

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121418\
 Data File : VU028676.D
 Acq On : 13 Dec 2018 14:09
 Operator : MD/SY
 Sample : J6347-15MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-TW001-01MS

Manual Integrations
 APPROVED

MMDadoda

Quant Time: Dec 14 06:02:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 01:03:50 2018
 Response via : Initial Calibration

Internal Standards R.T. QIon Response Conc Units Dev(Min) 12/14/2018 9:32:27 AM

 1) Fluorobenzene 5.74 96 13982 1.00 ug/l 0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.30	95	5022	0.98 ug/l	0.00
Spiked Amount 1.000			Recovery	= 98.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	5416	1.14 ug/l	0.00
Spiked Amount 1.000			Recovery	= 114.00%	

Target Compounds

	R.T.	QIon	Response	Conc	Units	Dev(Min)	Ovalue
2) Dichlorodifluoromethane	1.21	85	50354	10.011	ug/l		99
3) Chloromethane	1.33	50	78642	9.186	ug/l		99
4) Vinyl Chloride	1.40	62	59806	10.208	ug/l		98
5) Bromomethane	1.60	94	28680	12.425	ug/l		96
6) Chloroethane	1.68	64	34322	10.034	ug/l		100
7) Trichlorofluoromethane	1.88	101	67725	10.584	ug/l		99
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	38464	10.451	ug/l		96
9) 1,1-Dichloroethene	2.28	96	34129	10.026	ug/l		96
10) Iodomethane	2.41	142	39921	17.340	ug/l		97
11) Allyl Chloride	2.59	41	84067	9.782	ug/l		100
12) Acrylonitrile	2.94	53	22391	20.649	ug/l		95
13) Acetone	2.32	43	43783	43.571	ug/l		97
14) Carbon Disulfide	2.47	76	127979	9.897	ug/l		98
15) Methylene Chloride	2.70	84	42360	10.205	ug/l		95
16) trans-1,2-Dichloroethene	2.98	96	38231	10.035	ug/l		99
17) 1,1-Dichloroethane	3.44	63	87140	10.260	ug/l		98
18) 2-Butanone	4.28	43	76026	50.632	ug/l		100
19) Cyclohexane	4.98	56	71061	9.638	ug/l		99
20) Methylcyclohexane	6.40	83	66195	9.172	ug/l		96
21) 2,2-Dichloropropane	4.22	77	68165	10.000	ug/l		97
22) cis-1,2-Dichloroethene	4.22	96	43799	9.824	ug/l		97
23) Diethyl Ether	2.10	59	35232	10.324	ug/l		99
24) tert-Butyl Alcohol	2.84	59	34063	99.446	ug/l		100
25) Methyl tert-Butyl Ether	3.00	73	103012	10.187	ug/l		99
26) Bromochloromethane	4.54	128	16816	9.895	ug/l		94
27) Chloroform	4.67	83	76581	9.350	ug/l		97
28) 1,1,1-Trichloroethane	4.91	97	63975	10.002	ug/l		99
29) 1,1-Dichloropropene	5.13	75	58453	9.526	ug/l		99
30) Carbon Tetrachloride	5.12	117	49817	9.645	ug/l		99
31) Isopropyl Ether	3.58	45	155640	10.233	ug/l		99
32) Ethyl-t-butyl ether	4.08	59	125949	10.054	ug/l		99
33) Tert-Amyl methyl ether	5.59	73	101253	9.744	ug/l		100
34) Propionitrile	4.33	54	21341	56.577	ug/l #		98
35) Benzene	5.38	78	173804	9.622	ug/l		100
36) 1,2-Dichloroethane	5.40	62	54680	10.121	ug/l		100
37) Trichloroethene	6.18	130	48545	12.339	ug/l		95
38) 1,2-Dichloropropane	6.43	63	50716	9.845	ug/l		94
39) Methacrylonitrile	4.55	41	20299	10.046	ug/l		100
40) Methyl acrylate	4.43	55	28144	10.125	ug/l #		95
41) Tetrahydrofuran	4.66	42	20862	20.542	ug/l		97
42) 1-Chlorobutane	5.06	56	94766	9.716	ug/l		99

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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 01:03:50 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	12/14/2018 9:32:27 AM
43) Dibromomethane	6.56	93	21855	9.966	ug/l	99	
44) Bromodichloromethane	6.76	83	55320	9.554	ug/l	92	
45) 4-Methyl-2-Pentanone	7.47	43	178616	50.710	ug/l	100	
46) t-1,4-Dichloro-2-butene	10.52	75	25626m	19.891	ug/l		
47) Methyl methacrylate	6.63	69	46305	20.687	ug/l	99	
48) Ethyl methacrylate	8.03	69	44287	9.891	ug/l	98	
49) Toluene	7.63	92	100074	9.976	ug/l	99	
50) t-1,3-Dichloropropene	7.88	75	53986	9.707	ug/l	99	
51) cis-1,3-Dichloropropene	7.27	75	64636	9.411	ug/l	97	
52) 1,1,2-Trichloroethane	8.07	97	32039	10.407	ug/l	98	
53) 1,3-Dichloropropane	8.24	76	58628	10.194	ug/l	99	
54) 2-Hexanone	8.37	43	126754	50.024	ug/l	99	
55) Dibromochloromethane	8.48	129	33514	10.234	ug/l	100	
56) 1,2-Dibromoethane	8.59	107	28953	10.324	ug/l	99	
58) Tetrachloroethene	8.22	164	33797	9.382	ug/l	97	
59) Chlorobenzene	9.12	112	104968	10.055	ug/l	99	
60) 1,1,1,2-Tetrachloroethane	9.21	131	36538	10.329	ug/l	99	
61) Pentachloroethane	11.10	117	31106	11.299	ug/l	96	
62) Hexachloroethane	12.14	117	29028	11.252	ug/l	97	
63) Ethyl Benzene	9.25	91	197120	10.234	ug/l	99	
64) m/p-Xylenes	9.37	106	150558	21.599	ug/l	98	
65) o-Xylene	9.78	106	71049	10.562	ug/l	99	
66) Styrene	9.79	104	126466	10.961	ug/l	99	
67) Bromoform	9.96	173	19412	10.577	ug/l	100	
69) Isopropylbenzene	10.17	105	186638	10.362	ug/l	99	
70) 1,1,2,2-Tetrachloroethane	10.46	83	44778	10.843	ug/l	97	
71) 1,2,3-Trichloropropane	10.49	75	28669	9.958	ug/l #	95	
72) Bromobenzene	10.45	156	43395	10.855	ug/l	97	
73) n-propylbenzene	10.58	120	51157	10.951	ug/l	100	
74) 2-Chlorotoluene	10.66	126	45267	11.059	ug/l	97	
75) 1,3,5-Trimethylbenzene	10.77	105	166845	11.006	ug/l	97	
76) 4-Chlorotoluene	10.77	126	46170	11.125	ug/l	100	
77) tert-Butylbenzene	11.10	119	157833	11.059	ug/l	99	
78) 1,2,4-Trimethylbenzene	11.15	105	173038	11.139	ug/l	100	
79) sec-Butylbenzene	11.32	105	216563	10.885	ug/l	100	
80) Nitrobenzene	12.86	77	10422	56.018	ug/l	95	
81) p-Isopropyltoluene	11.48	119	174837	11.058	ug/l	100	
82) 1,3-Dichlorobenzene	11.41	146	90919	11.354	ug/l	98	
83) 1,4-Dichlorobenzene	11.50	146	90754	11.386	ug/l	99	
84) n-Butylbenzene	11.89	91	182821	11.014	ug/l	99	
85) 1,2-Dichlorobenzene	11.88	146	86221	11.312	ug/l	98	
86) 1,2-Dibromo-3-Chloropropan	12.65	75	7105	10.695	ug/l	96	
87) 1,2,4-Trichlorobenzene	13.50	180	56257	10.499	ug/l	99	
88) Hexachlorobutadiene	13.69	225	32104	11.074	ug/l	99	
89) Naphthalene	13.74	128	110069	10.394	ug/l	98	
90) 1,2,3-Trichlorobenzene	13.98	180	54604	10.808	ug/l	99	

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

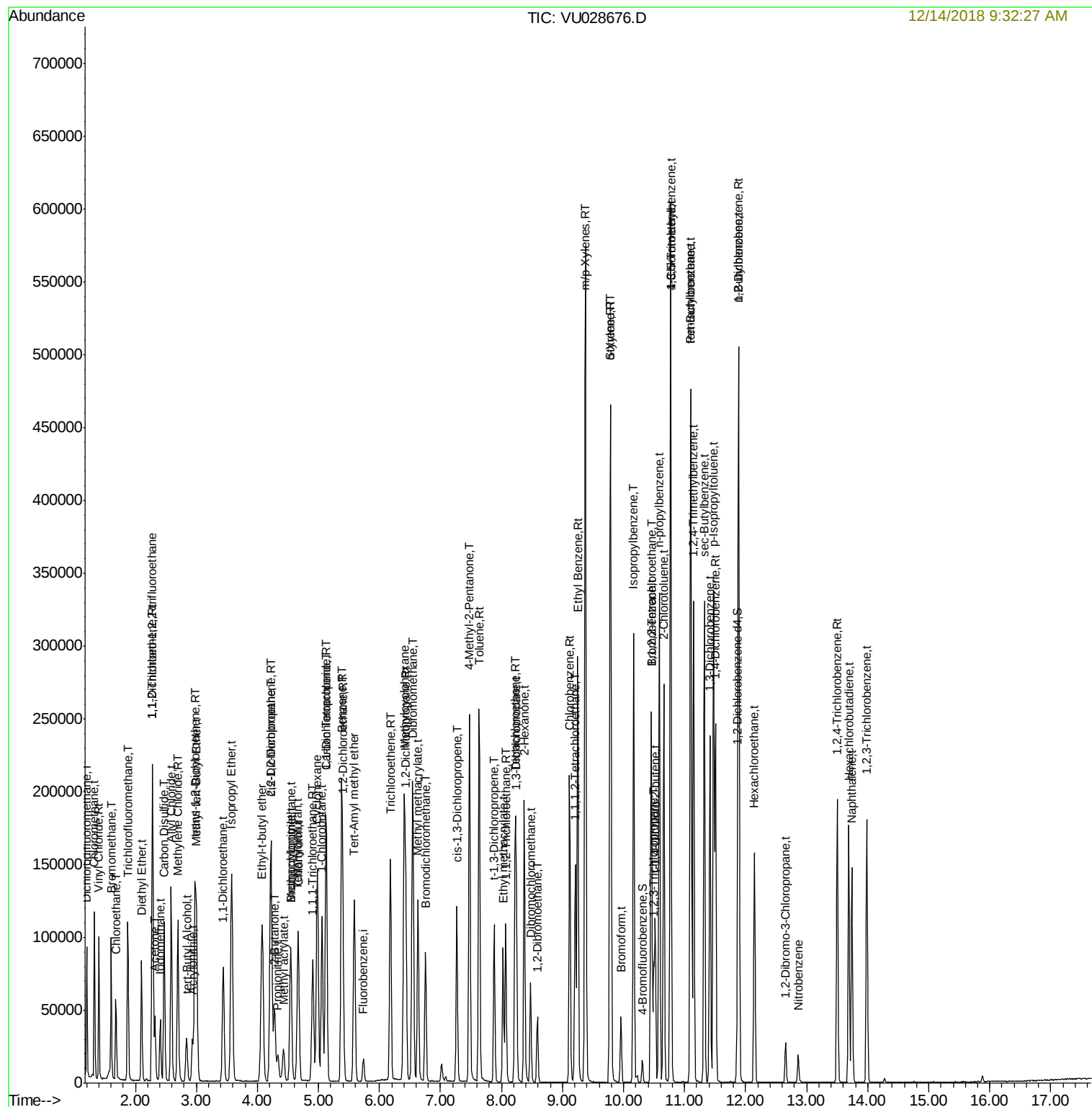
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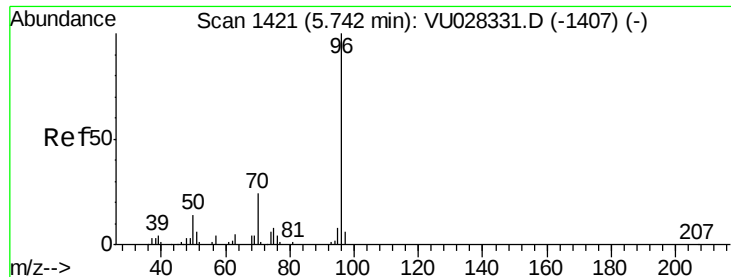
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VU028676.D

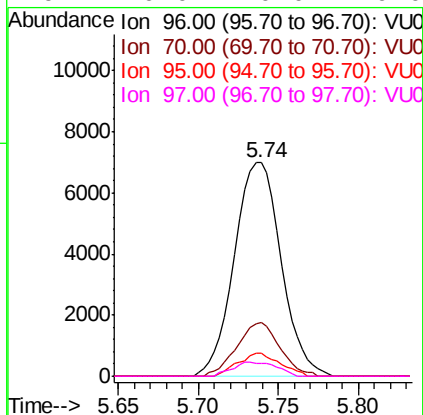
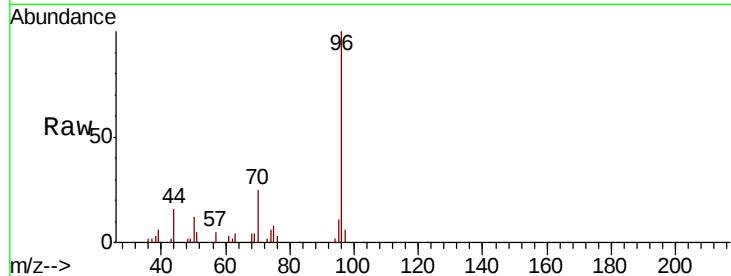
Acq: 13 Dec 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MS

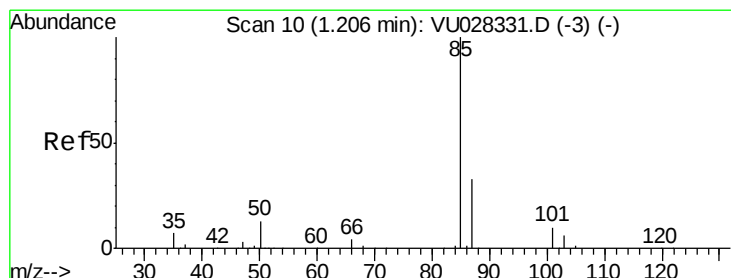
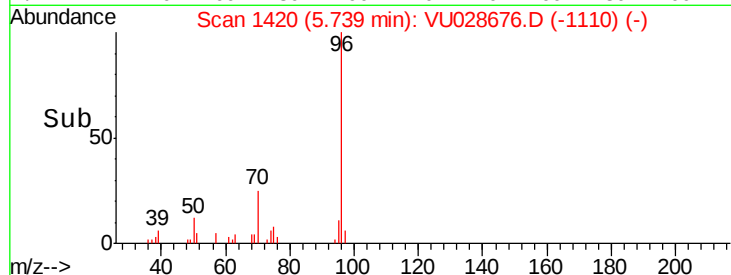
Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		13982		
70	22.9	17.8	26.8		
95	9.7	7.6	11.4		
97	0.0	0.0	0.0		

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 10.011 ug/l

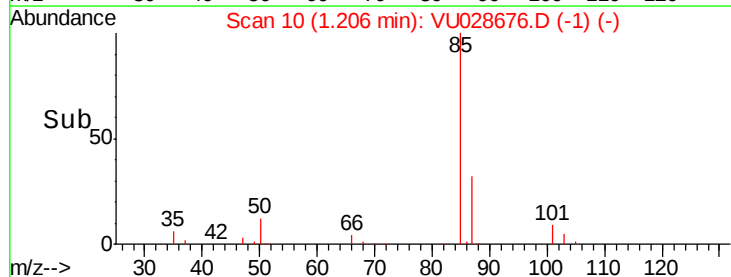
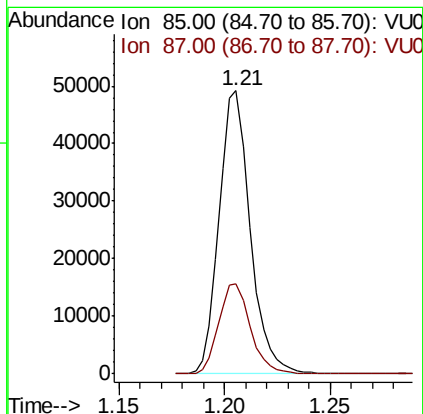
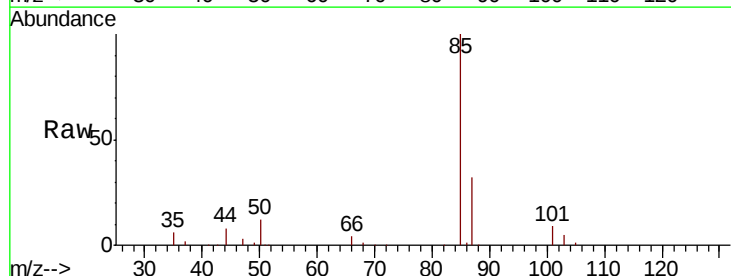
RT: 1.21 min Scan# 10

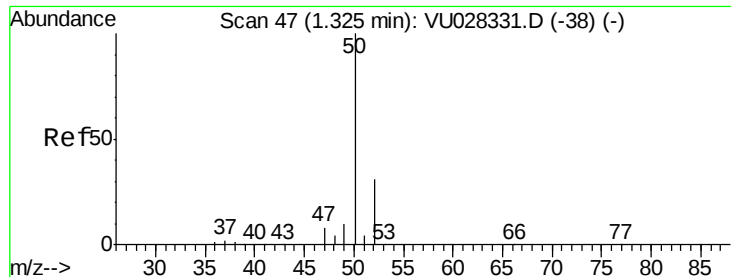
Delta R.T. -0.00 min

Lab File: VU028676.D

Acq: 13 Dec 2018 14:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		50354		
87	32.0	16.3	48.8		





#3

Chloromethane

Concen: 9.186 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028676.D

Acq: 13 Dec 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

P001-TW001-01MS

Tot Ion: 50 Resp: 78642

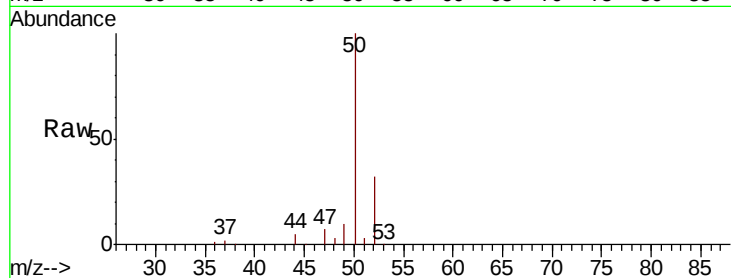
Ion Ratio Lower Upper

50 100

52 32.0 25.1 37.7

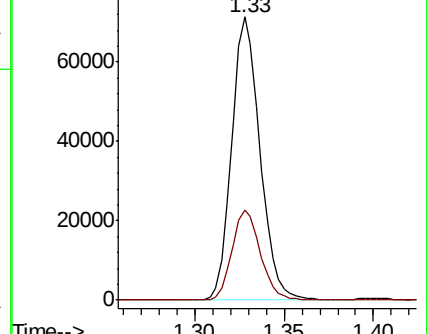
Manual Integrations
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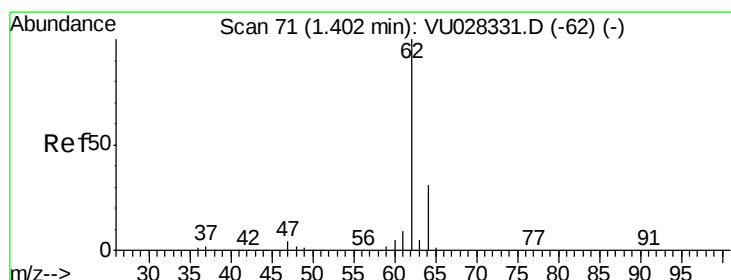
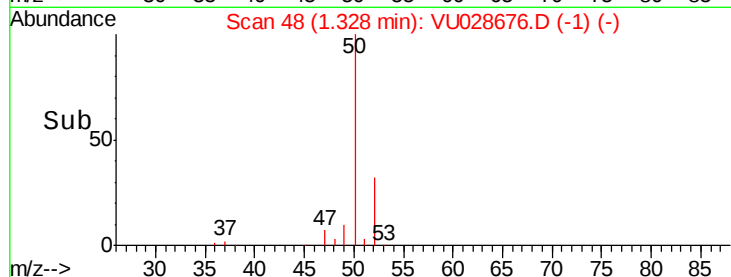


Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



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#4

Vinyl Chloride

Concen: 10.208 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028676.D

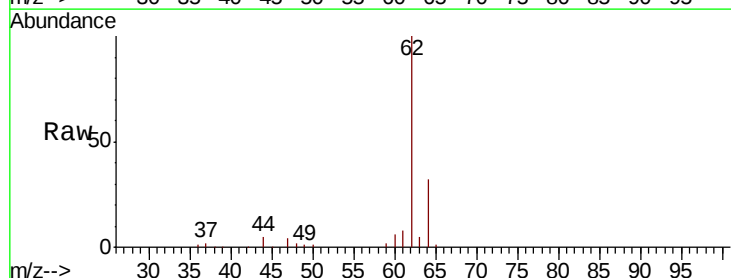
Acq: 13 Dec 2018 14:09

Tgt Ion: 62 Resp: 59806

Ion Ratio Lower Upper

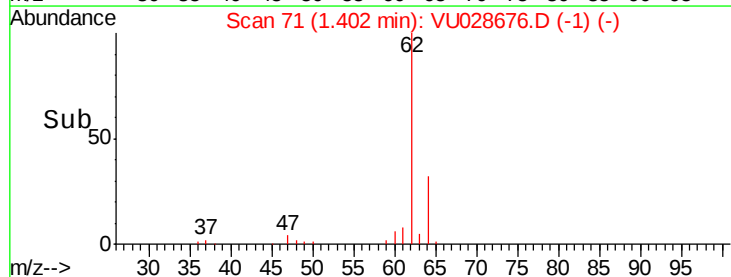
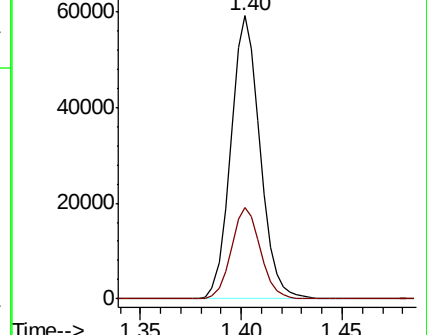
62 100

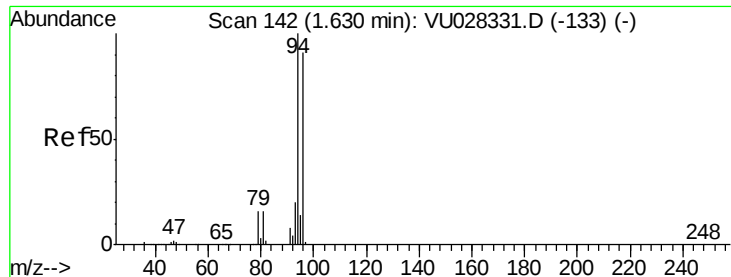
64 32.2 24.7 37.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 12.425 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.03 min

Lab File: VU028676.D

Acq: 13 Dec 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

P001-TW001-01MS

Tot Ion: 94 Resp: 28680

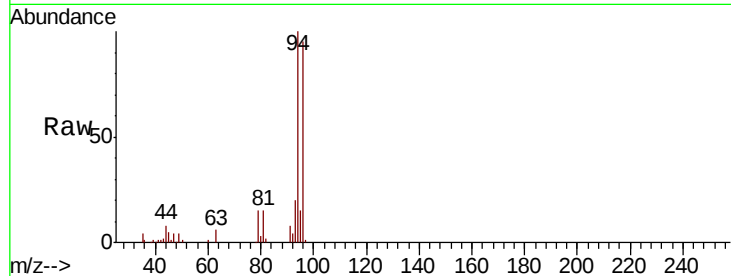
Ion Ratio Lower Upper

94 100

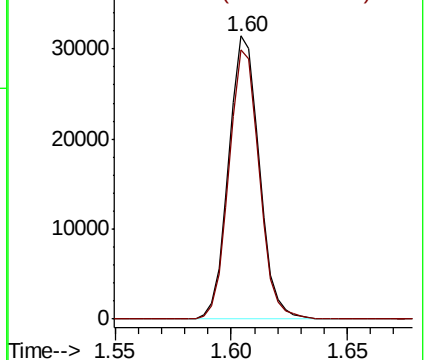
96 95.2 73.1 109.7

Manual Integrations
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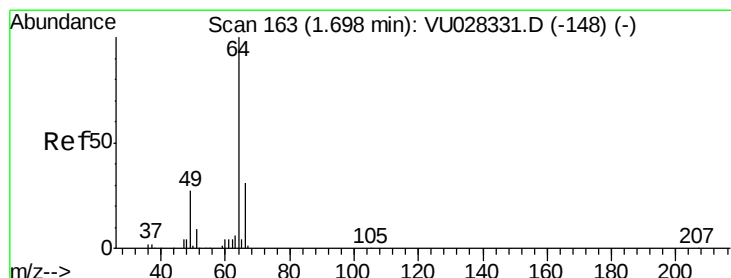
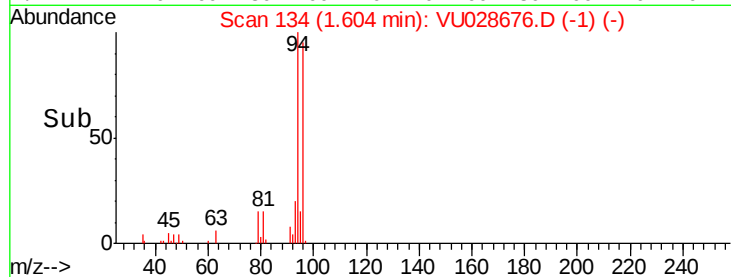
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Abundance Ion 94.00 (93.70 to 94.70): VU0
Ion 96.00 (95.70 to 96.70): VU0



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#6

Chloroethane

Concen: 10.034 ug/l

RT: 1.68 min Scan# 158

Delta R.T. -0.02 min

Lab File: VU028676.D

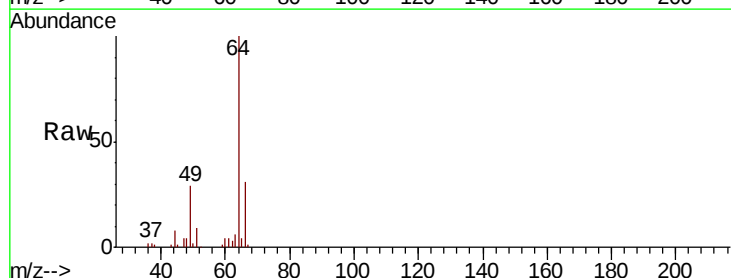
Acq: 13 Dec 2018 14:09

Tgt Ion: 64 Resp: 34322

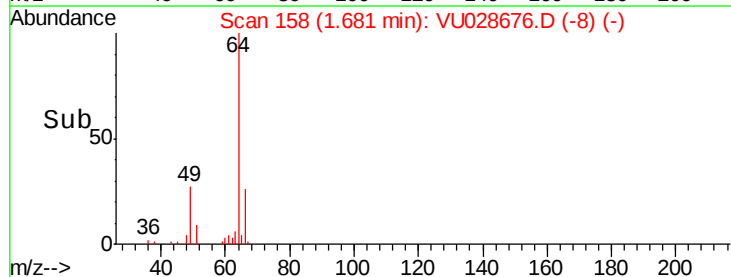
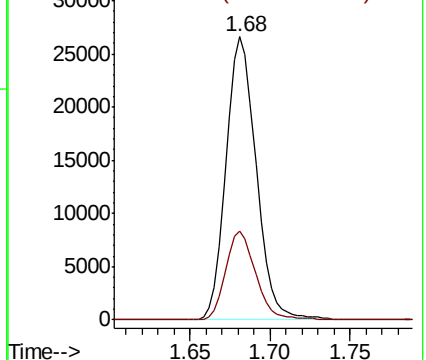
Ion Ratio Lower Upper

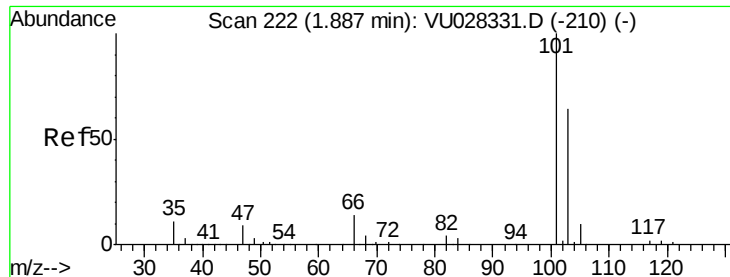
64 100

66 31.4 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU0
Ion 66.00 (65.70 to 66.70): VU0





#7

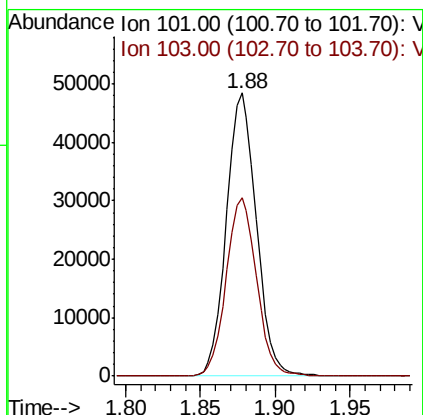
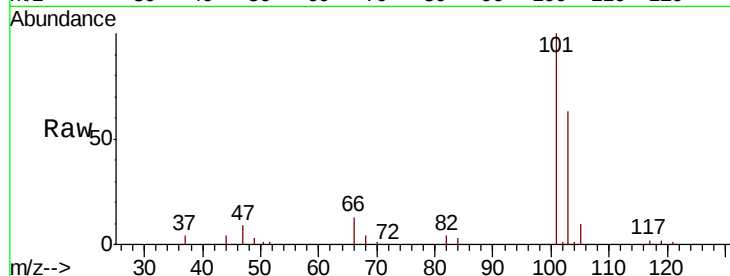
Trichlorofluoromethane
 Concen: 10.584 ug/l
 RT: 1.88 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VU028676.D
 Acq: 13 Dec 2018 14:09

Instrument :
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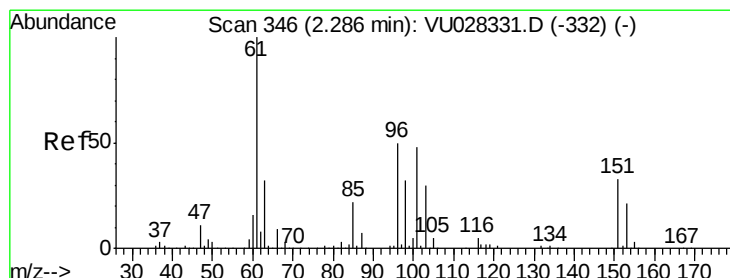
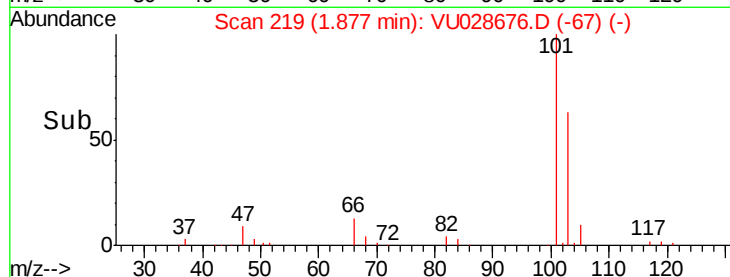
Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		67725		
103	63.1	51.4	77.0		

