

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041519\
 Data File : VU031200.D
 Acq On : 15 Apr 2019 21:54
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 3:23:22 PM

Quant Time: Apr 16 04:33:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U041519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Apr 16 04:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	35513	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	13258	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	12797	1.06	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	75848	5.266	ug/l	99
3) Chloromethane	1.32	50	79914	4.695	ug/l	98
4) Vinyl Chloride	1.40	62	76548	4.713	ug/l	100
5) Bromomethane	1.63	94	46633	5.811	ug/l	99
6) Chloroethane	1.70	64	51512	5.452	ug/l	97
7) Trichlorofluoromethane	1.89	101	114040	5.888	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	58815	6.031	ug/l	97
9) 1,1-Dichloroethene	2.29	96	56113	5.807	ug/l	97
10) Iodomethane	2.41	142	81006	6.440	ug/l	99
11) Allyl Chloride	2.59	41	108499	5.248	ug/l	97
12) Acrylonitrile	2.94	53	32868	10.460	ug/l	98
13) Acetone	2.33	43	70267	24.378	ug/l	97
14) Carbon Disulfide	2.48	76	204933	5.772	ug/l	100
15) Methylene Chloride	2.70	84	65971	5.005	ug/l	96
16) trans-1,2-Dichloroethene	2.98	96	62019	5.673	ug/l	97
17) 1,1-Dichloroethane	3.44	63	101405	4.739	ug/l	99
18) 2-Butanone	4.28	43	82203	22.377	ug/l	100
19) Cyclohexane	4.99	56	75214	4.358	ug/l	96
20) Methylcyclohexane	6.41	83	74029	4.943	ug/l	99
21) 2,2-Dichloropropane	4.22	77	79358	4.801	ug/l	99
22) cis-1,2-Dichloroethene	4.22	96	58645	5.313	ug/l	99
23) Diethyl Ether	2.10	59	52648	5.414	ug/l	100
24) tert-Butyl Alcohol	2.87	59	56252m	49.515	ug/l	
25) Methyl tert-Butyl Ether	3.00	73	162762	5.387	ug/l	99
26) Bromochloromethane	4.54	128	26312	5.504	ug/l	98
27) Chloroform	4.67	83	99820	4.926	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	84538	5.067	ug/l	99
29) 1,1-Dichloropropene	5.13	75	72888	4.988	ug/l	99
30) Carbon Tetrachloride	5.13	117	75048	5.151	ug/l	96
31) Isopropyl Ether	3.57	45	146297	4.209	ug/l	99
32) Ethyl-t-butyl ether	4.07	59	124070	4.392	ug/l	99
33) Tert-Amyl methyl ether	5.58	73	111561	4.696	ug/l	99
34) Propionitrile	4.34	54	24003	26.287	ug/l #	96
35) Benzene	5.39	78	216686	4.995	ug/l	99
36) 1,2-Dichloroethane	5.40	62	67853	4.917	ug/l	98
37) Trichloroethene	6.18	130	56540	5.355	ug/l	99
38) 1,2-Dichloropropane	6.43	63	57658	4.660	ug/l	99
39) Methacrylonitrile	4.55	41	19864	4.399	ug/l	98
40) Methyl acrylate	4.43	55	26781	4.827	ug/l #	94
41) Tetrahydrofuran	4.65	42	21219	8.732	ug/l	97
42) 1-Chlorobutane	5.06	56	108420	4.884	ug/l	100

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 VSTDIC005

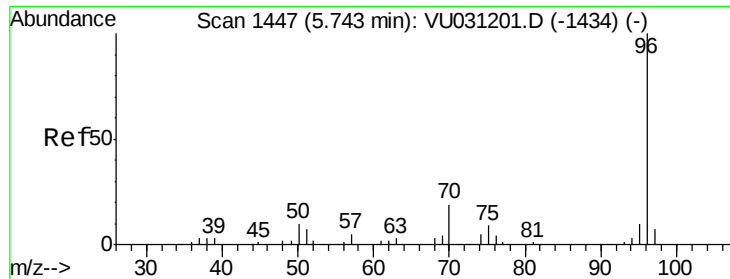
Manual Integrations
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 4/16/2019 3:23:22 PM

Quant Time: Apr 16 04:33:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U041519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Apr 16 04:10:13 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	30602	5.273	ug/l	99
44) Bromodichloromethane	6.75	83	74147	4.891	ug/l	97
45) 4-Methyl-2-Pentanone	7.46	43	192879	23.366	ug/l	98
46) t-1,4-Dichloro-2-butene	10.51	75	28053m	9.872	ug/l	
47) Methyl methacrylate	6.62	69	56005	10.587	ug/l	99
48) Ethyl methacrylate	8.02	69	48710	4.916	ug/l	91
49) Toluene	7.63	92	125150	5.287	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	64964	4.998	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	77531	4.964	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	41912	5.062	ug/l	97
53) 1,3-Dichloropropane	8.24	76	73118	5.045	ug/l	99
54) 2-Hexanone	8.36	43	132638	24.222	ug/l	95
55) Dibromochloromethane	8.47	129	49378	5.249	ug/l	99
56) 1,2-Dibromoethane	8.58	107	38712	5.181	ug/l	97
58) Tetrachloroethene	8.22	164	50748	5.408	ug/l	97
59) Chlorobenzene	9.12	112	134863	5.210	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.20	131	50695	5.190	ug/l	96
61) Pentachloroethane	11.10	117	37939	5.069	ug/l	95
62) Hexachloroethane	12.14	117	36656	5.154	ug/l	98
63) Ethyl Benzene	9.25	91	220886	5.153	ug/l	98
64) m/p-Xylenes	9.37	106	176018	11.231	ug/l	98
65) o-Xylene	9.77	106	83254	5.466	ug/l	98
66) Styrene	9.79	104	145454	5.531	ug/l	99
67) Bromoform	9.95	173	28441	5.260	ug/l	98
69) Isopropylbenzene	10.16	105	219580	5.403	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	53961	4.956	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	39543m	4.777	ug/l	
72) Bromobenzene	10.45	156	56281	5.478	ug/l	98
73) n-propylbenzene	10.59	120	59574	5.495	ug/l	99
74) 2-Chlorotoluene	10.66	126	55879	5.648	ug/l	97
75) 1,3,5-Trimethylbenzene	10.77	105	193884	5.632	ug/l	99
76) 4-Chlorotoluene	10.77	126	54968	5.444	ug/l	95
77) tert-Butylbenzene	11.10	119	179796	5.360	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	196174	5.594	ug/l	100
79) sec-Butylbenzene	11.32	105	248675	5.455	ug/l	99
80) Nitrobenzene	12.86	77	8586	26.496	ug/l #	95
81) p-Isopropyltoluene	11.47	119	201089	5.626	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	111619	5.486	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	110292	5.484	ug/l	98
84) n-Butylbenzene	11.89	91	192243	5.351	ug/l	98
85) 1,2-Dichlorobenzene	11.87	146	103319	5.343	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.65	75	8377	4.928	ug/l	98
87) 1,2,4-Trichlorobenzene	13.50	180	65181	5.644	ug/l	98
88) Hexachlorobutadiene	13.69	225	40864	5.895	ug/l	98
89) Naphthalene	13.74	128	112940	5.551	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	63783	5.553	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1447

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Instrument :

MSVOA_U

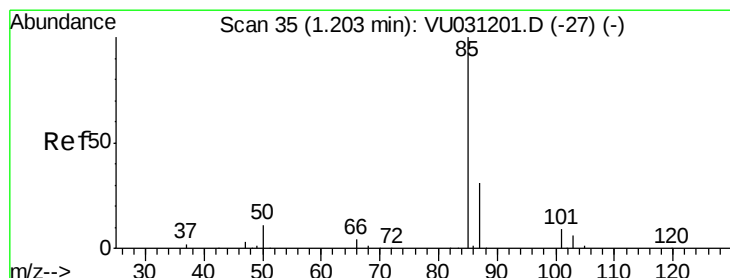
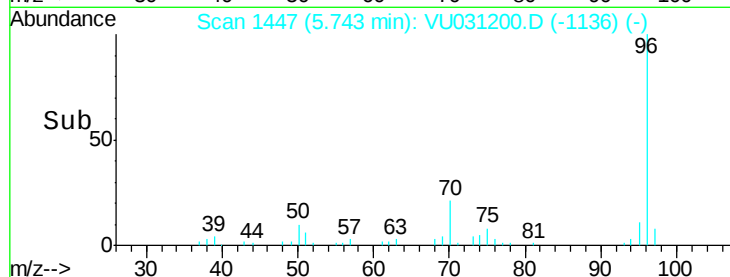
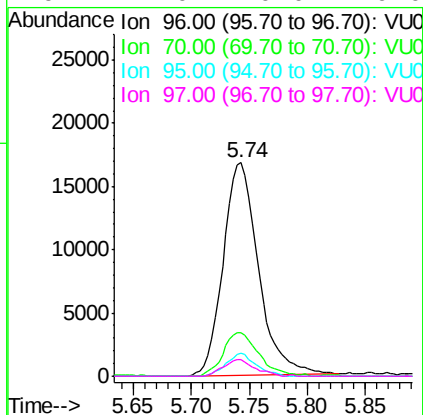
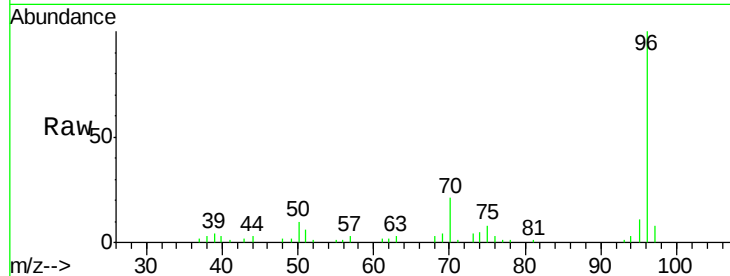
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	35513
Ion	Ratio	Lower	Upper
96	100		
70	20.9	18.4	27.6
95	9.2	7.6	11.4
97	7.0	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 5.266 ug/l

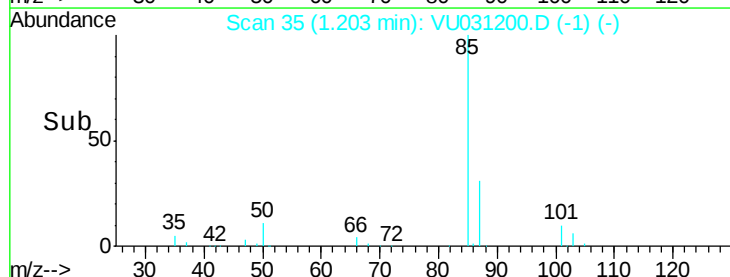
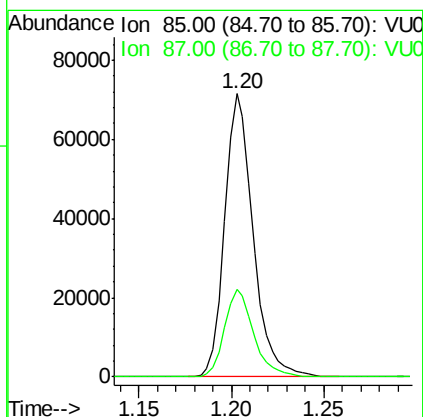
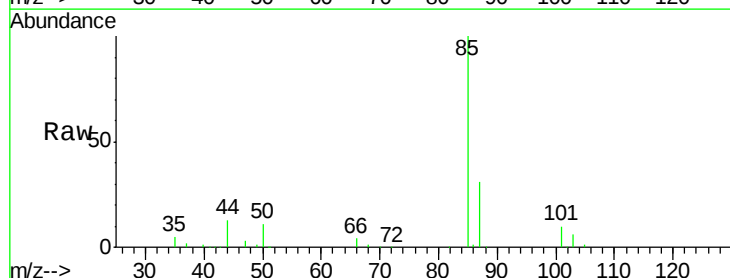
RT: 1.20 min Scan# 35

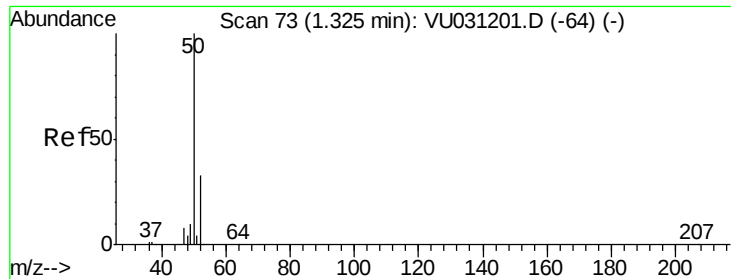
Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Tgt Ion:	85	Resp:	75848
Ion	Ratio	Lower	Upper
85	100		
87	30.7	15.8	47.3





#3

Chloromethane

Concen: 4.695 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 79914

Ion Ratio Lower Upper

50 100

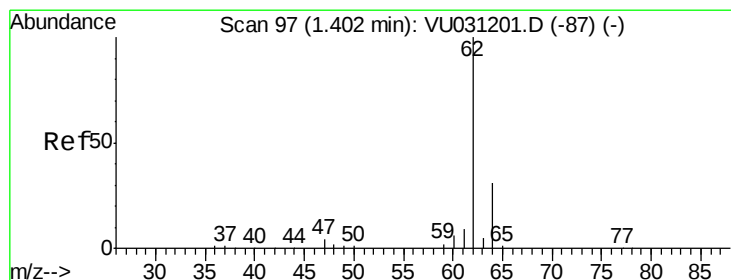
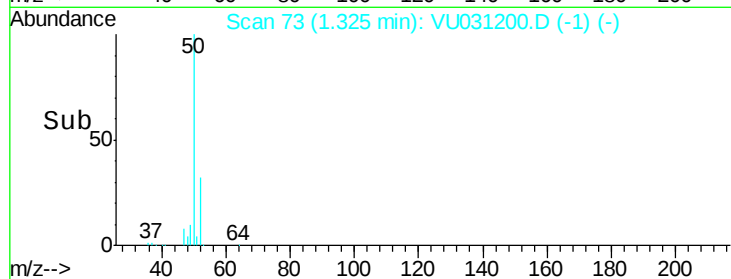
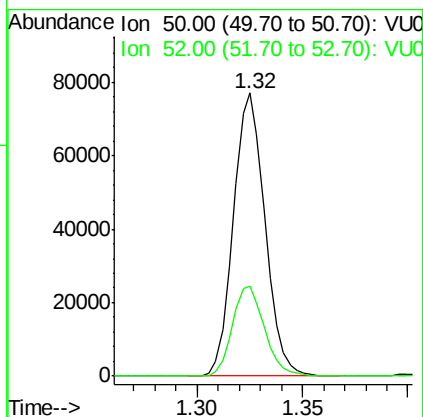
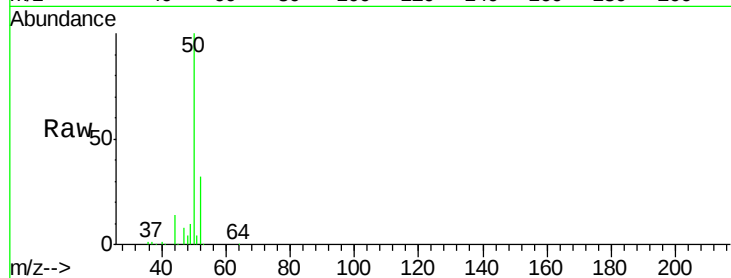
52 31.6 26.2 39.2

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#4

Vinyl Chloride

Concen: 4.713 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031200.D

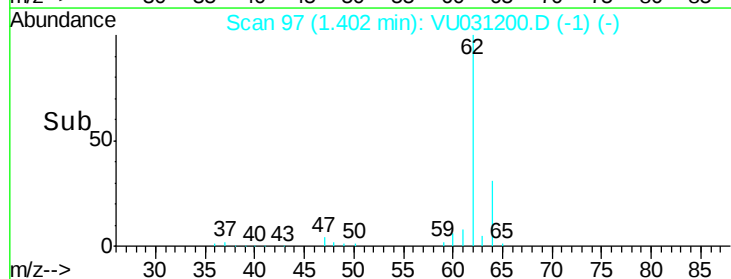
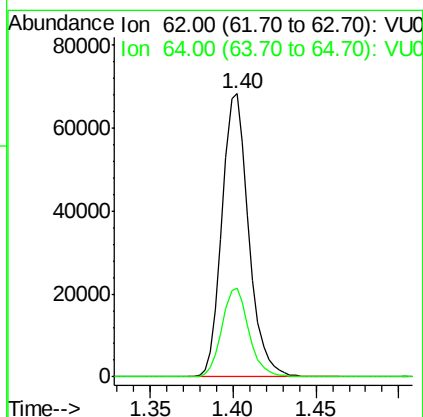
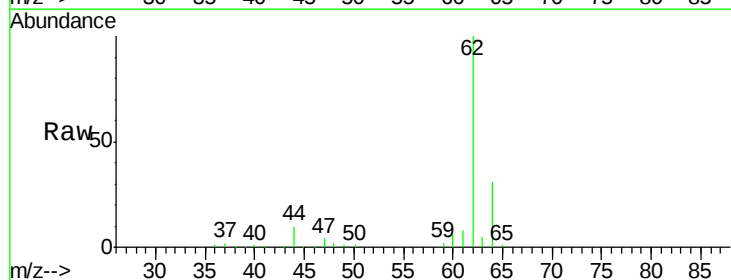
Acq: 15 Apr 2019 21:54

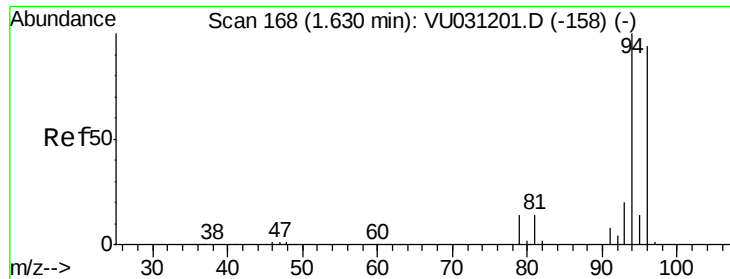
Tgt Ion: 62 Resp: 76548

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.6





#5

Bromomethane

Concen: 5.811 ug/l

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 46633

Ion Ratio Lower Upper

94 100

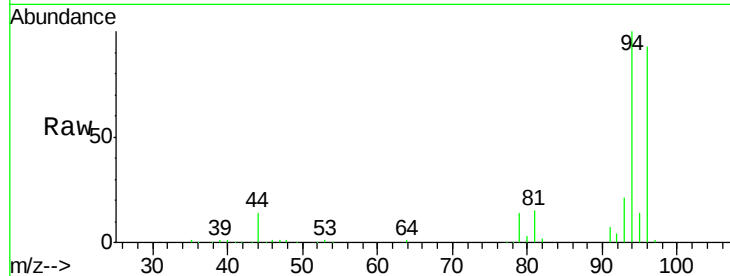
96 92.6 75.0 112.6

Manual Integrations

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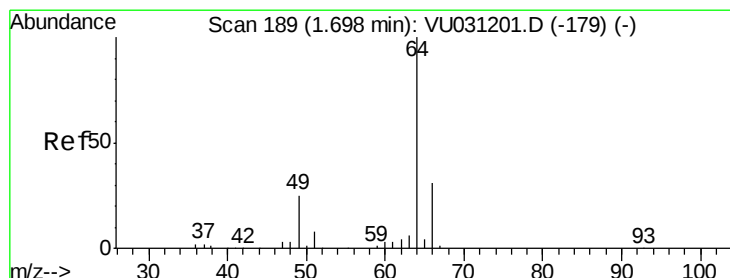
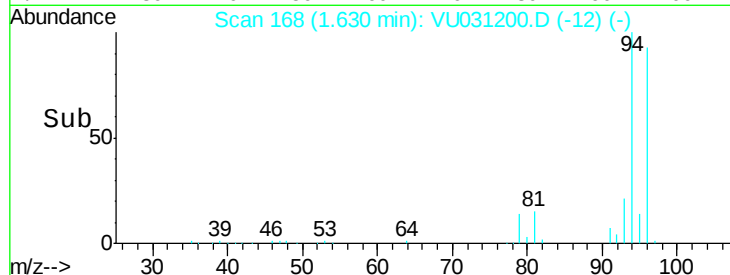
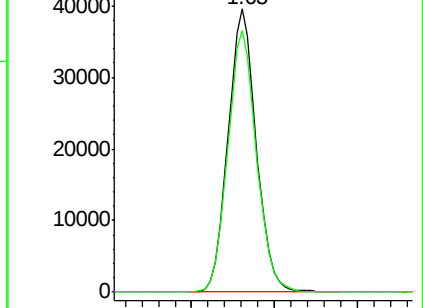
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Abundance Ion 94.00 (93.70 to 94.70): VU031201.D (-158) (-)

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



#6

Chloroethane

Concen: 5.452 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031200.D

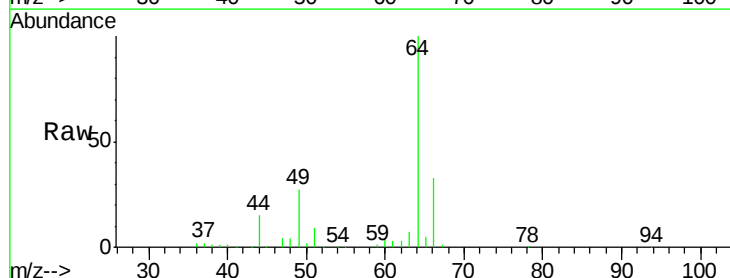
Acq: 15 Apr 2019 21:54

Tgt Ion: 64 Resp: 51512

Ion Ratio Lower Upper

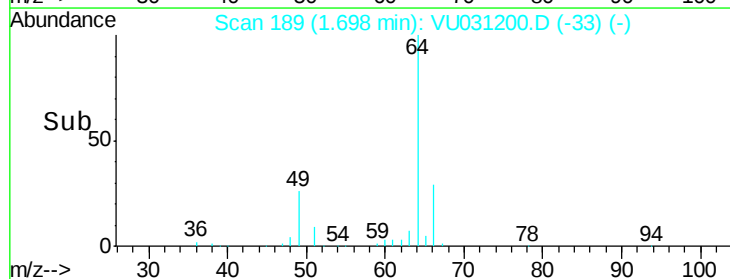
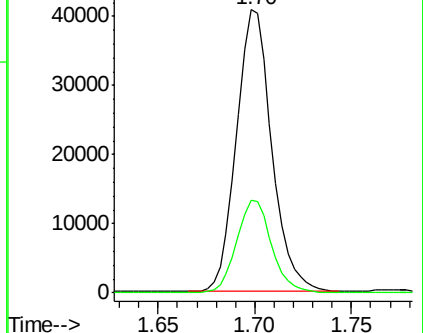
64 100

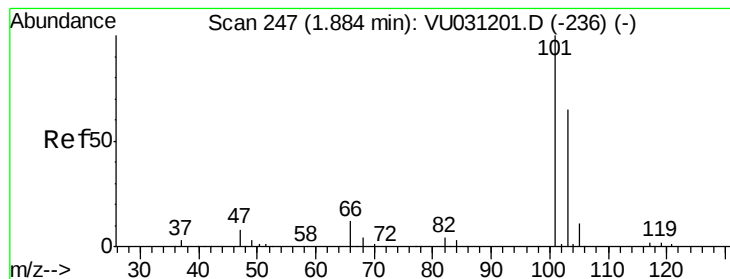
66 32.9 25.1 37.7



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

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





#7

Trichlorofluoromethane

Concen: 5.888 ug/l

RT: 1.89 min Scan# 248

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 114040

Ion Ratio Lower Upper

101 100

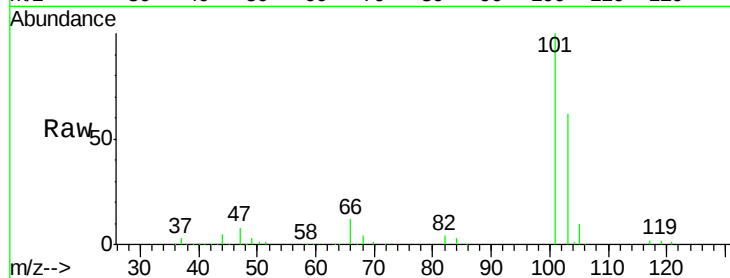
103 62.3 51.8 77.8

Manual Integrations

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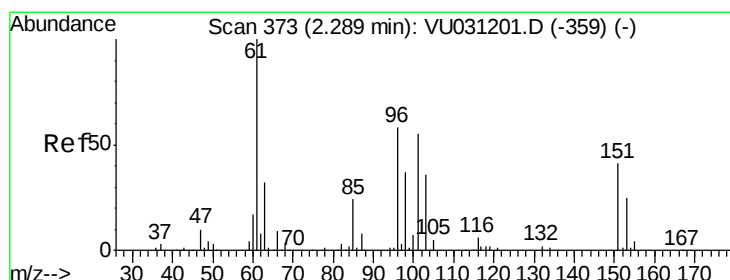
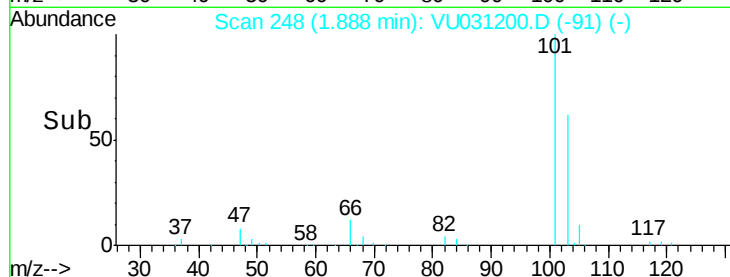
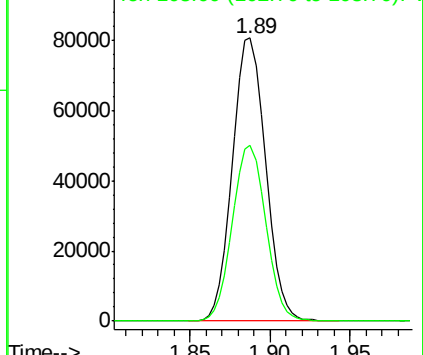
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

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

Concen: 6.031 ug/l

RT: 2.29 min Scan# 373

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

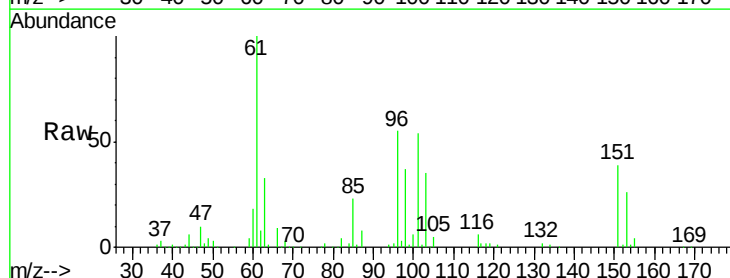
Tgt Ion:101 Resp: 58815

Ion Ratio Lower Upper

101 100

85 42.5 36.1 54.1

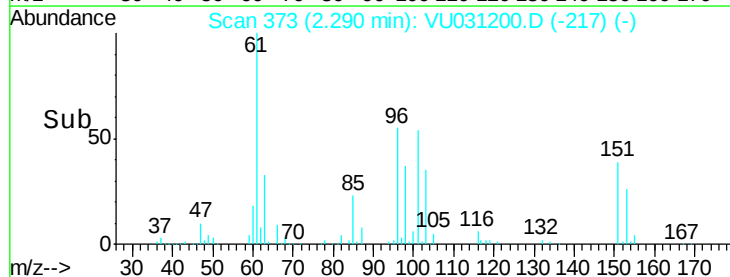
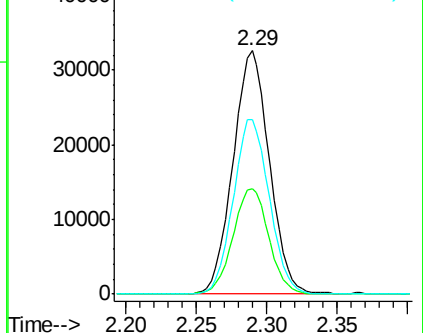
151 71.0 58.2 87.2

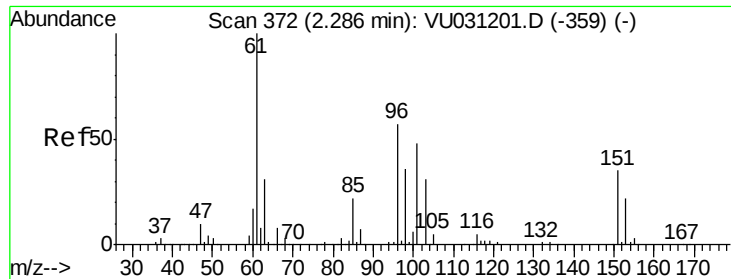


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 5.807 ug/l

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Instrument :

MSVOA_U

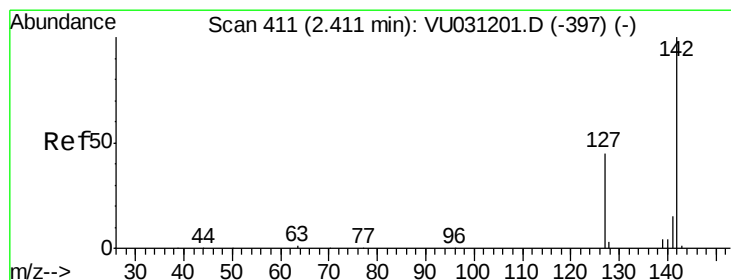
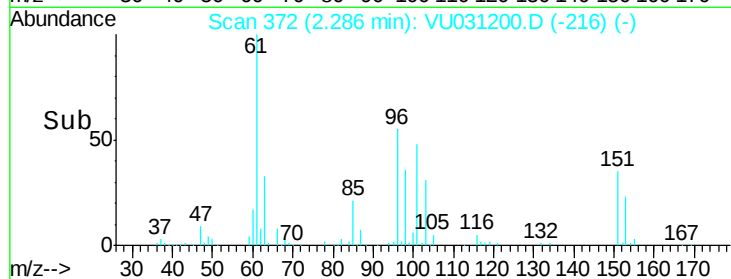
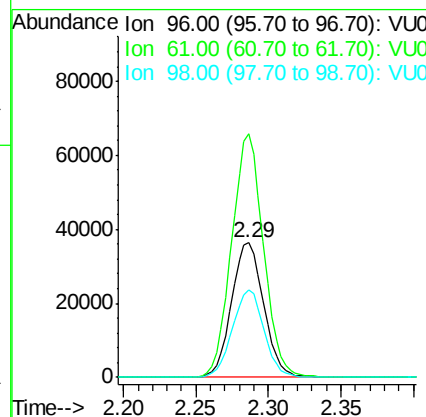
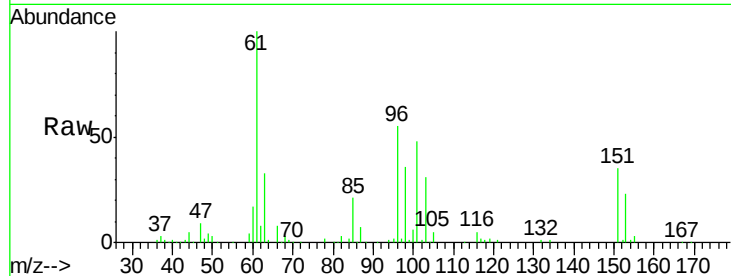
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	56113
Ion Ratio	Lower	Upper	
96	100		
61	181.3	0.0	527.7
98	65.1	0.0	127.6

