

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028664.D
 Acq On : 12 Dec 2018 20:00
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 9:29:56 AM

Quant Time: Dec 13 02:52:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	81928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	142728	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	133301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	65104	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	64837	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
35) Dibromofluoromethane	4.88	113	47096	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
50) Toluene-d8	7.57	98	182915	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	10.30	95	68580	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	51709	47.088	ug/l	100
3) Chloromethane	1.33	50	92122	45.630	ug/l	100
4) Vinyl Chloride	1.40	62	69206	47.500	ug/l	99
5) Bromomethane	1.60	94	28757	48.998	ug/l	98
6) Chloroethane	1.68	64	39393	47.759	ug/l	97
7) Trichlorofluoromethane	1.88	101	73284	47.808	ug/l	99
8) Diethyl Ether	2.10	74	33014	46.033	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.28	101	43602	47.560	ug/l	100
10) Methyl Iodide	2.41	142	45811	63.684	ug/l	98
11) Tert butyl alcohol	2.83	59	72200	259.194	ug/l	100
12) 1,1-Dichloroethene	2.28	96	42682	46.792	ug/l	99
13) Acrolein	2.19	56	55305	249.052	ug/l	99
14) Allyl chloride	2.59	41	102096	47.313	ug/l	99
15) Acrylonitrile	2.94	53	206255	266.700	ug/l	100
16) Acetone	2.32	43	168797	206.894	ug/l	99
17) Carbon Disulfide	2.48	76	147759	44.965	ug/l	100
18) Methyl Acetate	2.61	43	122054	57.711	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	174260	50.394	ug/l	99
20) Methylene Chloride	2.70	84	57477	47.790	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	48758	47.475	ug/l	98
22) Diisopropyl ether	3.57	45	219429	52.290	ug/l	98
23) Vinyl Acetate	3.52	43	904129	261.206	ug/l	99
24) 1,1-Dichloroethane	3.44	63	108834	49.546	ug/l	98
25) 2-Butanone	4.26	43	283791	254.531	ug/l	98
26) 2,2-Dichloropropane	4.22	77	80592	46.303	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	57619	49.567	ug/l	99
28) Bromochloromethane	4.55	49	55297	55.375	ug/l	96
29) Tetrahydrofuran	4.64	42	194721	271.931	ug/l	98
30) Chloroform	4.67	83	98806	51.609	ug/l	98
31) Cyclohexane	4.99	56	104095	48.526	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	79390	49.929	ug/l	99
36) 1,1-Dichloropropene	5.13	75	74575	47.748	ug/l	99
37) Ethyl Acetate	4.38	43	108015	53.499	ug/l	99
38) Carbon Tetrachloride	5.13	117	62810	49.895	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	88443	46.416	ug/l	98
40) Benzene	5.39	78	230477	50.104	ug/l	100
41) Methacrylonitrile	4.54	41	61913	55.994	ug/l	96
42) 1,2-Dichloroethane	5.40	62	80779	50.168	ug/l	98
43) Isopropyl Acetate	5.55	43	172805	54.112	ug/l	99
44) Trichloroethene	6.18	130	50712	49.581	ug/l	95
45) 1,2-Dichloropropane	6.43	63	68615	53.044	ug/l	99
46) Dibromomethane	6.56	93	38971	50.776	ug/l	98
47) Bromodichloromethane	6.76	83	75278	50.403	ug/l	99
48) Methyl methacrylate	6.62	41	86469	54.447	ug/l	99
49) 1,4-Dioxane	6.61	88	25012	997.450	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	551439	273.781	ug/l	99
52) Toluene	7.64	92	135598	50.088	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	89564	50.352	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	95632	49.555	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	55589	51.946	ug/l	97
56) Ethyl methacrylate	8.02	69	98357	53.672	ug/l	99
57) 1,3-Dichloropropane	8.24	76	102160	51.427	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	254097	270.708	ug/l	100
59) 2-Hexanone	8.36	43	422938	264.926	ug/l	99
60) Dibromochloromethane	8.48	129	52735	50.333	ug/l	99
61) 1,2-Dibromoethane	8.58	107	57841	51.542	ug/l	97
64) Tetrachloroethene	8.23	164	42120	47.371	ug/l	97
65) Chlorobenzene	9.12	112	140878	49.596	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	48220	53.160	ug/l	99
67) Ethyl Benzene	9.25	91	260122	49.815	ug/l	99
68) m/p-Xylenes	9.37	106	188808	99.369	ug/l	97
69) o-Xylene	9.78	106	94624	51.246	ug/l	99
70) Styrene	9.79	104	155981	51.045	ug/l	99
71) Bromoform	9.96	173	41097	53.260	ug/l #	100
73) Isopropylbenzene	10.16	105	249030	49.849	ug/l	100
74) N-amyl acetate	10.01	43	152156	52.802	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	103215	53.784	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	91046m	54.766	ug/l	
77) Bromobenzene	10.45	156	58322	49.918	ug/l	98
78) n-propylbenzene	10.58	91	307020	49.459	ug/l	99
79) 2-Chlorotoluene	10.66	91	181050	50.633	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	209898	50.758	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	32747m	48.448	ug/l	
82) 4-Chlorotoluene	10.77	91	207457	48.960	ug/l	99
83) tert-Butylbenzene	11.10	119	200348	50.265	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	215472	50.560	ug/l	99
85) sec-Butylbenzene	11.32	105	256222	50.039	ug/l	100
86) p-Isopropyltoluene	11.48	119	215353	49.510	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	108224	49.055	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	107353	47.032	ug/l	98
89) n-Butylbenzene	11.89	91	209724	47.642	ug/l	99
90) Hexachloroethane	12.14	117	34837	52.989	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	109206	49.487	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	22798	54.873	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	71000	46.874	ug/l	100
94) Hexachlorobutadiene	13.69	225	33229	45.968	ug/l	97
95) Naphthalene	13.74	128	253757	47.920	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	74032	49.056	ug/l	99

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

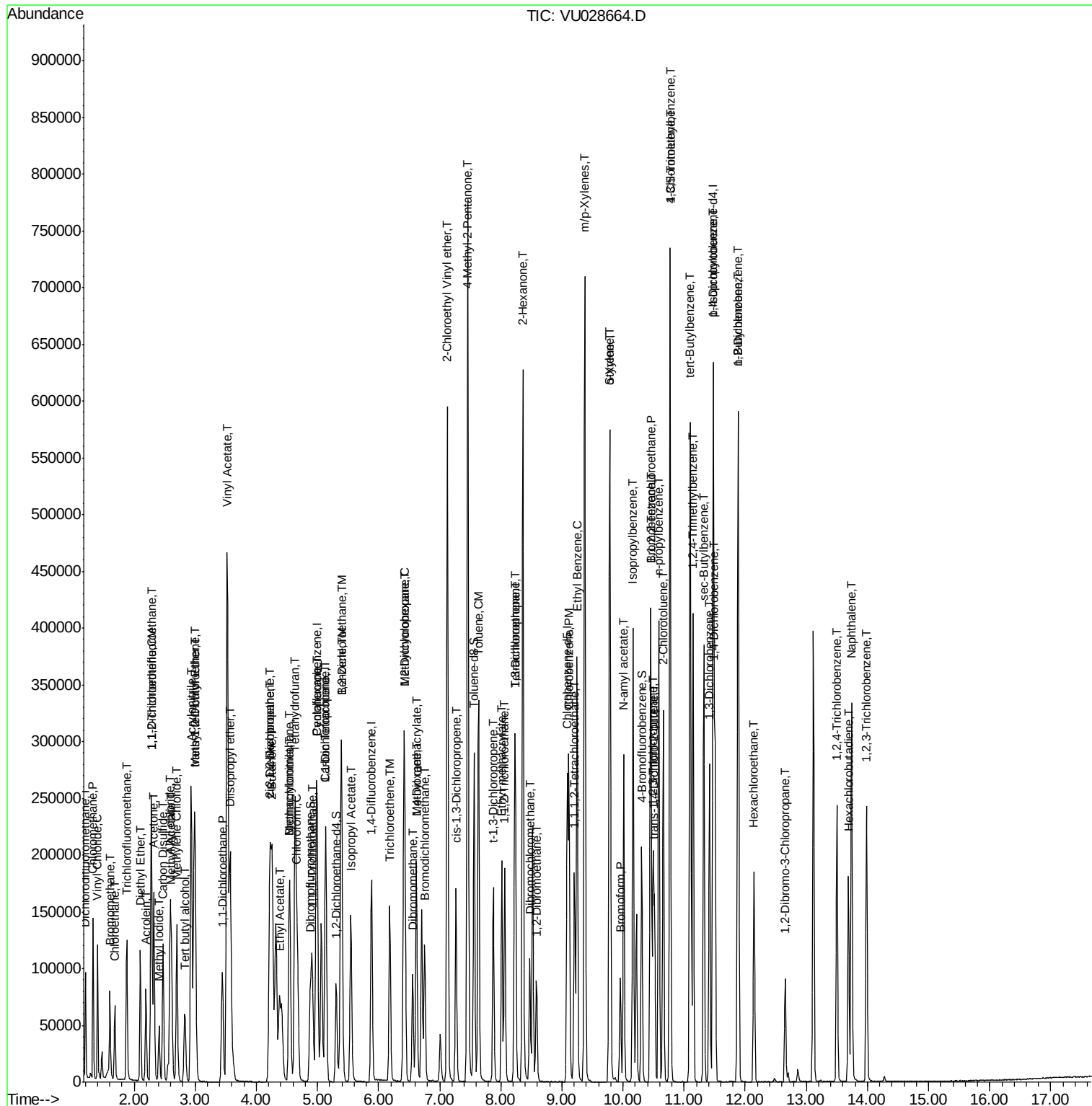
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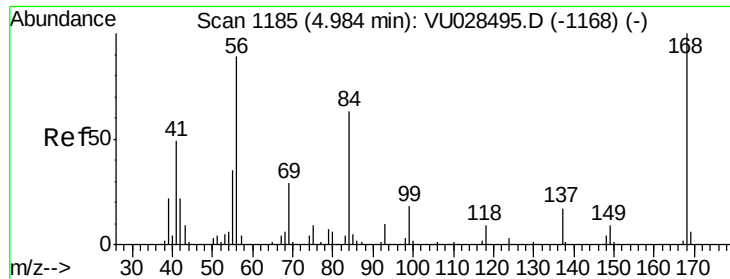
Instrument :
MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 81928

Ion Ratio Lower Upper

168 100

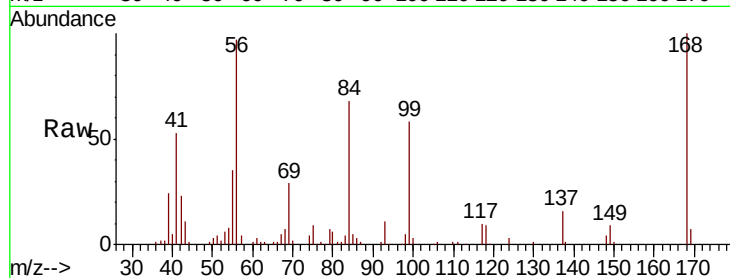
99 57.2 46.6 69.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

40000

30000

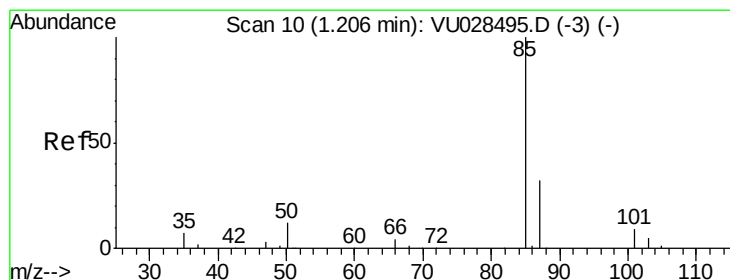
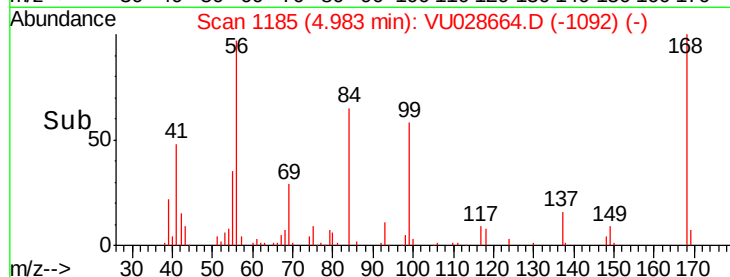
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.088 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028664.D

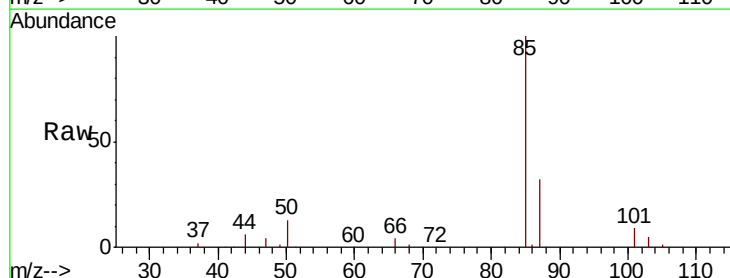
Acq: 12 Dec 2018 20:00

Tgt Ion: 85 Resp: 51709

Ion Ratio Lower Upper

85 100

87 31.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.21

60000

50000

40000

30000

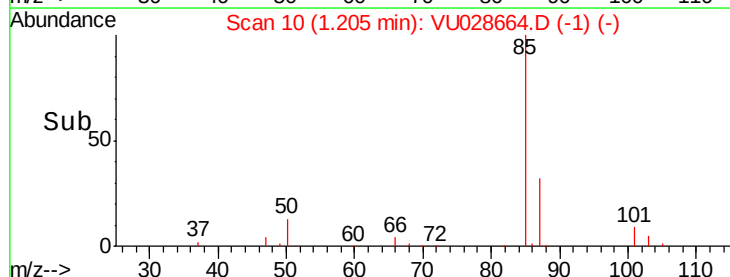
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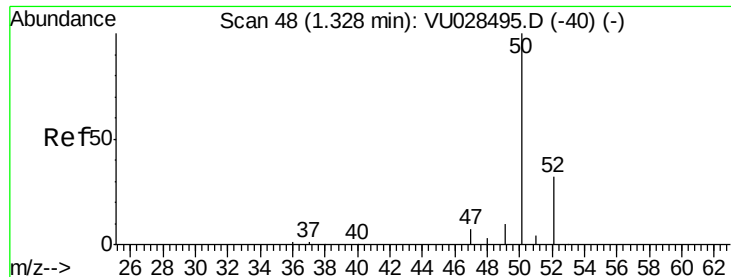
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 45.630 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 92122

Ion Ratio Lower Upper

50 100

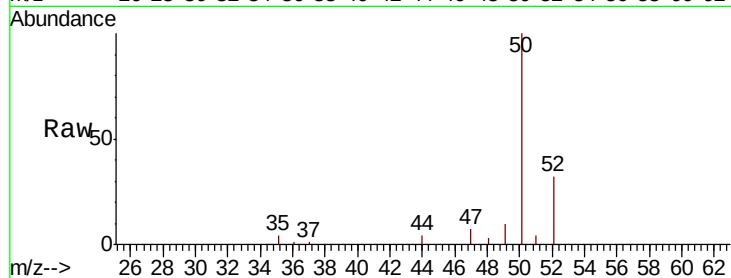
52 32.0 25.5 38.3

Manual Integrations

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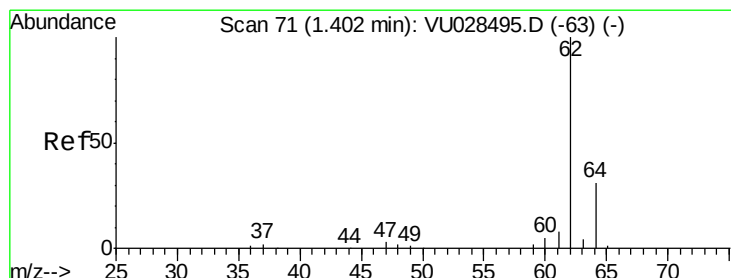
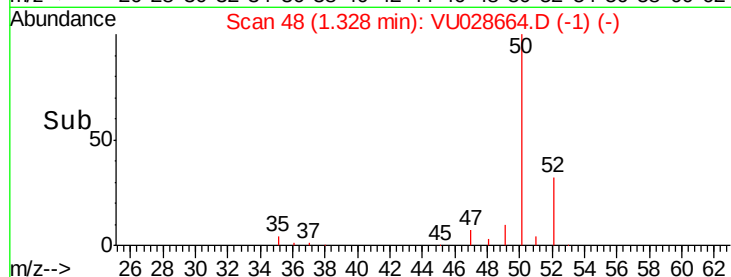
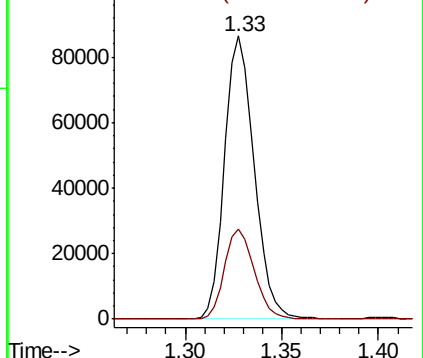
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 47.500 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028664.D

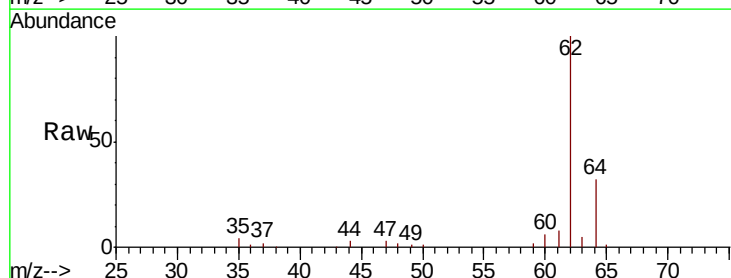
Acq: 12 Dec 2018 20:00

Tgt Ion: 62 Resp: 69206

Ion Ratio Lower Upper

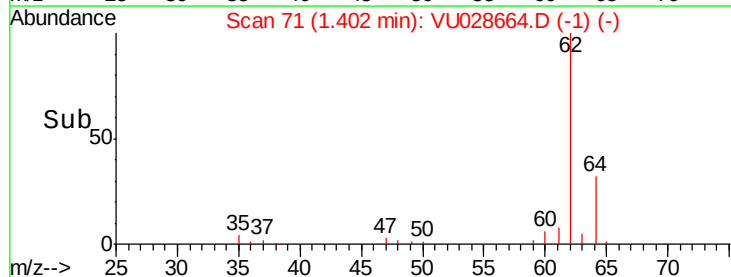
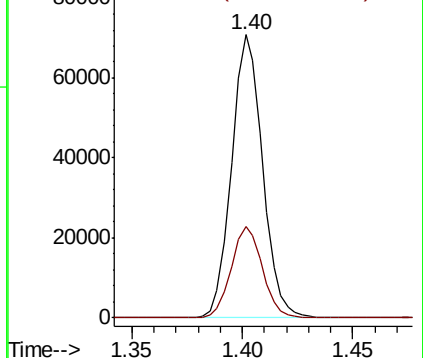
62 100

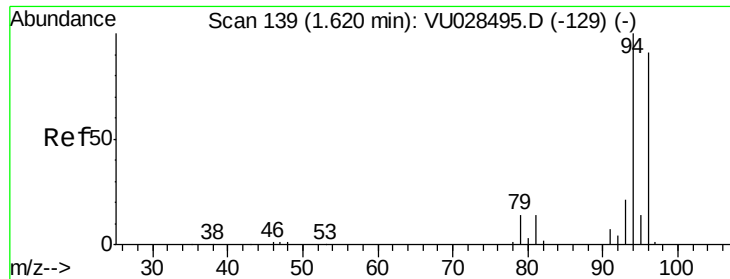
64 32.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





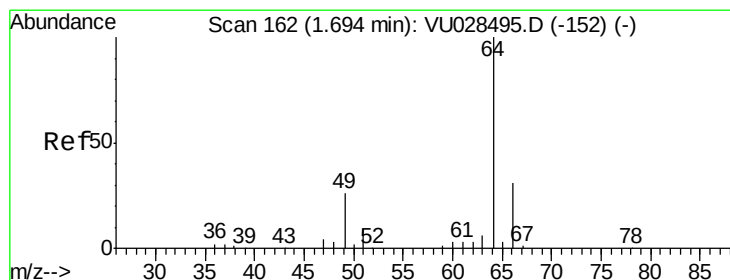
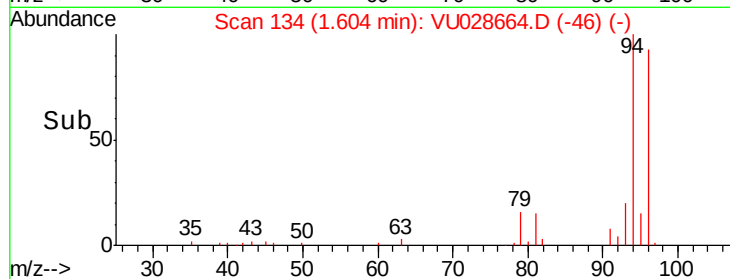
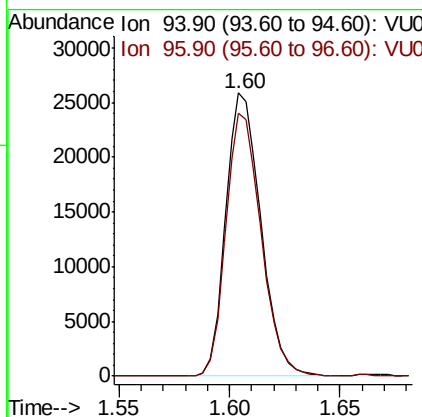
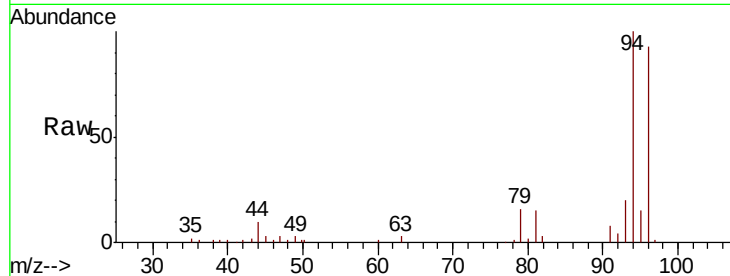
#5
Bromomethane
Concen: 48.998 ug/l
RT: 1.60 min Scan# 134
Delta R.T. -0.02 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
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Tot Ion: 94 Resp: 28757
Ion Ratio Lower Upper
94 100
96 93.0 73.2 109.8

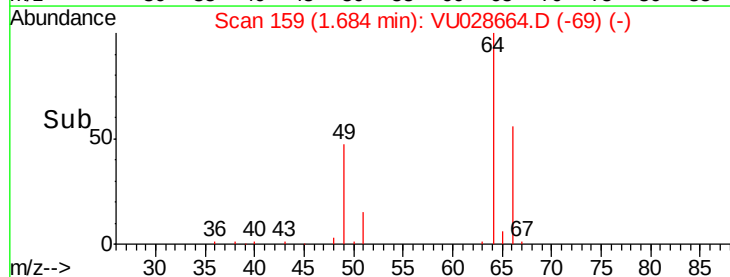
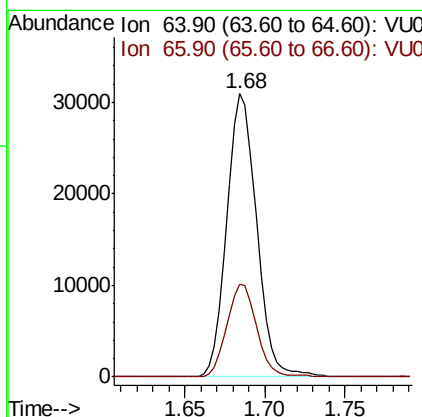
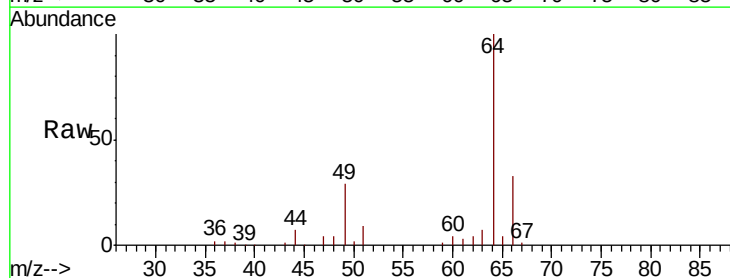
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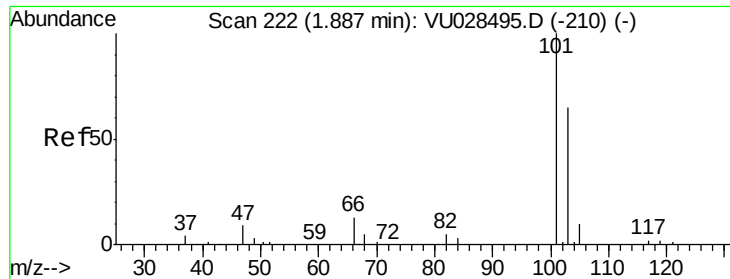
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12/13/2018 9:29:56 AM



#6
Chloroethane
Concen: 47.759 ug/l
RT: 1.68 min Scan# 159
Delta R.T. -0.01 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion: 64 Resp: 39393
Ion Ratio Lower Upper
64 100
66 32.7 25.0 37.6





#7

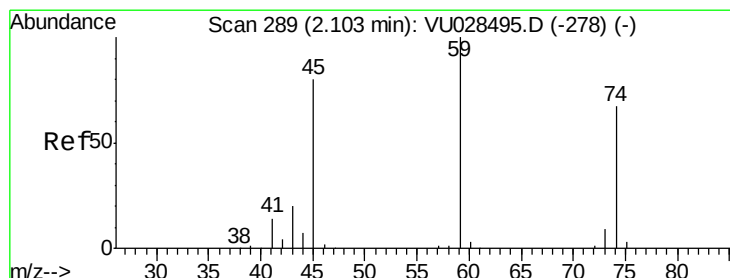
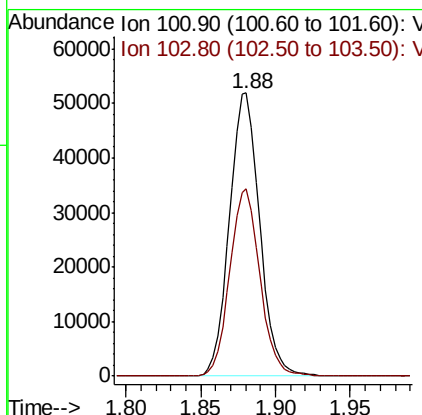
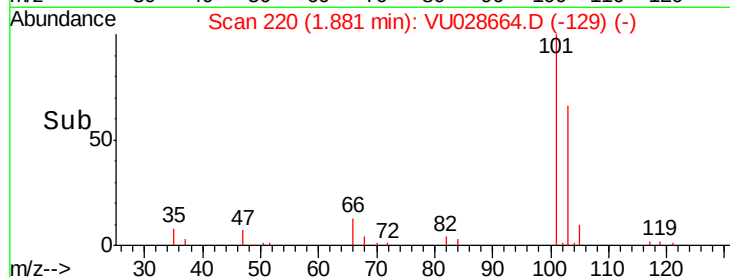
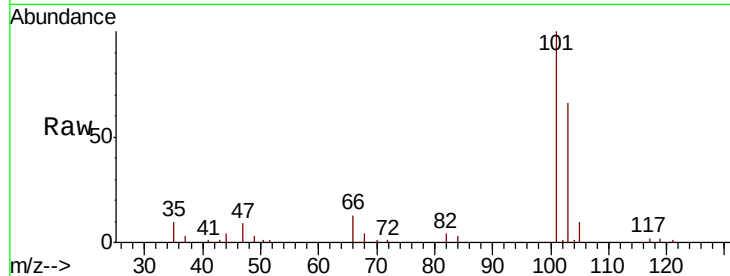
Trichlorofluoromethane
Concen: 47.808 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.01 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 73284
Ion Ratio Lower Upper
101 100
103 66.0 52.3 78.5

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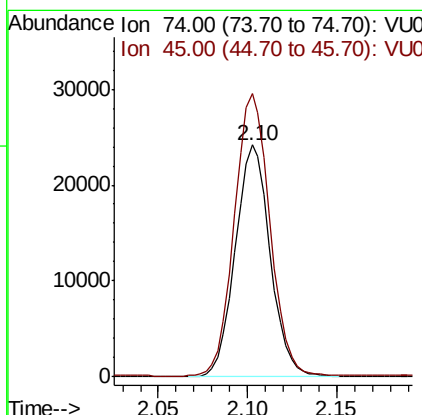
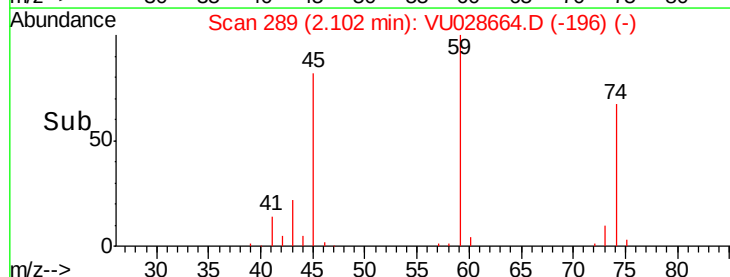
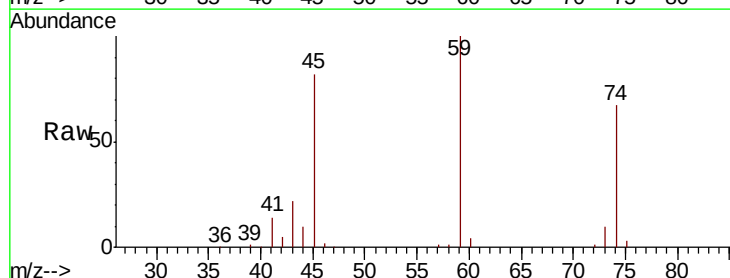
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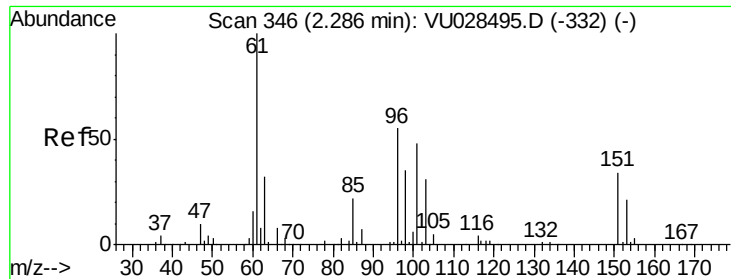


#8

Diethyl Ether
Concen: 46.033 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion: 74 Resp: 33014
Ion Ratio Lower Upper
74 100
45 125.5 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.560 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 43602

Ion Ratio Lower Upper

101 100

85 45.8 36.4 54.6

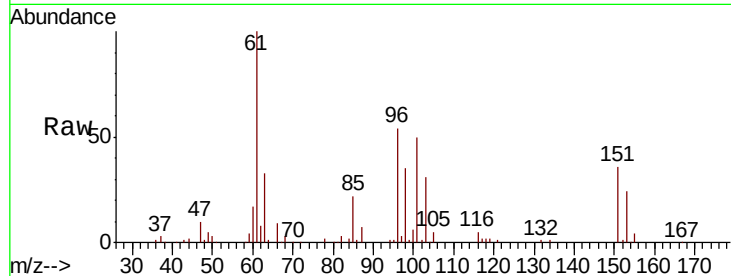
151 72.4 58.2 87.2

Manual Integrations

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MMDadoda

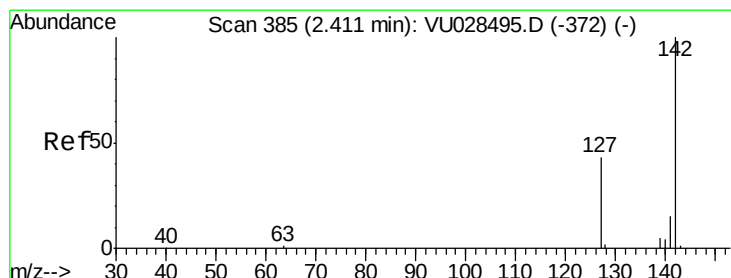
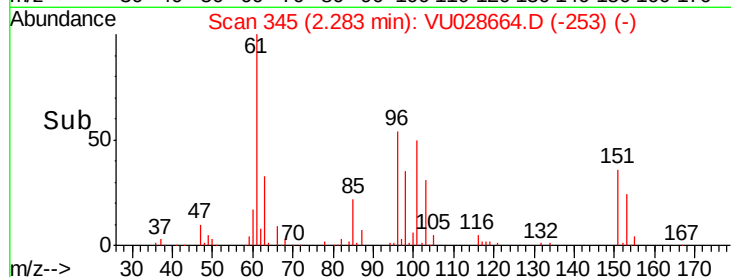
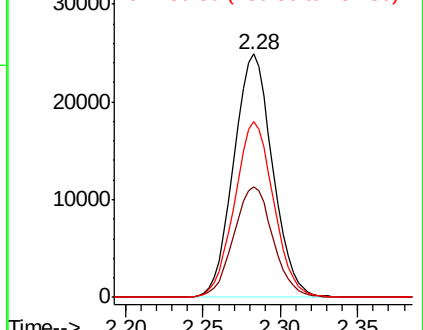
12/13/2018 9:29:56 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 63.684 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