Manual Integrations
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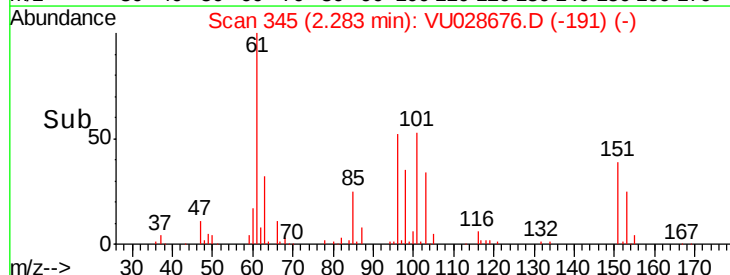
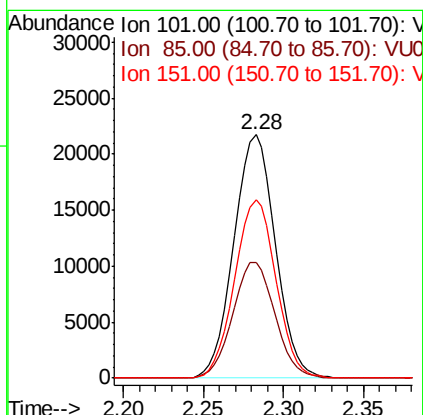
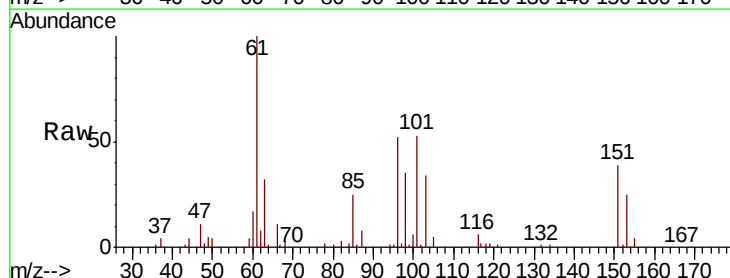
12/14/2018 9:32:27 AM

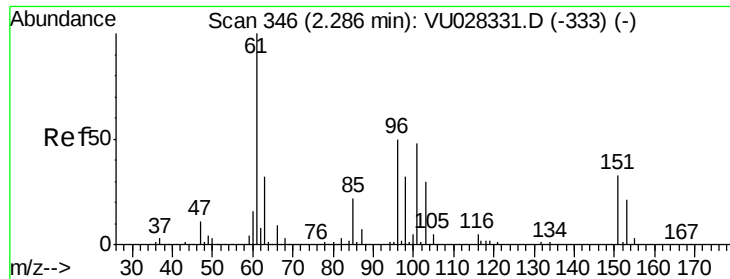


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 10.451 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU028676.D
 Acq: 13 Dec 2018 14:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		38464		
85	48.0	36.7	55.1		
151	72.8	55.8	83.6		





#9

1,1-Dichloroethene

Concen: 10.026 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028676.D

Acq: 13 Dec 2018 14:09

Instrument :

MSVOA_U

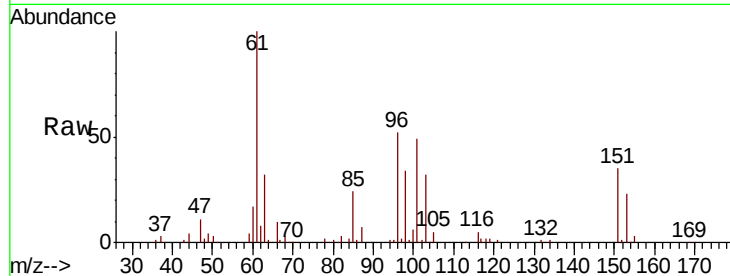
ClientSampleId :

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Tot Ion:	96	Resp:	34129
Ion Ratio	Lower	Upper	
96	100		
61	191.9	0.0	597.6
98	65.5	0.0	127.6

Manual Integrations
APPROVED

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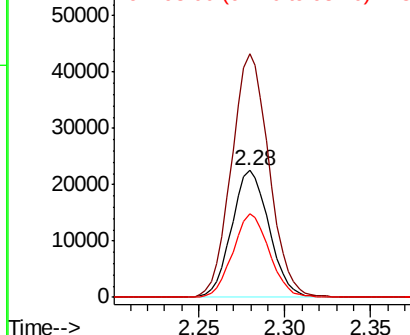


Abundance

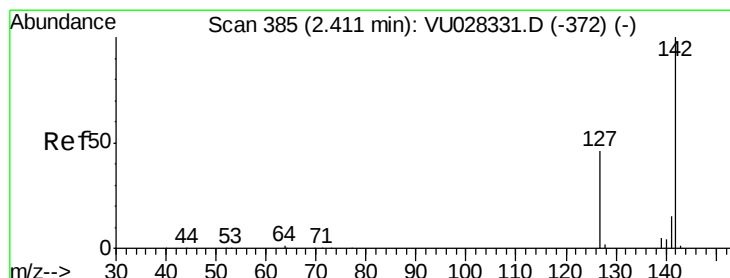
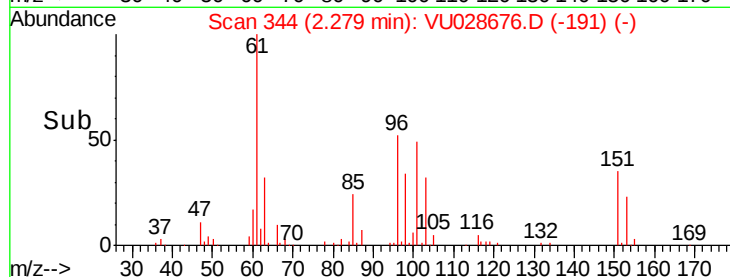
Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



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#10

Iodomethane

Concen: 17.340 ug/l

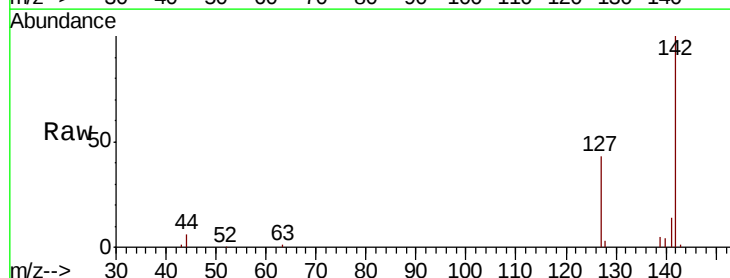
RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028676.D

Acq: 13 Dec 2018 14:09

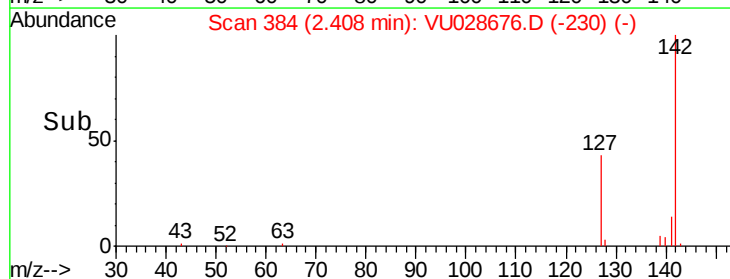
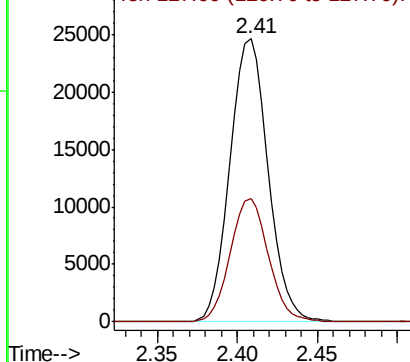
Tgt Ion:	142	Resp:	39921
Ion Ratio	Lower	Upper	
142	100		
127	43.5	36.4	54.6

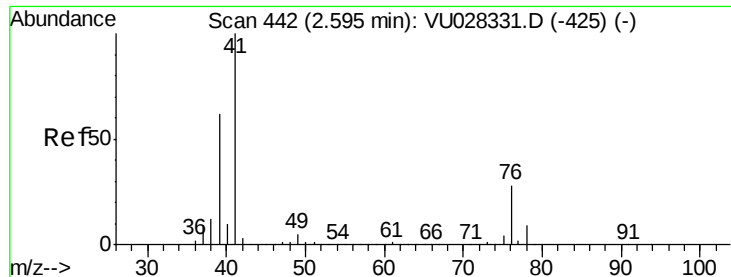


Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V





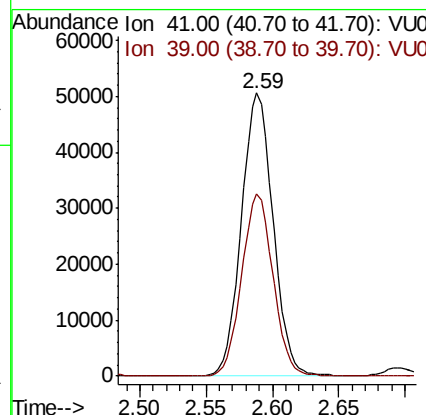
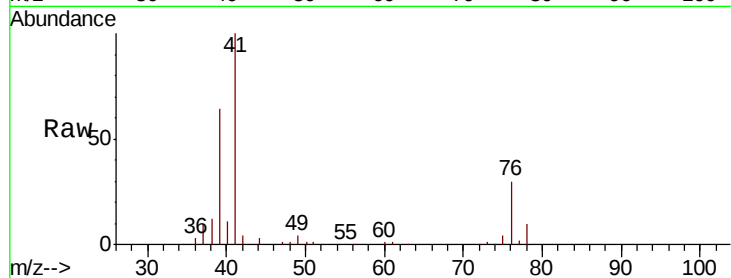
#11
Allvl Chloride
Concen: 9.782 ug/l
RT: 2.59 min Scan# 440
Delta R.T. -0.01 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MS

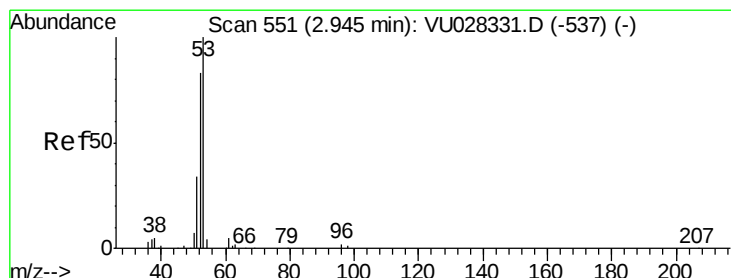
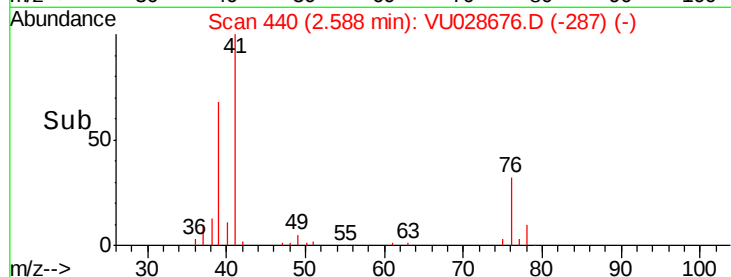
Tot Ion	Ratio	Lower	Upper
41	100		
39	63.9	50.8	76.2

Manual Integrations
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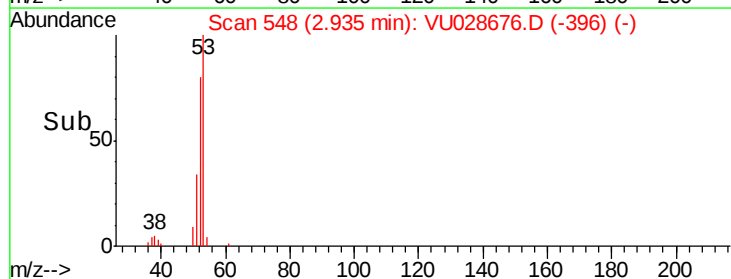
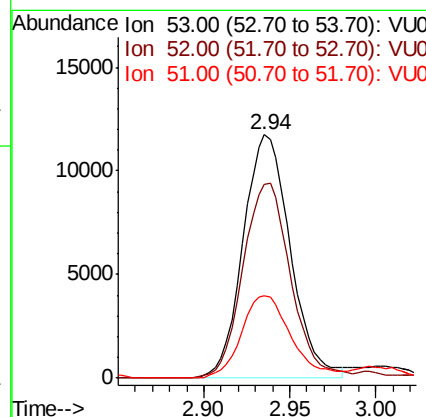
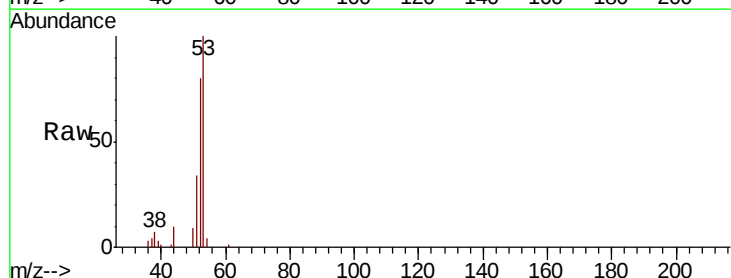


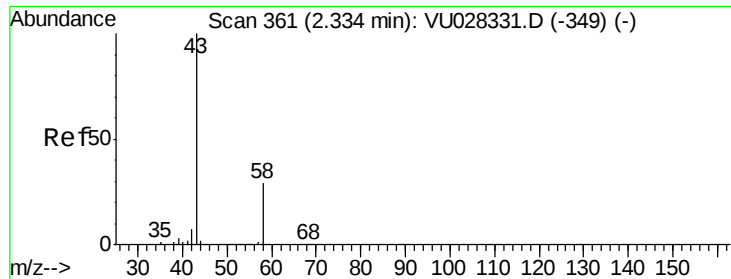
12/14/2018 9:32:27 AM



#12
Acrylonitrile
Concen: 20.649 ug/l
RT: 2.94 min Scan# 548
Delta R.T. -0.01 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.2	69.3	103.9
51	35.8	27.8	41.8





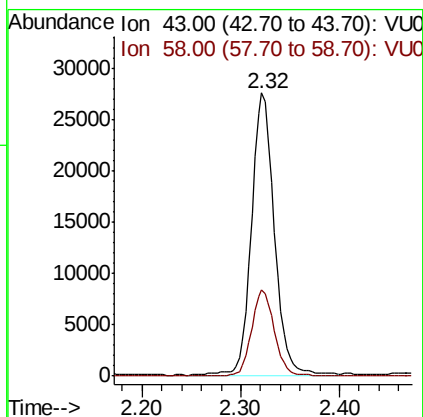
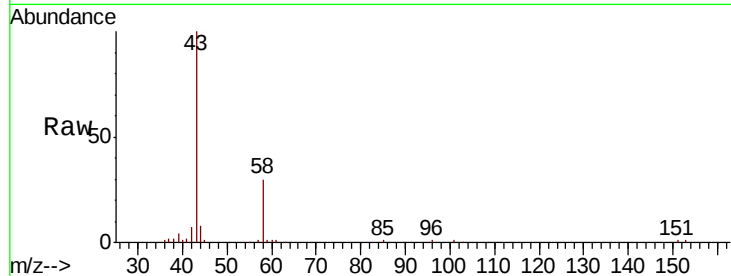
#13
Acetone
Concen: 43.571 ug/l
RT: 2.32 min Scan# 357
Delta R.T. -0.01 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MS

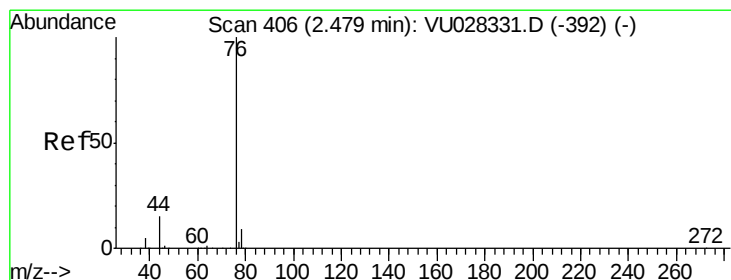
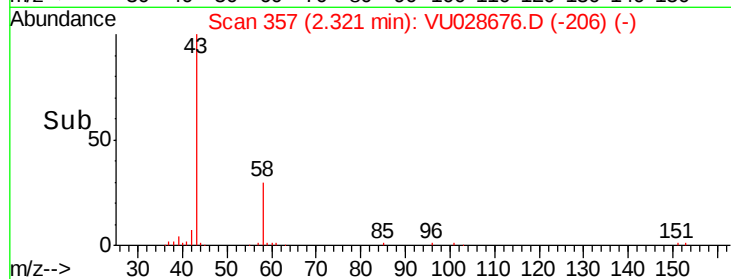
Tot Ion: 43 Resp: 43783
Ion Ratio Lower Upper
43 100
58 30.4 23.1 34.7

Manual Integrations
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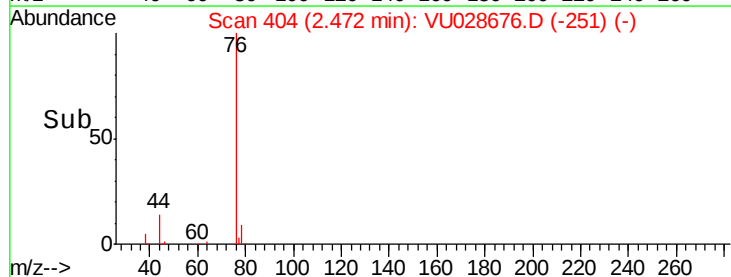
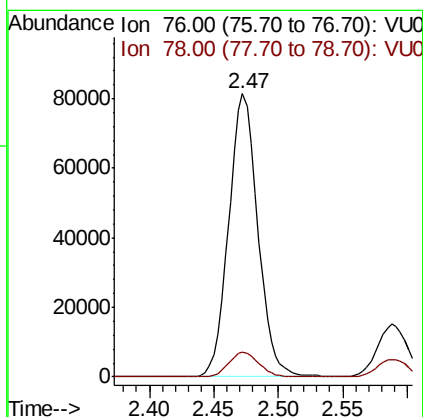
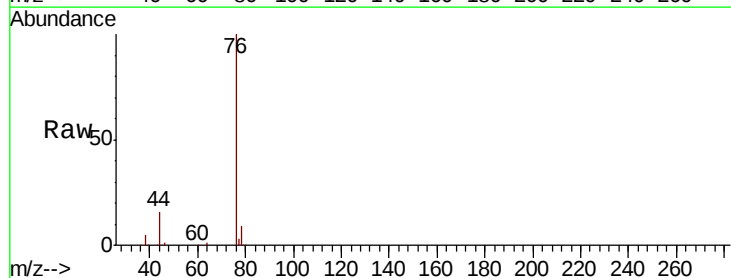


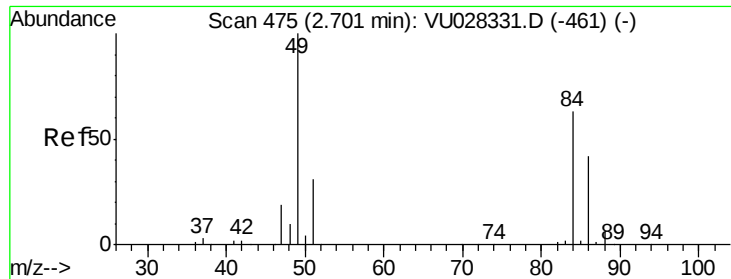
12/14/2018 9:32:27 AM



#14
Carbon Disulfide
Concen: 9.897 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.01 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Tgt Ion: 76 Resp: 127979
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.2





#15

Methylene Chloride

Concen: 10.205 ug/l

RT: 2.70 min Scan# 474

Delta R.T. -0.00 min

Lab File: VU028676.D

Acq: 13 Dec 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

P001-TW001-01MS

Tot Ion: 84 Resp: 42360

Ion Ratio Lower Upper

84 100

49 152.1 127.7 191.5

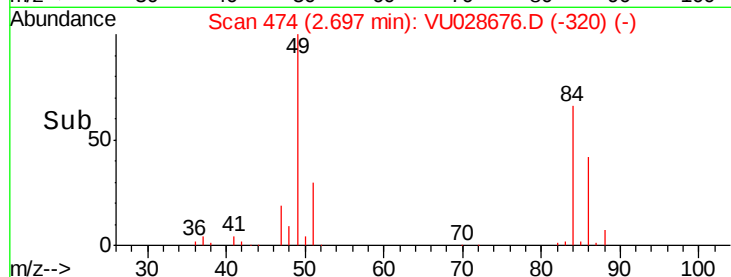
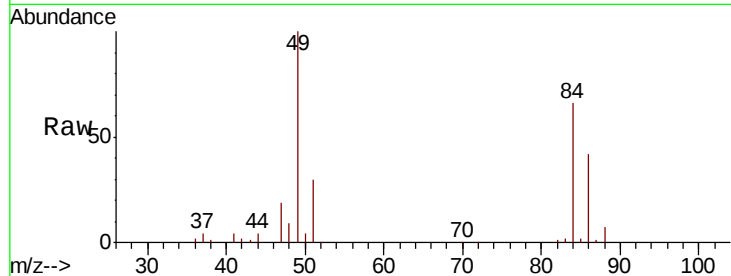
51 45.3 0.0 98.2

86 64.6 53.1 79.7

Manual Integrations

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MMDadoda

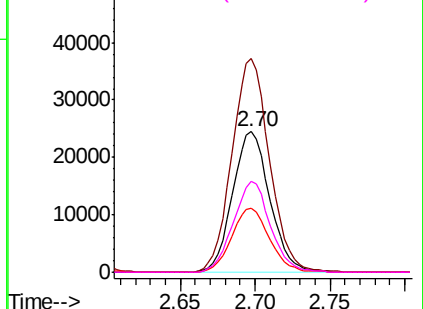


Abundance Ion 84.00 (83.70 to 84.70): VU0

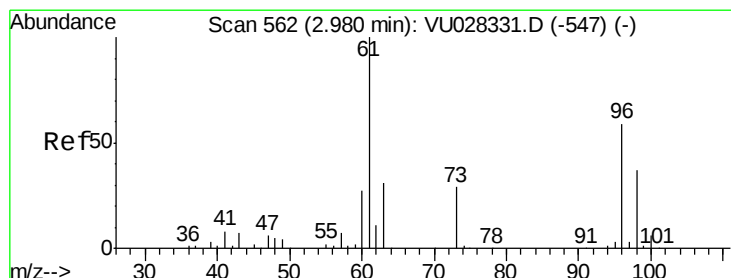
Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



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#16

trans-1,2-Dichloroethene

Concen: 10.035 ug/l

RT: 2.98 min Scan# 561

Delta R.T. -0.00 min

Lab File: VU028676.D

Acq: 13 Dec 2018 14:09

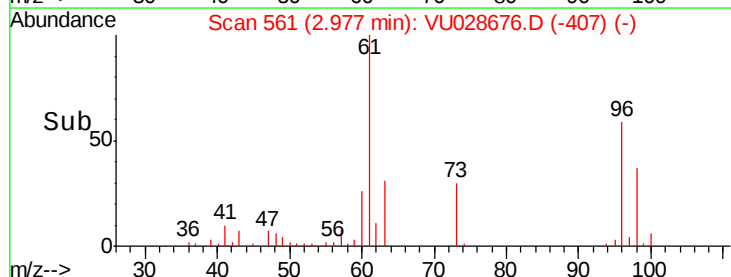
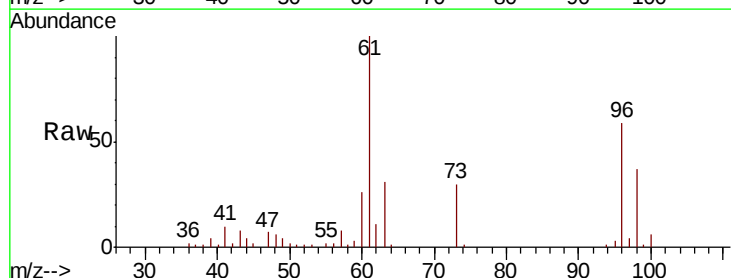
Tgt Ion: 96 Resp: 38231

Ion Ratio Lower Upper

96 100

61 168.2 136.4 204.6

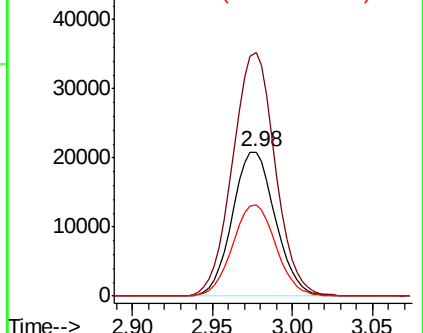
98 62.9 49.8 74.8

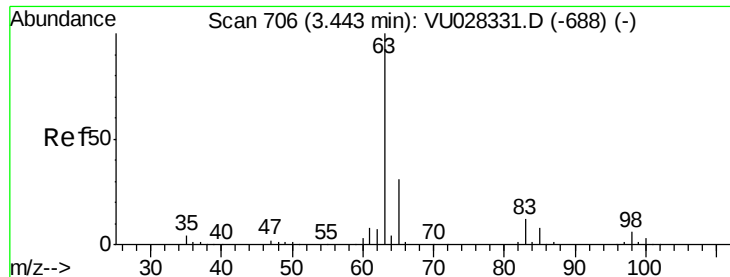


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





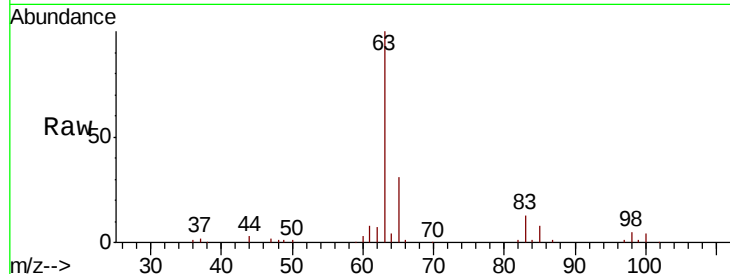
#17
 1,1-Dichloroethane
 Concen: 10.260 ug/l
 RT: 3.44 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VU028676.D
 Acq: 13 Dec 2018 14:09

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-TW001-01MS

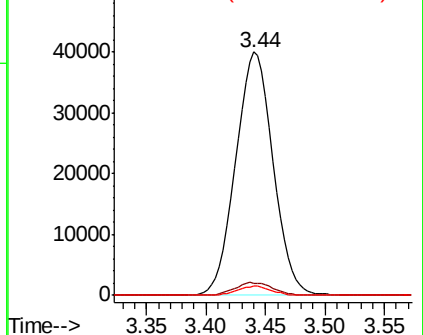
Tot Ion	Ratio	Lower	Upper
63	100		
98	5.2	3.0	9.0
100	3.6	1.8	5.3

Manual Integrations
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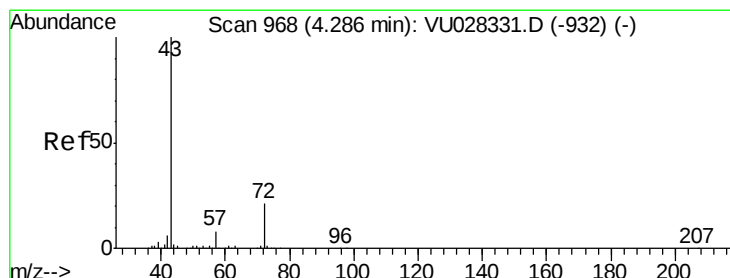
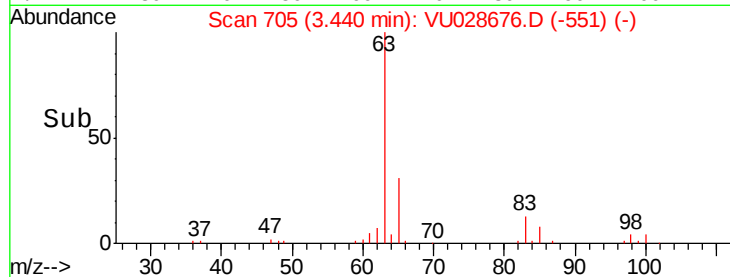
MMDadoda



Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

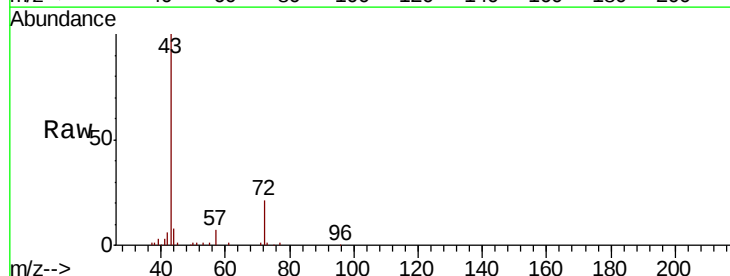


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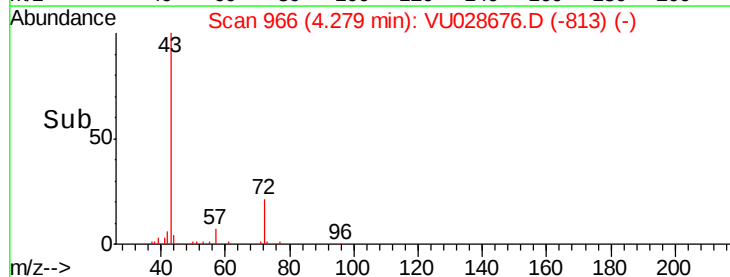
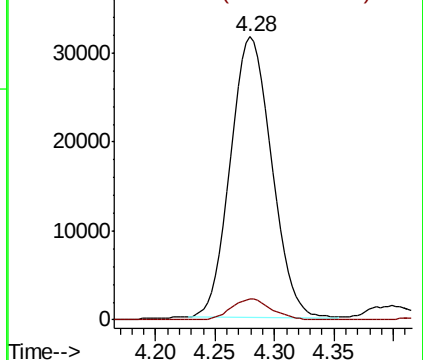


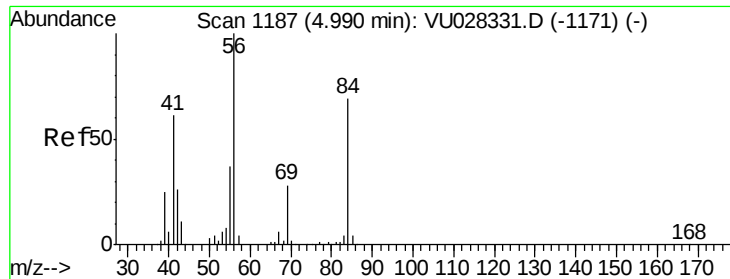
#18
 2-Butanone
 Concen: 50.632 ug/l
 RT: 4.28 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: VU028676.D
 Acq: 13 Dec 2018 14:09

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.5	0.0	15.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0





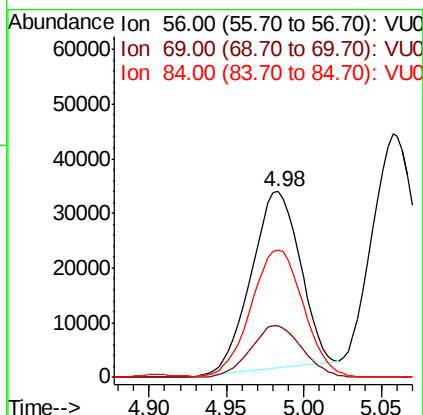
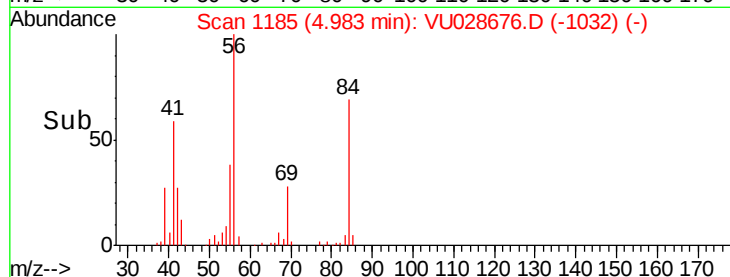
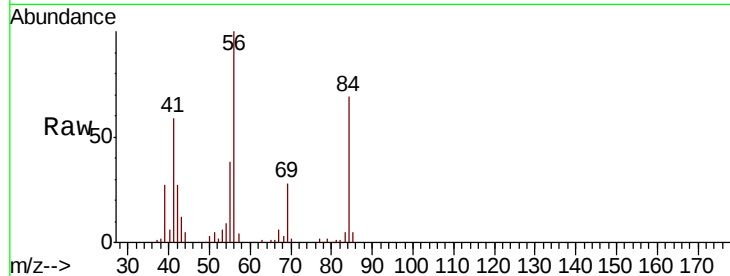
#19
Cyclohexane
Concen: 9.638 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MS

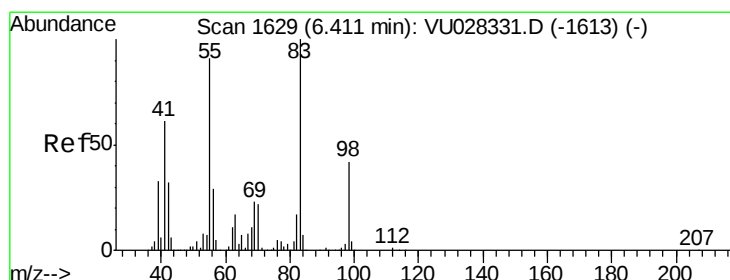
Tot Ion:	56	Resp:	71061
Ion Ratio	Lower	Upper	
56	100		
69	31.0	25.0	37.6
84	77.2	62.6	94.0