Manual Integrations
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#10

Iodomethane

Concen: 6.440 ug/l

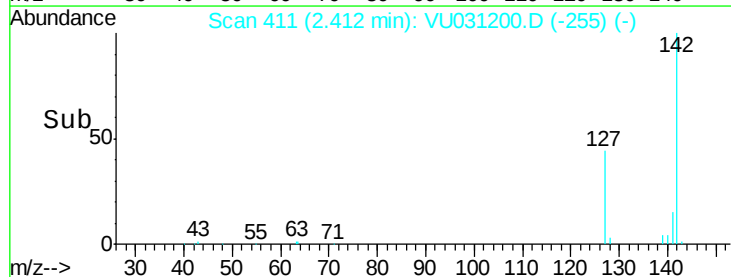
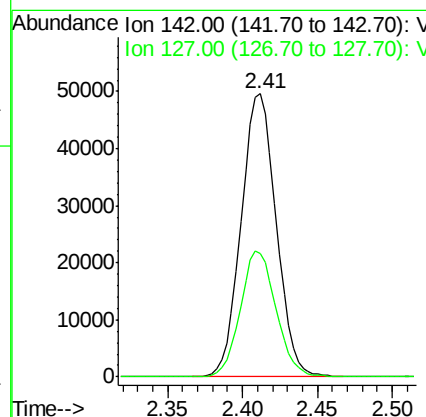
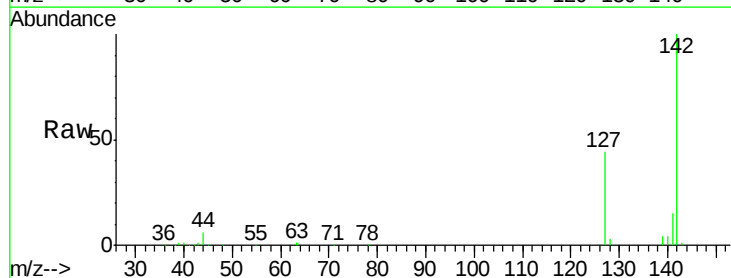
RT: 2.41 min Scan# 411

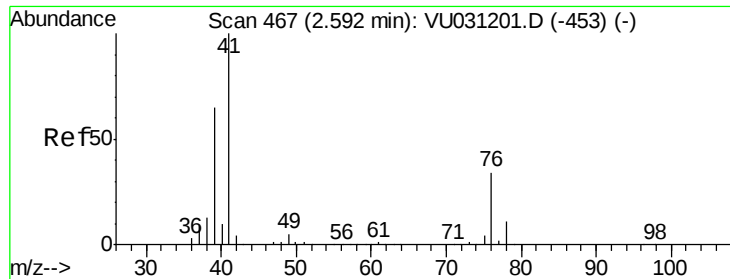
Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Tgt Ion:	142	Resp:	81006
Ion Ratio	Lower	Upper	
142	100		
127	45.3	35.9	53.9





#11

Allvl Chloride

Concen: 5.248 ug/l

RT: 2.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 108499

Ion Ratio Lower Upper

41 100

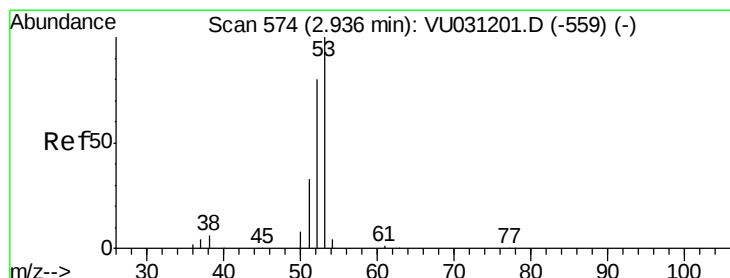
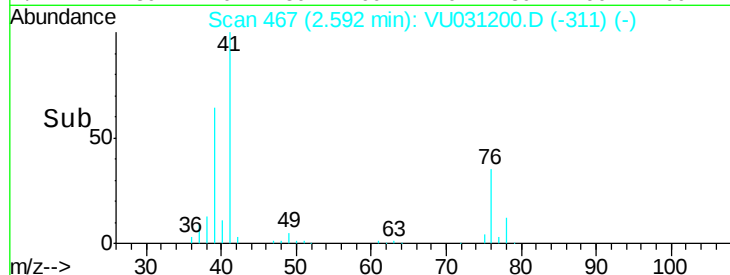
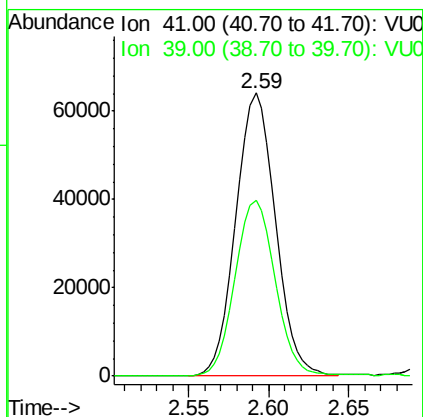
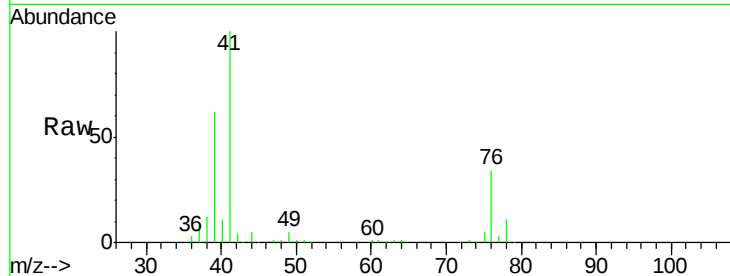
39 62.4 51.9 77.9

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#12

Acrylonitrile

Concen: 10.460 ug/l

RT: 2.94 min Scan# 575

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

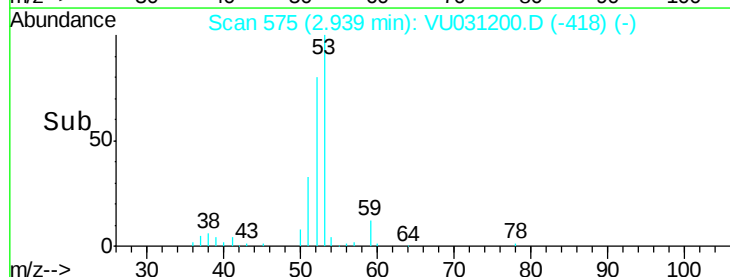
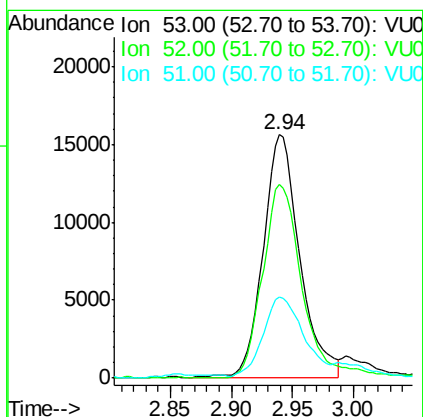
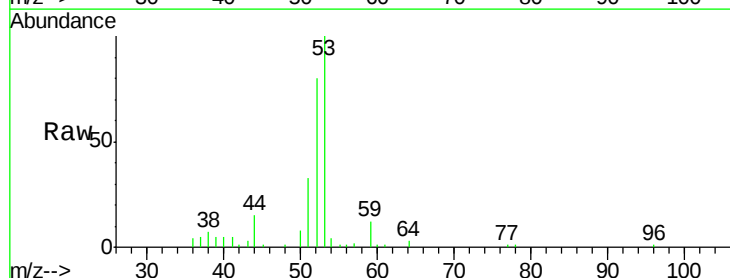
Tgt Ion: 53 Resp: 32868

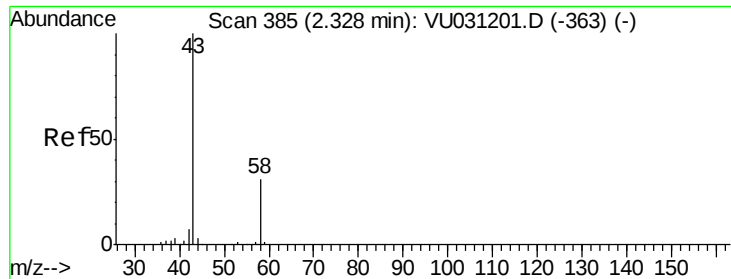
Ion Ratio Lower Upper

53 100

52 86.0 67.8 101.8

51 34.8 26.9 40.3





#13

Acetone

Concen: 24.378 ug/l

RT: 2.33 min Scan# 387

Delta R.T. 0.01 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 70267

Ion Ratio Lower Upper

43 100

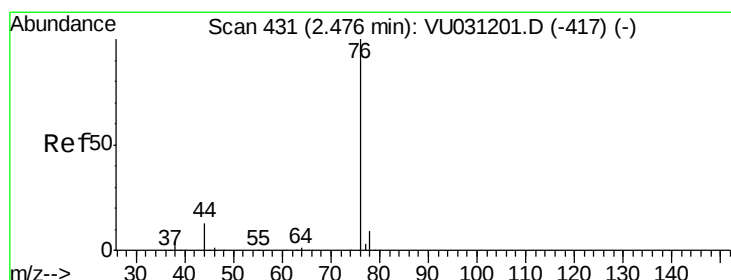
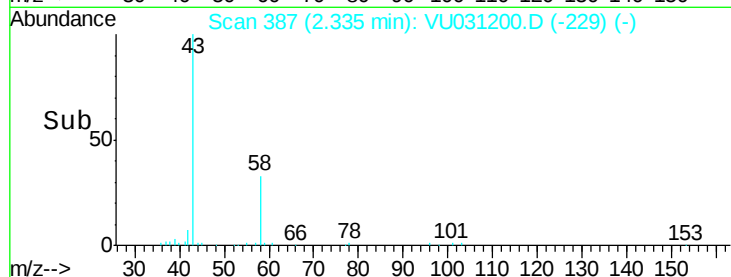
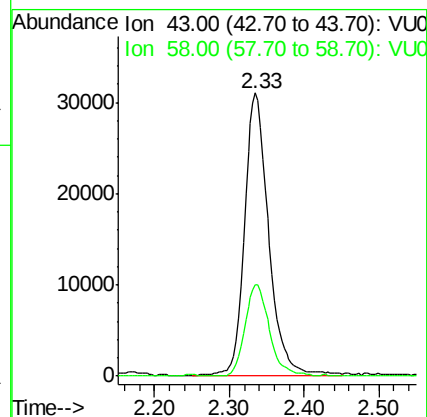
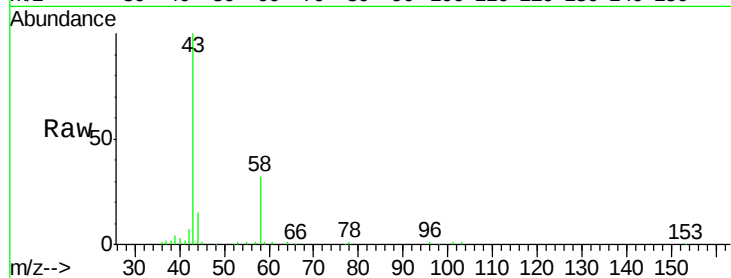
58 32.4 24.7 37.1

Manual Integrations

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#14

Carbon Disulfide

Concen: 5.772 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU031200.D

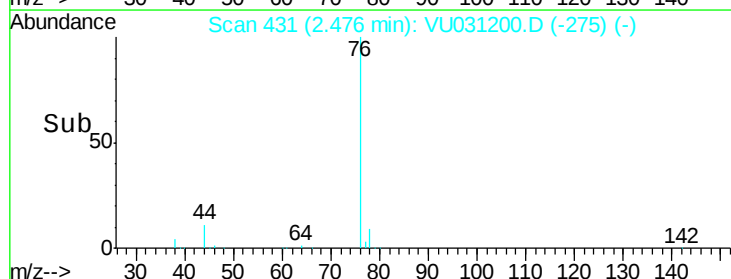
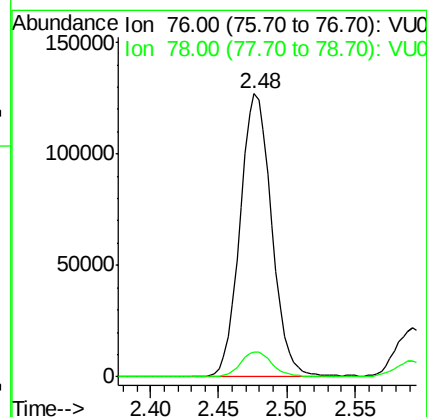
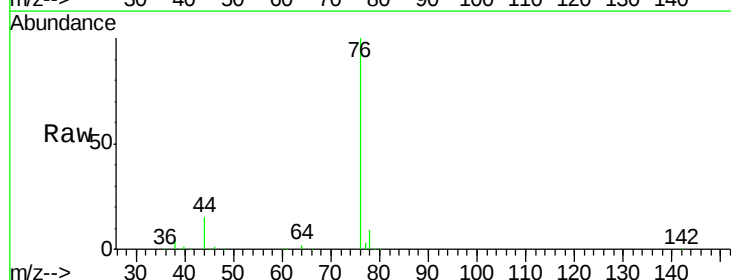
Acq: 15 Apr 2019 21:54

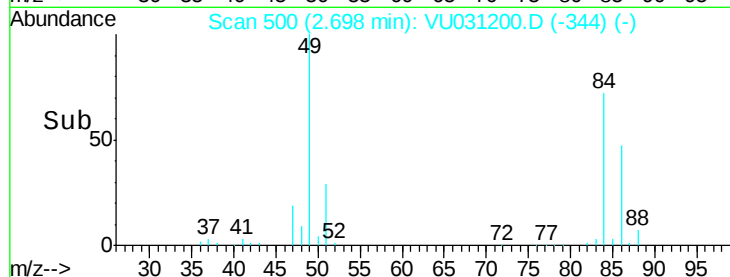
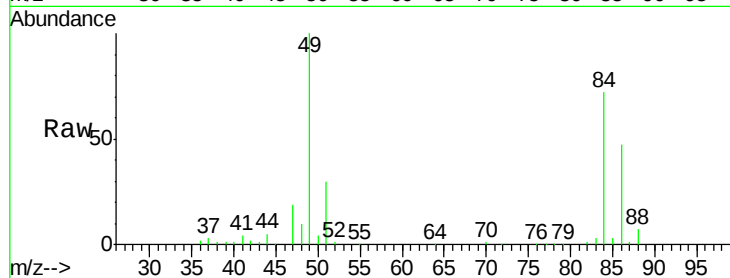
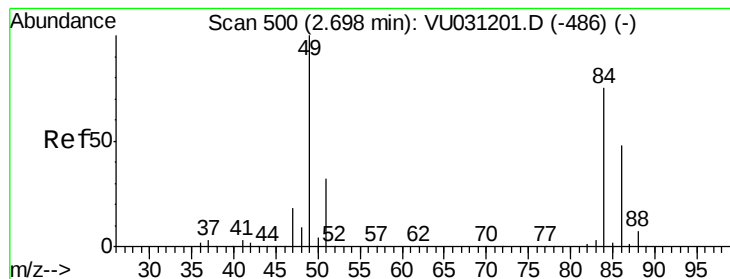
Tgt Ion: 76 Resp: 204933

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8





#15

Methvlene Chloride

Concen: 5.005 ug/l

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Tot Ion:	84	Resp:	65971
Ion	Ratio	Lower	Upper
84	100		
49	138.6	106.1	159.1
51	41.0	0.0	84.2
86	65.3	50.5	75.7

Instrument :

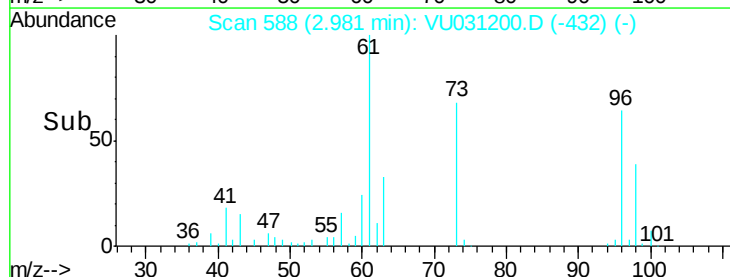
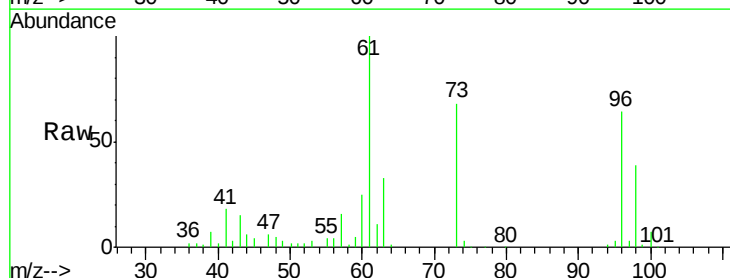
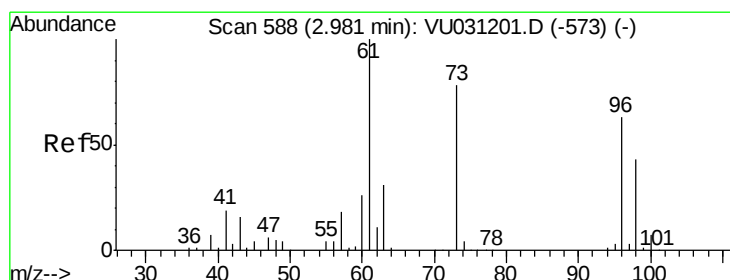
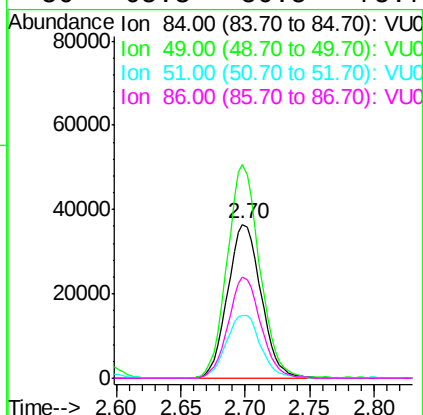
MSVOA_U

ClientSampleId :

VSTDIC005

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#16

trans-1,2-Dichloroethene

Concen: 5.673 ug/l

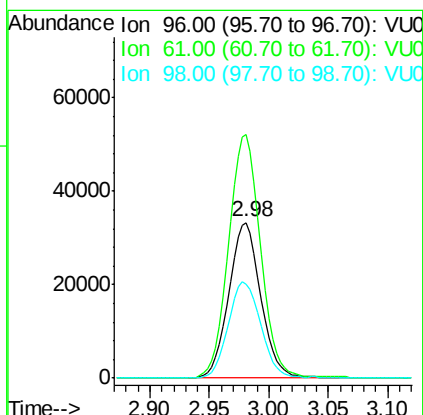
RT: 2.98 min Scan# 588

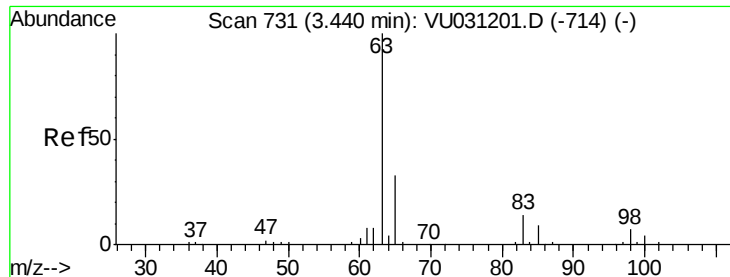
Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Tgt Ion:	96	Resp:	62019
Ion	Ratio	Lower	Upper
96	100		
61	156.8	126.6	189.8
98	60.7	53.9	80.9





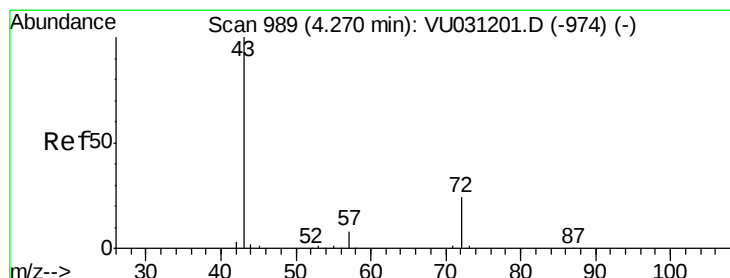
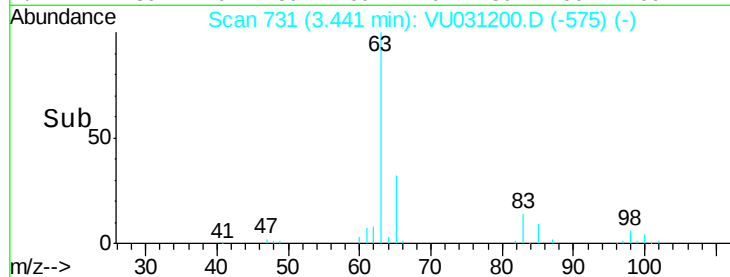
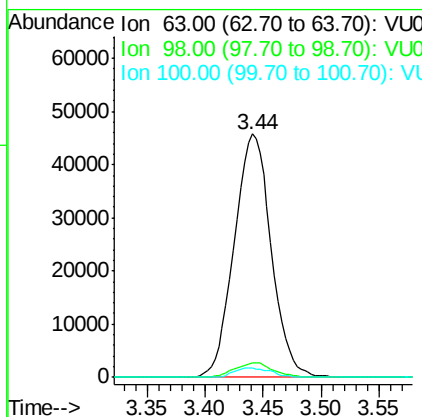
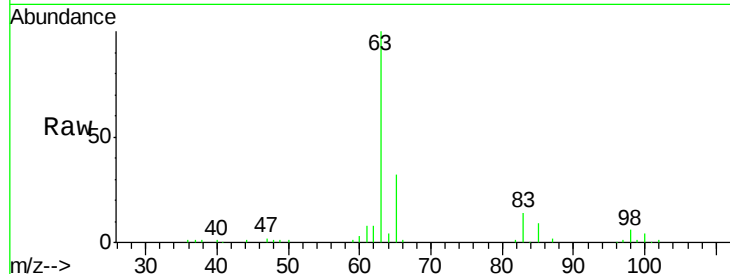
#17
 1,1-Dichloroethane
 Concen: 4.739 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:	63	Resp:	101405
Ion Ratio	Lower	Upper	
63	100		
98	6.1	3.3	9.8
100	3.7	2.0	5.8

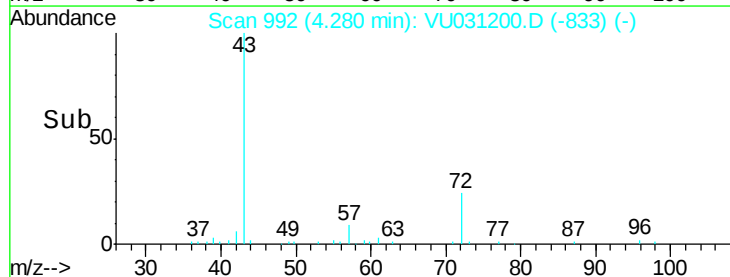
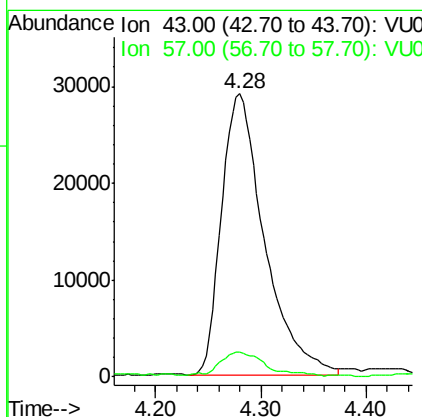
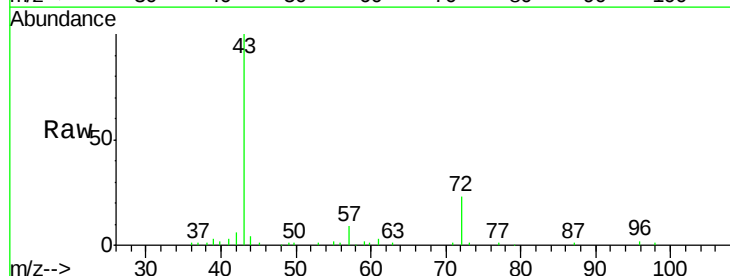
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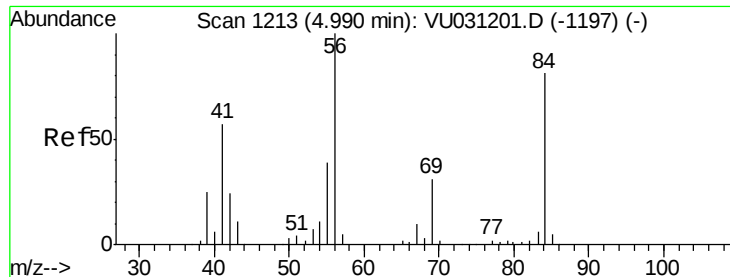
MMDadoda
 4/16/2019 3:23:22 PM



#18
 2-Butanone
 Concen: 22.377 ug/l
 RT: 4.28 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Tgt Ion:	43	Resp:	82203
Ion Ratio	Lower	Upper	
43	100		
57	8.0	0.0	16.2





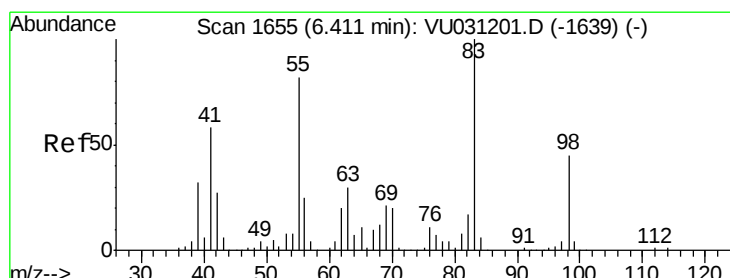
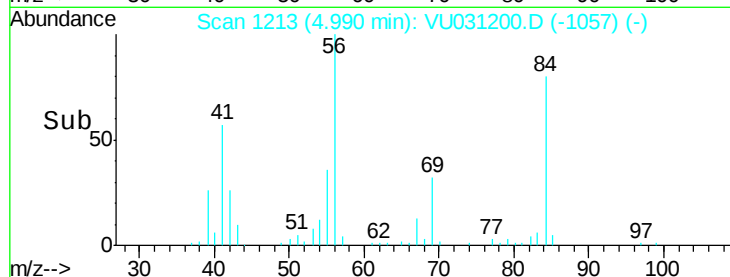
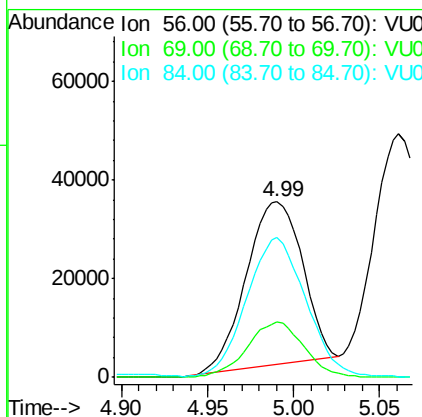
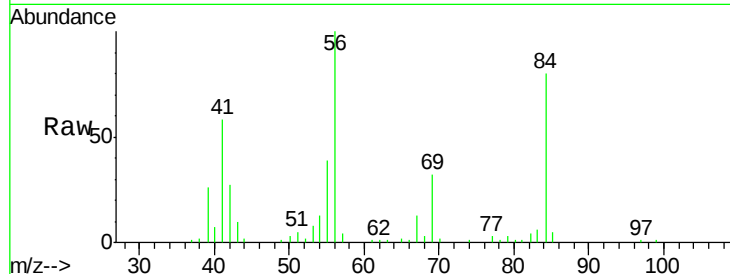
#19
Cyclohexane
Concen: 4.358 ug/l
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU031200.D
Acq: 15 Apr 2019 21:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.8	28.3	42.5
84	89.0	75.2	112.8

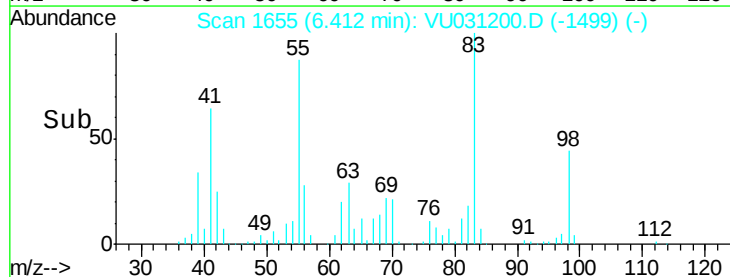
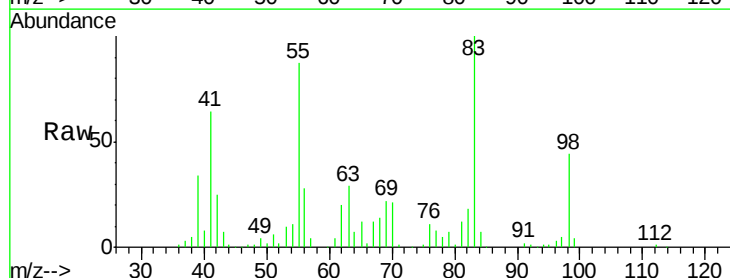
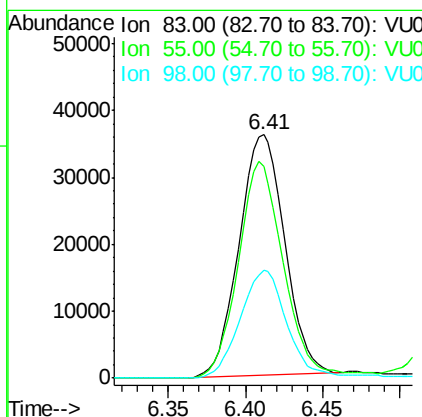
Manual Integrations
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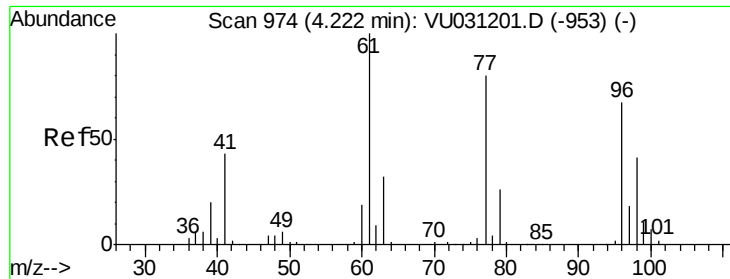
MMDadoda
4/16/2019 3:23:22 PM



#20
Methylcyclohexane
Concen: 4.943 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU031200.D
Acq: 15 Apr 2019 21:54

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.9	68.2	102.2
98	43.6	35.8	53.8





#21

2,2-Dichloropropane

Concen: 4.801 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 77 Resp: 79358

