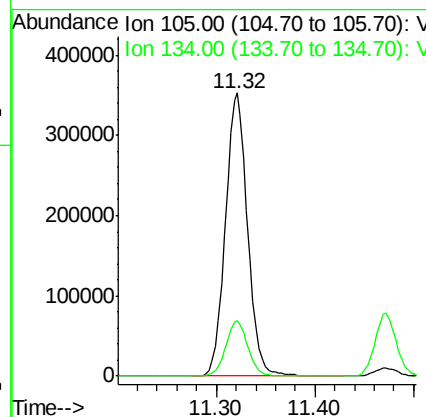
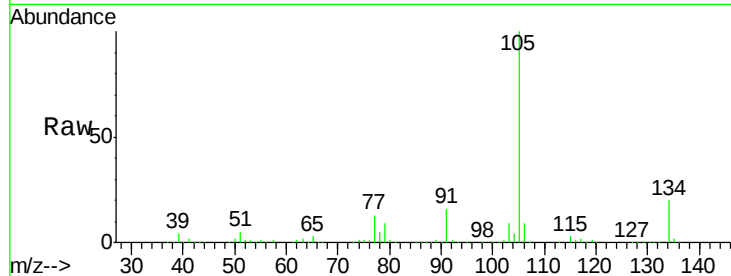
#79
 sec-Butylbenzene
 Concen: 12.003 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion: 105 Resp: 554178
 Ion Ratio Lower Upper
 105 100
 134 19.6 15.5 23.3

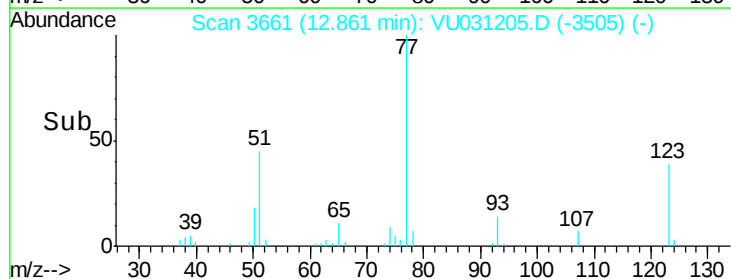
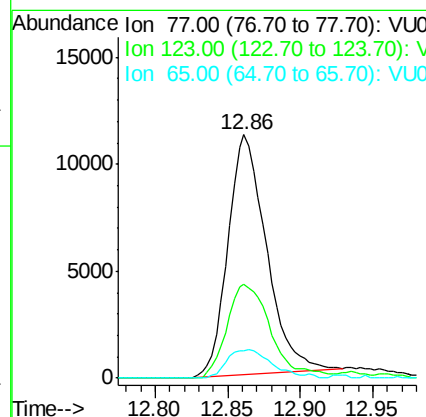
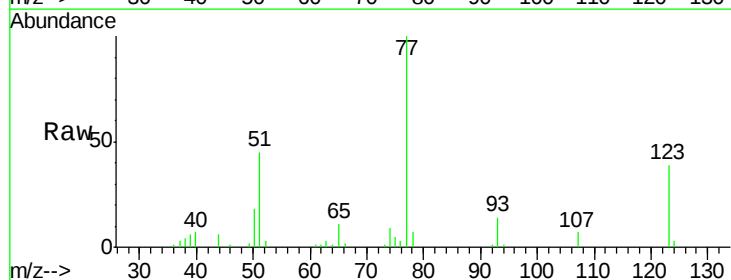
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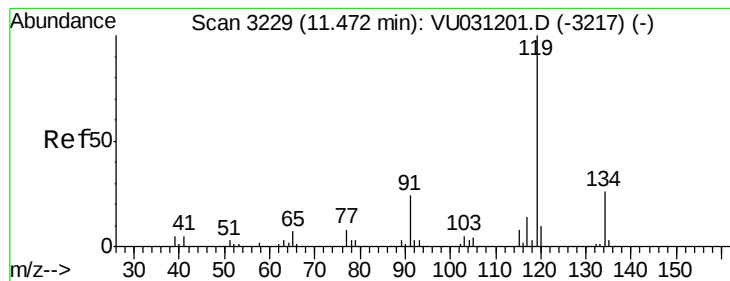
MMDadoda
 4/17/2019 9:15:12 AM