Manual Integrations
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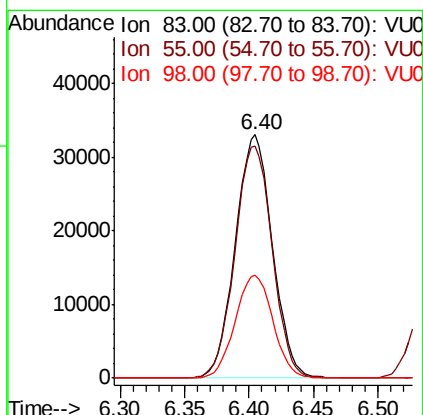
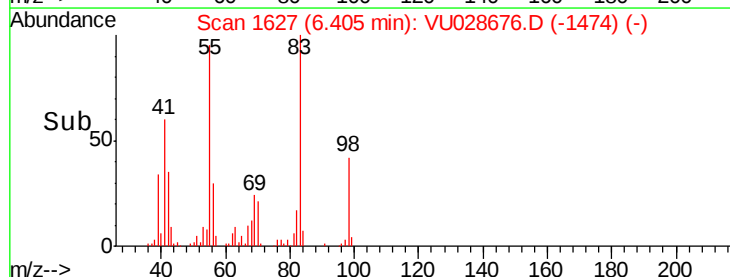
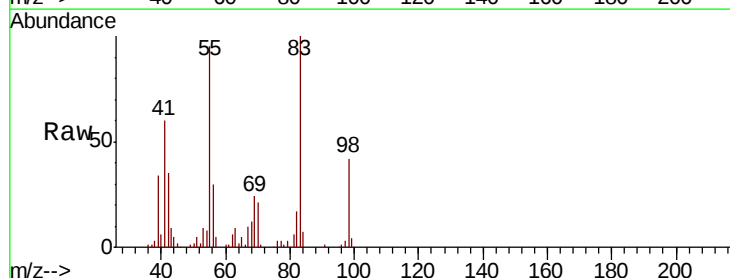


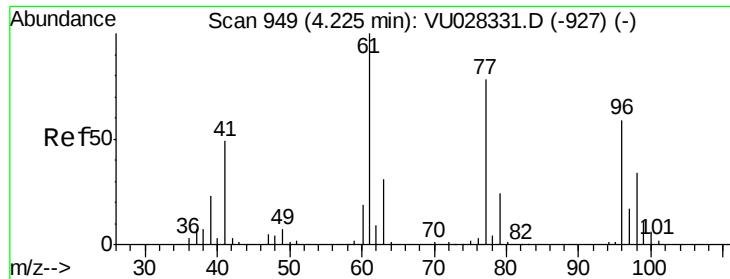
12/14/2018 9:32:27 AM



#20
Methylcyclohexane
Concen: 9.172 ug/l
RT: 6.40 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Tgt Ion:	83	Resp:	66195
Ion Ratio	Lower	Upper	
83	100		
55	95.8	72.6	108.8
98	43.1	33.8	50.8





#21

2,2-Dichloropropane

Concen: 10.000 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU028676.D

Acq: 13 Dec 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

P001-TW001-01MS

Tot Ion: 77 Resp: 68165

Ion Ratio Lower Upper

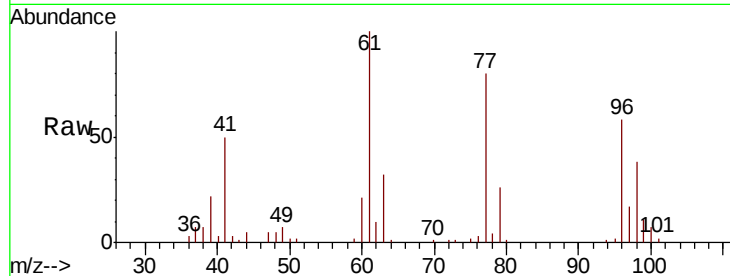
77 100

97 20.3 17.4 26.2

Manual Integrations

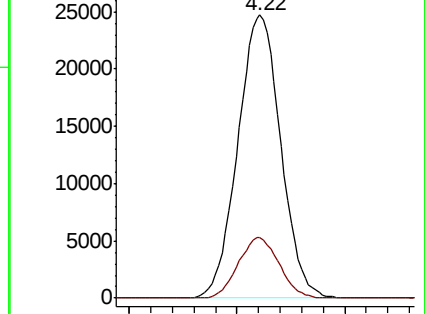
APPROVED

MMDadoda

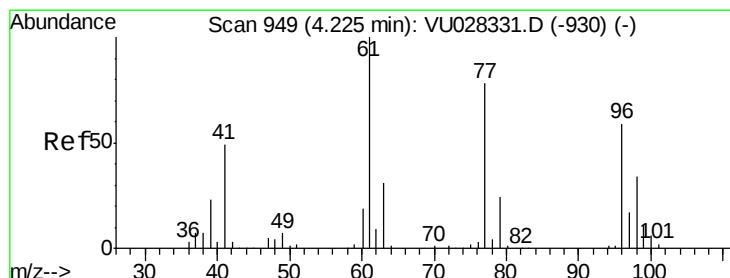
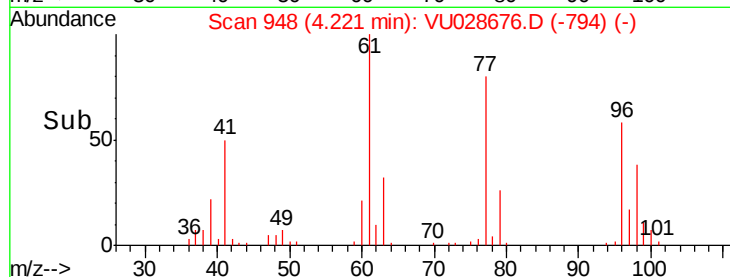


Abundance Ion 77.00 (76.70 to 77.70): VU028331.D (-927) (-)

Ion 97.00 (96.70 to 97.70): VU028331.D (-927) (-)



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#22

cis-1,2-Dichloroethene

Concen: 9.824 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU028676.D

Acq: 13 Dec 2018 14:09

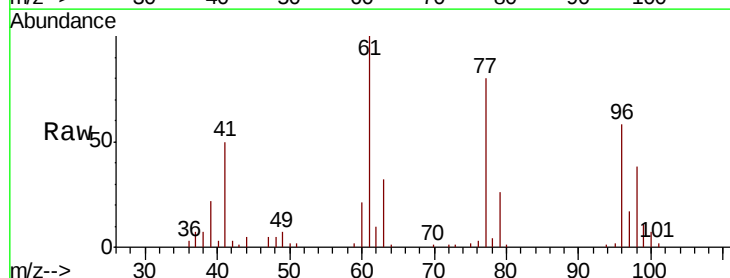
Tgt Ion: 96 Resp: 43799

Ion Ratio Lower Upper

96 100

61 172.4 0.0 423.0

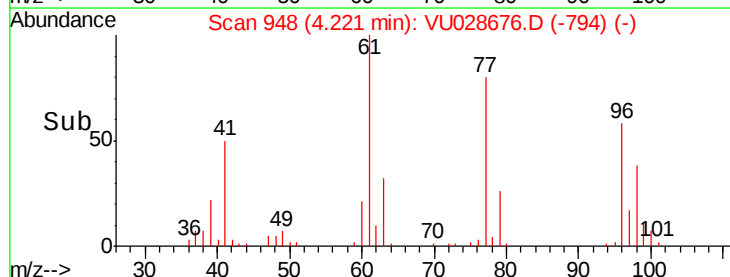
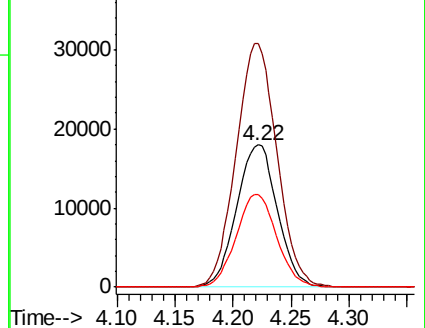
98 65.1 30.3 91.0

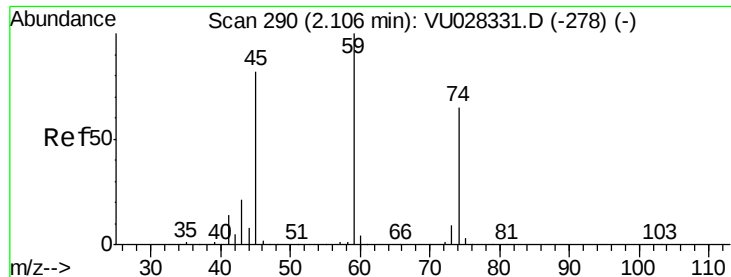


Abundance Ion 96.00 (95.70 to 96.70): VU028676.D (-794) (-)

Ion 61.00 (60.70 to 61.70): VU028676.D (-794) (-)

Ion 98.00 (97.70 to 98.70): VU028676.D (-794) (-)





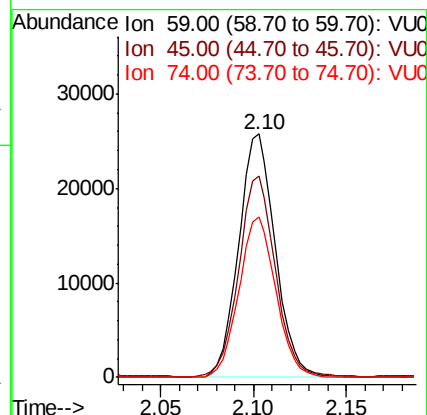
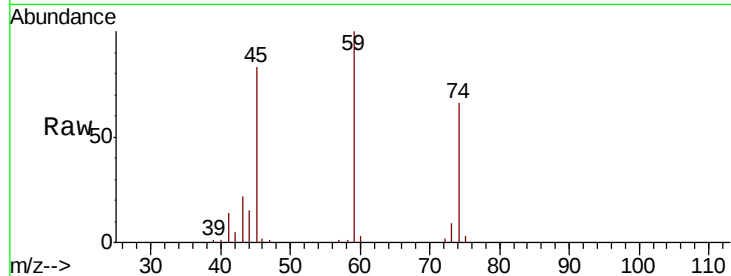
#23
Diethyl Ether
Concen: 10.324 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MS

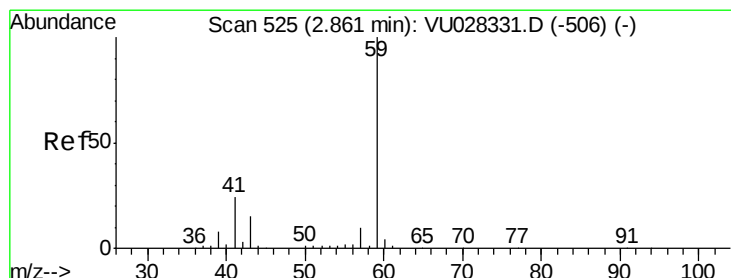
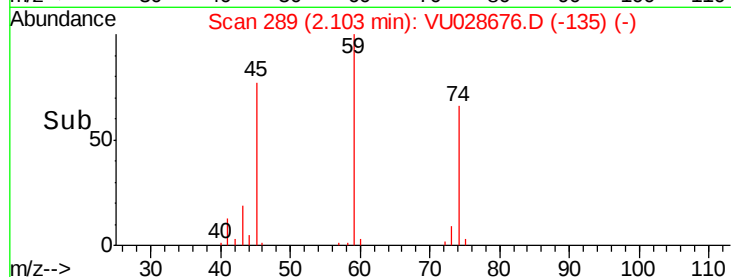
Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		35232		
45	83.6	66.4	99.6		
74	66.4	52.2	78.4		

Manual Integrations
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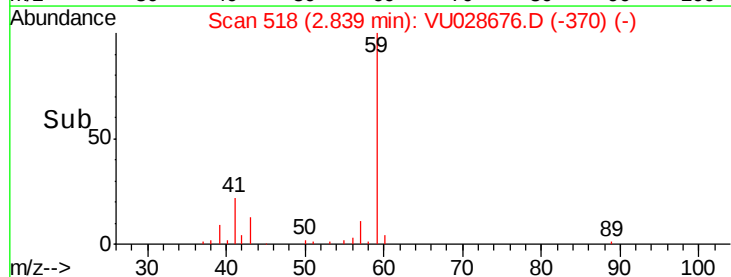
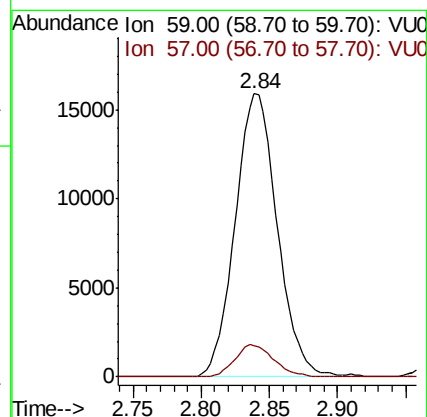
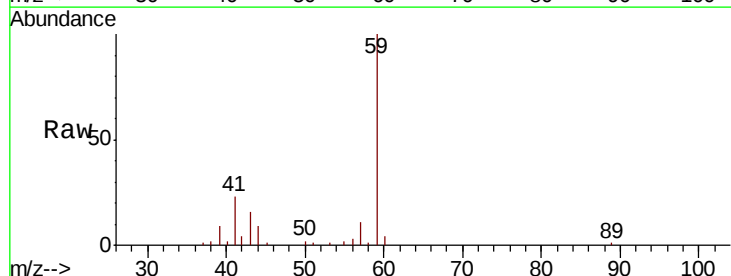


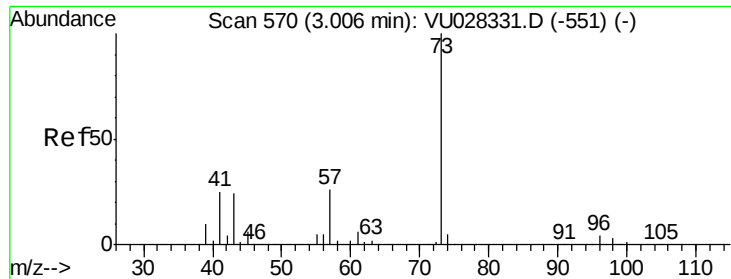
12/14/2018 9:32:27 AM



#24
tert-Butyl Alcohol
Concen: 99.446 ug/l
RT: 2.84 min Scan# 518
Delta R.T. -0.02 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
59	100		34063		
57	10.4	8.2	12.4		





#25

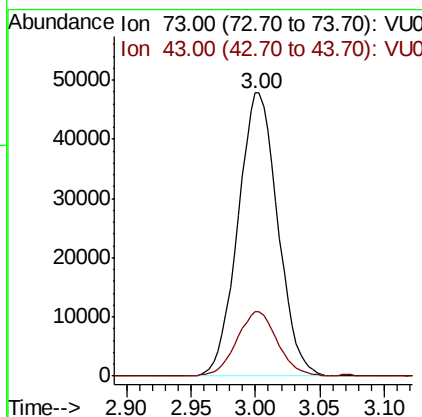
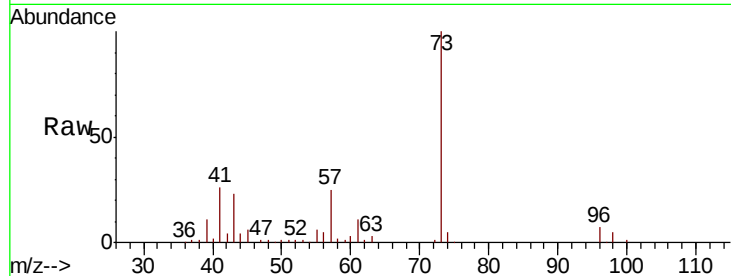
Methvl tert-Butvl Ether
 Concen: 10.187 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: VU028676.D
 Acq: 13 Dec 2018 14:09

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-TW001-01MS

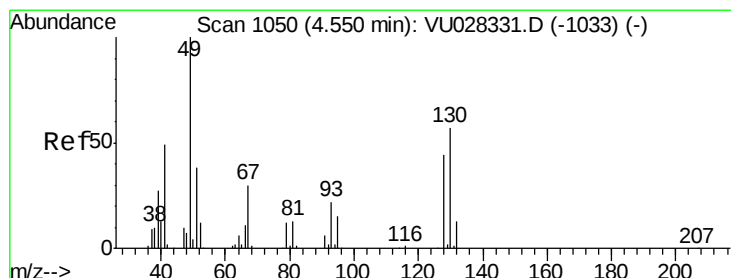
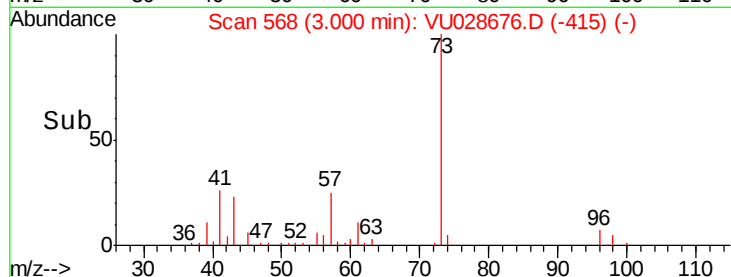
Tot Ion	Ion	Ratio	Lower	Upper
73	100			
43	23.6	18.5	27.7	

Manual Integrations
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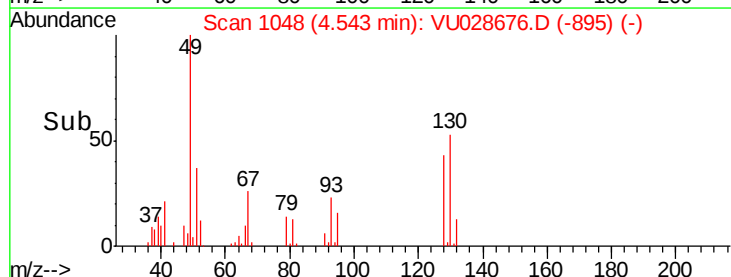
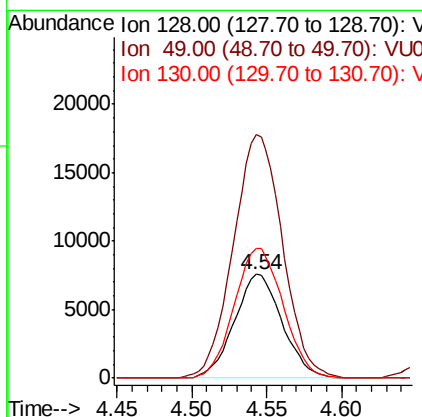
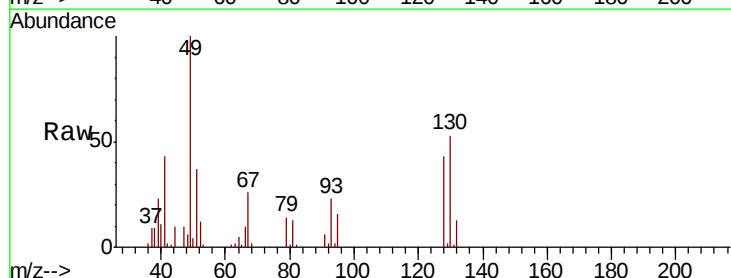
12/14/2018 9:32:27 AM

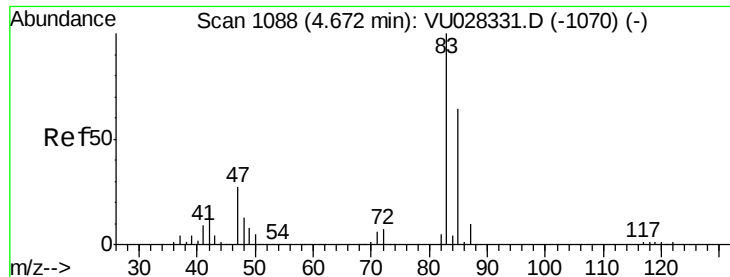


#26

Bromochloromethane
 Concen: 9.895 ug/l
 RT: 4.54 min Scan# 1048
 Delta R.T. -0.01 min
 Lab File: VU028676.D
 Acq: 13 Dec 2018 14:09

Tgt Ion	Ion	Ratio	Lower	Upper
128	100			
49	242.0	0.0	457.6	
130	128.1	101.4	152.2	





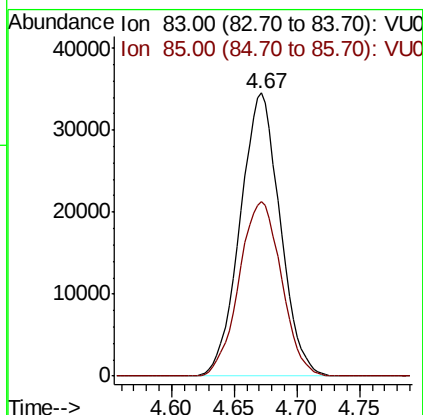
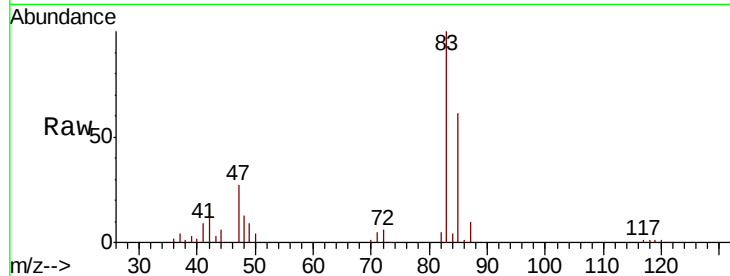
#27
Chloroform
Concen: 9.350 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MS

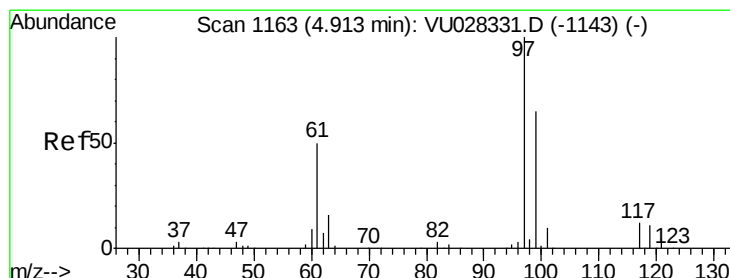
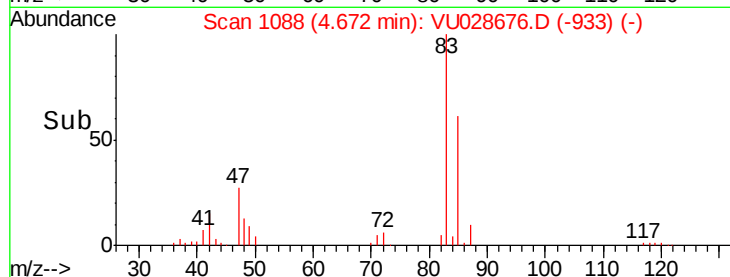
Tot Ion	83	Resp	76581
Ion Ratio	100	Lower	Upper
85	61.5	0.0	128.0

Manual Integrations
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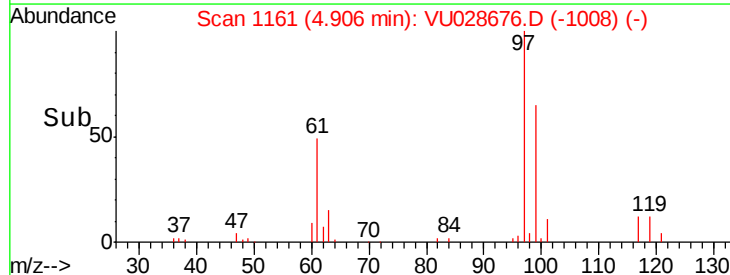
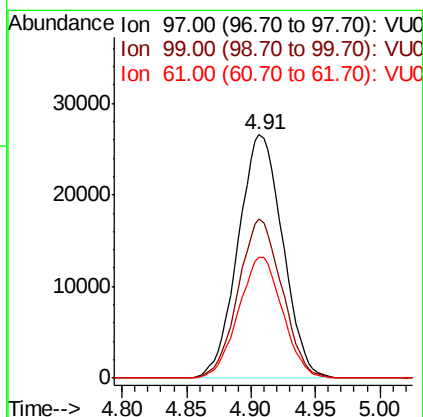
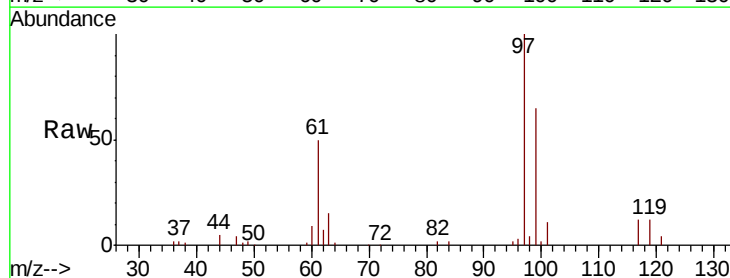


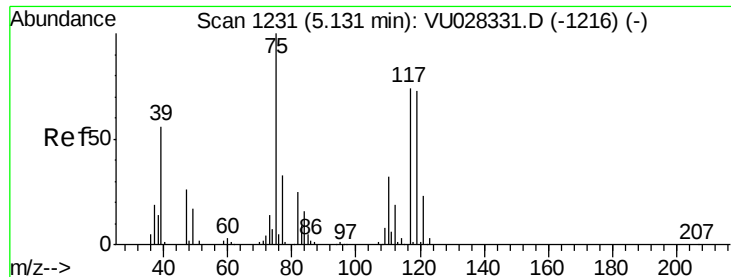
12/14/2018 9:32:27 AM



#28
1,1,1-Trichloroethane
Concen: 10.002 ug/l
RT: 4.91 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Tgt Ion	97	Resp	63975
Ion Ratio	100	Lower	Upper
99	64.1	32.2	96.6
61	49.0	24.9	74.7





#29

1,1-Dichloropropene

Concen: 9.526 ug/l

RT: 5.13 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VU028676.D

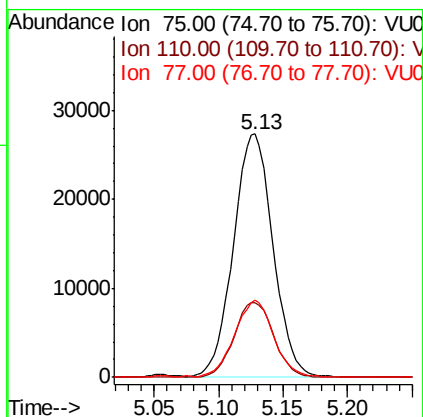
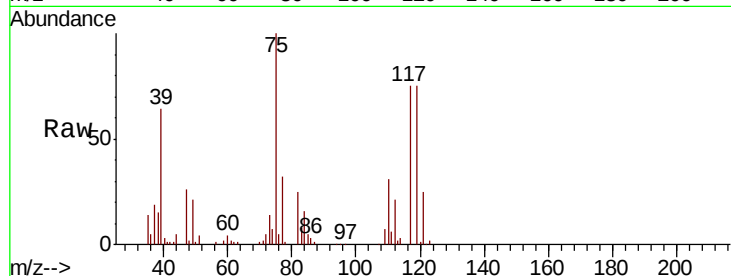
Acq: 13 Dec 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MS

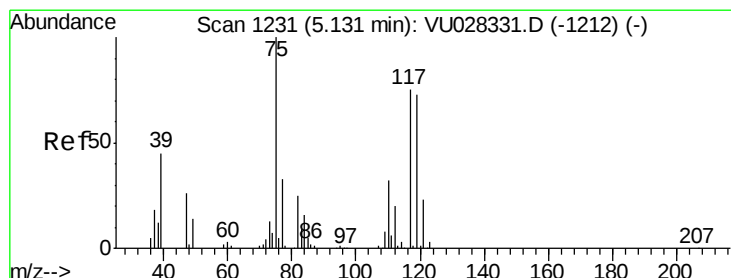
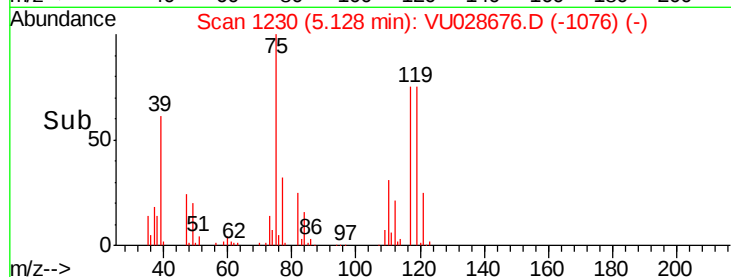
Tot Ion:	75	Resp:	58453
Ion Ratio	Lower	Upper	
75	100		
110	30.5	15.8	47.3
77	31.3	25.4	38.0

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 9.645 ug/l

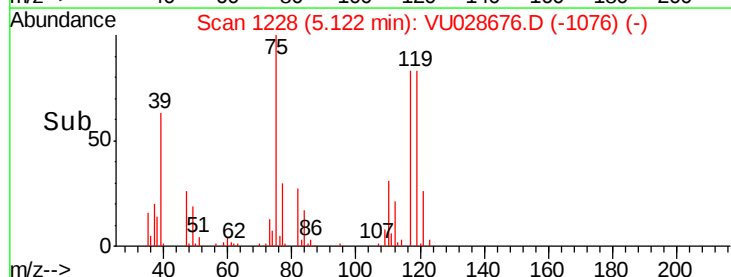
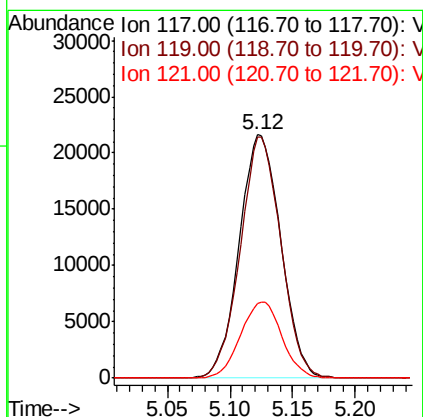
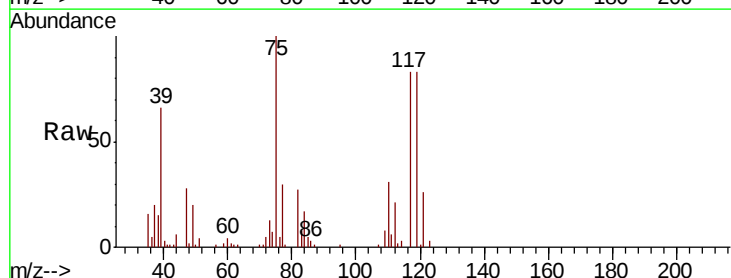
RT: 5.12 min Scan# 1228

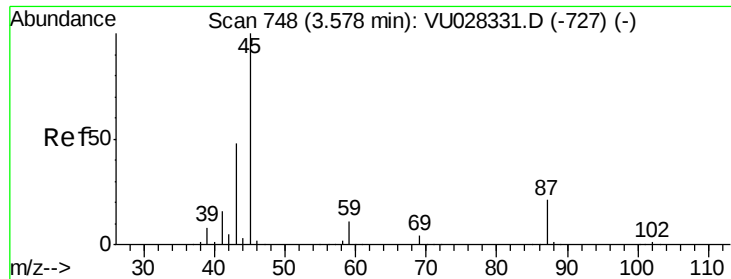
Delta R.T. -0.01 min

Lab File: VU028676.D

Acq: 13 Dec 2018 14:09

Tgt Ion:	117	Resp:	49817
Ion Ratio	Lower	Upper	
117	100		
119	99.2	78.2	117.4
121	30.7	24.7	37.1





#31

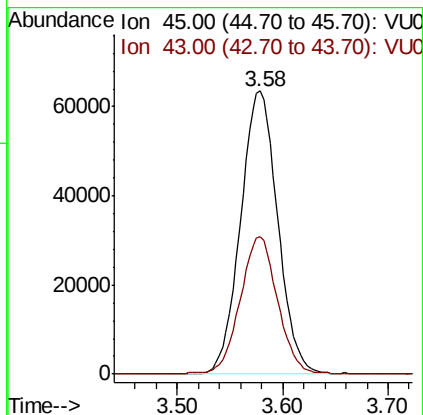
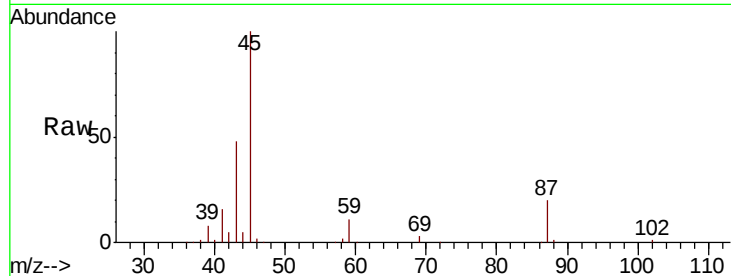
Isopropyl Ether
 Concen: 10.233 ug/l
 RT: 3.58 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: VU028676.D
 Acq: 13 Dec 2018 14:09