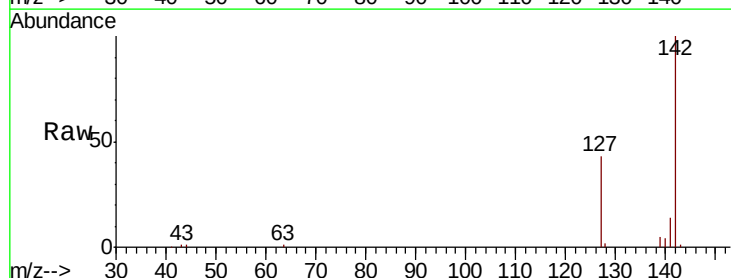
Tgt Ion:142 Resp: 45811

Ion Ratio Lower Upper

142 100

127 43.1 33.5 50.3

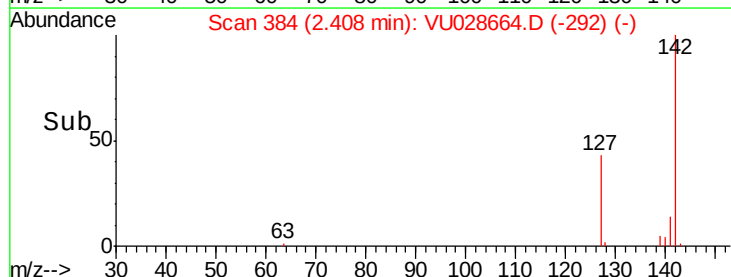
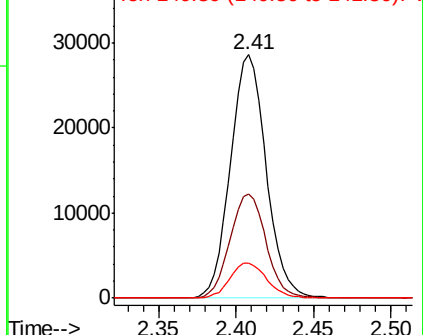
141 14.8 11.2 16.8

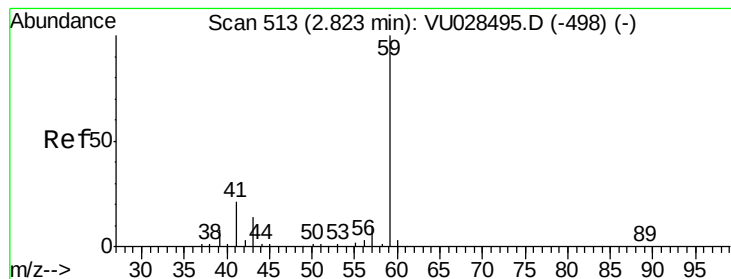


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

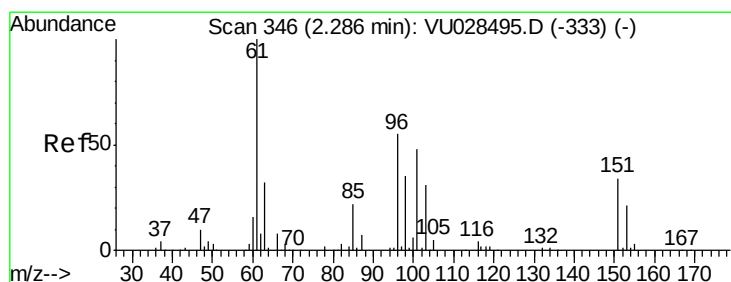
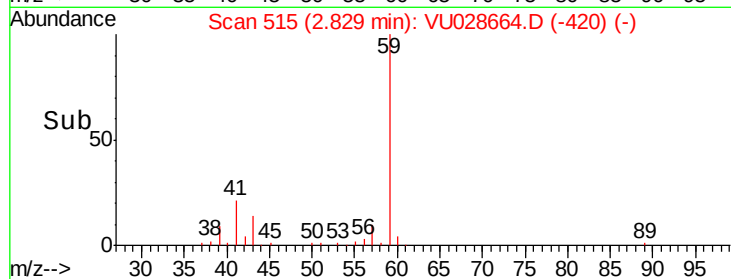
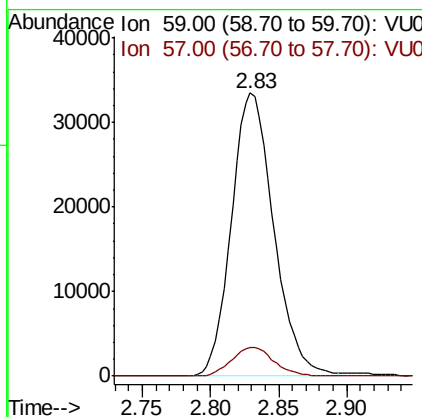
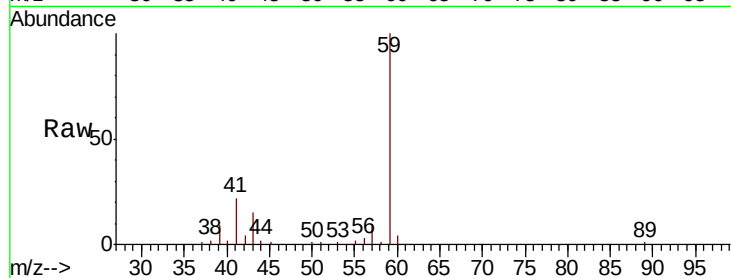
Tert butyl alcohol
 Concen: 259.194 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.01 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0

Manual Integrations
 APPROVED

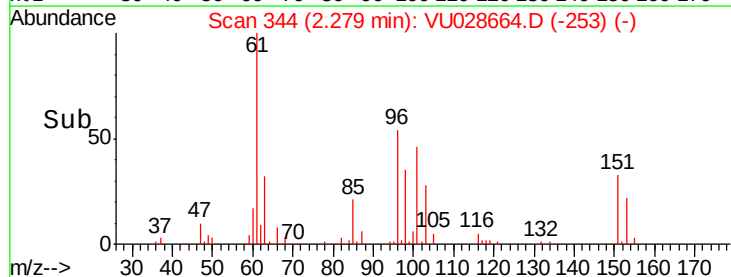
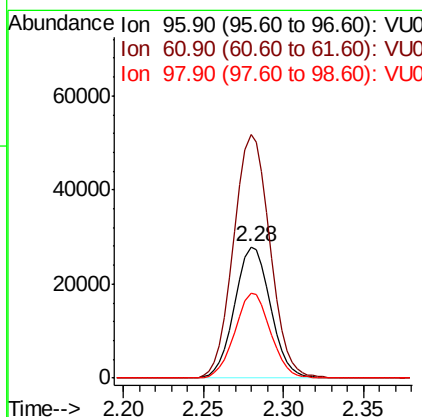
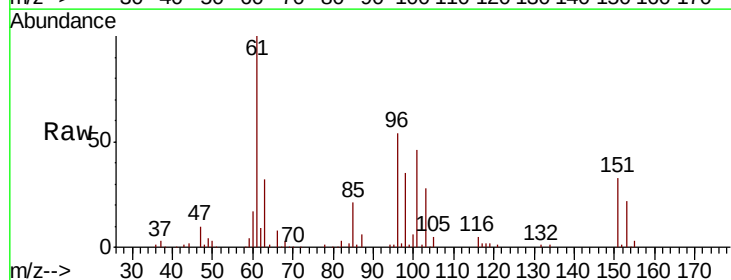
MMDadoda
 12/13/2018 9:29:56 AM

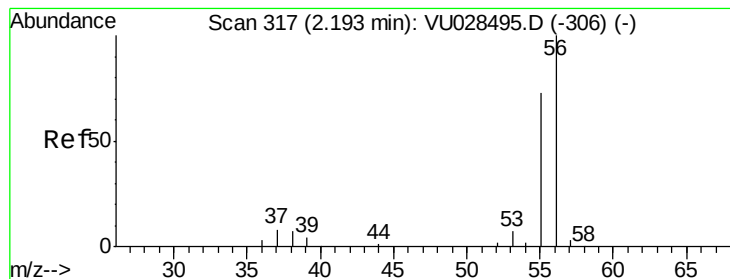


#12

1,1-Dichloroethene
 Concen: 46.792 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.5	146.4	219.6
98	64.9	51.8	77.8





#13

Acrolein

Concen: 249.052 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 55305

Ion Ratio Lower Upper

56 100

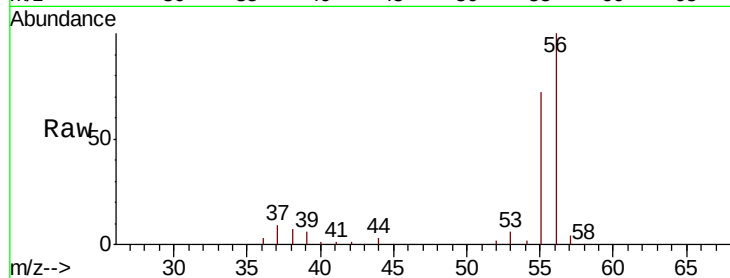
55 72.9 57.5 86.3

Manual Integrations

APPROVED

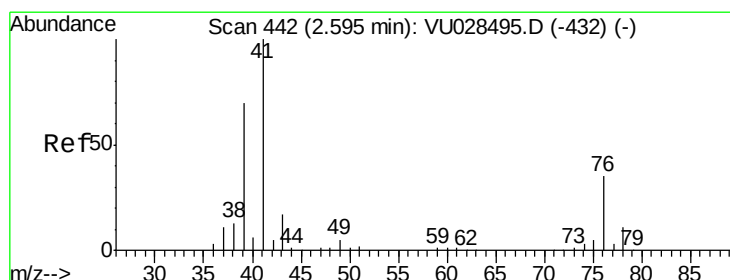
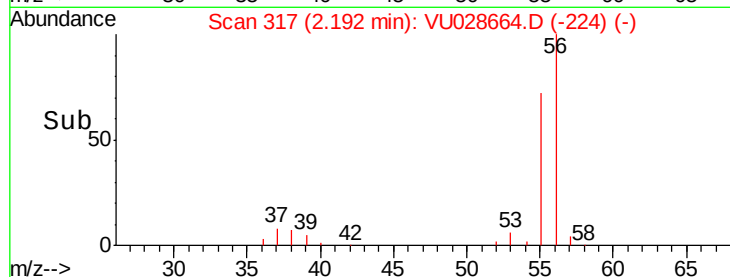
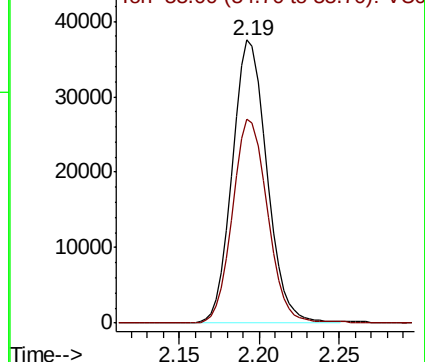
MMDadoda

12/13/2018 9:29:56 AM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 47.313 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

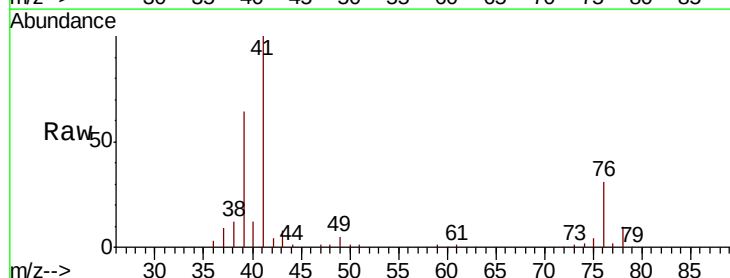
Tgt Ion: 41 Resp: 102096

Ion Ratio Lower Upper

41 100

39 64.7 50.8 76.2

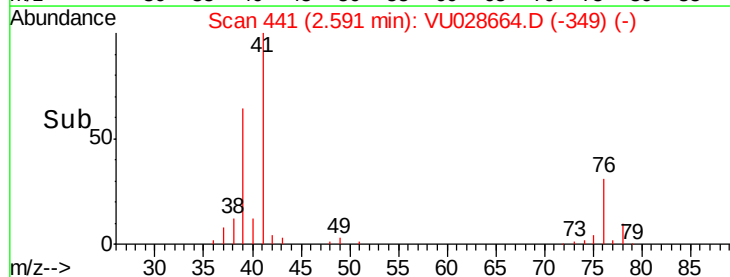
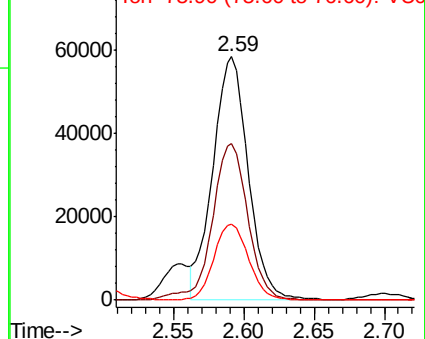
76 30.7 24.8 37.2

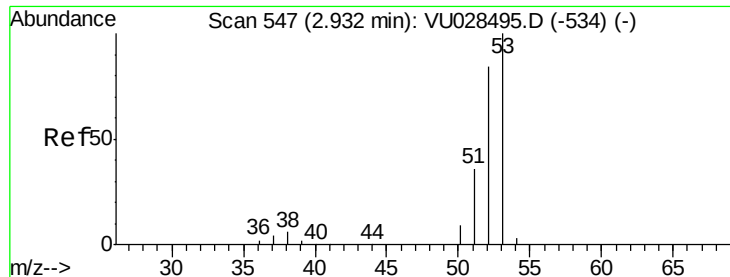


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 266.700 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

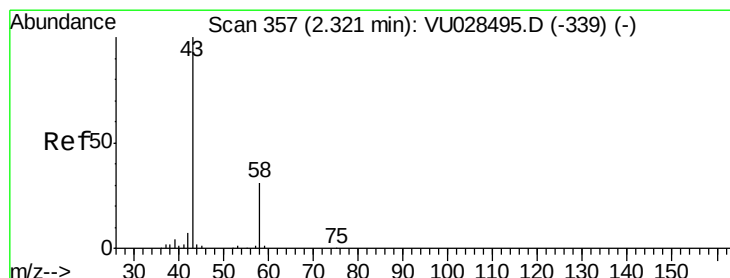
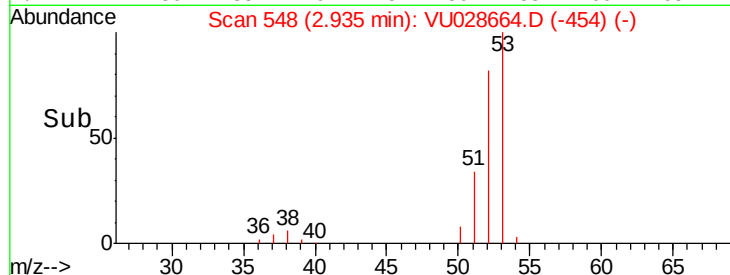
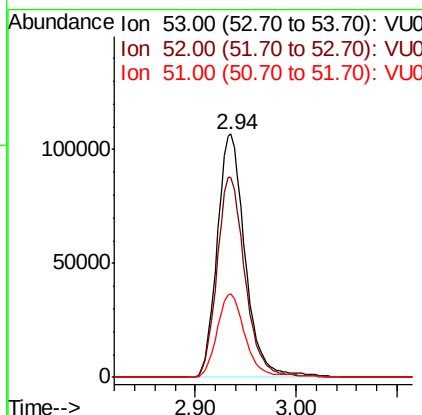
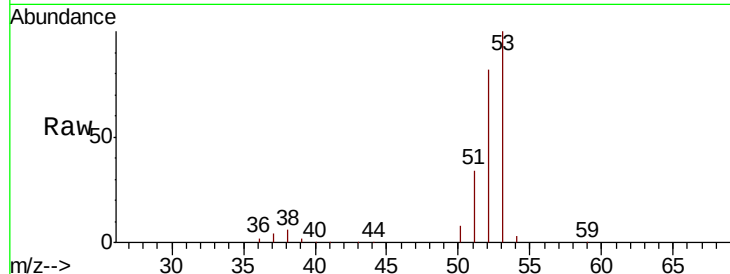
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	206255
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.1	99.1
51	35.1	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 206.894 ug/l

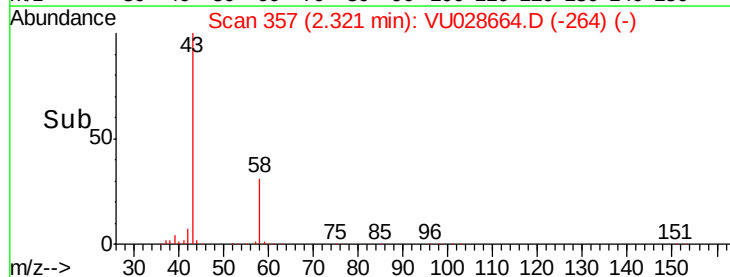
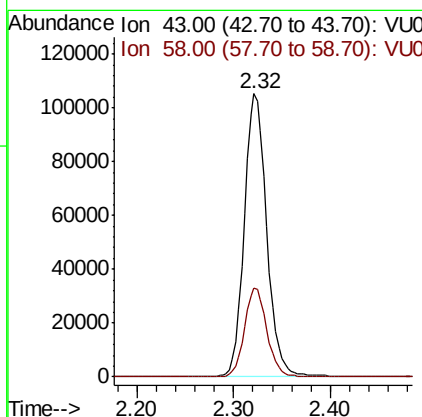
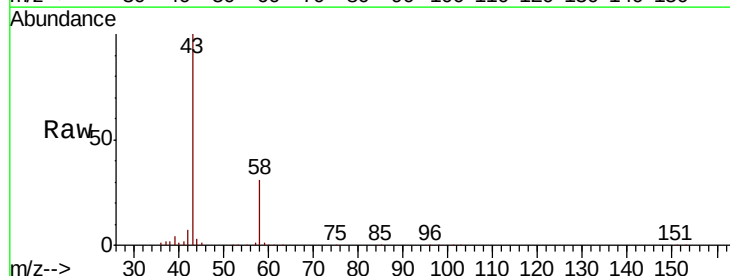
RT: 2.32 min Scan# 357

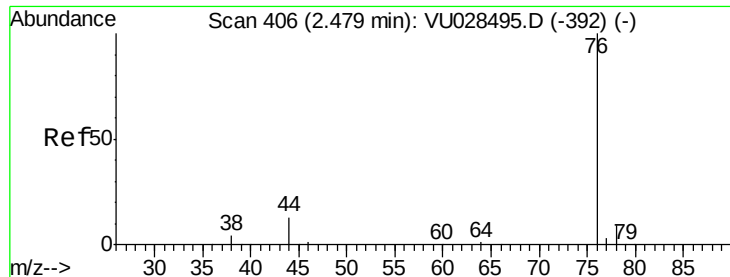
Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Tgt Ion:	43	Resp:	168797
Ion	Ratio	Lower	Upper
43	100		
58	31.4	24.6	37.0





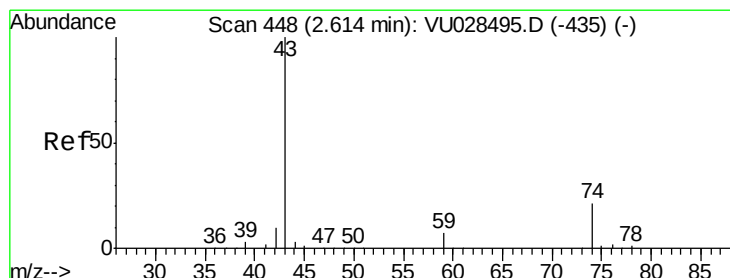
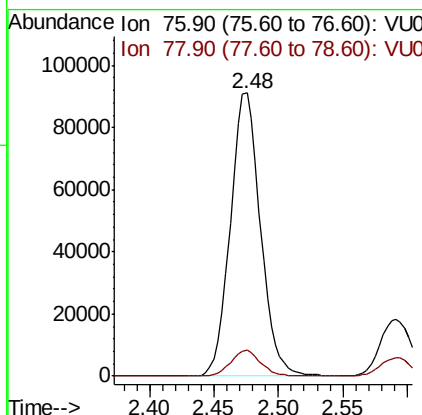
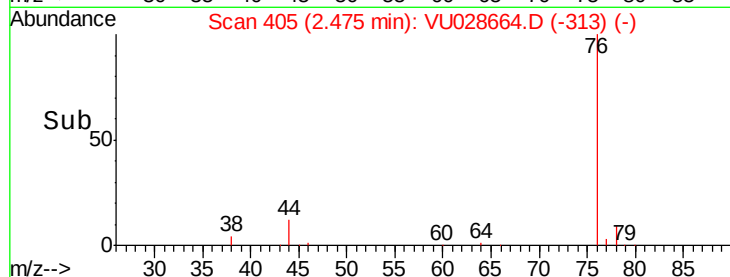
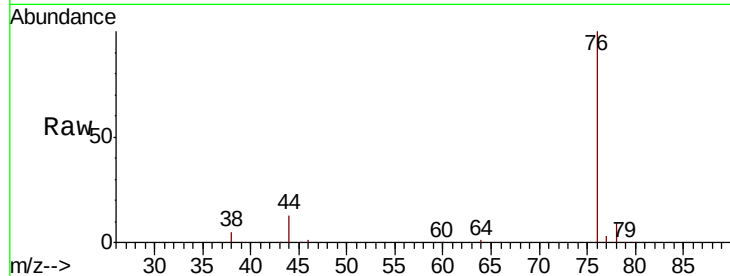
#17
Carbon Disulfide
Concen: 44.965 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

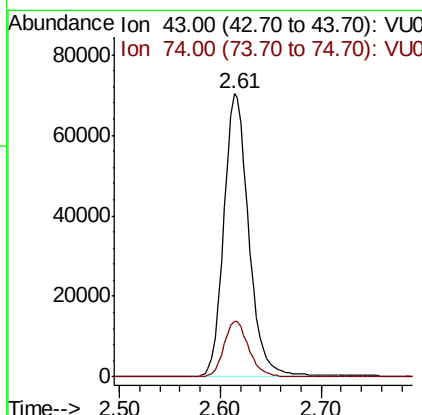
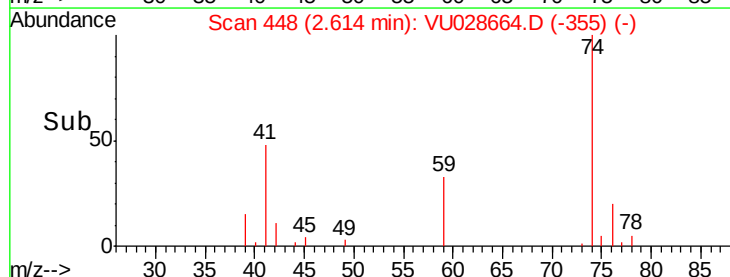
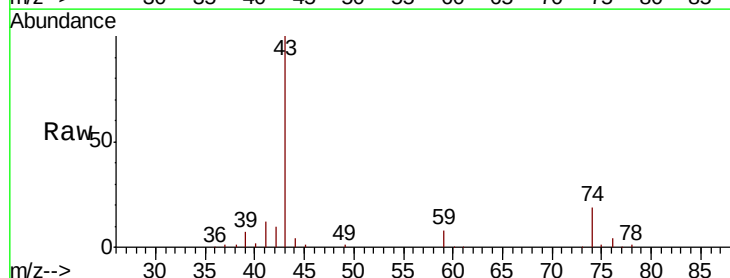
Manual Integrations
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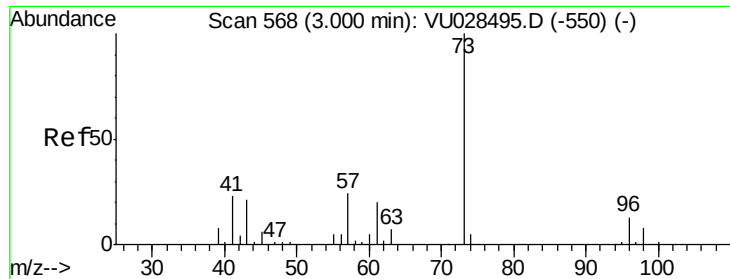
MMDadoda
12/13/2018 9:29:56 AM



#18
Methyl Acetate
Concen: 57.711 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	16.4	24.6





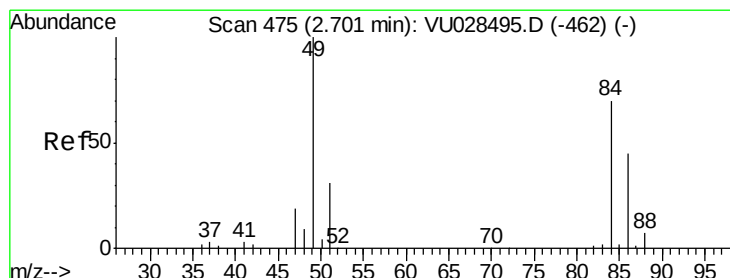
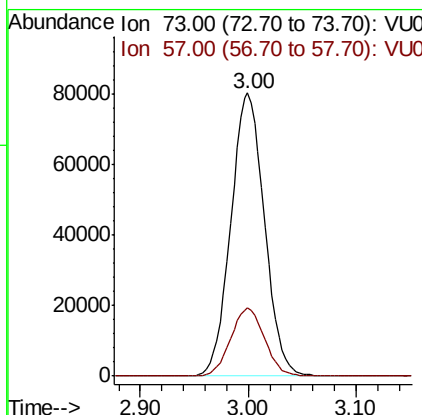
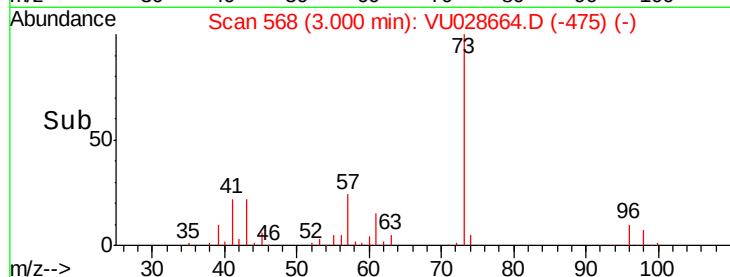
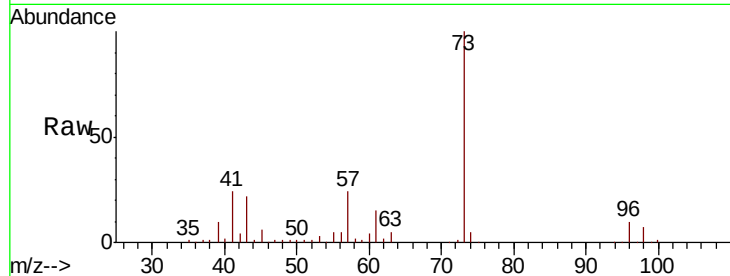
#19
Methyl tert-butyl Ether
Concen: 50.394 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 174260
Ion Ratio Lower Upper
73 100
57 24.0 19.4 29.2

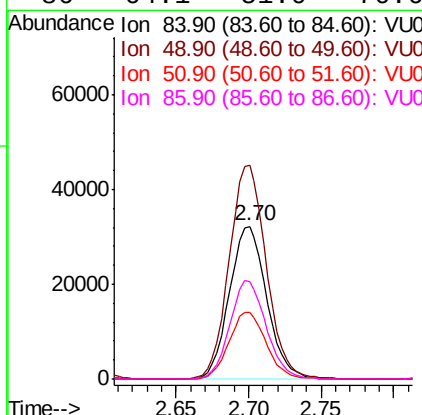
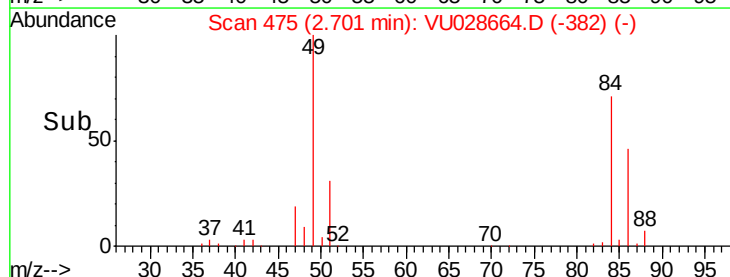
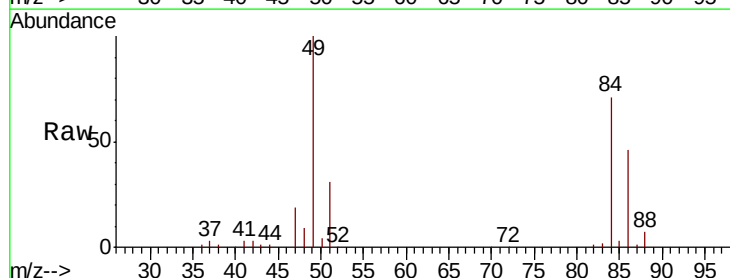
Manual Integrations
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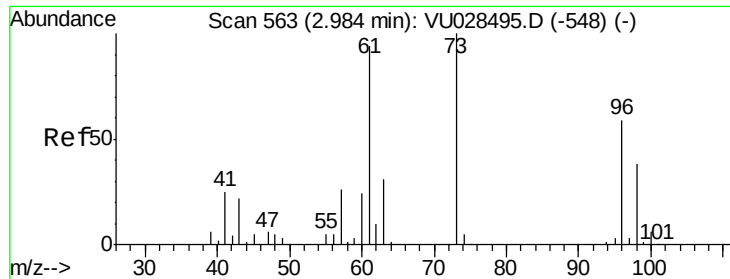
MMDadoda
12/13/2018 9:29:56 AM



#20
Methylene Chloride
Concen: 47.790 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion: 84 Resp: 57477
Ion Ratio Lower Upper
84 100
49 139.9 114.0 171.0
51 43.4 35.1 52.7
86 64.1 51.0 76.6





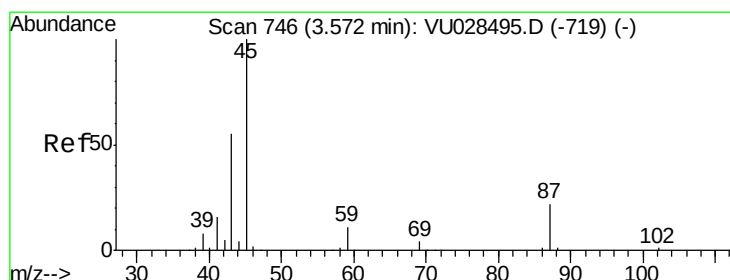
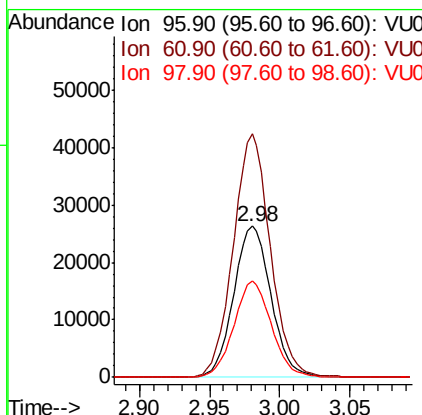
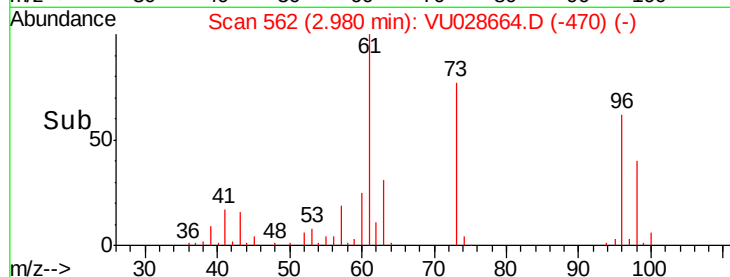
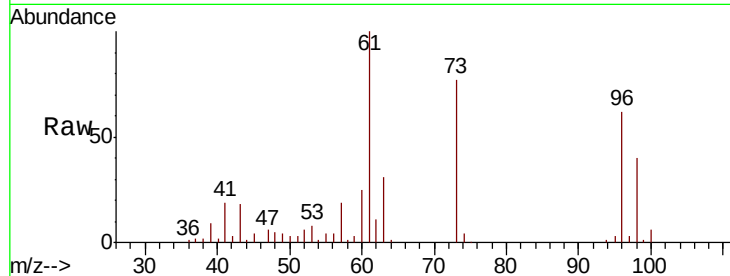
#21
trans-1,2-Dichloroethene
Concen: 47.475 ug/l
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.2	127.0	190.4
98	63.9	51.9	77.9