#80
 Nitrobenzene
 Concen: 49.702 ug/l
 RT: 12.86 min Scan# 3661
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Tgt Ion: 77 Resp: 20788
 Ion Ratio Lower Upper
 77 100
 123 42.0 17.1 60.7
 65 13.8 9.4 12.0#





#81

p-Isopropyltoluene

Concen: 12.349 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. 0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

Instrument :

MSVOA_U

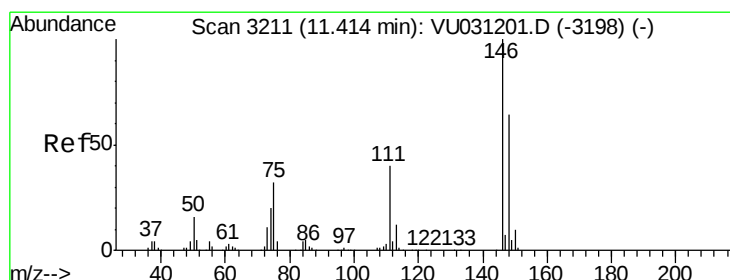
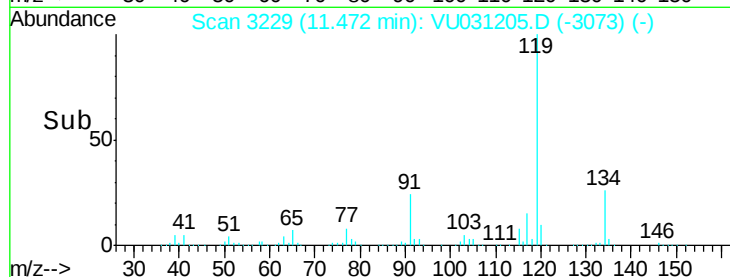
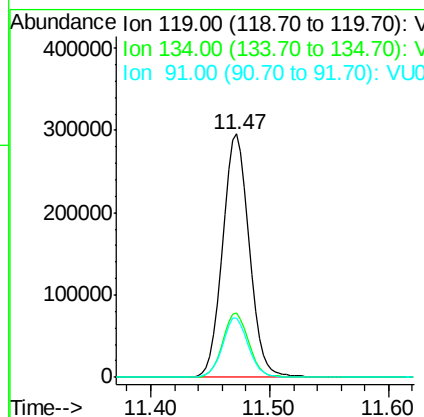
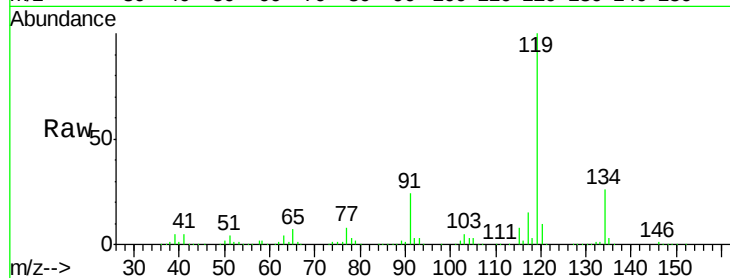
ClientSampleId :

VSTDCCC010

Tot Ion:	119	Resp:	457967
Ion Ratio	Lower	Upper	
119	100		
134	26.0	21.0	31.4
91	23.9	19.4	29.2