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-TW001-01MS

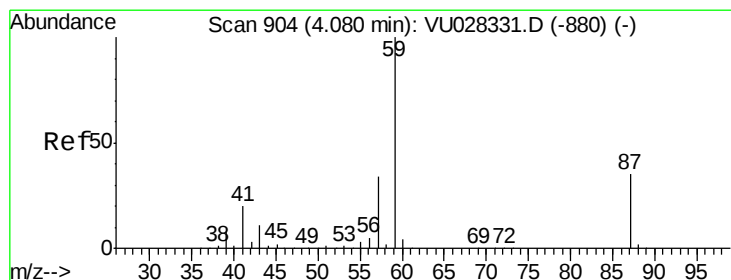
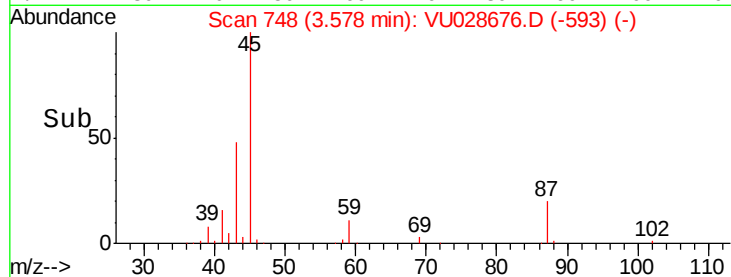
Tot Ion	45	43	Ratio	Lower	Upper
45	100				
43	49.1		24.2	72.6	

Manual Integrations
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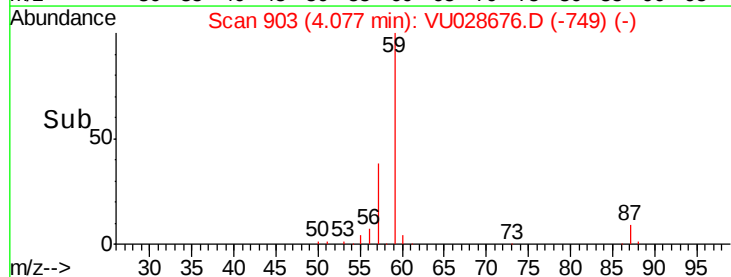
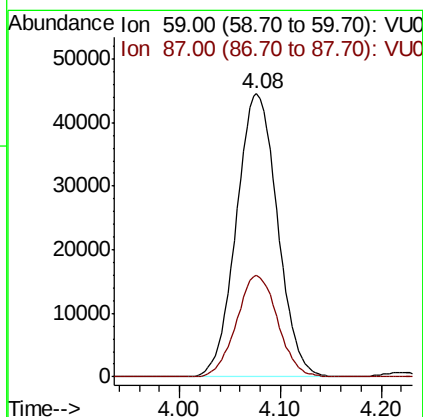
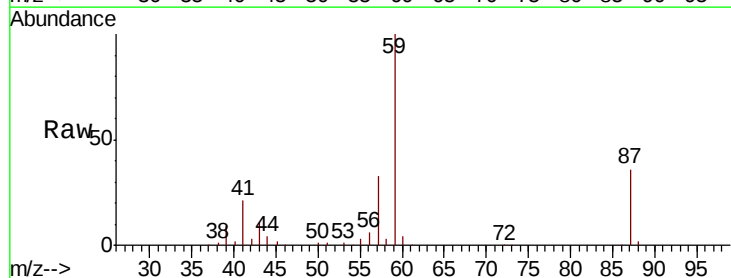
12/14/2018 9:32:27 AM

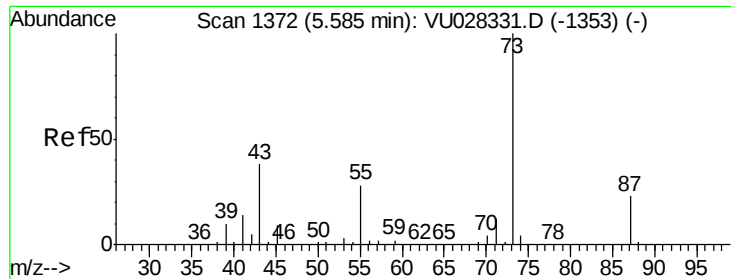


#32

Ethyl-t-butyl ether
 Concen: 10.054 ug/l
 RT: 4.08 min Scan# 903
 Delta R.T. -0.00 min
 Lab File: VU028676.D
 Acq: 13 Dec 2018 14:09

Tgt Ion	59	87	Ratio	Lower	Upper
59	100				
87	35.7		28.2	42.4	





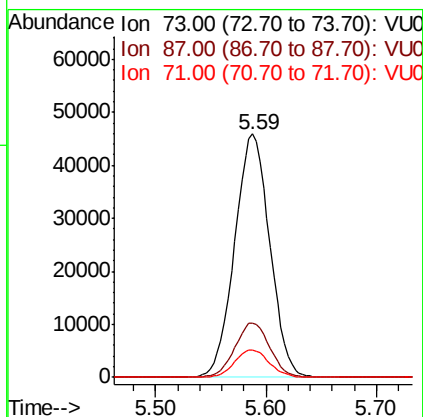
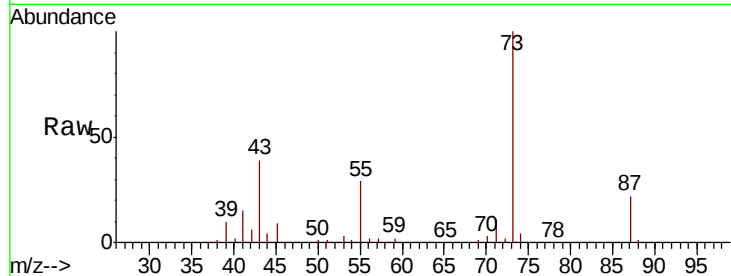
#33
Tert-Butyl methyl ether
Concen: 9.744 ug/l
RT: 5.59 min Scan# 1373
Delta R.T. 0.00 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MS

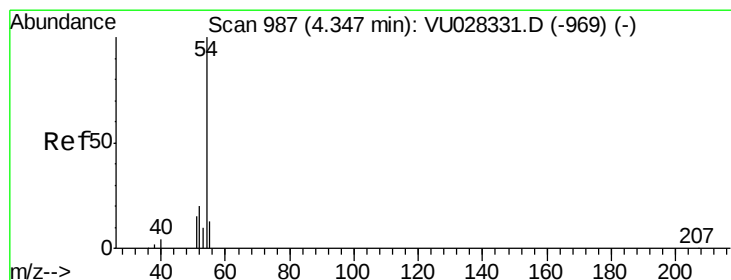
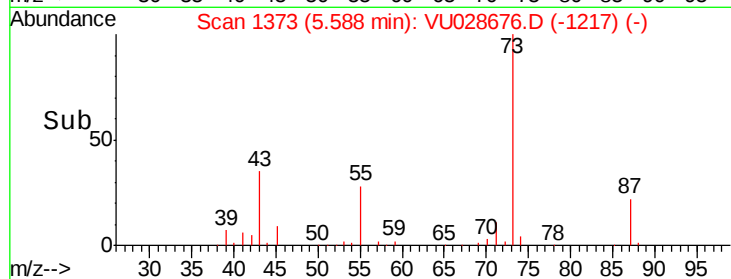
Tot Ion	Ratio	Lower	Upper
73	100		
87	22.0	17.6	26.4
71	11.2	9.2	13.8

Manual Integrations
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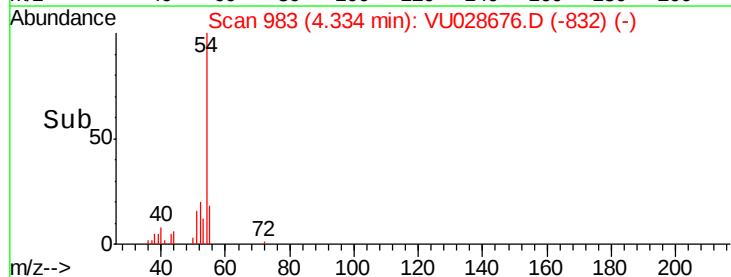
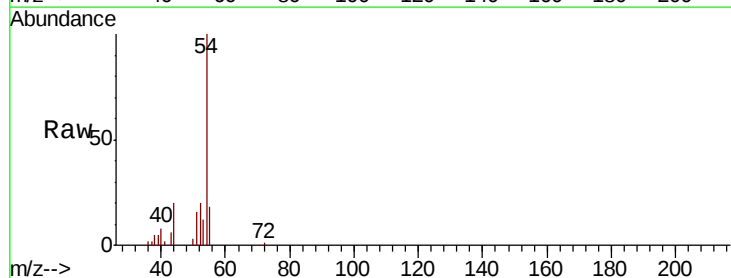
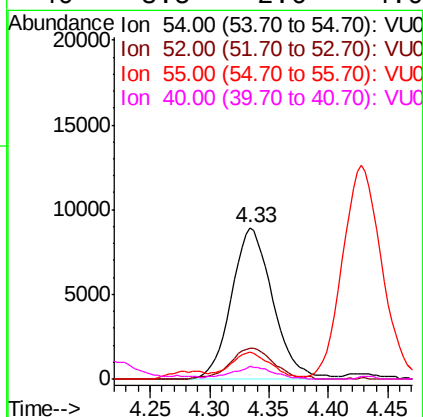


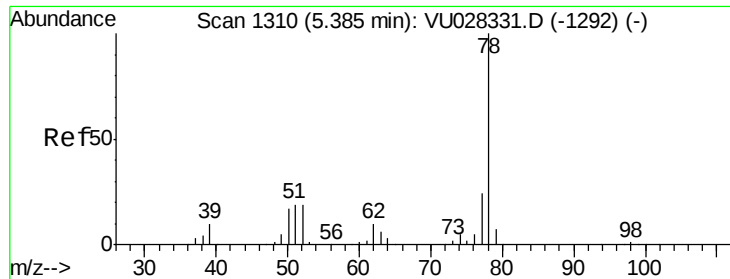
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#34
Propionitrile
Concen: 56.577 ug/l
RT: 4.33 min Scan# 983
Delta R.T. -0.01 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Tgt Ion	Ratio	Lower	Upper
54	100		
52	21.3	16.6	25.0
55	16.3	12.9	19.3
40	8.5	2.6	4.0





#35

Benzene

Concen: 9.622 ug/l

RT: 5.38 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VU028676.D

Acq: 13 Dec 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MS

Tot Ion: 78 Resp: 173804

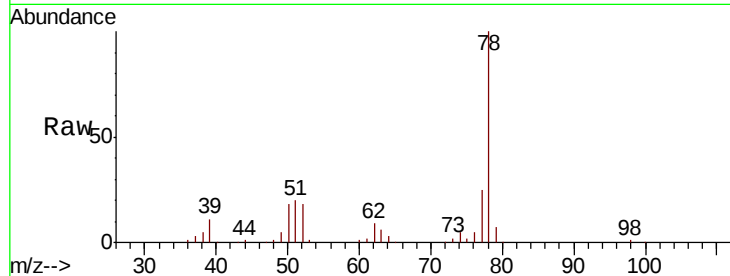
Ion Ratio Lower Upper

78 100

77 24.5 19.5 29.3

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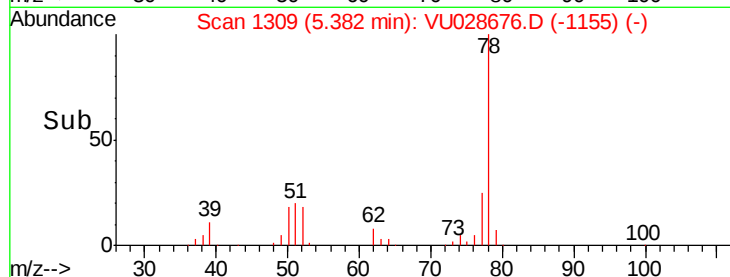


Abundance Ion 78.10 (77.80 to 78.80): VU028331.D (-1292) (-)

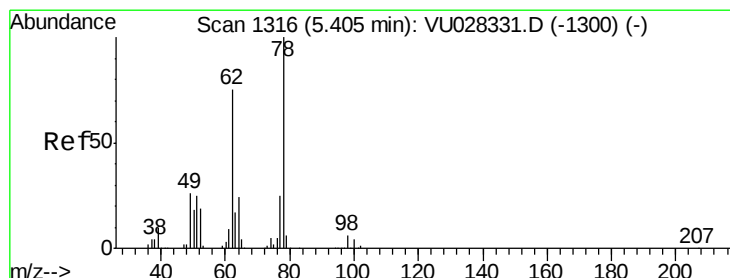
Ion 77.00 (76.70 to 77.70): VU028331.D (-1292) (-)

5.38

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Time-->



#36

1,2-Dichloroethane

Concen: 10.121 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU028676.D

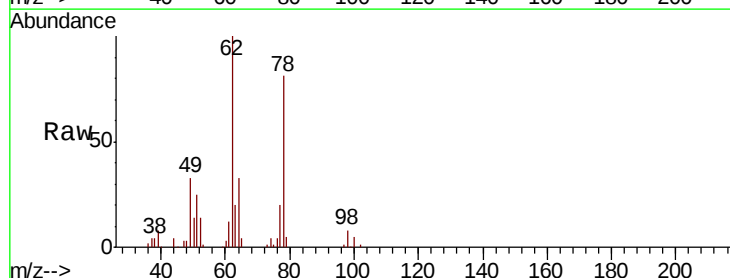
Acq: 13 Dec 2018 14:09

Tgt Ion: 62 Resp: 54680

Ion Ratio Lower Upper

62 100

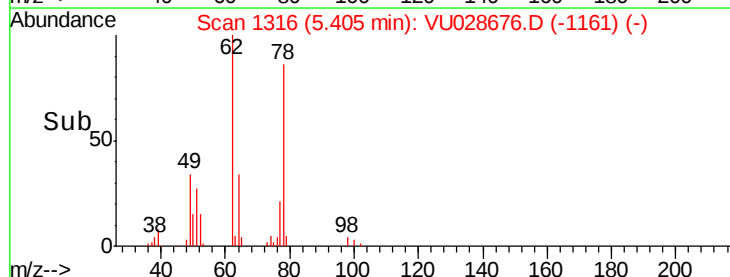
98 7.4 6.0 9.0



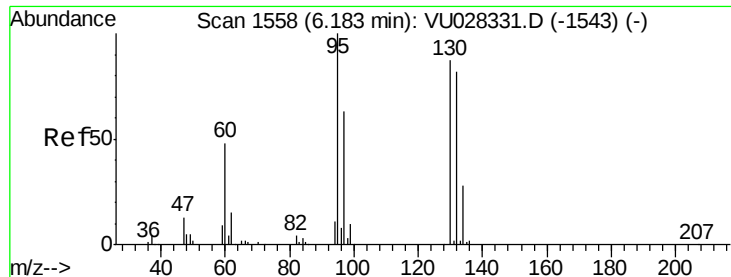
Abundance Ion 62.00 (61.70 to 62.70): VU028331.D (-1300) (-)

Ion 98.00 (97.70 to 98.70): VU028331.D (-1300) (-)

5.40



Time-->



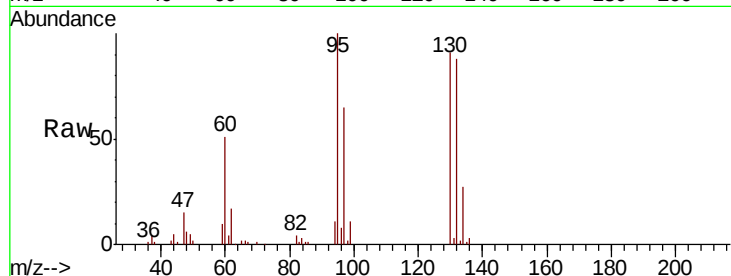
#37
 Trichloroethene
 Concen: 12.339 ug/l
 RT: 6.18 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VU028676.D
 Acq: 13 Dec 2018 14:09

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-TW001-01MS

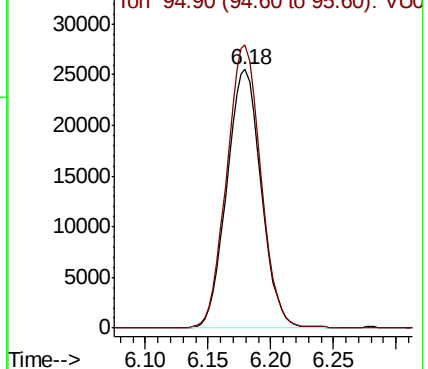
Tot Ion:130 Resp: 48545
 Ion Ratio Lower Upper
 130 100
 95 109.5 91.5 137.3

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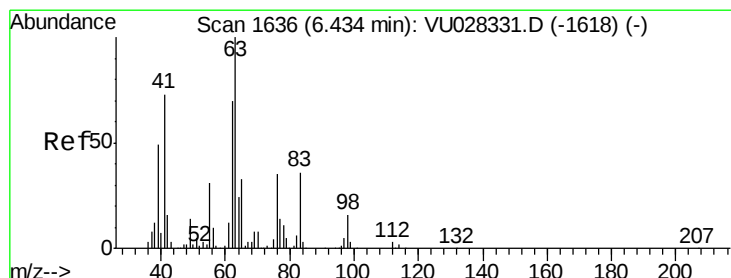
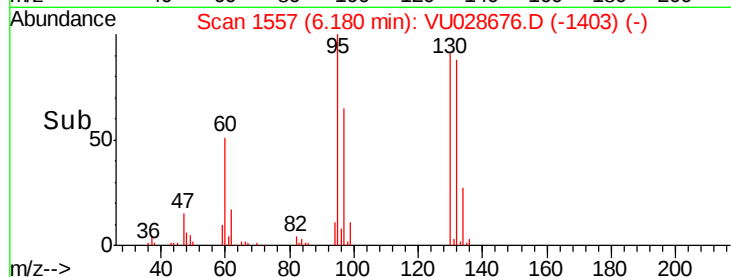
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Abundance Ion 129.90 (129.60 to 130.60): VU028331.D (-1543) (-)
 Ion 94.90 (94.60 to 95.60): VU028331.D (-1543) (-)

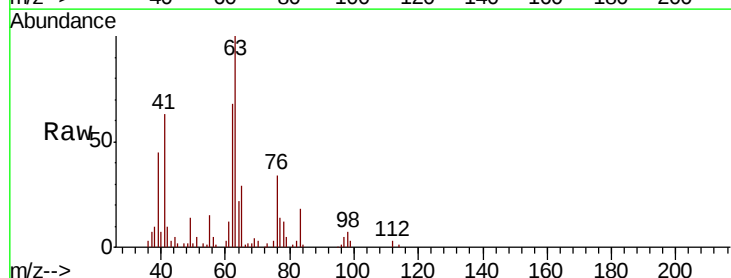


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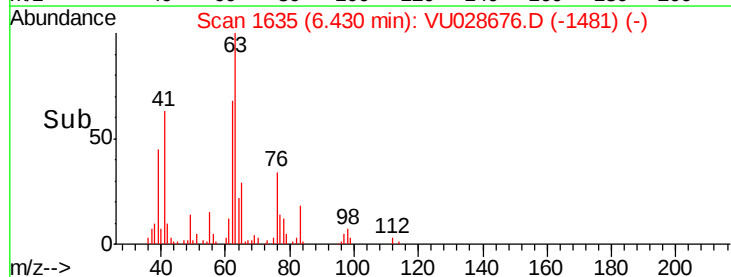
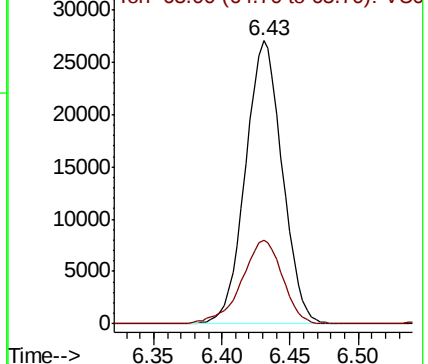


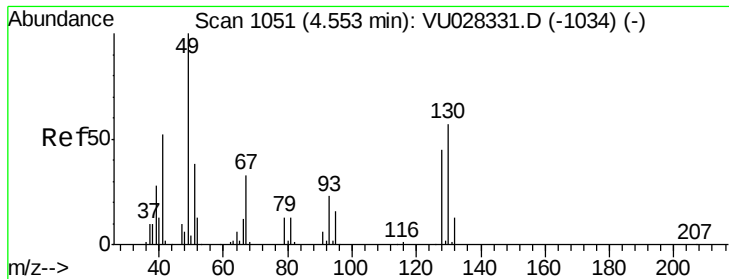
#38
 1,2-Dichloropropane
 Concen: 9.845 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028676.D
 Acq: 13 Dec 2018 14:09

Tgt Ion: 63 Resp: 50716
 Ion Ratio Lower Upper
 63 100
 65 29.5 26.2 39.4



Abundance Ion 63.00 (62.70 to 63.70): VU028331.D (-1618) (-)
 Ion 65.00 (64.70 to 65.70): VU028331.D (-1618) (-)





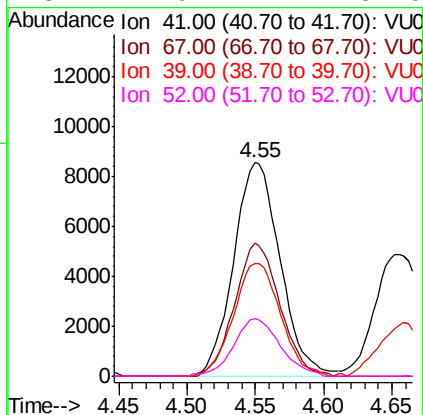
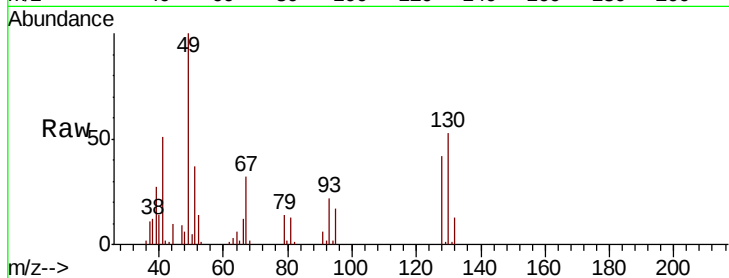
#39
Methacrylonitrile
Concen: 10.046 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MS

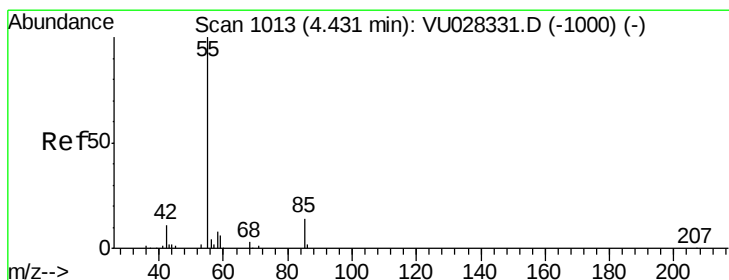
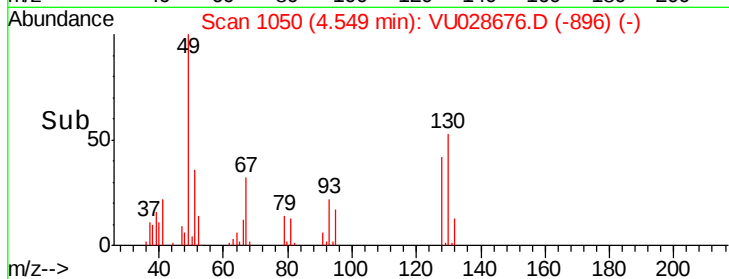
Tot Ion	Ratio	Lower	Upper
41	100		
67	60.4	48.2	72.4
39	53.3	42.9	64.3
52	27.0	21.4	32.0

Manual Integrations
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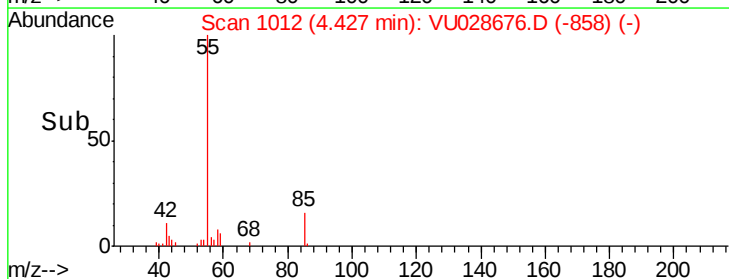
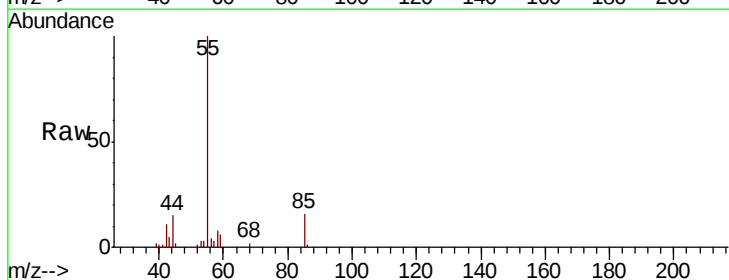
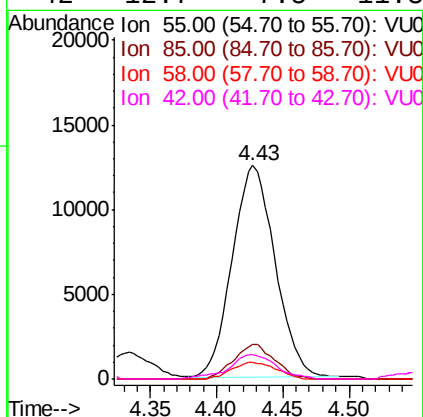


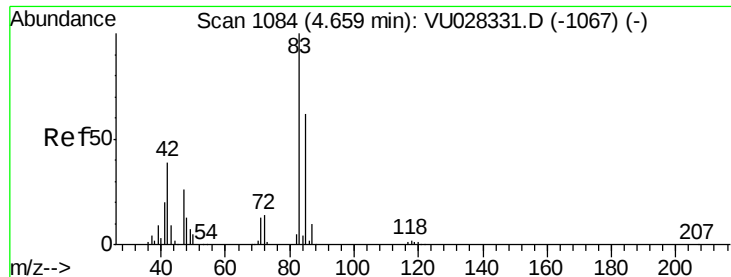
12/14/2018 9:32:27 AM



#40
Methyl acrylate
Concen: 10.125 ug/l
RT: 4.43 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Tgt Ion	Ratio	Lower	Upper
55	100		
85	15.5	10.9	16.3
58	8.2	6.4	9.6
42	12.7	7.5	11.3#





#41

Tetrahydrofuran

Concen: 20.542 ug/l

RT: 4.66 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VU028676.D

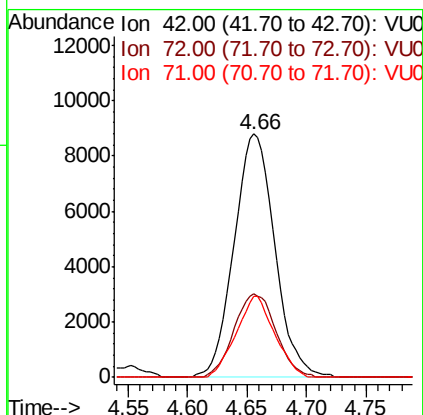
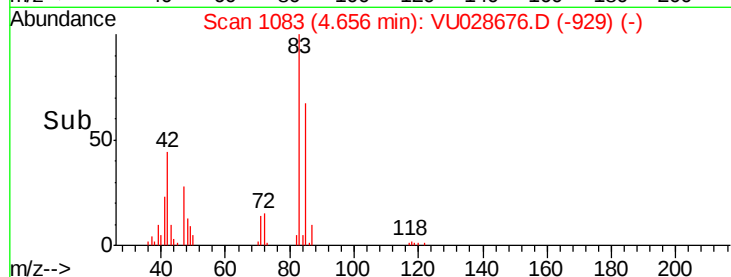
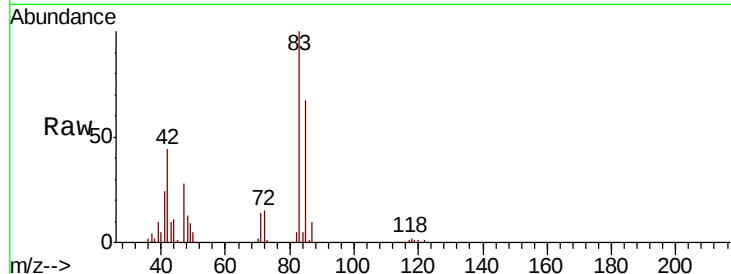
Acq: 13 Dec 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MS

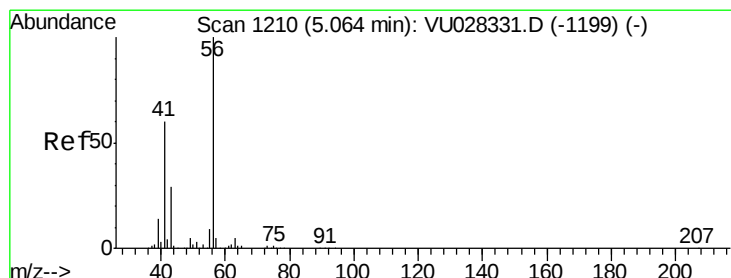
Tot Ion	Ratio	Lower	Upper
42	100		
72	35.3	29.8	44.6
71	31.2	25.9	38.9

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#42

1-Chlorobutane

Concen: 9.716 ug/l

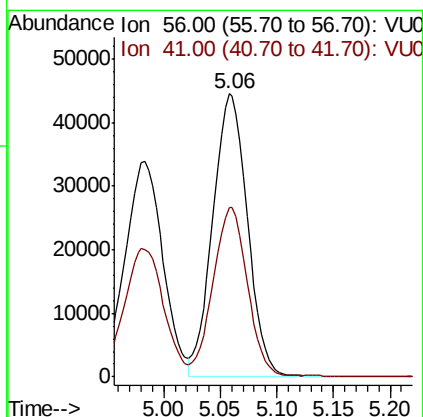
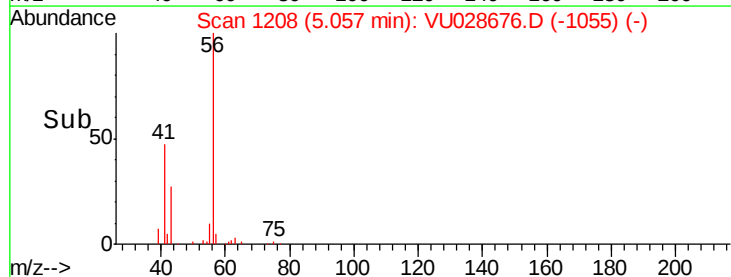
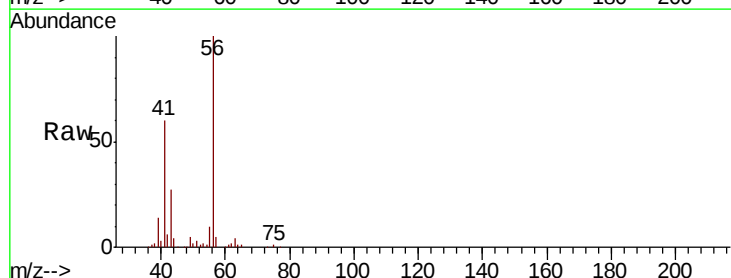
RT: 5.06 min Scan# 1208