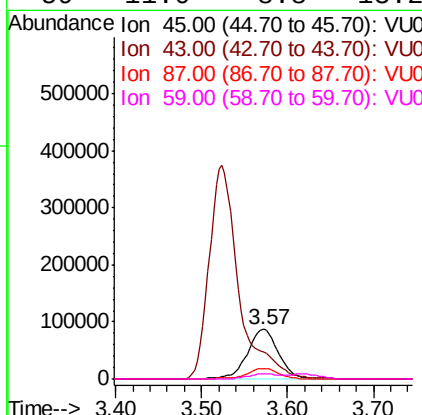
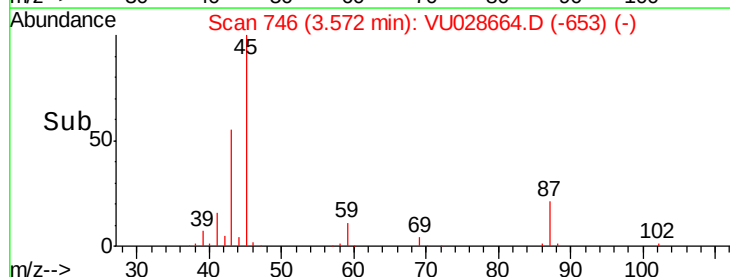
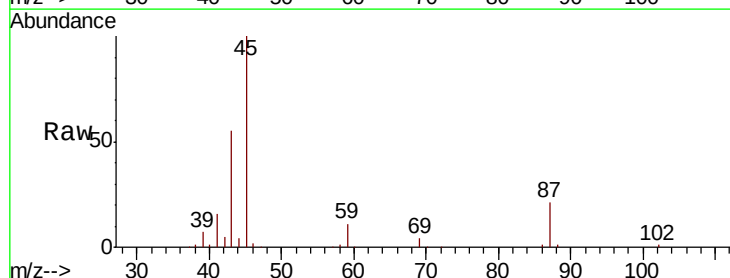
Manual Integrations
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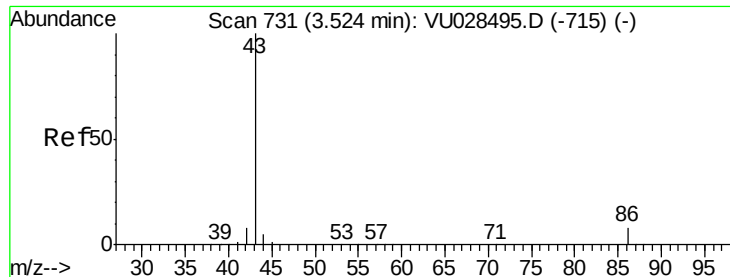
MMDadoda
12/13/2018 9:29:56 AM



#22
Diisopropyl ether
Concen: 52.290 ug/l
RT: 3.57 min Scan# 746
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.2	45.3	67.9
87	21.3	17.6	26.4
59	11.0	8.8	13.2





#23

Vinyl Acetate

Concen: 261.206 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 904129

Ion Ratio Lower Upper

43 100

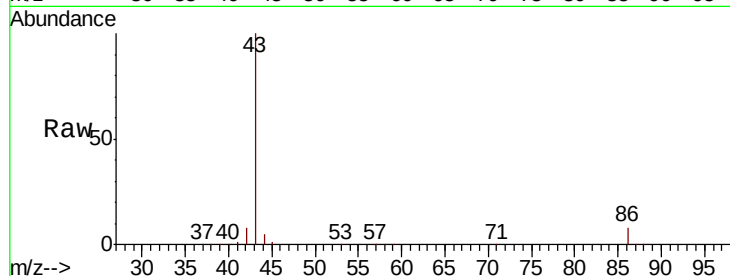
86 8.1 6.8 10.2

Manual Integrations

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MMDadoda

12/13/2018 9:29:56 AM



Abundance Ion 43.00 (42.70 to 43.70): VU028664.D (-638) (-)

Ion 86.00 (85.70 to 86.70): VU028664.D (-638) (-)

3.52

400000

300000

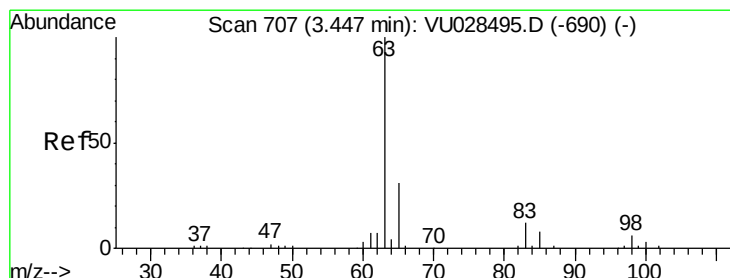
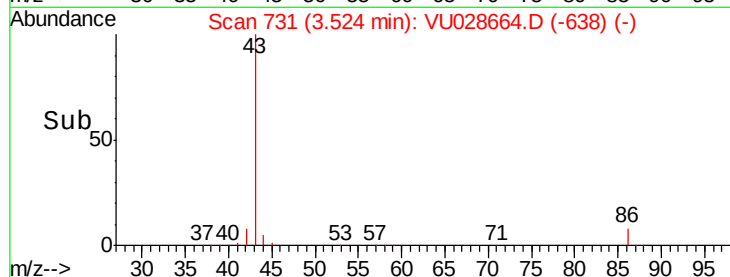
200000

100000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 49.546 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

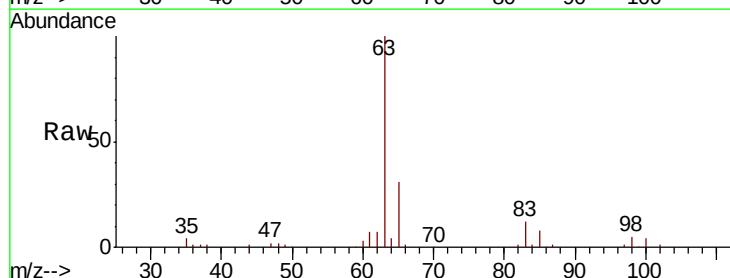
Tgt Ion: 63 Resp: 108834

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

100 3.9 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028664.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028664.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028664.D (-614) (-)

3.44

60000

50000

40000

30000

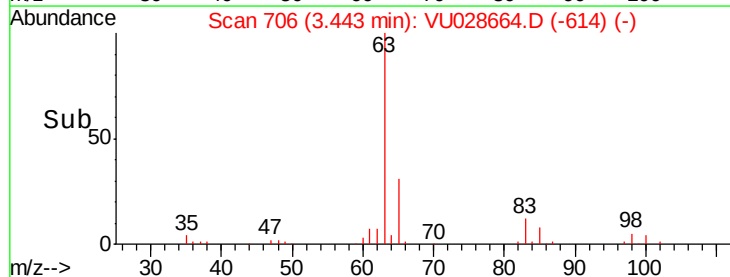
20000

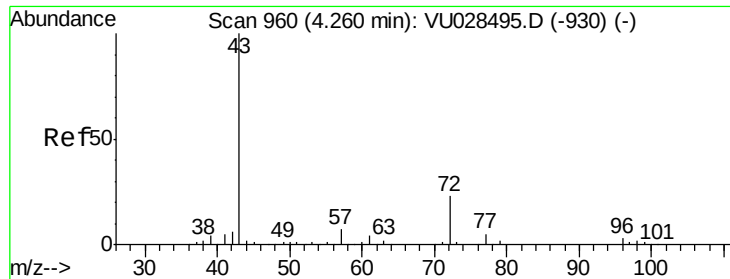
10000

0

3.35 3.40 3.45 3.50 3.55

Time-->





#25

2-Butanone

Concen: 254.531 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 283791

Ion Ratio Lower Upper

43 100

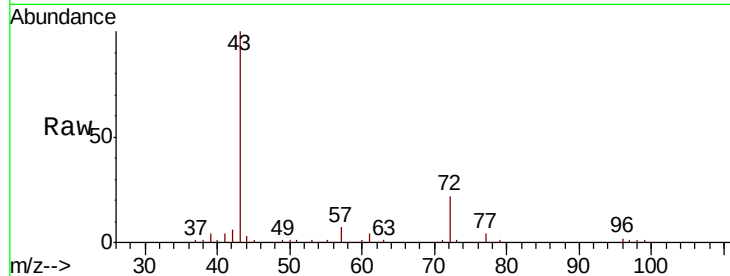
72 22.4 18.6 28.0

Manual Integrations

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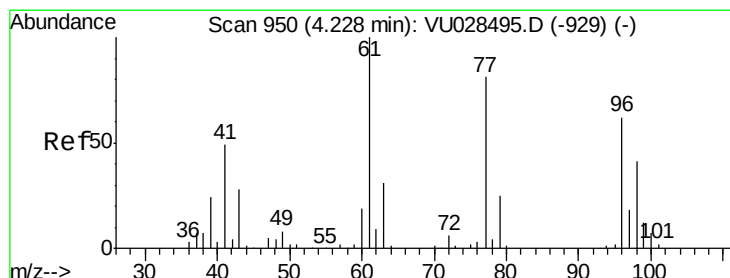
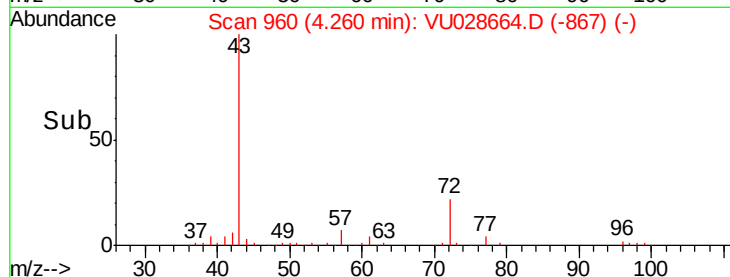
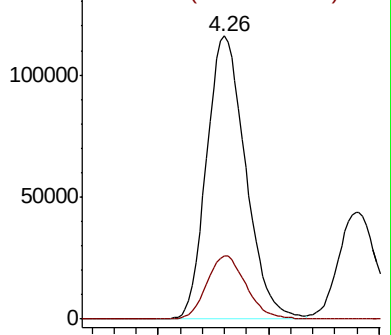
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 46.303 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028664.D

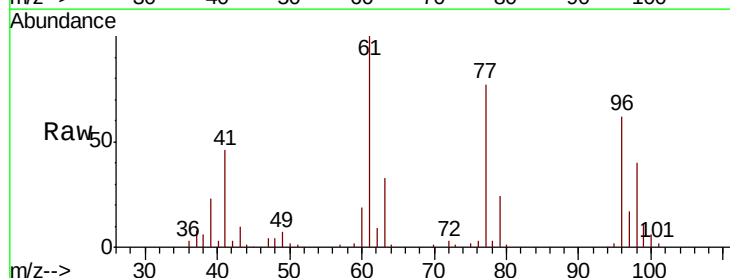
Acq: 12 Dec 2018 20:00

Tgt Ion: 77 Resp: 80592

Ion Ratio Lower Upper

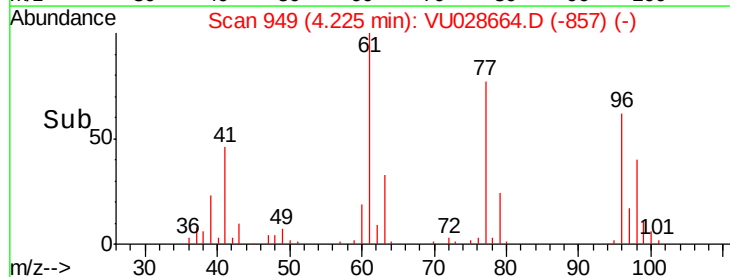
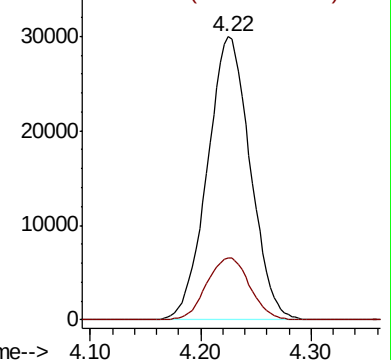
77 100

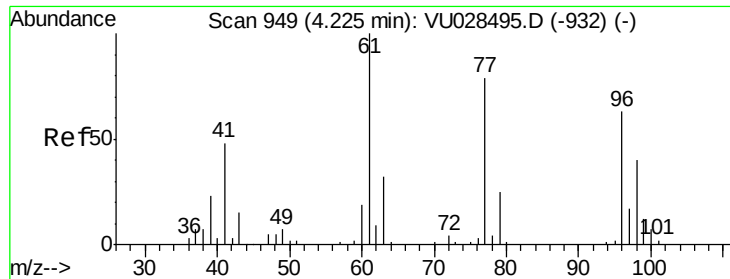
97 22.0 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

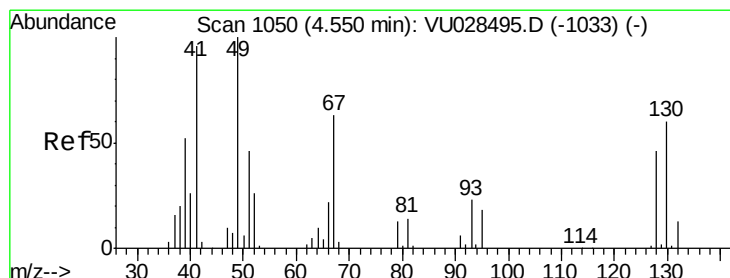
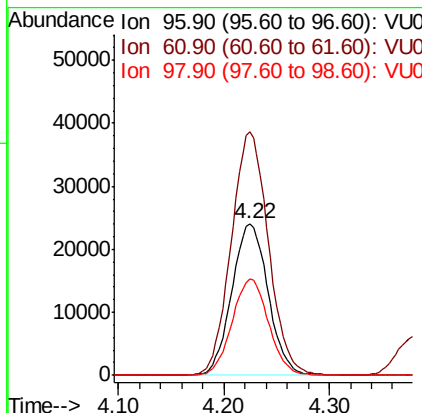
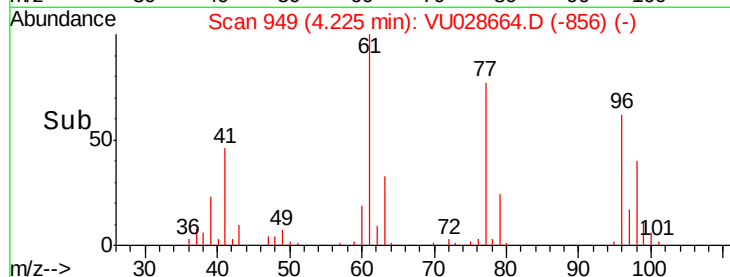
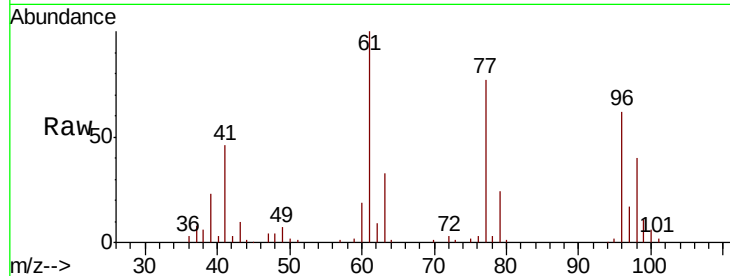
cis-1,2-Dichloroethene
Concen: 49.567 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.0	0.0	332.4
98	63.6	0.0	129.0

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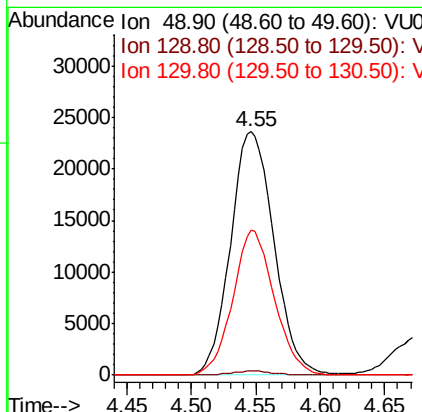
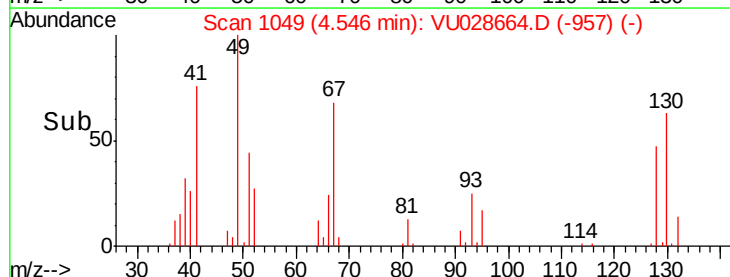
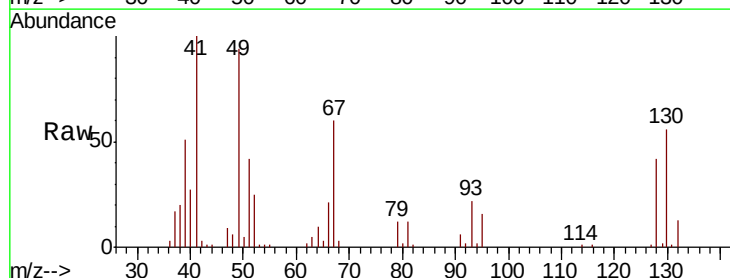
MMDadoda
12/13/2018 9:29:56 AM

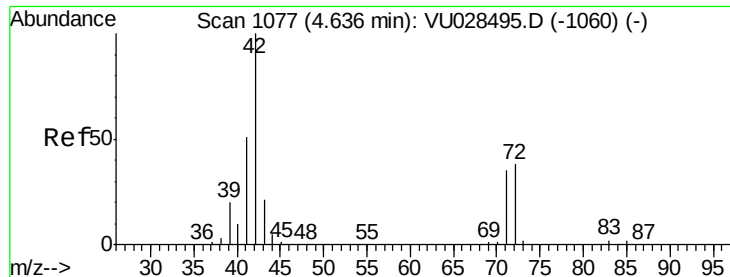


#28

Bromochloromethane
Concen: 55.375 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	56.7	47.8	71.8





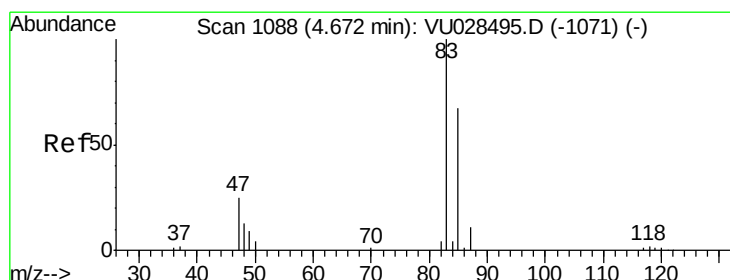
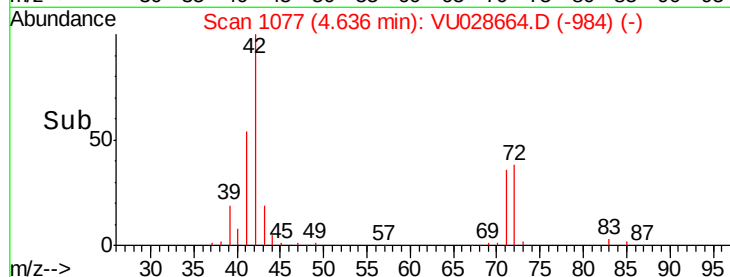
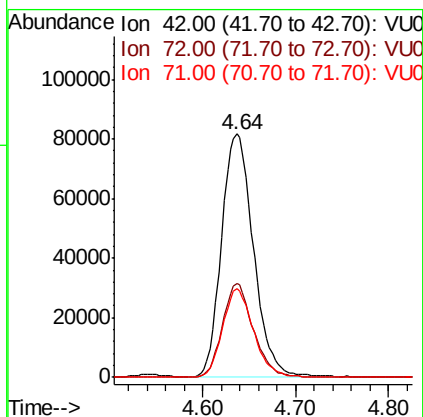
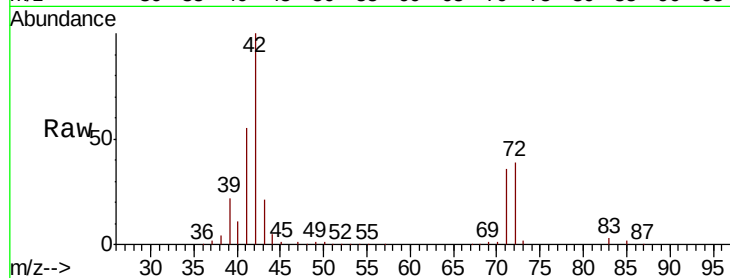
#29
Tetrahydrofuran
Concen: 271.931 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	31.4	47.0
71	35.3	28.6	43.0

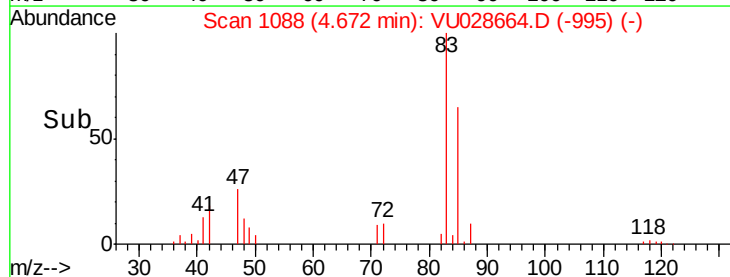
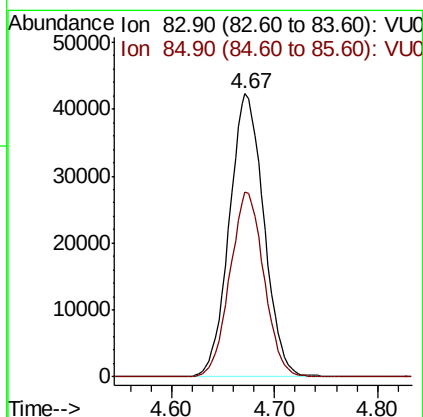
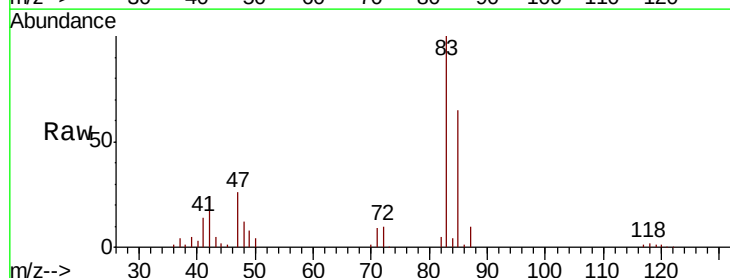
Manual Integrations
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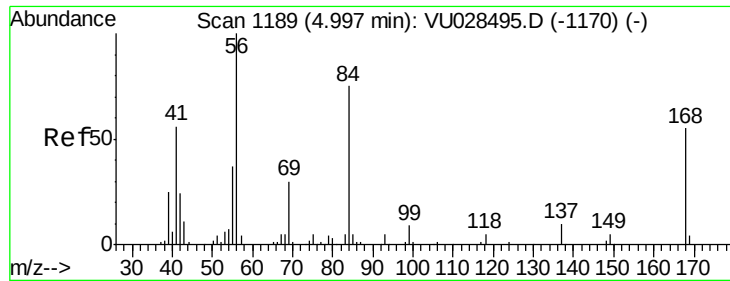
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#30
Chloroform
Concen: 51.609 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.6	80.4





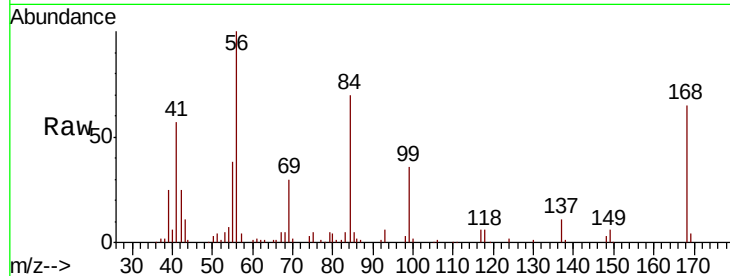
#31
Cyclohexane
Concen: 48.526 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

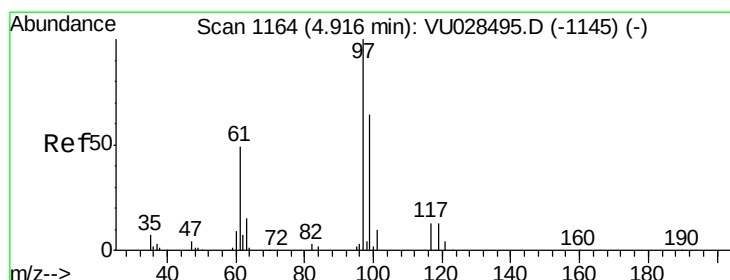
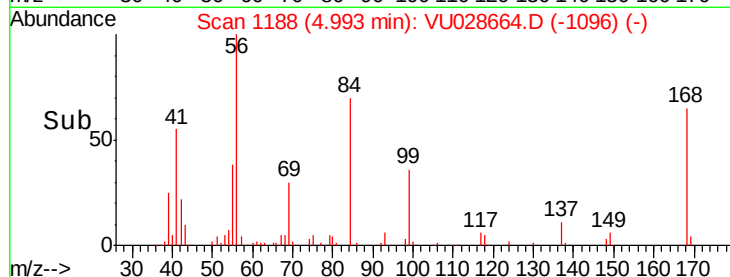
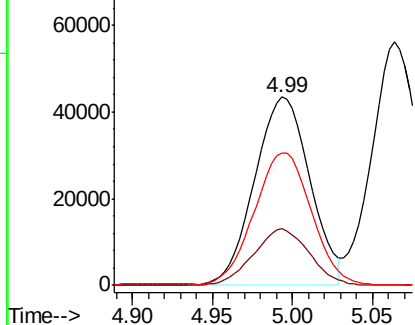
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.0	36.0
84	69.8	59.7	89.5

Manual Integrations
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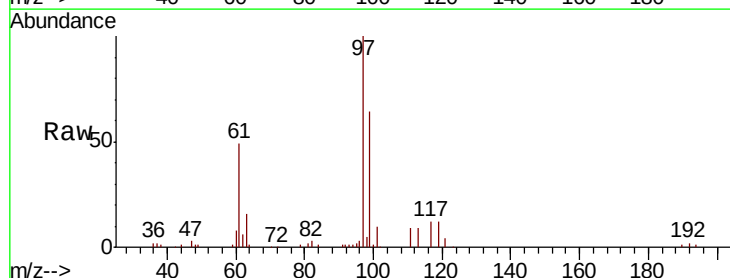


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

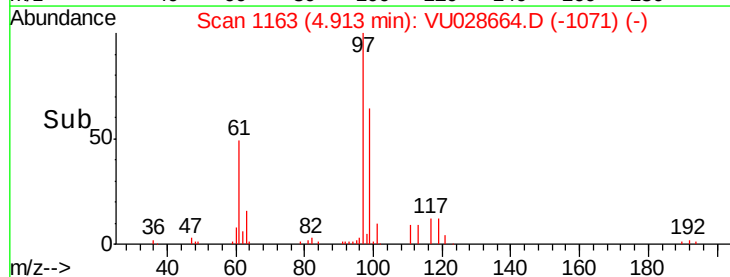
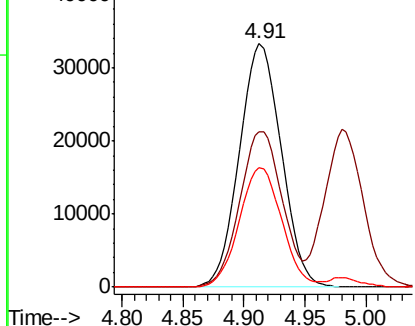


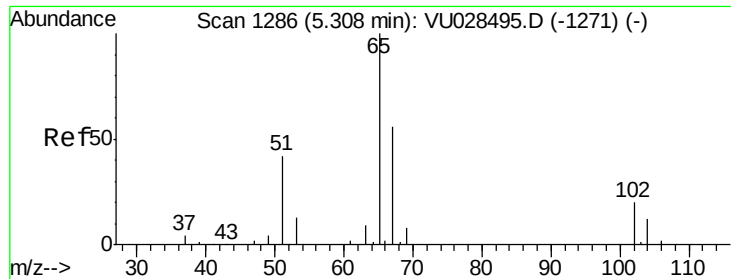
#32
1,1,1-Trichloroethane
Concen: 49.929 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.3	78.5
61	49.8	39.0	58.6



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





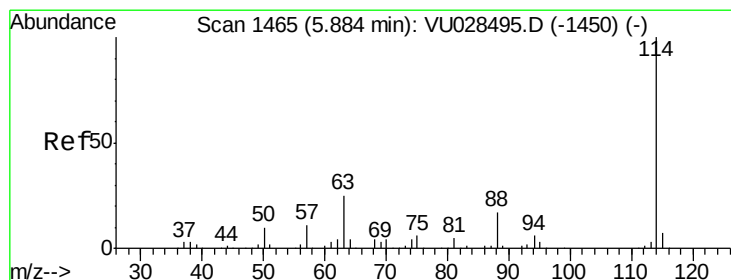
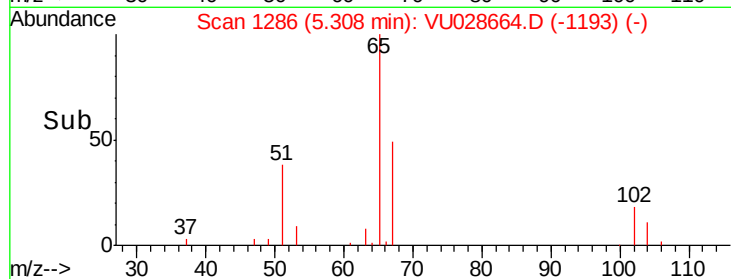
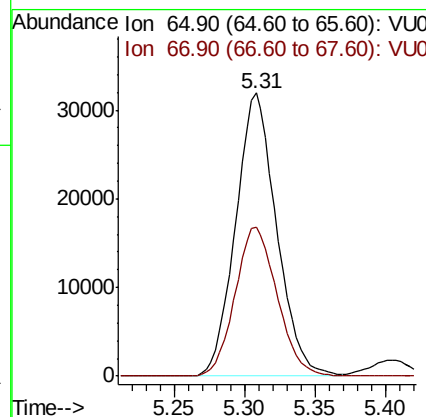
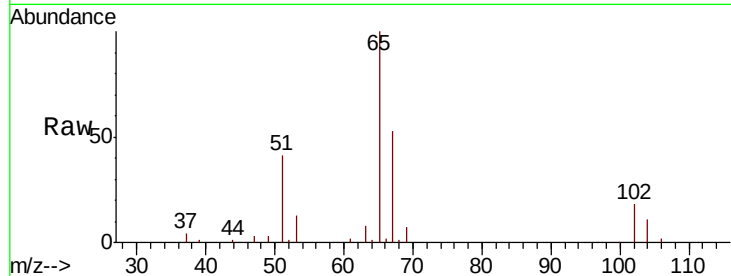
#33
 1,2-Dichloroethane-d4
 Concen: 51.858 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	110.6

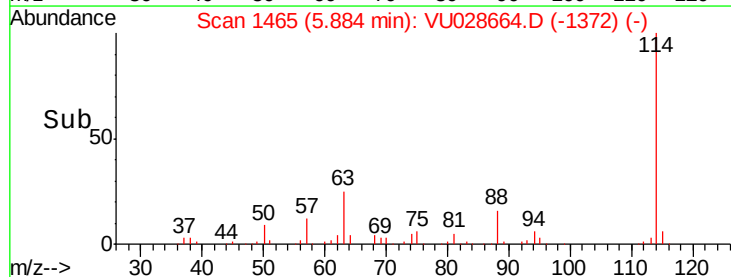
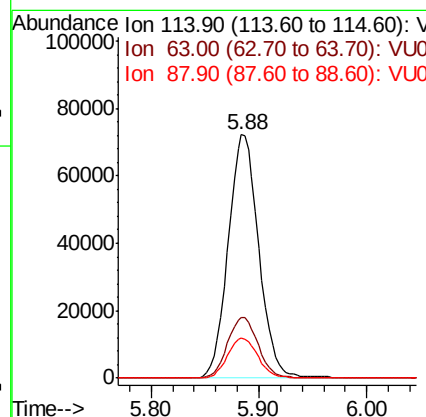
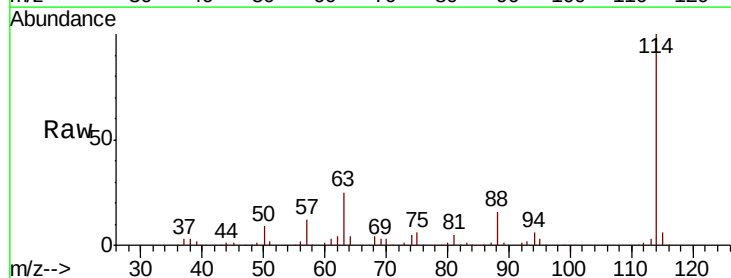
Manual Integrations
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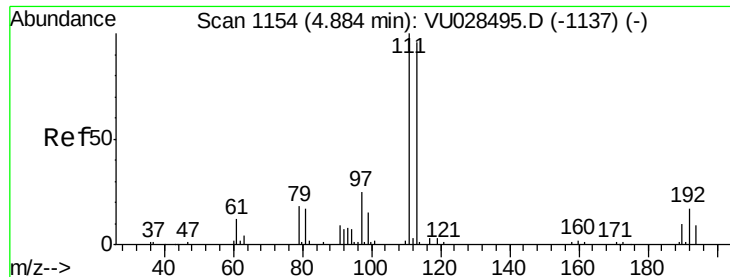
MMDadoda
 12/13/2018 9:29:56 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.0	0.0	49.2
88	16.4	0.0	33.4