Manual Integrations
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#82

1,3-Dichlorobenzene

Concen: 11.024 ug/l

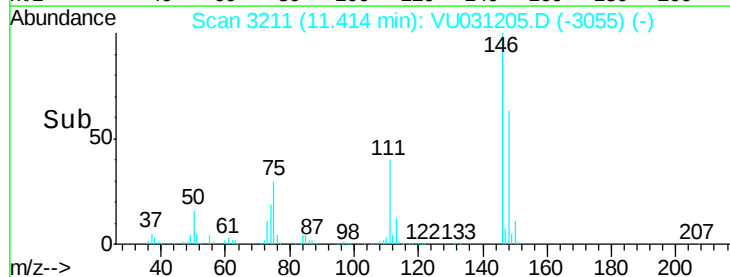
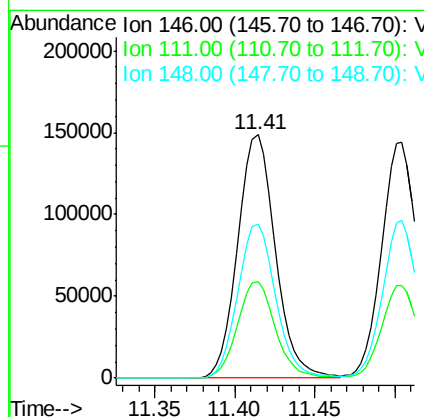
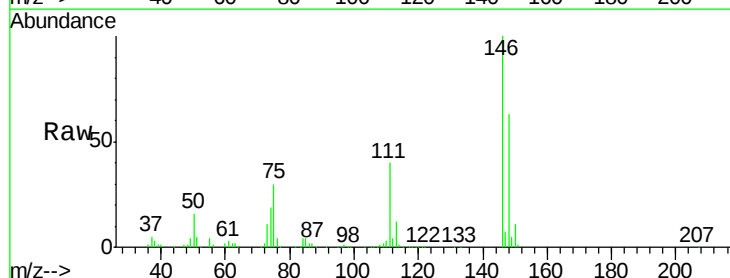
RT: 11.41 min Scan# 3211

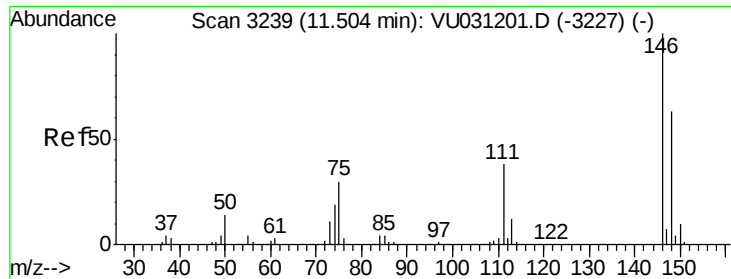
Delta R.T. 0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

Tgt Ion:	146	Resp:	238752
Ion Ratio	Lower	Upper	
146	100		
111	39.8	32.4	48.6
148	63.7	50.8	76.2