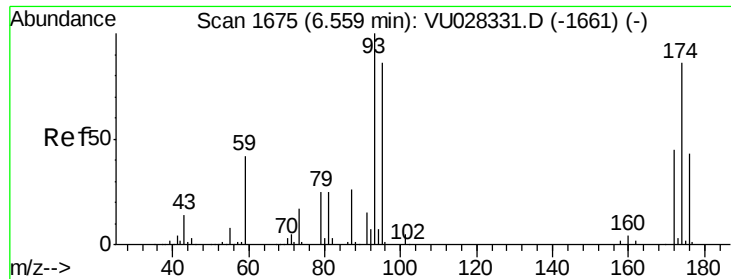
Delta R.T. -0.01 min

Lab File: VU028676.D

Acq: 13 Dec 2018 14:09

Tgt Ion	Ratio	Lower	Upper
56	100		
41	58.9	29.8	89.3





#43

Dibromomethane

Concen: 9.966 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028676.D

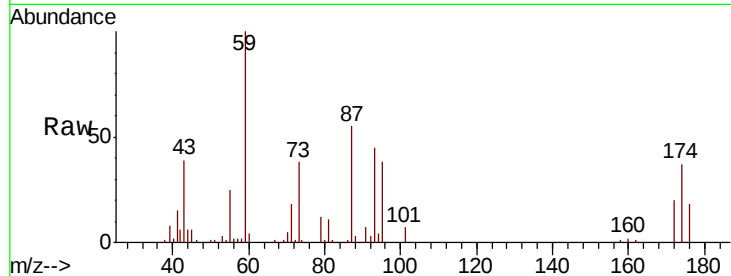
Acq: 13 Dec 2018 14:09

Tot Ion:	93	Resp:	21855
Ion Ratio	Lower	Upper	
93	100		
95	84.1	66.6	99.8
174	88.1	69.4	104.2

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MS

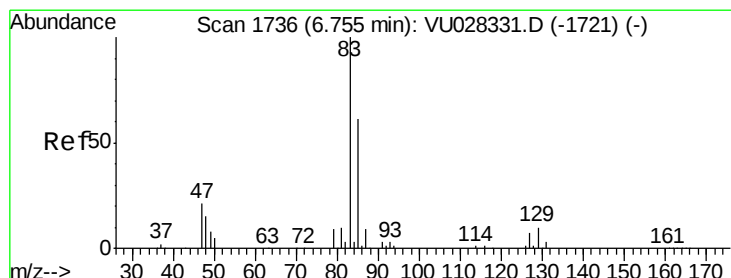
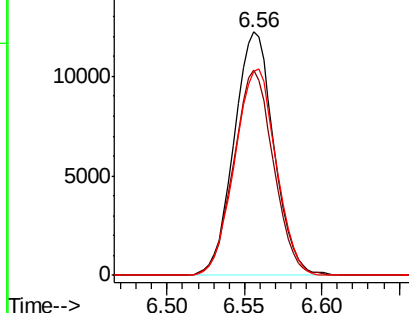
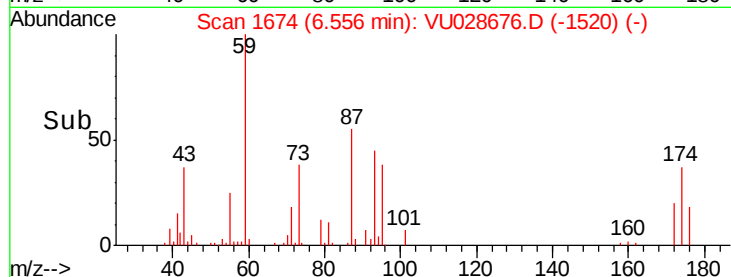
Manual Integrations
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Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V

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#44

Bromodichloromethane

Concen: 9.554 ug/l

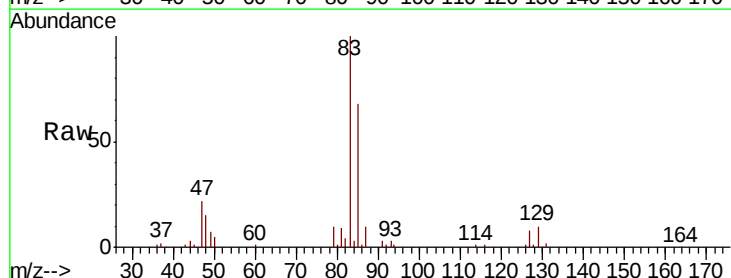
RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

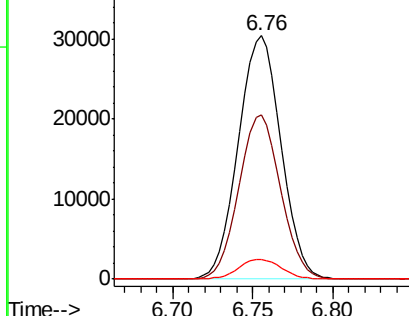
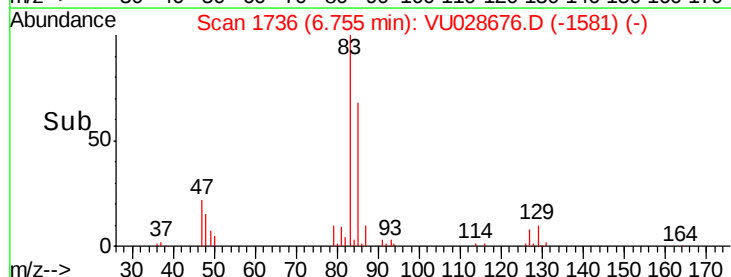
Lab File: VU028676.D

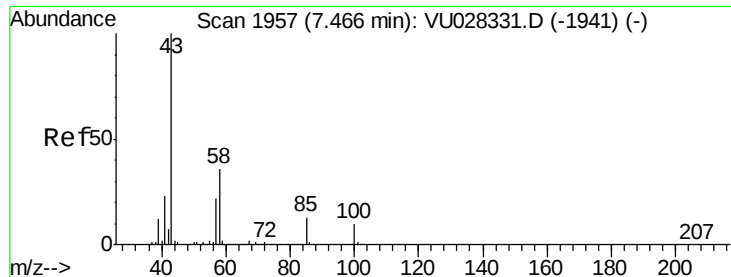
Acq: 13 Dec 2018 14:09

Tgt Ion:	83	Resp:	55320
Ion Ratio	Lower	Upper	
83	100		
85	67.6	49.0	73.6
127	8.0	5.7	8.5



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V





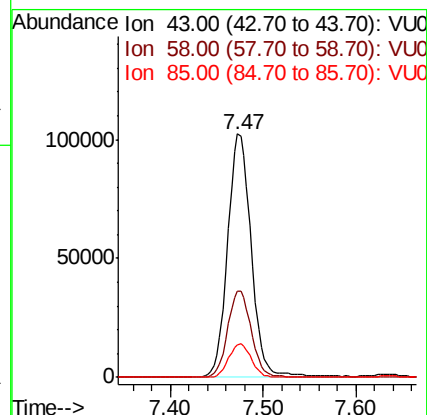
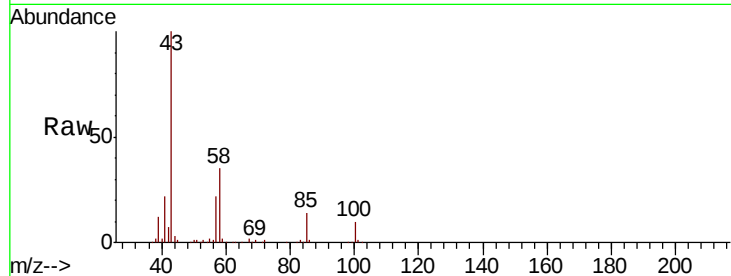
#45
4-Methyl-2-Pentanone
Concen: 50.710 ug/l
RT: 7.47 min Scan# 1959
Delta R.T. 0.01 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MS

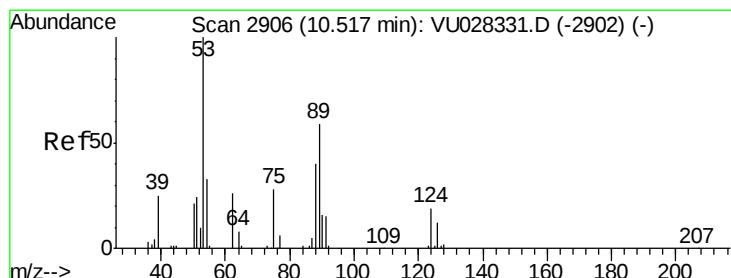
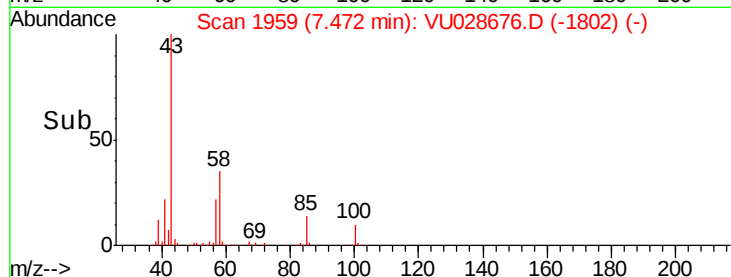
Tot Ion	Ratio	Lower	Upper
43	100		
58	36.1	17.9	53.7
85	13.4	10.8	16.2

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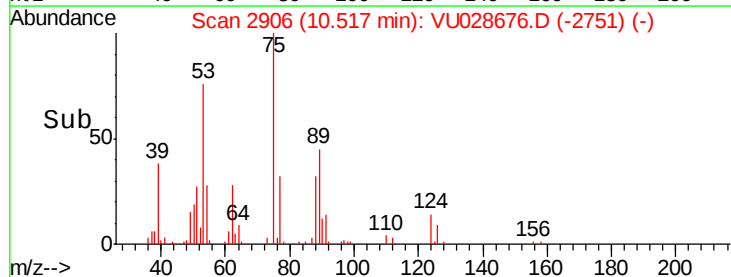
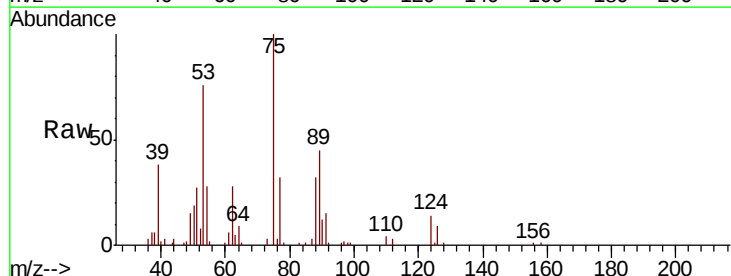
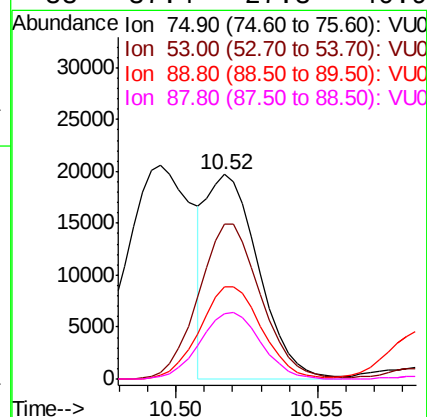


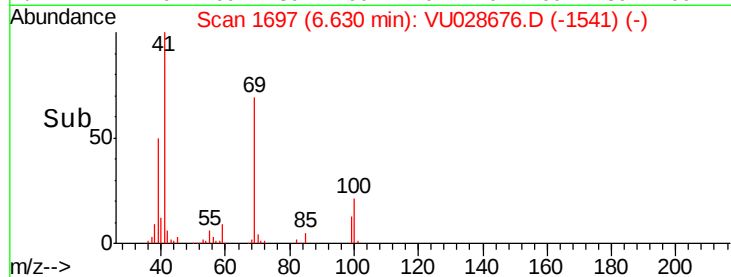
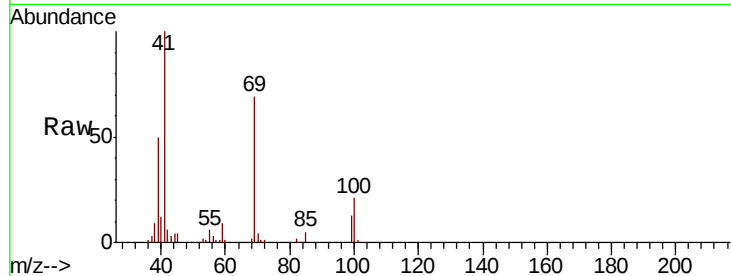
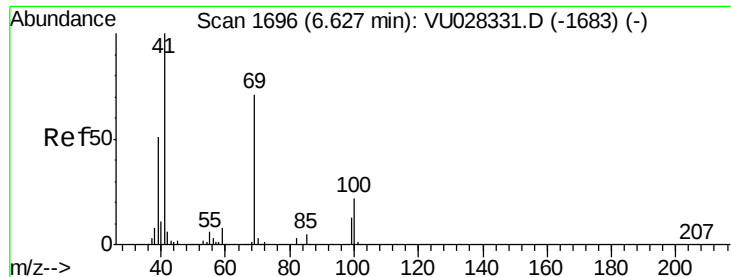
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#46
t-1,4-Dichloro-2-butene
Concen: 19.891 ug/l m
RT: 10.52 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Tgt Ion	Ratio	Lower	Upper
75	100		
53	89.6	65.0	97.6
89	52.9	38.6	58.0
88	37.4	27.3	40.9





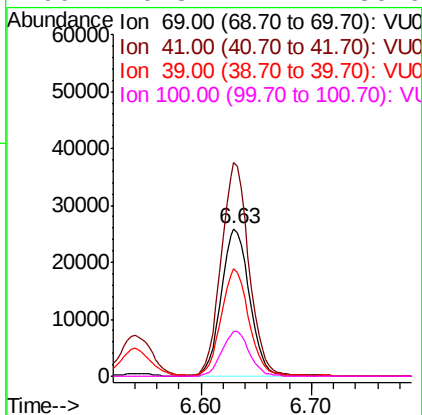
#47
Methyl methacrylate
Concen: 20.687 ug/l
RT: 6.63 min Scan# 1697
Delta R.T. 0.00 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	139.9	0.0	277.2		
39	71.3	57.6	86.4		
100	29.3	24.4	36.6		

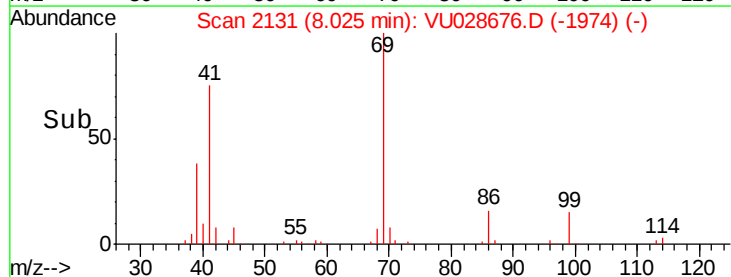
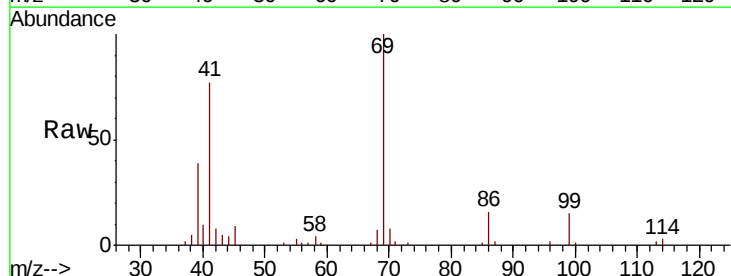
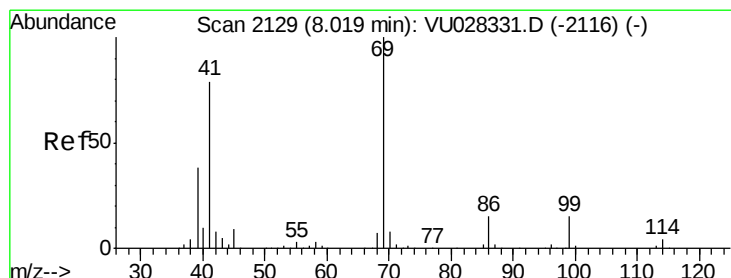
Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MS

Manual Integrations
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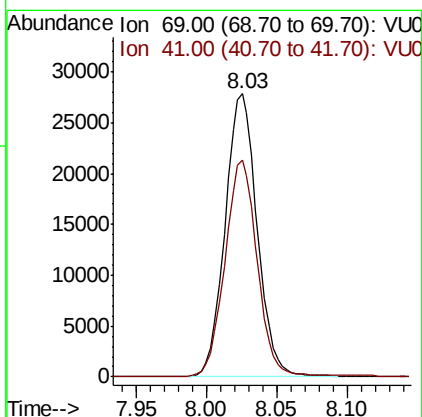


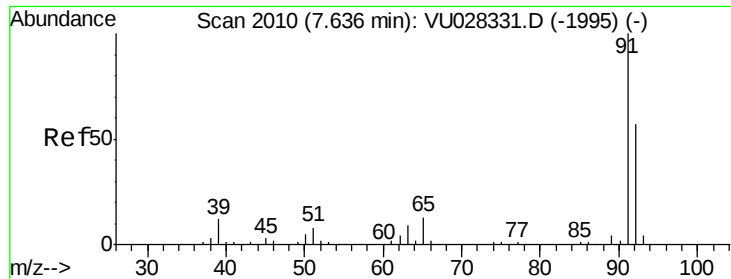
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#48
Ethyl methacrylate
Concen: 9.891 ug/l
RT: 8.03 min Scan# 2131
Delta R.T. 0.01 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	77.1	39.4	118.2		





#49

Toluene

Concen: 9.976 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU028676.D

Acq: 13 Dec 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

P001-TW001-01MS

Tot Ion: 92 Resp: 100074

Ion Ratio Lower Upper

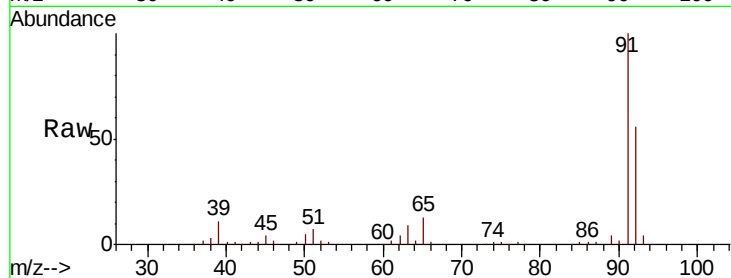
92 100

91 178.1 141.5 212.3

Manual Integrations

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Abundance Ion 92.00 (91.70 to 92.70): VU028331.D (-1995) (-)

Ion 91.00 (90.70 to 91.70): VU028331.D (-1995) (-)

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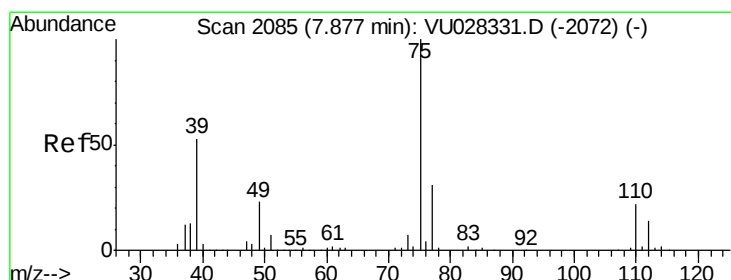
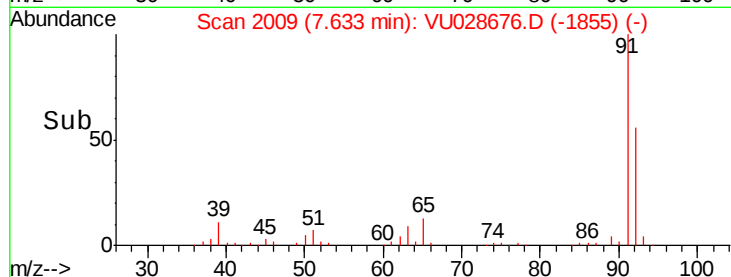
7.63

7.63

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7.63

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#50

t-1,3-Dichloropropene

Concen: 9.707 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028676.D

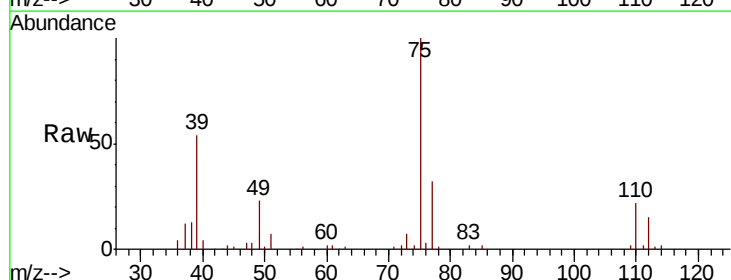
Acq: 13 Dec 2018 14:09

Tgt Ion: 75 Resp: 53986

Ion Ratio Lower Upper

75 100

77 31.7 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VU028331.D (-2072) (-)

Ion 77.00 (76.70 to 77.70): VU028331.D (-2072) (-)

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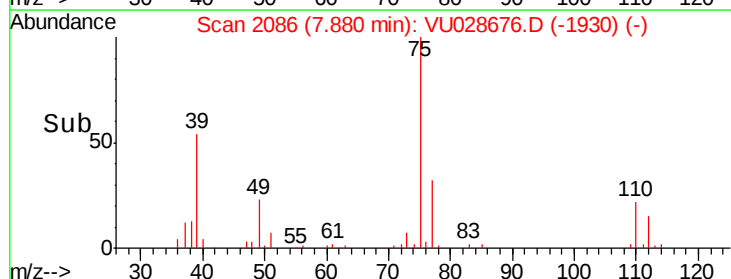
7.88

7.88

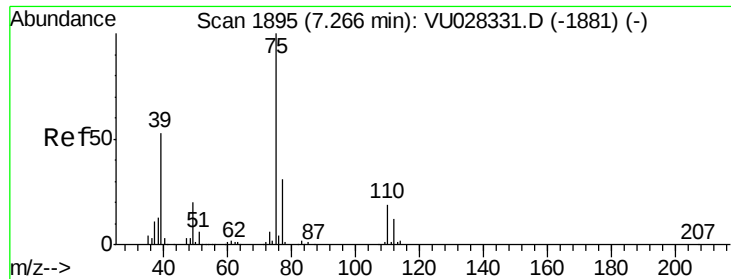
7.88

7.88

7.88



Time-->



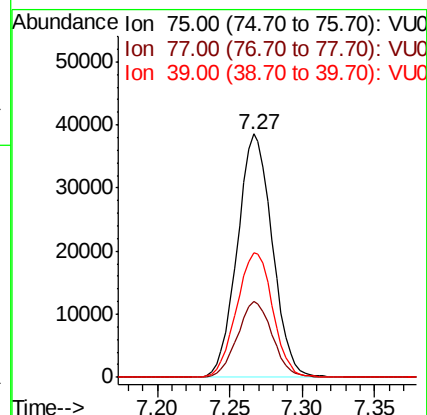
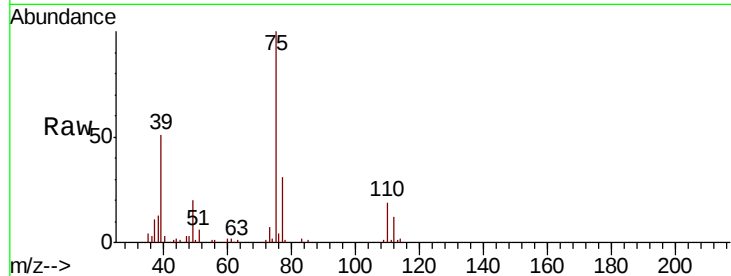
#51
 cis-1,3-Dichloropropene
 Concen: 9.411 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. -0.00 min
 Lab File: VU028676.D
 Acq: 13 Dec 2018 14:09

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-TW001-01MS

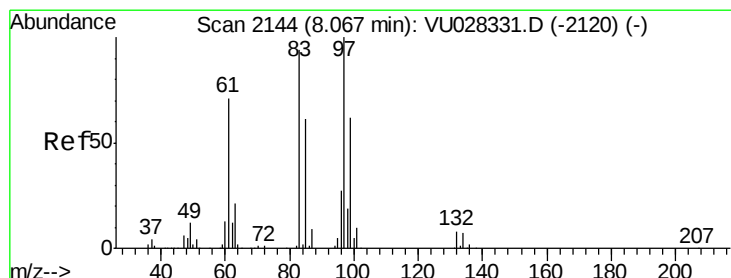
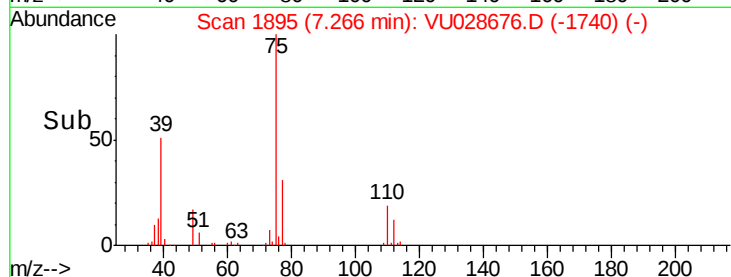
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.4	36.6
39	50.9	42.8	64.2

Manual Integrations
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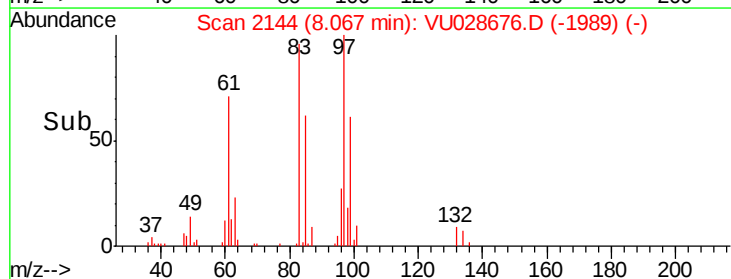
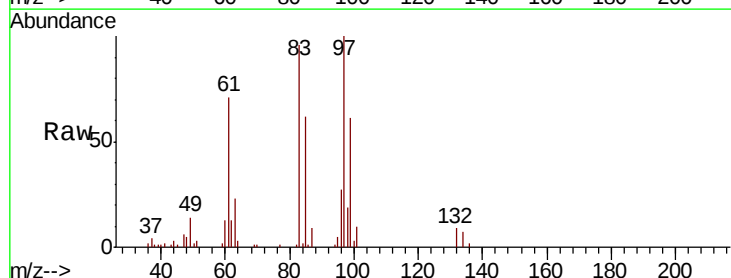
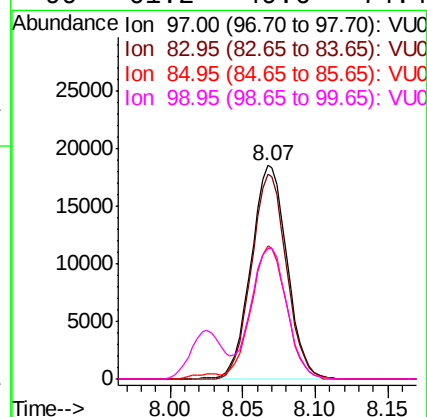


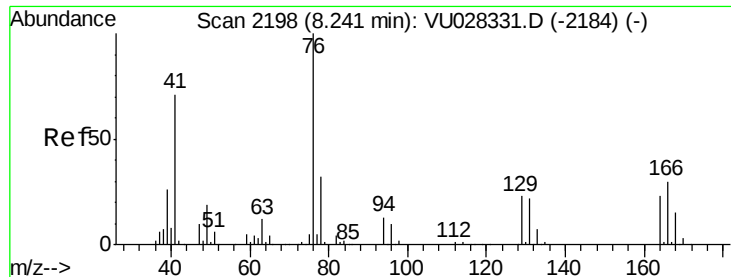
12/14/2018 9:32:27 AM



#52
 1,1,2-Trichloroethane
 Concen: 10.407 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU028676.D
 Acq: 13 Dec 2018 14:09

Tgt Ion	Ratio	Lower	Upper
97	100		
83	95.9	75.1	112.7
85	62.4	48.7	73.1
99	61.2	49.6	74.4





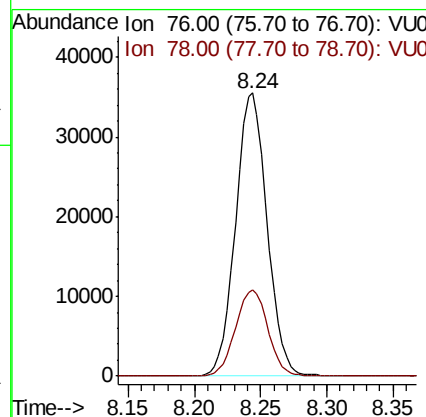
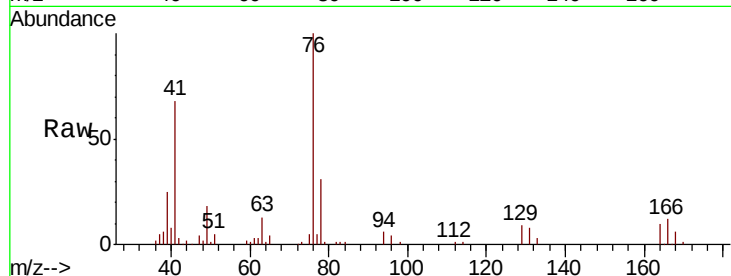
#53
 1,3-Dichloropropane
 Concen: 10.194 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU028676.D
 Acq: 13 Dec 2018 14:09

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-TW001-01MS

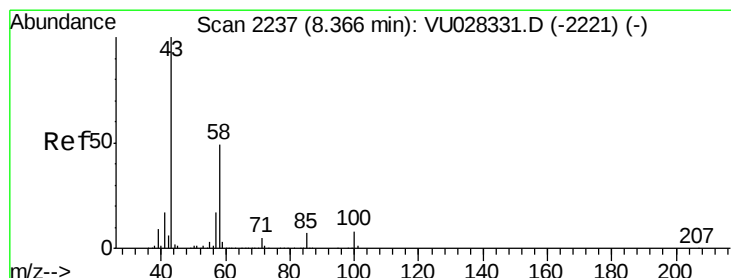
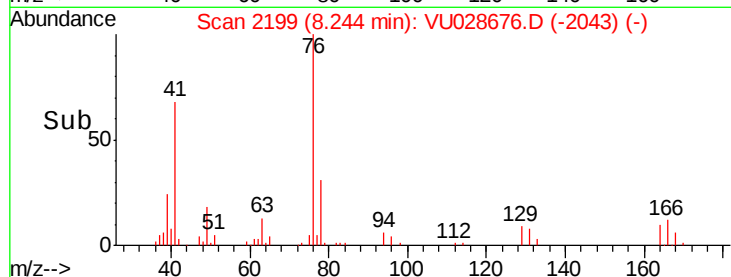
Tot Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.4	38.0

Manual Integrations
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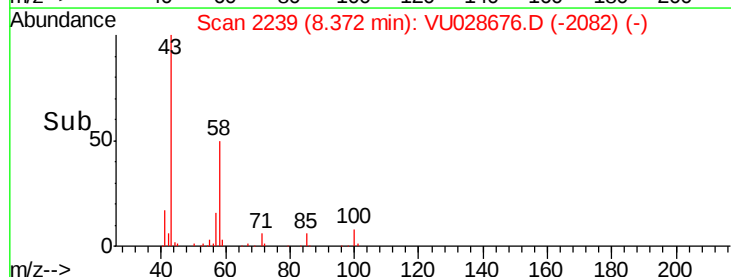
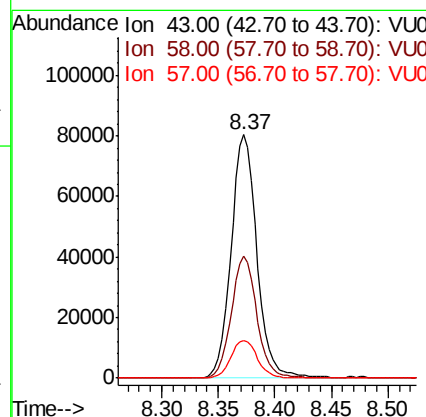
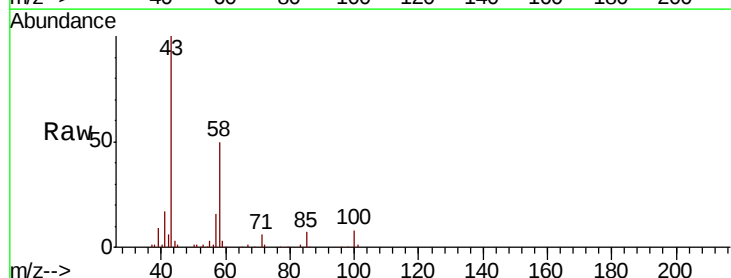