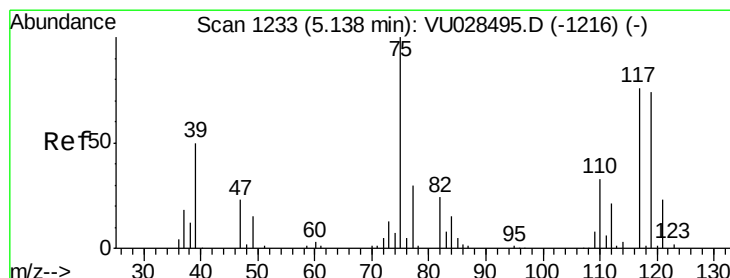
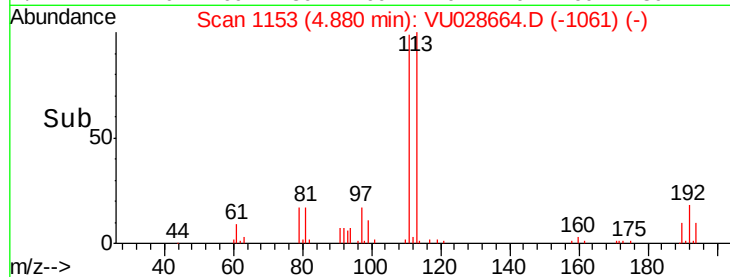
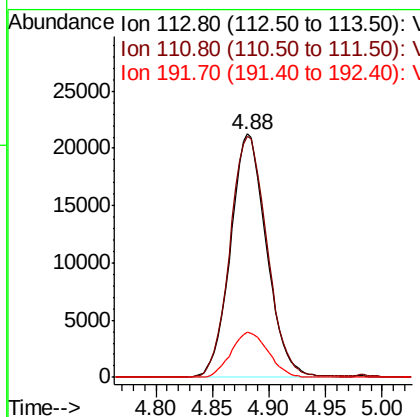
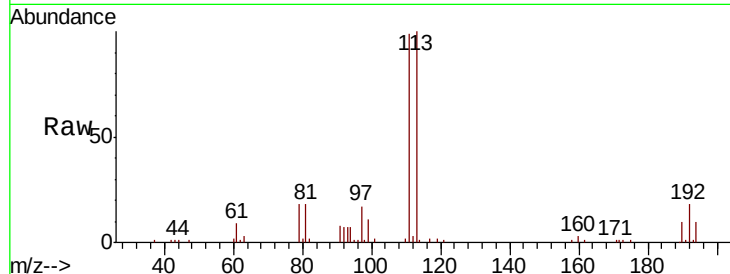
#35
 Dibromofluoromethane
 Concen: 52.434 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.4	125.0
192	19.1	14.8	22.2

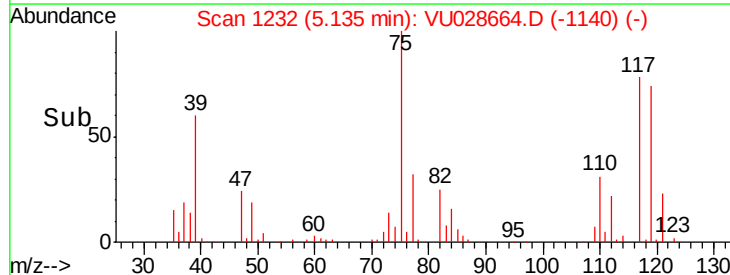
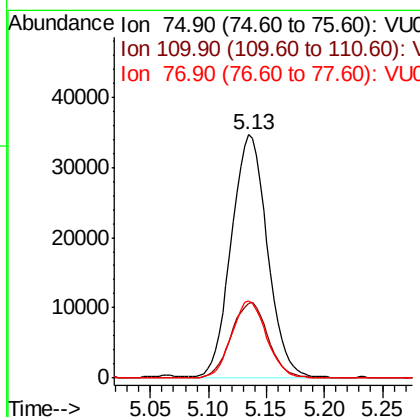
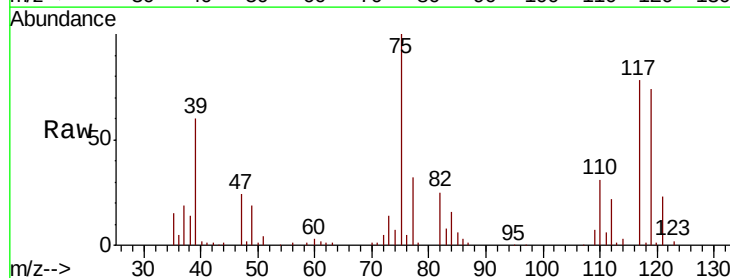
Manual Integrations
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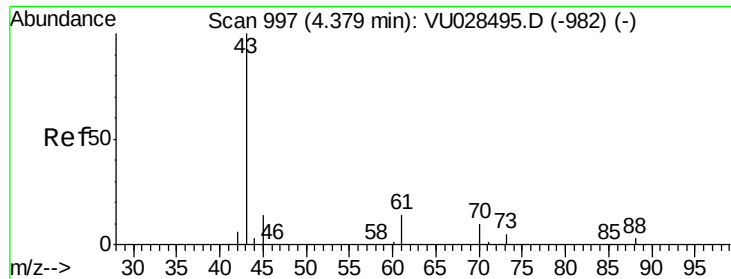
MMDadoda
 12/13/2018 9:29:56 AM



#36
 1,1-Dichloropropene
 Concen: 47.748 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.9	16.1	48.2
77	31.0	24.5	36.7





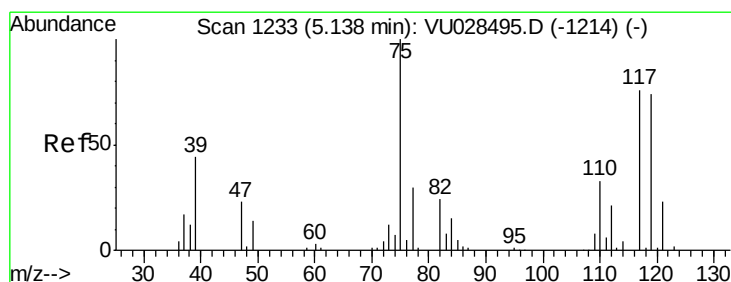
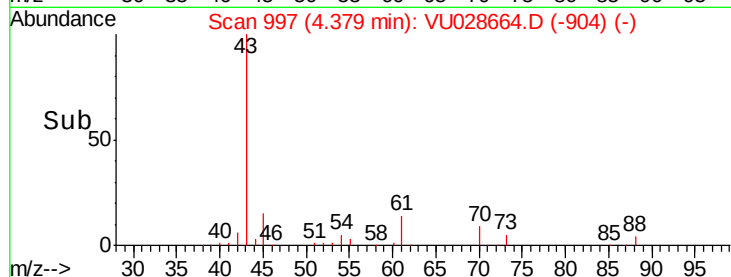
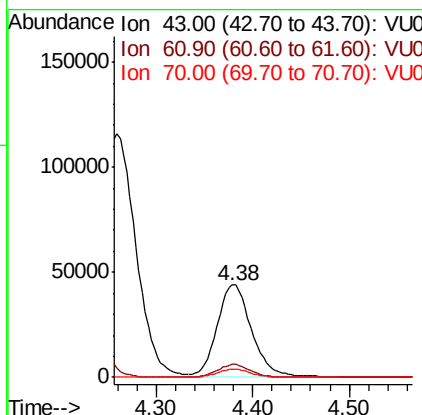
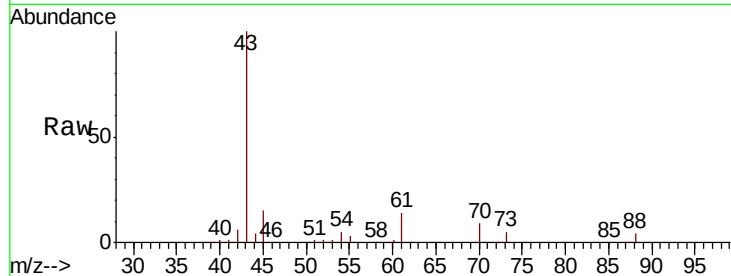
#37
Ethyl Acetate
Concen: 53.499 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.4
70	9.0	7.4	11.0

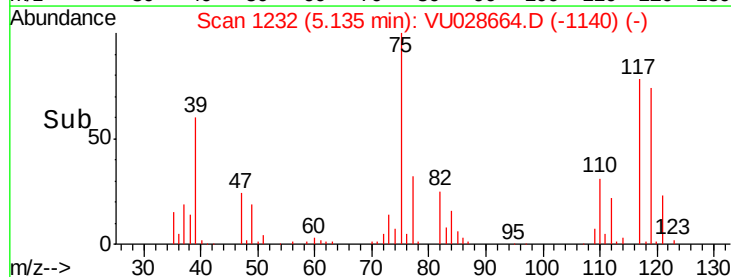
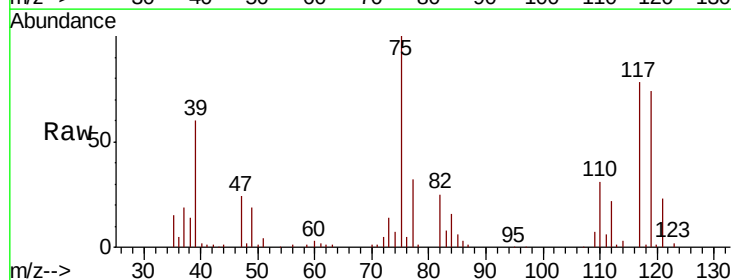
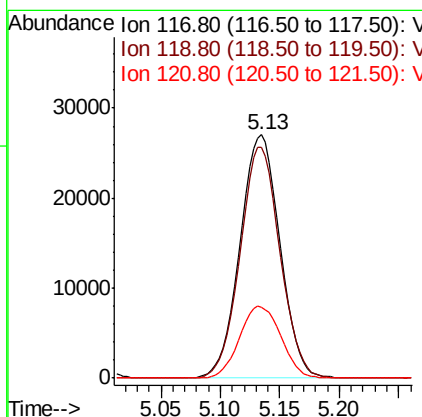
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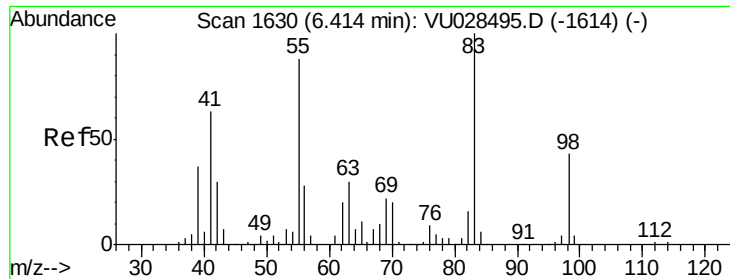
MMDadoda
12/13/2018 9:29:56 AM



#38
Carbon Tetrachloride
Concen: 49.895 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.6	116.4
121	29.1	24.6	36.8





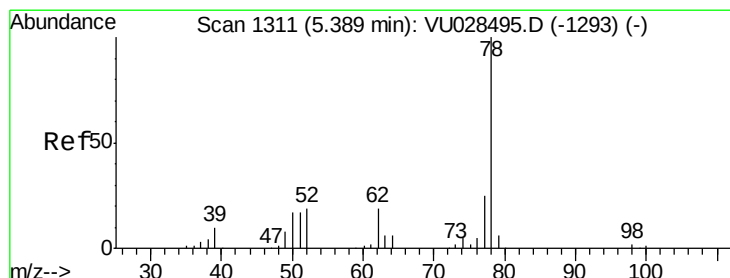
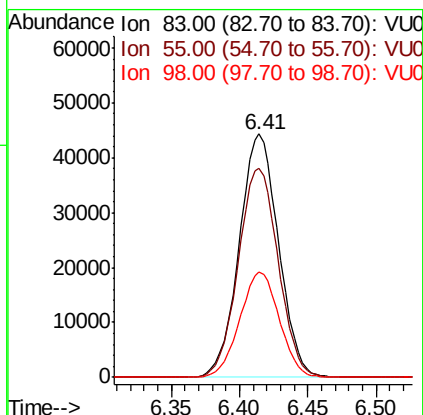
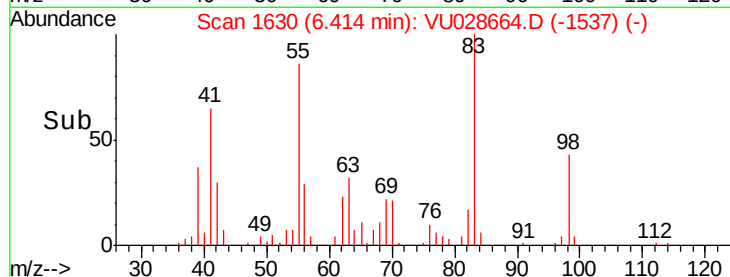
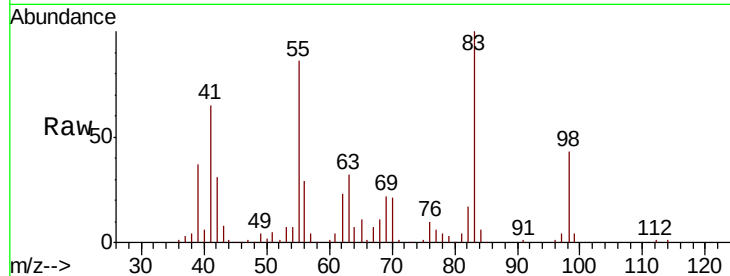
#39
Methylvlcyclohexane
Concen: 46.416 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.9	70.2	105.2
98	43.2	34.2	51.4

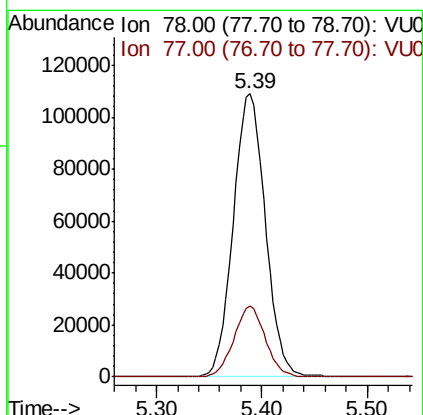
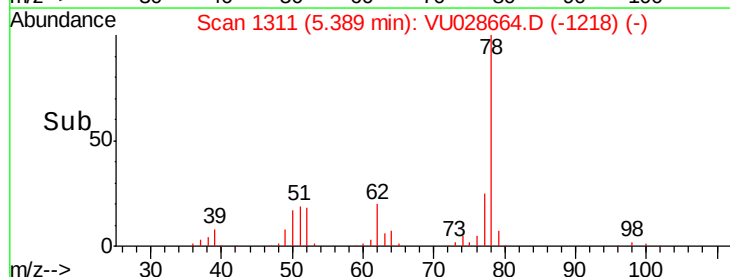
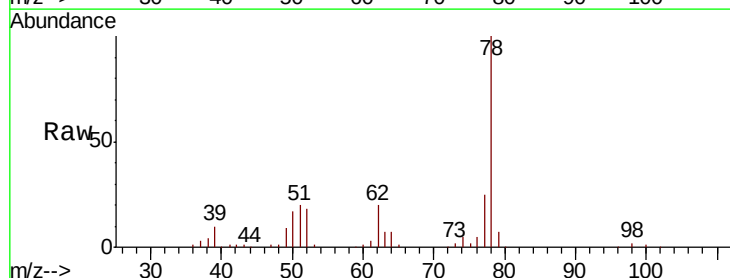
Manual Integrations
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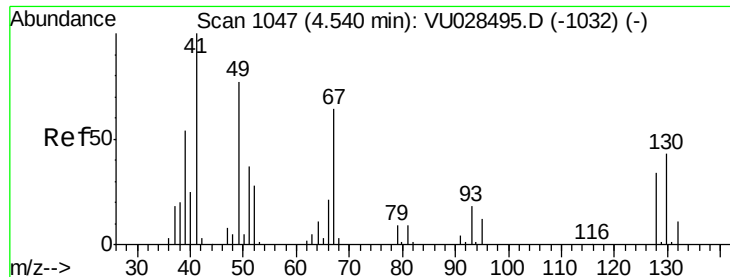
MMDadoda
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#40
Benzene
Concen: 50.104 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.9	29.9





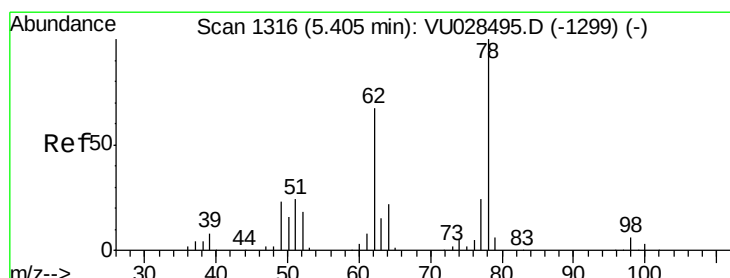
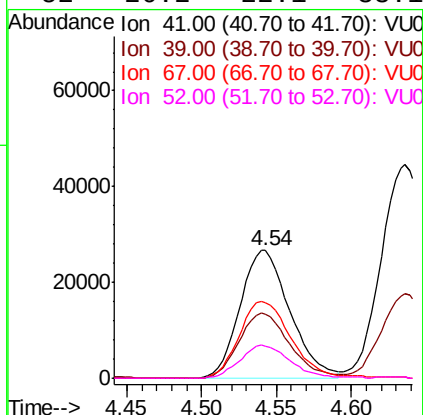
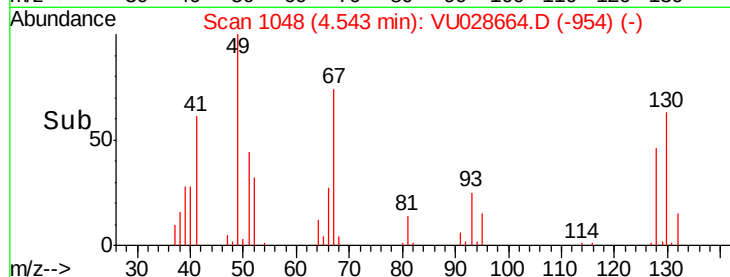
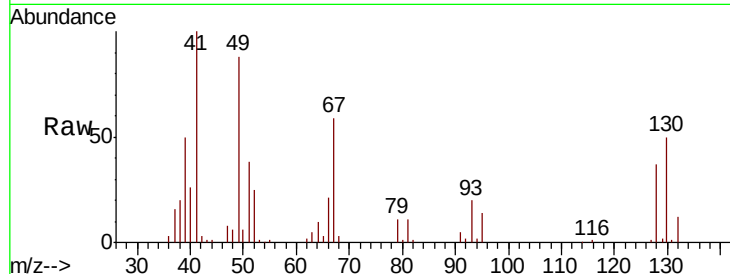
#41
Methacrylonitrile
Concen: 55.994 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.8	43.3	64.9	
67	63.1	53.6	80.4	
52	26.2	22.1	33.1	

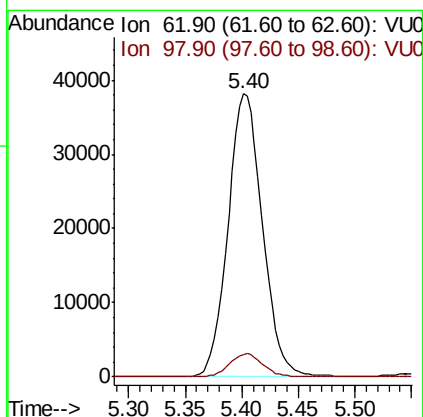
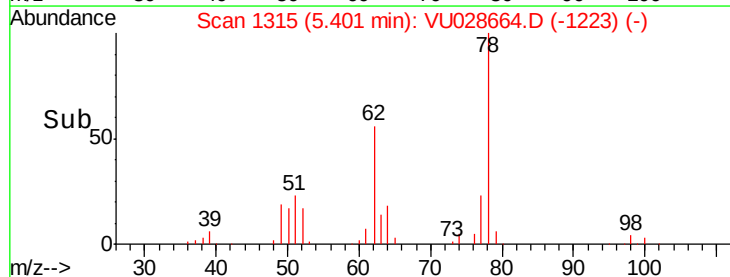
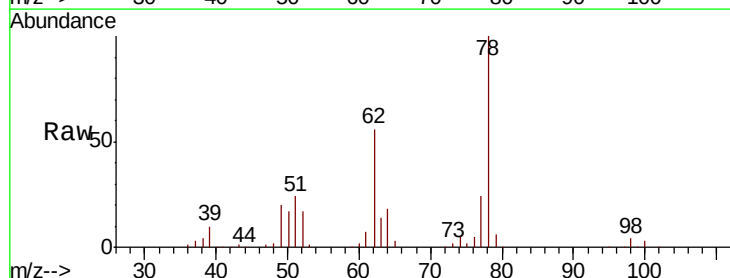
Manual Integrations
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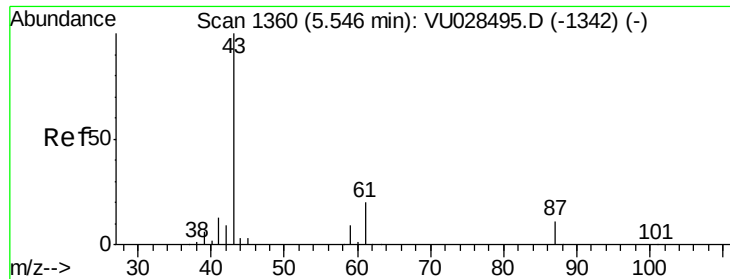
MMDadoda
12/13/2018 9:29:56 AM



#42
1,2-Dichloroethane
Concen: 50.168 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.9	0.0	17.2	





#43

Isopropyl Acetate

Concen: 54.112 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

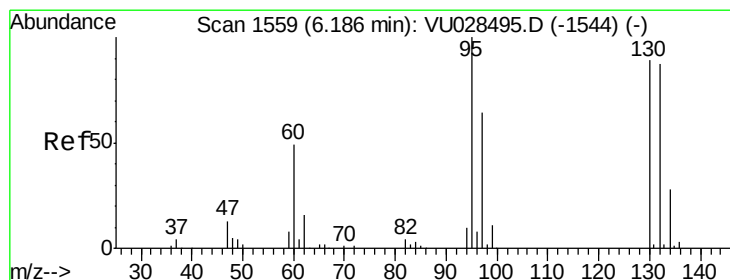
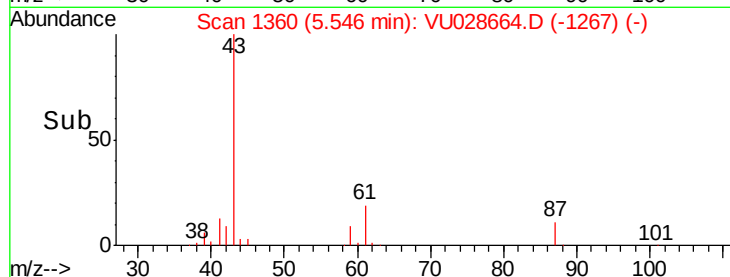
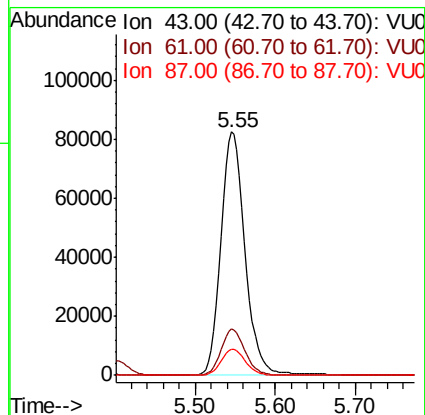
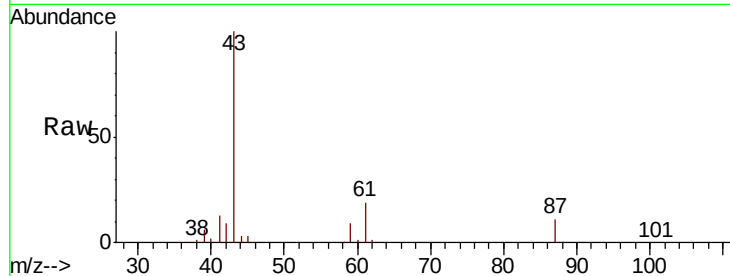
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	172805
Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.5	23.3
87	10.7	8.7	13.1

Manual Integrations
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12/13/2018 9:29:56 AM



#44

Trichloroethene

Concen: 49.581 ug/l

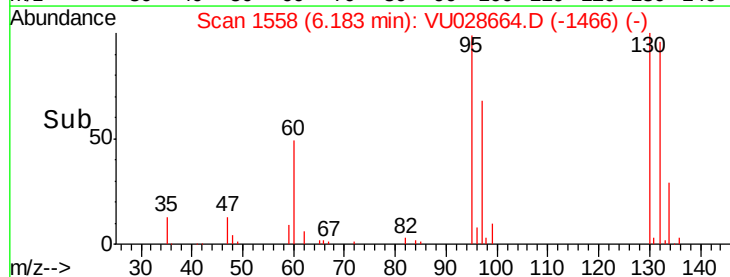
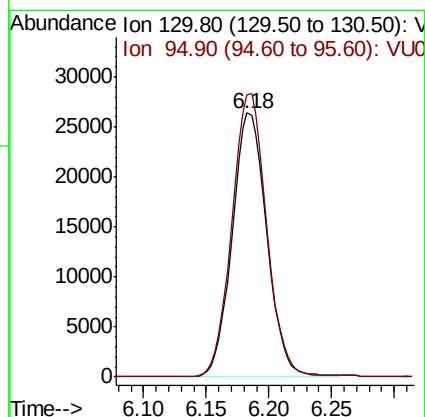
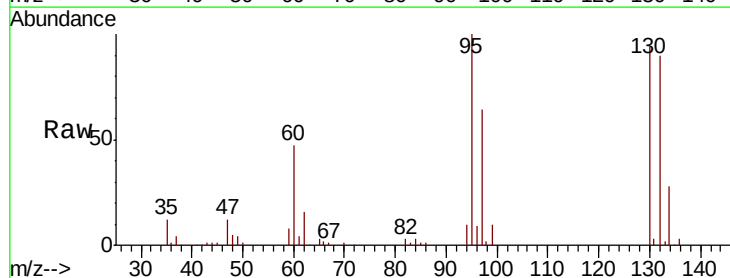
RT: 6.18 min Scan# 1558

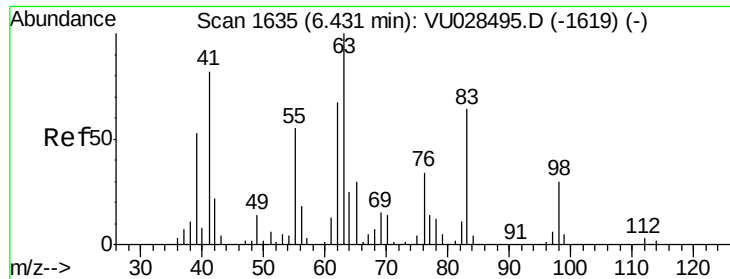
Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Tgt Ion:	130	Resp:	50712
Ion	Ratio	Lower	Upper
130	100		
95	106.8	0.0	224.0





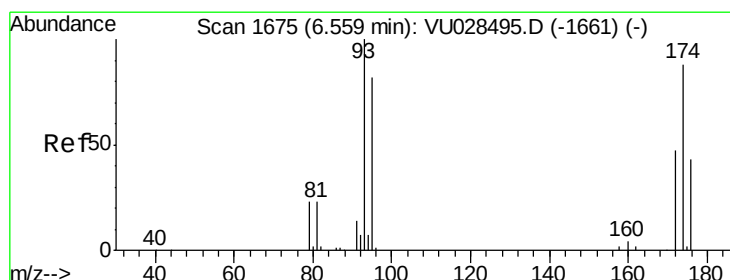
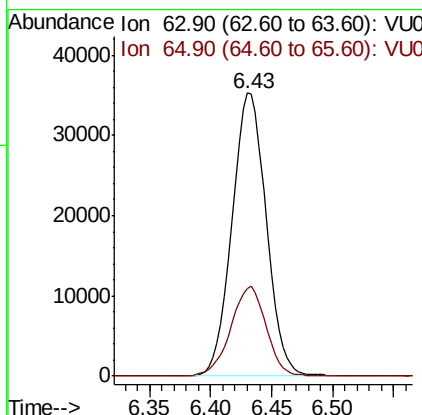
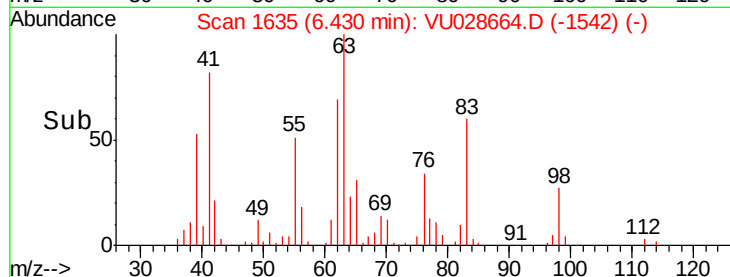
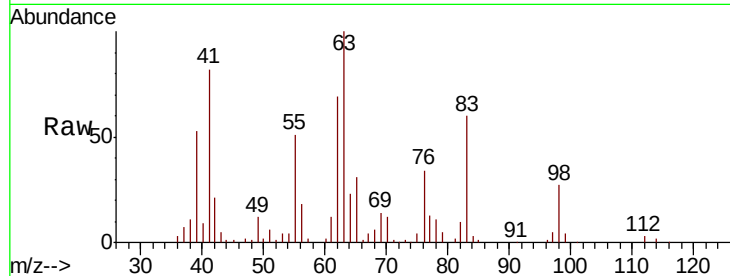
#45
 1,2-Dichloropropane
 Concen: 53.044 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 68615
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.2 36.4

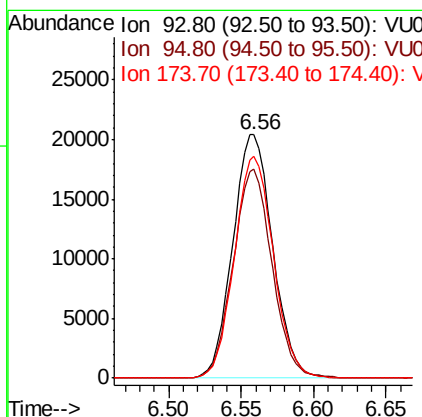
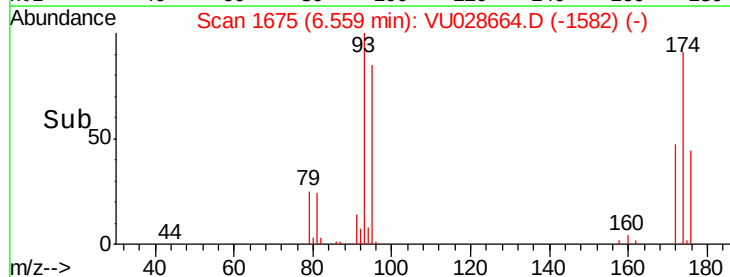
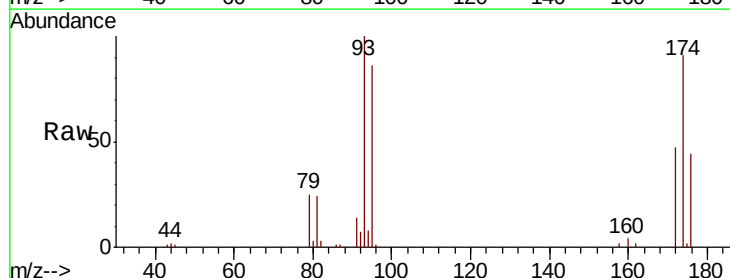
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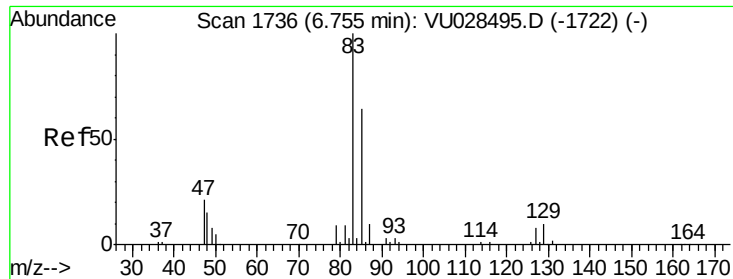
MMDadoda
 12/13/2018 9:29:56 AM



#46
 Dibromomethane
 Concen: 50.776 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Tgt Ion: 93 Resp: 38971
 Ion Ratio Lower Upper
 93 100
 95 83.9 65.4 98.2
 174 89.5 72.2 108.4