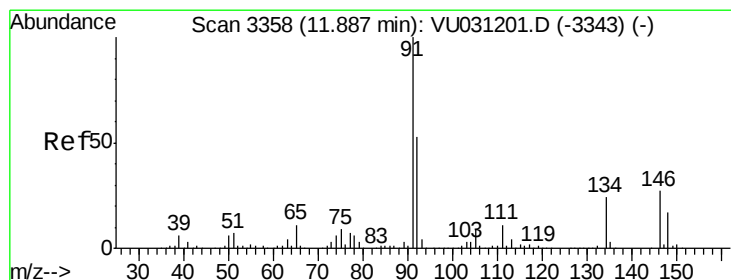
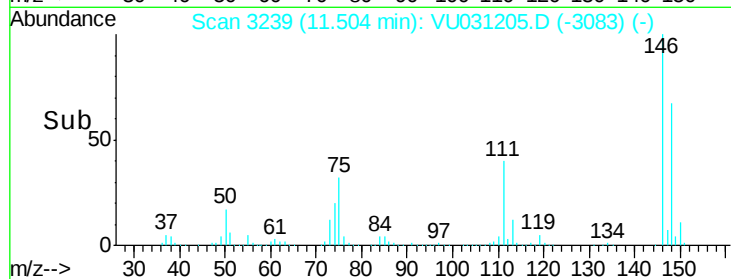
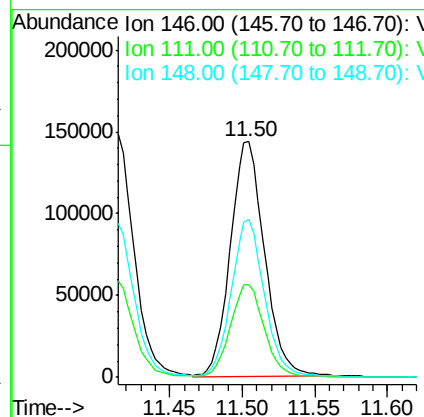
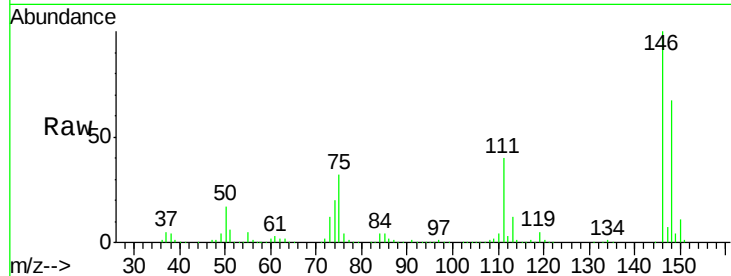
#83
 1,4-Dichlorobenzene
 Concen: 11.175 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	30.6	46.0
148	65.1	51.1	76.7

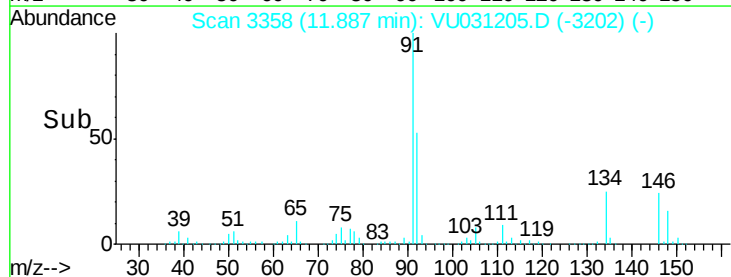
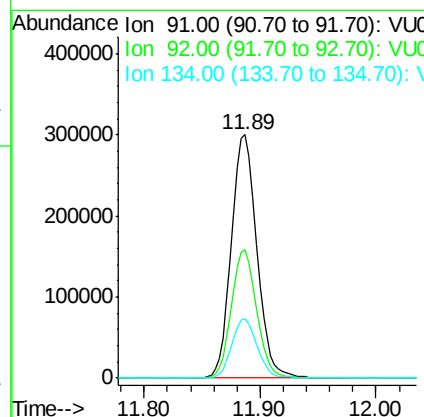
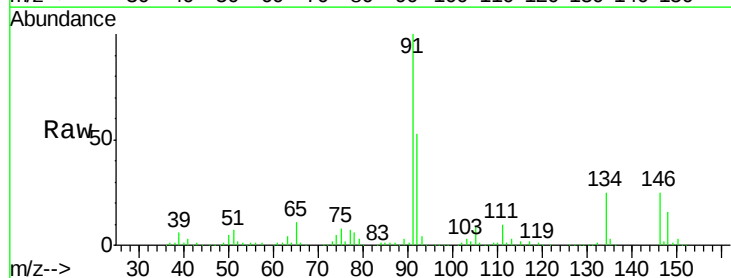
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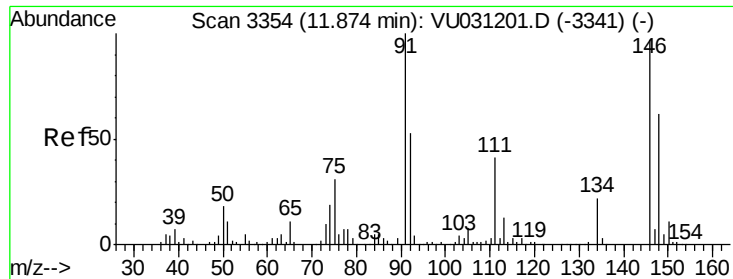
MMDadoda
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#84
 n-Butylbenzene
 Concen: 12.690 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	42.6	63.8
134	24.4	19.1	28.7