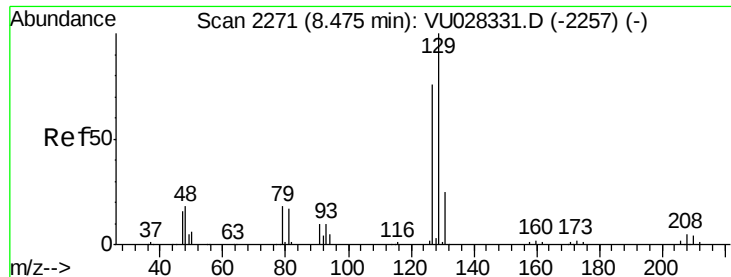
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#54
 2-Hexanone
 Concen: 50.024 ug/l
 RT: 8.37 min Scan# 2239
 Delta R.T. 0.01 min
 Lab File: VU028676.D
 Acq: 13 Dec 2018 14:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	50.0	29.3	69.3
57	16.3	0.0	36.8





#55

Dibromochloromethane

Concen: 10.234 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VU028676.D

Acq: 13 Dec 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

P001-TW001-01MS

Tot Ion:129 Resp: 33514

Ion Ratio Lower Upper

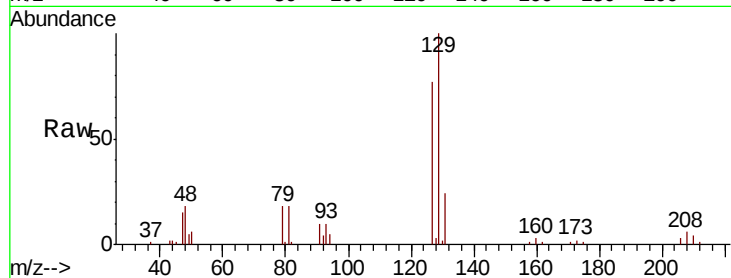
129 100

127 76.5 61.0 91.4

Manual Integrations

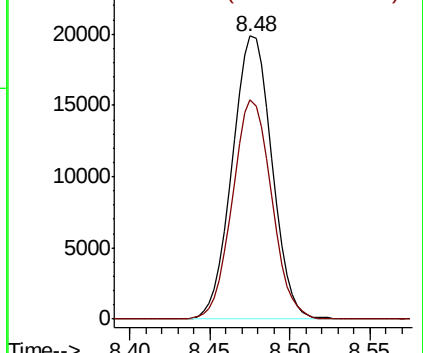
APPROVED

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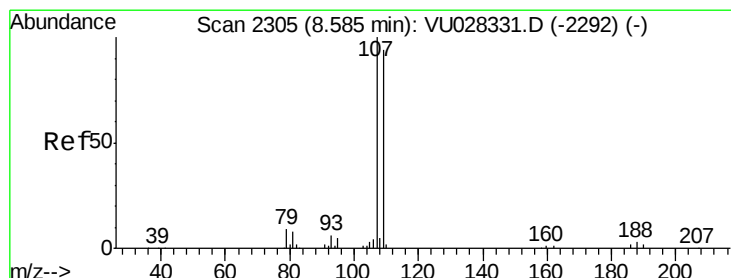
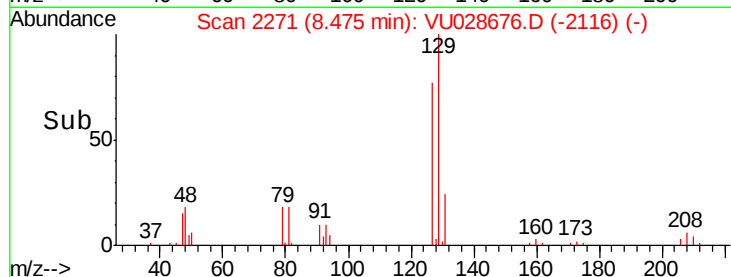


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



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#56

1,2-Dibromoethane

Concen: 10.324 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU028676.D

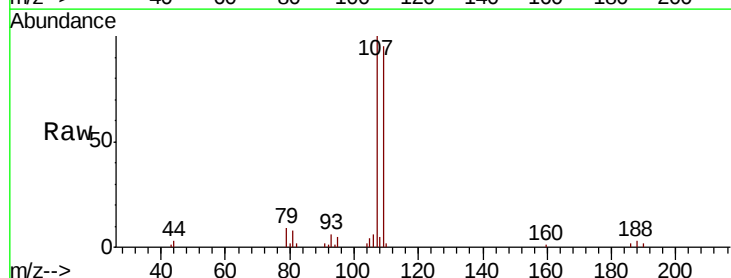
Acq: 13 Dec 2018 14:09

Tgt Ion:107 Resp: 28953

Ion Ratio Lower Upper

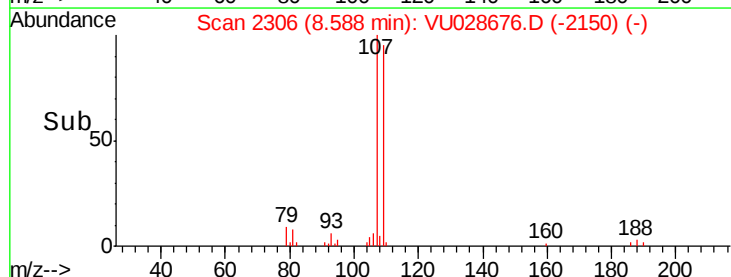
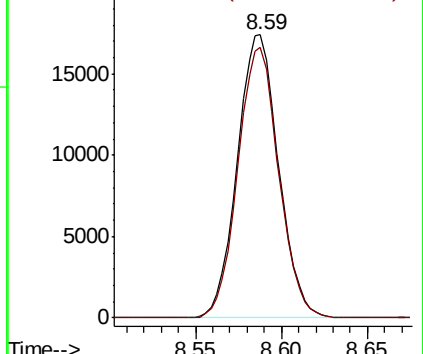
107 100

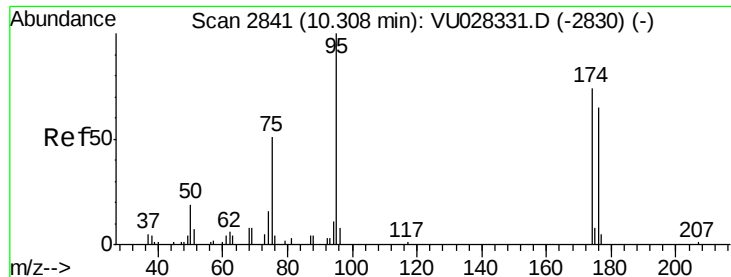
109 94.5 0.0 187.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 10.324 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028676.D

Acq: 13 Dec 2018 14:09

Instrument :

MSVOA_U

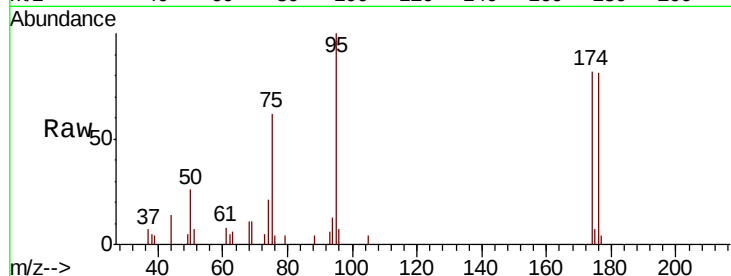
ClientSampleId :

P001-TW001-01MS

Tot Ion:	95	Resp:	5022
Ion Ratio	Lower	Upper	
95	100		
174	85.2	59.3	88.9
176	77.3	54.3	81.5

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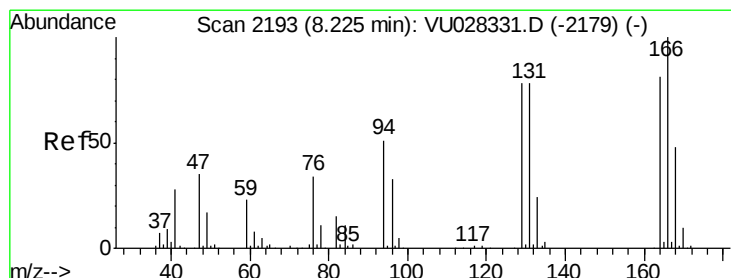
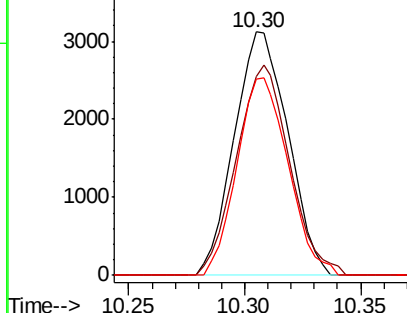
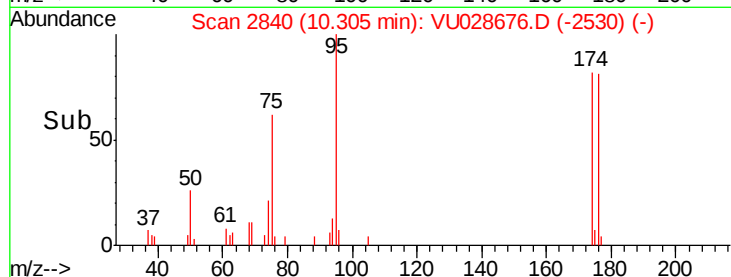
Abundance

Ion 95.00 (94.70 to 95.70): VU028331.D (-2830) (-)

Ion 174.00 (173.70 to 174.70): VU028331.D (-2830) (-)

Ion 176.00 (175.70 to 176.70): VU028331.D (-2830) (-)

12/14/2018 9:32:27 AM



#58

Tetrachloroethene

Concen: 9.382 ug/l

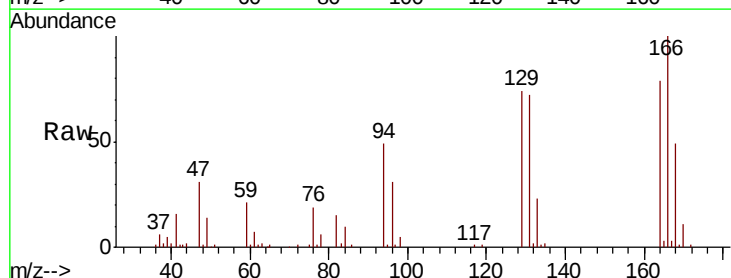
RT: 8.22 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU028676.D

Acq: 13 Dec 2018 14:09

Tgt Ion:	164	Resp:	33797
Ion Ratio	Lower	Upper	
164	100		
166	126.6	98.6	148.0
129	93.3	77.0	115.4
131	91.5	77.0	115.4



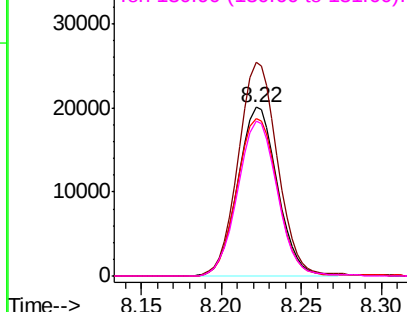
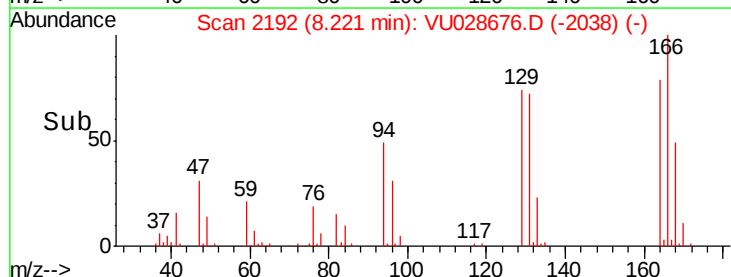
Abundance

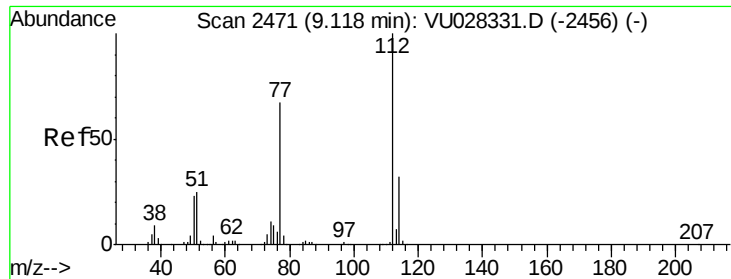
Ion 163.85 (163.55 to 164.55): VU028331.D (-2179) (-)

Ion 165.80 (165.50 to 166.50): VU028331.D (-2179) (-)

Ion 128.90 (128.60 to 129.60): VU028331.D (-2179) (-)

Ion 130.90 (130.60 to 131.60): VU028331.D (-2179) (-)





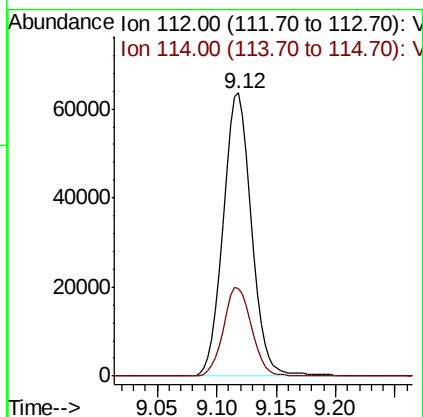
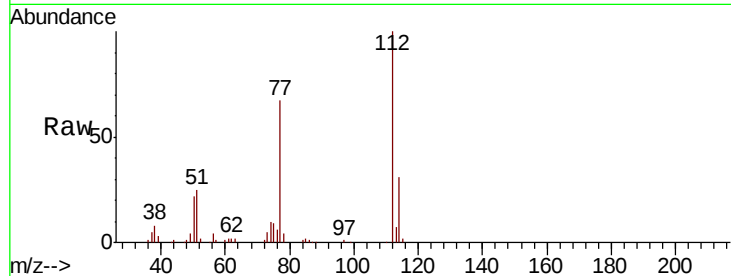
#59
Chlorobenzene
Concen: 10.055 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MS

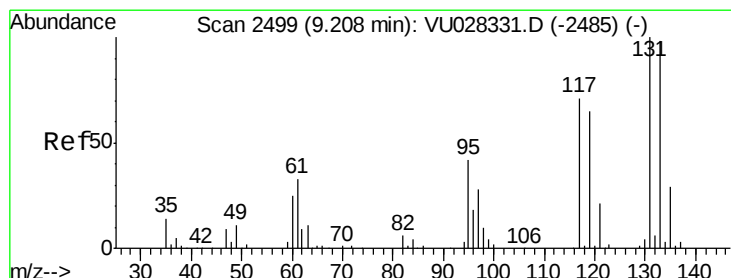
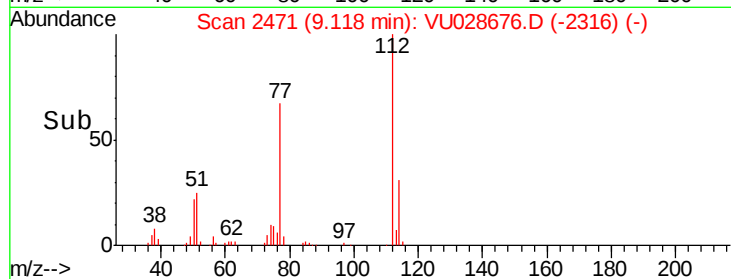
Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.2	37.8

Manual Integrations
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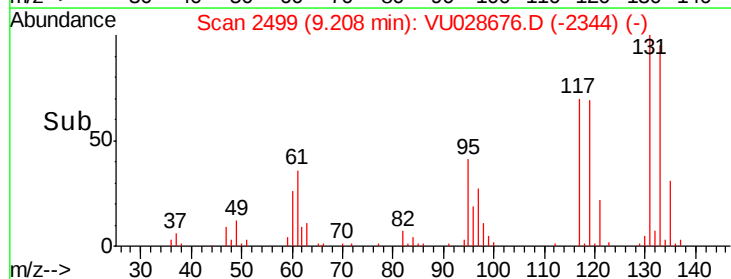
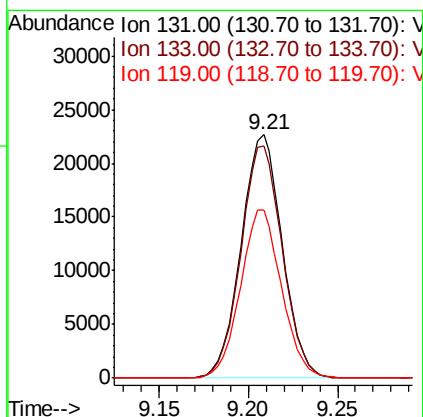
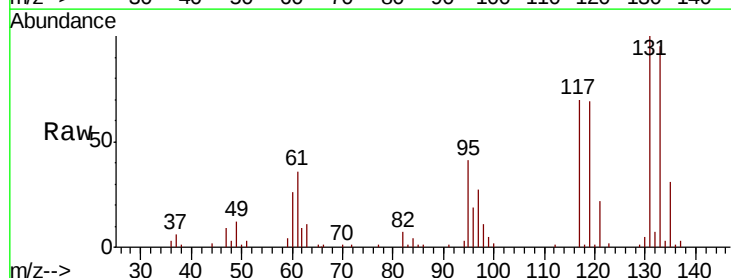


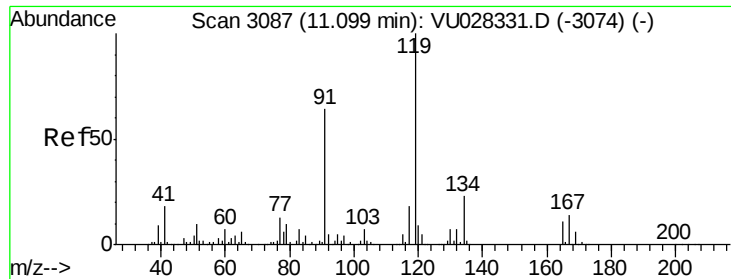
12/14/2018 9:32:27 AM



#60
1,1,1,2-Tetrachloroethane
Concen: 10.329 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	77.7	116.5
119	68.8	54.3	81.5





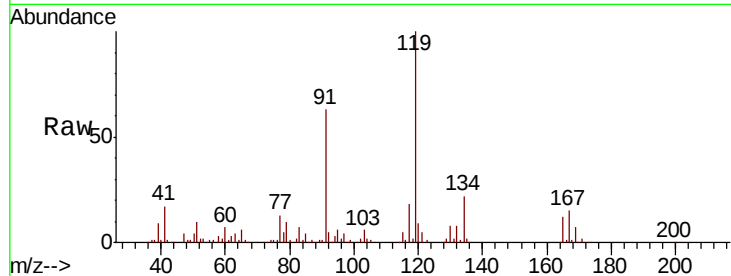
#61
 Pentachloroethane
 Concen: 11.299 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028676.D
 Acq: 13 Dec 2018 14:09

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-TW001-01MS

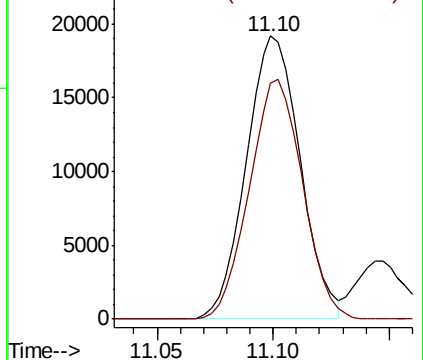
Tot Ion	Ratio	Lower	Upper
117	100		
167	83.4	64.2	96.2

Manual Integrations
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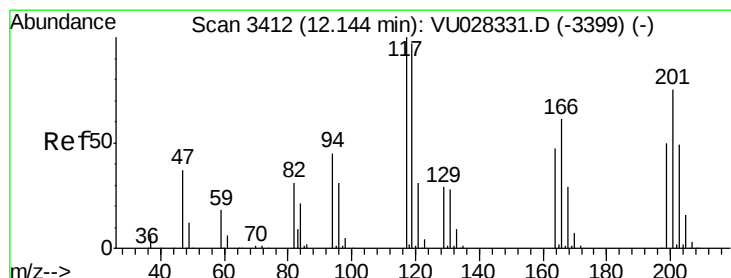
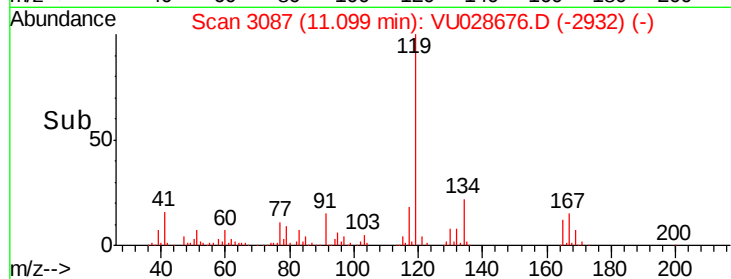
MMDadoda



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 166.70 (166.40 to 167.40): V

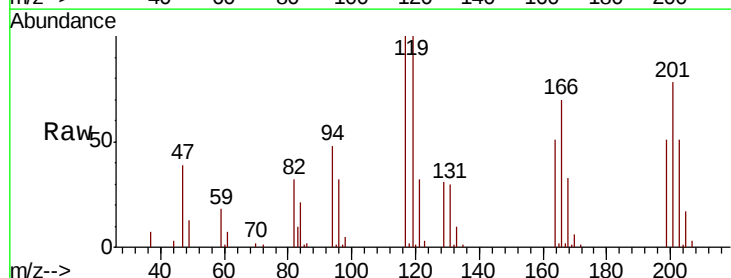


12/14/2018 9:32:27 AM

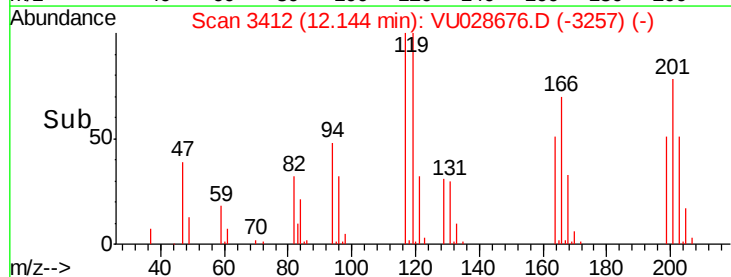
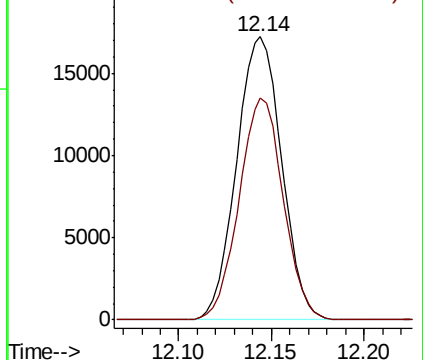


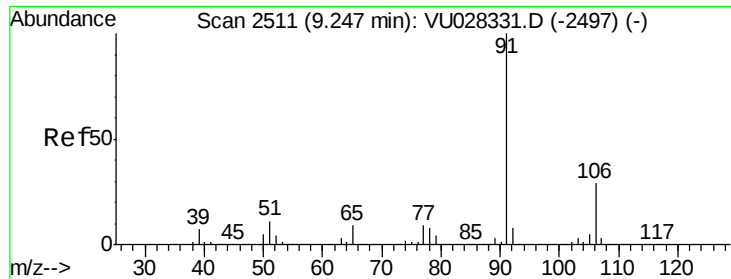
#62
 Hexachloroethane
 Concen: 11.252 ug/l
 RT: 12.14 min Scan# 3412
 Delta R.T. -0.00 min
 Lab File: VU028676.D
 Acq: 13 Dec 2018 14:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.6	59.4	89.2



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 200.60 (200.30 to 201.30): V





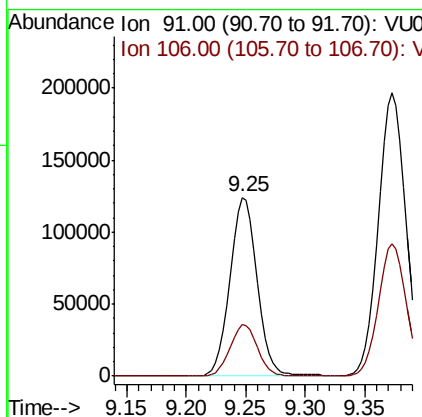
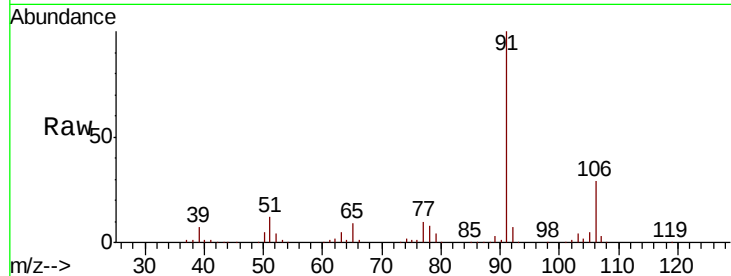
#63
Ethyl Benzene
Concen: 10.234 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MS

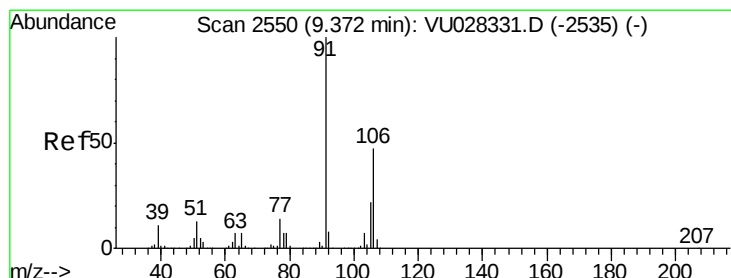
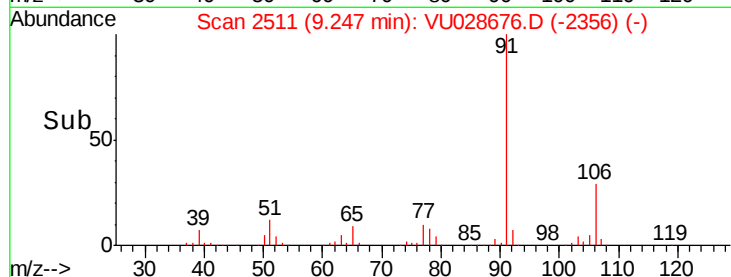
Tot Ion: 91 Resp: 197120
Ion Ratio Lower Upper
91 100
106 28.7 23.4 35.2

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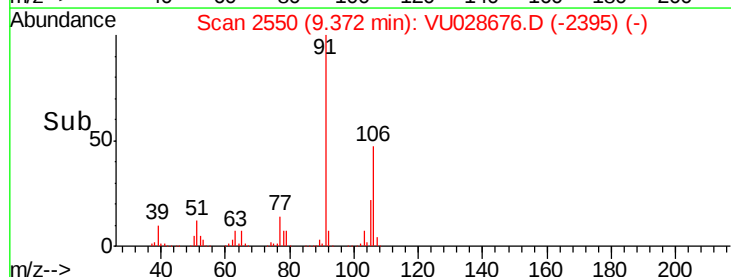
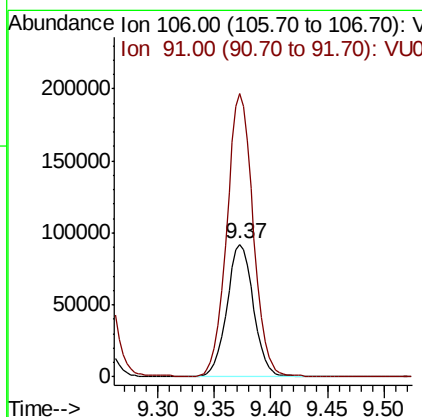
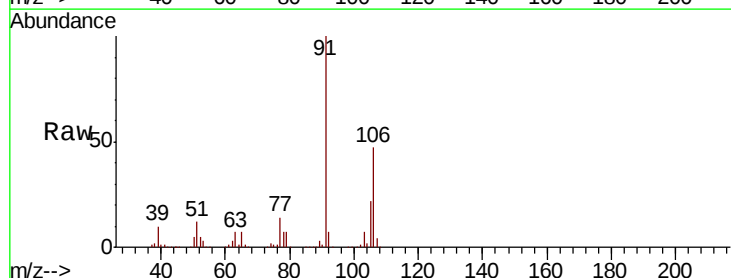


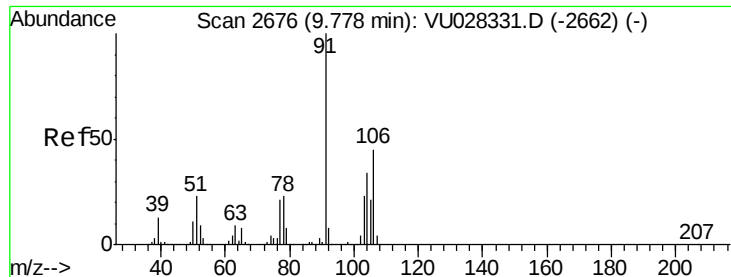
12/14/2018 9:32:27 AM



#64
m/p-Xylenes
Concen: 21.599 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Tgt Ion: 106 Resp: 150558
Ion Ratio Lower Upper
106 100
91 210.5 170.6 256.0





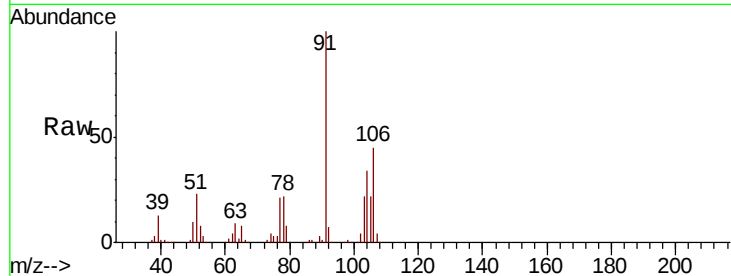
#65
o-Xylene
Concen: 10.562 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MS

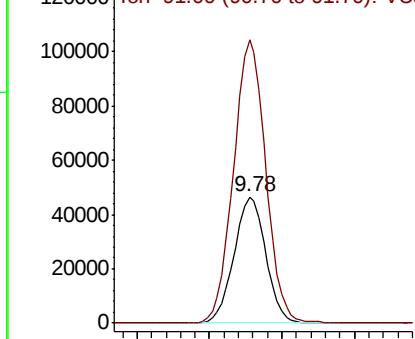
Tot Ion:106 Resp: 71049
Ion Ratio Lower Upper
106 100
91 226.6 112.3 337.0

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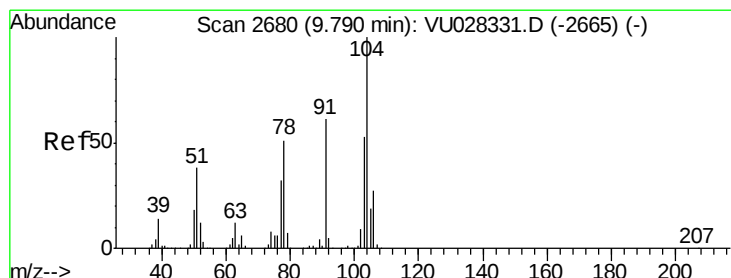
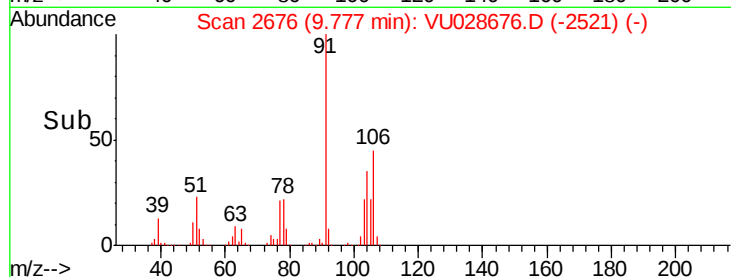
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

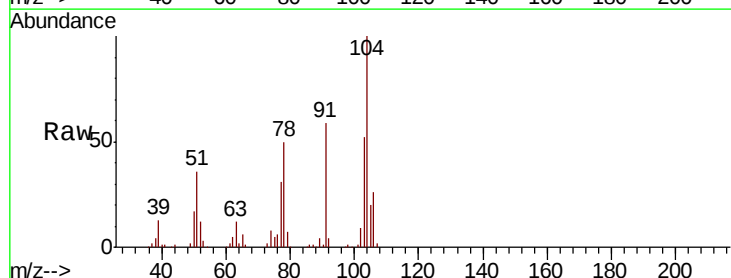


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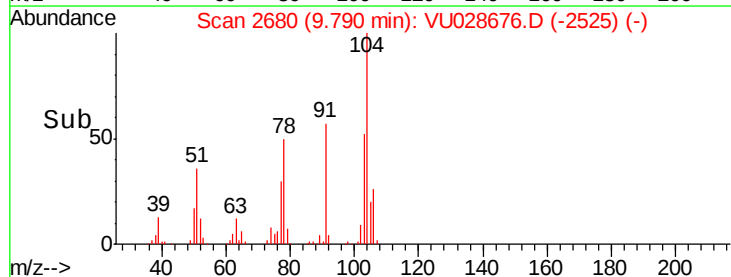
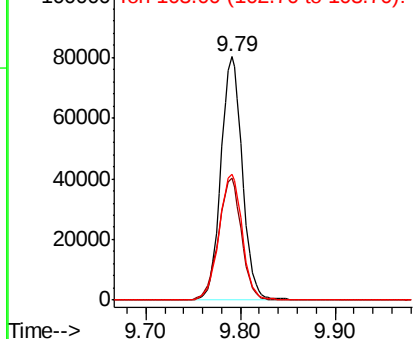