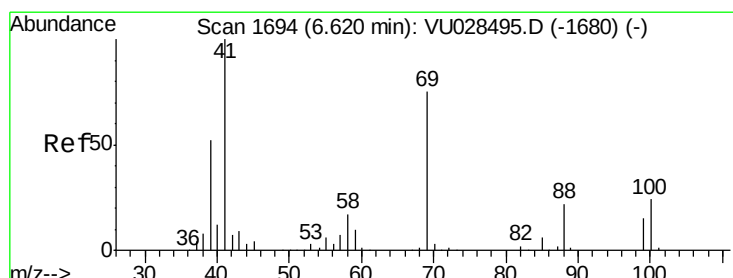
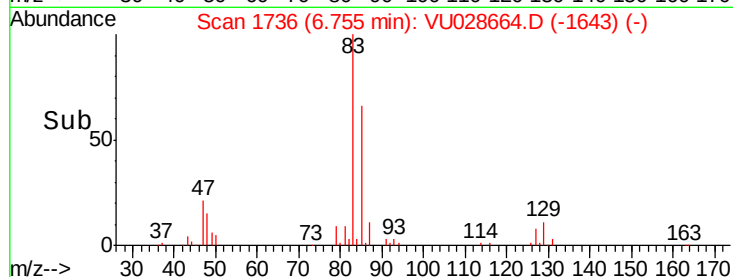
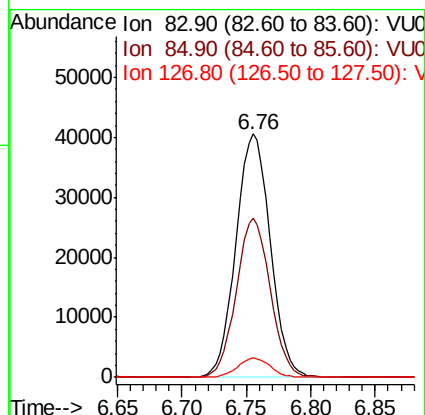
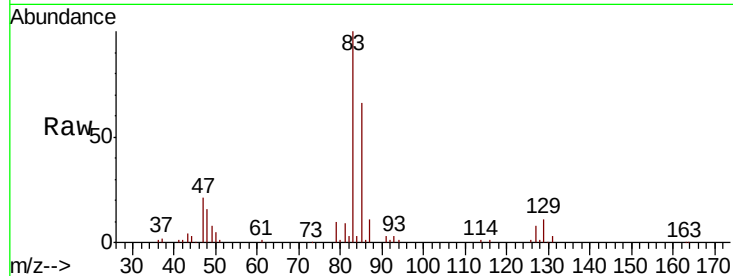
#47
Bromodichloromethane
Concen: 50.403 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	75278
Ion Ratio	100	Lower	Upper
83	100		
85	65.6	51.5	77.3
127	7.8	6.2	9.4

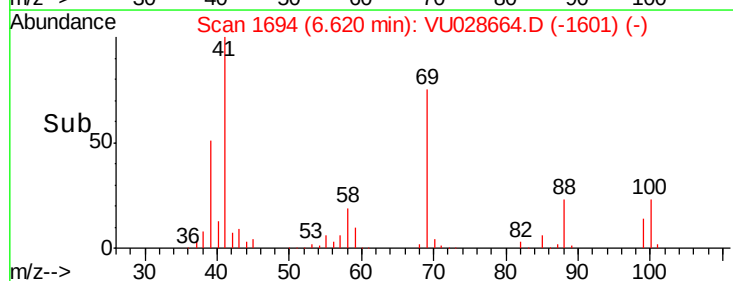
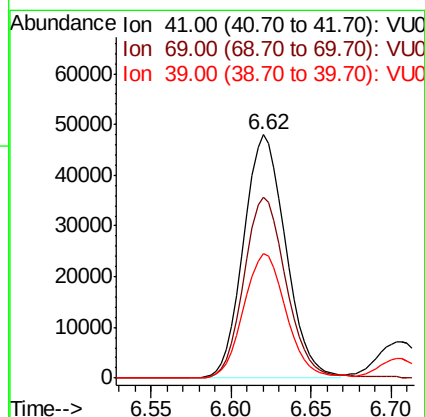
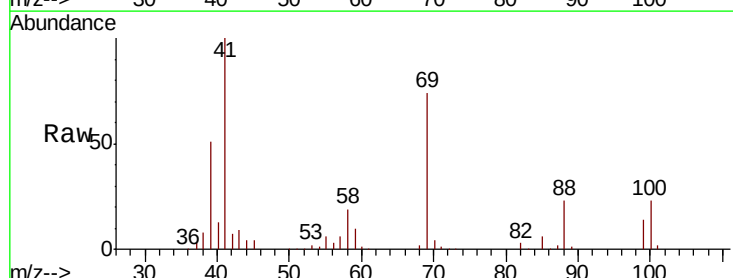
Manual Integrations
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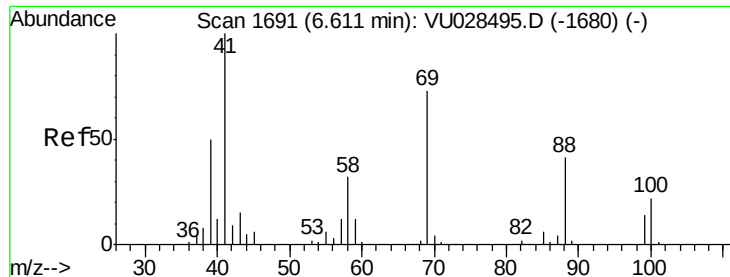
MMDadoda
12/13/2018 9:29:56 AM



#48
Methyl methacrylate
Concen: 54.447 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion	41	Resp	86469
Ion Ratio	100	Lower	Upper
41	100		
69	74.8	60.4	90.6
39	51.7	41.1	61.7





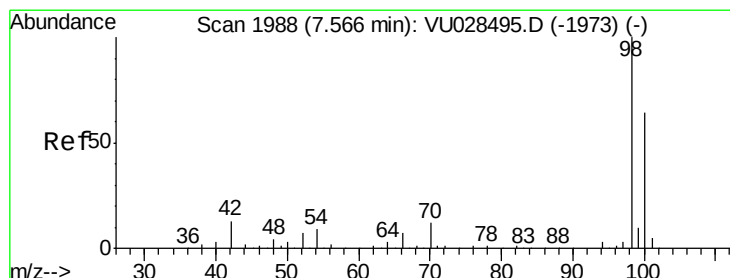
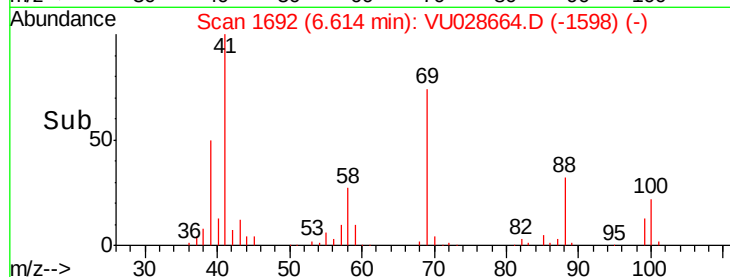
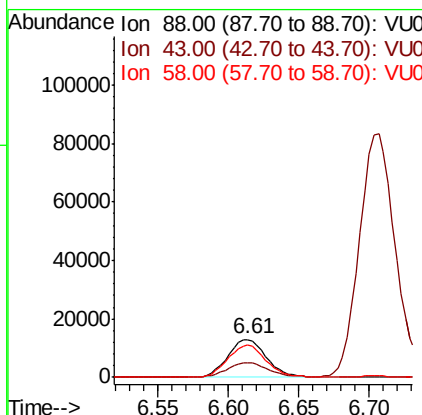
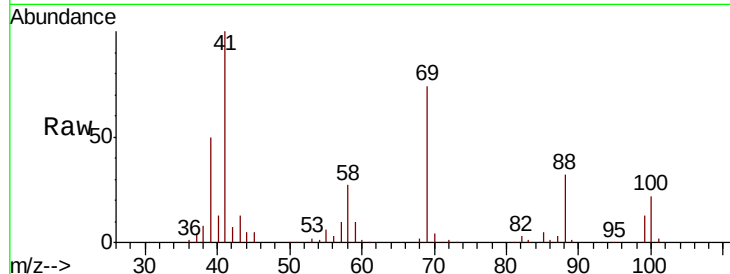
#49
1,4-Dioxane
Concen: 997.450 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.1	30.9	46.3
58	85.4	62.4	93.6

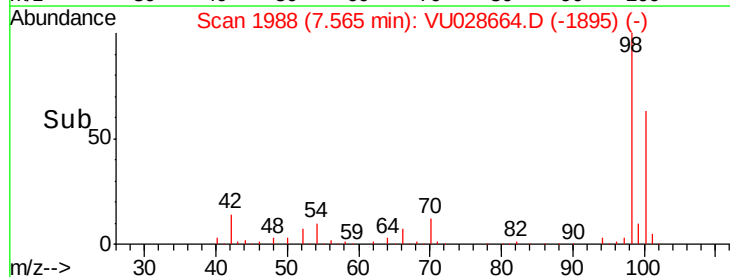
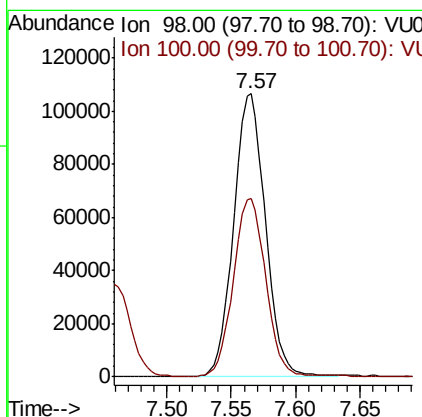
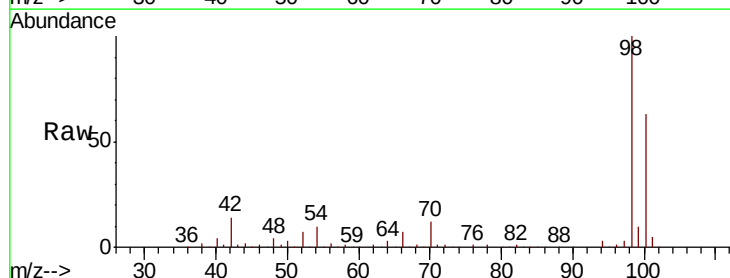
Manual Integrations
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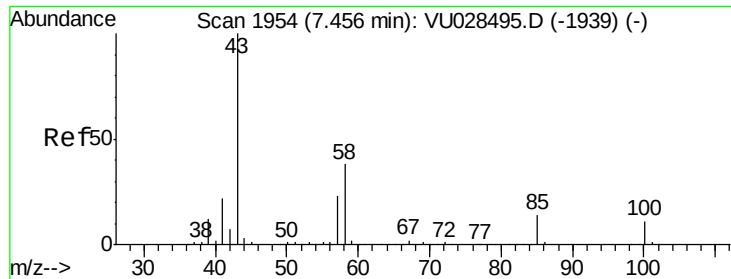
MMDadoda
12/13/2018 9:29:56 AM



#50
Toluene-d8
Concen: 51.480 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 273.781 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 551439

Ion Ratio Lower Upper

43 100

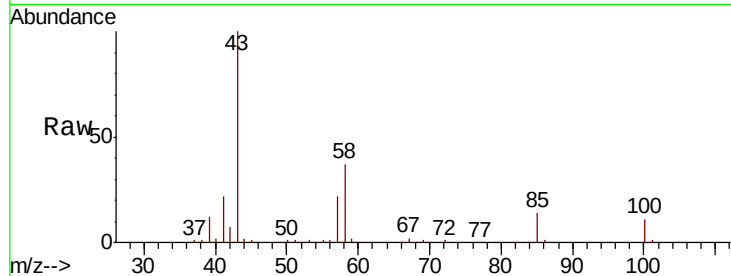
58 37.0 30.2 45.2

Manual Integrations

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MMDadoda

12/13/2018 9:29:56 AM



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)

7.46

300000

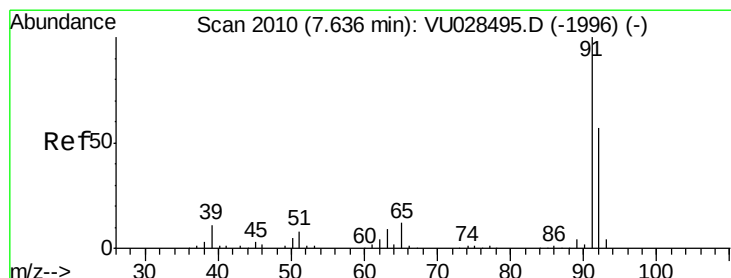
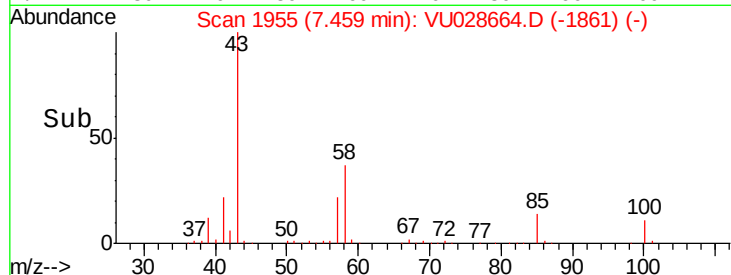
200000

100000

0

7.40 7.50

Time-->



#52

Toluene

Concen: 50.088 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028664.D

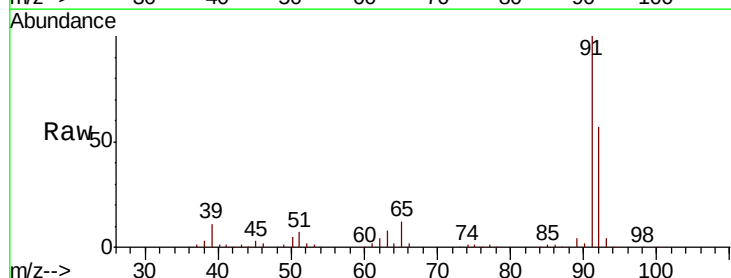
Acq: 12 Dec 2018 20:00

Tgt Ion: 92 Resp: 135598

Ion Ratio Lower Upper

92 100

91 175.1 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU028495.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU028495.D (-1996) (-)

7.64

150000

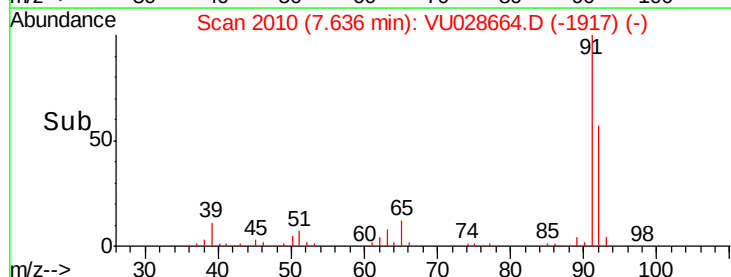
100000

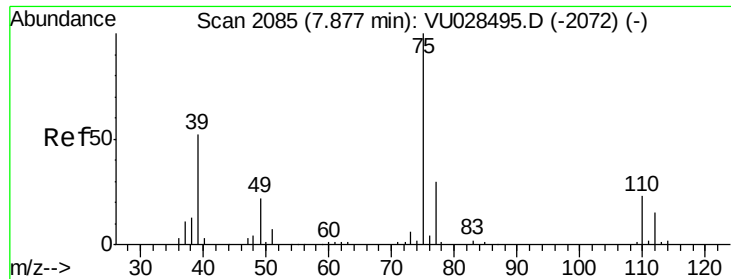
50000

0

7.55 7.60 7.65 7.70 7.75

Time-->





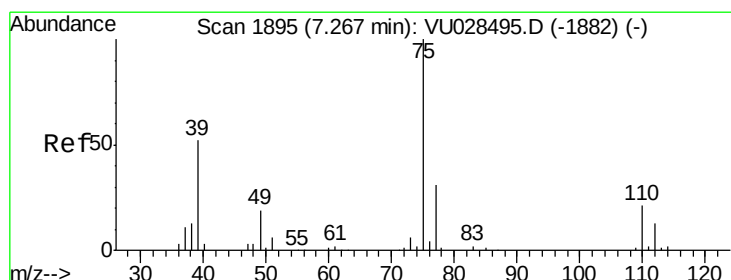
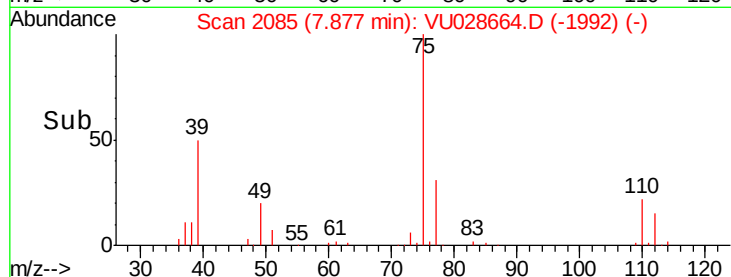
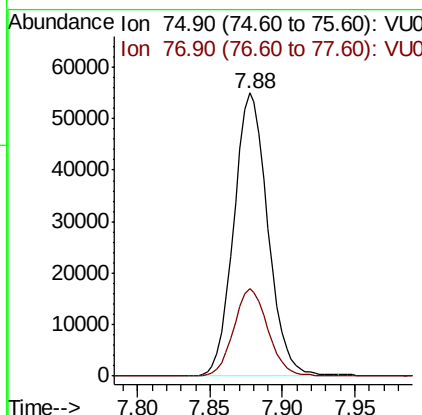
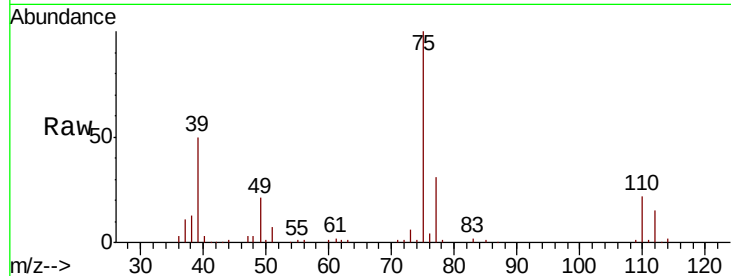
#53
t-1,3-Dichloropropene
Concen: 50.352 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 89564
Ion Ratio Lower Upper
75 100
77 30.8 24.2 36.4

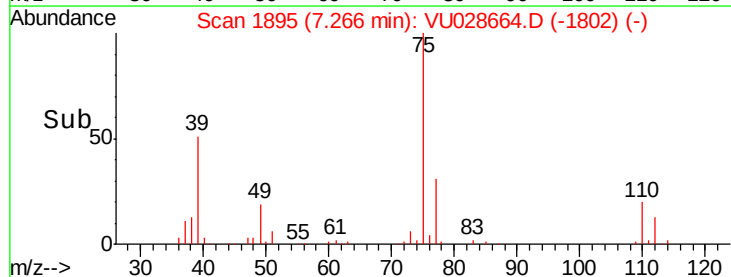
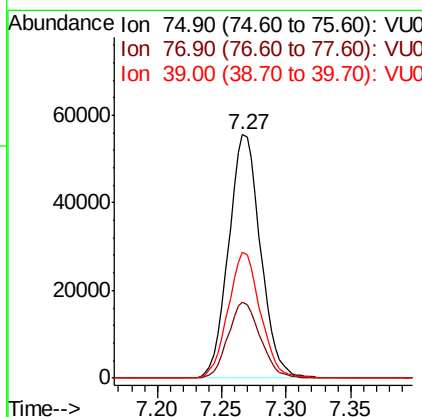
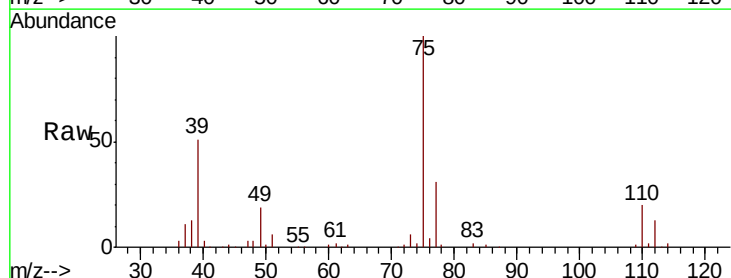
Manual Integrations
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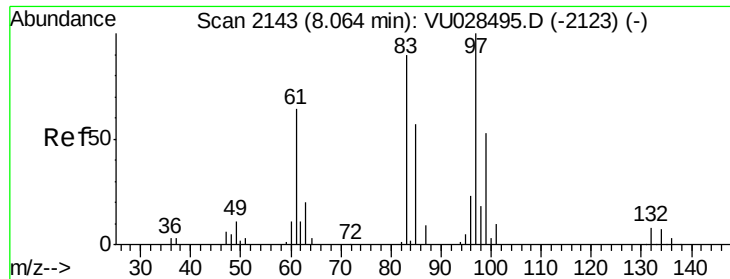
MMDadoda
12/13/2018 9:29:56 AM



#54
cis-1,3-Dichloropropene
Concen: 49.555 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion: 75 Resp: 95632
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.4
39 51.5 41.3 61.9





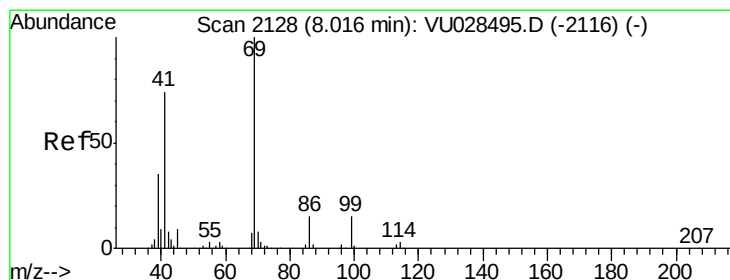
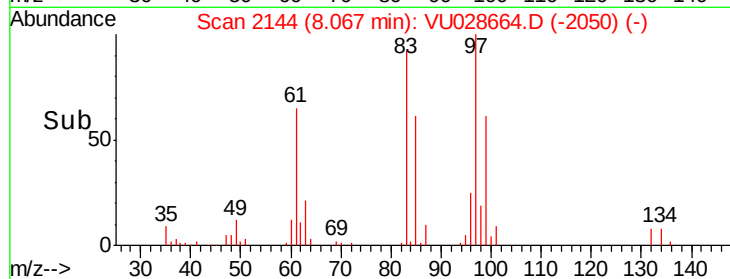
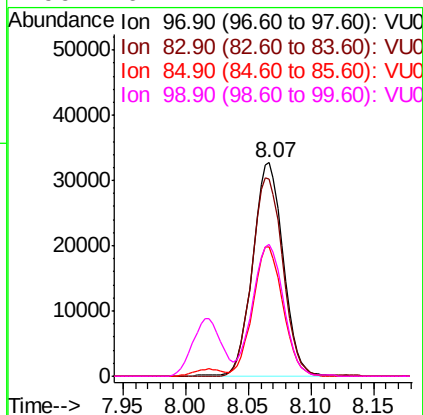
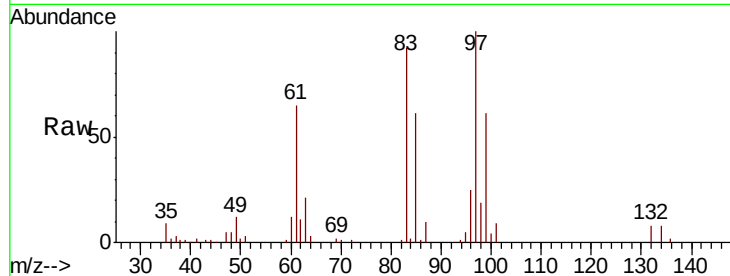
#55
 1,1,2-Trichloroethane
 Concen: 51.946 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	55589
Ion	Ratio	Lower	Upper
97	100		
83	92.1	72.4	108.6
85	60.6	46.0	69.0
99	61.1	47.4	71.2

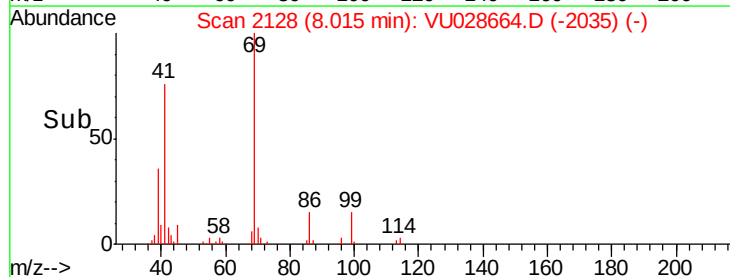
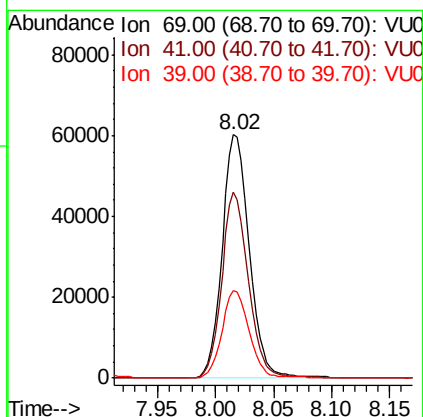
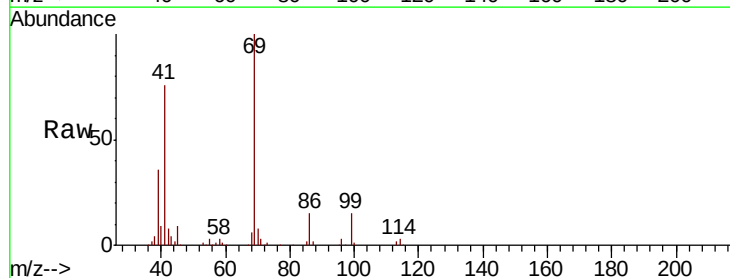
Manual Integrations
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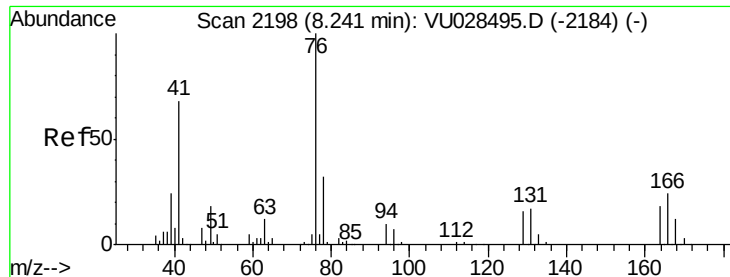
MMDadoda
 12/13/2018 9:29:56 AM



#56
 Ethyl methacrylate
 Concen: 53.672 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Tgt Ion:	69	Resp:	98357
Ion	Ratio	Lower	Upper
69	100		
41	74.6	59.1	88.7
39	36.4	28.4	42.6





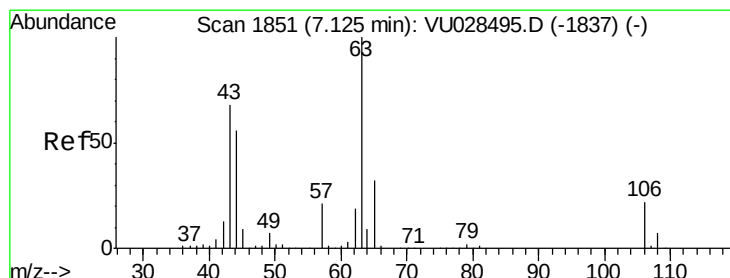
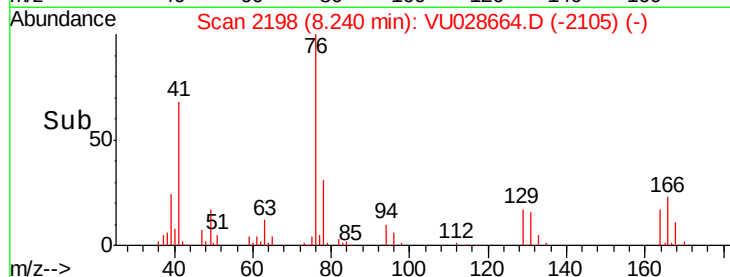
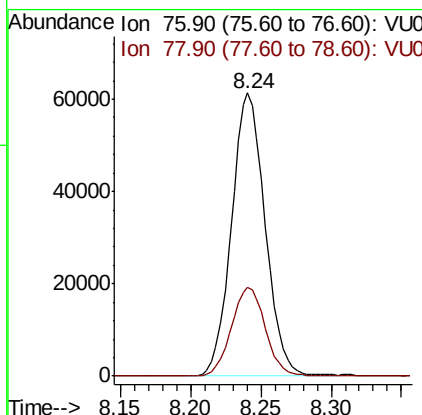
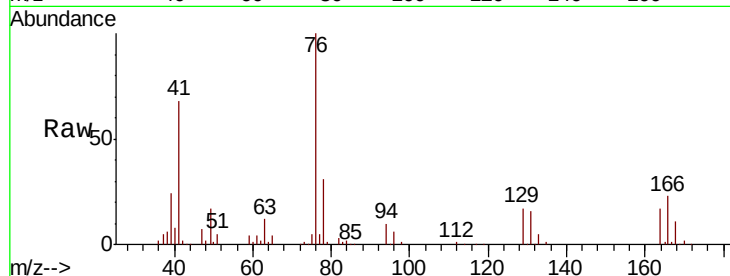
#57
 1,3-Dichloropropane
 Concen: 51.427 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.2	37.8

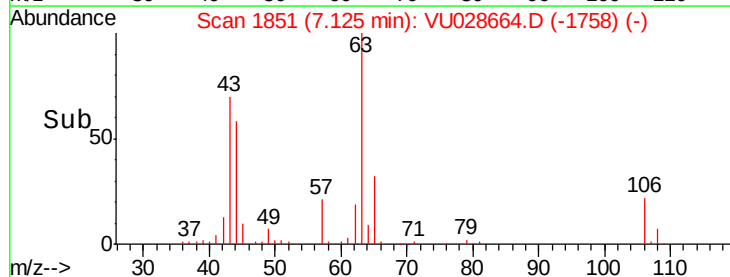
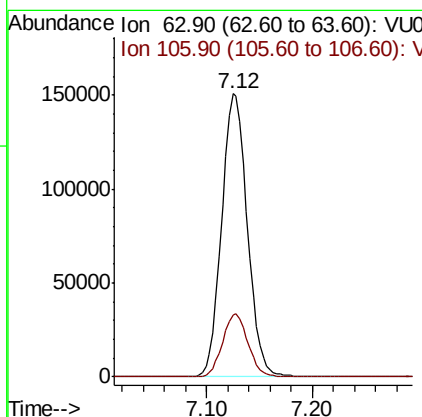
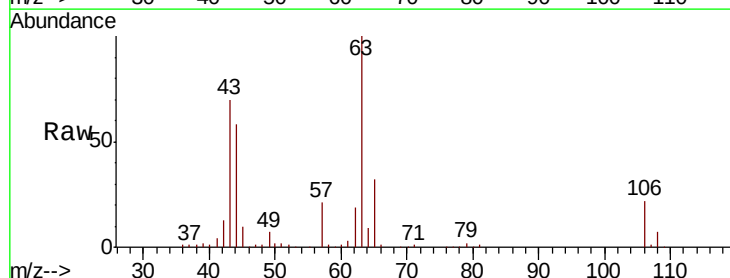
Manual Integrations
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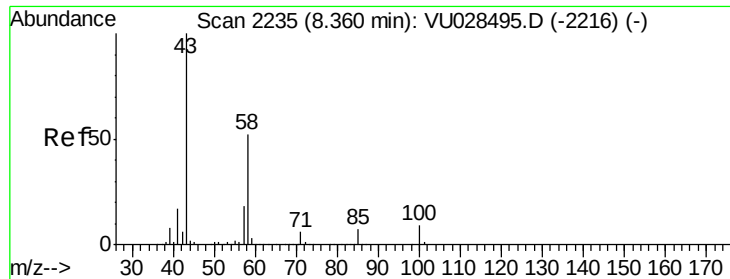
MMDadoda
 12/13/2018 9:29:56 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 270.708 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.0	17.8	26.6