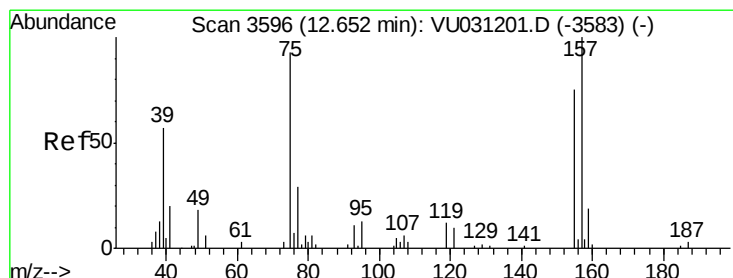
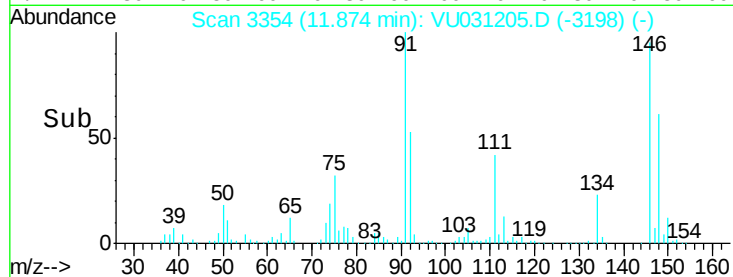
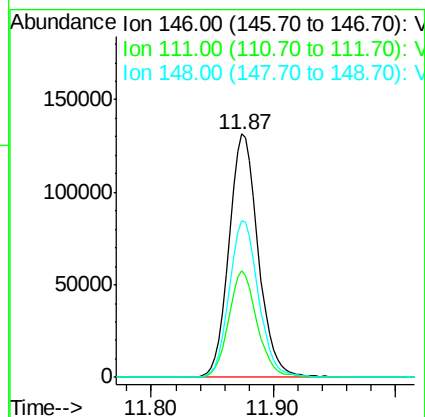
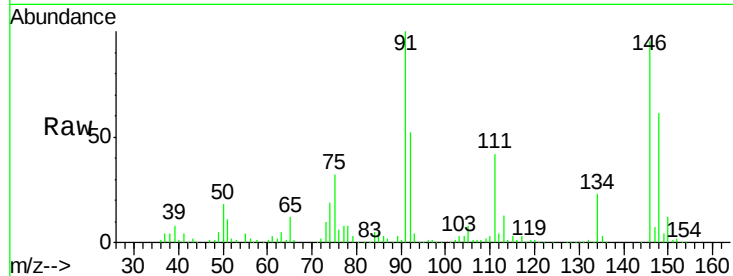
#85
 1,2-Dichlorobenzene
 Concen: 10.870 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.8	62.5
148	64.7	31.4	94.3