Ion Ratio Lower Upper

77 100

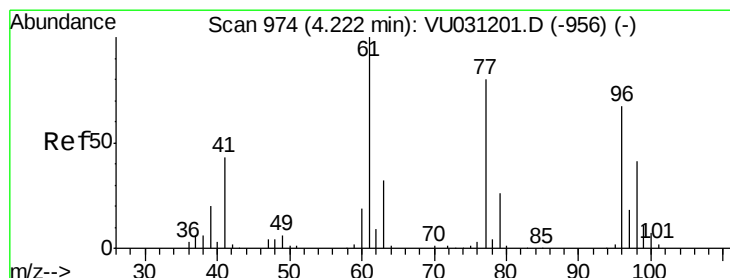
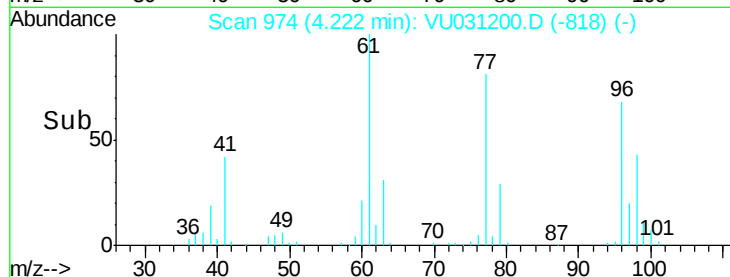
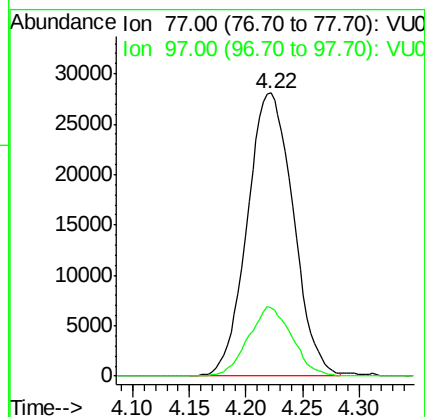
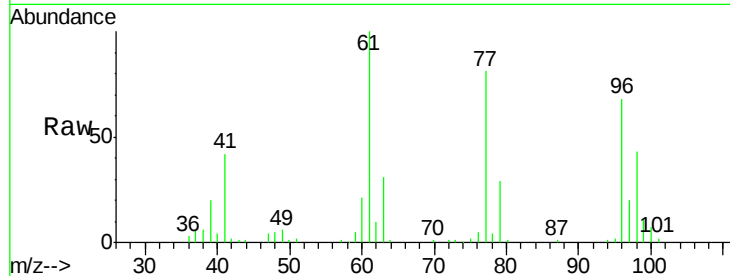
97 23.2 18.2 27.2

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#22

cis-1,2-Dichloroethene

Concen: 5.313 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

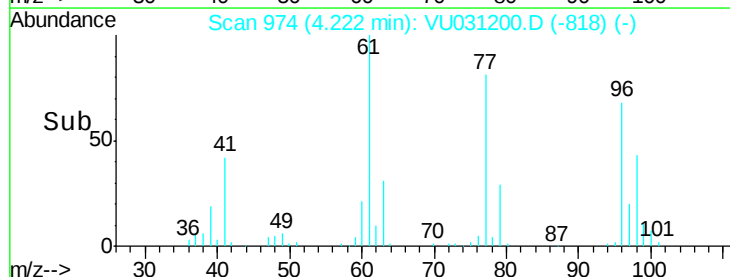
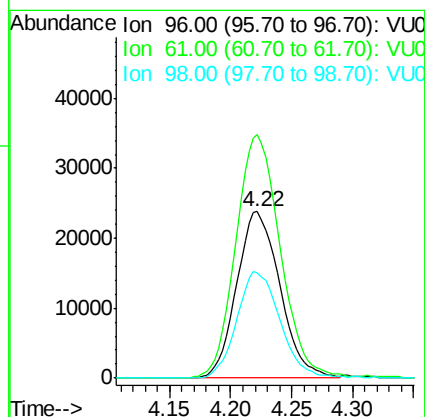
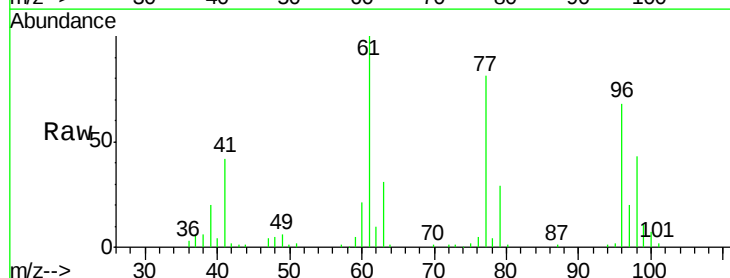
Tgt Ion: 96 Resp: 58645

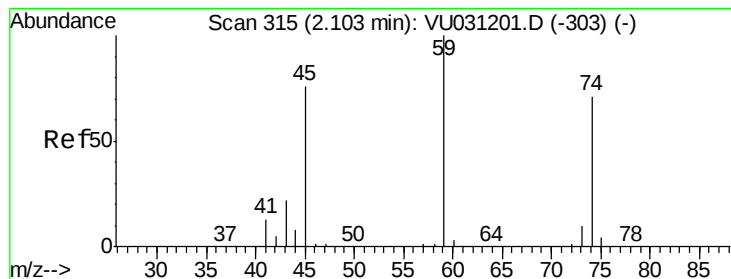
Ion Ratio Lower Upper

96 100

61 150.0 0.0 380.0

98 63.8 32.3 96.9





#23

Diethyl Ether

Concen: 5.414 ug/l

RT: 2.10 min Scan# 315

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Instrument :

MSVOA_U

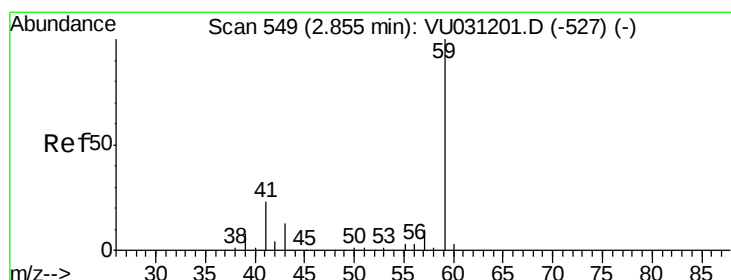
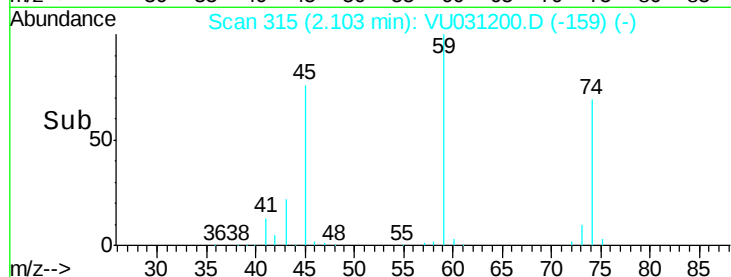
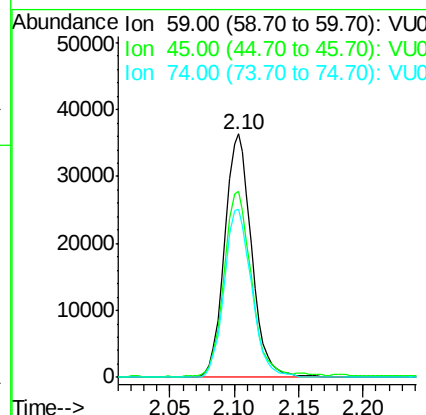
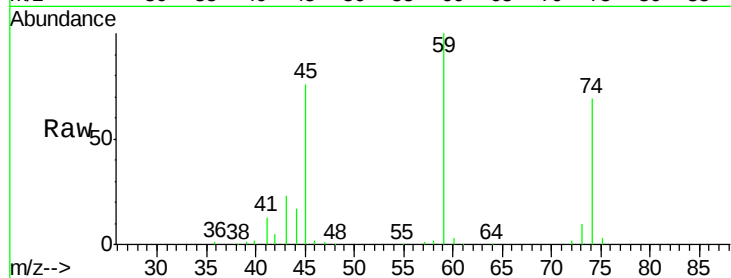
ClientSampleId :

VSTDIC005

Tot Ion:	59	Resp:	52648
Ion	Ratio	Lower	Upper
59	100		
45	76.8	61.8	92.6
74	70.1	55.8	83.8

Manual Integrations
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#24

tert-Butyl Alcohol

Concen: 49.515 ug/l m

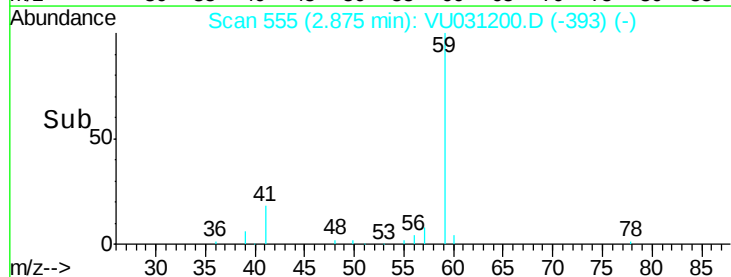
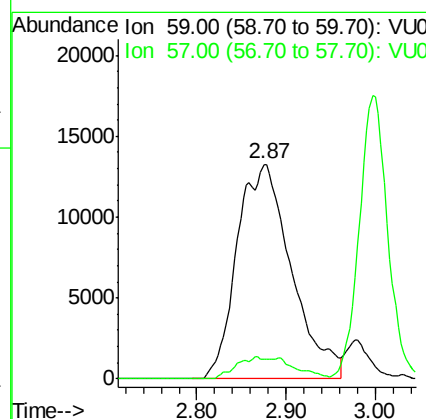
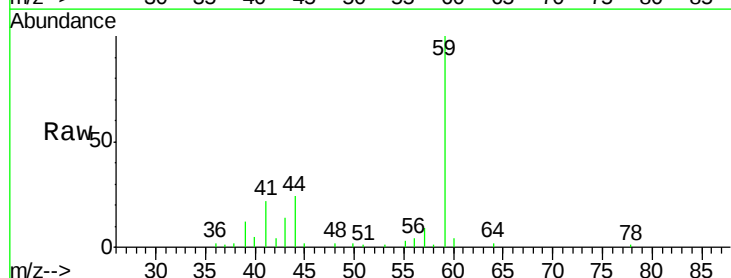
RT: 2.87 min Scan# 555

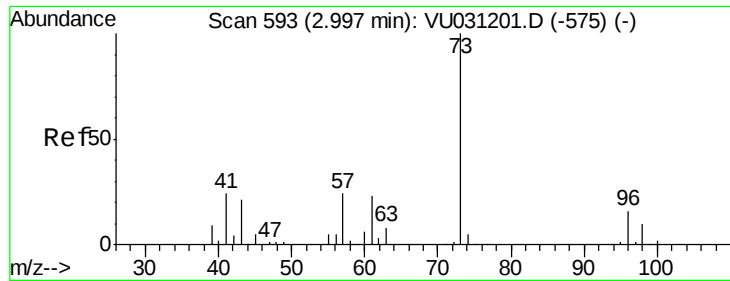
Delta R.T. 0.02 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Tgt Ion:	59	Resp:	56252
Ion	Ratio	Lower	Upper
59	100		
57	2.9	8.4	12.6#





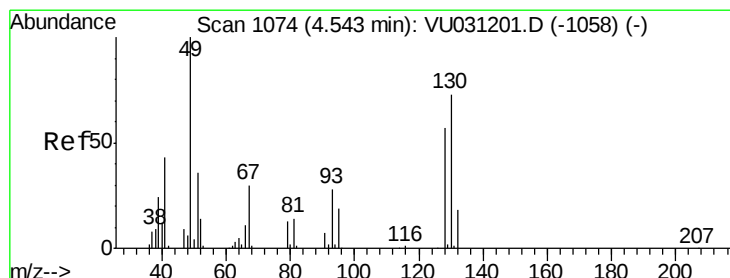
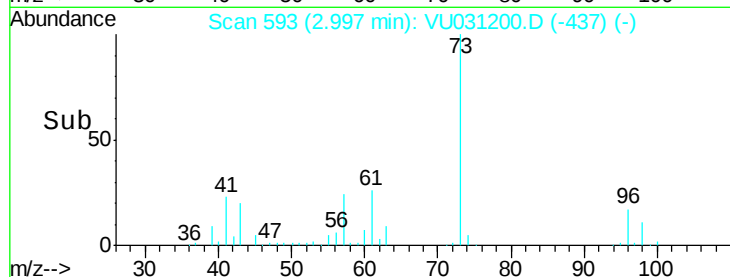
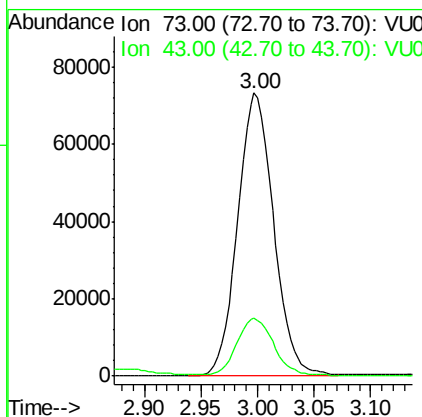
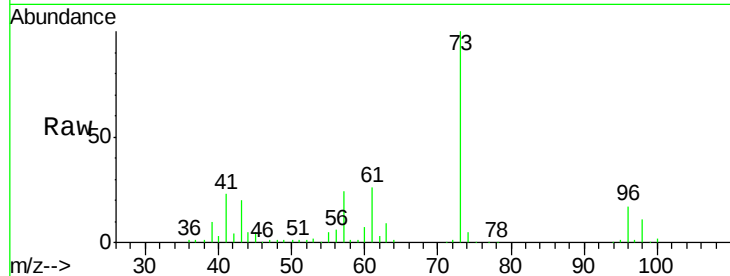
#25
Methvl tert-Butvl Ether
Concen: 5.387 ug/l
RT: 3.00 min Scan# 593
Delta R.T. 0.00 min
Lab File: VU031200.D
Acq: 15 Apr 2019 21:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 162762
Ion Ratio Lower Upper
73 100
43 19.7 16.2 24.4

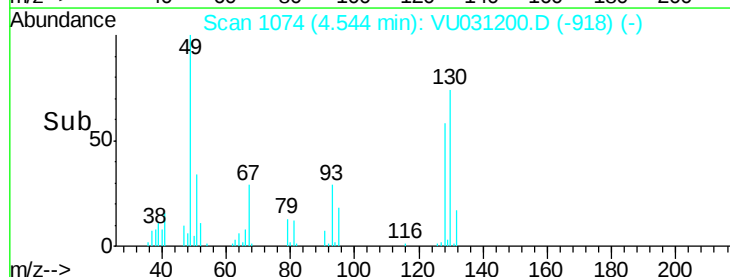
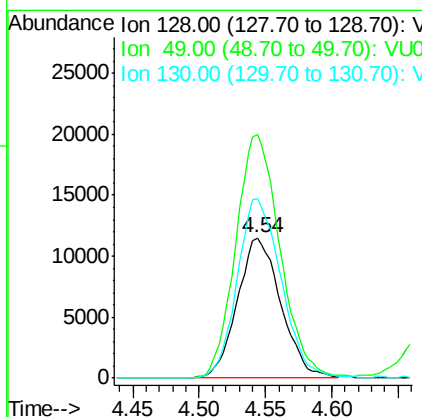
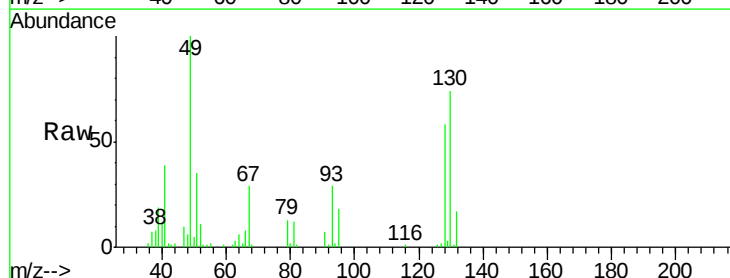
Manual Integrations
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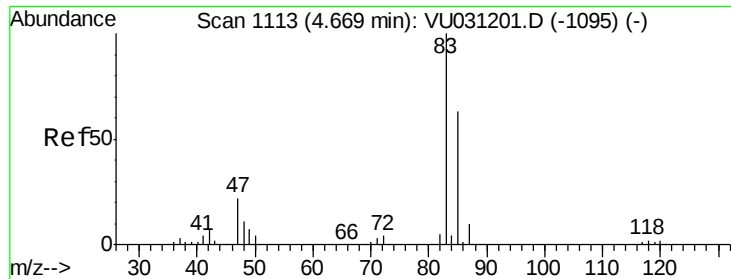
MMDadoda
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#26
Bromochloromethane
Concen: 5.504 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VU031200.D
Acq: 15 Apr 2019 21:54

Tgt Ion: 128 Resp: 26312
Ion Ratio Lower Upper
128 100
49 176.7 0.0 345.8
130 128.8 103.4 155.2





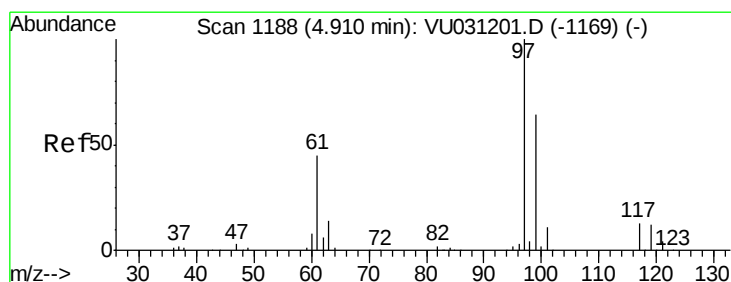
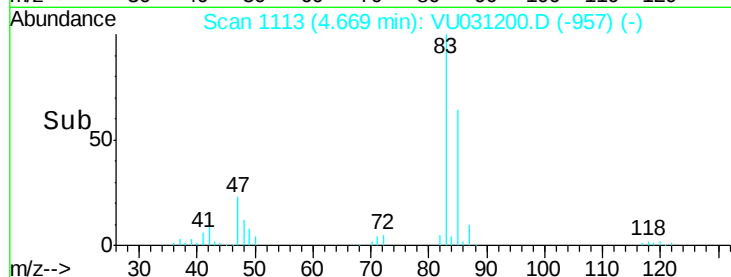
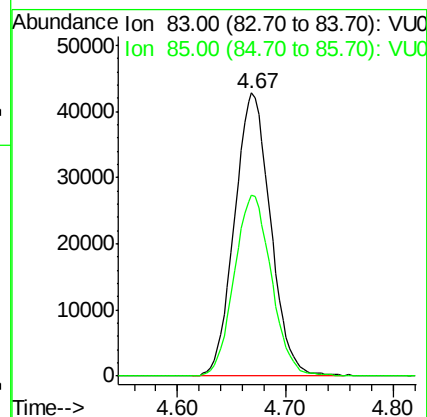
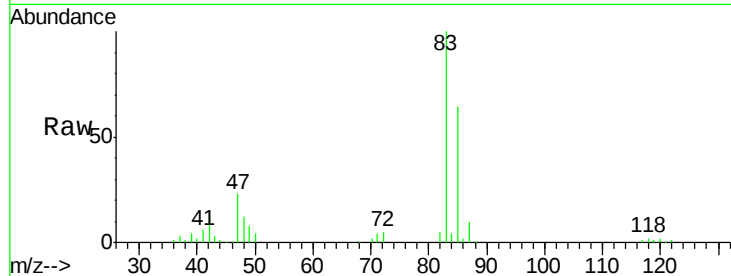
#27
Chloroform
Concen: 4.926 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031200.D
Acq: 15 Apr 2019 21:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	99820
Ion Ratio	100	Lower	Upper
85	64.0	0.0	126.6

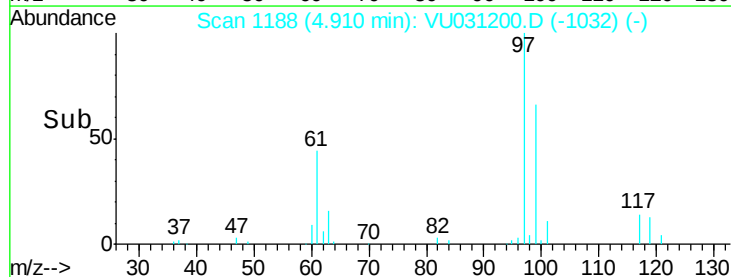
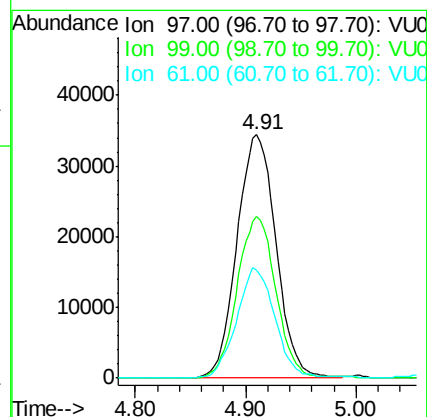
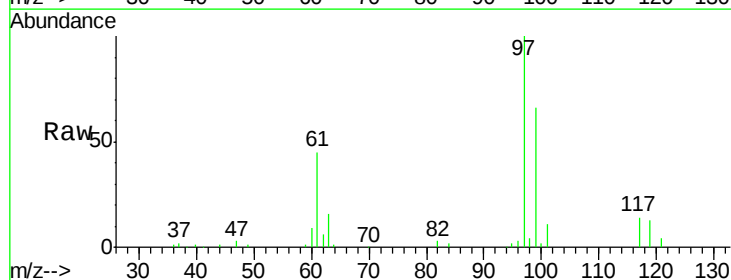
Manual Integrations
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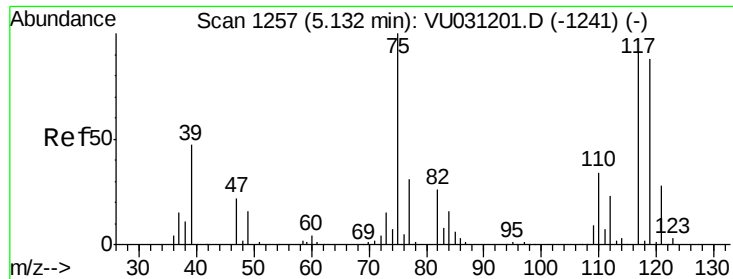
MMDadoda
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#28
1,1,1-Trichloroethane
Concen: 5.067 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU031200.D
Acq: 15 Apr 2019 21:54

Tgt Ion	97	Resp	84538
Ion Ratio	100	Lower	Upper
99	65.6	32.0	96.0
61	44.2	22.2	66.6





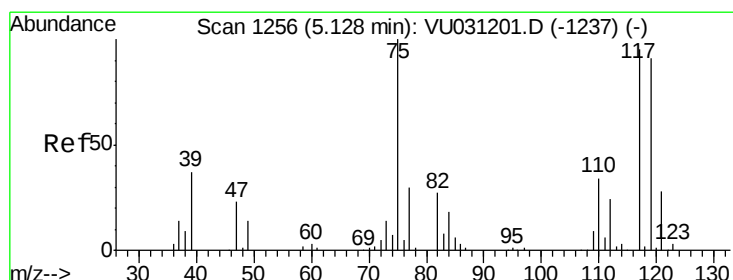
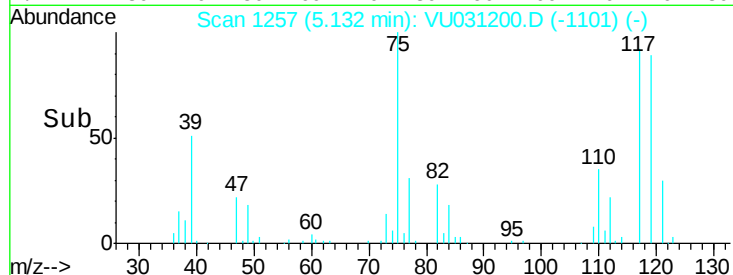
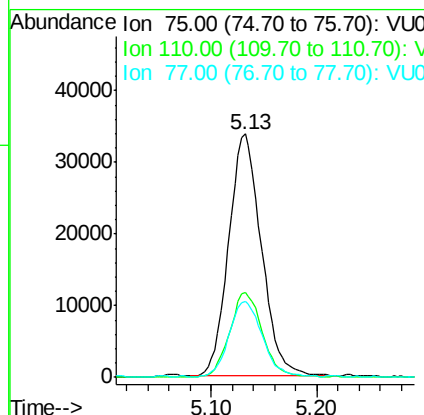
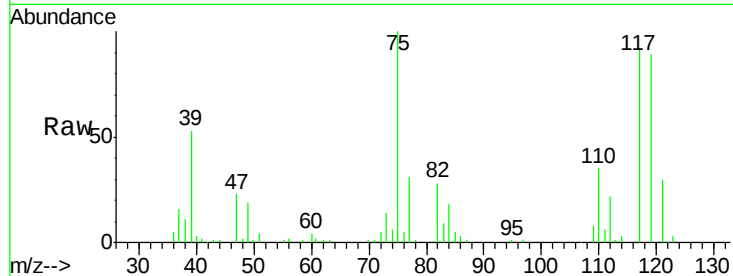
#29
 1,1-Dichloropropene
 Concen: 4.988 ug/l
 RT: 5.13 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.2	51.5
77	31.0	24.9	37.3

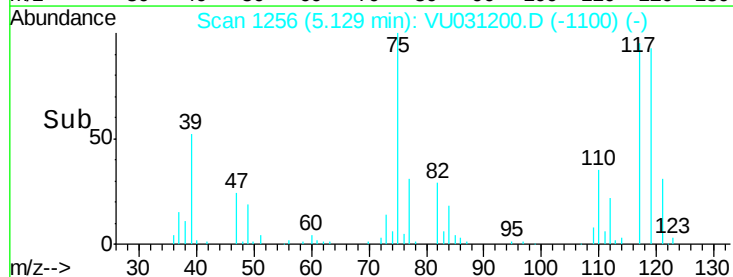
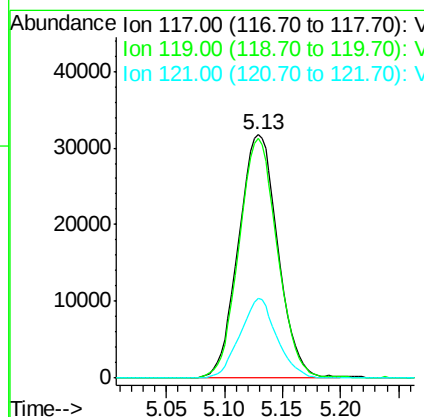
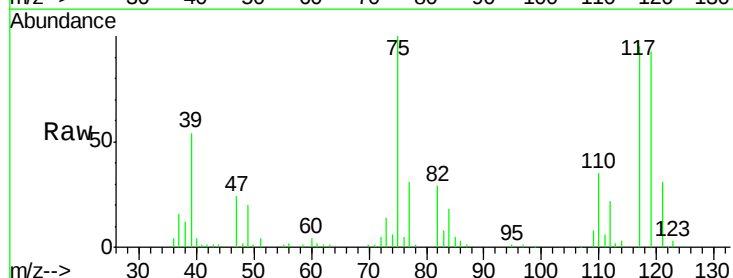
Manual Integrations
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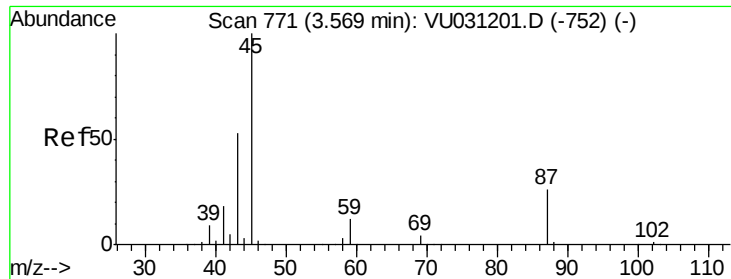
MMDadoda
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#30
 Carbon Tetrachloride
 Concen: 5.151 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	76.2	114.4
121	32.6	23.8	35.8





#31

Isopropyl Ether

Concen: 4.209 ug/l

RT: 3.57 min Scan# 772

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 45 Resp: 146297

Ion Ratio Lower Upper

45 100

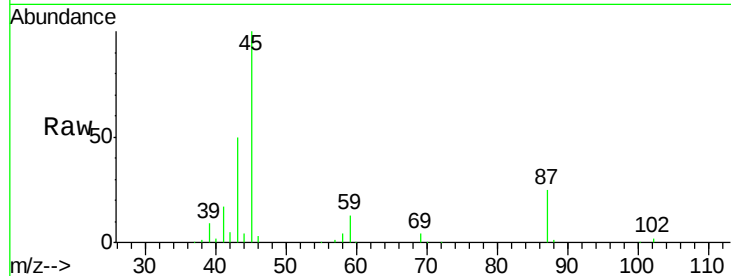
43 52.1 26.4 79.2

Manual Integrations

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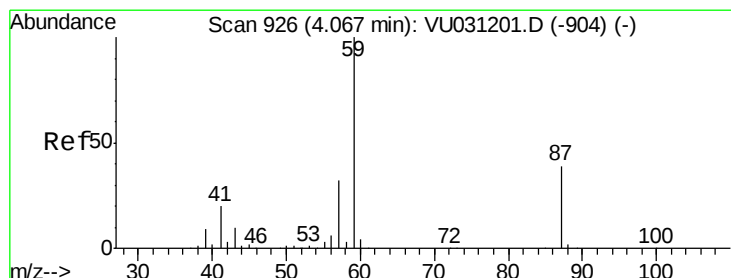
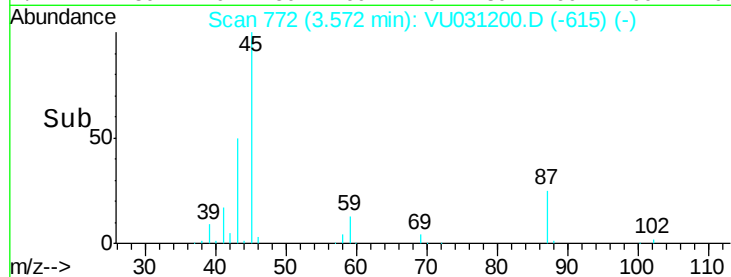
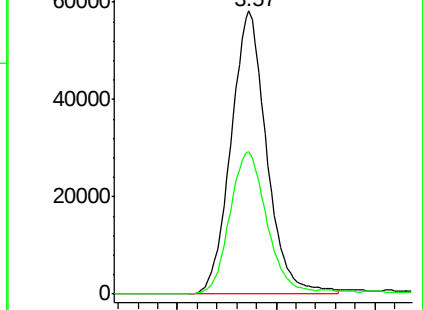
MMDadoda

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Abundance Ion 45.00 (44.70 to 45.70): VU031200.D (-615) (-)

Ion 43.00 (42.70 to 43.70): VU031200.D (-615) (-)



#32

Ethyl-t-butyl ether

Concen: 4.392 ug/l

RT: 4.07 min Scan# 926

Delta R.T. 0.00 min

Lab File: VU031200.D

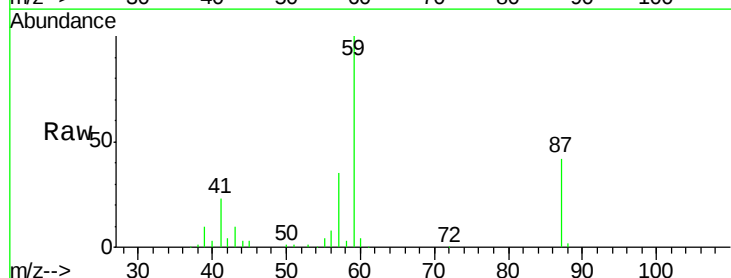
Acq: 15 Apr 2019 21:54

Tgt Ion: 59 Resp: 124070

Ion Ratio Lower Upper

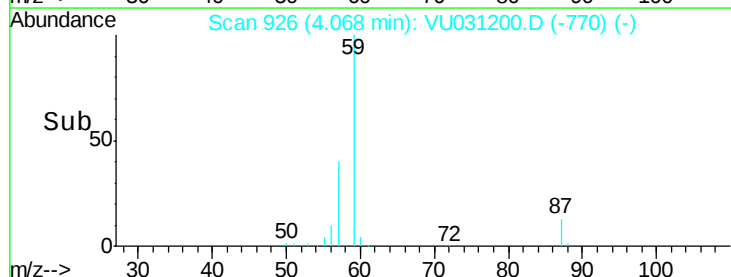
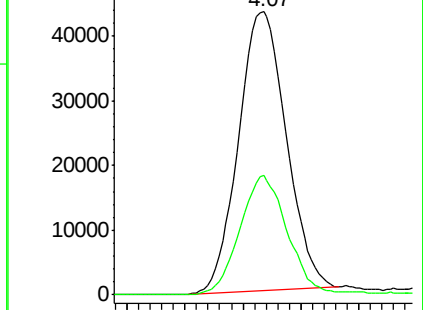
59 100