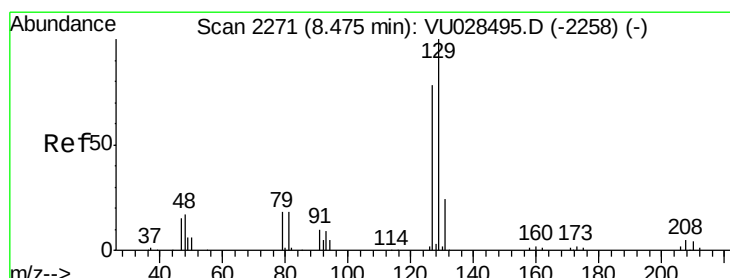
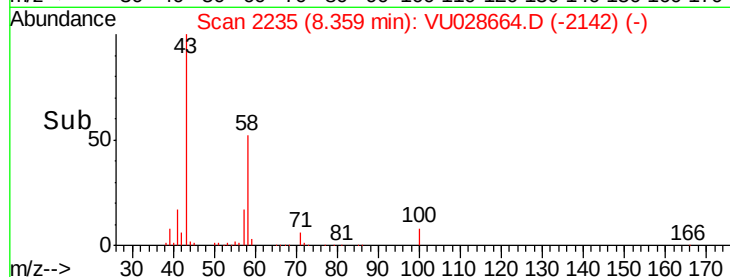
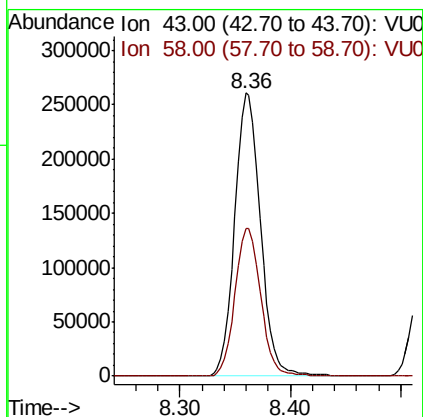
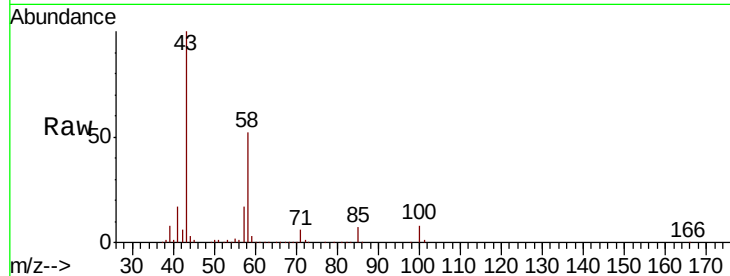
#59
2-Hexanone
Concen: 264.926 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 422938
Ion Ratio Lower Upper
43 100
58 52.4 25.9 77.6

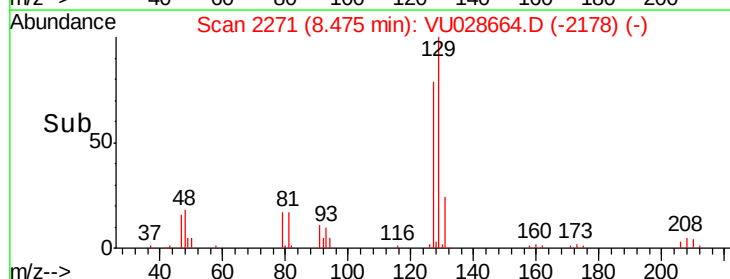
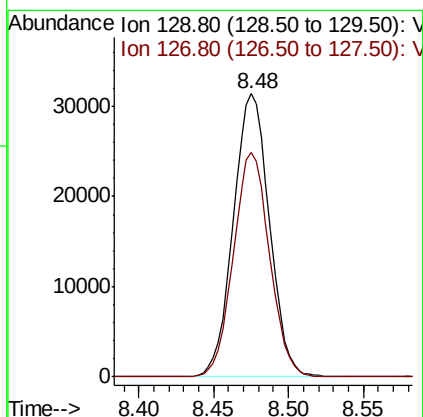
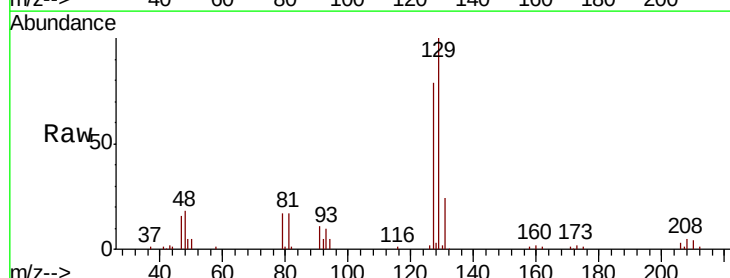
Manual Integrations
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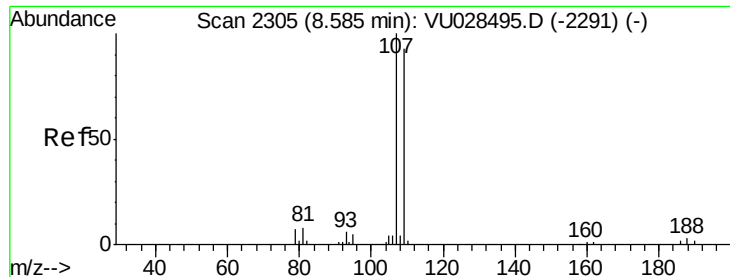
MMDadoda
12/13/2018 9:29:56 AM



#60
Dibromochloromethane
Concen: 50.333 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion: 129 Resp: 52735
Ion Ratio Lower Upper
129 100
127 79.1 39.1 117.3





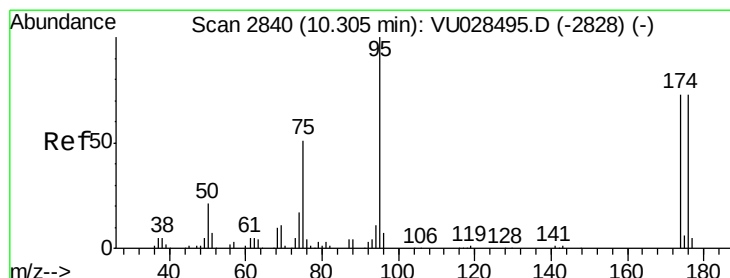
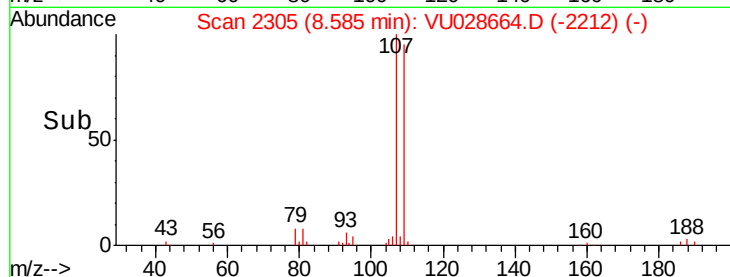
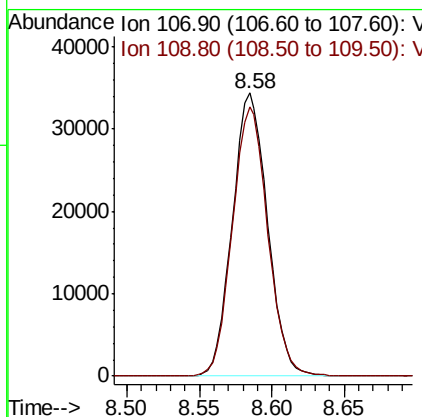
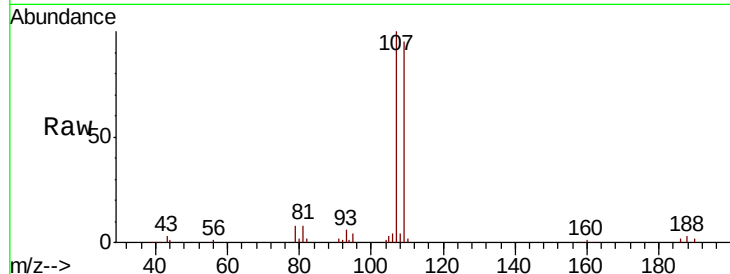
#61
 1,2-Dibromoethane
 Concen: 51.542 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 57841
 Ion Ratio Lower Upper
 107 100
 109 95.6 74.5 111.7

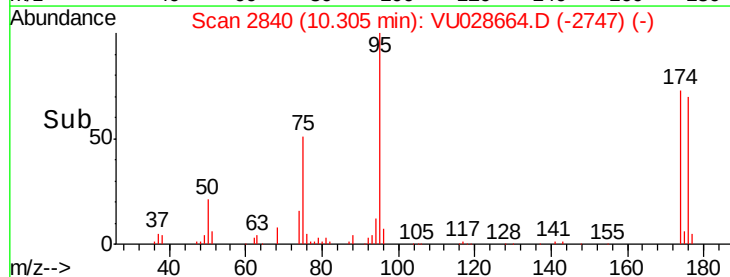
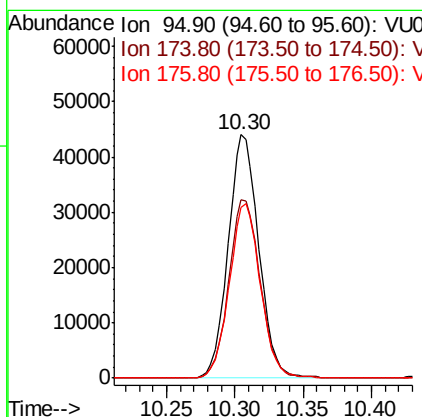
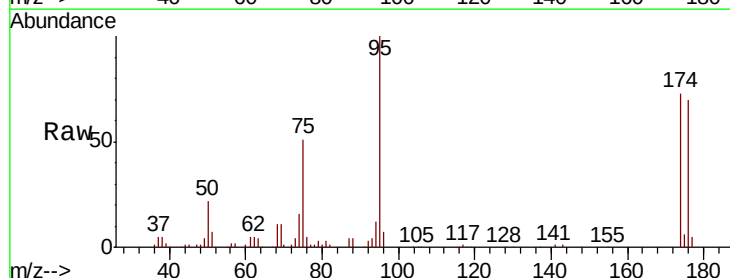
Manual Integrations
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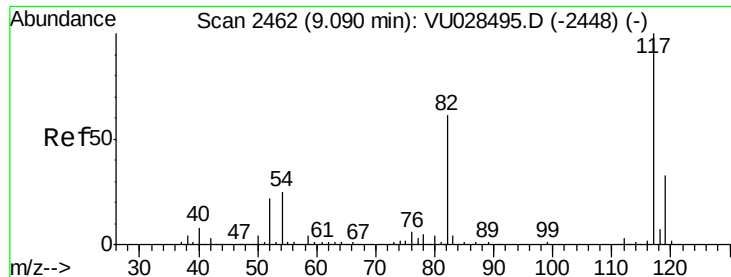
MMDadoda
 12/13/2018 9:29:56 AM



#62
 4-Bromofluorobenzene
 Concen: 51.641 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Tgt Ion: 95 Resp: 68580
 Ion Ratio Lower Upper
 95 100
 174 75.3 0.0 150.4
 176 72.5 0.0 145.2





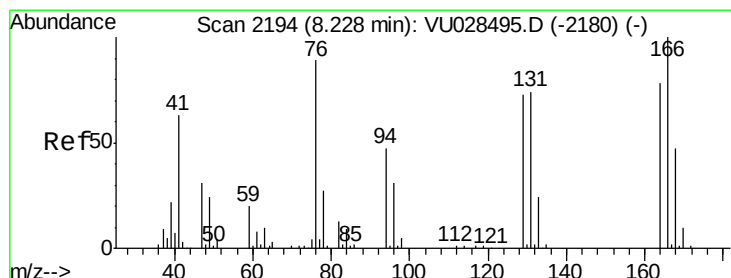
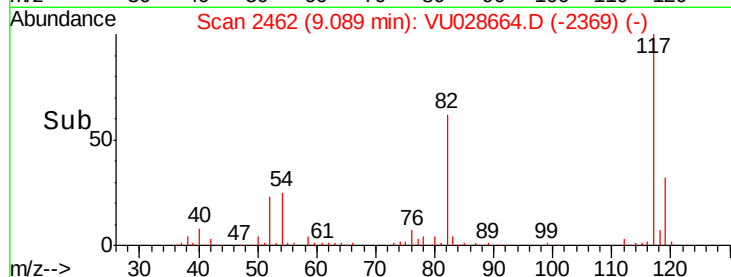
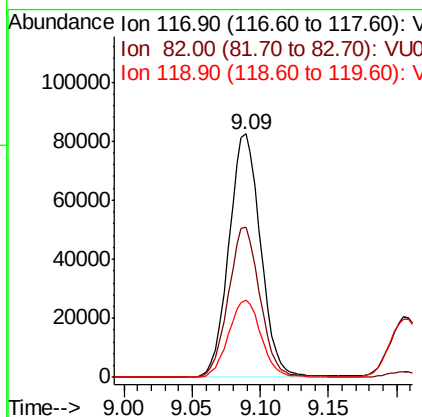
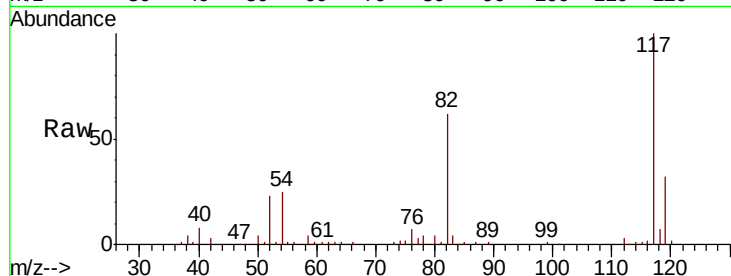
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	48.9	73.3
119	31.7	26.2	39.4

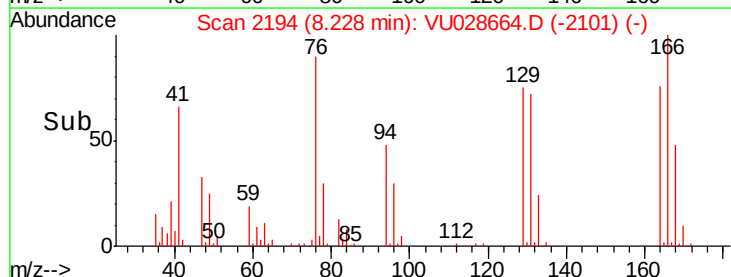
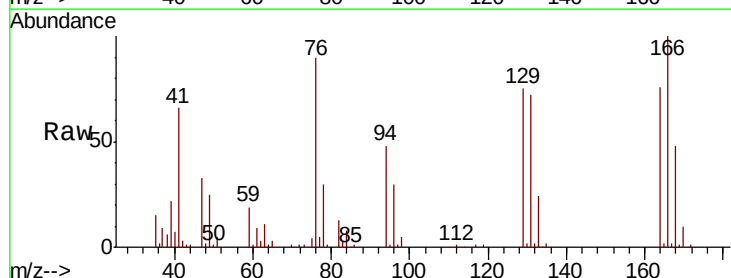
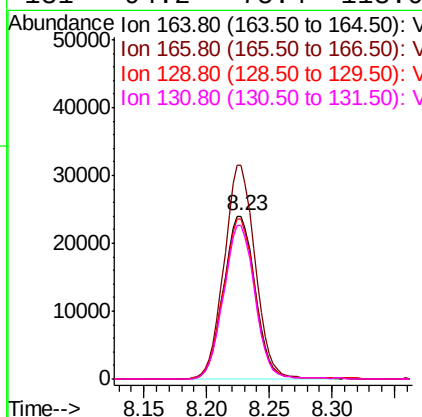
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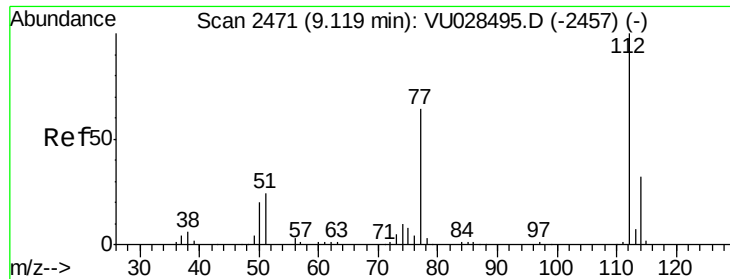
MMDadoda
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#64
Tetrachloroethene
Concen: 47.371 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	101.9	152.9
129	98.0	74.9	112.3
131	94.2	75.4	113.0





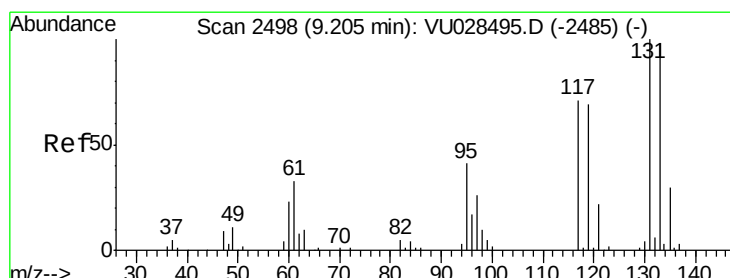
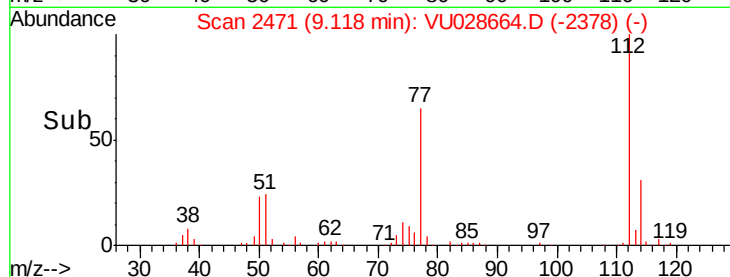
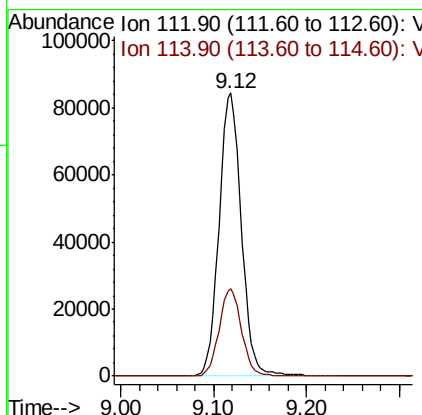
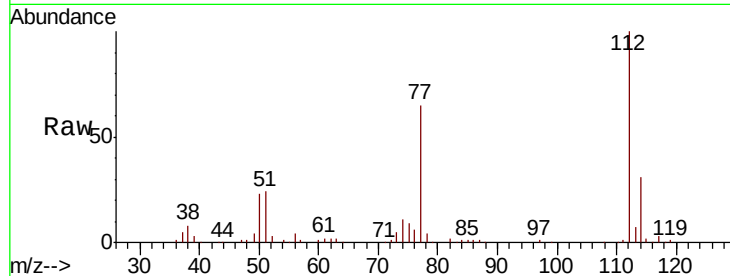
#65
Chlorobenzene
Concen: 49.596 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 140878
Ion Ratio Lower Upper
112 100
114 30.9 25.3 37.9

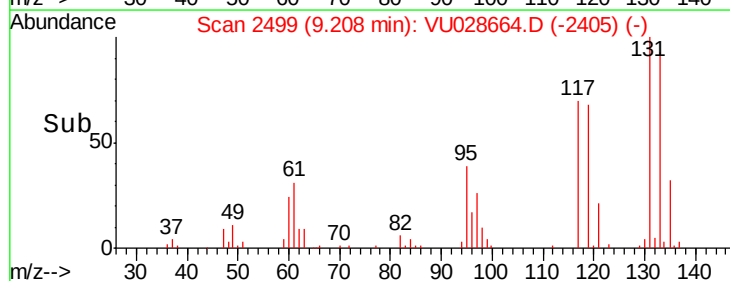
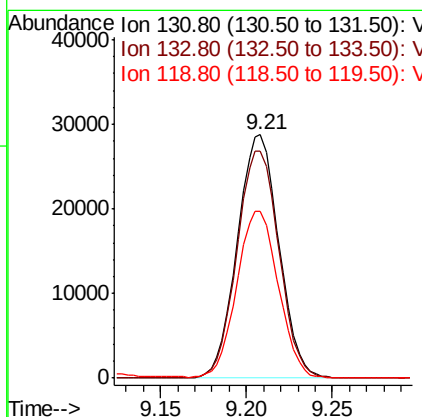
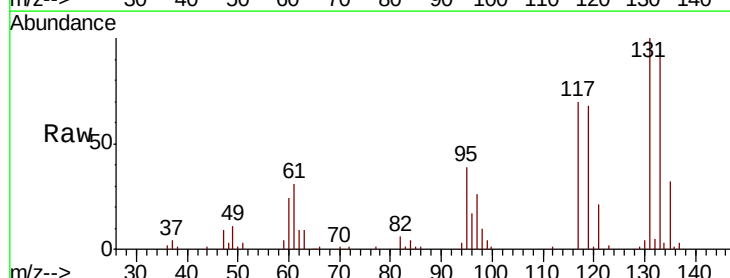
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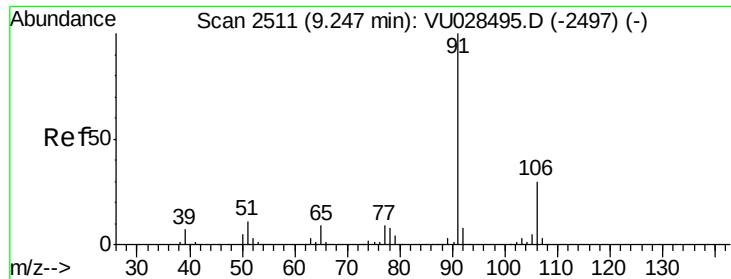
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.160 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion:131 Resp: 48220
Ion Ratio Lower Upper
131 100
133 94.5 48.0 144.0
119 68.7 34.6 103.9





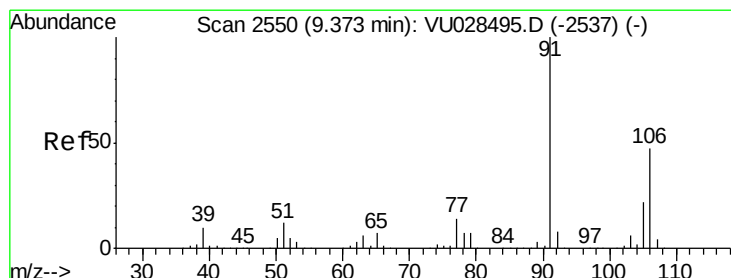
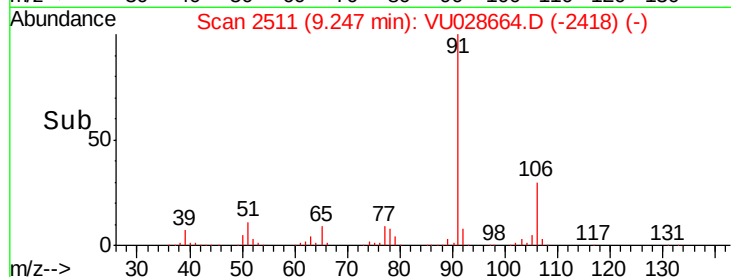
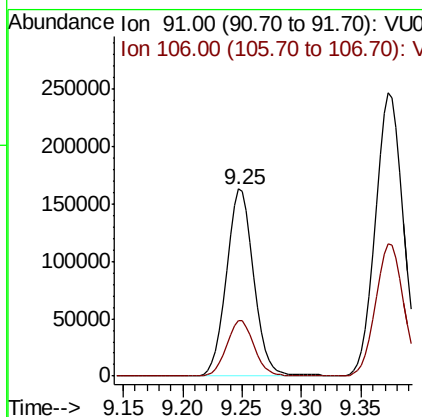
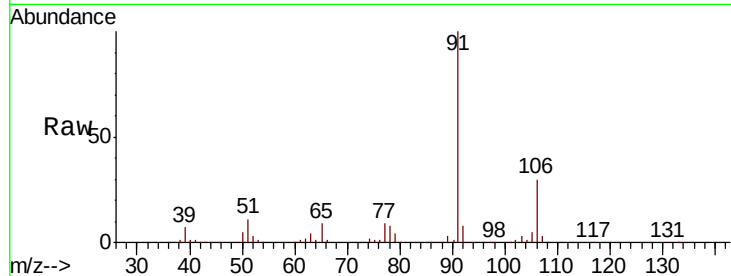
#67
Ethyl Benzene
Concen: 49.815 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 260122
Ion Ratio Lower Upper
91 100
106 29.7 24.1 36.1

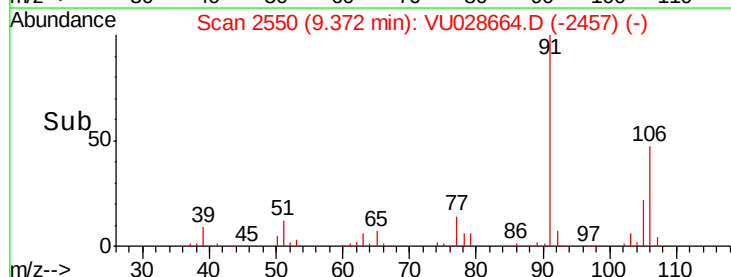
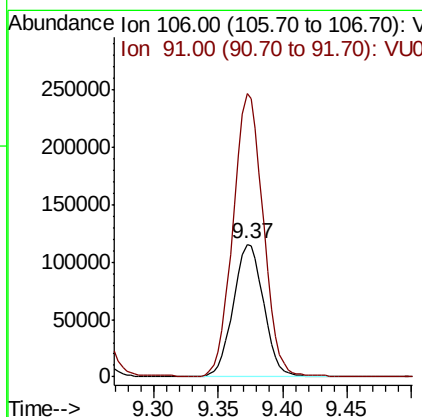
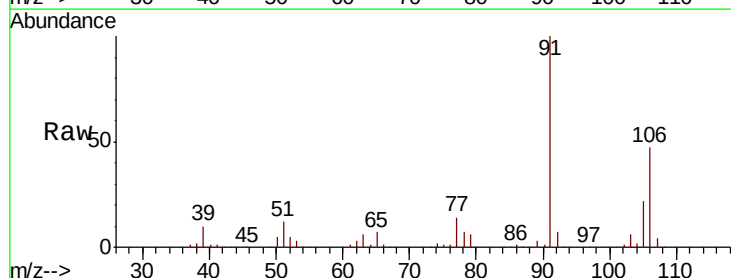
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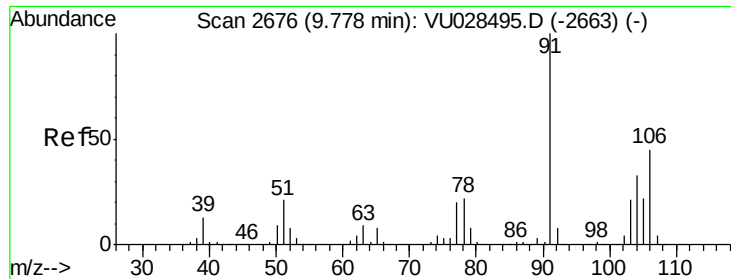
MMDadoda
12/13/2018 9:29:56 AM



#68
m/p-Xylenes
Concen: 99.369 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion: 106 Resp: 188808
Ion Ratio Lower Upper
106 100
91 214.0 167.4 251.0





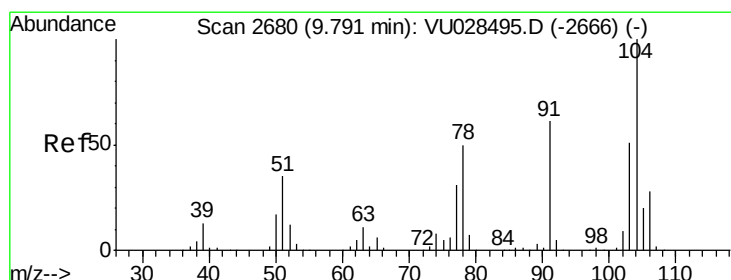
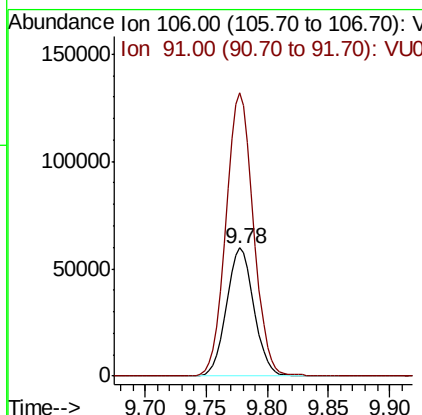
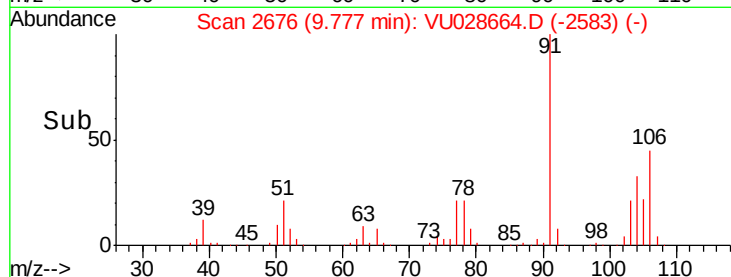
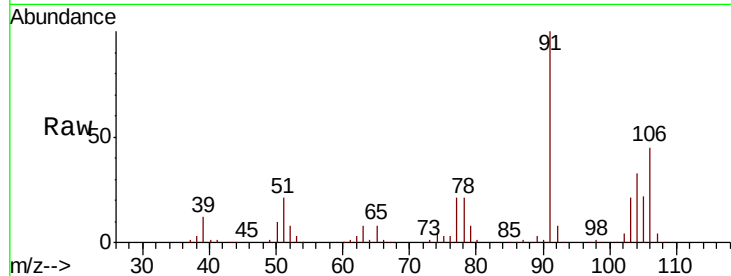
#69
o-Xylene
Concen: 51.246 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 94624
Ion Ratio Lower Upper
106 100
91 220.6 111.3 334.0

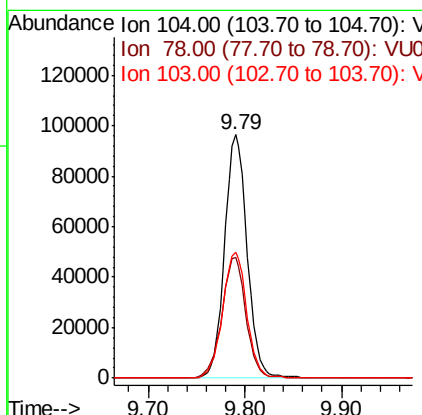
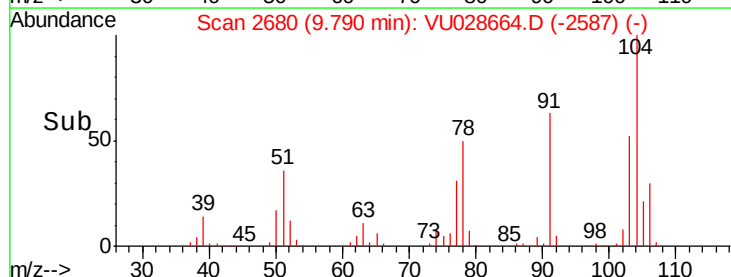
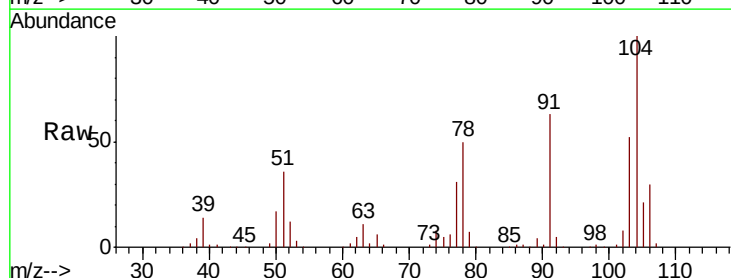
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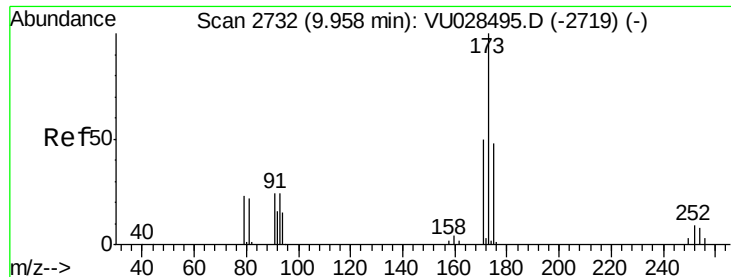
MMDadoda
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#70
Styrene
Concen: 51.045 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion:104 Resp: 155981
Ion Ratio Lower Upper
104 100
78 53.0 43.0 64.6
103 55.5 44.2 66.4





#71

Bromoform

Concen: 53.260 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 41097

Ion Ratio Lower Upper

173 100

175 47.8 23.9 71.8

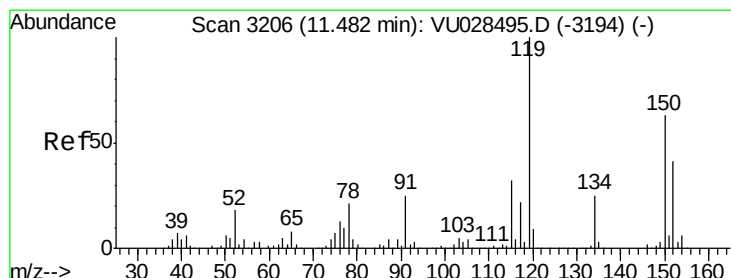
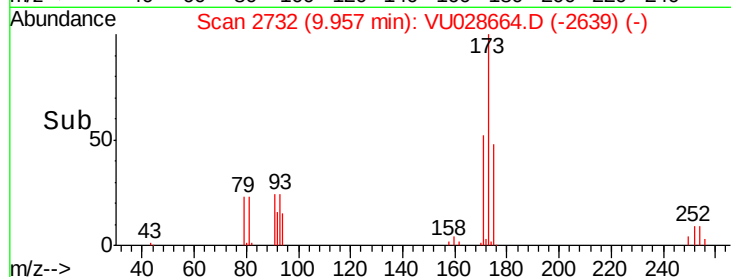
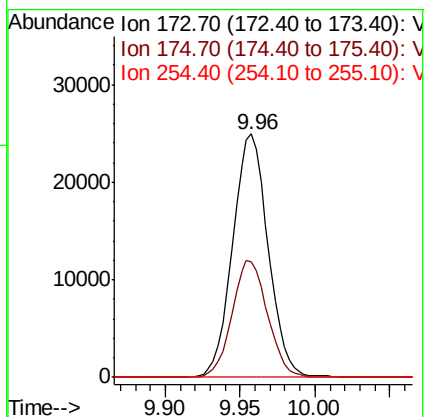
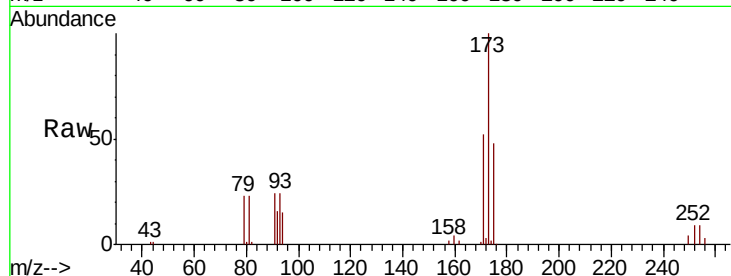
254 0.0 0.0 0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