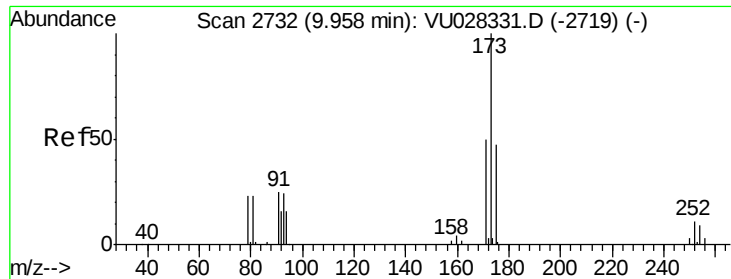
#66
Styrene
Concen: 10.961 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Tgt Ion:104 Resp: 126466
Ion Ratio Lower Upper
104 100
78 53.7 44.0 66.0
103 55.6 45.2 67.8



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





#67

Bromoform

Concen: 10.577 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028676.D

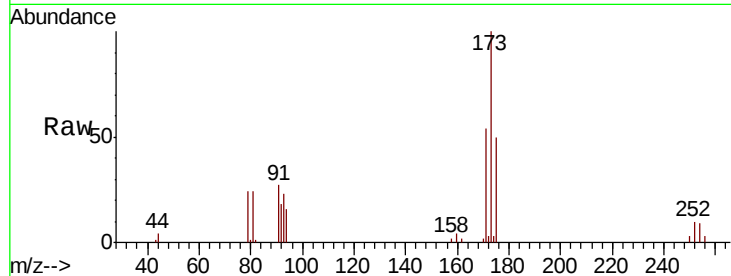
Acq: 13 Dec 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MS

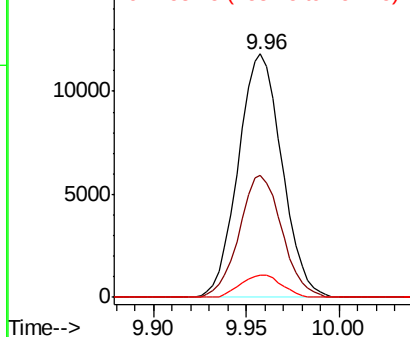
Tot Ion:	173	Resp:	19412
Ion Ratio	Lower	Upper	
173	100		
175	48.9	39.0	58.6
254	8.6	6.8	10.2

Manual Integrations
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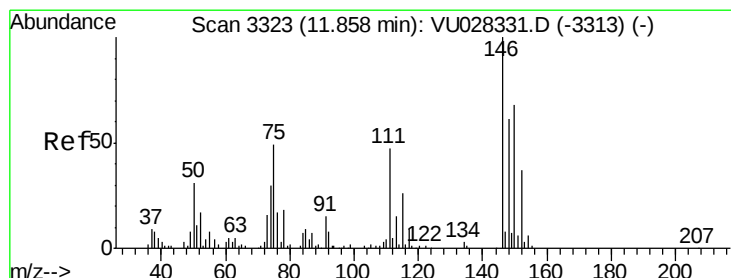
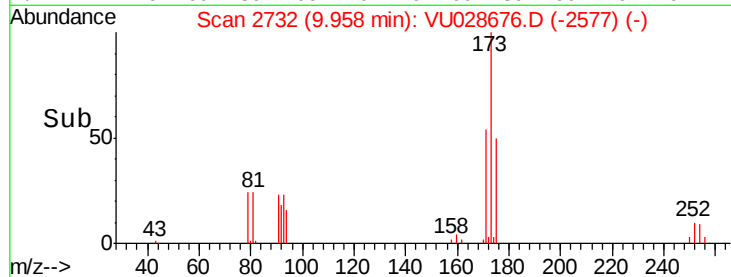
MMDadoda



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



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#68

1,2-Dichlorobenzene-d4

Concen: 10.577 ug/l

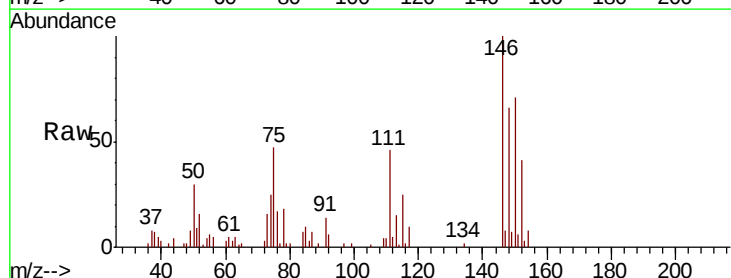
RT: 11.86 min Scan# 3323

Delta R.T. -0.00 min

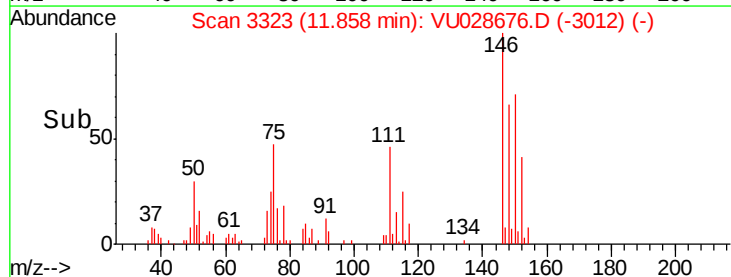
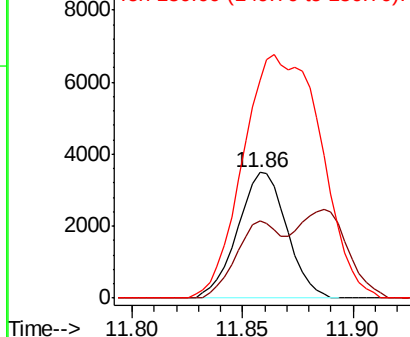
Lab File: VU028676.D

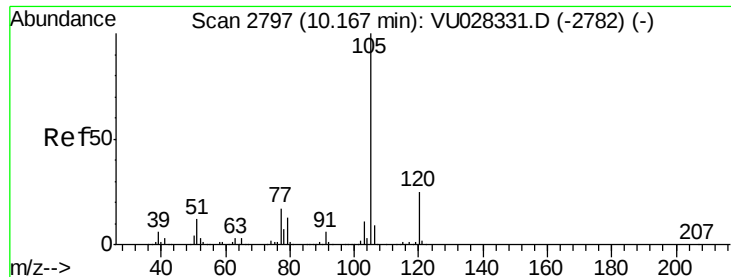
Acq: 13 Dec 2018 14:09

Tgt Ion:	152	Resp:	5416
Ion Ratio	Lower	Upper	
152	100		
115	59.1	0.0	146.8
150	305.8	0.0	653.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 10.362 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028676.D

Acq: 13 Dec 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

P001-TW001-01MS

Tot Ion:105 Resp: 186638

Ion Ratio Lower Upper

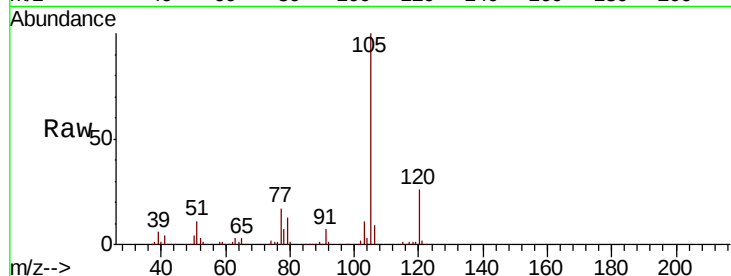
105 100

120 25.8 12.6 37.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

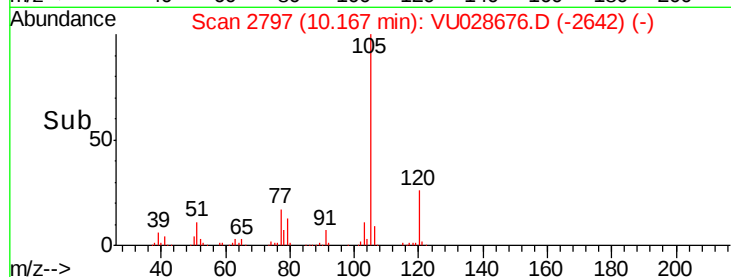
10.17

100000

50000

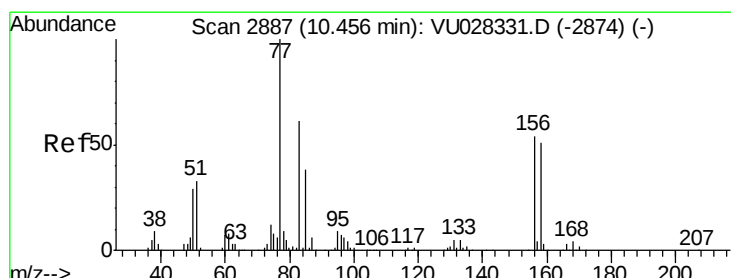
0

Time-->



Time-->

12/14/2018 9:32:27 AM



#70

1,1,2,2-Tetrachloroethane

Concen: 10.843 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028676.D

Acq: 13 Dec 2018 14:09

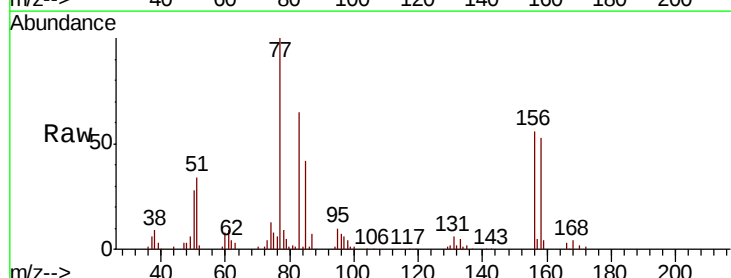
Tgt Ion: 83 Resp: 44778

Ion Ratio Lower Upper

83 100

131 8.8 6.6 9.8

85 65.4 50.5 75.7



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

10.46

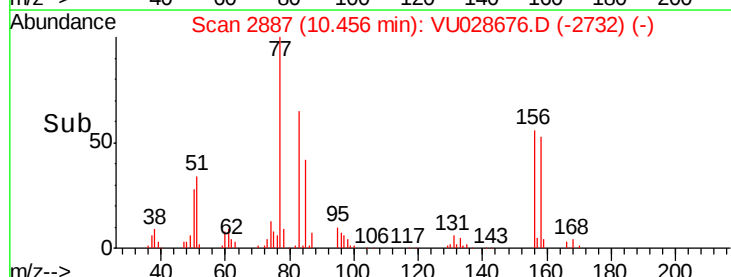
30000

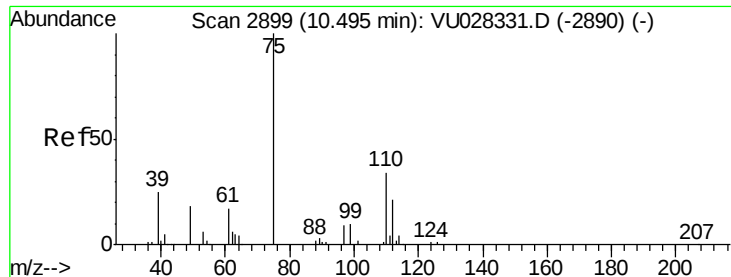
20000

10000

0

Time-->





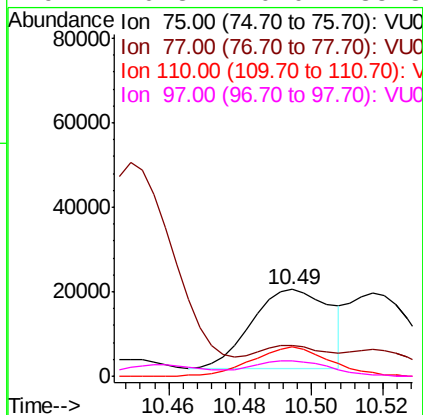
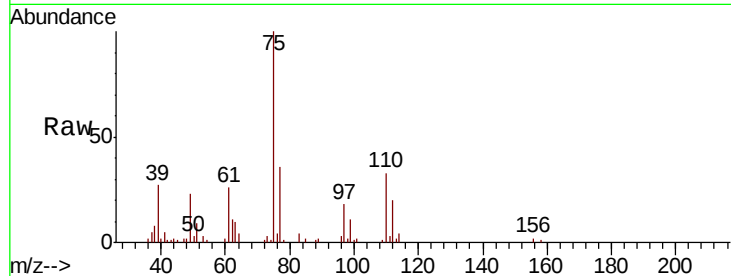
#71
1,2,3-Trichloropropane
Concen: 9.958 ug/l
RT: 10.49 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MS

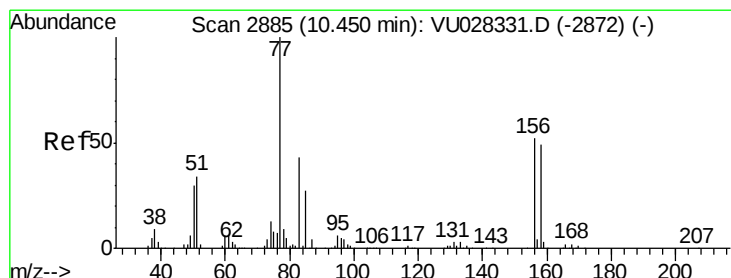
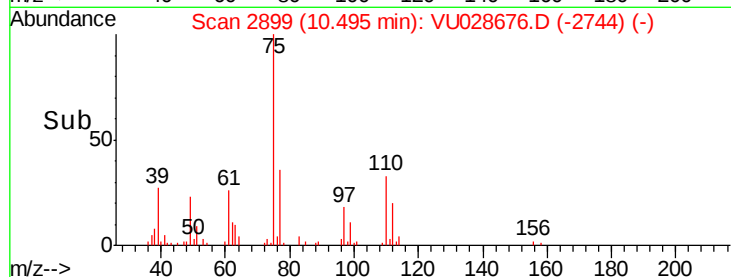
Tot Ion	Ratio	Lower	Upper
75	100		
77	10.3	0.0	0.0#
110	36.8	0.0	67.6
97	20.3	0.0	35.8

Manual Integrations
APPROVED

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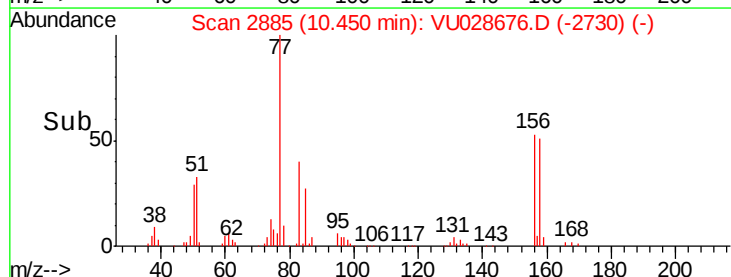
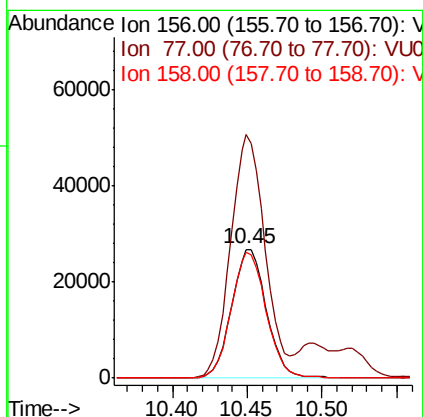
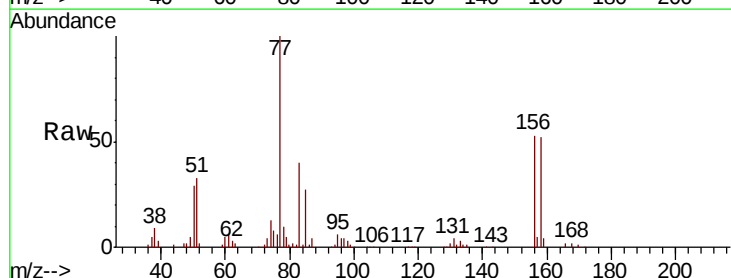


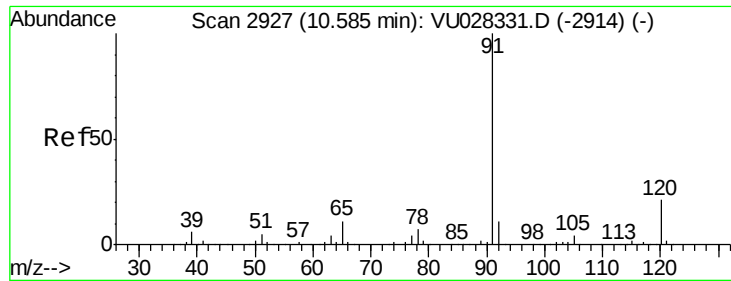
12/14/2018 9:32:27 AM



#72
Bromobenzene
Concen: 10.855 ug/l
RT: 10.45 min Scan# 2885
Delta R.T. -0.00 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Tgt Ion	Ratio	Lower	Upper
156	100		
77	186.0	0.0	380.4
158	97.7	0.0	191.2





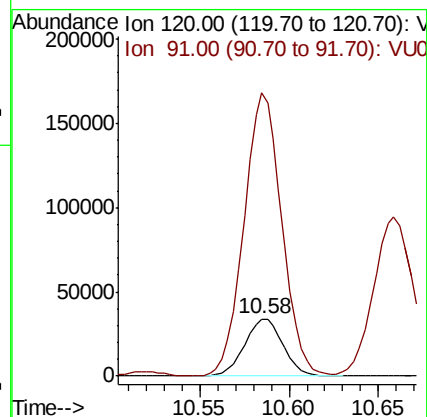
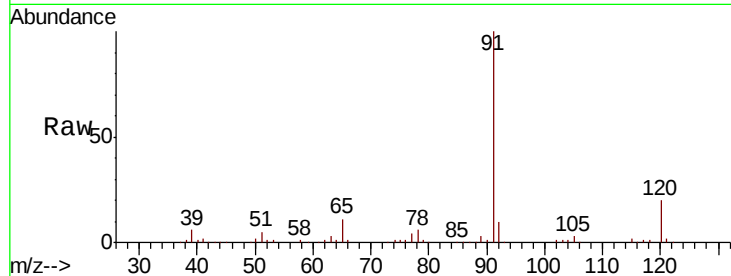
#73
n-propylbenzene
Concen: 10.951 ug/l
RT: 10.58 min Scan# 2927
Delta R.T. -0.00 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MS

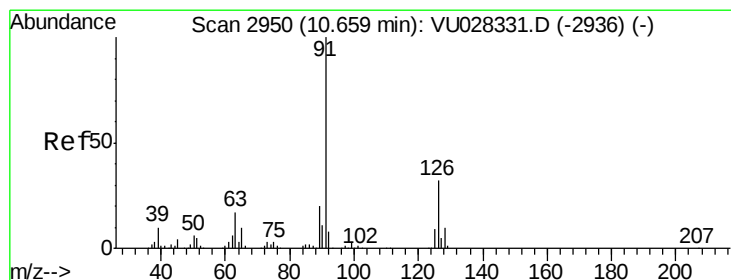
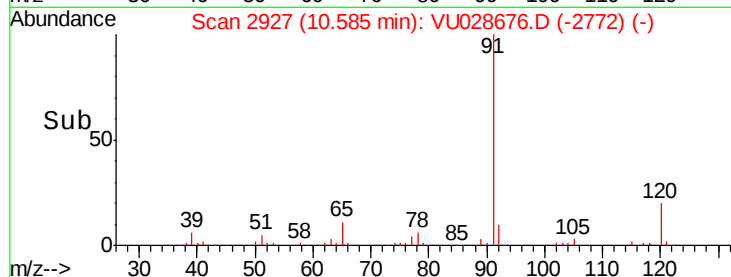
Tot Ion:120 Resp: 51157
Ion Ratio Lower Upper
120 100
91 486.2 388.1 582.1

Manual Integrations
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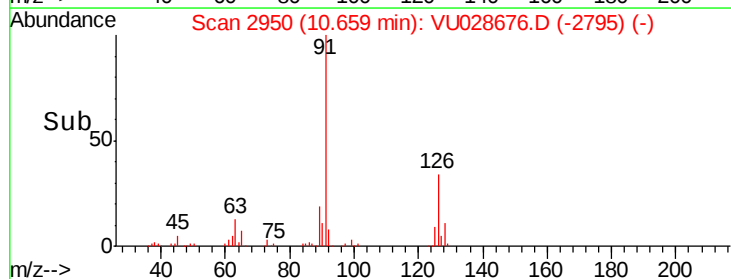
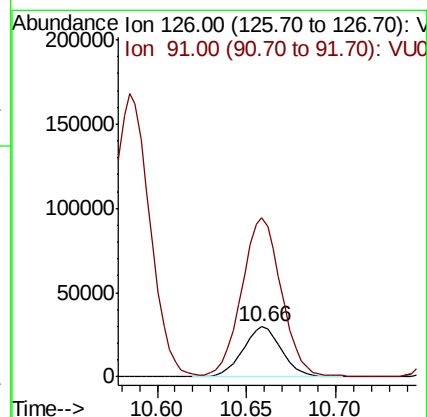
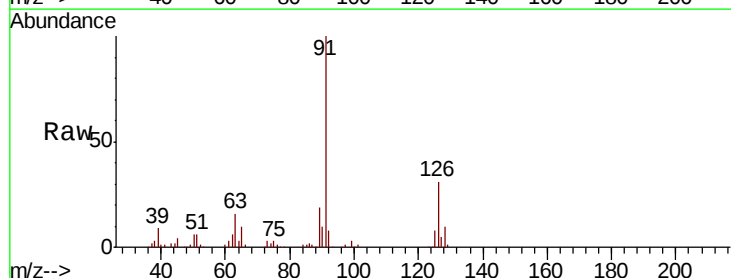


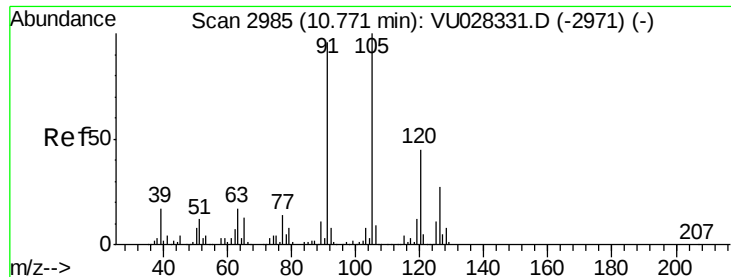
12/14/2018 9:32:27 AM



#74
2-Chlorotoluene
Concen: 11.059 ug/l
RT: 10.66 min Scan# 2950
Delta R.T. -0.00 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Tgt Ion:126 Resp: 45267
Ion Ratio Lower Upper
126 100
91 324.3 0.0 661.0





#75

1,3,5-Trimethylbenzene

Concen: 11.006 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028676.D

Acq: 13 Dec 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

P001-TW001-01MS

Tot Ion:105 Resp: 166845

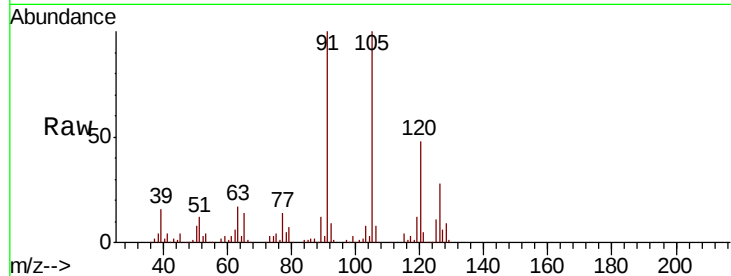
Ion Ratio Lower Upper

105 100

120 47.1 36.3 54.5

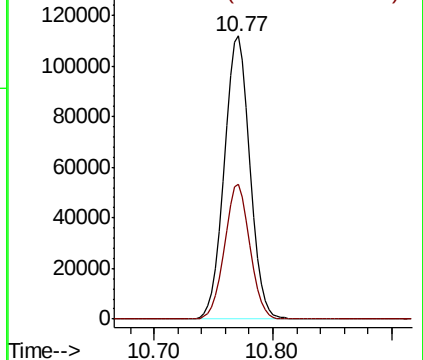
Manual Integrations
APPROVED

MMDadoda

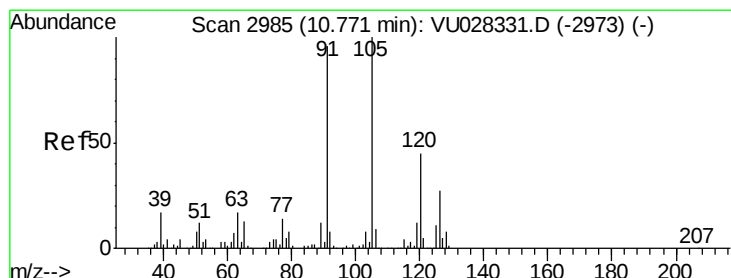
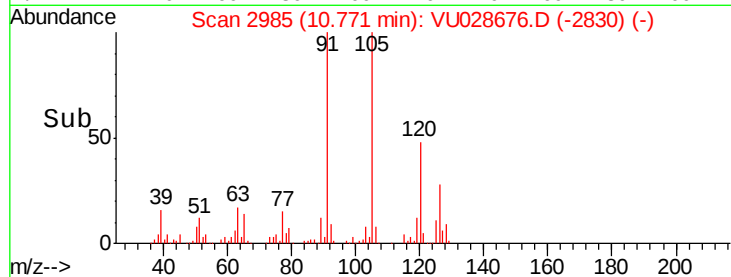


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#76

4-Chlorotoluene

Concen: 11.125 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028676.D

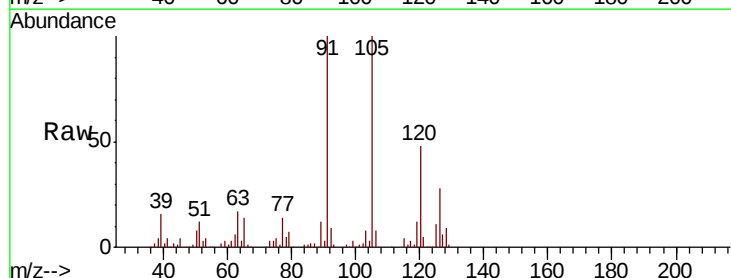
Acq: 13 Dec 2018 14:09

Tgt Ion:126 Resp: 46170

Ion Ratio Lower Upper

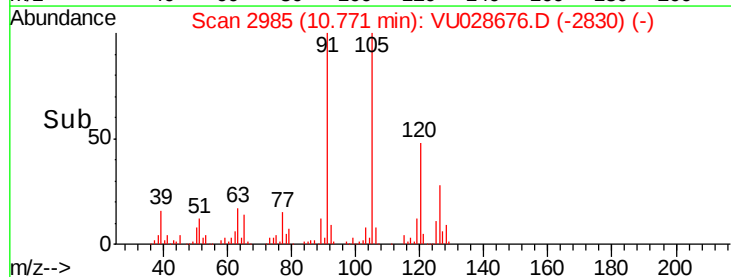
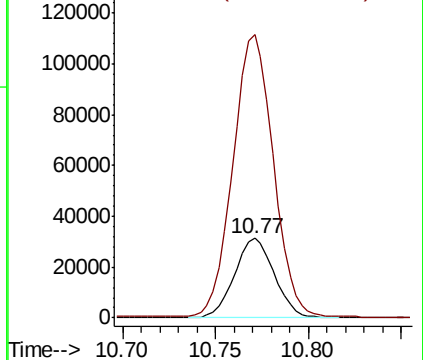
126 100

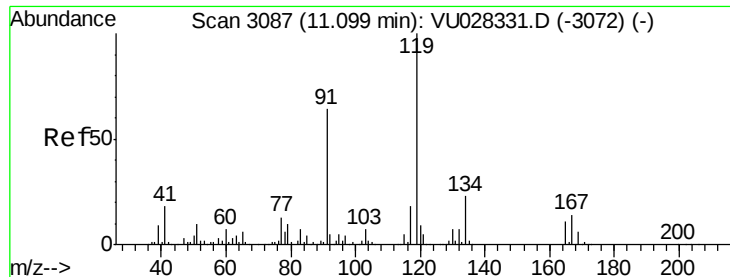
91 366.6 0.0 731.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





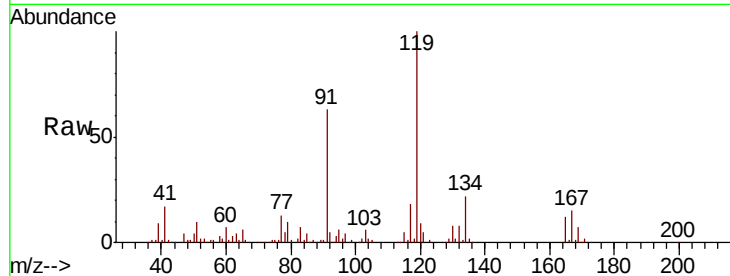
#77
tert-Butylbenzene
Concen: 11.059 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MS

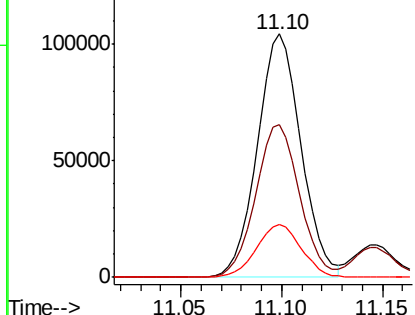
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.9	32.0	96.0
134	22.2	17.9	26.9

Manual Integrations
APPROVED

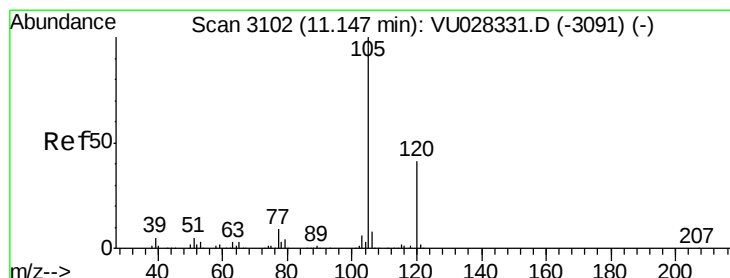
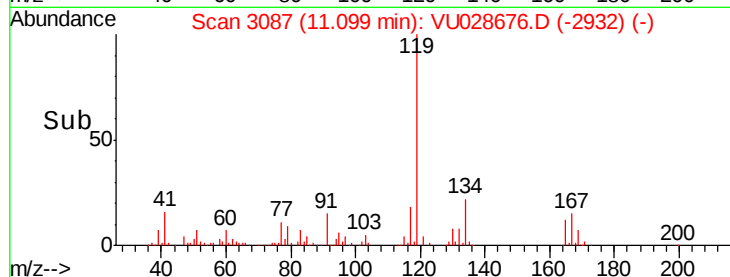
MMDadoda



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VU
Ion 134.00 (133.70 to 134.70): V

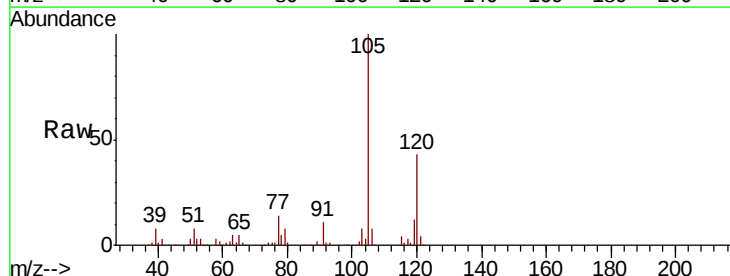


12/14/2018 9:32:27 AM

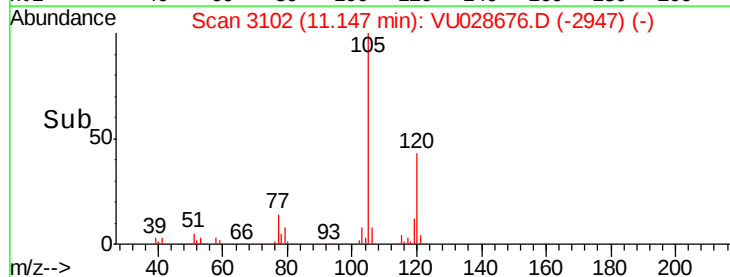
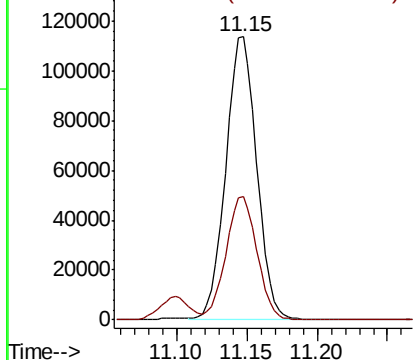