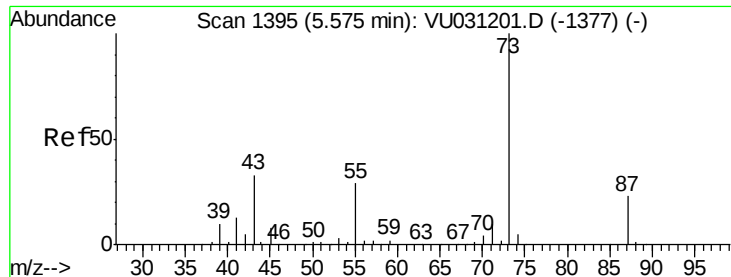
87 40.8 32.2 48.2



Abundance Ion 59.00 (58.70 to 59.70): VU031200.D (-770) (-)

Ion 87.00 (86.70 to 87.70): VU031200.D (-770) (-)





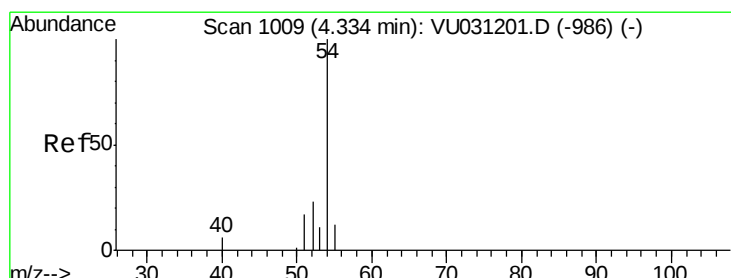
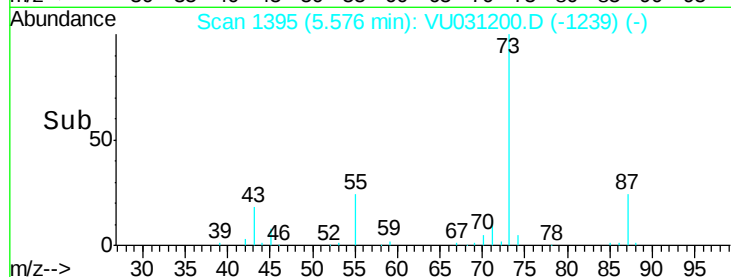
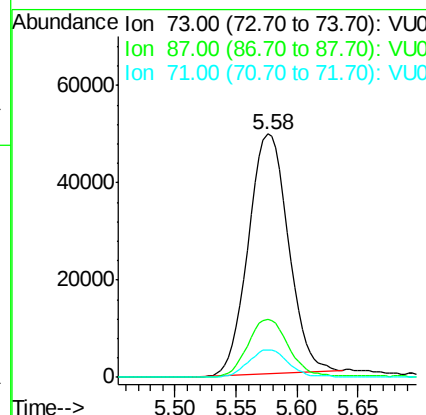
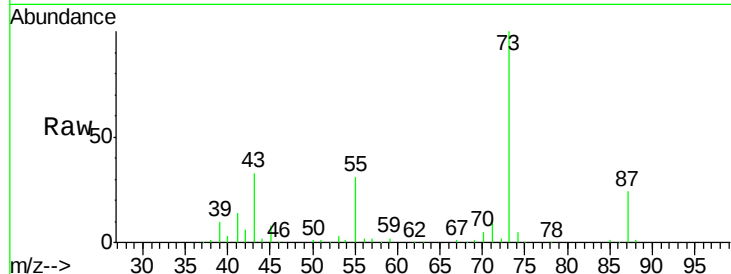
#33
 Tert-Butyl methyl ether
 Concen: 4.696 ug/l
 RT: 5.58 min Scan# 1395
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.9	18.4	27.6
71	11.2	8.8	13.2

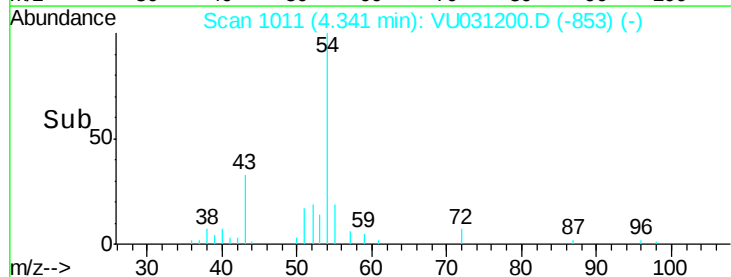
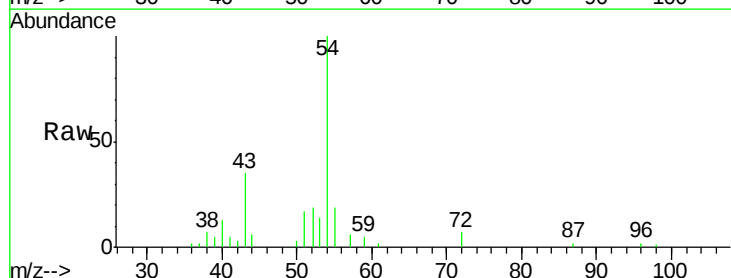
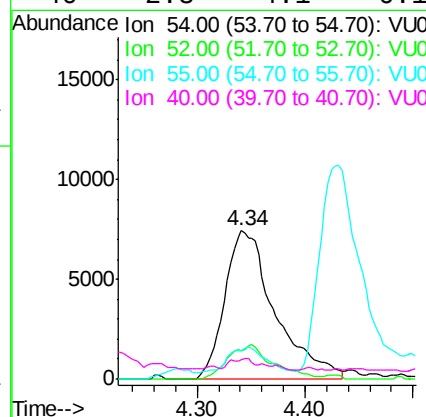
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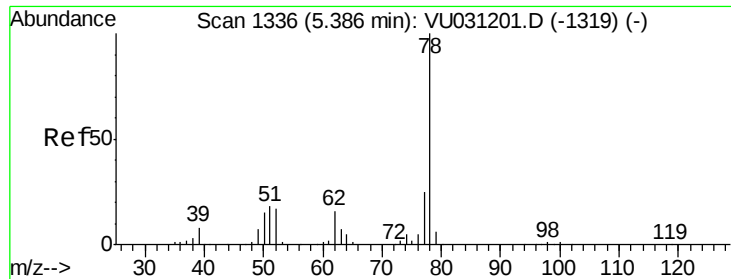
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#34
 Propionitrile
 Concen: 26.287 ug/l
 RT: 4.34 min Scan# 1011
 Delta R.T. 0.01 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.5	15.9	23.9
55	13.5	8.9	13.3#
40	2.8	4.1	6.1#





#35

Benzene

Concen: 4.995 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 78 Resp: 216686

Ion Ratio Lower Upper

78 100

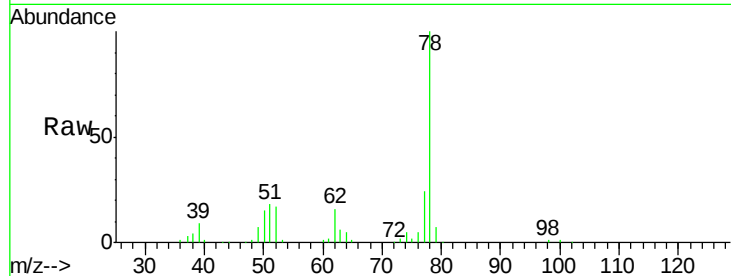
77 24.1 19.6 29.4

Manual Integrations

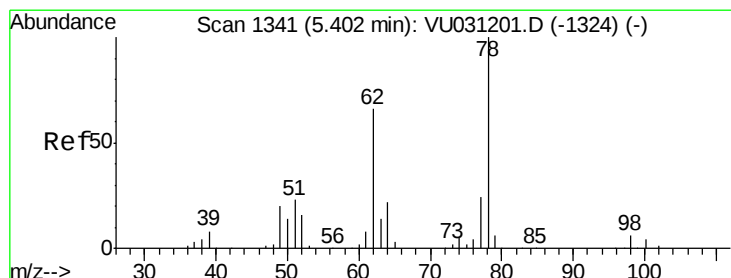
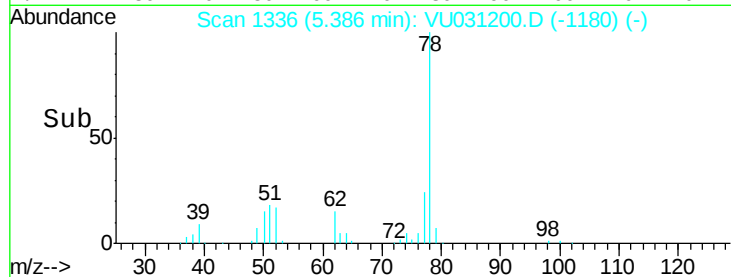
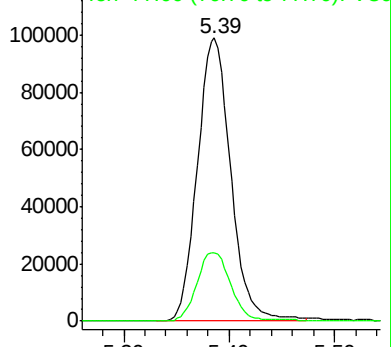
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Abundance Ion 78.10 (77.80 to 78.80): VU031200.D (-1180) (-)



#36

1,2-Dichloroethane

Concen: 4.917 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU031200.D

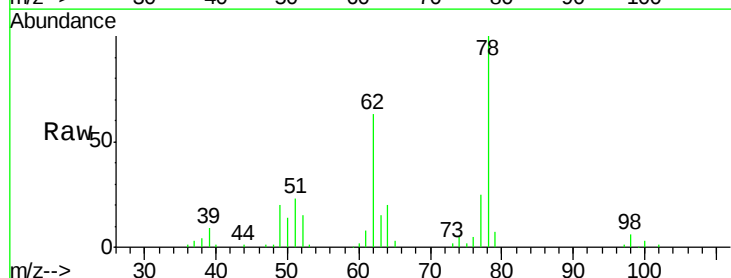
Acq: 15 Apr 2019 21:54

Tgt Ion: 62 Resp: 67853

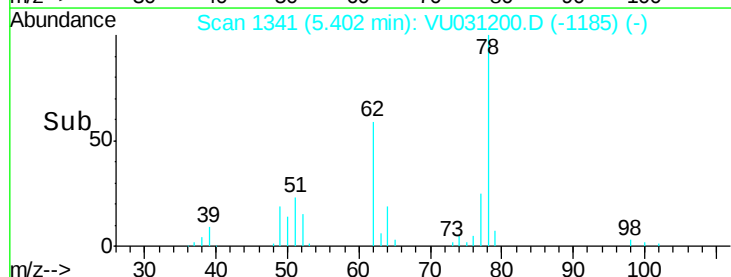
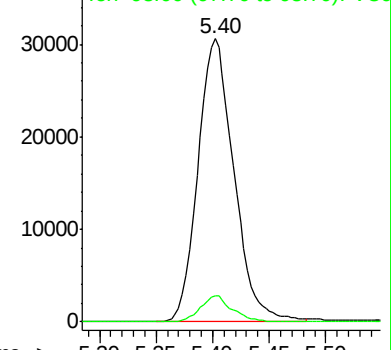
Ion Ratio Lower Upper

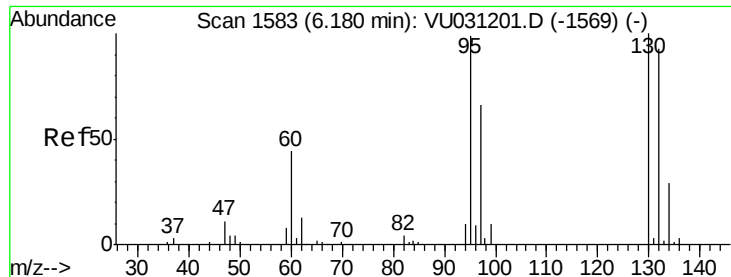
62 100

98 8.1 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VU031200.D (-1185) (-)





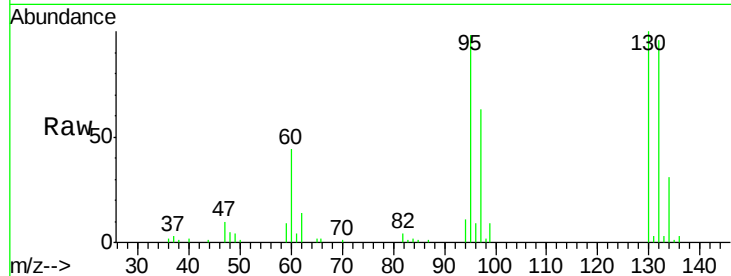
#37
 Trichloroethene
 Concen: 5.355 ug/l
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

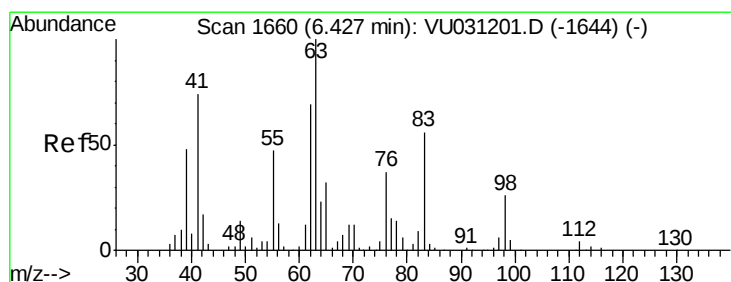
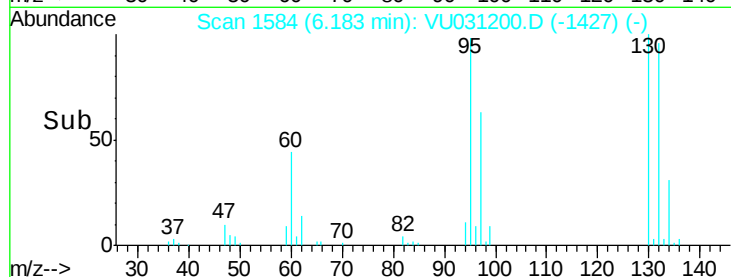
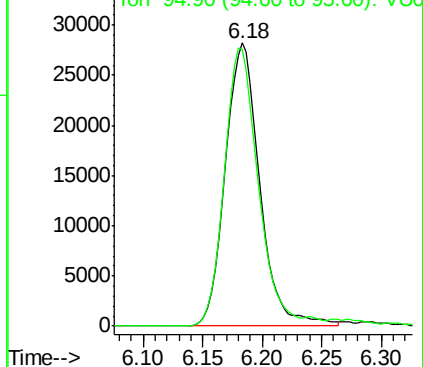
Tot Ion:130 Resp: 56540
 Ion Ratio Lower Upper
 130 100
 95 97.7 79.3 118.9

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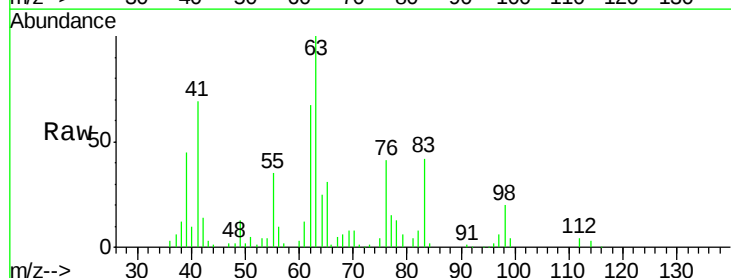


Abundance Ion 129.90 (129.60 to 130.60): VU031201.D (-1569) (-)
 Ion 94.90 (94.60 to 95.60): VU031201.D (-1569) (-)

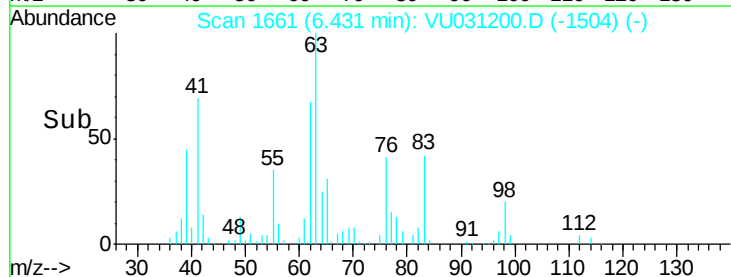
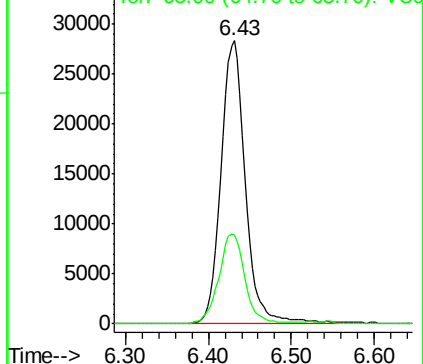


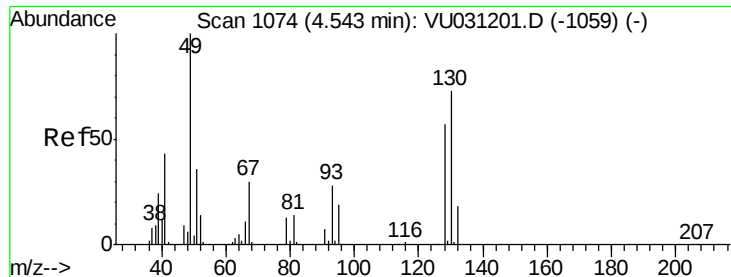
#38
 1,2-Dichloropropane
 Concen: 4.660 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Tgt Ion: 63 Resp: 57658
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU031201.D (-1644) (-)
 Ion 65.00 (64.70 to 65.70): VU031201.D (-1644) (-)





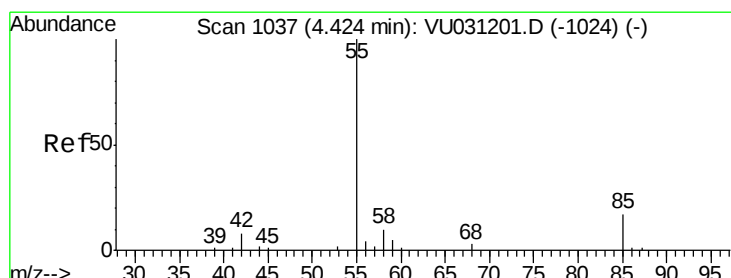
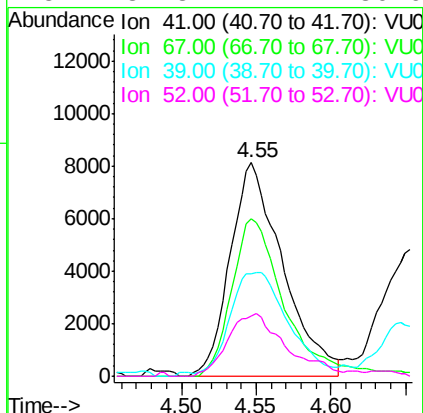
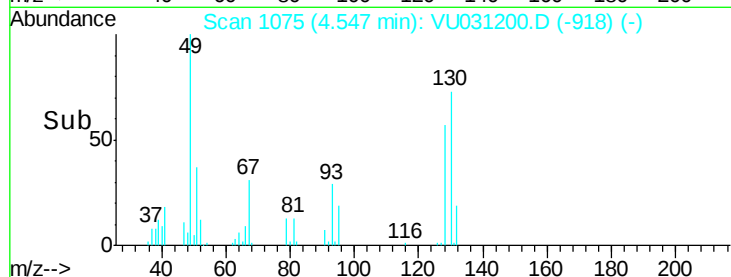
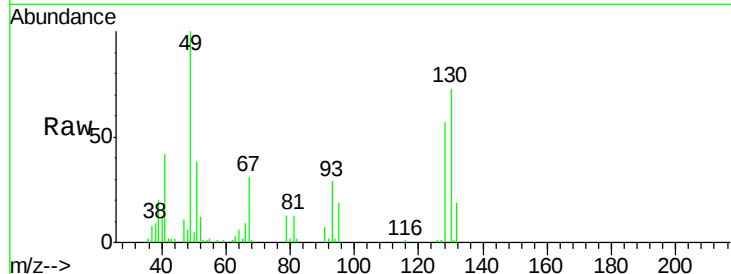
#39
Methacrylonitrile
Concen: 4.399 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU031200.D
Acq: 15 Apr 2019 21:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	41	Resp	19864
Ion	Ratio	Lower	Upper
41	100		
67	73.5	59.7	89.5
39	50.7	42.2	63.2
52	32.3	24.4	36.6

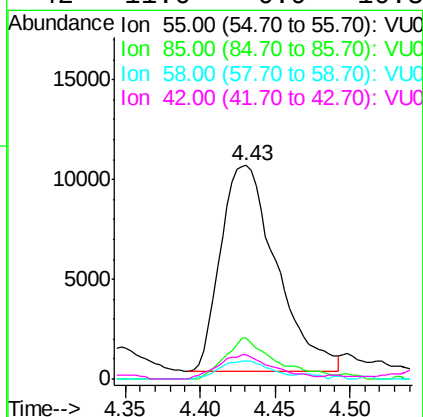
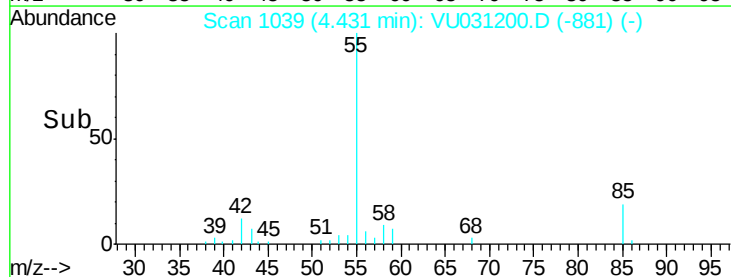
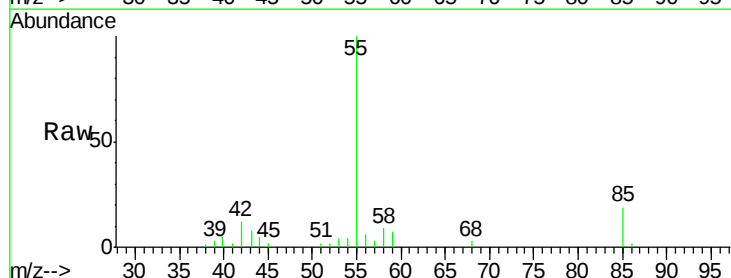
Manual Integrations
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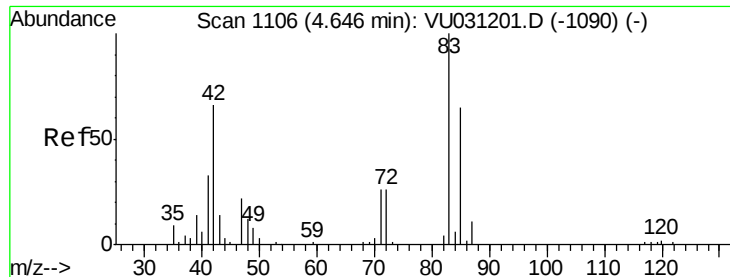
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#40
Methyl acrylate
Concen: 4.827 ug/l
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VU031200.D
Acq: 15 Apr 2019 21:54

Tgt Ion	55	Resp	26781
Ion	Ratio	Lower	Upper
55	100		
85	18.1	12.2	18.2
58	7.8	7.0	10.6
42	11.6	6.9	10.3#





#41

Tetrahydrofuran

Concen: 8.732 ug/l

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Instrument :

MSVOA_U

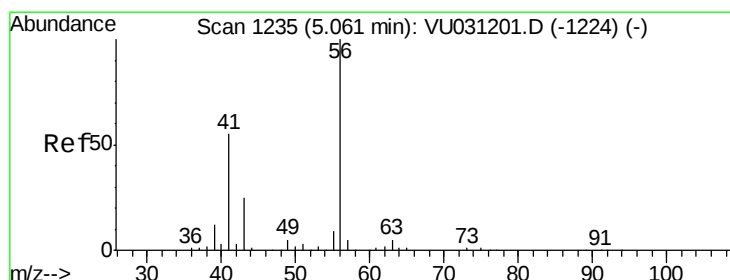
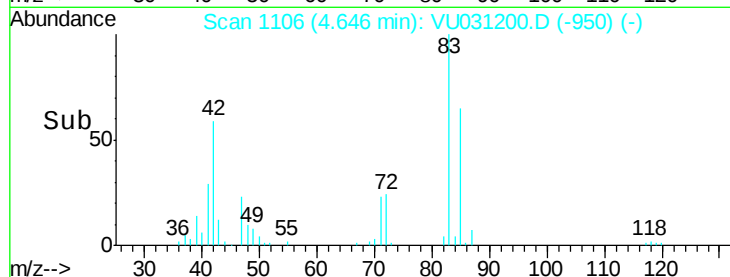
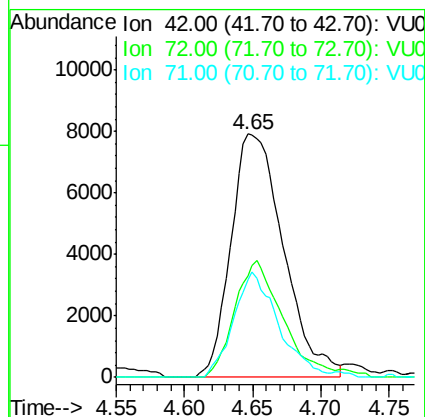
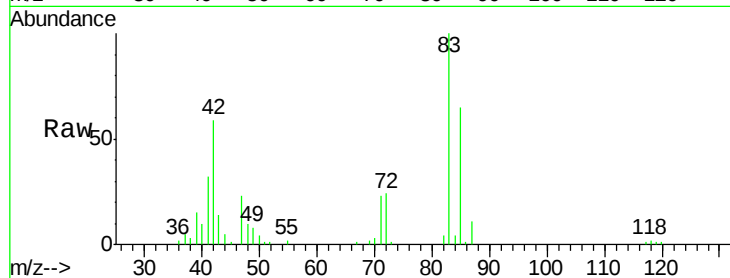
ClientSampleId :

VSTDIC005

Tot Ion:	42	Resp:	21219
Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.4	51.6
71	36.9	32.0	48.0

Manual Integrations
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#42

1-Chlorobutane

Concen: 4.884 ug/l

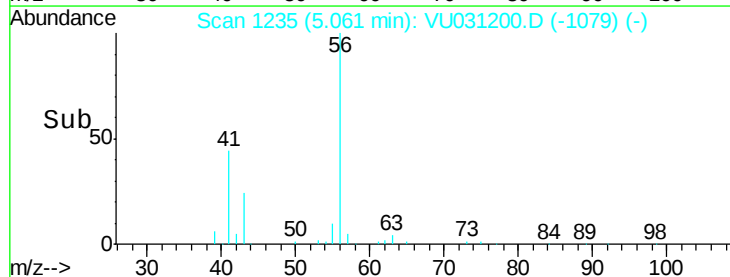
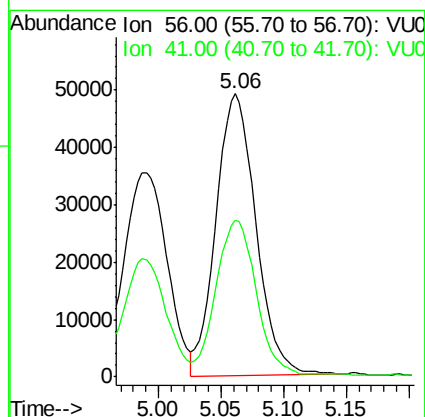
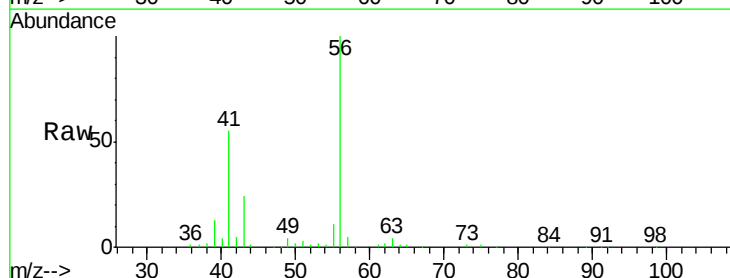
RT: 5.06 min Scan# 1235

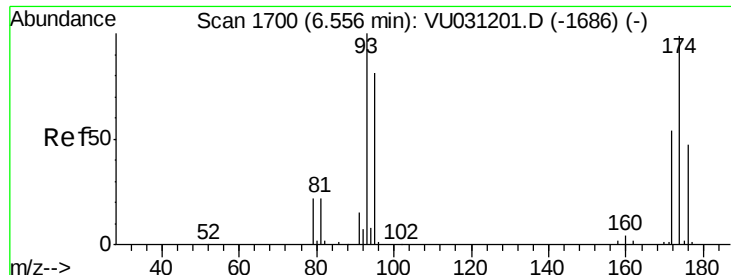
Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Tgt Ion:	56	Resp:	108420
Ion	Ratio	Lower	Upper
56	100		
41	54.9	27.3	81.9





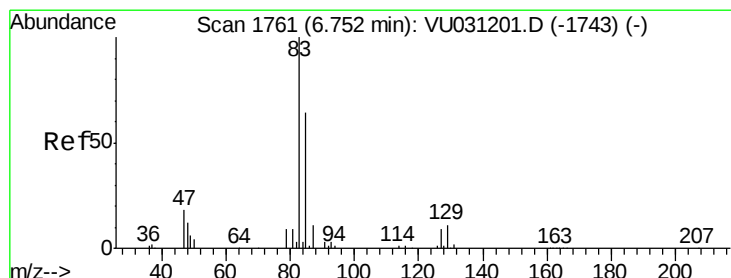
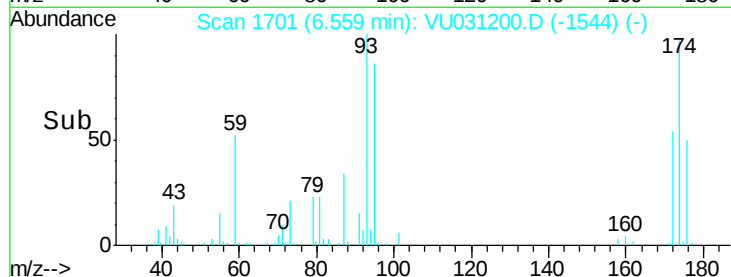
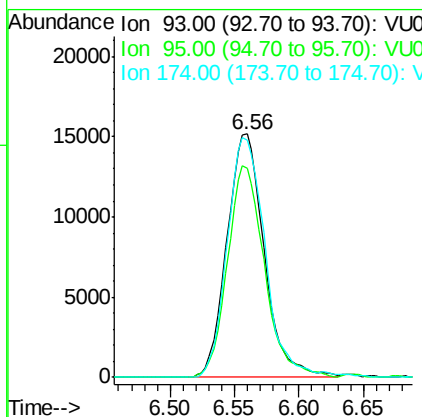
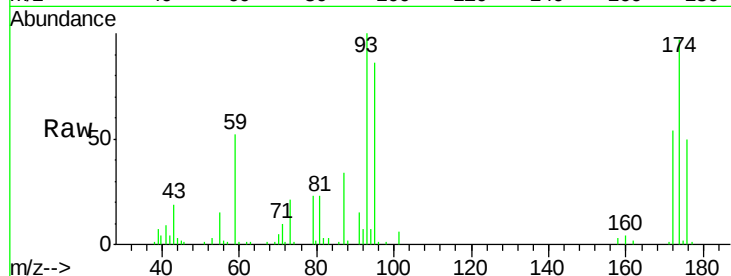
#43
 Dibromomethane
 Concen: 5.273 ug/l
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
93	100		
95	86.0	67.4	101.0
174	98.5	79.1	118.7