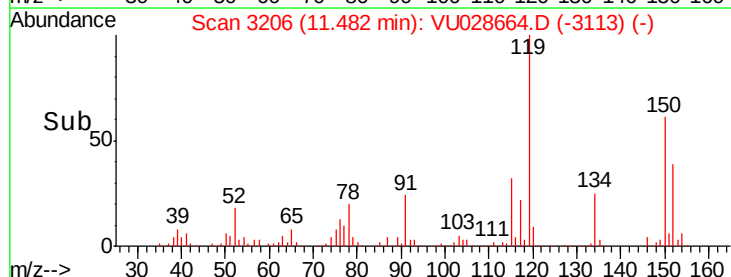
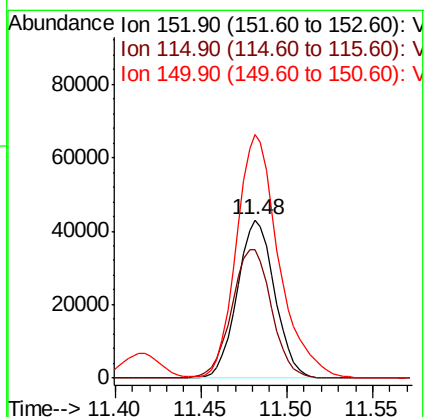
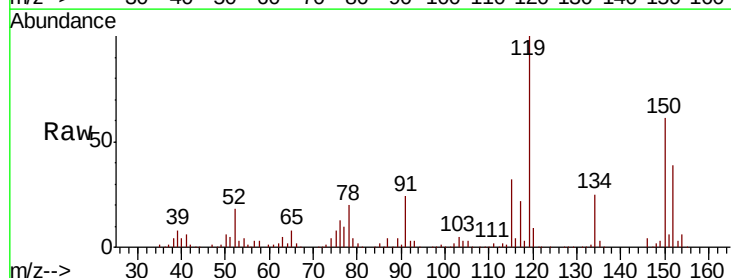
Tgt Ion:152 Resp: 65104

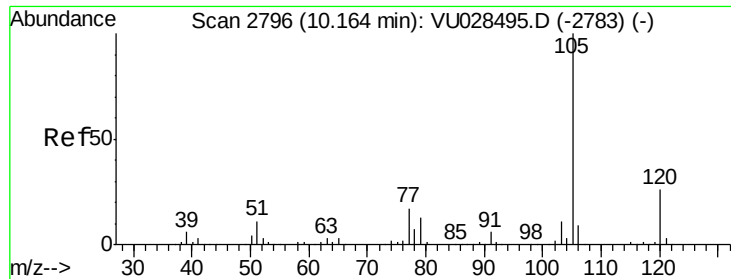
Ion Ratio Lower Upper

152 100

115 86.8 42.7 128.1

150 174.6 0.0 346.0





#73

Isopropylbenzene

Concen: 49.849 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 249030

Ion Ratio Lower Upper

105 100

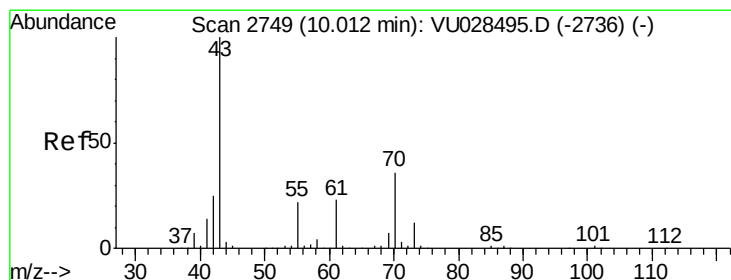
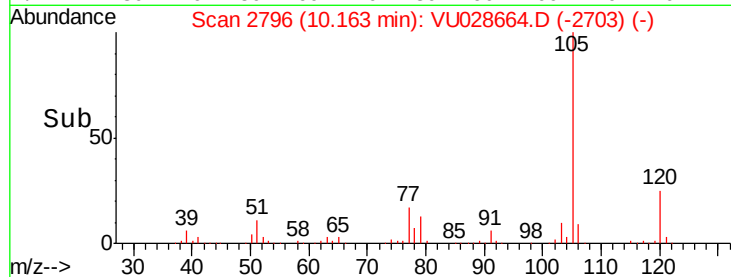
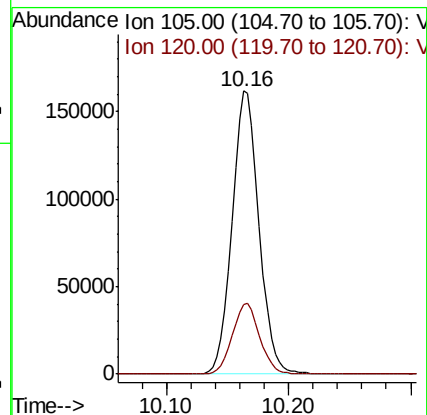
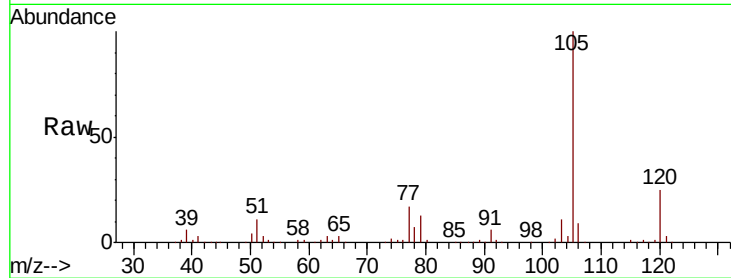
120 25.5 12.9 38.6

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#74

N-ethyl acetate

Concen: 52.802 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Tgt Ion: 43 Resp: 152156

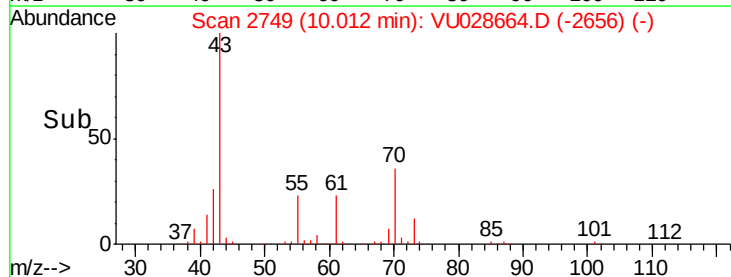
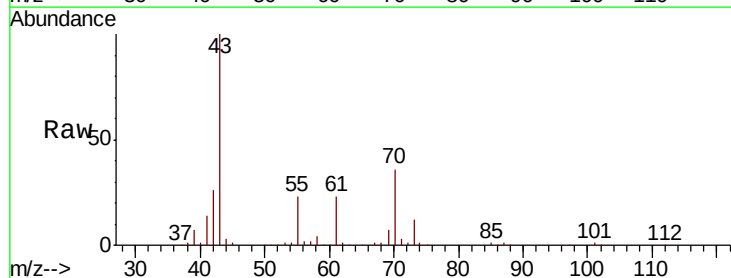
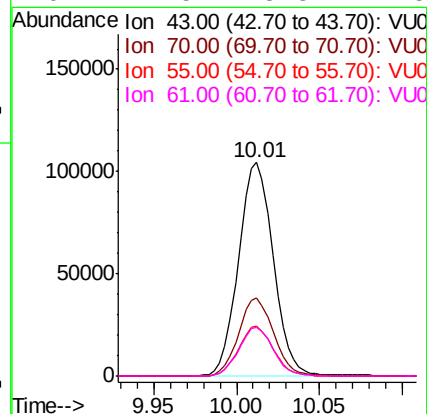
Ion Ratio Lower Upper

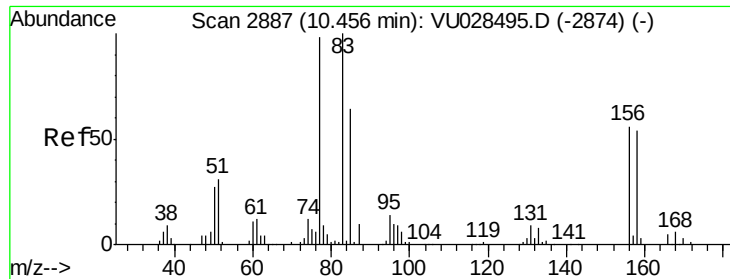
43 100

70 36.9 29.3 43.9

55 23.3 18.0 27.0

61 22.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 53.784 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

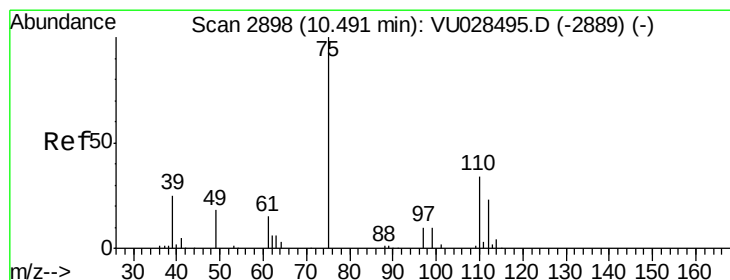
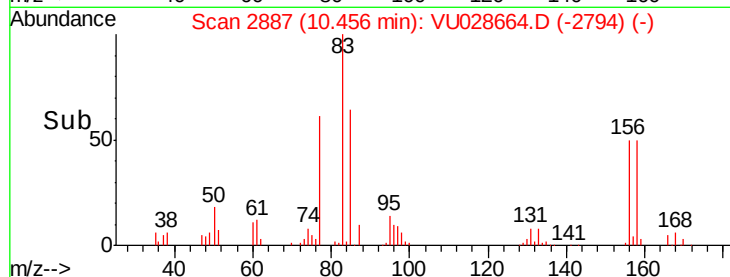
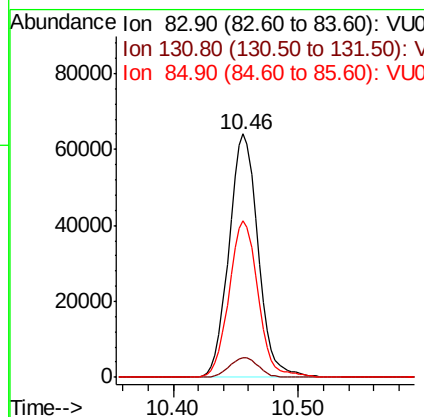
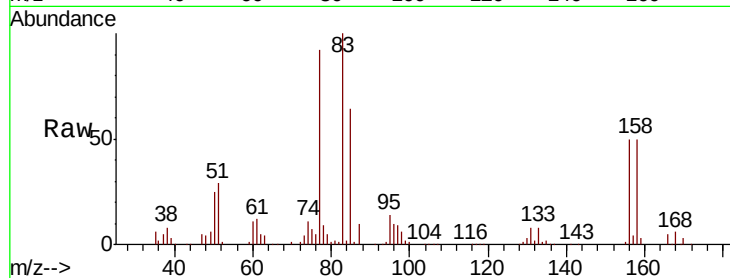
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	103215
Ion Ratio	Lower	Upper	
83	100		
131	8.0	4.2	12.4
85	64.4	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.766 ug/l m

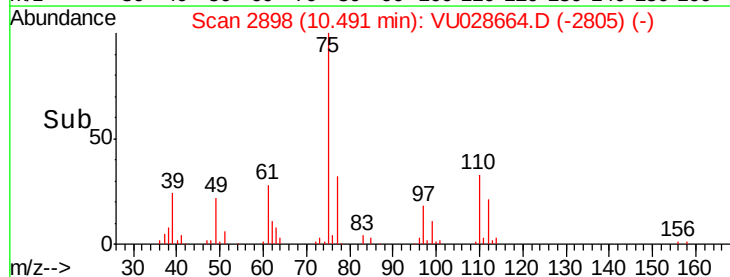
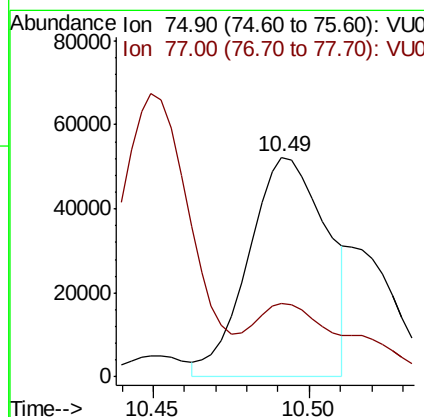
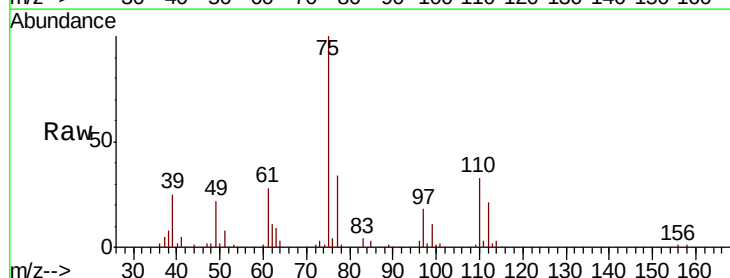
RT: 10.49 min Scan# 2898

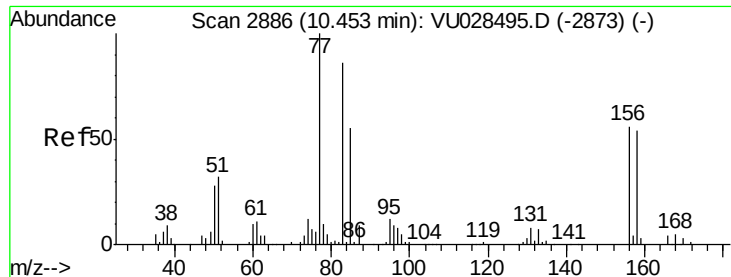
Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Tgt Ion:	75	Resp:	91046
Ion Ratio	Lower	Upper	
75	100		
77	41.4	20.8	62.4





#77

Bromobenzene

Concen: 49.918 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Instrument :

MSVOA_U

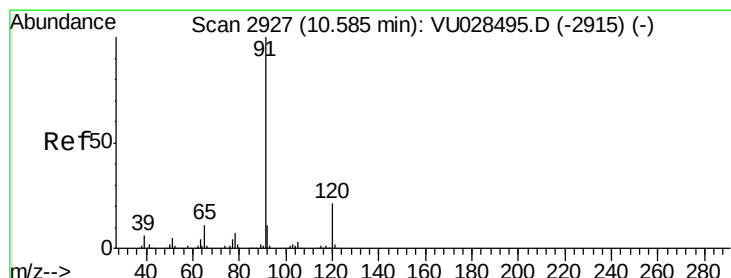
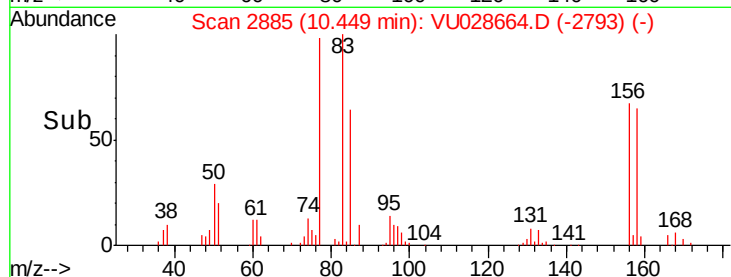
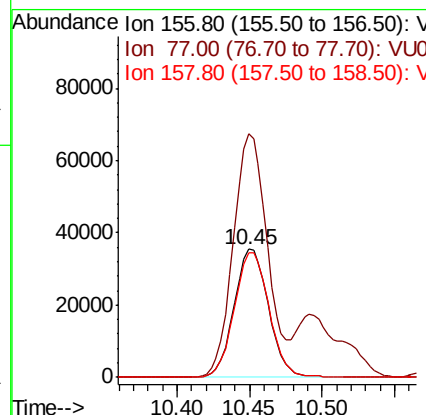
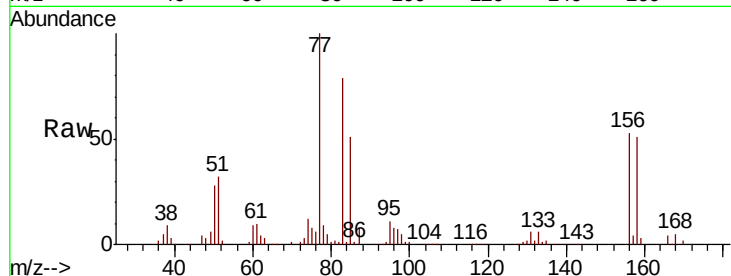
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	186.9	92.4	277.2	
158	98.5	48.4	145.3	

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#78

n-propylbenzene

Concen: 49.459 ug/l

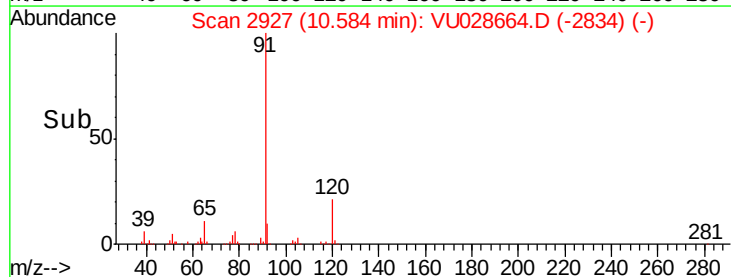
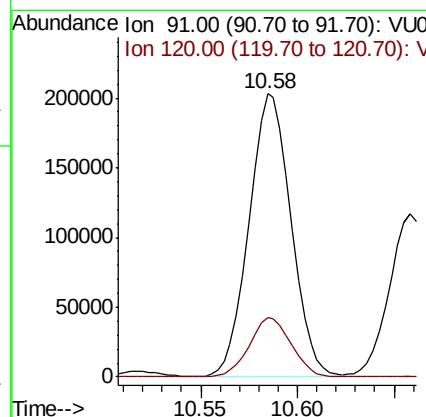
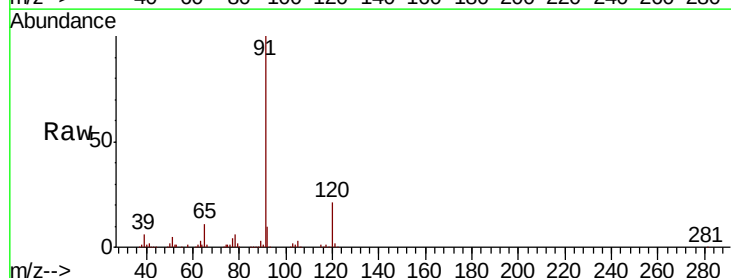
RT: 10.58 min Scan# 2927

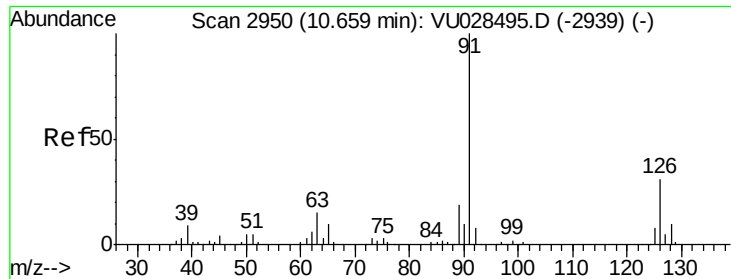
Delta R.T. -0.00 min

Lab File: VU028664.D

Acq: 12 Dec 2018 20:00

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.8	10.6	31.8	





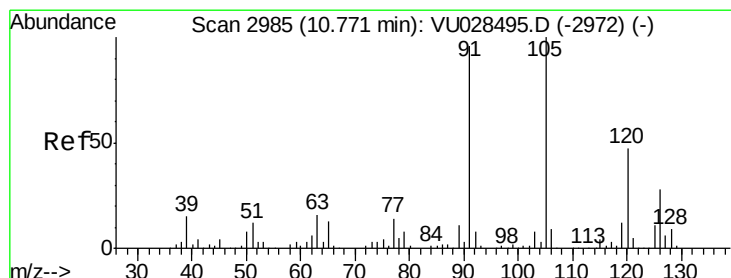
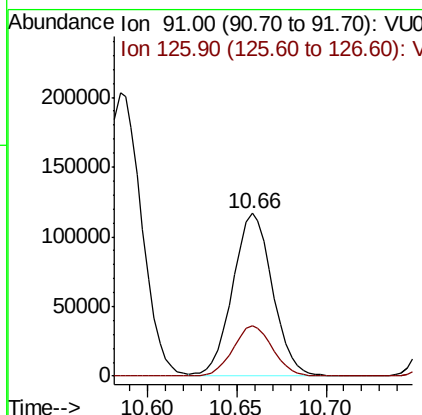
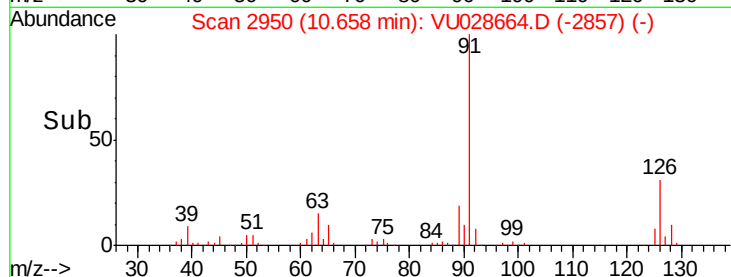
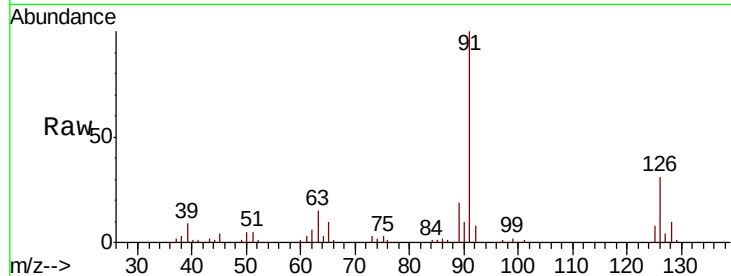
#79
 2-Chlorotoluene
 Concen: 50.633 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 181050
 Ion Ratio Lower Upper
 91 100
 126 31.1 15.6 46.8

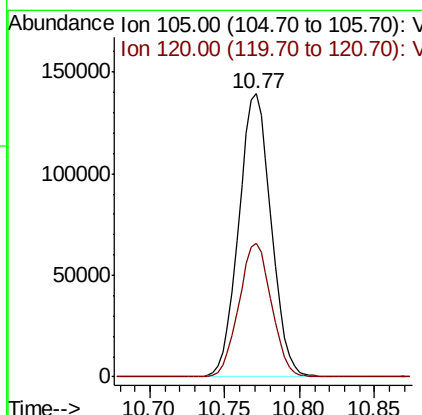
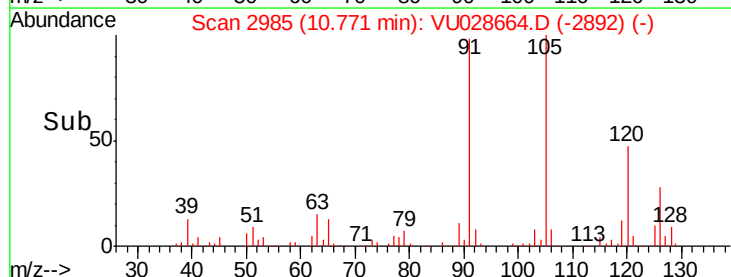
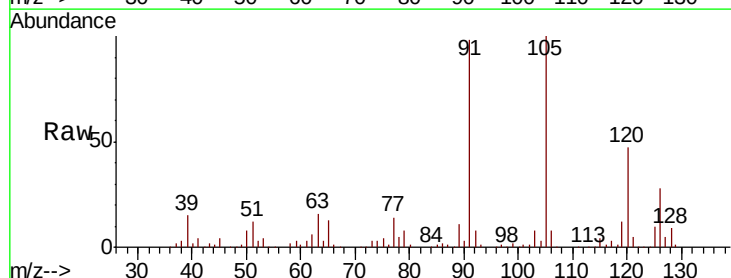
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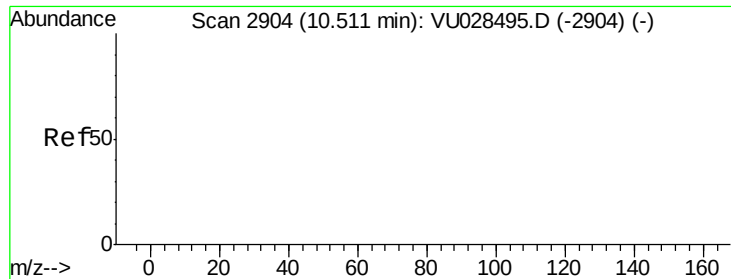
MMDadoda
 12/13/2018 9:29:56 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.758 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Tgt Ion: 105 Resp: 209898
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.7 71.1





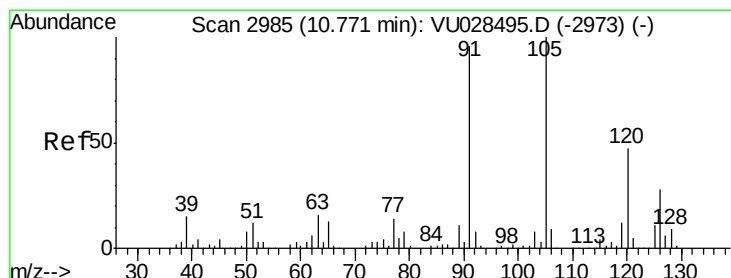
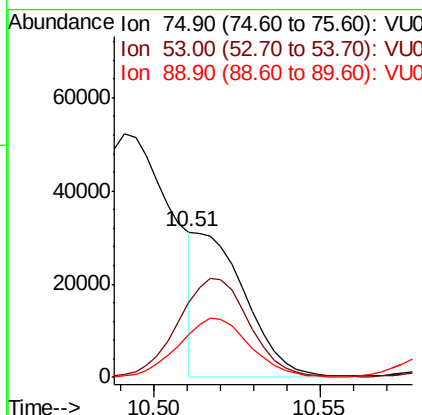
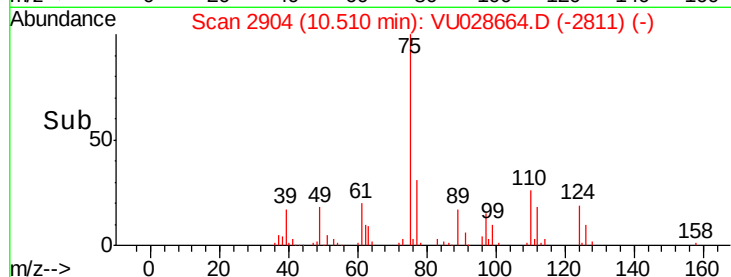
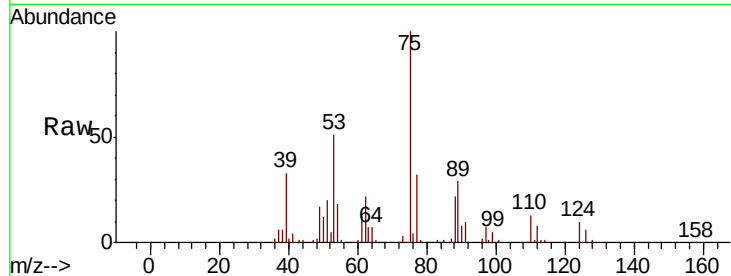
#81
trans-1,4-Dichloro-2-butene
Concen: 48.448 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

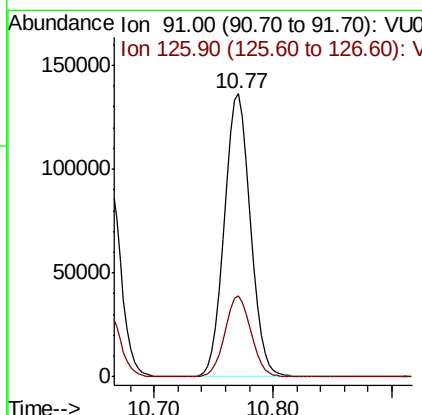
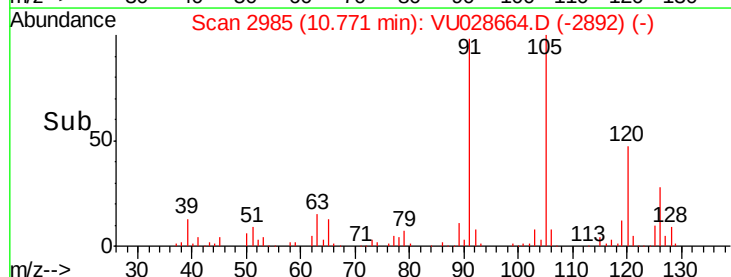
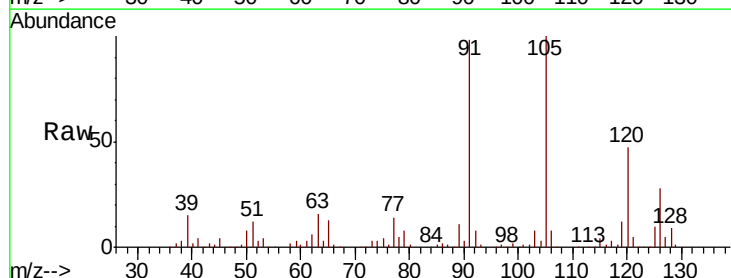
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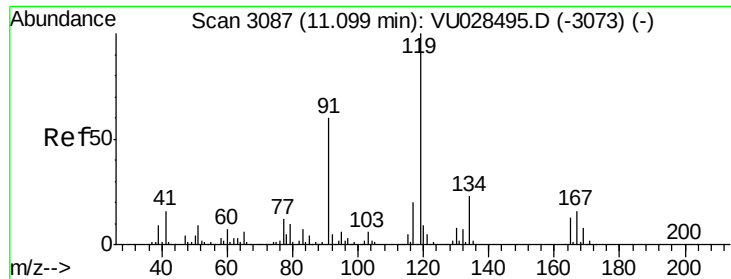
MMDadoda
12/13/2018 9:29:56 AM



#82
4-Chlorotoluene
Concen: 48.960 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.1	42.3





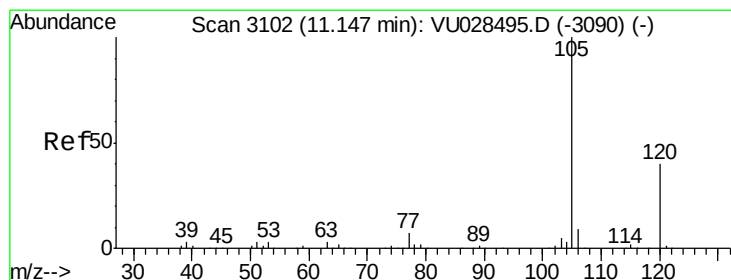
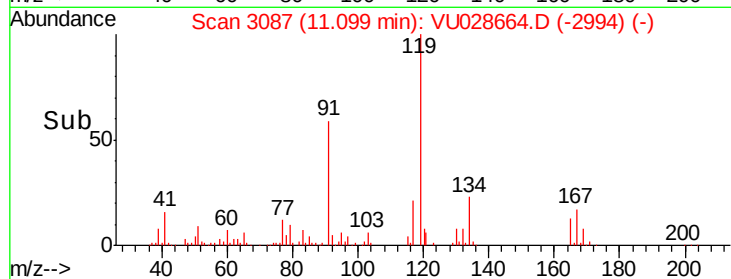
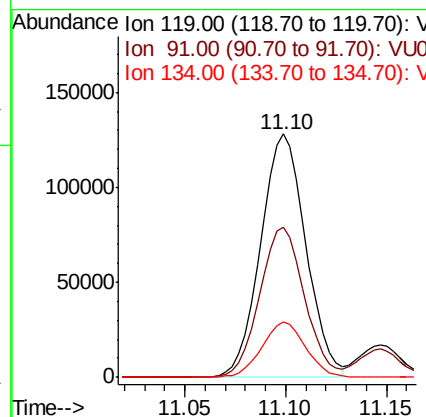
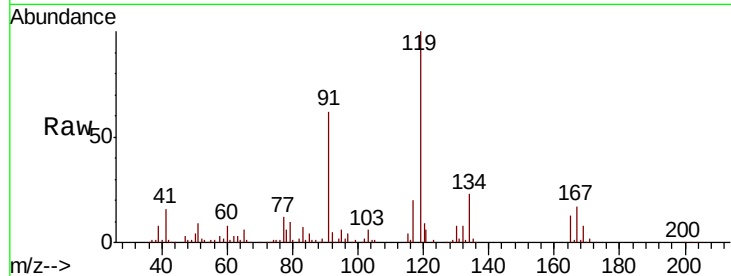
#83
tert-Butylbenzene
Concen: 50.265 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.3	30.3	91.0
134	22.1	11.2	33.5