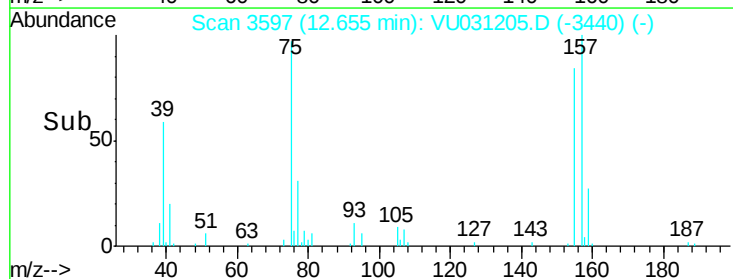
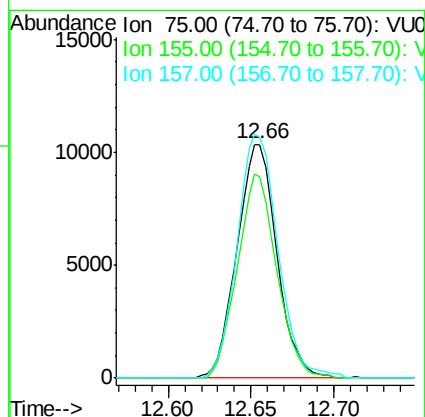
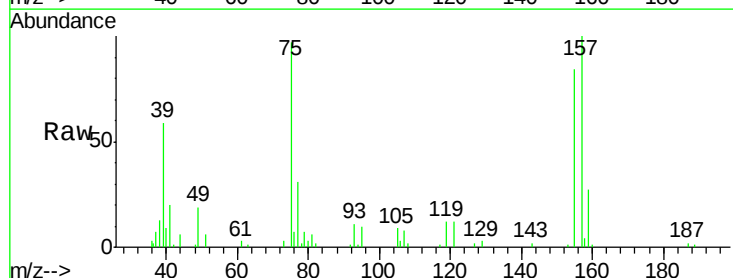
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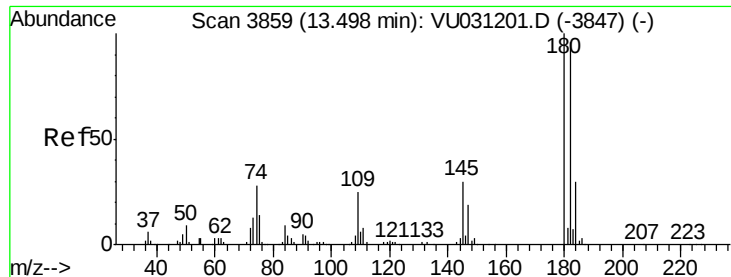
MMDadoda
 4/17/2019 9:15:12 AM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 10.995 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.8	61.7	92.5
157	107.0	81.3	121.9