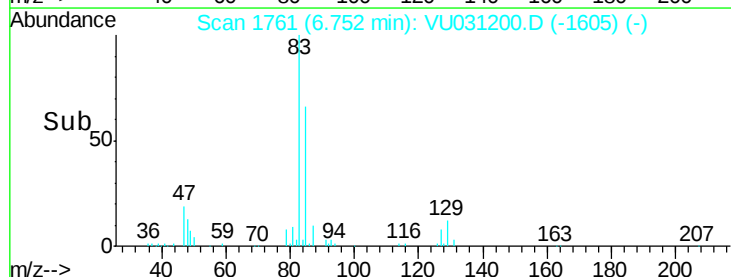
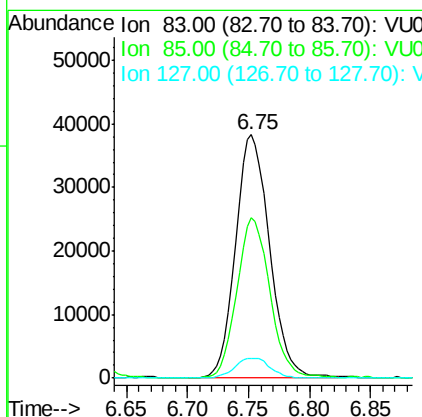
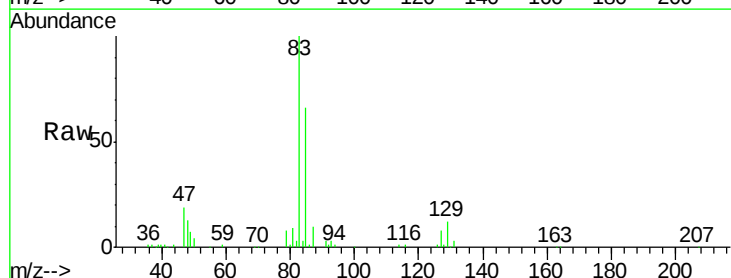
Manual Integrations
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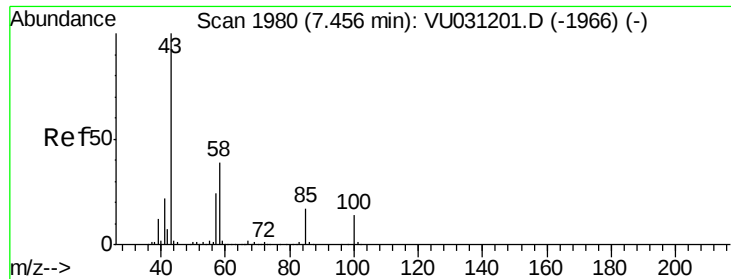
MMDadoda
 4/16/2019 3:23:22 PM



#44
 Bromodichloromethane
 Concen: 4.891 ug/l
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.0	76.6
127	8.3	7.4	11.0





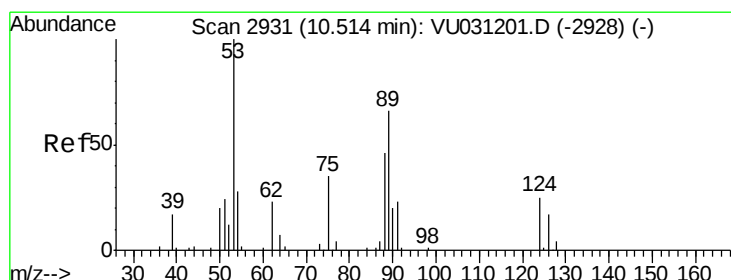
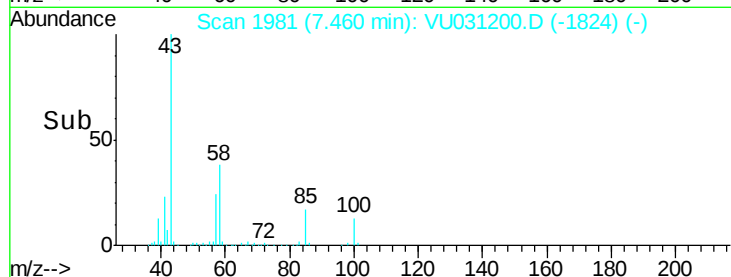
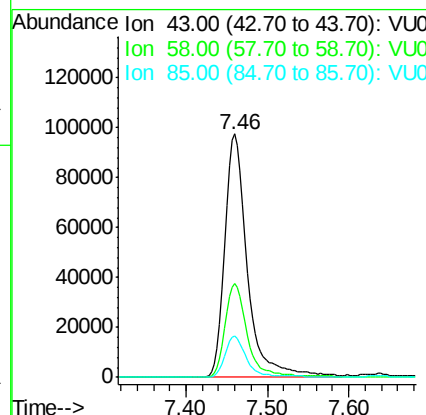
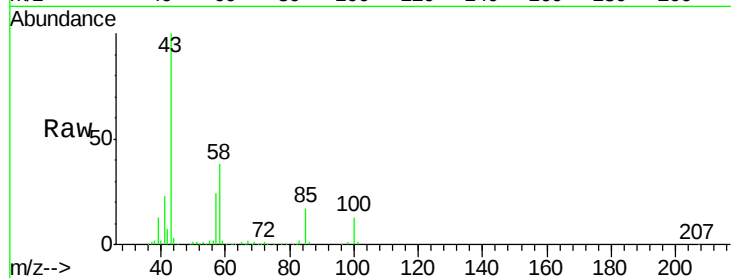
#45
4-Methyl-2-Pentanone
Concen: 23.366 ug/l
RT: 7.46 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VU031200.D
Acq: 15 Apr 2019 21:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.4	19.4	58.2
85	16.3	13.2	19.8

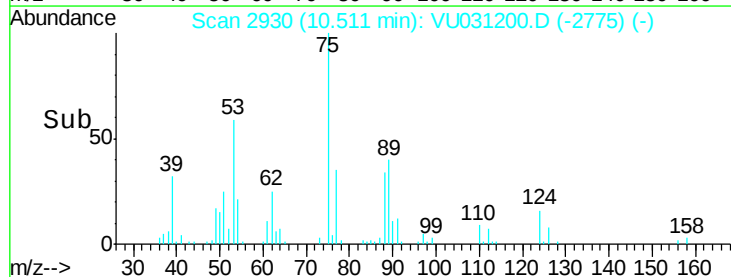
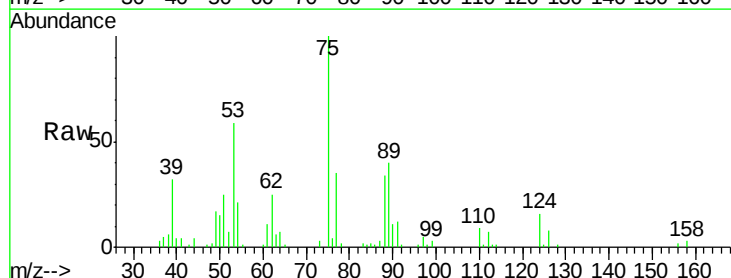
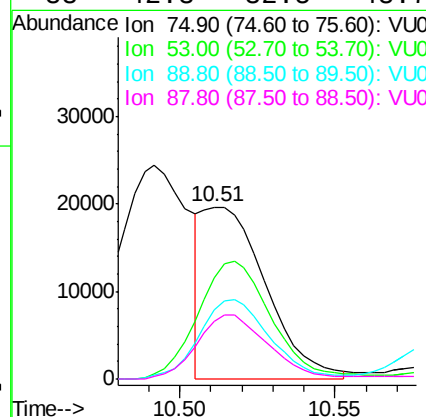
Manual Integrations
APPROVED

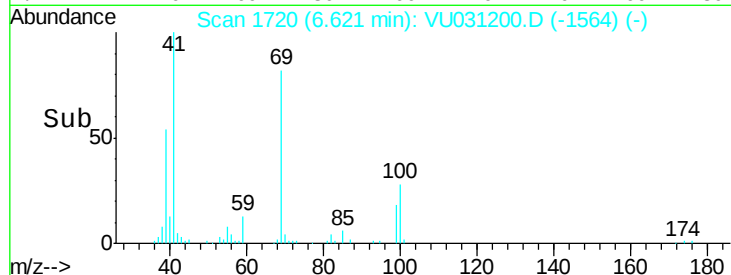
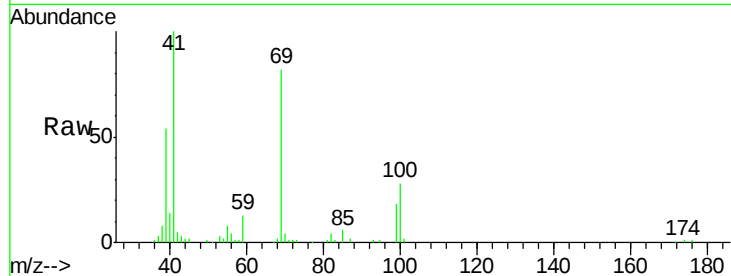
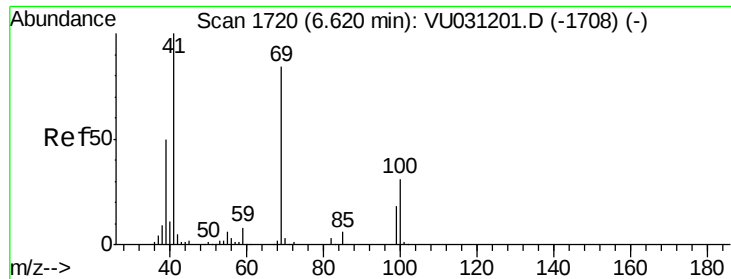
MMDadoda
4/16/2019 3:23:22 PM



#46
t-1,4-Dichloro-2-butene
Concen: 9.872 ug/l m
RT: 10.51 min Scan# 2930
Delta R.T. -0.00 min
Lab File: VU031200.D
Acq: 15 Apr 2019 21:54

Tgt Ion	Ratio	Lower	Upper
75	100		
53	79.9	65.2	97.8
89	51.7	43.0	64.4
88	42.3	32.5	48.7





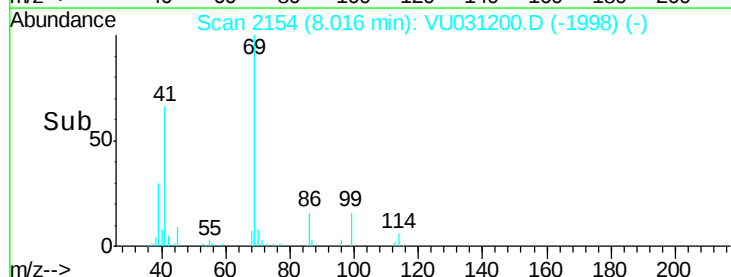
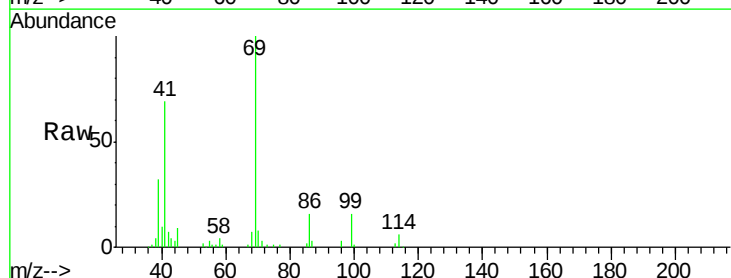
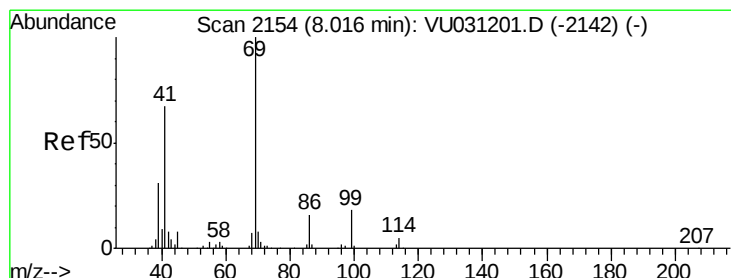
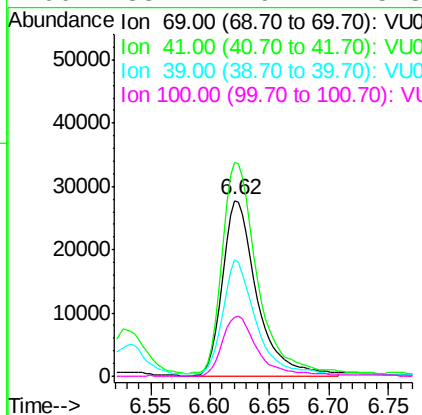
#47
Methvl methacrylate
Concen: 10.587 ug/l
RT: 6.62 min Scan# 1720
Delta R.T. 0.00 min
Lab File: VU031200.D
Acq: 15 Apr 2019 21:54

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		56005		
41	118.6	0.0	237.2		
39	62.0	47.4	71.2		
100	35.4	29.2	43.8		

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

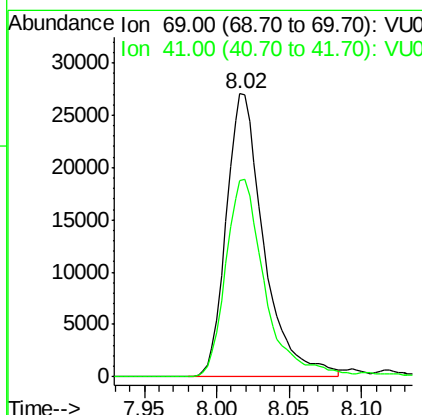
Manual Integrations
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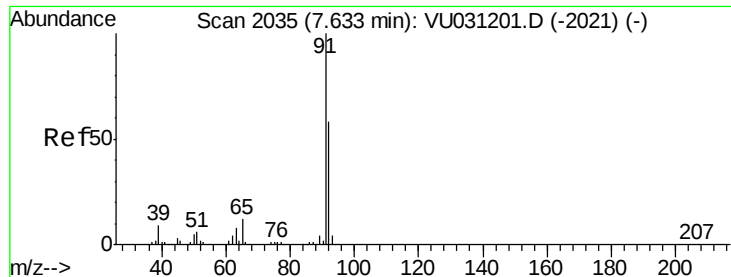
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#48
Ethyl methacrylate
Concen: 4.916 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VU031200.D
Acq: 15 Apr 2019 21:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		48710		
41	72.4	32.5	97.5		





#49

Toluene

Concen: 5.287 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 92 Resp: 125150

Ion Ratio Lower Upper

92 100

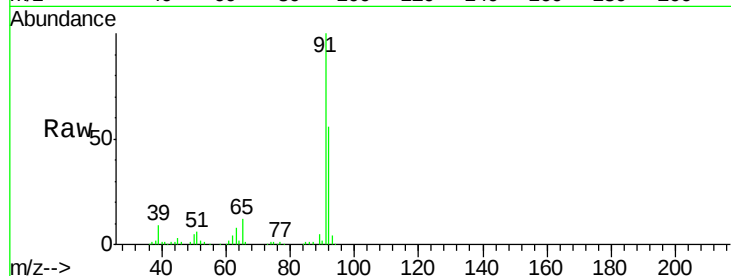
91 178.2 140.2 210.4

Manual Integrations

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Abundance Ion 92.00 (91.70 to 92.70): VU031200.D (-1879) (-)

Ion 91.00 (90.70 to 91.70): VU031200.D (-1879) (-)

7.63

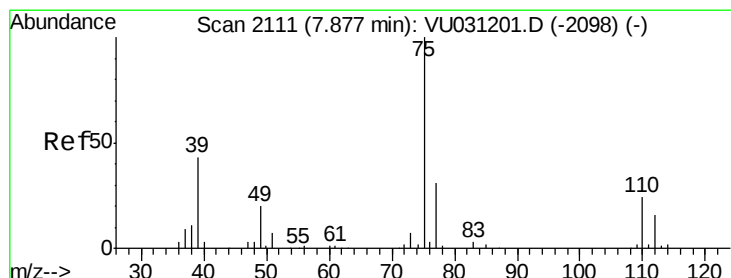
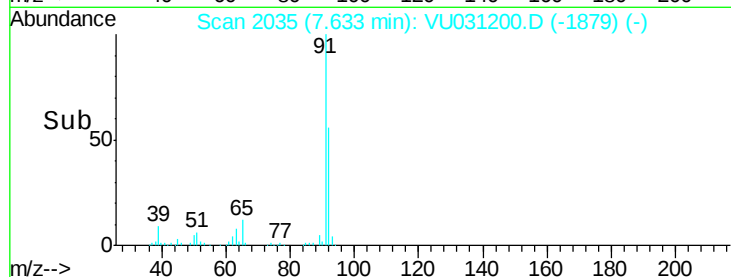
100000

50000

0

7.55 7.60 7.65 7.70

Time-->



#50

t-1,3-Dichloropropene

Concen: 4.998 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031200.D

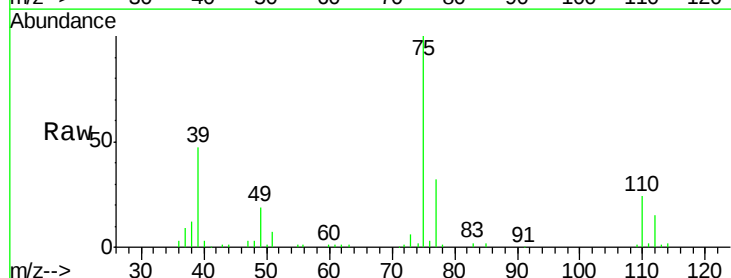
Acq: 15 Apr 2019 21:54

Tgt Ion: 75 Resp: 64964

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU031200.D (-1955) (-)

Ion 77.00 (76.70 to 77.70): VU031200.D (-1955) (-)

7.88

40000

30000

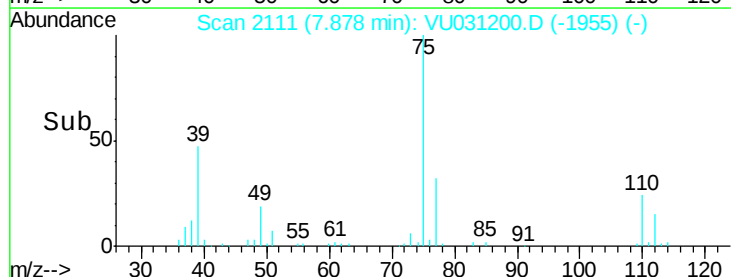
20000

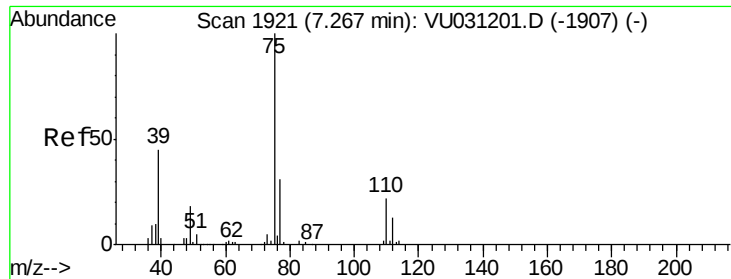
10000

0

7.80 7.85 7.90 7.95 8.00

Time-->





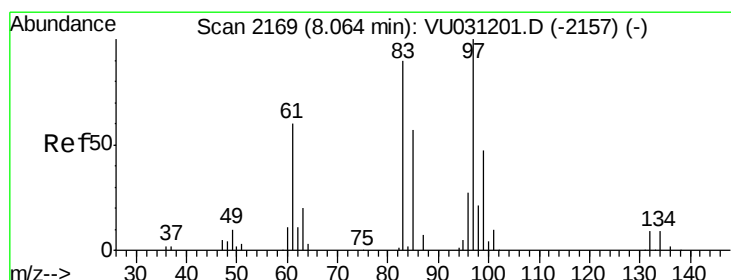
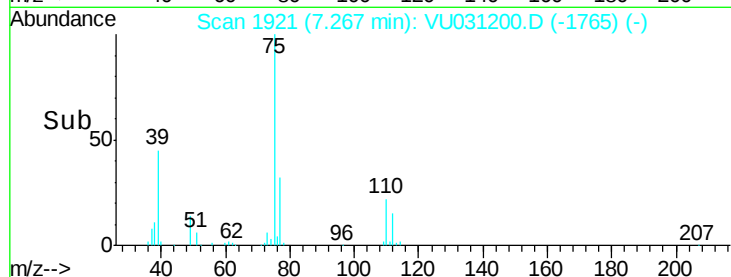
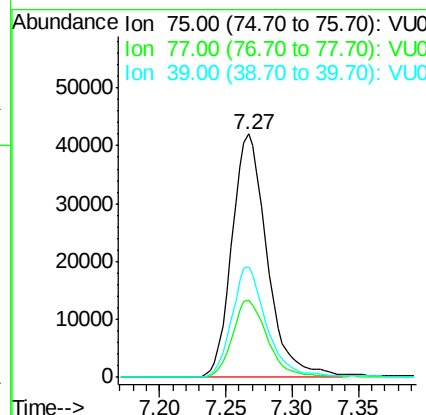
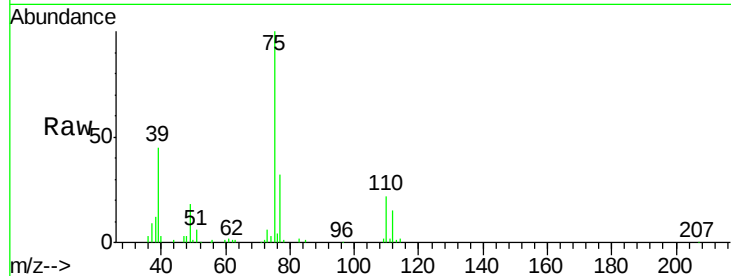
#51
 cis-1,3-Dichloropropene
 Concen: 4.964 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	37.0
39	45.5	36.1	54.1

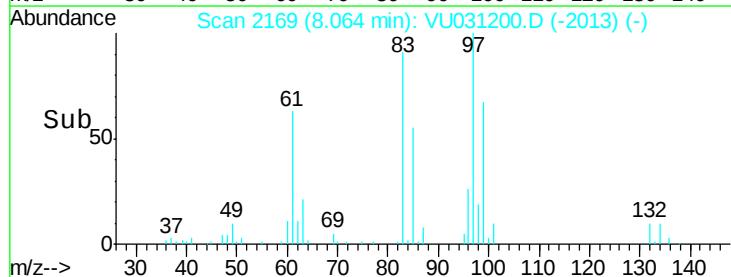
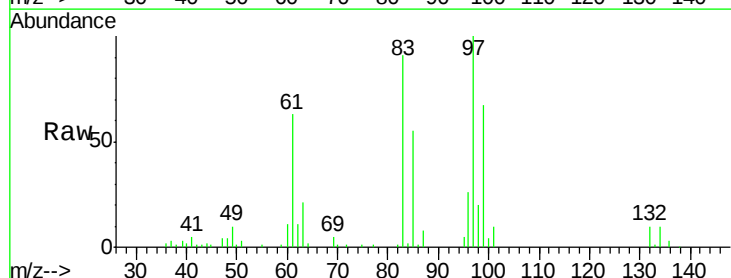
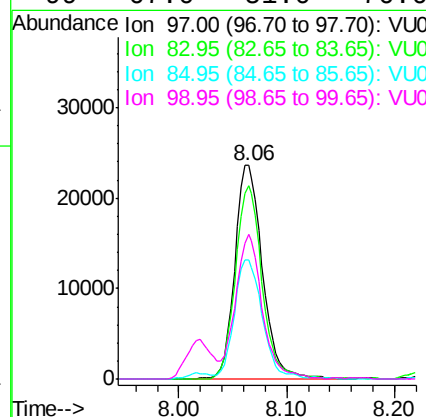
Manual Integrations
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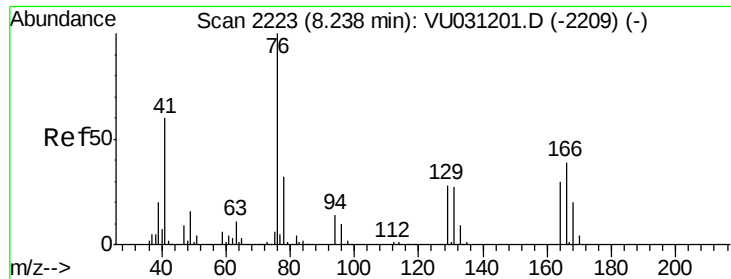
MMDadoda
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#52
 1,1,2-Trichloroethane
 Concen: 5.062 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.6	71.5	107.3
85	55.5	46.7	70.1
99	67.0	51.0	76.6





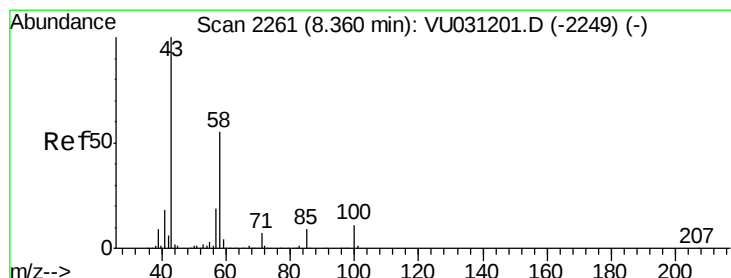
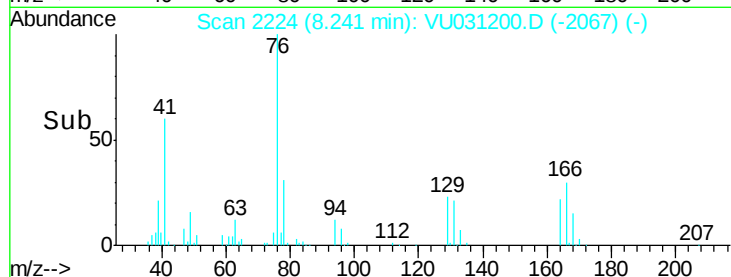
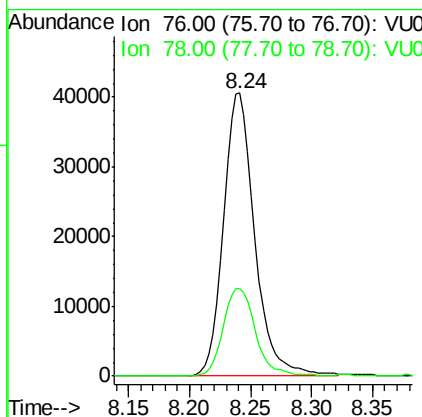
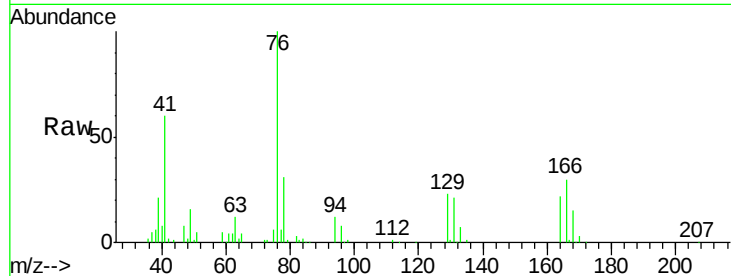
#53
 1,3-Dichloropropane
 Concen: 5.045 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 73118
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.3 37.9

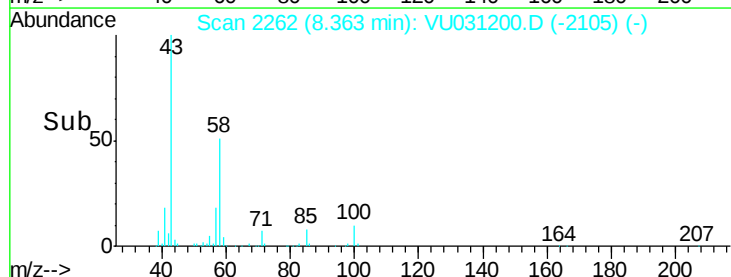
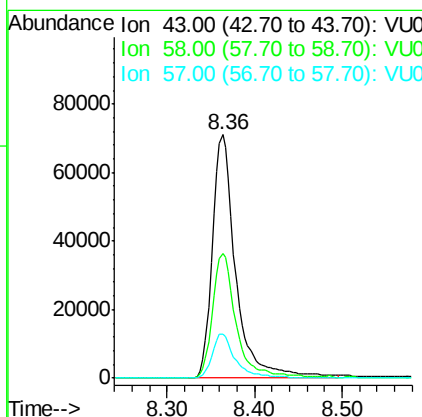
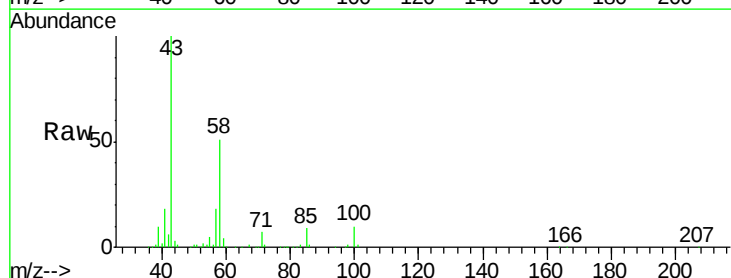
Manual Integrations
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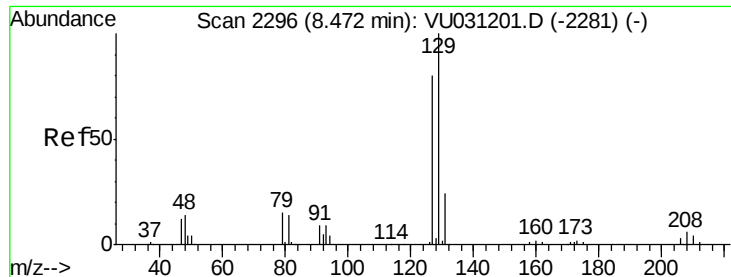
MMDadoda
 4/16/2019 3:23:22 PM



#54
 2-Hexanone
 Concen: 24.222 ug/l
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Tgt Ion: 43 Resp: 132638
 Ion Ratio Lower Upper
 43 100
 58 50.8 35.5 75.5
 57 18.2 0.0 38.7