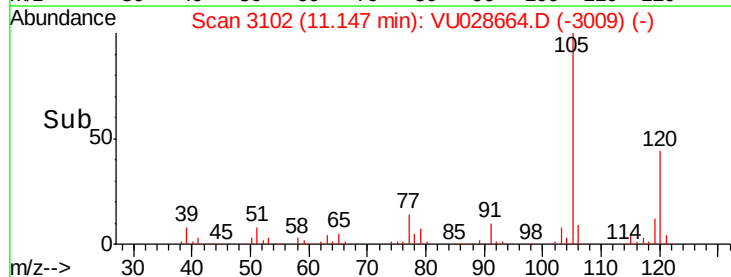
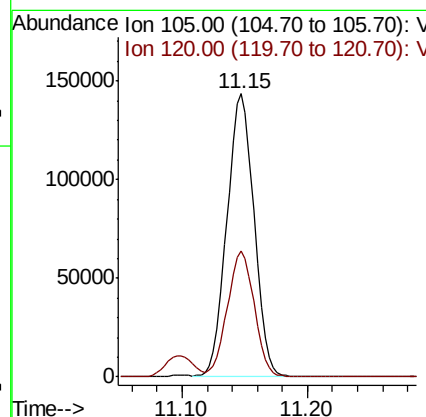
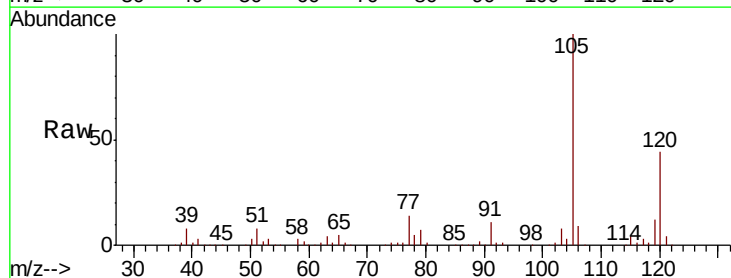
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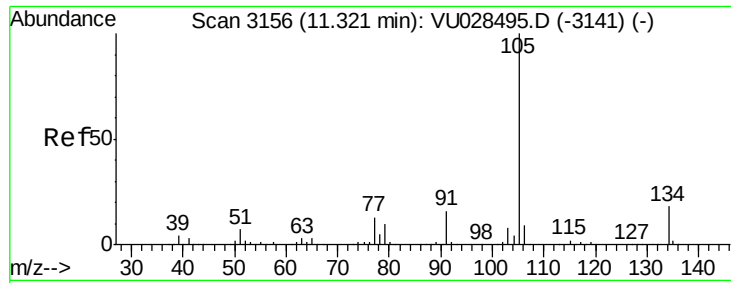
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#84
1,2,4-Trimethylbenzene
Concen: 50.560 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.8	65.4





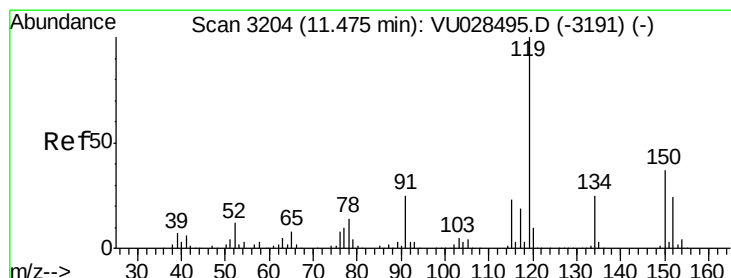
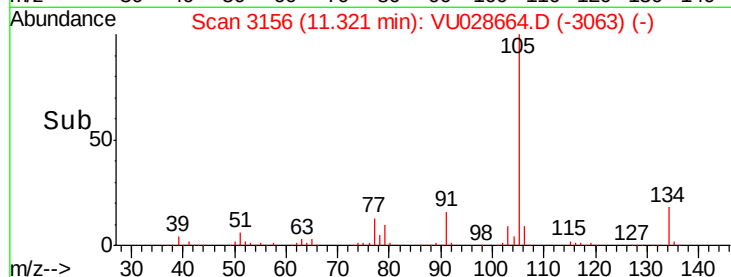
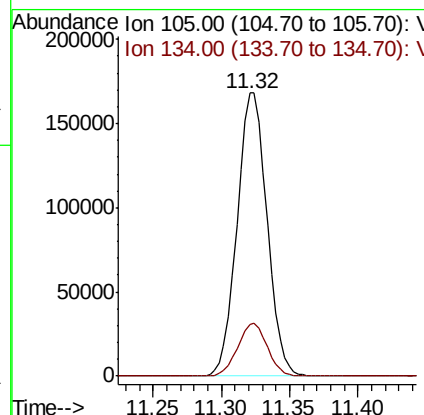
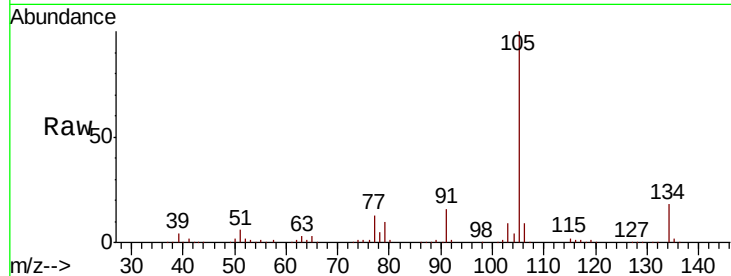
#85
 sec-Butylbenzene
 Concen: 50.039 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	256222		
134	18.3	9.2	27.6	

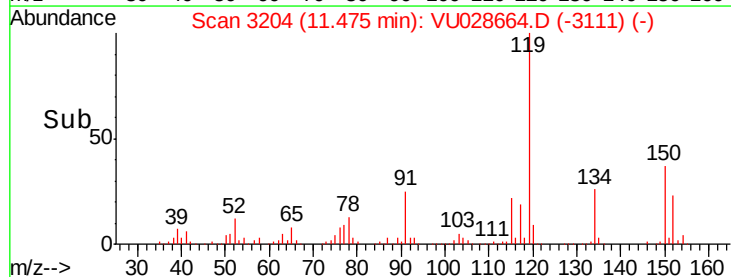
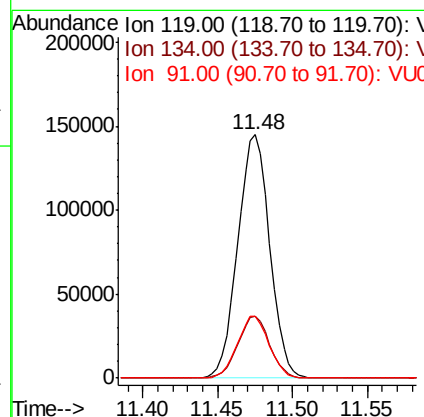
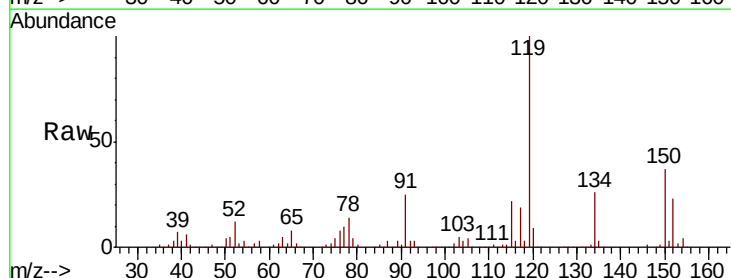
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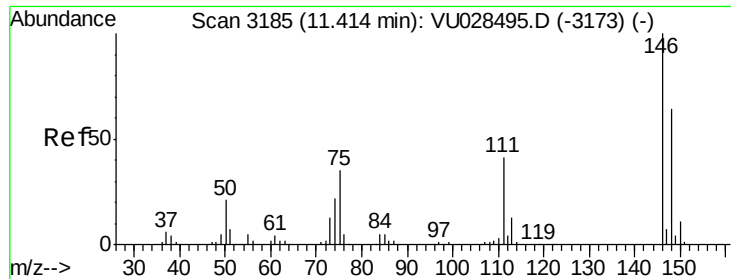
MMDadoda
 12/13/2018 9:29:56 AM



#86
 p-Isopropyltoluene
 Concen: 49.510 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	215353		
134	25.3	12.7	38.1	
91	25.2	12.6	37.6	





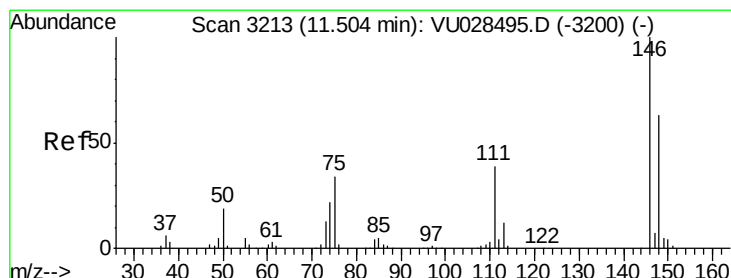
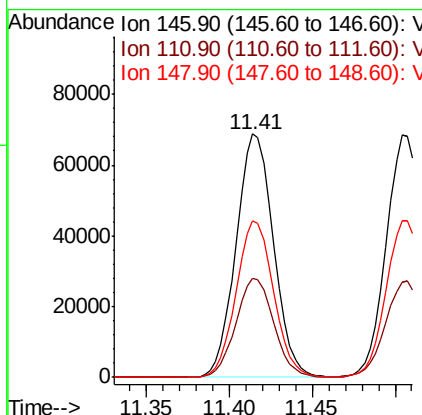
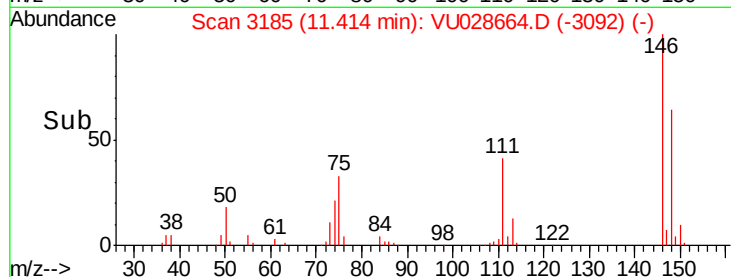
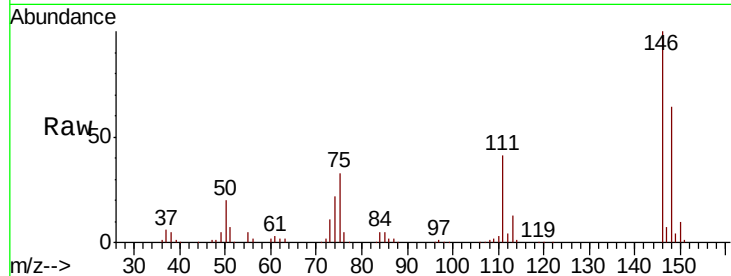
#87
 1,3-Dichlorobenzene
 Concen: 49.055 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.7	62.1
148	64.1	31.9	95.7

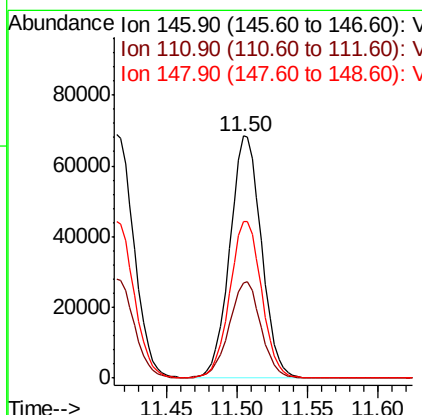
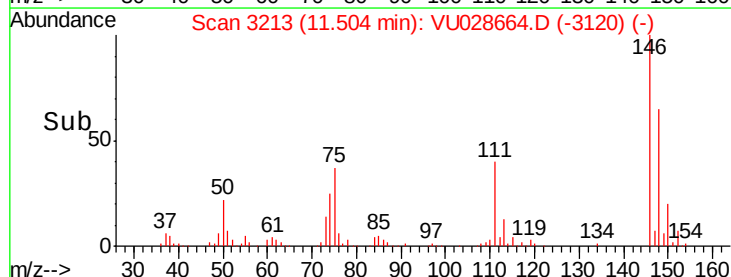
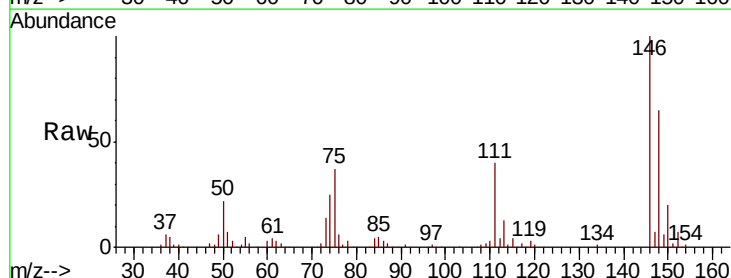
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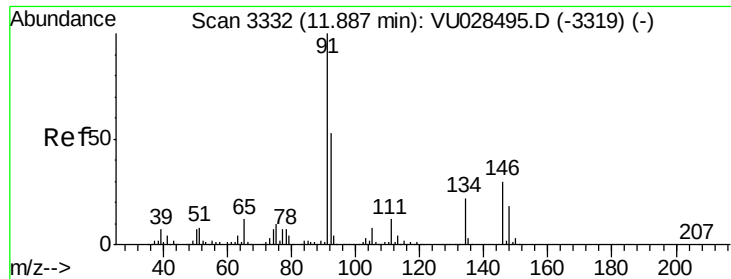
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#88
 1,4-Dichlorobenzene
 Concen: 47.032 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.5
148	65.3	31.6	95.0





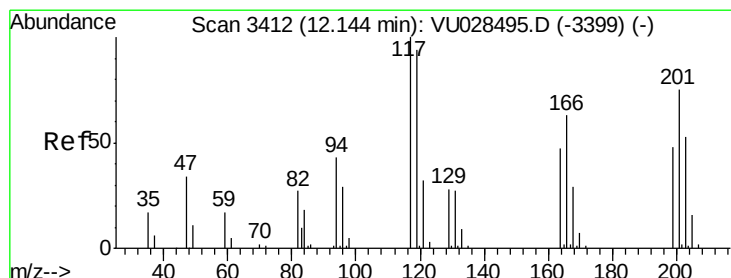
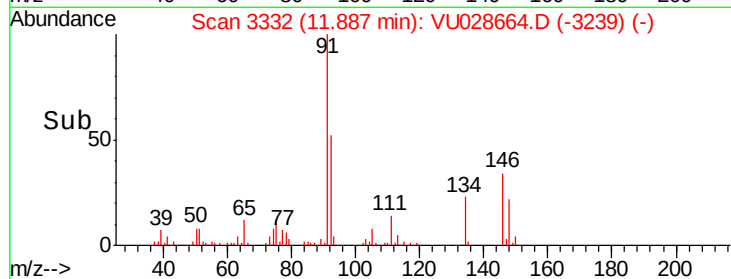
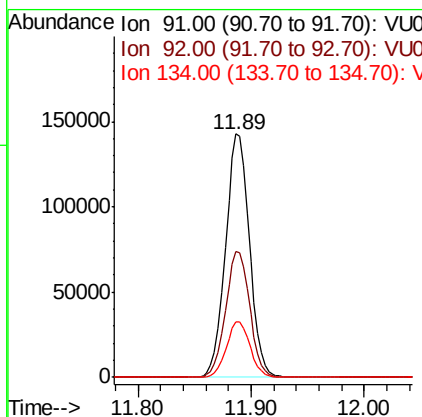
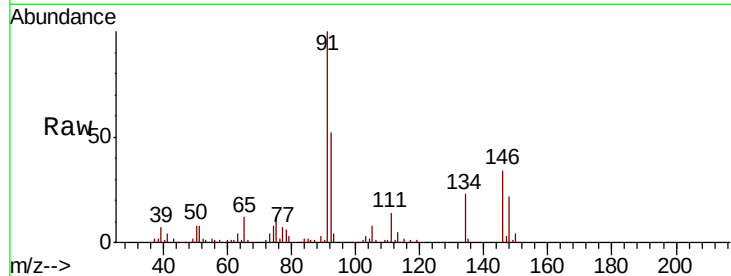
#89
n-Butylbenzene
Concen: 47.642 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.3	78.9
134	22.7	11.3	33.8

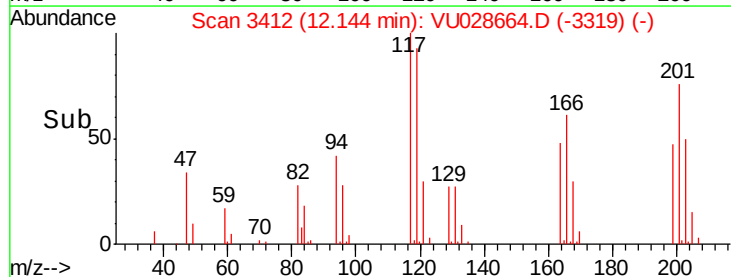
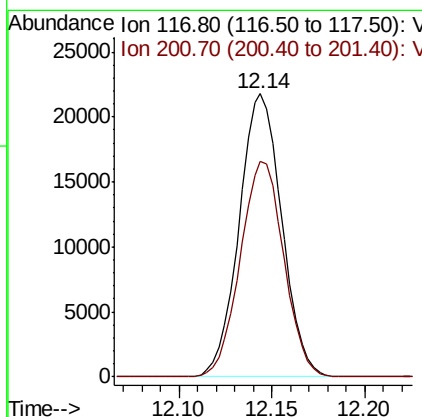
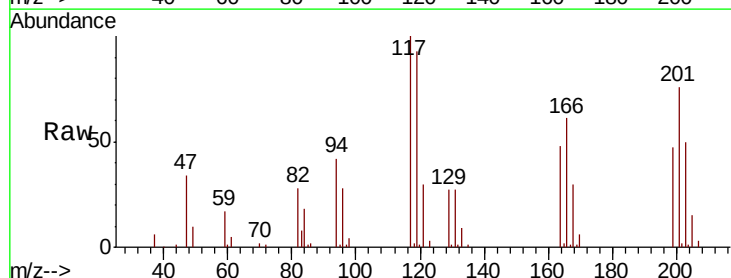
Manual Integrations
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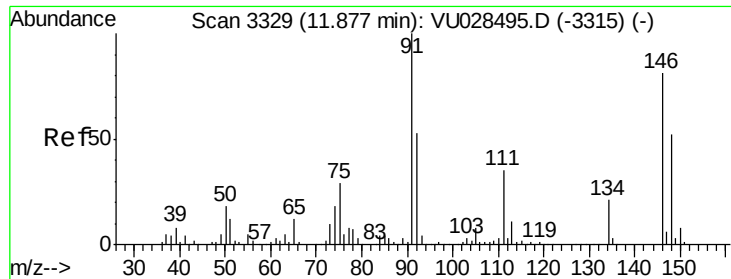
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#90
Hexachloroethane
Concen: 52.989 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.8	38.1	114.5





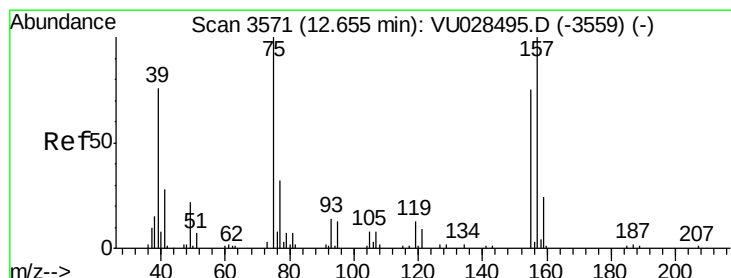
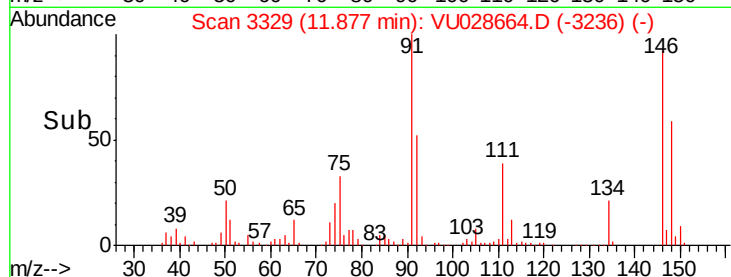
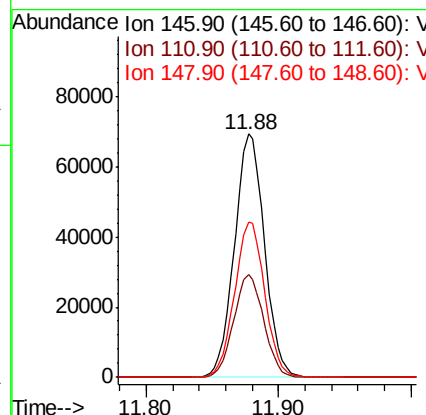
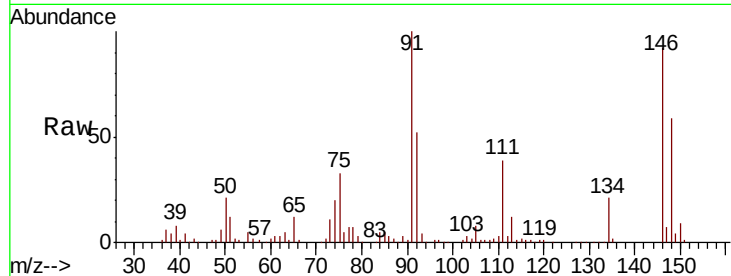
#91
 1,2-Dichlorobenzene
 Concen: 49.487 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.4
148	64.0	31.4	94.2

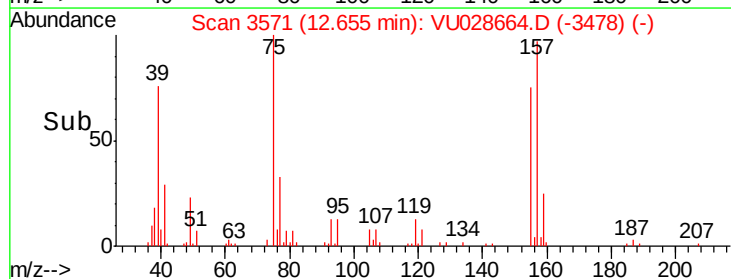
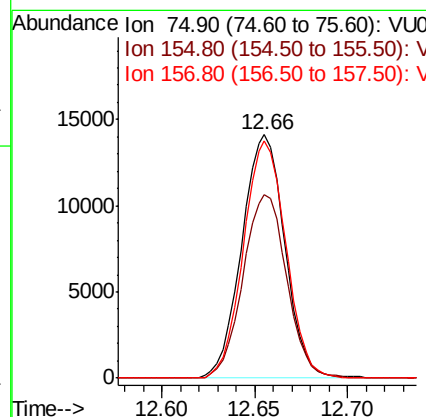
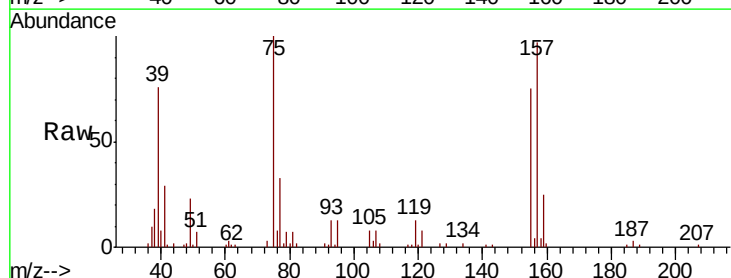
Manual Integrations
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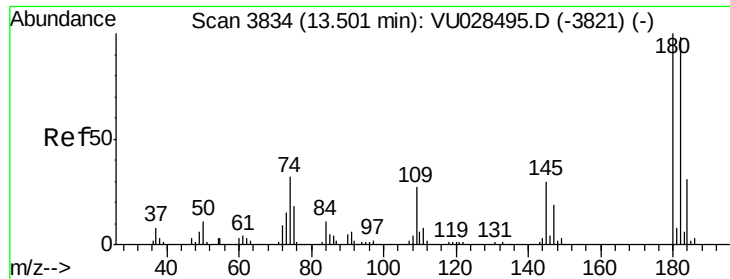
MMDadoda
 12/13/2018 9:29:56 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.873 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.5	38.1	114.5
157	96.1	48.7	146.1





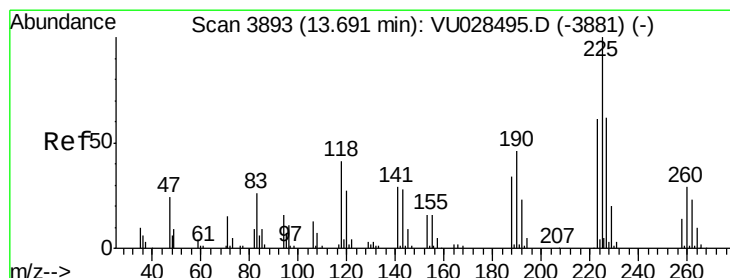
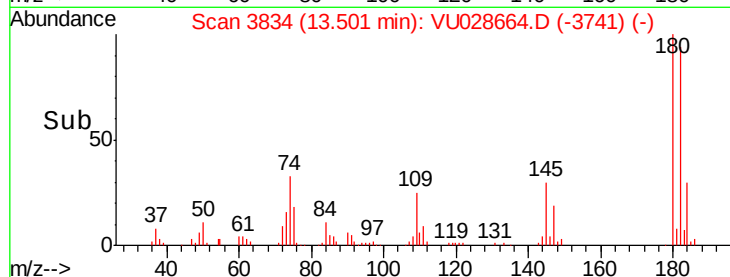
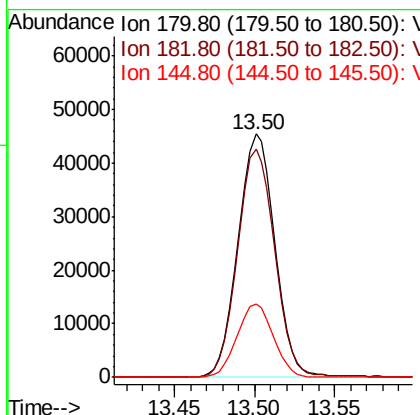
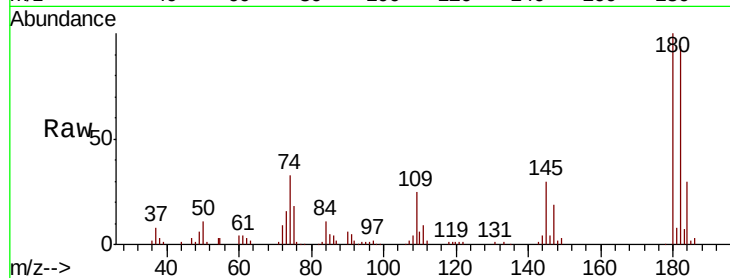
#93
 1,2,4-Trichlorobenzene
 Concen: 46.874 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.8
145	29.7	15.0	45.1

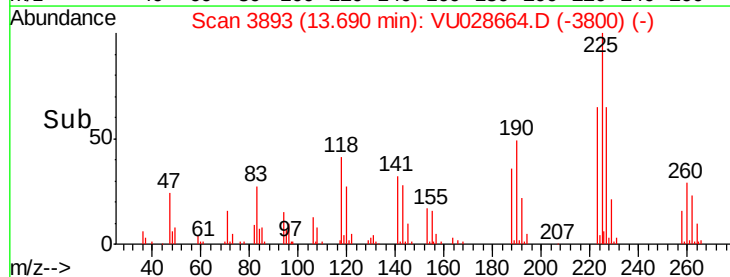
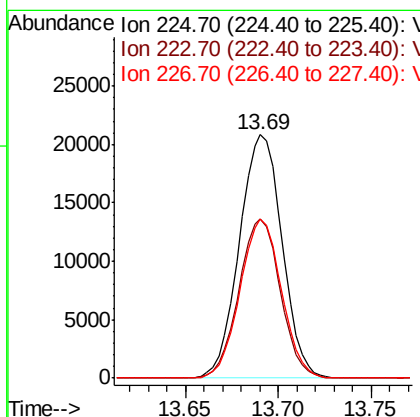
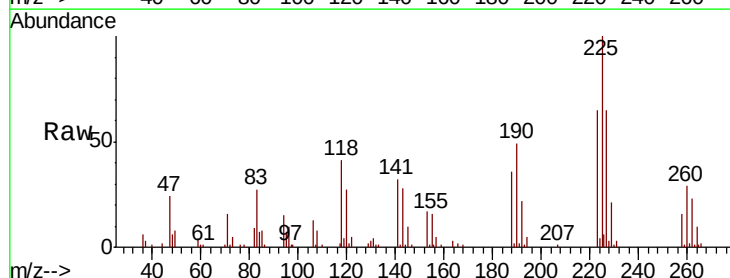
Manual Integrations
 APPROVED

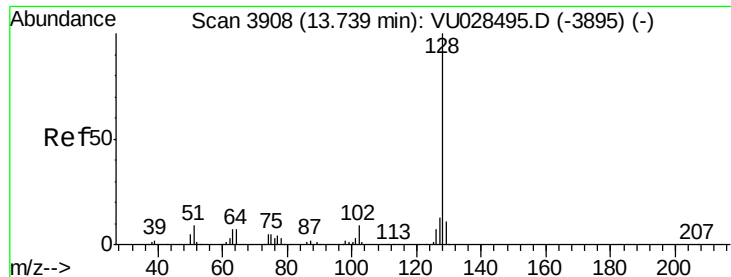
MMDadoda
 12/13/2018 9:29:56 AM



#94
 Hexachlorobutadiene
 Concen: 45.968 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028664.D
 Acq: 12 Dec 2018 20:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	30.4	91.2
227	63.2	30.7	92.1





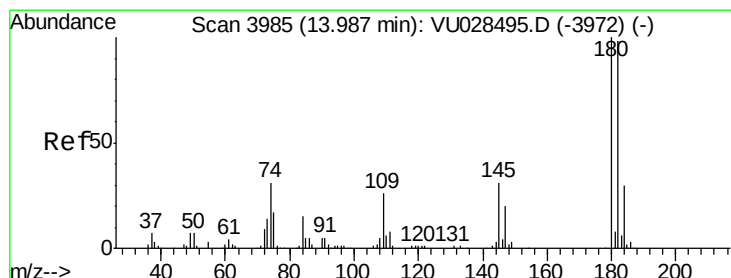
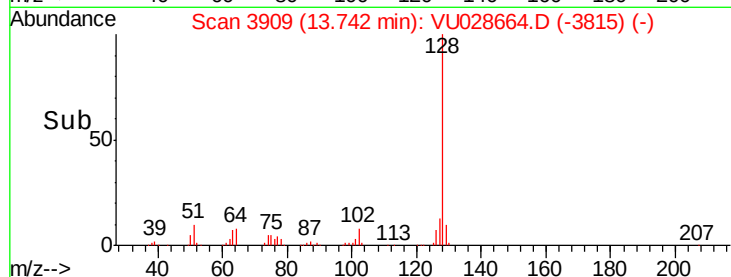
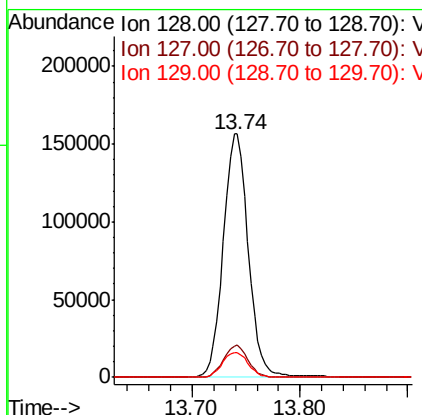
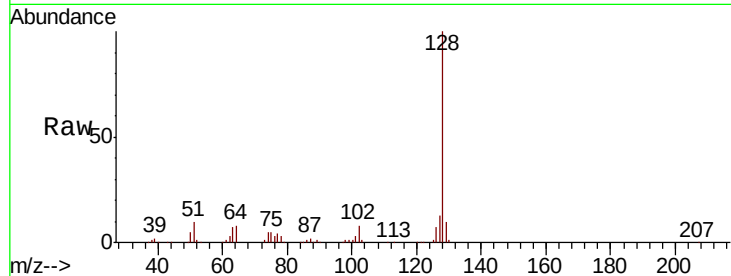
#95
Naphthalene
Concen: 47.920 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/13/2018 9:29:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.056 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028664.D
Acq: 12 Dec 2018 20:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.2	144.6
145	31.2	15.8	47.3