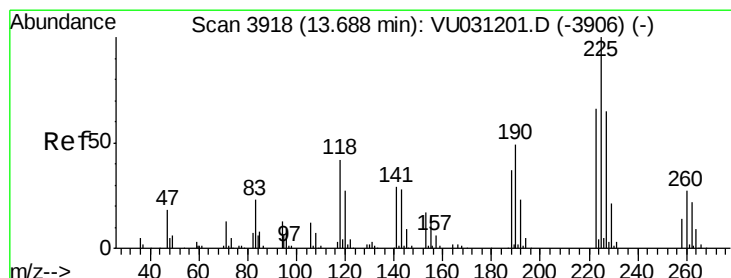
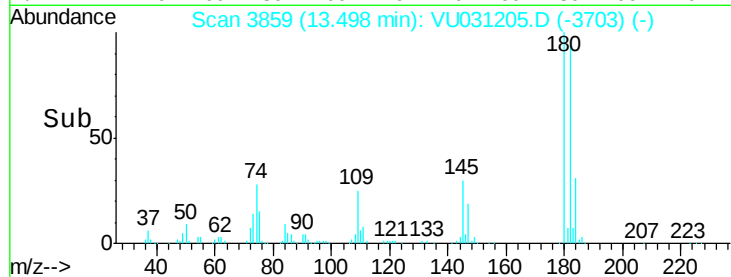
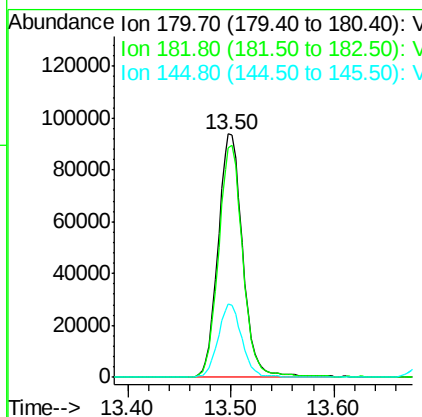
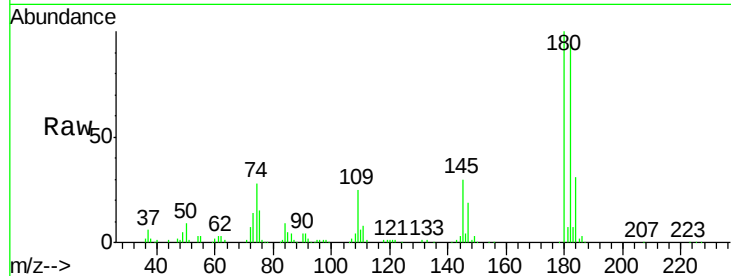
#87
 1,2,4-Trichlorobenzene
 Concen: 12.533 ug/l
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	155555		
182	94.3	75.0	112.6	
145	29.2	23.4	35.2	

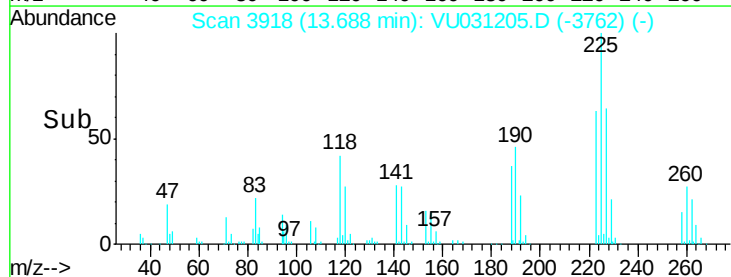
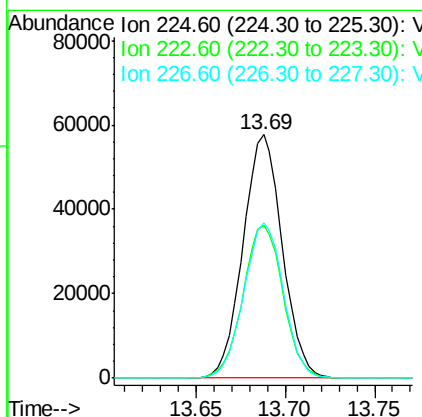
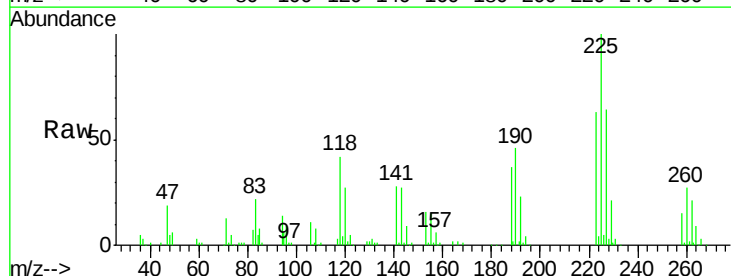
Manual Integrations
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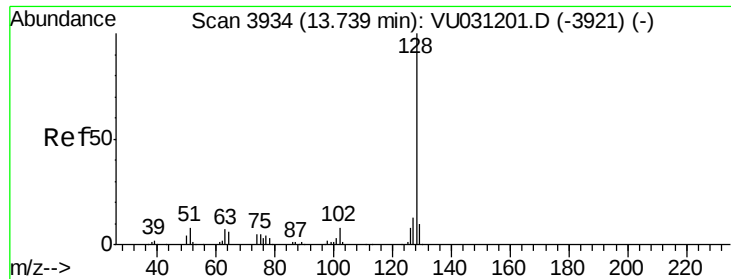
MMDadoda
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#88
 Hexachlorobutadiene
 Concen: 10.679 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU031205.D
 Acq: 16 Apr 2019 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	88539		
223	64.2	51.4	77.2	
227	64.4	51.2	76.8	