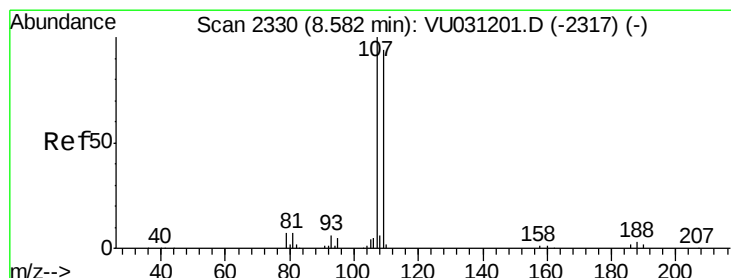
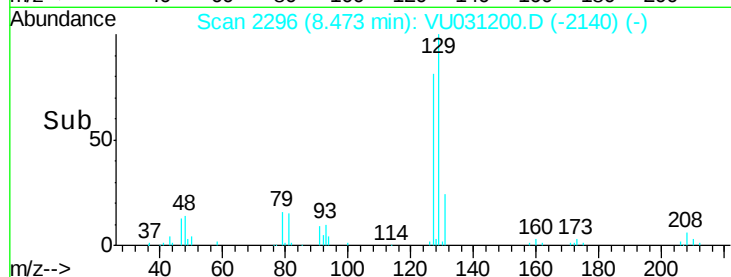
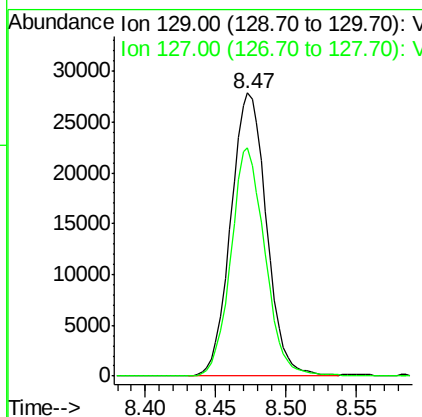
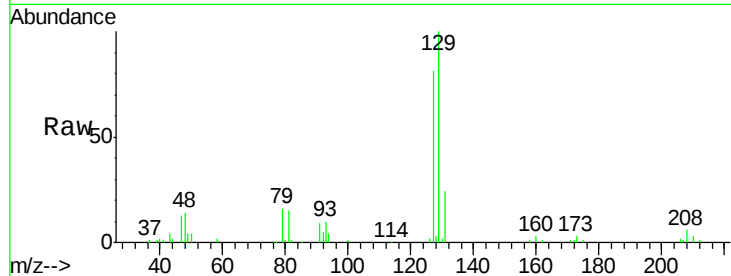
#55
 Dibromochloromethane
 Concen: 5.249 ug/l
 RT: 8.47 min Scan# 2296
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:129 Resp: 49378
 Ion Ratio Lower Upper
 129 100
 127 76.9 62.2 93.2

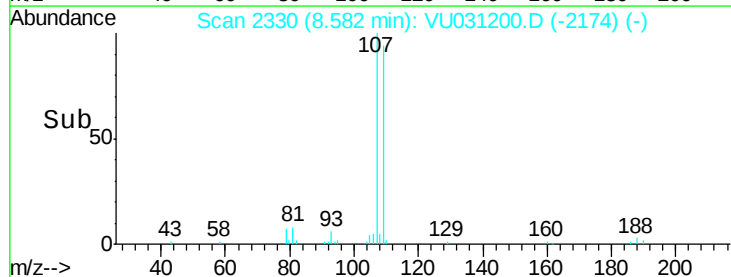
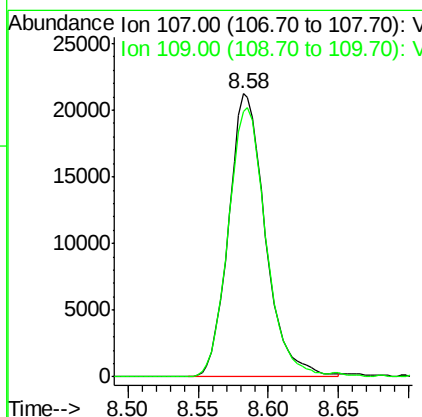
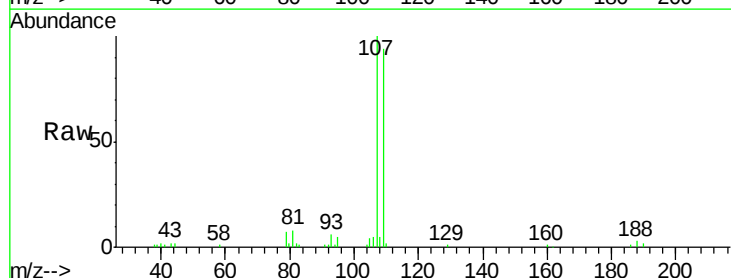
Manual Integrations
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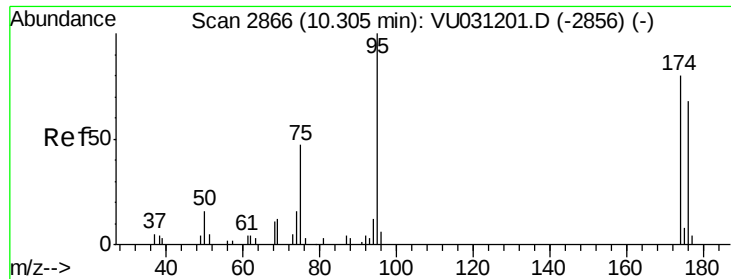
MMDadoda
 4/16/2019 3:23:22 PM



#56
 1,2-Dibromoethane
 Concen: 5.181 ug/l
 RT: 8.58 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Tgt Ion:107 Resp: 38712
 Ion Ratio Lower Upper
 107 100
 109 97.3 0.0 189.0





#57

4-Bromofluorobenzene

Concen: 5.181 ug/l

RT: 10.31 min Scan# 2867

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 95 Resp: 13258

Ion Ratio Lower Upper

95 100

174 79.6 64.2 96.2

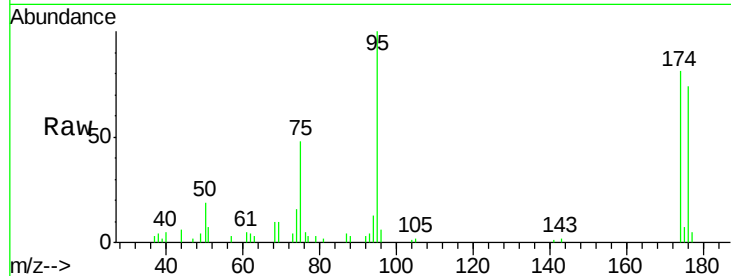
176 73.8 58.0 87.0

Manual Integrations

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MMDadoda

4/16/2019 3:23:22 PM

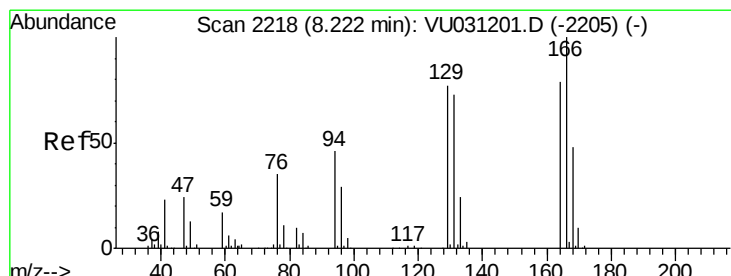
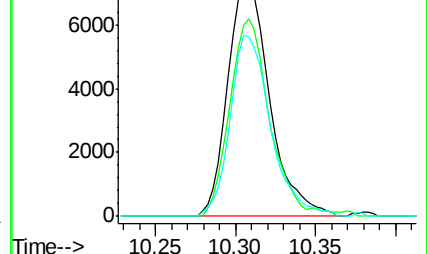
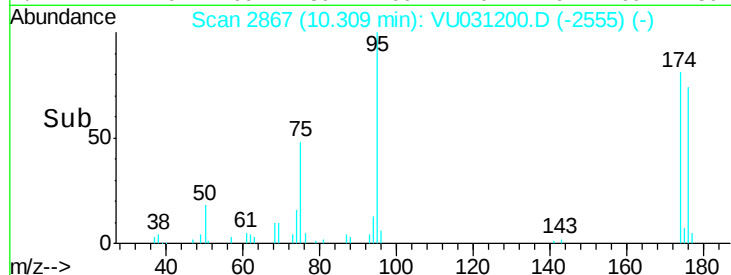


Abundance Ion 95.00 (94.70 to 95.70): VU031200.D (-2555) (-)

Ion 174.00 (173.70 to 174.70): VU031200.D (-2555) (-)

Ion 176.00 (175.70 to 176.70): VU031200.D (-2555) (-)

Time-->



#58

Tetrachloroethene

Concen: 5.408 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Tgt Ion: 164 Resp: 50748

Ion Ratio Lower Upper

164 100

166 130.5 100.9 151.3

129 95.2 77.6 116.4

131 94.8 73.5 110.3

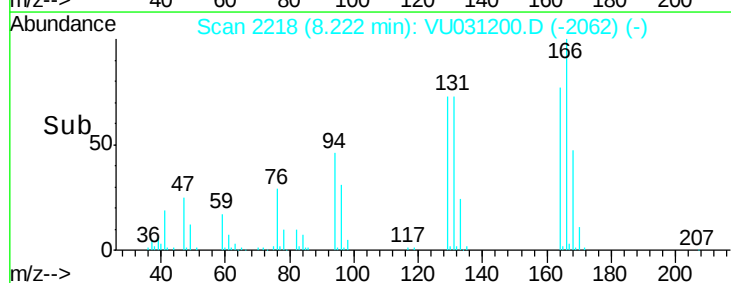
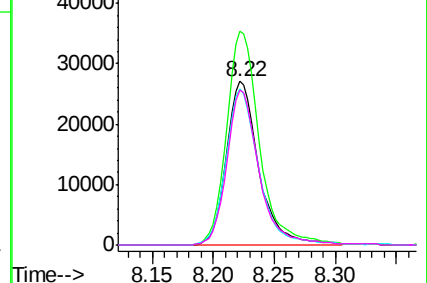
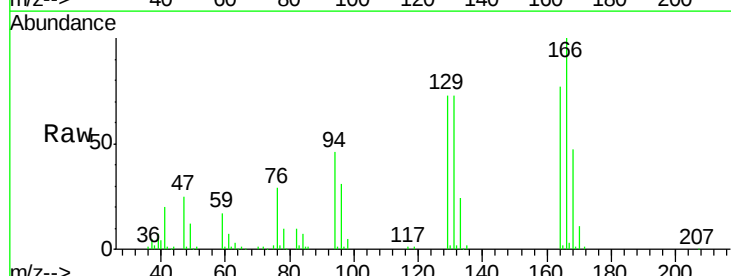
Abundance Ion 163.85 (163.55 to 164.55): VU031200.D (-2062) (-)

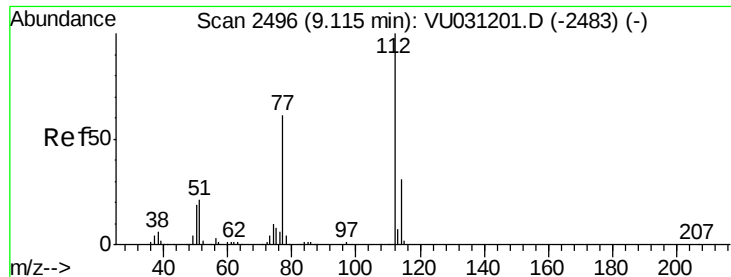
Ion 165.80 (165.50 to 166.50): VU031200.D (-2062) (-)

Ion 128.90 (128.60 to 129.60): VU031200.D (-2062) (-)

Ion 130.90 (130.60 to 131.60): VU031200.D (-2062) (-)

Time-->





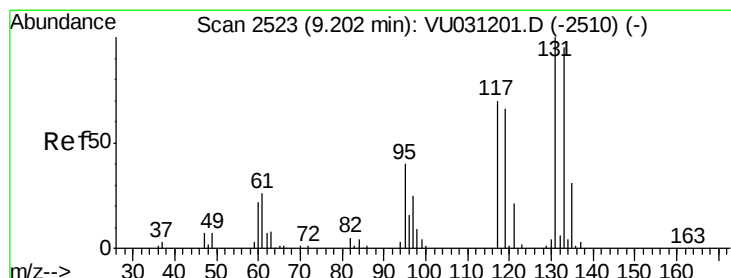
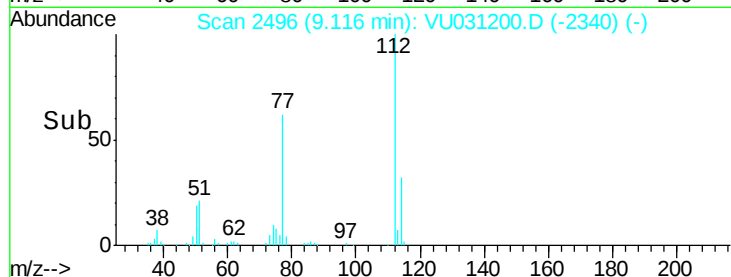
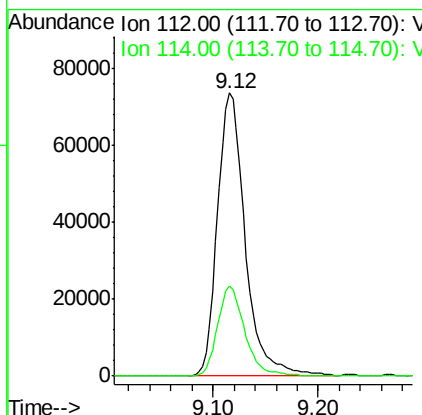
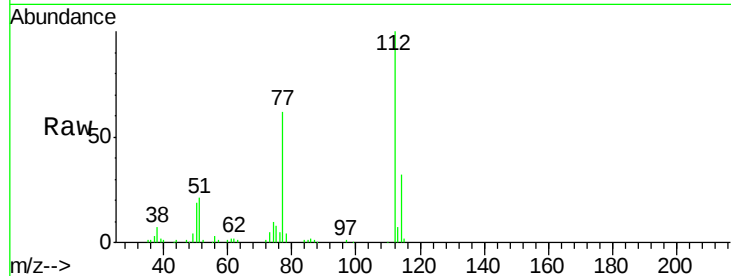
#59
Chlorobenzene
Concen: 5.210 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031200.D
Acq: 15 Apr 2019 21:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	24.4	36.6

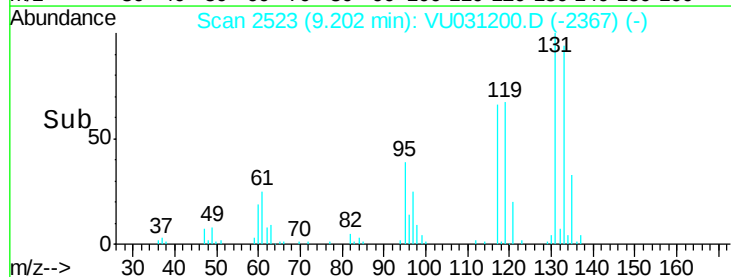
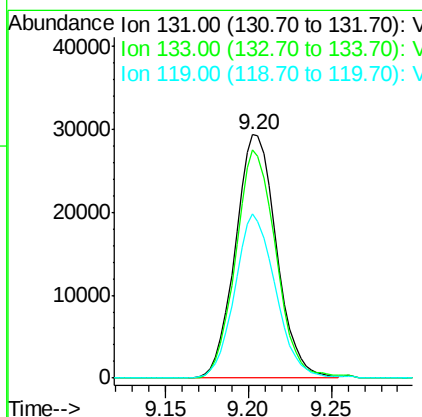
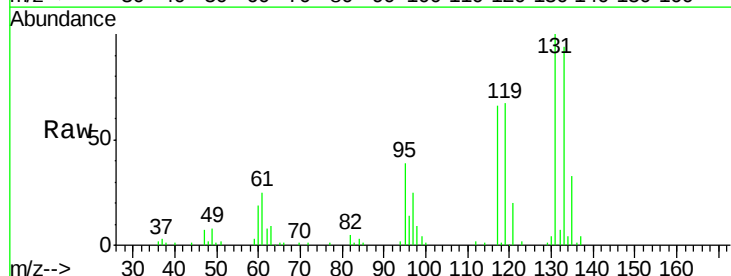
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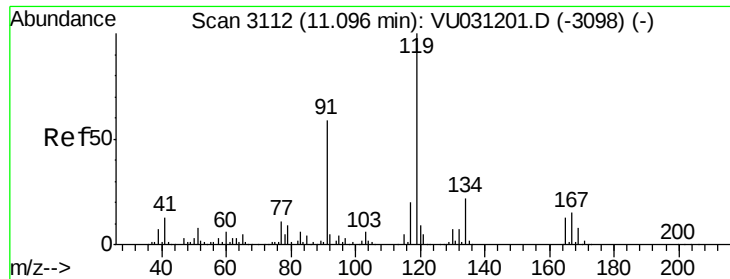
MMDadoda
4/16/2019 3:23:22 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 5.190 ug/l
RT: 9.20 min Scan# 2523
Delta R.T. 0.00 min
Lab File: VU031200.D
Acq: 15 Apr 2019 21:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.8	77.2	115.8
119	66.8	51.4	77.2





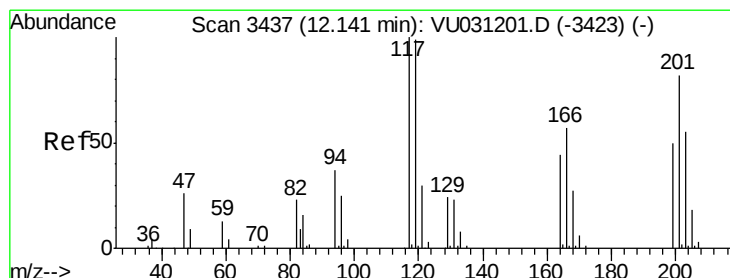
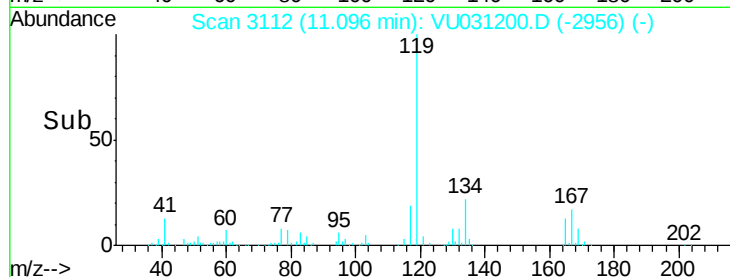
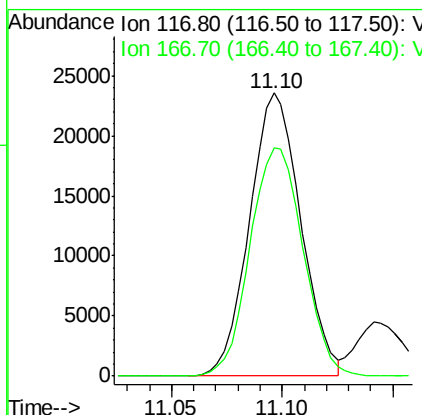
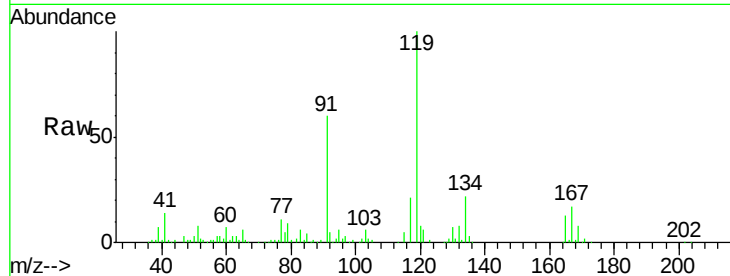
#61
 Pentachloroethane
 Concen: 5.069 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:117 Resp: 37939
 Ion Ratio Lower Upper
 117 100
 167 83.4 63.1 94.7

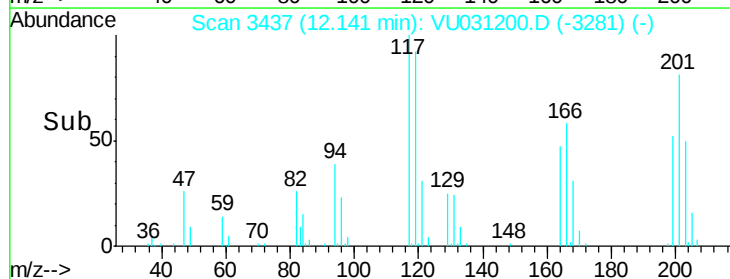
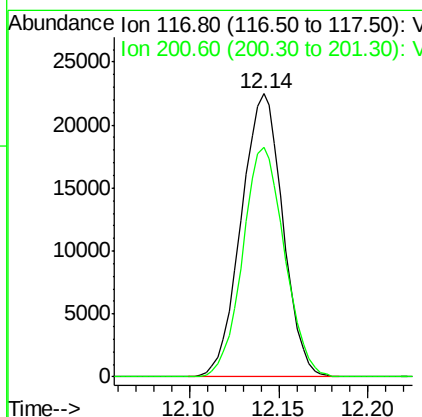
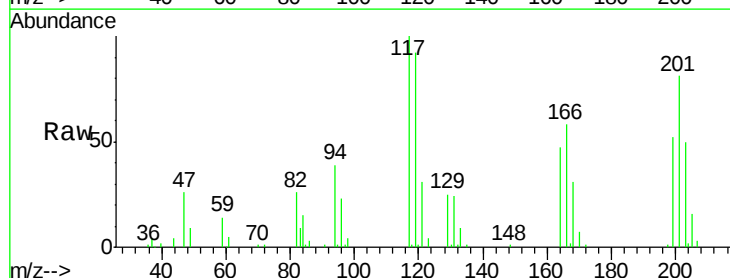
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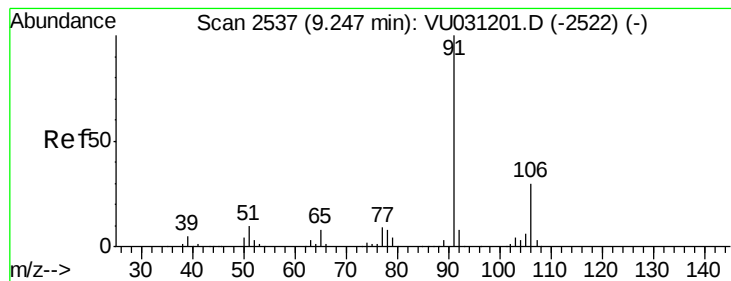
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#62
 Hexachloroethane
 Concen: 5.154 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Tgt Ion:117 Resp: 36656
 Ion Ratio Lower Upper
 117 100
 201 81.6 63.9 95.9





#63

Ethyl Benzene

Concen: 5.153 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 220886

Ion Ratio Lower Upper

91 100

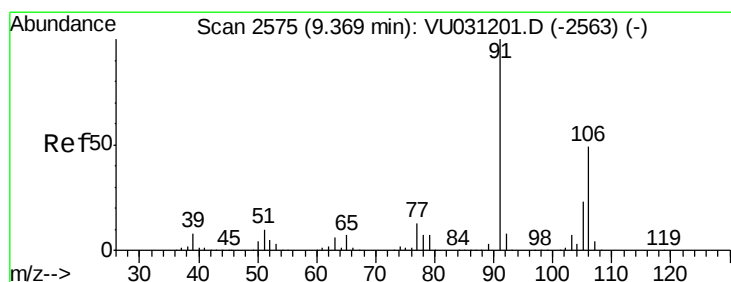
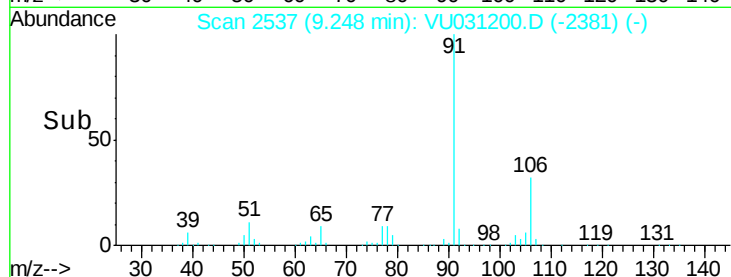
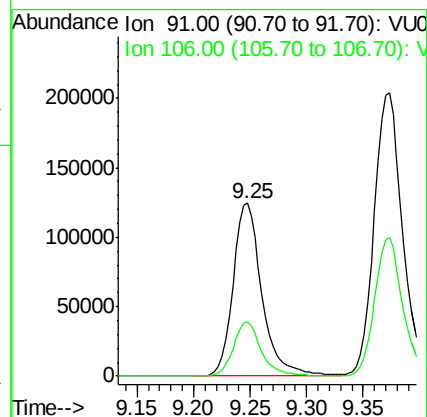
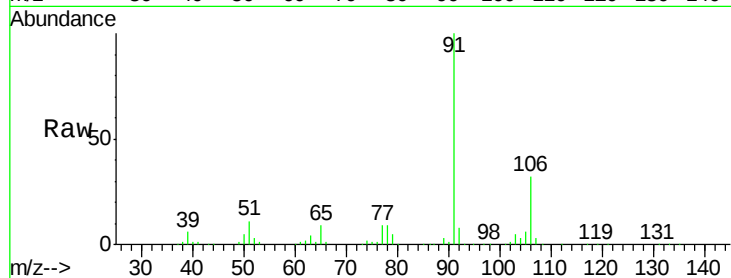
106 31.7 24.3 36.5

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#64

m/p-Xylenes

Concen: 11.231 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031200.D

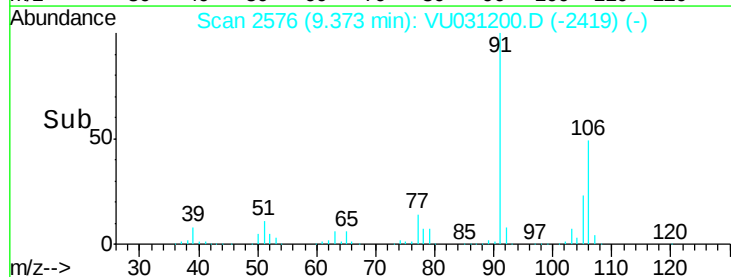
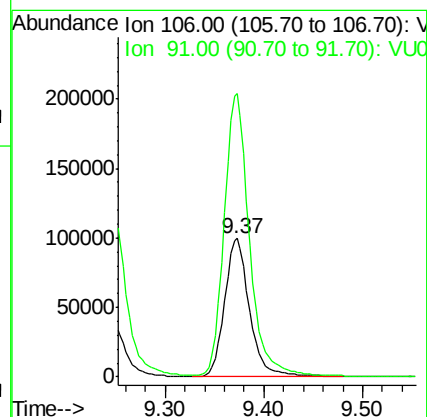
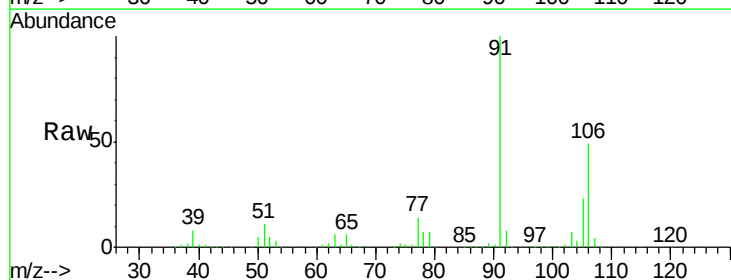
Acq: 15 Apr 2019 21:54

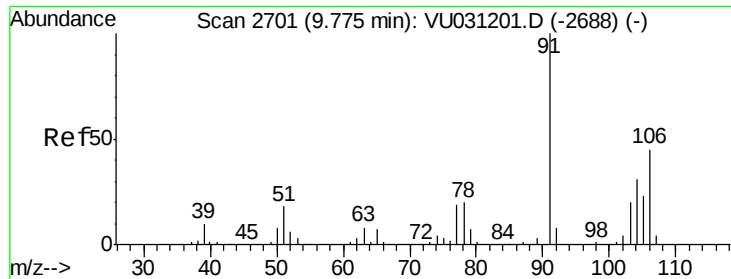
Tgt Ion: 106 Resp: 176018

Ion Ratio Lower Upper

106 100

91 209.5 165.7 248.5





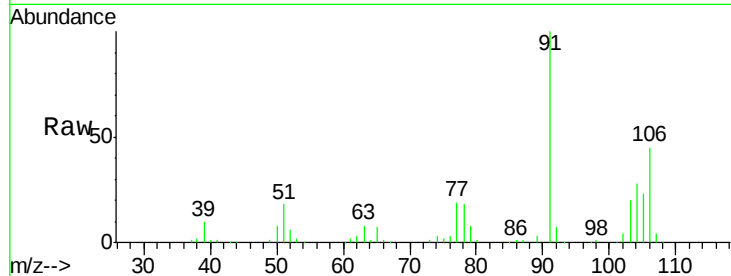
#65
o-Xylene
Concen: 5.466 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU031200.D
Acq: 15 Apr 2019 21:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

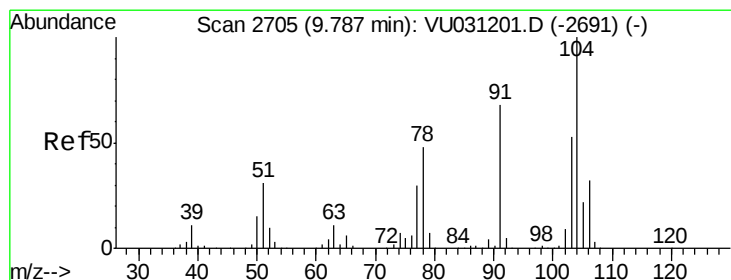
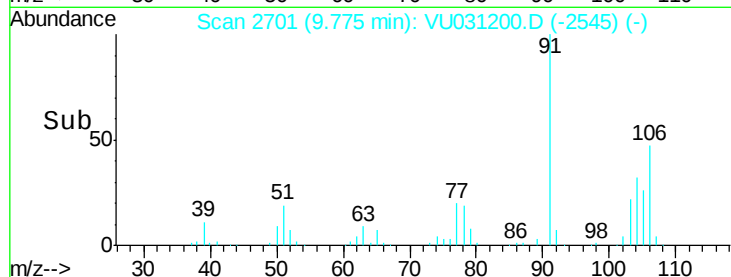
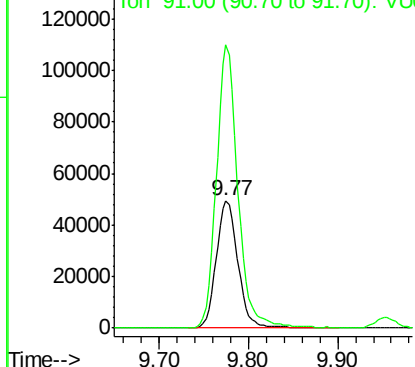
Tot Ion:106 Resp: 83254
Ion Ratio Lower Upper
106 100
91 219.2 111.3 333.8

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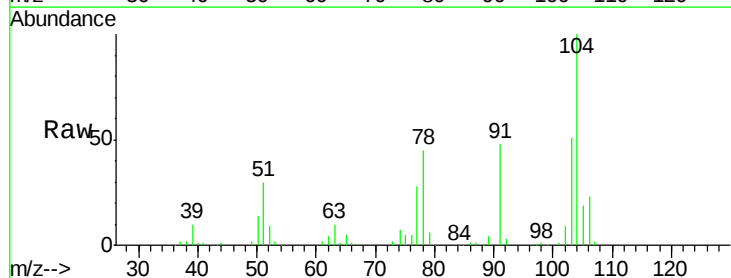