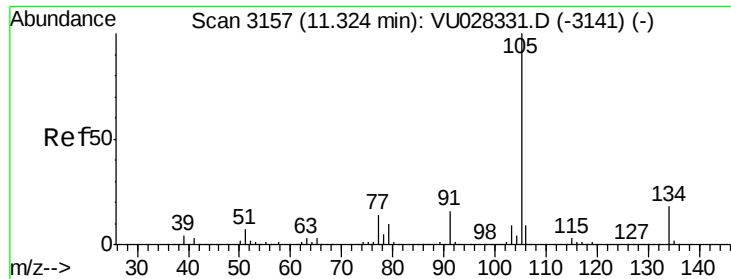
#78
1,2,4-Trimethylbenzene
Concen: 11.139 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.9	65.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 10.885 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028676.D

Acq: 13 Dec 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

P001-TW001-01MS

Tot Ion: 105 Resp: 216563

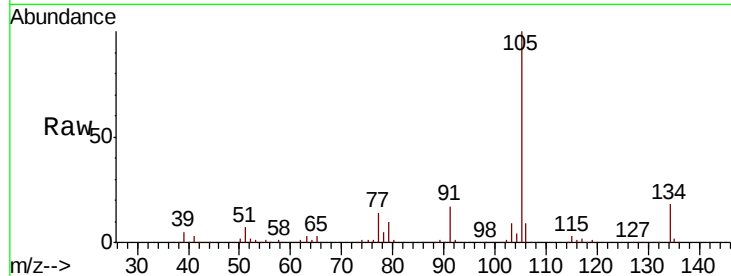
Ion Ratio Lower Upper

105 100

134 18.2 14.6 22.0

Manual Integrations
APPROVED

MMDadoda



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

150000

100000

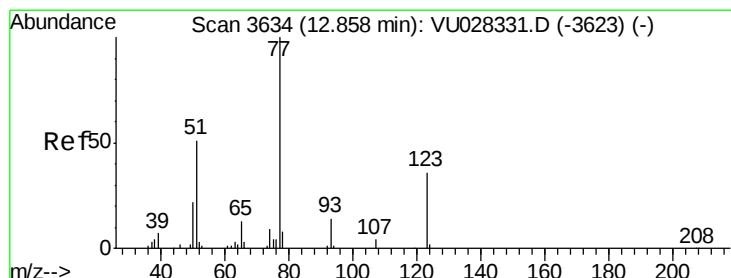
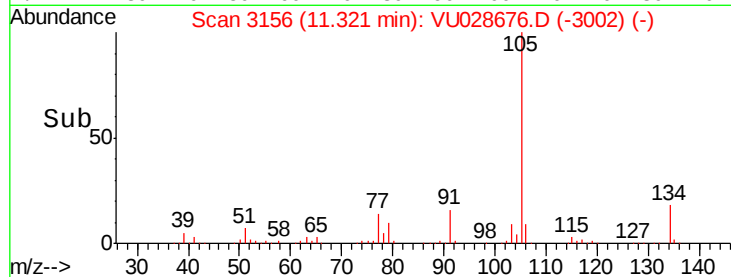
50000

0

11.30 11.40

Time-->

12/14/2018 9:32:27 AM



#80

Nitrobenzene

Concen: 56.018 ug/l

RT: 12.86 min Scan# 3635

Delta R.T. 0.00 min

Lab File: VU028676.D

Acq: 13 Dec 2018 14:09

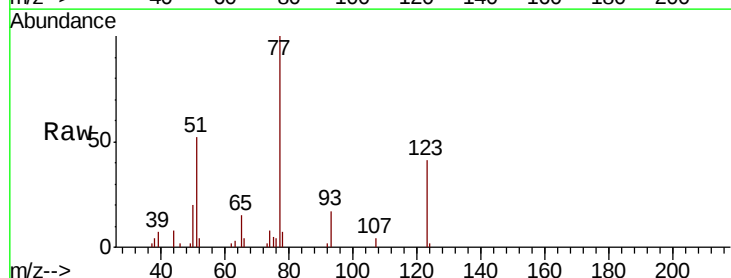
Tgt Ion: 77 Resp: 10422

Ion Ratio Lower Upper

77 100

123 41.0 16.5 58.3

65 14.1 12.1 15.3



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

8000

6000

4000

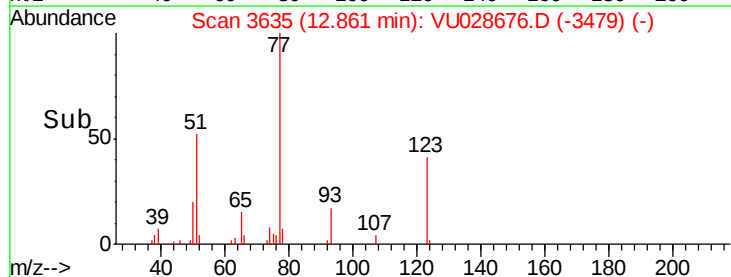
2000

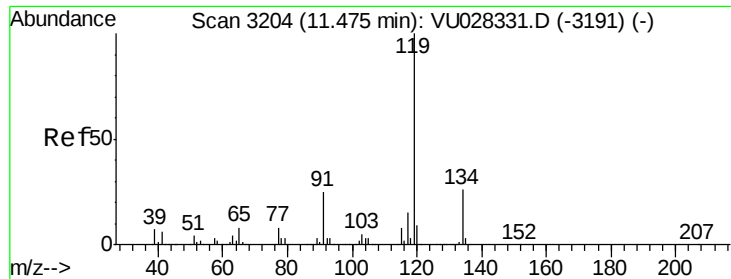
0

12.86

12.80 12.85 12.90

Time-->





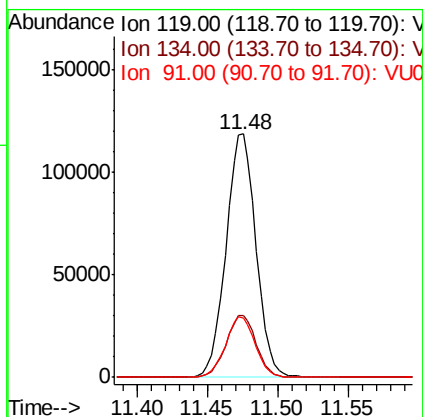
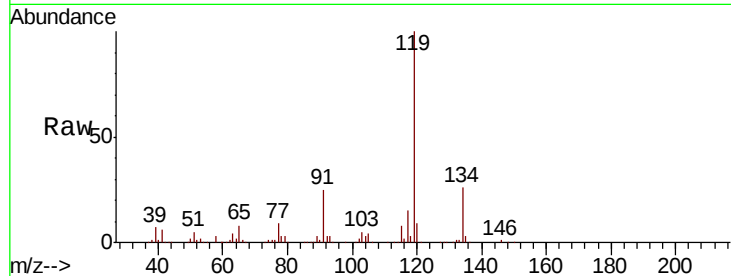
#81
p-Isopropyltoluene
Concen: 11.058 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MS

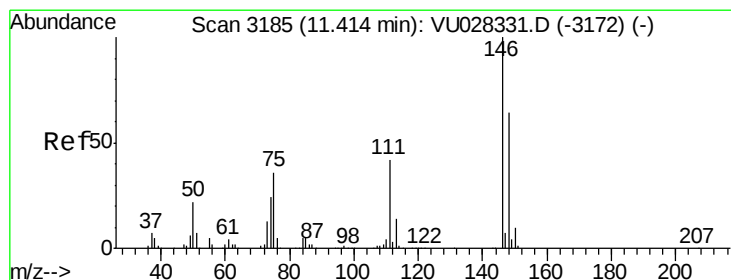
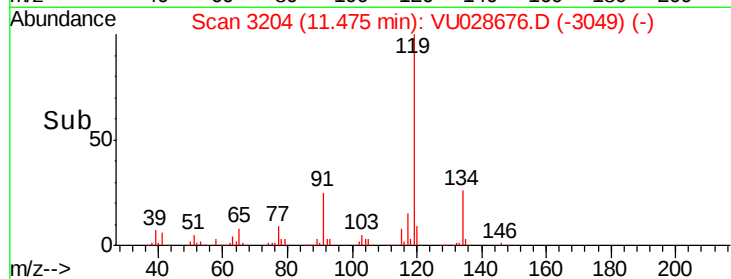
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.3	30.5
91	25.0	20.0	30.0

Manual Integrations
APPROVED

MMDadoda

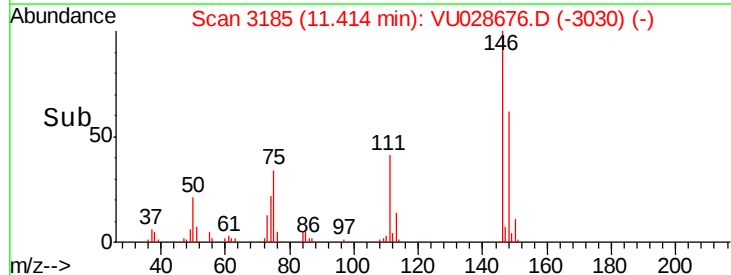
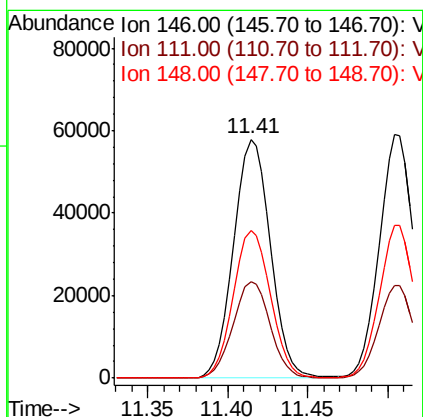
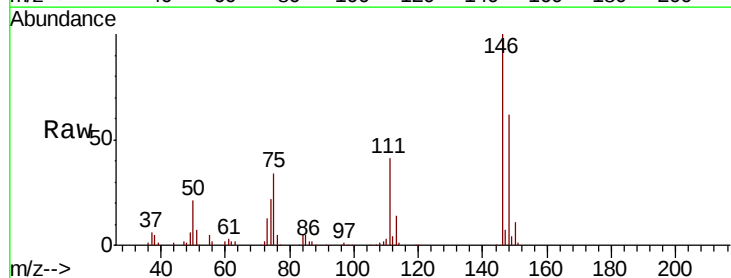


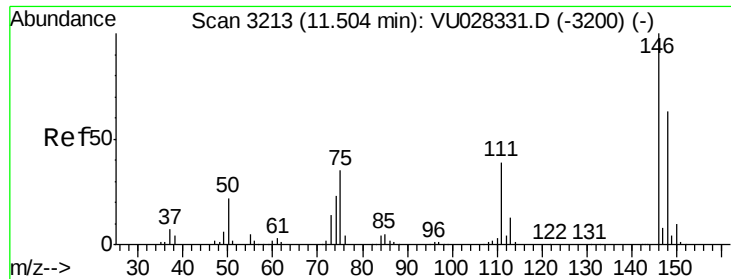
12/14/2018 9:32:27 AM



#82
1,3-Dichlorobenzene
Concen: 11.354 ug/l
RT: 11.41 min Scan# 3185
Delta R.T. -0.00 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	33.4	50.2
148	62.4	51.2	76.8





#83

1,4-Dichlorobenzene

Concen: 11.386 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU028676.D

Acq: 13 Dec 2018 14:09

Instrument :

MSVOA_U

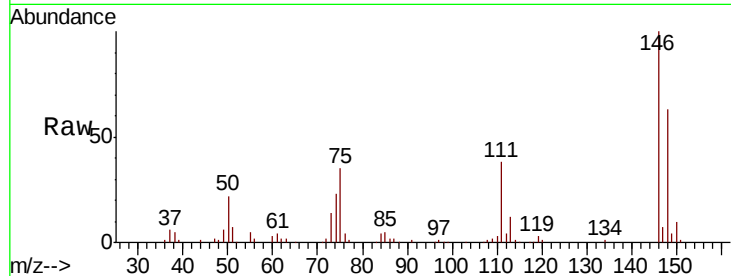
ClientSampleId :

P001-TW001-01MS

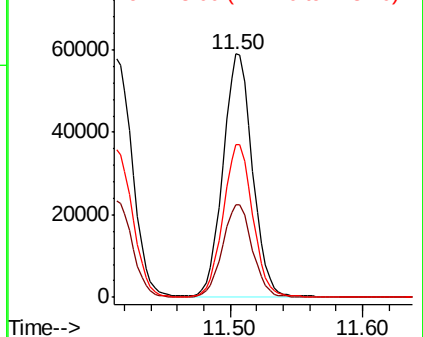
Tot Ion:	146	Resp:	90754
Ion Ratio	Lower	Upper	
146	100		
111	38.7	31.4	47.2
148	63.7	50.7	76.1

Manual Integrations
APPROVED

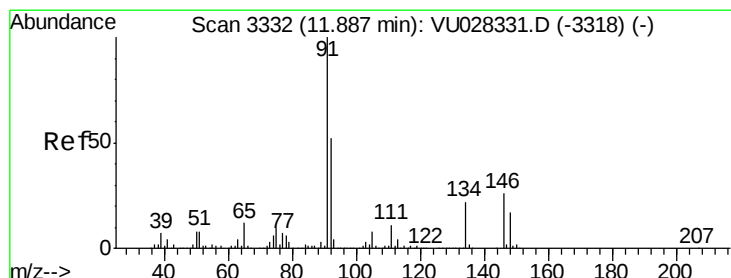
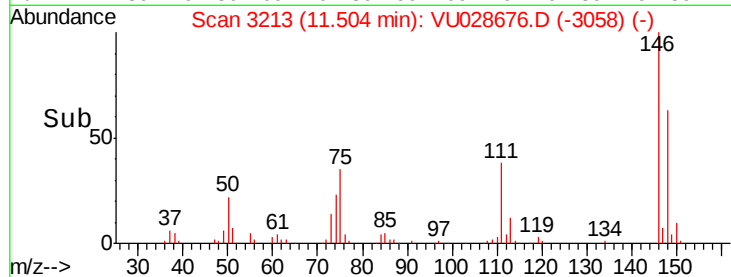
MMDadoda



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



12/14/2018 9:32:27 AM



#84

n-Butylbenzene

Concen: 11.014 ug/l

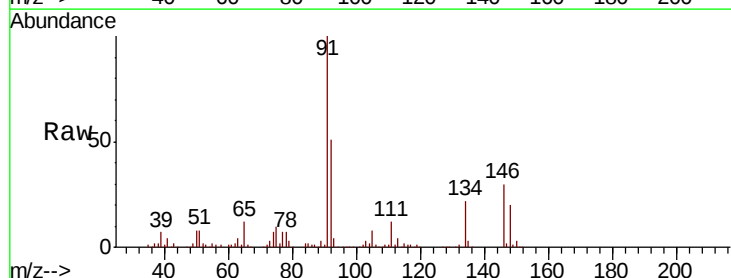
RT: 11.89 min Scan# 3332

Delta R.T. -0.00 min

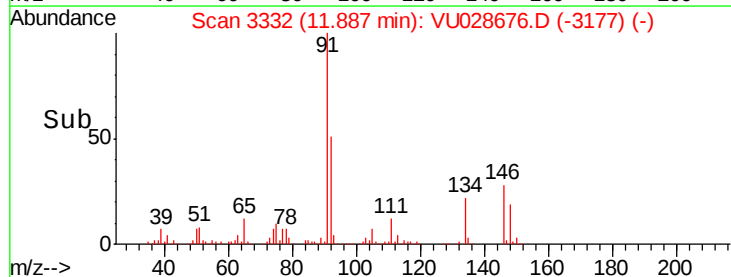
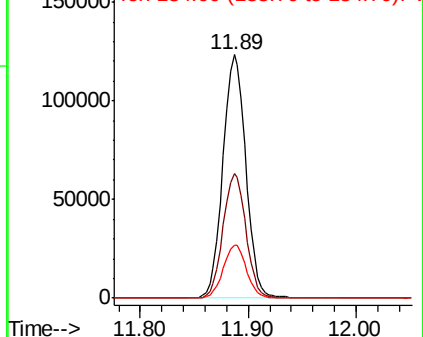
Lab File: VU028676.D

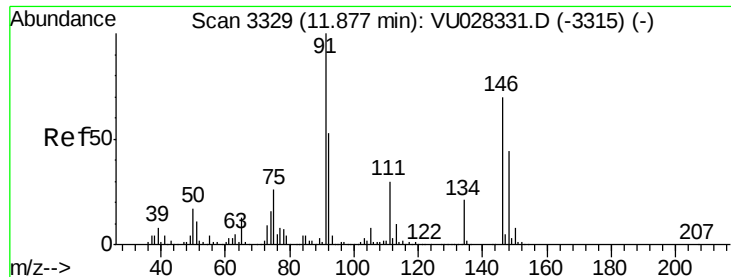
Acq: 13 Dec 2018 14:09

Tgt Ion:	91	Resp:	182821
Ion Ratio	Lower	Upper	
91	100		
92	51.1	41.6	62.4
134	21.8	17.8	26.6



Abundance Ion 91.00 (90.70 to 91.70): VU
Ion 92.00 (91.70 to 92.70): VU
Ion 134.00 (133.70 to 134.70): V





#85

1,2-Dichlorobenzene

Concen: 11.312 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU028676.D

Acq: 13 Dec 2018 14:09

Instrument :

MSVOA_U

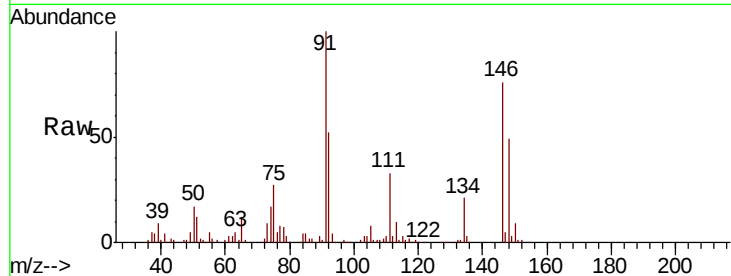
ClientSampleId :

P001-TW001-01MS

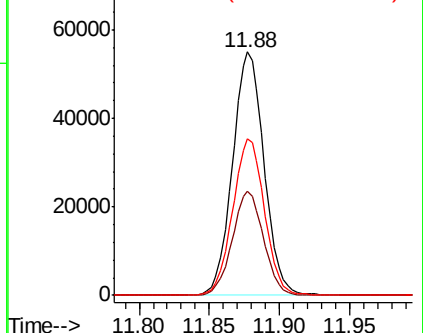
Tot Ion:	146	Resp:	86221
Ion Ratio	Lower	Upper	
146	100		
111	42.0	21.4	64.3
148	64.6	31.4	94.2

Manual Integrations
APPROVED

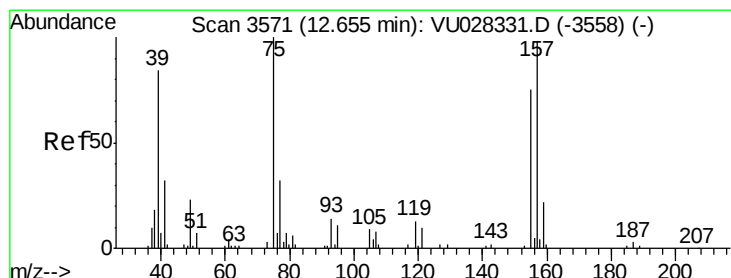
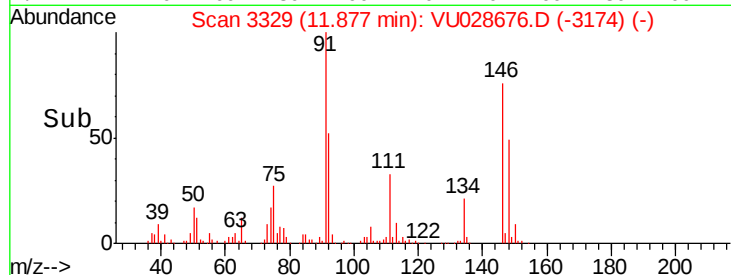
MMDadoda



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



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#86

1,2-Dibromo-3-Chloropropane

Concen: 10.695 ug/l

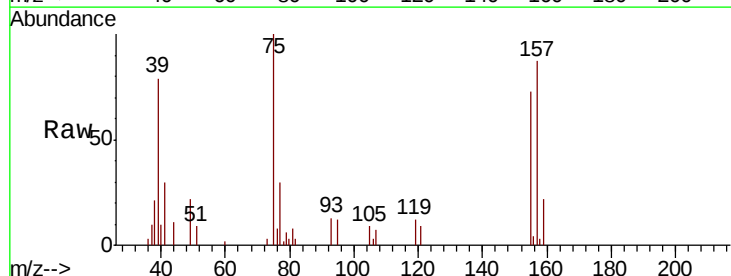
RT: 12.65 min Scan# 3570

Delta R.T. -0.00 min

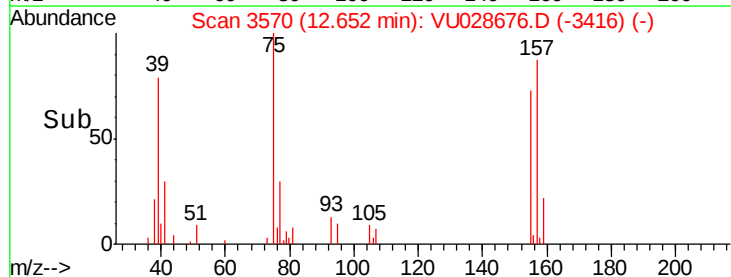
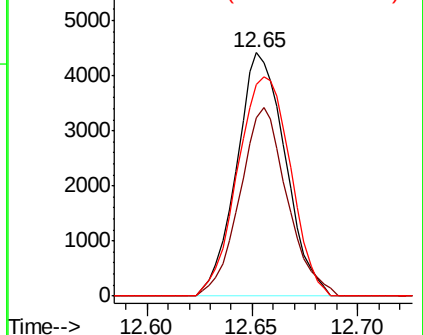
Lab File: VU028676.D

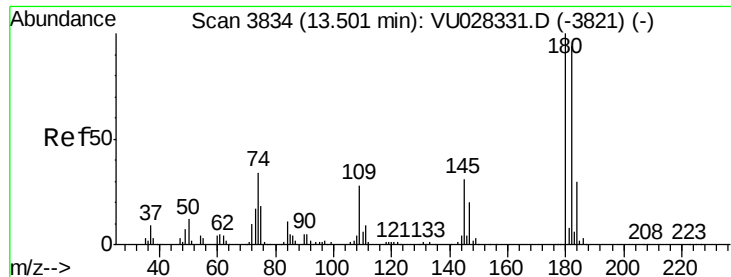
Acq: 13 Dec 2018 14:09

Tgt Ion:	75	Resp:	7105
Ion Ratio	Lower	Upper	
75	100		
155	75.0	57.0	85.4
157	97.7	75.4	113.2



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 155.00 (154.70 to 155.70): V
Ion 157.00 (156.70 to 157.70): V





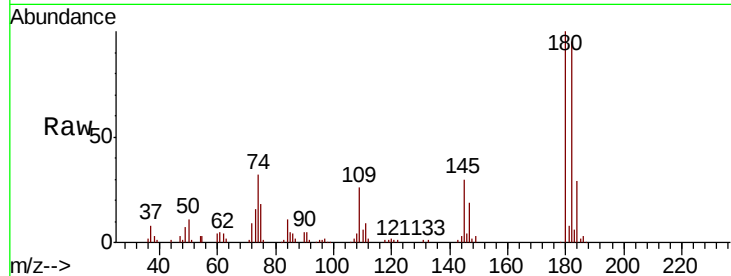
#87
 1,2,4-Trichlorobenzene
 Concen: 10.499 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028676.D
 Acq: 13 Dec 2018 14:09

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-TW001-01MS

Tot Ion:	180	Resp:	56257
Ion Ratio	Lower	Upper	
180	100		
182	95.4	75.6	113.4
145	29.7	24.4	36.6

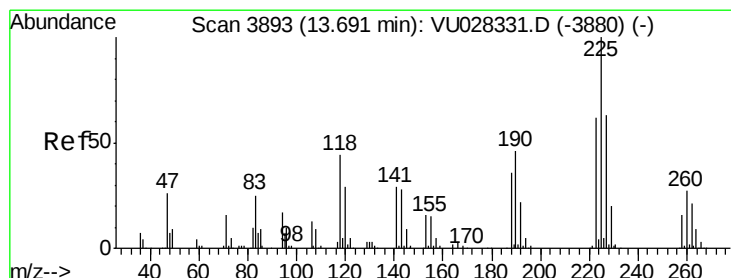
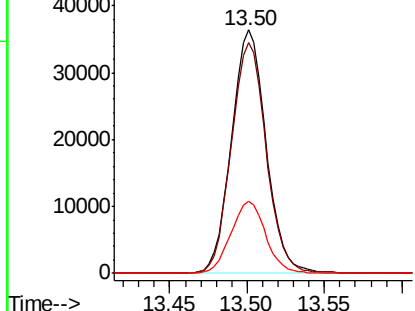
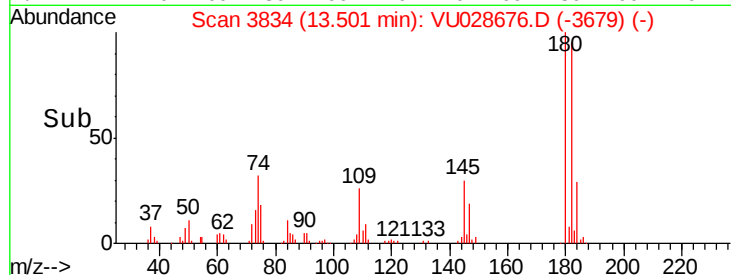
Manual Integrations
 APPROVED

MMDadoda



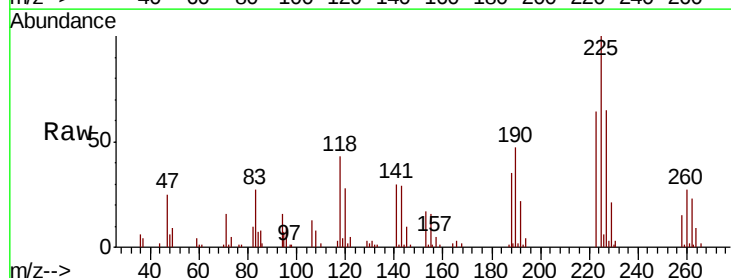
Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

12/14/2018 9:32:27 AM

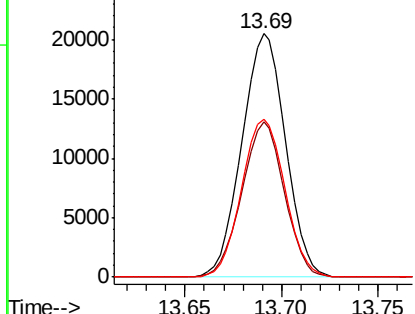
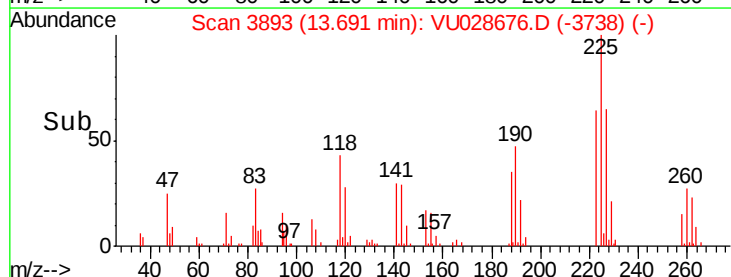


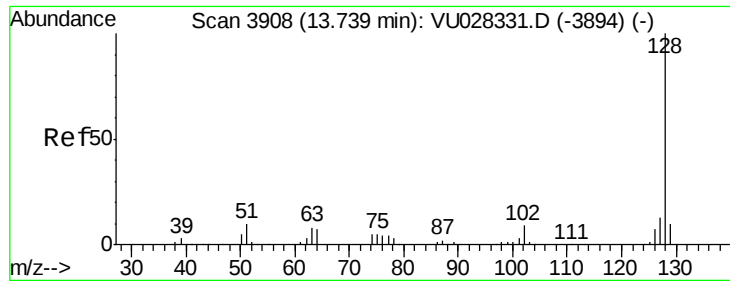
#88
 Hexachlorobutadiene
 Concen: 11.074 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028676.D
 Acq: 13 Dec 2018 14:09

Tgt Ion:	225	Resp:	32104
Ion Ratio	Lower	Upper	
225	100		
223	62.1	50.6	76.0
227	64.6	50.8	76.2



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





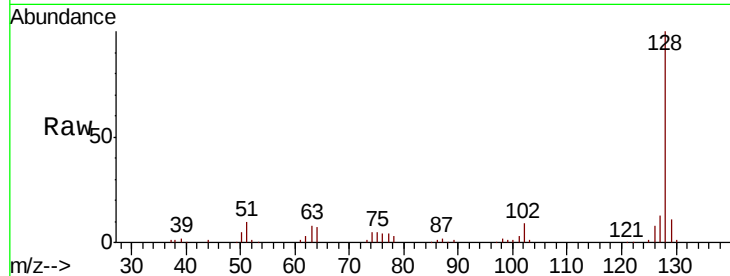
#89
Naphthalene
Concen: 10.394 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
P001-TW001-01MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	10.8	8.2	12.4

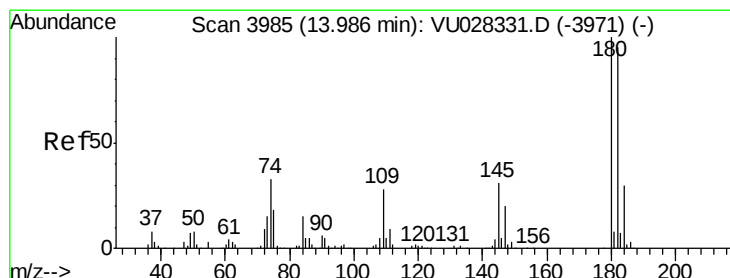
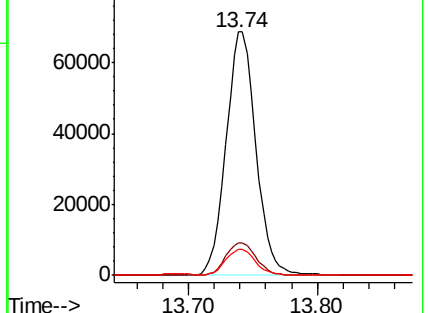
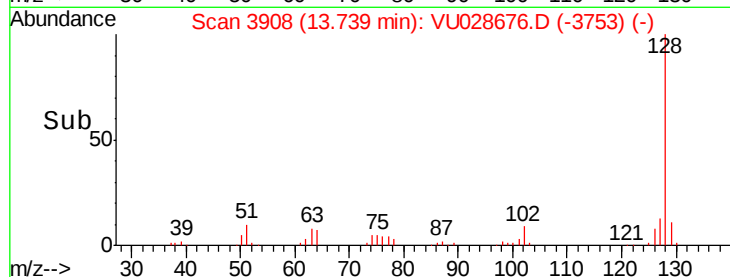
Manual Integrations
APPROVED

MMDadoda



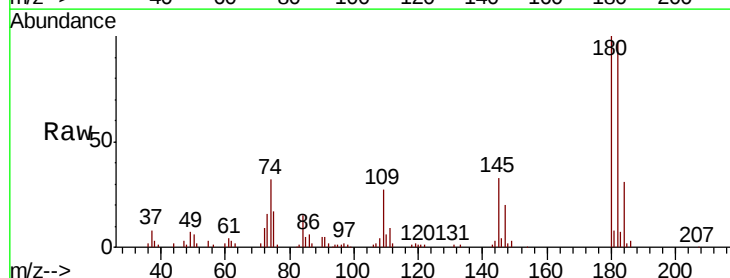
Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

12/14/2018 9:32:27 AM



#90
1,2,3-Trichlorobenzene
Concen: 10.808 ug/l
RT: 13.98 min Scan# 3984
Delta R.T. -0.00 min
Lab File: VU028676.D
Acq: 13 Dec 2018 14:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.1	114.1
145	31.8	26.0	39.0



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