#89

Naphthalene

Concen: 9.918 ug/l

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

Instrument :

MSVOA_U

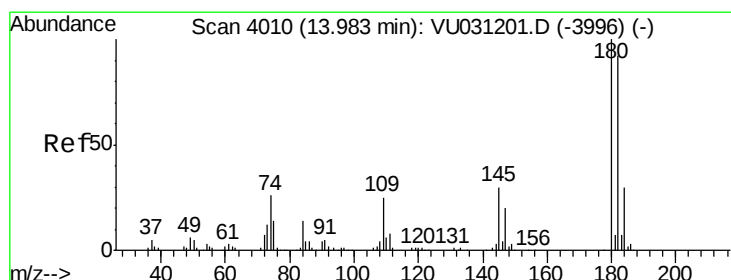
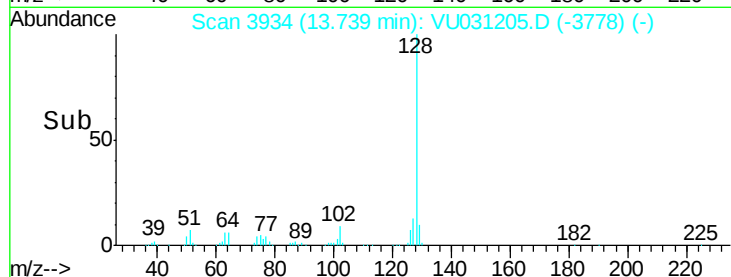
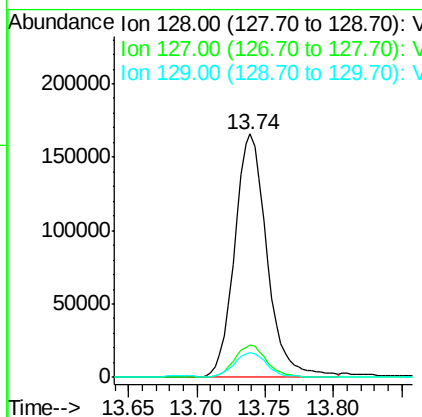
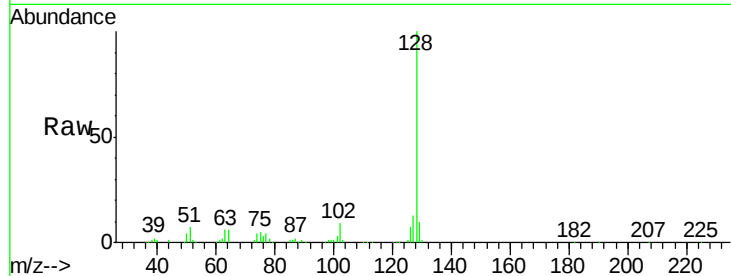
ClientSampleId :

VSTDCCC010

Tot Ion:	128	Resp:	273742
Ion Ratio	Lower	Upper	
128	100		
127	13.3	11.0	16.4
129	10.2	8.3	12.5

Manual Integrations
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#90

1,2,3-Trichlorobenzene

Concen: 12.106 ug/l

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031205.D

Acq: 16 Apr 2019 09:54

Tgt Ion:	180	Resp:	150437
Ion Ratio	Lower	Upper	
180	100		
182	94.2	76.4	114.6
145	30.5	25.3	37.9