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

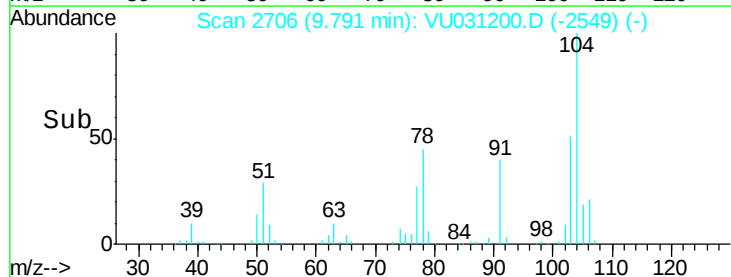
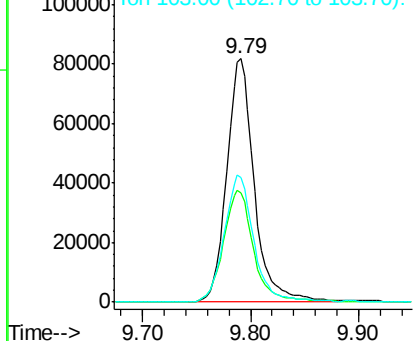


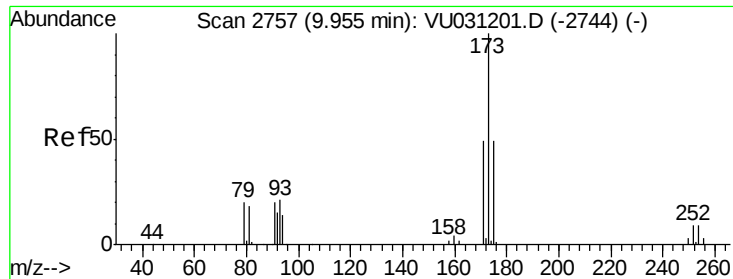
#66
Styrene
Concen: 5.531 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU031200.D
Acq: 15 Apr 2019 21:54

Tgt Ion:104 Resp: 145454
Ion Ratio Lower Upper
104 100
78 50.6 41.4 62.0
103 56.2 45.0 67.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 5.260 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Instrument :

MSVOA_U

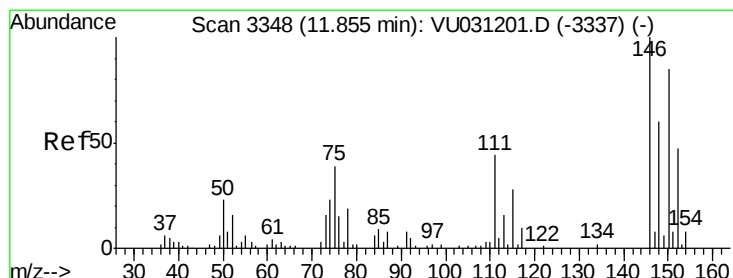
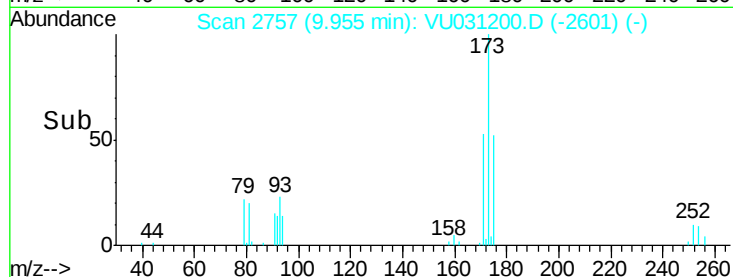
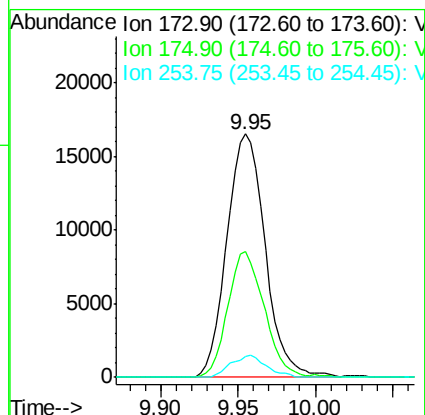
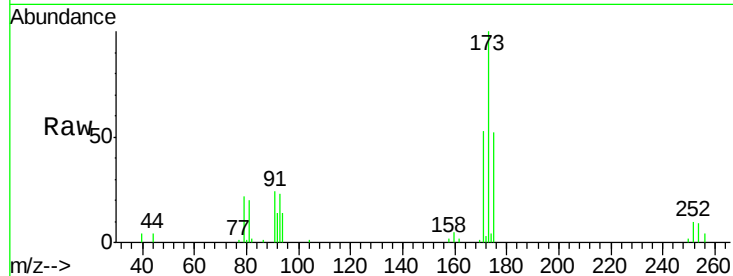
ClientSampleId :

VSTDIC005

Tot Ion:	173	Resp:	28441
Ion Ratio	Lower	Upper	
173	100		
175	48.9	38.0	57.0
254	8.3	7.1	10.7

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#68

1,2-Dichlorobenzene-d4

Concen: 5.260 ug/l

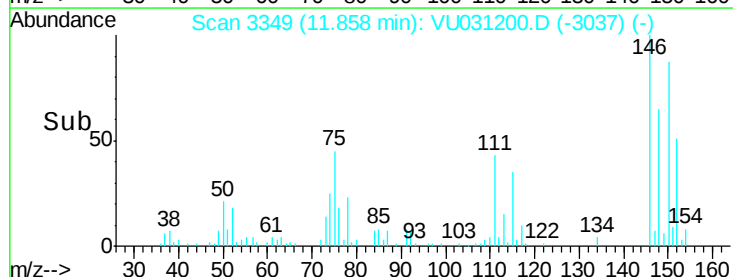
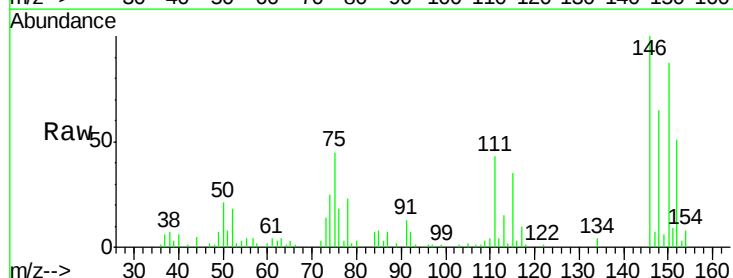
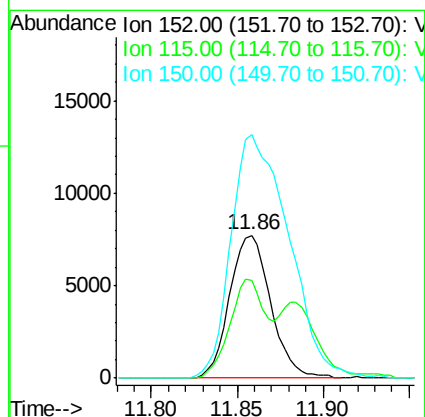
RT: 11.86 min Scan# 3349

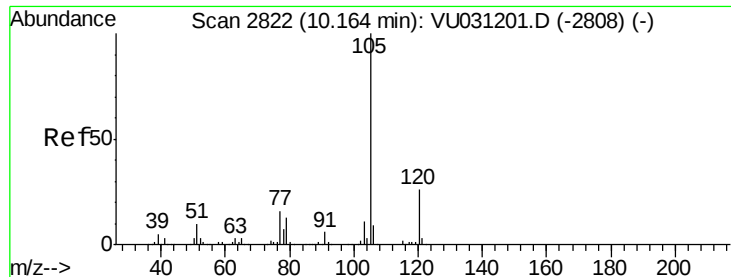
Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Tgt Ion:	152	Resp:	12797
Ion Ratio	Lower	Upper	
152	100		
115	61.6	0.0	130.0
150	239.9	0.0	639.0





#69

Isopropylbenzene

Concen: 5.403 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 219580

Ion Ratio Lower Upper

105 100

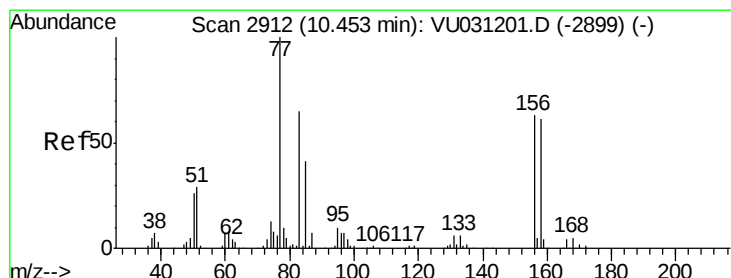
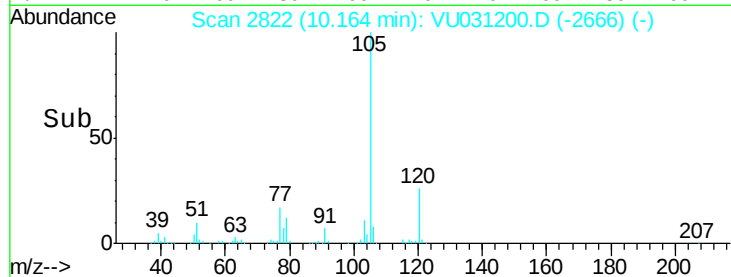
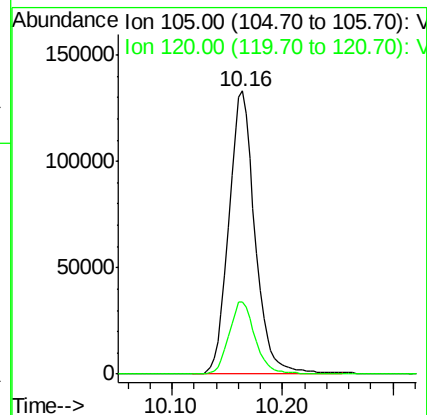
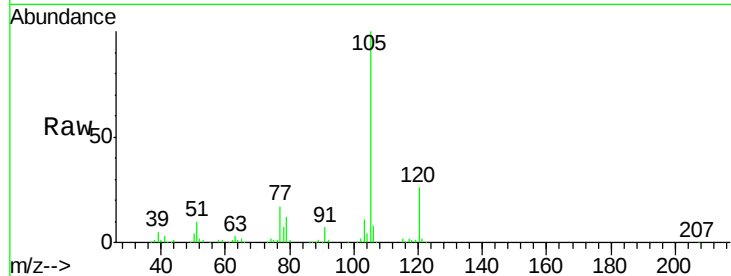
120 25.6 12.8 38.3

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 4.956 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

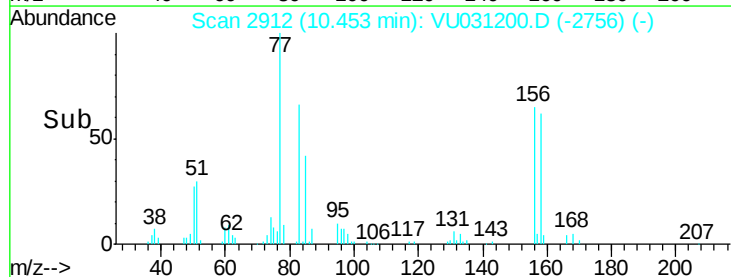
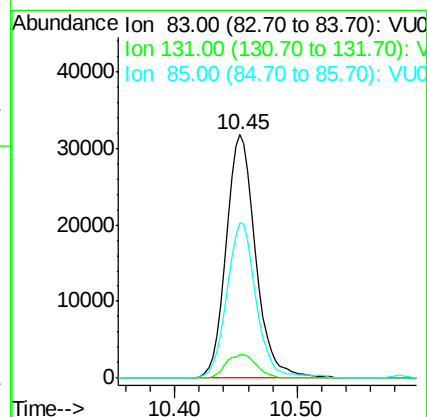
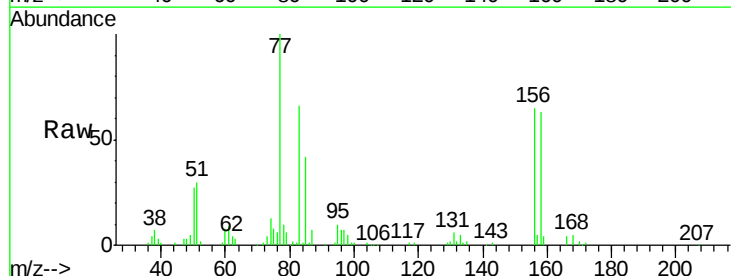
Tgt Ion: 83 Resp: 53961

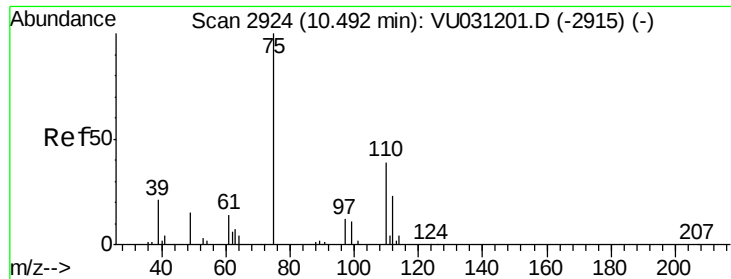
Ion Ratio Lower Upper

83 100

131 9.9 8.0 12.0

85 63.3 51.3 76.9





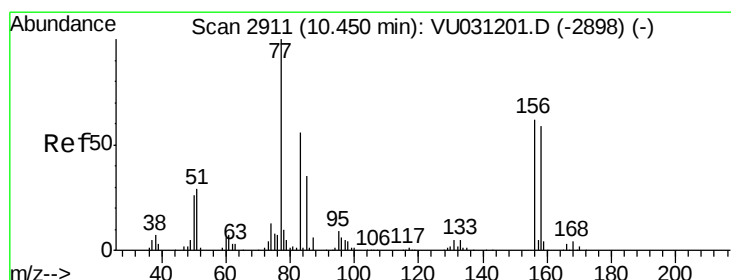
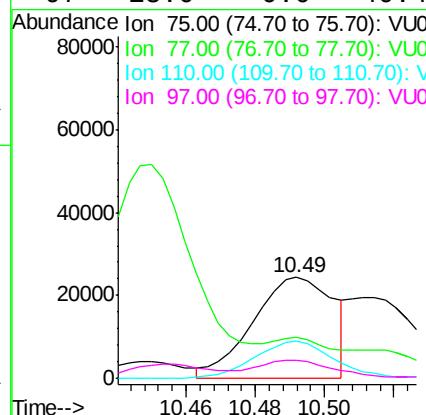
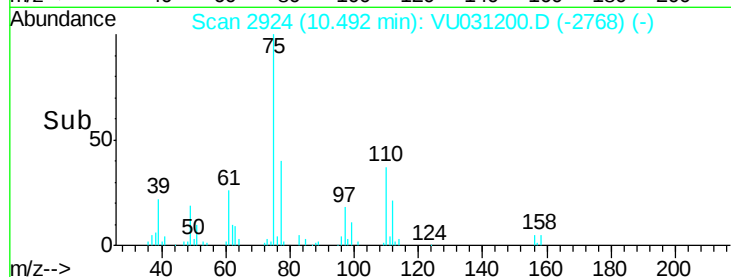
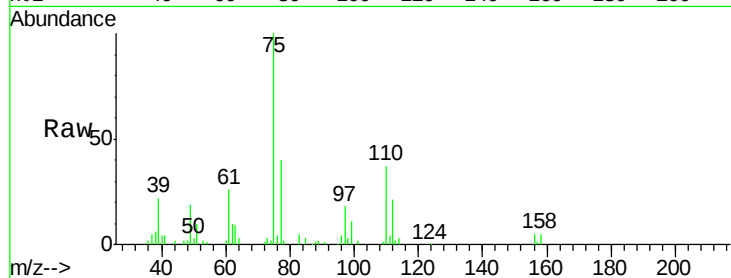
#71
 1,2,3-Trichloropropane
 Concen: 4.777 ug/l m
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
75	100		39543		
77	0.0	0.0	0.0		
110	35.8	0.0	71.0		
97	18.0	0.0	40.4		

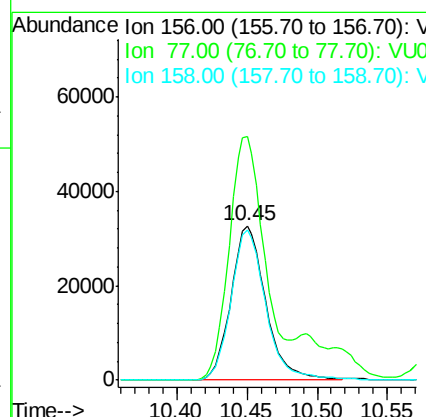
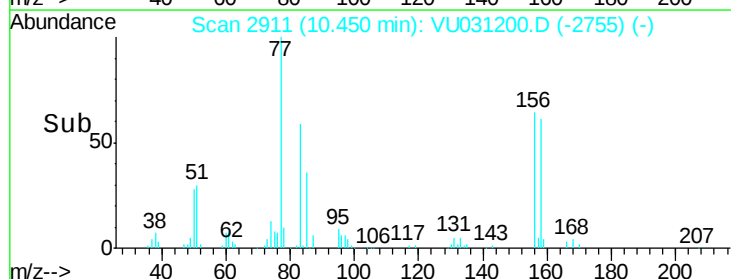
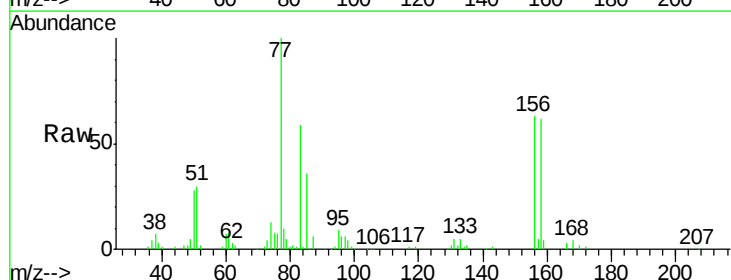
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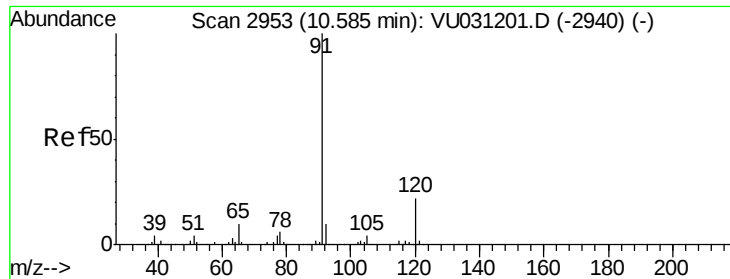
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#72
 Bromobenzene
 Concen: 5.478 ug/l
 RT: 10.45 min Scan# 2911
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
156	100		56281		
77	159.7	0.0	322.6		
158	97.5	0.0	191.0		





#73

n-propylbenzene

Concen: 5.495 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:120 Resp: 59574

Ion Ratio Lower Upper

120 100

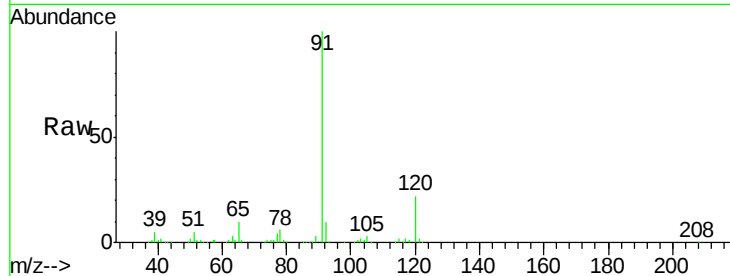
91 452.5 364.9 547.3

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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0

200000

150000

100000

50000

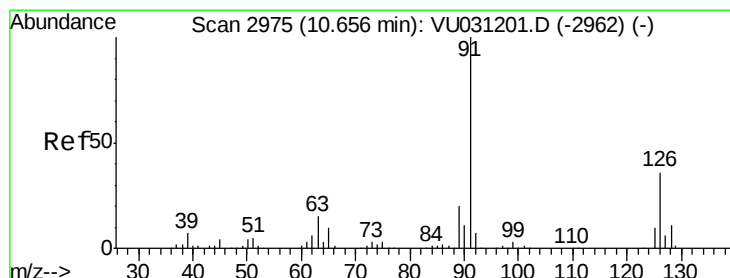
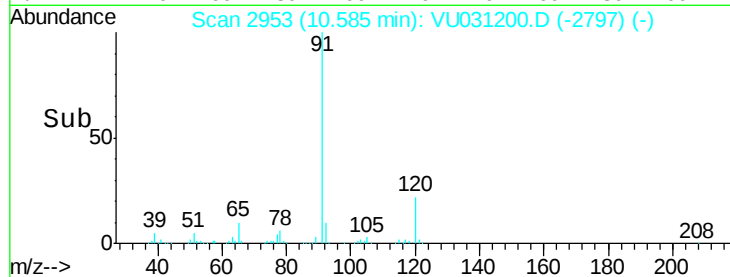
0

10.50

10.60

10.70

Time-->



#74

2-Chlorotoluene

Concen: 5.648 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU031200.D

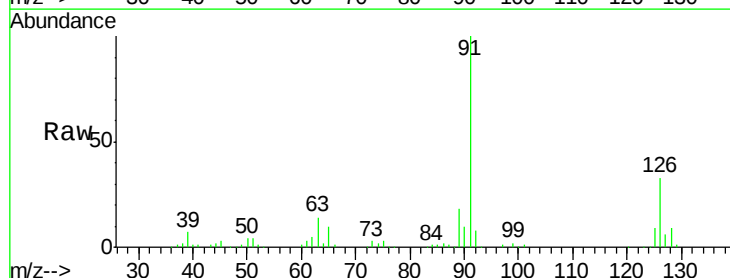
Acq: 15 Apr 2019 21:54

Tgt Ion:126 Resp: 55879

Ion Ratio Lower Upper

126 100

91 300.7 0.0 612.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

200000

150000

100000

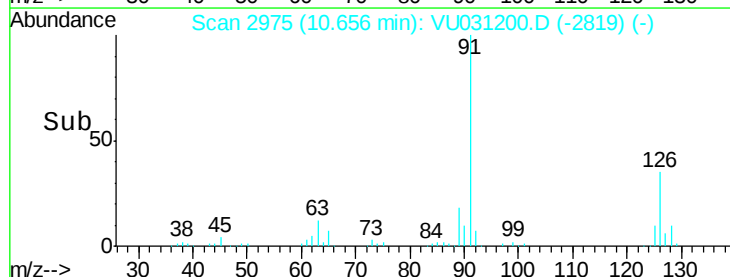
50000

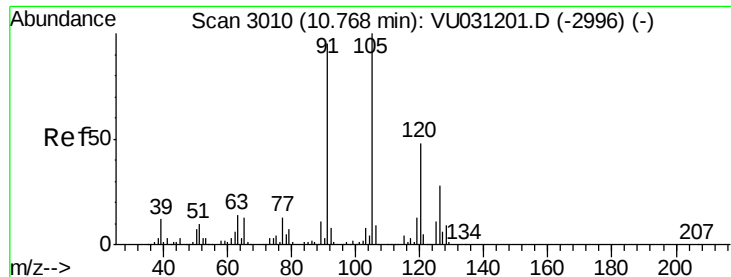
0

10.60

10.70

Time-->





#75

1,3,5-Trimethylbenzene

Concen: 5.632 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031200.D

Acq: 15 Apr 2019 21:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 193884

Ion Ratio Lower Upper

105 100

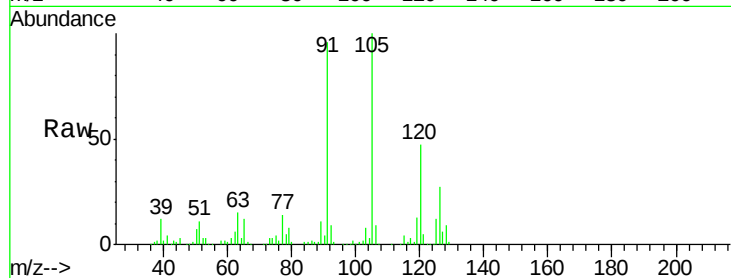
120 47.6 38.7 58.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

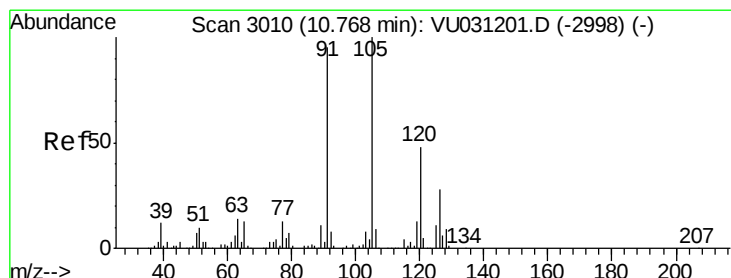
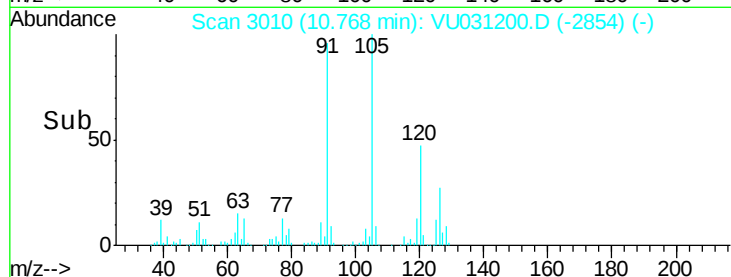
10.77

100000

50000

0

Time-->



#76

4-Chlorotoluene

Concen: 5.444 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031200.D

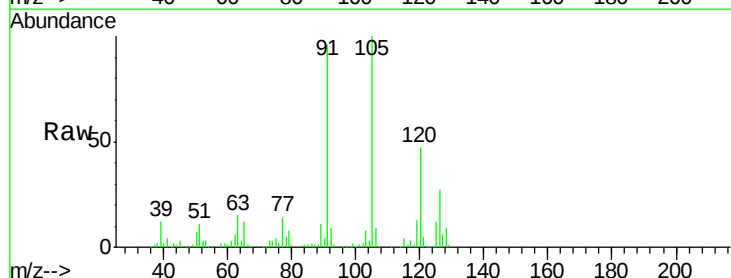
Acq: 15 Apr 2019 21:54

Tgt Ion:126 Resp: 54968

Ion Ratio Lower Upper

126 100

91 351.9 0.0 683.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

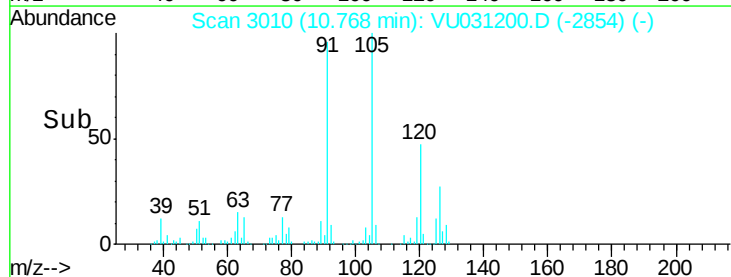
10.77

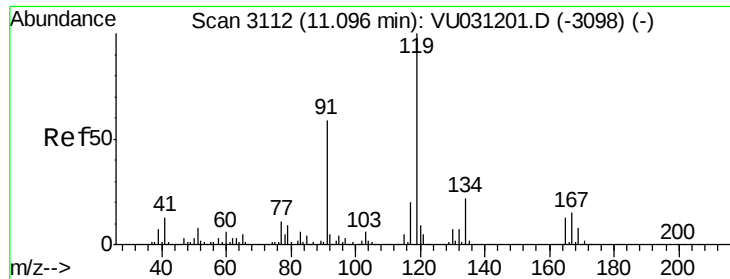
100000

50000

0

Time-->





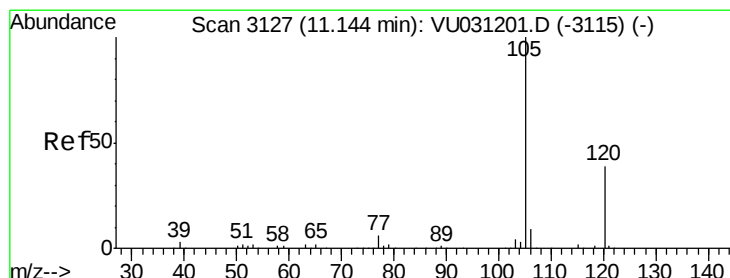
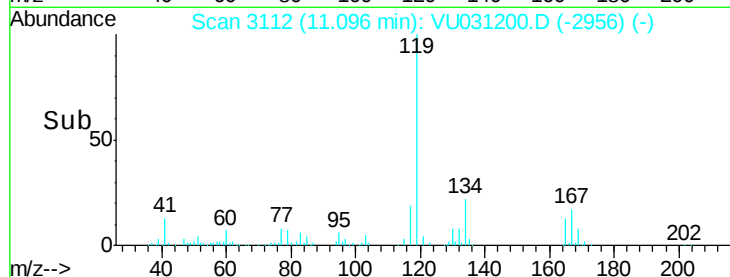
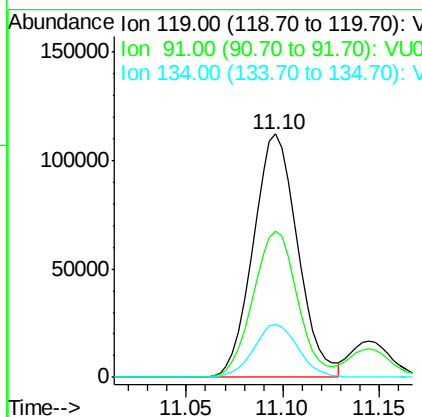
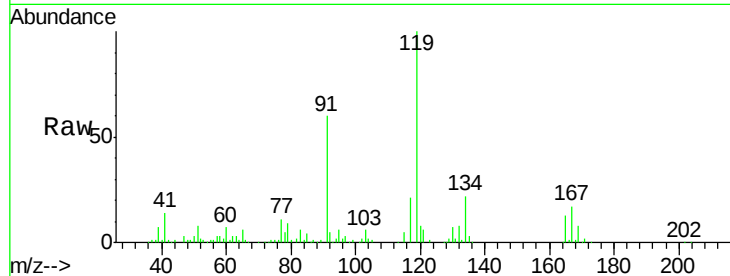
#77
 tert-Butylbenzene
 Concen: 5.360 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	179796		
91	59.9		29.4	88.3
134	21.9		17.9	26.9

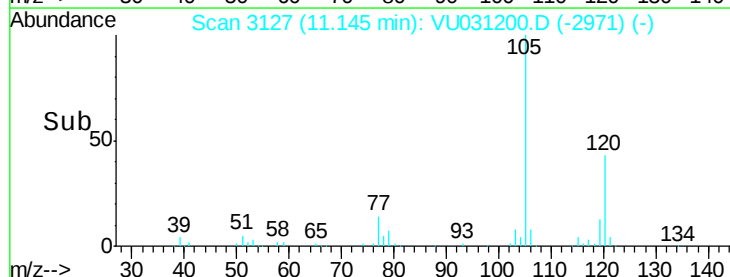
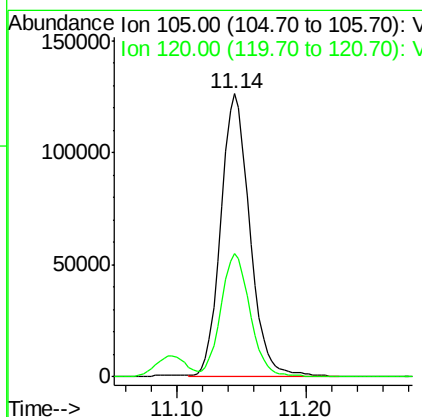
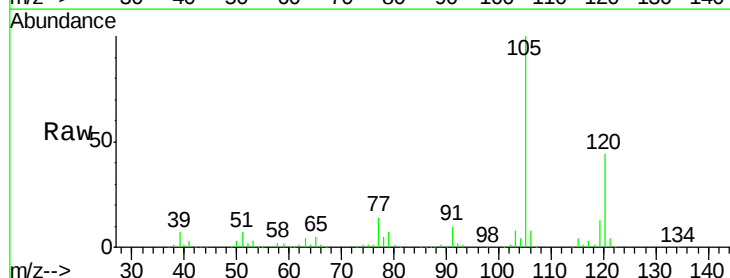
Manual Integrations
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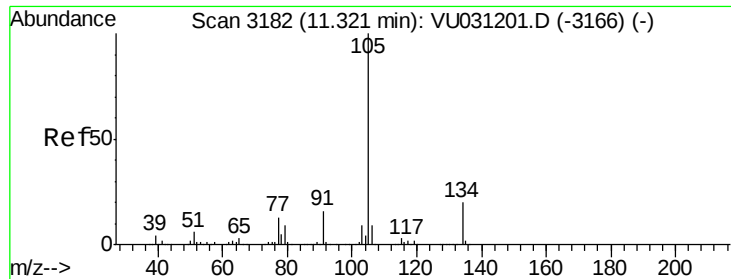
MMDadoda
 4/16/2019 3:23:22 PM



#78
 1,2,4-Trimethylbenzene
 Concen: 5.594 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	196174		
120	44.7		22.4	67.0





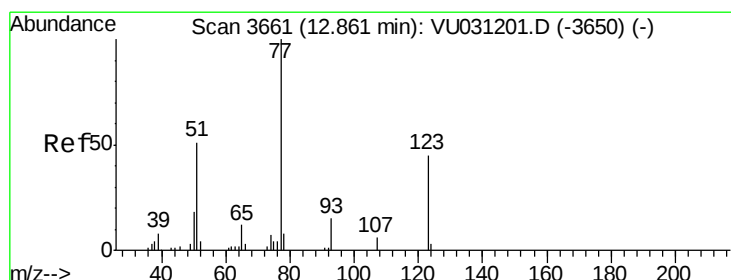
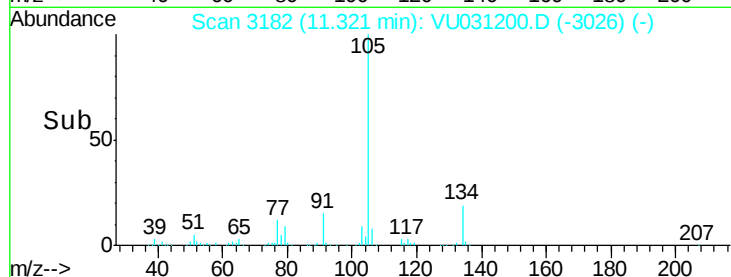
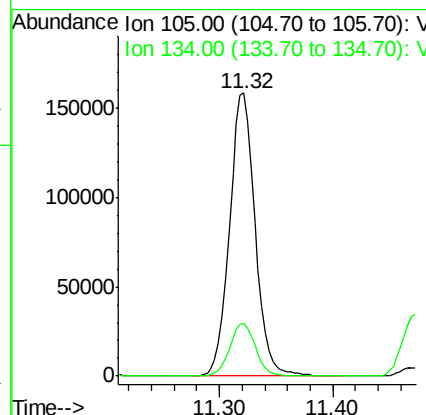
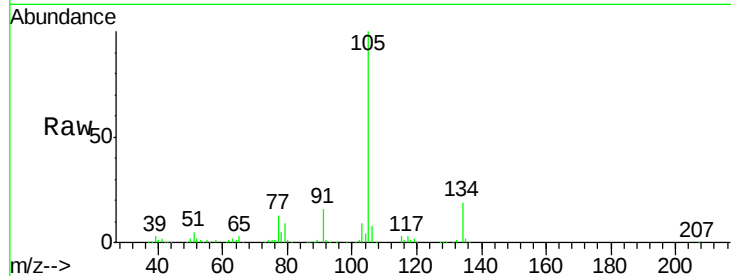
#79
 sec-Butylbenzene
 Concen: 5.455 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	15.5	23.3

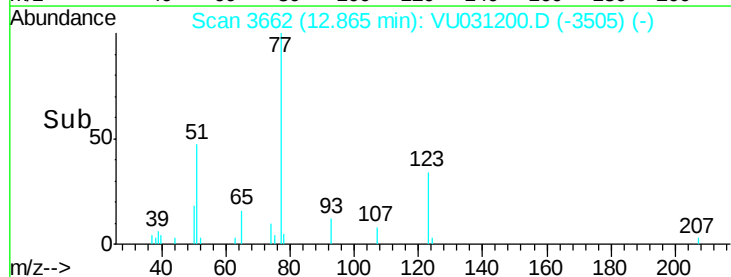
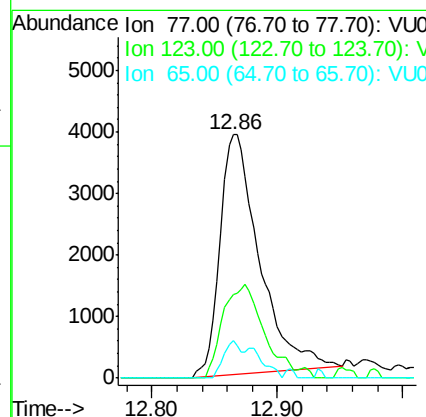
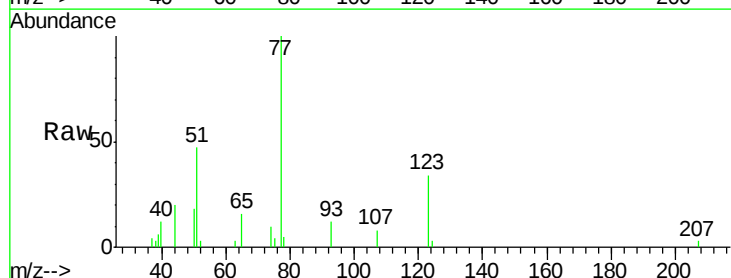
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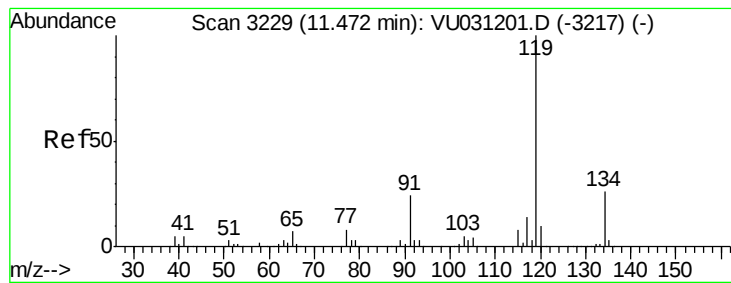
MMDadoda
 4/16/2019 3:23:22 PM



#80
 Nitrobenzene
 Concen: 26.496 ug/l
 RT: 12.86 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Tgt Ion	Ratio	Lower	Upper
77	100		
123	36.6	17.1	60.7
65	6.5	9.4	12.0





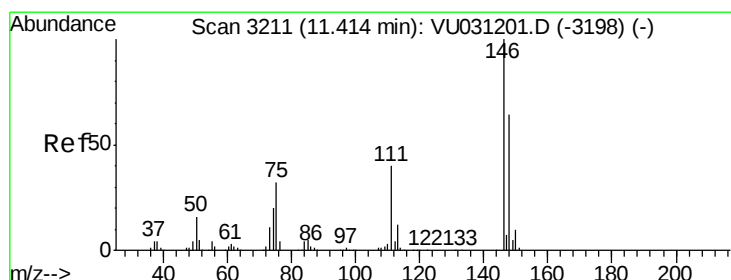
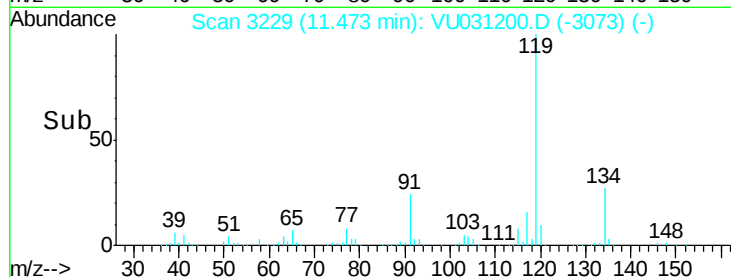
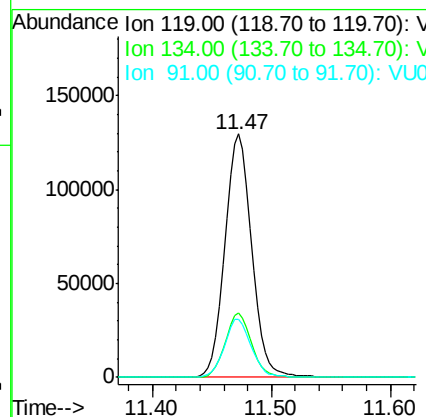
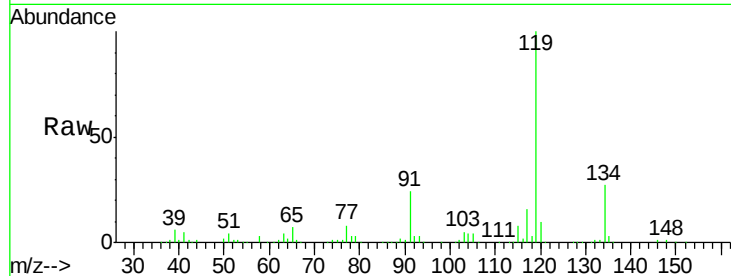
#81
 p-Isopropyltoluene
 Concen: 5.626 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.0	31.4
91	24.4	19.4	29.2

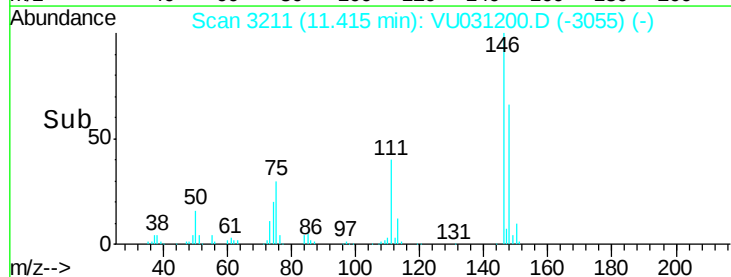
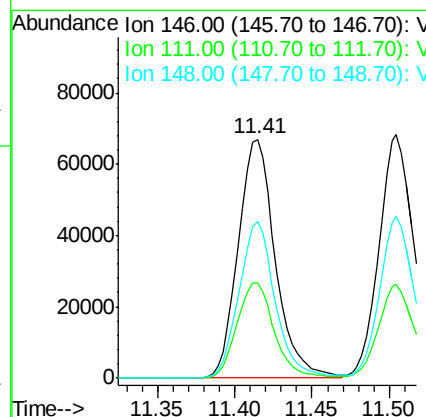
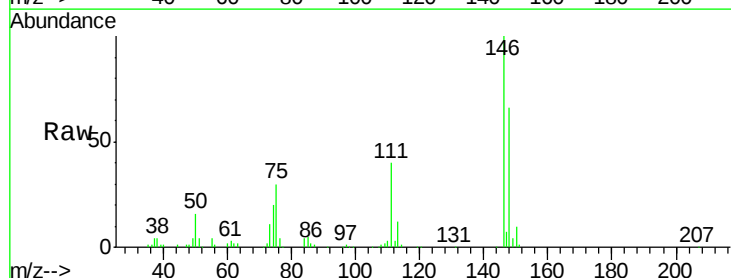
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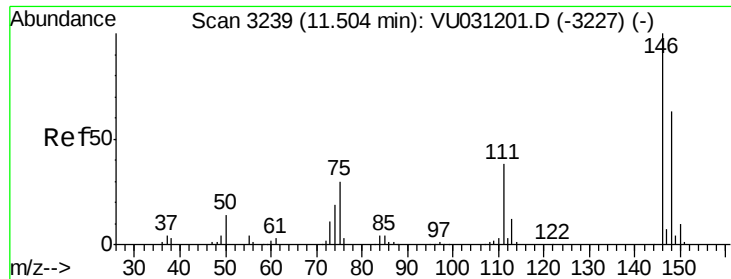
MMDadoda
 4/16/2019 3:23:22 PM



#82
 1,3-Dichlorobenzene
 Concen: 5.486 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	32.4	48.6
148	64.0	50.8	76.2





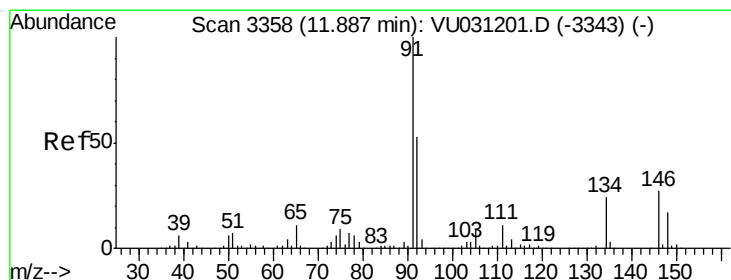
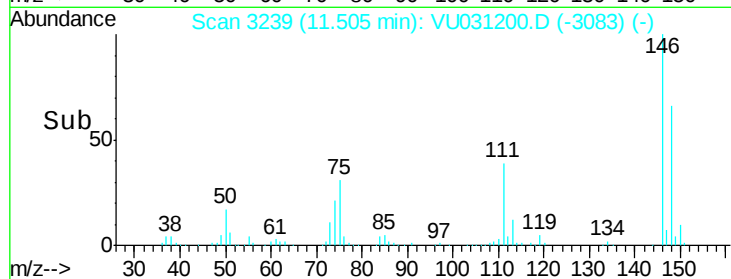
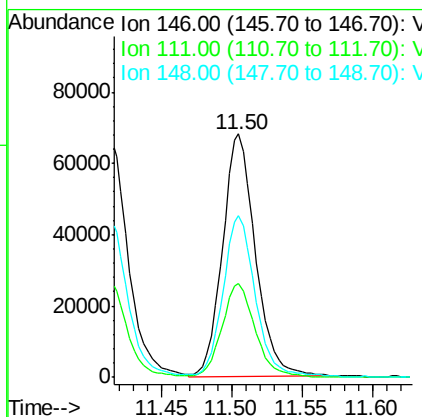
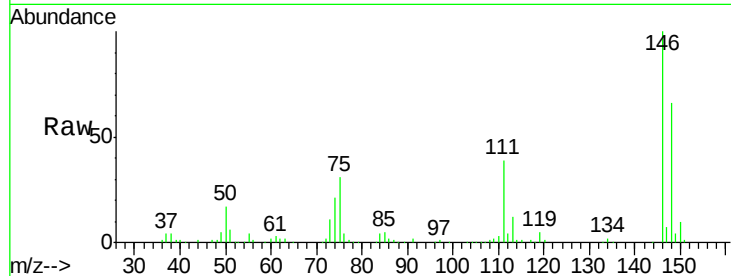
#83
 1,4-Dichlorobenzene
 Concen: 5.484 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	30.6	46.0
148	65.6	51.1	76.7

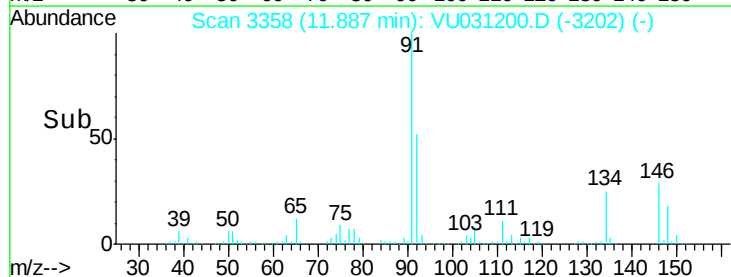
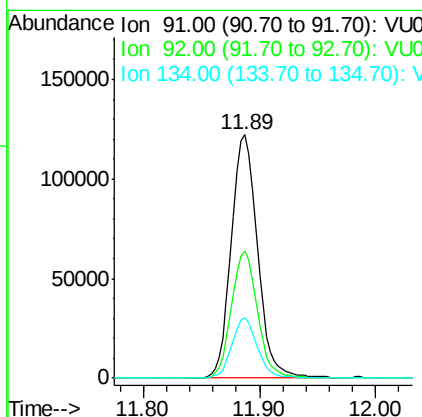
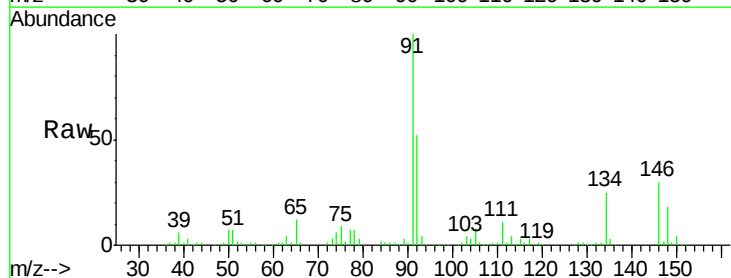
Manual Integrations
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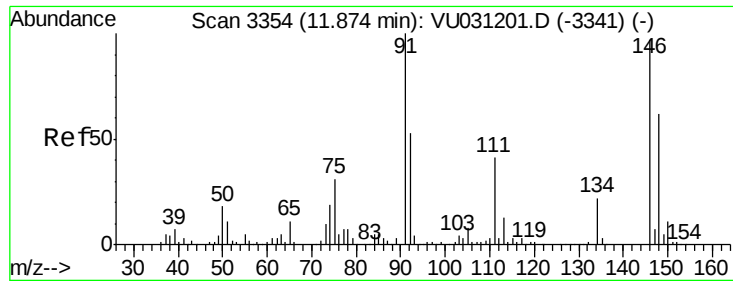
MMDadoda
 4/16/2019 3:23:22 PM



#84
 n-Butylbenzene
 Concen: 5.351 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.5	42.6	63.8
134	23.9	19.1	28.7





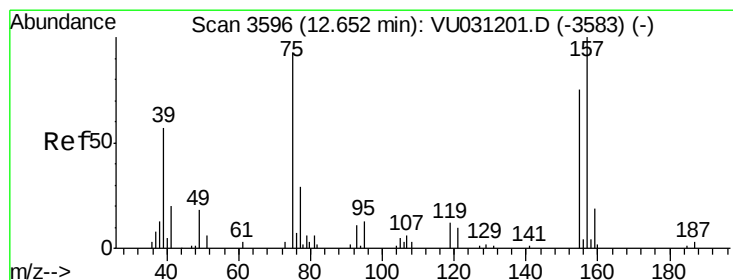
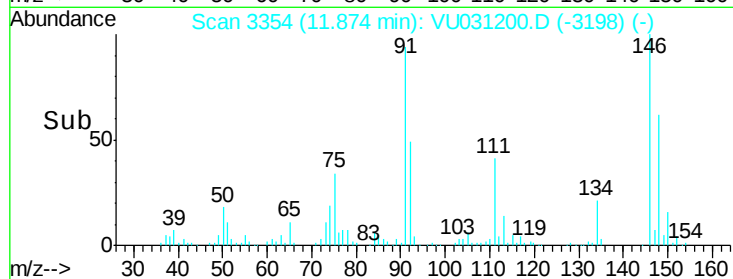
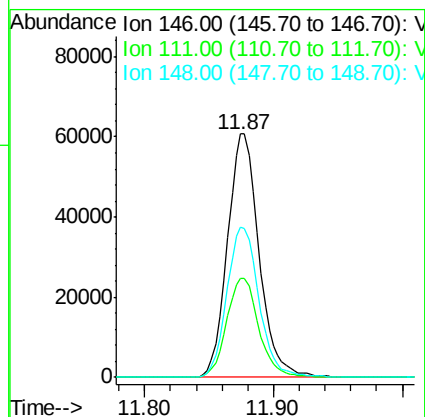
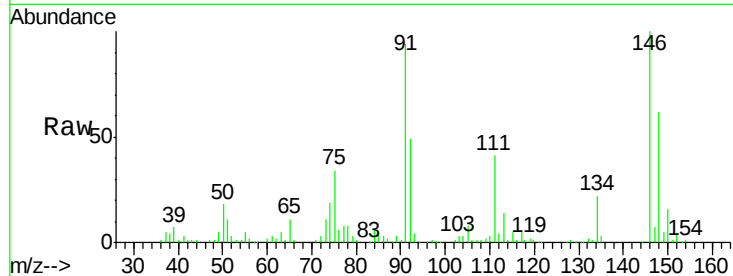
#85
 1,2-Dichlorobenzene
 Concen: 5.343 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146	100				
111	41.2	20.8	62.5		
148	62.8	31.4	94.3		

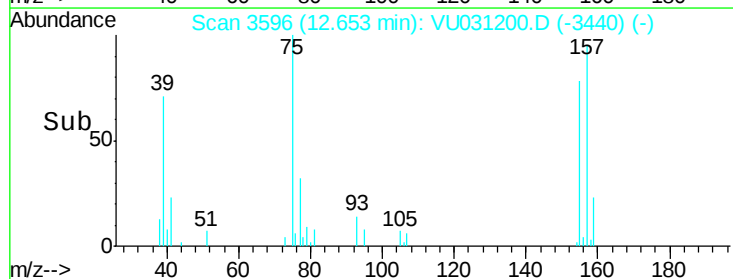
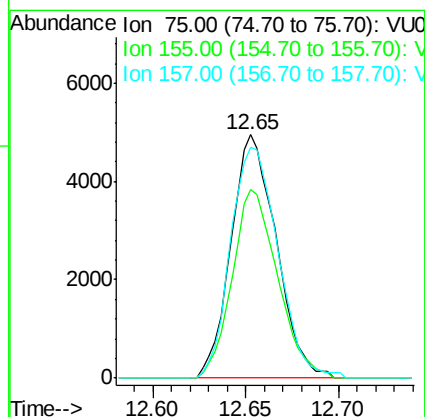
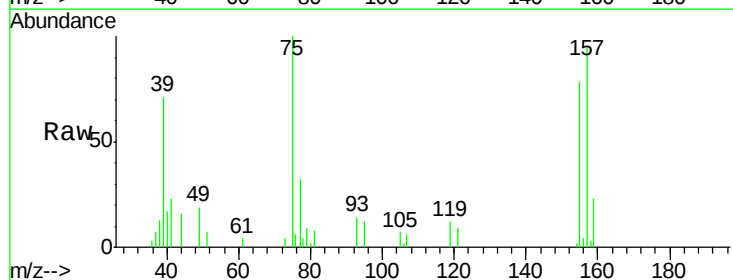
Manual Integrations
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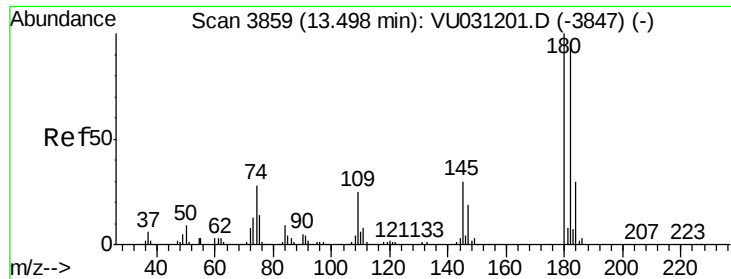
MMDadoda
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 4.928 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
75	100				
155	77.9	61.7	92.5		
157	99.3	81.3	121.9		





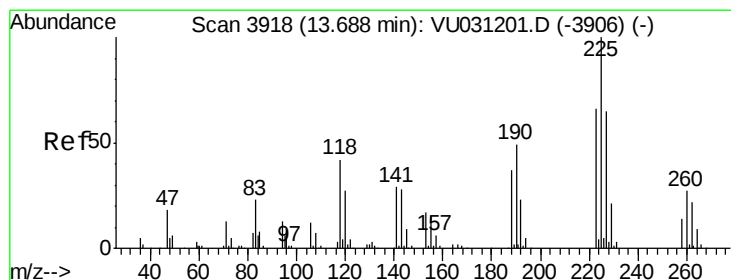
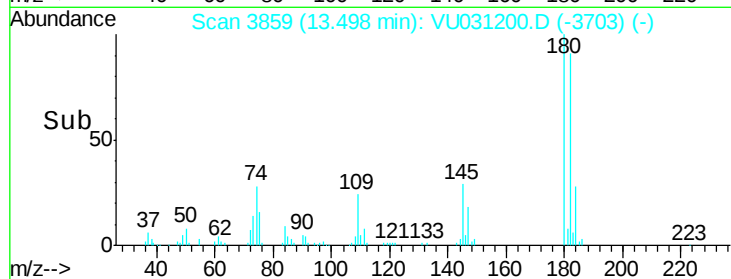
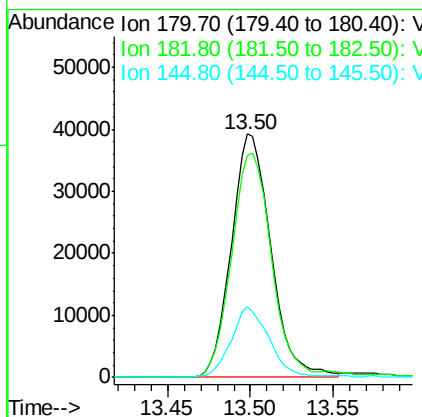
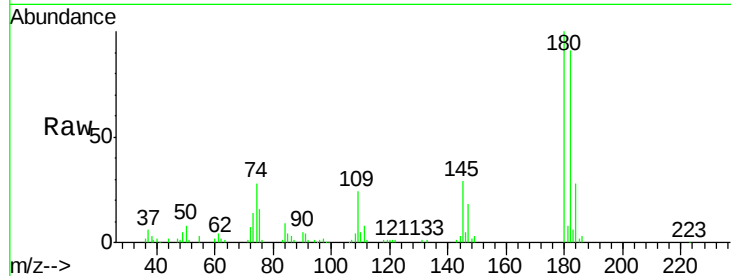
#87
 1,2,4-Trichlorobenzene
 Concen: 5.644 ug/l
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	75.0	112.6
145	27.8	23.4	35.2

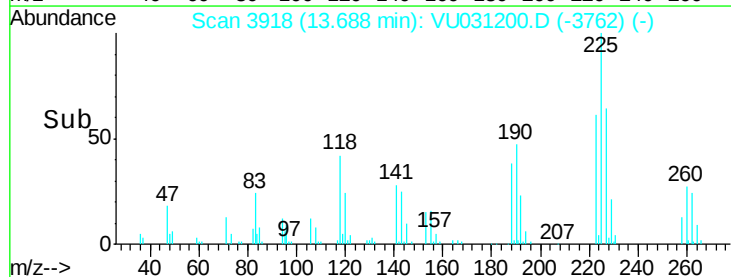
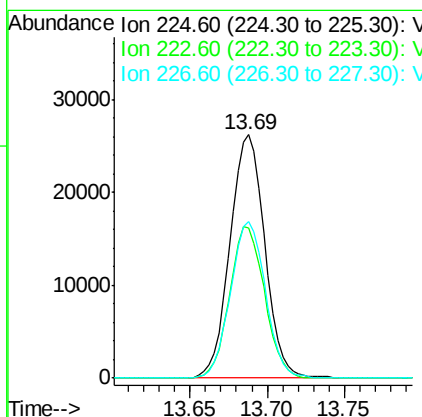
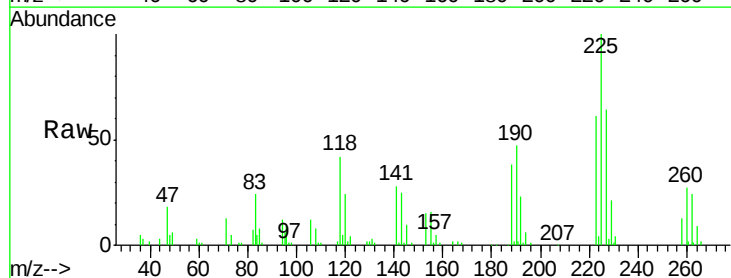
Manual Integrations
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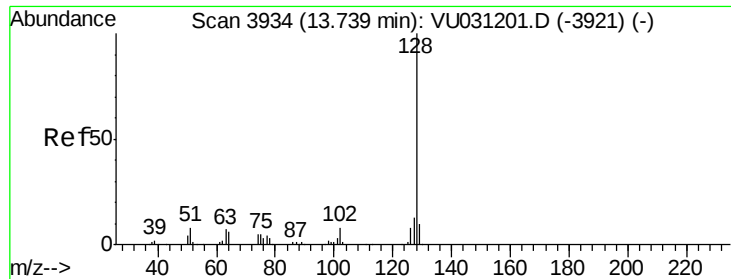
MMDadoda
 4/16/2019 3:23:22 PM



#88
 Hexachlorobutadiene
 Concen: 5.895 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU031200.D
 Acq: 15 Apr 2019 21:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	51.4	77.2
227	64.4	51.2	76.8





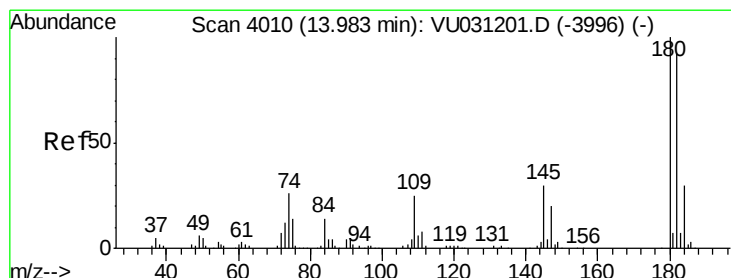
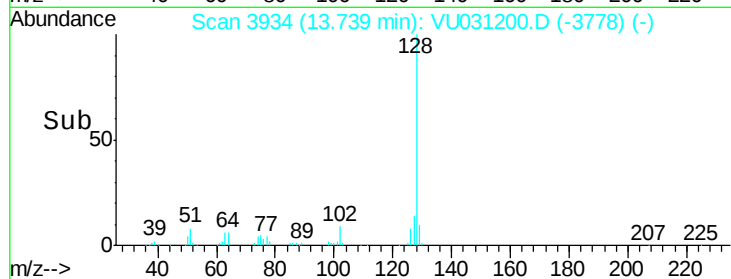
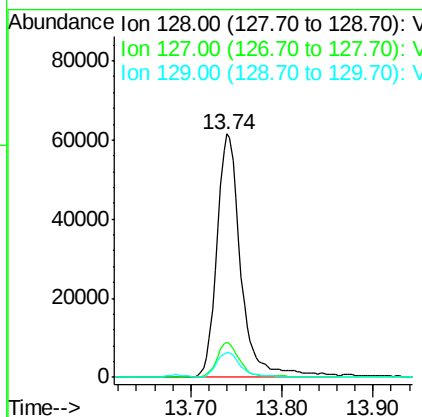
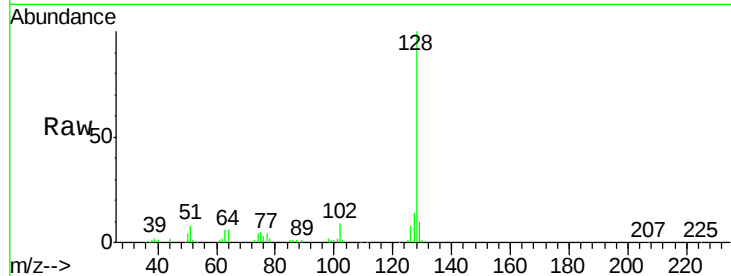
#89
Naphthalene
Concen: 5.551 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. 0.00 min
Lab File: VU031200.D
Acq: 15 Apr 2019 21:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	11.0	16.4
129	10.4	8.3	12.5

Manual Integrations
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4/16/2019 3:23:22 PM



#90
1,2,3-Trichlorobenzene
Concen: 5.553 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU031200.D
Acq: 15 Apr 2019 21:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.4	114.6
145	31.3	25.3	37.9

